

Health & Hospitals in Italy

16th ANNUAL REPORT 2018



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This Report has been edited by **Nadio Delai**, in collaboration with Ermeneia - Studi & Strategie di Sistema in Rome and AIOP - Italian Association of Private Hospitals. To this end, a technical work group has been established made up of Angelo Cassoni, Filippo Leonardi, Annagiulia Caiazza, Alberta Sciacchi, Stefano Turchi, Fabiana Rinaldi, Peppino Biamonte, and Nadio Delai (Ermeneia).

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Note

This text is an abstract of the Report on *Ospedali & Salute*, the 16th edition of which was presented to the Senate of the Republic – Cloister of the Convent of Santa Maria Sopra Minerva – Capitolare Room on January 16th 2019.

The primary objective of AIOP (Italian Association of Private Hospitals) is to contribute to improving knowledge of the Italian health system at an international level, by providing European institutions, professionals and scholars with data and assessments which in some cases also relate to 2018.

Following the introduction written by the President of AIOP, Mrs. Barbara Cittadini, Part One of the abstract highlights major health issues which have emerged in the last year, and analyzes supply and demand issues, focusing in particular on the quality of services and on citizens' opinions, as expressed in a special survey.

Part Two provides a set of indicators regarding equipment, information on hospital activities and expenses, as well as a complete sample of data for the Italian hospital system as a whole.

Finally, details of the method used to conduct the survey of Italian families and a complete list of the contents of the 16th Report are also provided.

Presentation

by *Barbara Cittadini, National President of AIOP*

On December 23rd, 2018, the National Health Service turned 40 years old. This anniversary does not have a merely symbolic value, but should stand as a reminder to all of the civilization decision that Italy made in 1978 and that, still today, is a priceless asset to be upheld and preserved. It was a decision that rendered the principle of universal and inclusive health care factual and real: not only a factor of enlightened progress and culture, but also something that not all countries have and which, therefore, sets Italy apart in a positive manner.

Over these four decades, many realities have changed profoundly and radically, as have our needs, our way of producing wealth and well-being, and some of our societal weaknesses have also increased (the aging population, and general and specific living conditions) – see Figure 1 – in relation, above all, to the financial crisis that strongly destabilized our country.

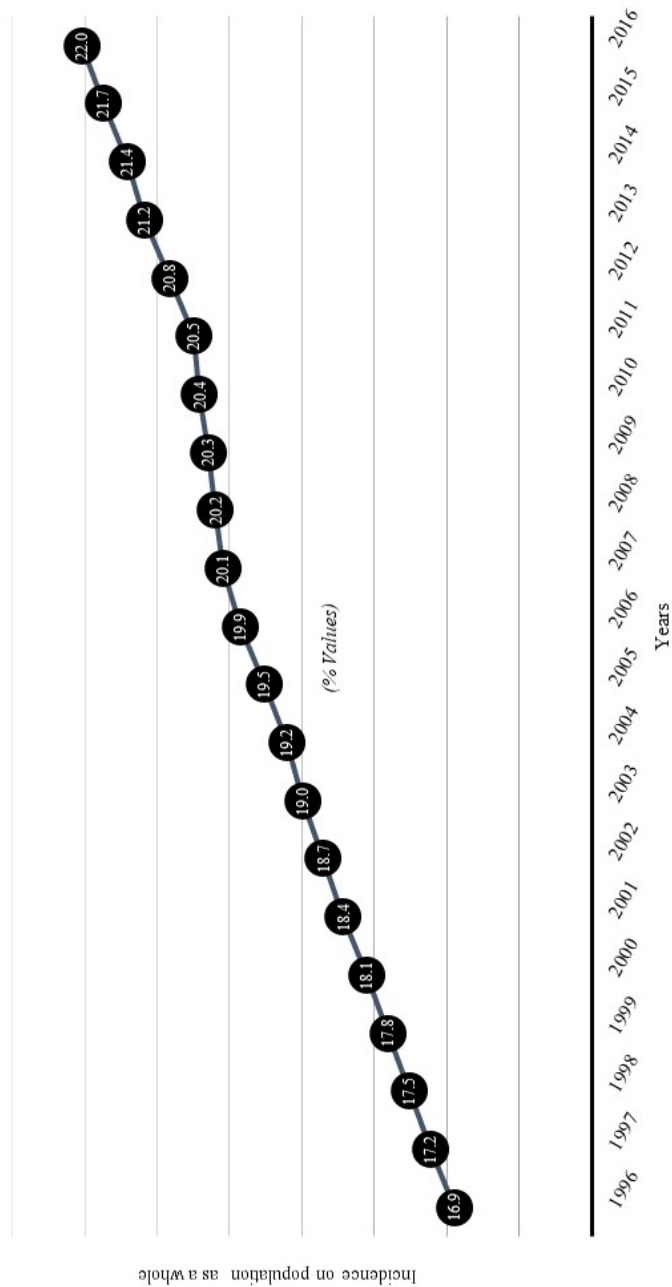
For a significant part of these four decades, AIOP offered Italians an annual opportunity to reflect on the progress of the Italian hospital system. This occurrence should be a source of pride and satisfaction for us.

In fact, since 2003, AIOP has prepared a Report, that is now in its 16th edition, and whose publication has become a regular event.

It is important to note the three reasons that inspired this initiative:

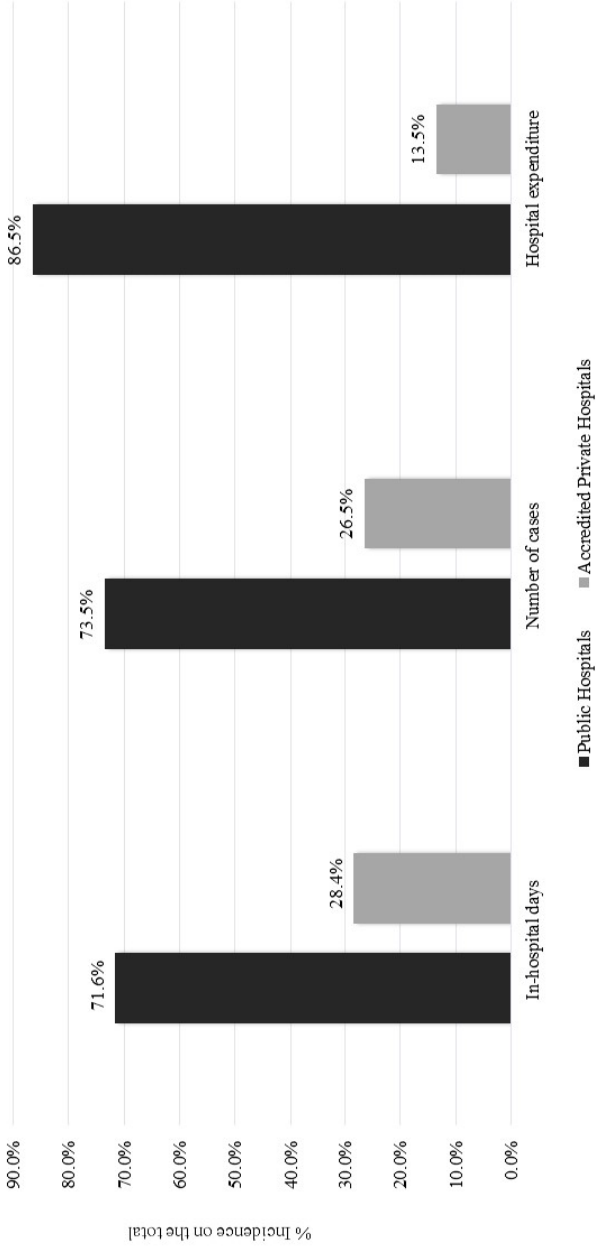
- adopting a dual-perspective method of evaluation: first of all, one devoted to citizens and users, which should represent the reference target of the NHS, and one reserved for the hospital “machine” and the relative need for its evolution/transformation;
- reaffirming the principle that the NHS has a component governed by public law and one by private law, as required by law, and that the component governed by private law plays an important role in the system: the numbers tell us that the accredited private component provides the system with 28.4% of in-hospital stays and 26.5% of the services produced, with a total impact on public hospital spending of 13.5% (see Figure 2);

Fig. 1 – Aging of Italian population with regard to over-65-year-old-people incidence on population as a whole. Years 1996-2016



Source: ISTAT – Demographic statistics. Years 1996-2016

Fig. 2 – Public-accredited private comparisons with regard to production and hospital expenditure. % Values. Year 2016



Source: processing by AIOP on data SDO from Ministry of Health and Agenas

- the decision to make an instrument (the Report, in fact) available to allow Italians to gain familiarity and understanding of their NHS, beginning with an overview of the existing hospital facilities carried out and prepared impartially by a third party, *Ermeneia* – Studi & Strategie di Sistema.

Following the changes to the NHS each year, and focusing attention on the hospital system, is an important undertaking and in fact also entails taking note of the difficulties and critical issues that exist: problems that those responsible for health care planning must analyze, study and manage.

The presentation of the 2018 Report is, therefore, also an opportunity to detect critical issues inherent to the NHS, as well as solutions that may see them resolved.

First of all, the NHS, as a whole, has – for too long – reported a tendency towards constant and worsening underfinancing in relation to the Gross Domestic Product (see Figures 3 and 4).

Presently, the financial commitment stands at 6.6% of GDP: this puts the ability to guarantee adequate services, consistent with scientific progress and with the needs of the population, at risk.

Care must be taken in this regard. We are facing a two-fold decrease: the GDP has decreased, as has the share of financial commitment to the NHS.

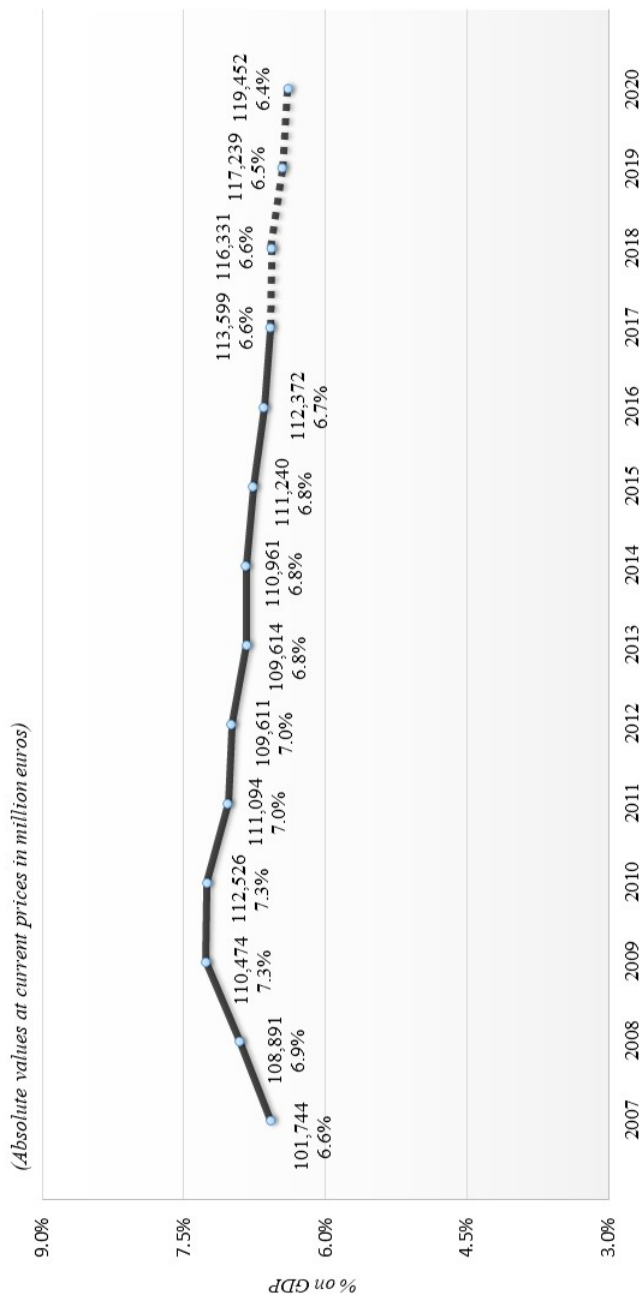
It is clear that this is not the NHS that was envisaged by the Legislators, the one the country needs and its citizens need. It is also true that, despite the “symptoms” of a system that fails to completely respond to the citizens, there are also shining examples that indicate some levels of excellence in many areas of this system.

In addition to the low level of funding allocated to the NHS out of the GDP, it should also be noted that health care policies that do not allow for investment in innovation to ensure development in the sector have been adopted, and that these are indispensable prerequisites for our System to maintain its characteristic levels of quality.

Secondly, the progressive deterioration of the services provided by the public component must be considered, which often show quantitative reductions and qualitative weakening of the services; phenomena that bring about not only inconveniences to patients and their families but also postponements or the forgoing of treatment, as well as the ever increasing out-of-pocket expenses or recourse to health mobility by accessing health care services outside of the home Region.

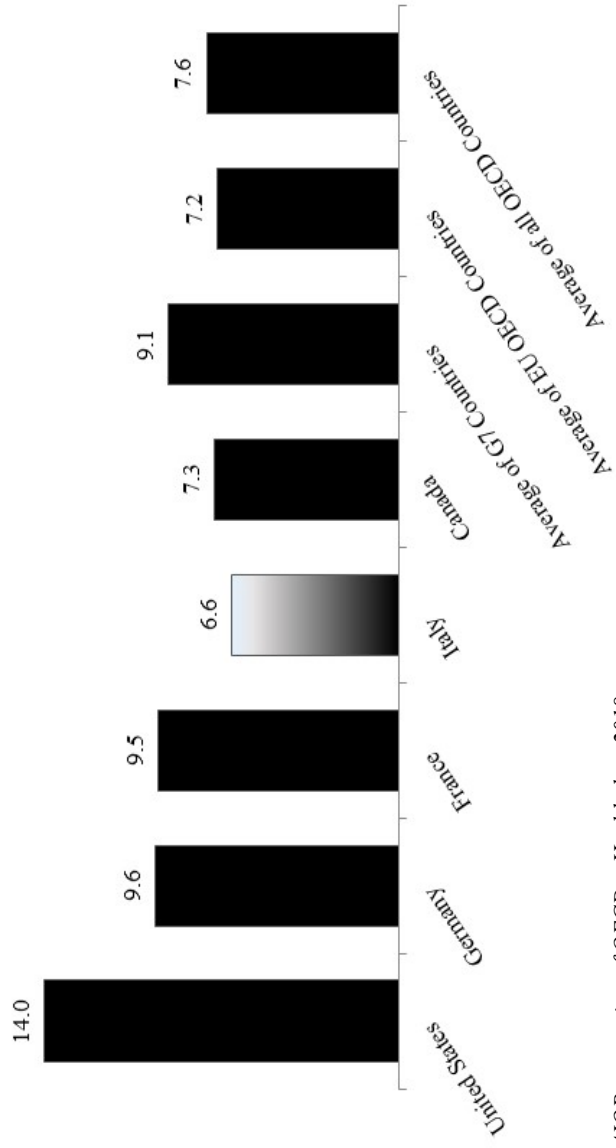
In this regard it is necessary to point out that the restoration of the freedom of choice of place of care for all illnesses and for all regions also means triggering a virtuous mechanism that, combined with a real, general application

Fig. 3 – Public healthcare expenditure (Absolute values and % on GDP). Years 2007-2020



Source: Ministry of Economy and Finance, Economic and Financial Document (Analysis and Trends of Public Finance, Years 2011-2018); Update Note to the DEF (Economic and Financial Document), September 2018

Fig. 4 – Percent of public healthcare expenditure on GDP (2017)



Source: AIOP processing of OECD – Health data 2018

of payment for service in the financing of all public and private providers, may encourage investment, virtuous competition, and the development of excellent centers and networks, contributing decisively to keep the whole NHS in line with the best European health and welfare systems.

Extremely useful to gaining a better understanding of what is happening is the evaluation recently carried out by ISTAT, which is confirmed by the data in Part Three of this Report: the forgoing of visits or specialist exams due to lengthy waiting list affects about 2 million people, while there are over 4 million people who forgo them for financial reasons.

Thirdly, we cannot fail to report the obvious differences among the services offered in the territories and within them, in which, at the same time, weaknesses and excellences coexist, though these are not always easy to see if we look only at the average statistical values.

The most evident synthesis of these critical issues is the emergence of increasingly serious and unacceptable social inequalities, which translate into obvious phenomena and that this year the Report, faithful to its original purpose mentioned above, has examined starting with two symptoms of “tension” experienced by citizens and users.

The first is that of waiting lists, a phenomenon that has during the last twelve months affected almost 4 out of 10 adults one or more times.

With respect to this critical situation, the need to increase the supply of services provided to overcome the problem of waiting lists is becoming inevitable, allowing citizens to avail themselves of the freedom of choosing the place of care and implementing provision of the new essential levels of care (LEA).

The government must be aware that the ceiling imposed by Legislative Decree 95 in 2012 must be removed, also to allow the renewal of national contracts for those workers operating in the private law component of the NHS, to ensure a service that meets the expectations of a modern and civilized country.

The second is represented by accesses to the Emergency Room, which affected almost 1/3 of the adult population. These are two key experiences, which can generate serious problems to the stability of the system, causing anxiety, fatigue, dissatisfaction and adaptive behavior (such as that of using the Emergency Room as an alternative solution).

Our Report identifies and analyzes both phenomena through three specific surveys undertaken on a sample of the population as a whole, on a sub-sample that has actually had one or more experiences with waiting lists and/or the Emergency Room, and on a specific sample of caregivers, respectively.

The 2018 Report has, however, taken into consideration the supply system analyzed under two profiles: that of the indicators relating to the services provided which show – and not as of today – an average improvement in spite of everything, despite all the internal differences to the territories mentioned above, and of the monitoring of the efficiency of the public Hospital Centers, by means of examination and making a multi-year comparison of the consistency between the items on the Hospital Centers' Financial Statements.

The conclusions of the assessment performed can only bring attention to the inspiring principles of the National Health Service. These are principles that our Association has always shared: universal and inclusive care, and the presence of a mixed public-private system that has made our health service a reference model for many countries.

The NHS is a precious resource for the country that is at risk of being lost.

It is essential that all those who have a systemic responsibility be fully aware: Government, Regions and operators at all levels. There is a need for renewed financial commitment and greater sharing of intent between the private law and the public law components of the NHS, which should work together in a more synergistic way.

Hospital centers governed by private law in the accredited system are aware of the responsibility they have in their role as members of the health service and its significance. We work – public and private – for a common goal, namely that of providing health care in universal, efficient and effective terms.

Indeed, the presence in Italy of a large network of private hospital centers is a significant opportunity for the NHS, a valuable tool to provide quality services, a reserve of operations and flexibility to the entire system. Our health care facilities rely on the professionalism of 12,000 doctors, 26,000 nurses and technicians and over 32,000 social and health workers, using less than 7% of the resources that the National Health Service assigns to hospital activity and with performance indicators that overlap those of public facilities.

But even if all this is taken into account, without the adoption of adequate health policies, the AIOP network alone – as well as all the rest of the other private operators – is not capable of ensuring the universal nature of the services. We can, however, with our ability and our flexibility, contribute to ensuring that the NHS returns to its universal principle.

We cannot, however, fail to report the phenomena of tension that exist and which encounter serious difficulties, for example, in the necessary restructuring and reorganization of public hospitals.

These have often concentrated on financial management, neglecting the quantity and quality of services offered to citizens, as has happened, in particular, though not only, in the Regions subject to debt rescheduling plans, which have wound up dealing with the containment of expenditures, but not with the requalification of services. In fact, the Regions that, due to extraordinary measures, experienced extensive downsizing of their hospitals (see Figure 5), without taking into account the effects that this choice would have, have been more impoverished from the point of view of health care, and have focused on territorial medical services that have never actually been implemented. All of this has left patients with needs that are not met by the hospital facilities, given that these have been drastically downsized. However, in Regions where, on the other hand, territorial assistance works, it is understood that this performs a noble function which is, however, not comparable to that of hospitals: the two realities are not fungible.

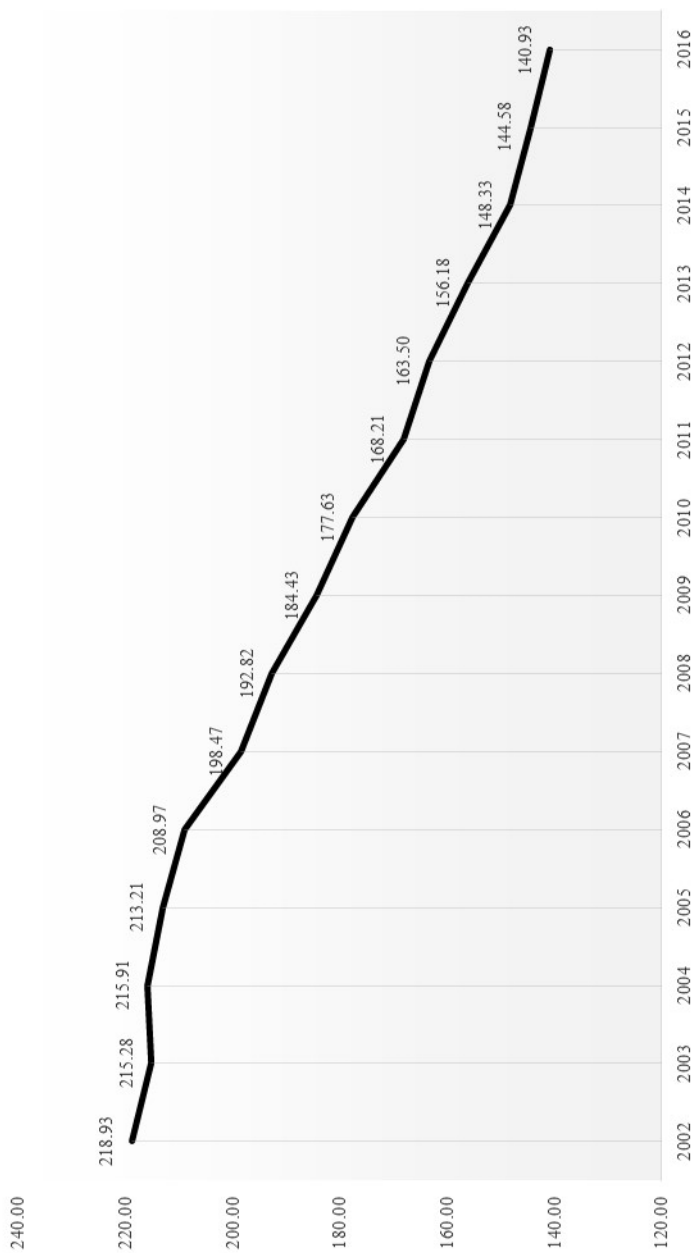
The Regions under debt rescheduling plan and/or external commissioners also witnessed an increase in passive health mobility (see Figure 6), not only because their services suffer from qualitative differences with those of the Regions not under debt rescheduling plan, but because the hospitals, to meet the needs of expenditure rationalization, have been downsized, meaning that citizens who can, go to other Regions for their care needs, or else meet their needs with their own resources or forgo care, with social costs that will burden the country in the medium to long term.

The reality of these facts, which we cannot fail to acknowledge – and that is very well described in the Report – should lead us to re-examine the conditions that inspired the birth of the National Health Service, to preserve them and reinterpret them in a situation that is incontrovertibly, but also physiologically, different from that four decades ago.

In our opinion, the System requires maintenance, which envisages putting in place the responsibilities and financial commitments of both public and accredited private hospitals, and not only because the law prescribes it, but because it is in the objective interest of the Nation to improve on both components and make use of and render efficient their respective potentials.

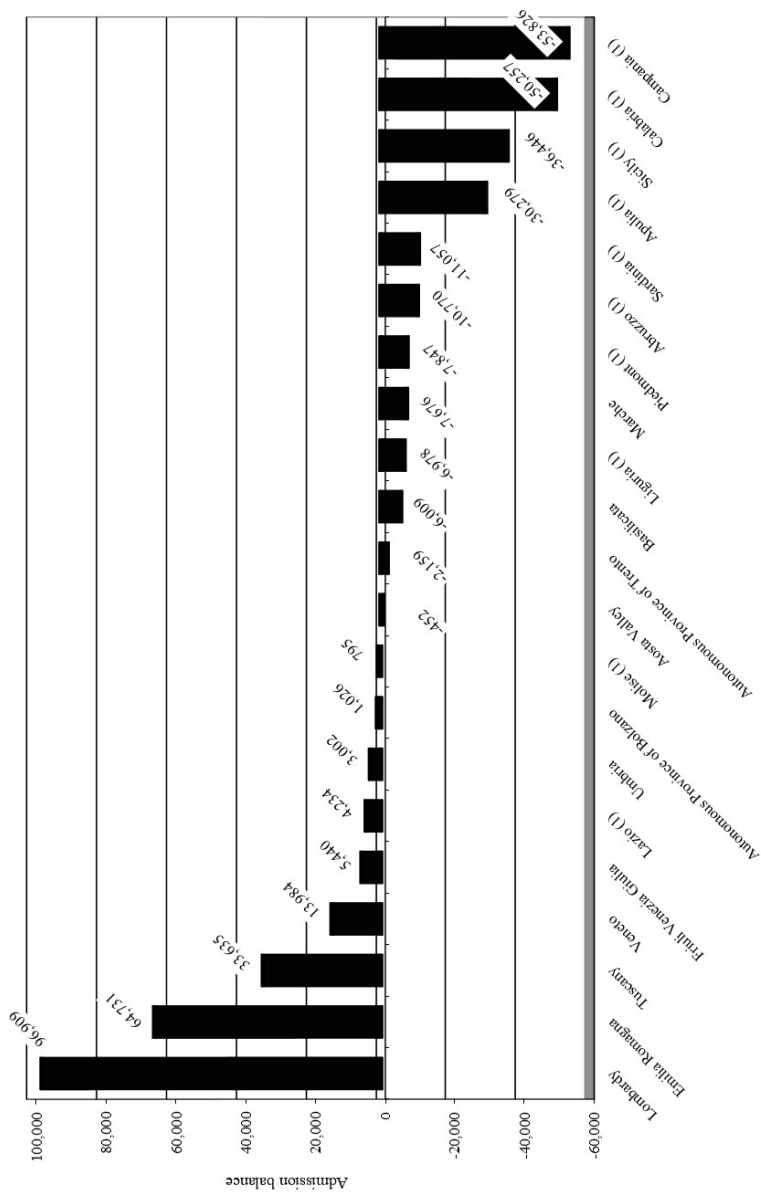
This is what the population wants when, in almost 9 cases out of 10, it is highlighted how accredited private facilities are part of the hospital system and that the choice of an in-hospital stay does not depend on the legal nature of the hospital facility, but on its capacity to provide an adequate, reliable, serious health care service that is close to the person. This offering is the product of the different capacity, demonstrated by the private component of the NHS, to react and adapt to the reduction of funding sources and the evolution of organizational models. Unlike what has been reported in the public

Fig. 5 – Time trend of overall rates of hospitalization. Years 2002-2016



Source: processing by AIOP – data from the Ministry of Health – SDO Reports. Years 2002-2016

Fig. 6 – Interregional mobility balances – Total typologies and admissions. Year 2016



(1) The Regions that are or have been subject to a debt rescheduling plan.
 Note: inpatient admissions for acute cases and DH, inpatient rehabilitation and DH, long-stay patients are included.
 Source: processing by AIOP- data from the Ministry of Health – Interregional Mobility Matrices. Year 2016

sector, we have not concentrated on reducing costs, but on rationalizing them, investing in change, making the offering more efficient, responding to new demands and care settings, and continuing to capitalize on facilities, technologies, innovative drugs and professional training.

These solutions, which made it possible to meet the expectations of citizens and thus also contribute to better performance by the NHS, were obviously made possible by the flexibility that characterizes this component of the hospital network and, are thus a direct consequence of the pluralism that thus represents a value for the whole country.

Thus, these are solutions that, from the accredited facilities, could – and indeed should – be extended to public facilities, so as to contribute to increasing the efficiency of the whole system, by transferring indicators of quality and attractiveness that, in time, become the common practice and shared standard for all operators.

In other words, enhancing both components would make it possible to improve the overall system level, adopting solutions that truly include equal treatment, equal evaluation of results, and equal operational transparency.

So, the framework described in the 2018 Report poses a single challenge to everyone, one that consists in tackling a demand for health care that is increasingly quantitative and diverse in its quality. This is a situation that must give responsibility to the duty not only of preserving our NHS, but also of creating the conditions for this to really continue to ensure an efficient, effective, timely and quality offering.

If we were to come to the bitter awareness that, in these 40 years, the contextual conditions have changed so greatly that they no longer permit the country to continue to guarantee this extraordinary achievement, because it has an unsustainable cost then, there is an obligation not only politically, but also ethically, to work without further delay and hesitation on a structural system reform, with all the effects that this will have on Italians, not only regarding health care, but socially and psychologically as well.

Deciding not to make a decision is the worst condemnation that can be inflicted on a country that is already witnessing serious, evident and eloquent symptoms of a system that, whether inevitably, efficiently or radically, needs to be reformed on the basis of a different model.

Finally, before thinking of structural changes, which require time, in the immediate future we might think about making the System more efficient by promoting some sectors and/or services that are most needed, based on epidemiological data. And for this reason, with the aim of creating real long-term efficiency for the System, AIOP proposes:

- 1) returning to the corporatization path which has never been completed, with the return to service fees for the public sector, which must make use

of effective business plans to bring the balance between costs and revenues back in line within certain definite time limits;

- 2) activation of a real “rewards and punishments” system that rewards the efforts of the better organizations and managers, and at the same time clearly penalizes dysfunctional or ineffective management;
- 3) increasing the amount of virtuous competition, opening up to real equality between providers with different legal status using a single accreditation method;
- 4) providing for third party controls to overcome the conflict of interests of a public service provider that is both a controller and a controlled entity.

The future is a choice and not a destiny. Hopefully, for once, the country will decide to make a choice. In fact, ignoring today’s problems means wasting the opportunity to be able to manage them.

As always, AIOP is willing to undertake a virtuous and synergistic discussion with health care planners, in order to identify the best possible solution taking into account the necessary resources, but also those available and, above all, the many and relevant context changes that have taken place over the past forty years. A solution that – we all agree – must have as its objective a right that, even today, is protected by our Constitution: health care.

Part One

*The underlying value of the system,
including some critical areas that need oversight*

1. Average service offerings and the signs of strain as viewed by citizens

1.1. A system seeking to ensure the best possible services

It is by now widely known that our National Health Service highlights its average performance levels in such a manner that helps it to attain a good position compared to other national health systems. The fact remains that there are weaknesses, territorial differences and diversity of services to be found among similar institutions located in the same territory alongside of nationally and internationally recognized areas of excellence.

All this has occurred amidst a process of decreasing financial and, for some years now, also professional resources (due to the retirement of operators), creating the risk of impoverishing the system and, above all, of causing differentiation within it, leading to non-homogeneous conditions for the provision of services for patients, the level of access to treatment and the quality of the same in the various territories of the country and sometimes even within the same territory.

The hospital environment in particular – and it should always be remembered – is configured as a mixed public/accredited private system that makes up the total offering at the disposal of Italian citizens. The accredited private component certainly cannot be defined as marginal if we consider that it provides 28.4% of in-hospital stays and accounts for 13.6% of the total public hospital expenditure.

However, accredited private hospitals make up a complex variety of facilities operating within this category.

First of all, its public facilities include hospital centers, hospitals directly managed by local health authorities (ASL Azienda Sanitaria Locale), and hospital centers integrated with universities; the whole of which accounts for the greater part of current state hospital expenditures (about 76%). In addition to these are other facilities, namely public university polyclinics that are

not affiliated with hospitals, public Institutes for Treatment and Research (IRCCS) and Public Foundations, USL Facilities and Research agencies, which together account for another 10% of current public hospital expenditures.

The above facilities are augmented by accredited healthcare facilities, private university polyclinics, private IRCCS and religiously-affiliated classified hospitals. These make up the remaining 14% of the current National Health System hospital expenditures.

In 2016 (latest available data), there were a total of 192,992 patient beds, 69.8% (134,686 units) of which were located in public hospitals and 30.2% (58,306 units) of which were located in accredited private hospitals (fig. 1). Comparing the two groups of patient beds provides an understanding of how the system effectively embodies all the features of a mixed organization that is predominantly public but also has a quite large private component, as was recognized by Legislative Decree 502/1992.

Public and accredited private hospital facilities total 1,034 (2016), with the latter being greater in number (55.6%) than the former (44.4%). Public hospitals are slightly more concentrated in the Center-North (53.1%), while accredited private hospitals are found more in the Center-South (58.1%), as shown in the second part of Figure 1.

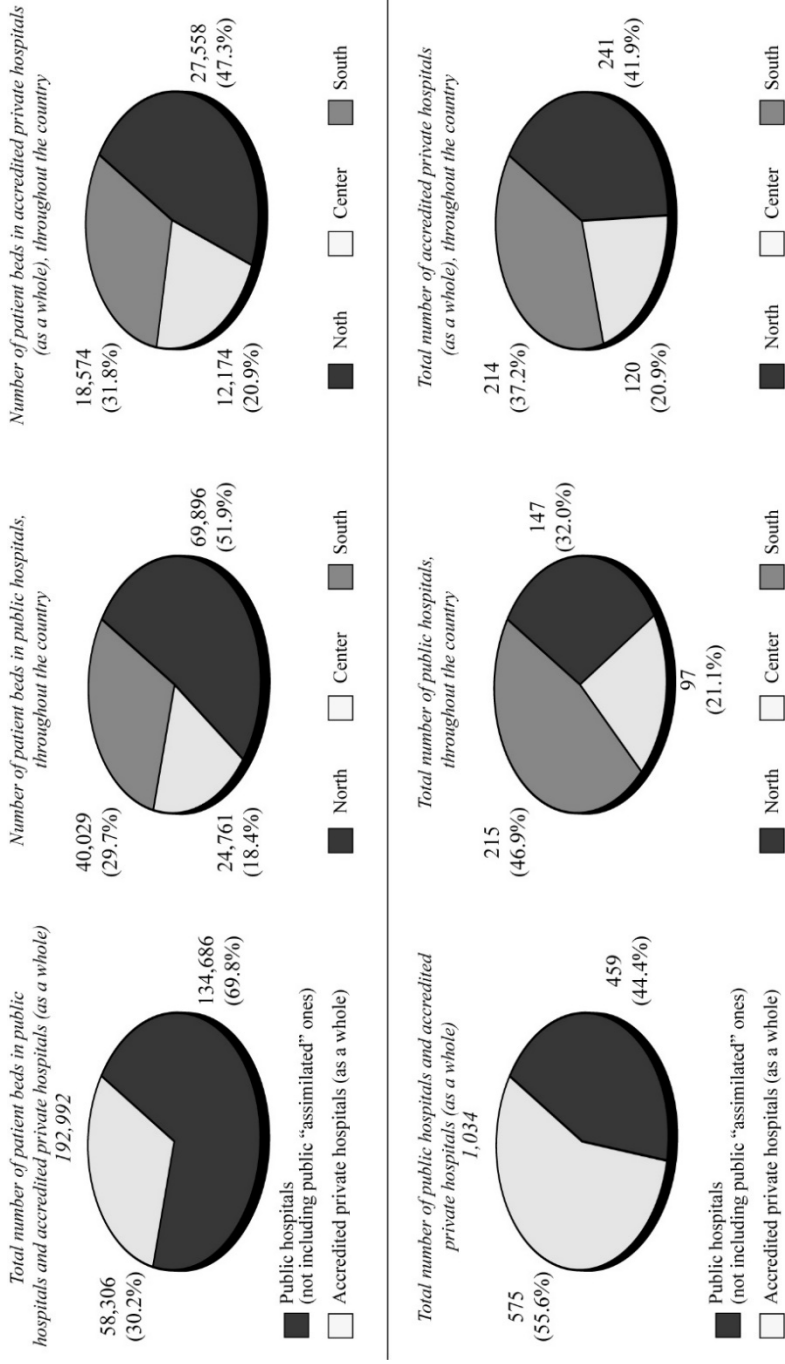
But the comparison between the number of hospitals and the number of patient beds (again in 2016) leads to more detailed information as shown in the chart below, with the average number of patient beds in public hospitals decreasing from North Italy (475), to Central Italy (255), and finally in South Italy (186). This phenomenon is also true for accredited private hospitals, which however have a lower average number of patient beds than that of public hospitals.

| <i>Geographical distributions</i> | <i>Public hospitals</i> | | | <i>Accredited private hospitals</i> | | |
|-----------------------------------|-------------------------|----------------------------|-------------------------|-------------------------------------|----------------------------|-------------------------|
| | <i>No. of hospitals</i> | <i>No. of patient beds</i> | <i>Patient beds</i> | <i>No. of hospitals</i> | <i>No. of patient beds</i> | <i>Patient beds</i> |
| | | | <i>No. of hospitals</i> | | | <i>No. of hospitals</i> |
| North | 147 | 69,896 | 475 | 241 | 27,558 | 114 |
| Center | 97 | 24,761 | 255 | 120 | 12,174 | 101 |
| South | 215 | 40,029 | 186 | 214 | 18,574 | 87 |
| Total | 459 | 134,686 | 293 | 575 | 58,306 | 101 |

Figure 2 depicts aspects relating to in-hospital stay flows and spending flows for the year 2016 (latest available data).

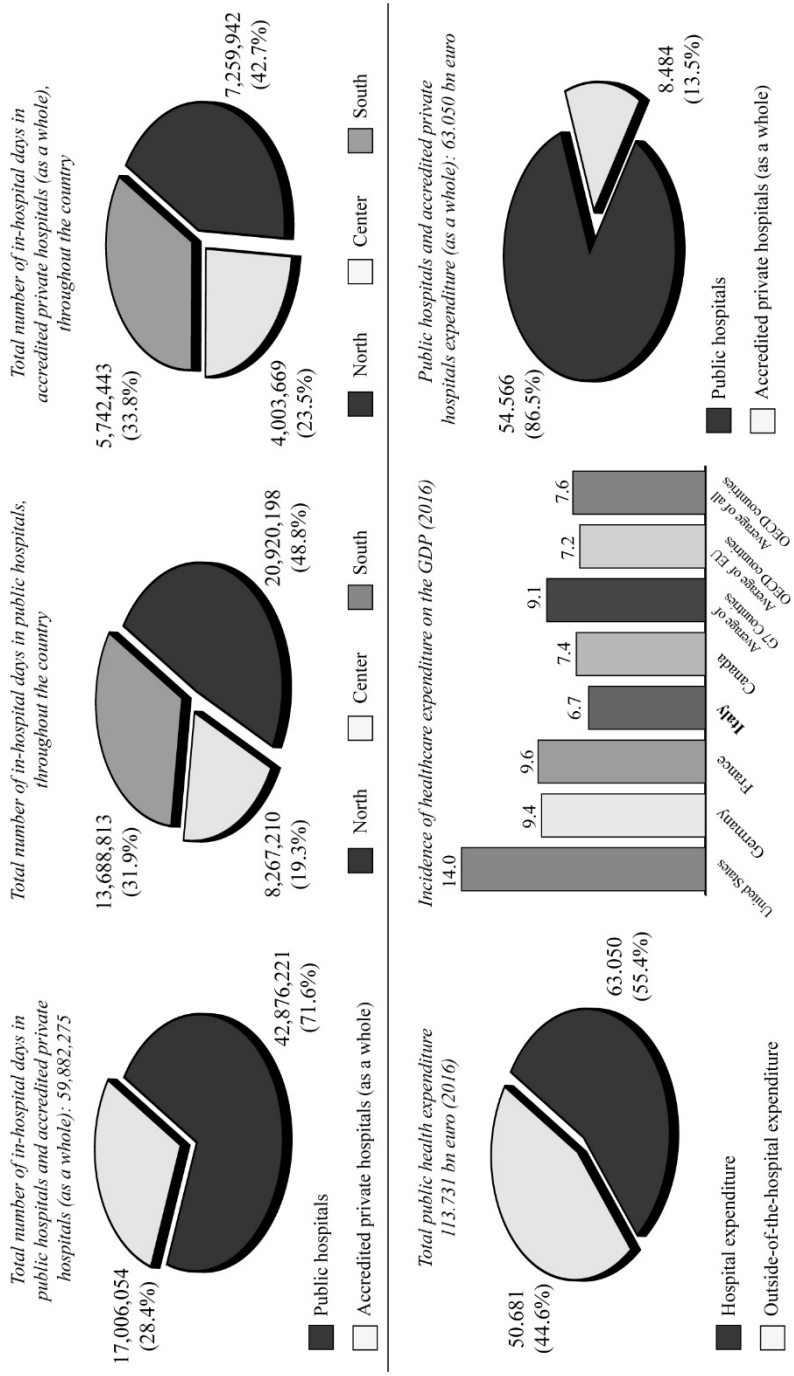
In-hospital days were 59.9 million for the year 2016 compared to 61.2 in 2015, 61.8 in 2014, 62.9 in 2013, 65.2 in 2012, and 67.9 in 2011: which represents an overall decrease of 11.8% over the period from 2011 to 2016.

Fig. 1 – Executive summary of the aggregates of the Italian hospital system: patient beds and institutions (2016)



Source: data processed by *Ermeneia – Studi & Strategie di Sistema, 2018*

Fig. 2 – Executive summary of the aggregates of the Italian hospital system: in-hospital days and expenses (2016)



Source: data processed by Ermeneita – Studi & Strategie di Sistema, 2018

Again, in 2016 71.6% of these days were in public hospitals and the remaining 28.4% were in accredited private hospitals as a whole.

The geographical distribution of in-hospital days, based on the type of facility, is the following:

| <i>Geographical distributions</i> | <i>No. of in-hospital days in public hospitals</i> | | | | | |
|-----------------------------------|--|-------------|-------------|--------------|-------------|-------------|
| | <i>In millions</i> | | | <i>% Val</i> | | |
| | <i>2014</i> | <i>2015</i> | <i>2016</i> | <i>2014</i> | <i>2015</i> | <i>2016</i> |
| North | 23.2 | 22.5 | 20.9 | 52.3 | 51.4 | 48.8 |
| Center | 8.0 | 8.2 | 8.3 | 18.0 | 18.7 | 19.3 |
| South | 13.2 | 13.1 | 13.7 | 29.7 | 29.9 | 31.9 |
| Total | 44.4 | 43.8 | 42.9 | 100.0 | 100.0 | 100.0 |

| <i>Geographical distributions</i> | <i>No. of in-hospital days in accredited private hospitals</i> | | | | | |
|-----------------------------------|--|-------------|-------------|--------------|-------------|-------------|
| | <i>In millions</i> | | | <i>% Val</i> | | |
| | <i>2014</i> | <i>2015</i> | <i>2016</i> | <i>2014</i> | <i>2015</i> | <i>2016</i> |
| North | 8.1 | 8.3 | 7.3 | 46.6 | 47.7 | 42.7 |
| Center | 4.0 | 4.0 | 4.0 | 22.9 | 23.0 | 23.5 |
| South | 5.3 | 5.1 | 5.7 | 30.5 | 29.3 | 33.8 |
| Total | 17.4 | 17.4 | 17.0 | 100.0 | 100.0 | 100.0 |

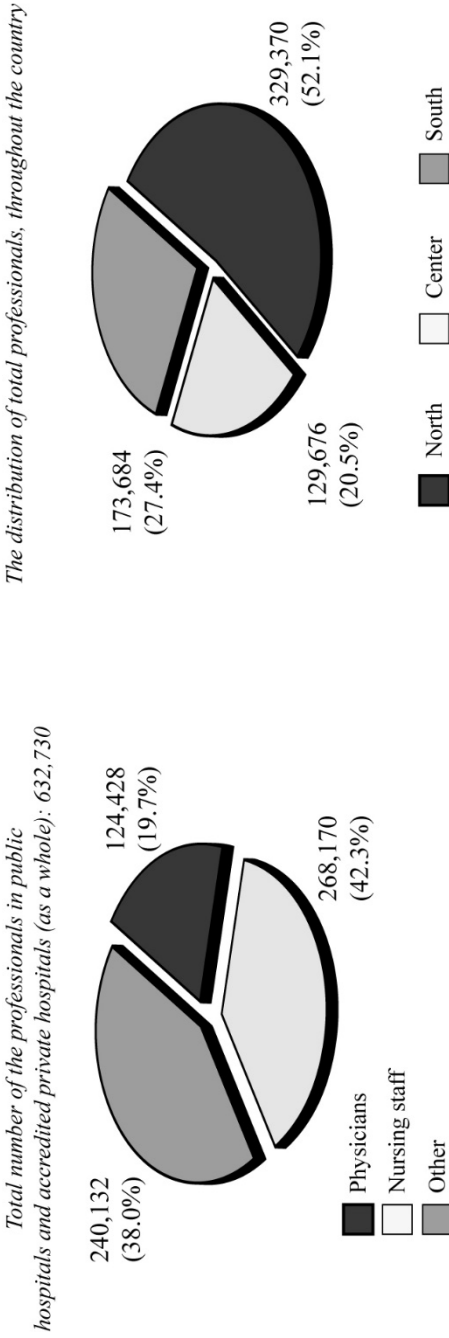
As we can see over the last three years, the in-hospital stays in the North have tended to decrease, while they are increasing in Central and South Italy.

If we look instead to the flow of resources (see the second part of Figure 2) it is possible to advance the following considerations:

- a) the division of total public health expenditure (113.731 billion euros in 2016) proves – as usual – to be more focused on the hospital component (55.4%) than outside the hospital (44.6%). The incidence of public health expenditure on the total (based on estimates) would thus be greater in 2016 compared to the past, given that it was 54.5% in 2011, 54.3% in 2012, down to 54.2% in 2013, then returning to 54.3% in 2014, and finally arriving at 55.4% in 2016;
- b) the percent of public health expenditure to the national GDP places Italy in the lowest position (6.7% in 2016) compared to the average of the G7 countries (9.1%), the average of European OECD countries (7.2%) and the total of OECD countries (7.6%). But we should also mention that our country remains 2.7 points below the incidence of public health spending to GDP in Germany and 2.9 points that of France. It should also be noted that, compared to the previous year, Italy still remains at 6.7% of GDP compared to 6.8% in the four-year period 2011-2014, with a decrease from the 7.2% in 2010. And all this happened in the presence of a simultaneous drop in GDP during the crisis period, until 2013.

This shows how Italy invests much less public resources than the other partners in the OECD area (both by percentage and in absolute terms,

Fig. 3 – Summary of the aggregates of the Italian hospital system: total employees (2013)



Source: data processed by Ermeneia – Studi & Strategie di Sistema, 2018

according to the level of GDP), yet retaining a universal and inclusive system albeit one in progressive deterioration;

- c) the total public hospital expenditure (63.050 billion euros in 2016) breaks down to 86.5% for public institutions and 13.5% for the accredited private sector as a whole: these shares were 14.4% in 2011, down to 13.6% in 2013, and they increased to 13.8% in 2014, and subsequently reduced to 13.6% in 2015, and then to 13.5% in 2016, with a declining trend in the accredited component compared to the public component. It should be added that if private hospitals (accredited healthcare facilities) are taken into consideration, the relative expenditure out of the total public hospital expenditure has in turn continuously decreased: it went from 7.3% in 2010-2011 to 7.2 % in 2012, to 7.0% in 2013 and 2014, and to 6.9% in 2015 and 2016.

It is worth recalling, starting from this last observation, that if we compare the incidence of spending on accredited private facilities as a whole, equal to 13.5% of the total public hospital expenditure in 2016, with the incidence of in-hospital stays out of the total provided in the same year (28.4%), we can only observe a situation in which the overall accredited component of the current mixed hospital system plays a more than significant role: in fact it offers, proportionally, double the amount of in-hospital stays with less than half of the related expenses accounted for, due obviously to more efficient management (and with decreasing costs for the State over time).

Finally, Figure 3 provides an overall idea of all the human resources that conduct their activities within the mixed hospital system. In 2013 there were 632,730 units (latest available data), showing a -2.1% reduction compared to the year 2010. Of this, 19.7% is made up of physicians (124,428 units), 42.3% is made up of nursing staff (268,170 units) and finally, 38.0% comprises the remaining personnel (240,132 units).

The distribution of personnel throughout the country shows the weight of hospital activities in the Central-North, corresponding to 72.6% of professional resources employed (52.1% in the North + 20.5% in Central Italy), to which the South is added with 27.4% of the total.

1.2. The tendency of the indicators of the services provided to increase

It has been mentioned how the National Health Service is characterized by average performance levels that help it to maintain a good position compared to other national health systems. And this is true despite the differences

in facilities and territories as was described in the previous section. Public hospitals and accredited private hospitals are thus able to provide services that are of a good standard, although with differences depending on whether these facilities are in the North, Center, or South of Italy, or are represented by different hospitals within the individual Regions.

To measure the average performance levels of hospital services, two fundamental indicators can be used, and have been calculated for this Report: that of *average weight* and that of *case-mix*.

If we consider the average weight¹ we can compare the services of public institutions to those of AIOP accredited private hospitals, which shows that (Table 1):

- a) the national average indicator of public institutions and accredited private hospitals steadily increased over the period from 2013 onwards: for public institutions it went from 1.19 in 2013 to 1.23 in 2016 and for the latter group from 1.29 to 1.35 in the same period. But we must also add that, since 2017 data is available for AIOP accredited private hospitals, there was a net recovery of the average weight indicator, that went from 1.35 in 2016 to 1.36 in 2017;
- b) it should also be noted that the indicator appears to get better, year by year, when it refers to AIOP accredited healthcare facilities compared to public hospitals (with an acceleration since 2015 onwards). This confirms that the highest level of complexity does not necessarily belong to public hospitals, since there are also accredited private facilities equally or even – qualitatively speaking – more sophisticated than the public ones;

¹ The *average weight* is a synthetic indicator of the level of complexity of the illnesses (cases) treated. It is an average of the relative weights assigned to each group of patients (DRG), weighted with the corresponding discharge numbers. The calculation formula used is the following:

$$\text{Average weight} = \frac{\left[\sum_{g=1}^{579} (a_g N_{gh}) \right]}{\sum_{g=1}^{579} N_{gh}}$$

where: a_g = specific relative weight of each DRG;

N_{gh} = number of discharged patients for the DRG in a single healthcare facility or in a group of facilities.

Table 1 – The quality of services measured by average weight, 2013-2017

| Regions | Public institutions | | | | | AIOP Private hospitals (accredited healthcare facilities) | | | | |
|-------------------------|---------------------|------|------|------|------|---|------|------|------|------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 |
| - Piedmont | 1.29 | 1.29 | 1.30 | 1.30 | 1.30 | 1.58 | 1.61 | 1.65 | 1.64 | 1.70 |
| - Lombardy | 1.18 | 1.19 | 1.21 | 1.21 | 1.21 | 1.47 | 1.49 | 1.55 | 1.55 | 1.59 |
| - A.P. of Bolzano | 1.09 | 1.09 | 1.10 | 1.12 | 1.12 | 0.86 | 0.80 | 0.78 | 0.78 | 0.82 |
| - A.P. of Trento | 1.19 | 1.18 | 1.19 | 1.19 | 1.19 | 0.99 | 0.97 | 0.97 | 1.02 | 1.09 |
| - Veneto ^(a) | 1.21 | 1.23 | 1.26 | 1.28 | 1.28 | 1.35 | 1.37 | 1.42 | 1.44 | 1.45 |
| - Friuli Venezia Giulia | 1.23 | 1.25 | 1.26 | 1.26 | 1.26 | 1.21 | 1.26 | 1.30 | 1.27 | 1.28 |
| - Liguria | 1.25 | 1.26 | 1.27 | 1.27 | 1.27 | 2.60 | 2.64 | 2.80 | 2.82 | 2.87 |
| - Emilia Romagna | 1.21 | 1.22 | 1.22 | 1.23 | 1.23 | 1.34 | 1.33 | 1.34 | 1.36 | 1.36 |
| - Tuscany | 1.30 | 1.31 | 1.34 | 1.35 | 1.35 | 1.56 | 1.59 | 1.69 | 1.71 | 1.71 |
| - Umbria | 1.19 | 1.20 | 1.21 | 1.24 | 1.24 | 1.18 | 1.30 | 1.43 | 1.61 | 1.63 |
| - Marche | 1.24 | 1.24 | 1.24 | 1.26 | 1.26 | 1.26 | 1.26 | 1.30 | 1.28 | 1.23 |
| - Lazio | 1.21 | 1.22 | 1.23 | 1.26 | 1.26 | 1.10 | 1.11 | 1.19 | 1.32 | 1.30 |
| - Abruzzo | 1.14 | 1.15 | 1.18 | 1.21 | 1.21 | 1.29 | 1.28 | 1.29 | 1.31 | 1.32 |
| - Molise | 1.03 | 1.04 | 1.05 | 1.10 | 1.10 | 1.13 | 1.32 | 1.19 | 1.47 | 1.46 |
| - Campania | 1.17 | 1.17 | 1.18 | 1.19 | 1.19 | 1.04 | 1.02 | 1.05 | 1.07 | 1.13 |
| - Apulia | 1.06 | 1.08 | 1.09 | 1.11 | 1.11 | 1.54 | 1.44 | 1.50 | 1.50 | 1.45 |
| - Basilicata | 1.22 | 1.20 | 1.22 | 1.23 | 1.23 | - | - | - | - | - |
| - Calabria | 1.05 | 1.07 | 1.09 | 1.12 | 1.12 | 1.31 | 1.26 | 1.42 | 1.44 | 1.51 |
| - Sicily | 1.15 | 1.15 | 1.16 | 1.18 | 1.18 | 1.20 | 1.16 | 1.12 | 1.19 | 1.05 |
| - Sardinia | 1.09 | 1.11 | 1.13 | 1.14 | 1.14 | 0.85 | 0.86 | 0.88 | 1.19 | 1.24 |
| - Italy | 1.19 | 1.20 | 1.21 | 1.23 | 1.23 | 1.29 | 1.28 | 1.32 | 1.35 | 1.36 |

All indicator values are aligned to CMS DRG version 24.0 used by the Ministry of Health since 2009. This version consists of 538 DRGs and refers to the 2007 International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for the classification of diseases, injuries, surgeries, diagnostic and therapeutic procedures.

(a) The public institutions in Veneto also include 4 private hospitals (accredited healthcare facilities) associated with AIOP and under the control of USL facilities.

(b) The high average weight is due to the presence of two accredited healthcare facilities, largely devoted to extremely specialized treatment.

Source: data processed by *Ermeneta – Studi & Strategie di Sistema* based on the *Ministry of Health and AIOP data*

- c) then, if we look at the 2016 indicators Region by Region, we can see that the entities that manage to find a place in the public sector above the national average (*Average weight*: 1.23) are, in descending order:
- Tuscany (1.35);
 - Piedmont (1.30);
 - Veneto (1.28);
 - Liguria (1.27);
 - Friuli Venezia Giulia, Marche, and Lazio (1,26);
 - and Umbria (1.24).

We can also see that the *Average weight* indicators of all the southern regions are quite different from the national average of 1.23, except Basilicata (perfectly in line with the average of 1.23) and Abruzzo (1.21). Likewise, the *Average weight* index exceeds the national average of 1.35 in 2016, for accredited hospitals in the following regions, again in descending order:

- Liguria (2.82);
- Tuscany (1.71);
- Piedmont (1.64);
- Umbria (1.61);
- Lombardy (1.55);
- Apulia (1.50);
- Molise (1.47);
- Veneto, but even Calabria (1.44);
- and Emilia Romagna (1.36).

So in 10 Regions the national average of the *Average weight* indicator is exceeded by accredited facilities and in 8 Regions by the public facilities. And in as many as 5 regions (Piedmont, Veneto, Liguria, Tuscany and Umbria) the relevant national average is exceeded both in public facilities and accredited ones: confirming the fact that a good territorial setting is capable of generating more overall quality in both types of facilities. Finally, in 2016 the *Average weight* indicator is generally lower in southern regions both in public (except Basilicata) and in accredited private sectors (with the exception of Molise, Apulia and Calabria);

- d) furthermore, in almost all regions the *Average weight* indicator for the year 2016 is higher for accredited private hospitals than for public hospitals, except in the case of the two autonomous provinces of Trento and Bolzano (where the private sector is, however, marginal), as well as in Molise;
- e) and finally, regarding AIOP accredited private hospitals, it can also be added that in 2017 the *Average weight* value increased further to 1.36

compared to 1.35 for 2016. And this applies to almost all the Central-Northern Regions, except for Emilia-Romagna and Tuscany, which maintained a value identical to that of the previous year, while there was a decrease for the Marche and Lazio Regions. In the South of Italy, the *Average weight* value increased slightly for Abruzzo (1.32 compared to 1.31), and for Campania (1.13 compared to 1.07), and decreased slightly for Molise and Apulia.

At this point, the level of complexity of services can also be measured by the second type of indicator – as previously mentioned – that of the so-called *Case mix*². The values in Table 2 permit the following considerations to be made:

- a) both types of facilities have witnessed stabilization of this indicator value: the indicator remained at 0.98 in 2016 and had been the same over the previous three years for public institutions, whereas for AIOP accredited private hospitals, after an increase in 2013 (1.07) and in 2015 (1.09), it dropped slightly in the last year to 1.08;
- b) the national case-mix indicator for accredited private hospitals appears permanently higher than that of the public institutions in all cases, as can be seen by comparing the data of the last line in Table 2;
- c) the regional health authorities that exceed the national average (0.98 in 2016) with respect to public institutions are (in descending order):

² The case-mix index constitutes a second synthetic (more detailed) indicator of the complexity level of illnesses treated. It expresses the complexity of the cases treated by a department, a hospital or a unit, compared to the complexity of the case for the entire regional or national hospital system. Case mix levels greater than 1 are associated with a complexity higher than the average for the system in question. The calculation formula used is the following:

$$\text{Case-mix index} = \frac{\left[\sum_{g=1}^{579} (a_g N_{gh}) \right] : \sum_{g=1}^{579} N_{gh}}{\left[\sum_{g=1}^{579} (a_g N_{gr}) \right] : \sum_{g=1}^{579} N_{gr}}$$

where: a_g = specific relative weight of each DRG;

N_{gh} = number of discharged patients for the DRG in a single healthcare facility or in a group of facilities;

N_{gr} = number of discharged patients for the DRG for the system in question (e.g. regional, national total).

Please note that the case-mix index is weighted with the complexity of cases of the entire regional hospital system, whereas the average weight index is weighted only with the number of discharges: consequently, the average weight index ends up reducing the variable scope of the indicator itself which must take account of the context.

- Tuscany (1.08);
- Piedmont (1.04);
- Veneto and Liguria (1.02);
- Friuli Venezia Giulia (1.01);
- Marche and Lazio (1.00);
- and Umbria (0.99).

The same process, applied to AIOP accredited private hospitals (again for the year 2016) sees an average national case-mix of 1.08, while the regions that exceed this value are, in descending order:

- Liguria (2.25);
- Tuscany (1.36);
- Piedmont (1.31);
- Umbria (1.29);
- Lombardy (1.24);
- Apulia (1.19);
- Molise (1.18);
- Veneto and Calabria (1.15);
- and Emilia Romagna (1.09);

- d) a *case-mix* index higher than the national average is mostly found in the Central-Northern regions compared to those in South Italy for public institutions. This also applies to accredited private hospitals, which however have an indicator higher than the national average even in three regions of the South (Molise, Apulia and Calabria);
- e) and finally, for the year 2016, the comparison between the case-mix index of public institutions and that of AIOP accredited private institutions almost always shows a better position for AIOP facilities, except in the case of the two Autonomous Provinces of Trento and Bolzano (as previously mentioned, the presence of these entities is however, marginal), and Campania. While for Friuli Venezia Giulia the *case-mix* index is the same (1.01).

In any case, in addition to the indicators mentioned, other indicators can be used to measure the level of complexity of services provided by the different types of hospitals but with reference to some specific services. Table 3 indicates 16 highly specialized DRGs and their incidence per 1,000 discharged patients in the two types of hospital facilities considered. From this comparison the following can be noted:

- a) an average incidence that continues to increase for public institutions between 2014 and 2016 (from 22.7 to 26.5‰) and a parallel increase for AIOP accredited private hospitals between 2014 and 2015 (from 28.1 to 30.9‰), followed by a decrease in 2016 (27.8‰);

Table 2 – Comparison of AIOIP public institutions and private hospitals (accredited healthcare facilities), based on the “case-mix” of the services provided. 2013-2016

| Regions | Public institutions | | | | | AIOIP Private hospitals (accredited healthcare facilities) | | | | |
|--------------------------|---------------------|------|------|------|------|--|------|------|------|------|
| | 2013 | 2014 | 2015 | 2016 | 2016 | 2013 | 2014 | 2015 | 2016 | 2016 |
| – Piedmont | 1.07 | 1.05 | 1.05 | 1.04 | 1.04 | 1.31 | 1.32 | 1.35 | 1.31 | 1.31 |
| – Lombardy | 0.98 | 0.98 | 0.97 | 0.96 | 0.96 | 1.24 | 1.24 | 1.27 | 1.24 | 1.24 |
| – A.P. of Bolzano | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.71 | 0.65 | 0.64 | 0.63 | 0.63 |
| – A.P. of Trento | 0.99 | 0.97 | 0.96 | 0.95 | 0.95 | 0.82 | 0.80 | 0.79 | 0.81 | 0.81 |
| – Veneto ^(a) | 1.00 | 1.00 | 1.02 | 1.02 | 1.02 | 1.12 | 1.12 | 1.16 | 1.15 | 1.15 |
| – Friuli Venezia Giulia | 1.02 | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 | 1.04 | 1.06 | 1.01 | 1.01 |
| – Liguria ^(b) | 1.03 | 1.03 | 1.02 | 1.02 | 1.02 | 2.15 | 2.16 | 2.30 | 2.25 | 2.25 |
| – Emilia Romagna | 1.00 | 1.00 | 0.99 | 0.98 | 0.98 | 1.11 | 1.09 | 1.10 | 1.10 | 1.09 |
| – Tuscany | 1.07 | 1.08 | 1.08 | 1.08 | 1.08 | 1.29 | 1.30 | 1.38 | 1.36 | 1.36 |
| – Umbria | 0.99 | 0.98 | 0.98 | 0.99 | 0.99 | 0.98 | 1.06 | 1.17 | 1.29 | 1.29 |
| – Marche | 1.02 | 1.02 | 1.00 | 1.00 | 1.00 | 1.04 | 1.03 | 1.07 | 1.02 | 1.02 |
| – Lazio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.91 | 0.91 | 0.98 | 1.05 | 1.05 |
| – Abruzzo | 0.94 | 0.95 | 0.96 | 0.97 | 0.97 | 1.07 | 1.05 | 1.06 | 1.04 | 1.04 |
| – Molise | 0.85 | 0.85 | 0.85 | 0.87 | 0.87 | 0.93 | 1.08 | 0.98 | 1.18 | 1.18 |
| – Campania | 0.97 | 0.96 | 0.95 | 0.95 | 0.95 | 0.86 | 0.84 | 0.86 | 0.85 | 0.85 |
| – Apulia | 0.88 | 0.89 | 0.88 | 0.89 | 0.89 | 1.27 | 1.18 | 1.23 | 1.19 | 1.19 |
| – Basilicata | 1.01 | 0.99 | 0.99 | 0.98 | 0.98 | - | - | - | - | - |
| – Calabria | 0.87 | 0.88 | 0.88 | 0.89 | 0.89 | 1.09 | 1.03 | 1.17 | 1.15 | 1.15 |
| – Sicily | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 1.00 | 0.95 | 0.98 | 0.96 | 0.96 |
| – Sardinia | 0.90 | 0.91 | 0.91 | 0.91 | 0.91 | 0.70 | 0.70 | 0.72 | 0.95 | 0.95 |
| – Total | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 1.07 | 1.05 | 1.09 | 1.08 | 1.08 |

All indicator values are aligned to CMS DRG version 24.0 used by the Ministry of Health since 2009. This version consists of 538 DRGs and refers to the 2007 International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for the classification of diseases, injuries, surgeries, diagnostic and therapeutic procedures.

(a) The public institutions in Veneto also include 4 private hospitals (accredited healthcare facilities) associated with AIOIP and under the control of USL facilities. (b) The high average weight is due to the presence of two accredited healthcare facilities, largely devoted to extremely specialized treatment.

Source: data processed by *Ermeneta – Studi & Strategie di Sistema* based on the *Ministry of Health and AIOIP data*

b) but if one compares the incidence out of 1,000 discharges for individual DRGs in 2016 among public institutions and AIOP accredited private institutions, the superiority of the second type of facilities compared to the first is confirmed, except in the case of DRG 110 (Major cardiovascular system procedures with cc), 552 (Other permanent cardiac pacemaker implant w/o major cv dx) and 553 (Other vascular procedures w cc w major cv dx): this largely confirms the quality of AIOP performance levels for a group of DRGs emblematic of highly specialized services.

A further way to understand the contribution of accredited private facilities, this time taken as a whole, in terms of quality of services compared to public facilities, is to compare the incidence of high, medium and low complexity cases for services provided to acute patients during their hospitalization, with reference to the individual regions as well as the national average and that of the individual geographical regions (Table 4). It should be mentioned that in this instance we are talking about accredited private facilities, including private polyclinics, private IRCCS and private foundations, religiously-affiliated classified hospitals, USL facilities, research agencies and, finally, accredited private hospitals.

Furthermore, we have to specify that the level of complexity has been calculated on the weighted classes relative to DRGs, taking into account that this indicator refers to the resources absorbed for the production of each DRG³.

The data shows how the accredited private hospitals (as a whole) account for 19.9% of high-complexity services compared to 14.7% for public hospitals in 2016. And this difference in favor of the accredited private component is even greater in the North (23.2% compared to 15.0%), though it also holds true in Central Italy (19.4% compared to 16.8%) and in the South (16.5% compared to 13.0%).

Looking at the individual Regions, accredited private facilities (as a whole) show a greater incidence of high-complexity services compared to public facilities, except in two cases: that of Lazio (16.7% compared to 17.0%), and that of Campania (11.9% compared to 12.6). Moreover, the positive difference of the accredited hospitals is accentuated in a pronounced manner (sometimes even twice or more) in all the Northern and Central Regions (with the exception of Lazio in particular) and in all the Southern Regions (except for Campania). This phenomenon is immediately evident if we look at the values shown in the last column of Table 4, which are the result of the ratio between the highly complex percentages of the accredited

³ See note in Table 4.

Table 3 – The quality of public and private hospital services, as measured by the incidence rates of extremely specialized^(a) DRGs^(*)

| DRG | Public institutions (Incidence per 1,000 discharged patients) | | | | Private hospitals (accredited healthcare facilities) – AIOP (Incidence per 1,000 discharged patients) | | | |
|---|---|--------|--------|--------|--|--------|--------|--------|
| | 2014 | 2015 | 2016 | 2016 | 2014 | 2015 | 2015 | 2016 |
| | 104 Cardiac valve & oth major cardiothoracic proc w card cath | 1.061 | 1.293 | 1.420 | 1.420 | 5.273 | 5.849 | 5.849 |
| 105 Cardiac valve & oth major cardiothoracic proc w/o card cath | 1.411 | 1.626 | 1.599 | 1.599 | 2.531 | 2.737 | 2.737 | 2.511 |
| 106 Coronary bypass w PTCA | 0.026 | 0.031 | 0.034 | 0.034 | 0.181 | 0.179 | 0.179 | 0.137 |
| 108 Other cardiothoracic procedures | 0.426 | 0.501 | 0.528 | 0.528 | 0.813 | 0.822 | 0.822 | 0.685 |
| 110 Major cardiovascular procedures w cc | 1.346 | 1.558 | 1.598 | 1.598 | 1.113 | 1.193 | 1.193 | 1.079 |
| 111 Major cardiovascular procedures w/o cc | 1.332 | 1.531 | 1.519 | 1.519 | 2.026 | 2.199 | 2.199 | 2.058 |
| 515 Cardiac defibrillator implant w/o cardiac cath | 1.366 | 1.596 | 1.630 | 1.630 | 1.655 | 1.736 | 1.736 | 1.886 |
| 535 Cardiac defib implant w cardiac cath w ami/hf/shock | 0.266 | 0.298 | 0.318 | 0.318 | 0.550 | 0.668 | 0.668 | 0.604 |
| 536 Cardiac defib implant w cardiac cath w/o ami/hf/shock | 0.323 | 0.387 | 0.394 | 0.394 | 0.556 | 0.684 | 0.684 | 0.605 |
| 547 Coronary bypass w cardiac cath w major cv dx | 0.135 | 0.165 | 0.173 | 0.173 | 0.231 | 0.238 | 0.238 | 0.182 |
| 548 Coronary bypass w cardiac cath w/o major cv dx | 0.366 | 0.395 | 0.403 | 0.403 | 1.364 | 1.323 | 1.323 | 1.060 |
| 549 Coronary bypass w/o cardiac cath w major cv dx | 0.146 | 0.157 | 0.179 | 0.179 | 0.429 | 0.468 | 0.468 | 0.438 |
| 550 Coronary bypass w/o cardiac cath w/o major cv dx | 0.716 | 0.762 | 0.752 | 0.752 | 1.976 | 2.163 | 2.163 | 1.866 |
| 551 Permanent cardiac pacemaker impl w maj cv dx or aicd lead or gnrr | 1.420 | 1.607 | 1.682 | 1.682 | 1.654 | 1.926 | 1.926 | 1.770 |
| 552 Other permanent cardiac pacemaker implant w/o major cv dx | 4.137 | 4.865 | 4.995 | 4.995 | 4.960 | 5.042 | 5.042 | 4.432 |
| 553 Other vascular procedures w cc w major cv dx | 0.251 | 0.277 | 0.296 | 0.296 | 0.140 | 0.120 | 0.120 | 0.121 |
| <i>Mean Incidence</i> | 22.697 | 25.776 | 26.541 | 26.541 | 28.096 | 30.941 | 30.941 | 27.760 |

(*) Inpatient admissions for acute cases.

(a) Values calculated with the later CMS DRG Version 24.0 adopted by the Ministry of Health.

Source: data processed by *Ermeneia – Studi & Strategie di Sistema* based on the *Ministry of Health and AIOP* data.

Table 4 – Comparison of percentages of high, medium and low complexity cases of services provided to acute patients during hospitalization, in public hospitals and accredited private hospitals (as a whole), divided by Regions –2016

| Regions | Public hospitals | | | Accredited private hospitals | | | | |
|-----------------------|------------------|-------------------|----------------|------------------------------|-------------------|----------------|-------------------------------------|----------------------------|
| | High complexity | Medium complexity | Low complexity | High complexity | Medium complexity | Low complexity | % High complexity – Accred. private | % High complexity – Public |
| Piedmont | 16.0 | 34.7 | 49.3 | 19.7 | 23.7 | 53.6 | 1.23 | 1.96 |
| Aosta Valley | 16.3 | 34.9 | 48.8 | 31.9 | 9.3 | 58.8 | 1.96 | 1.69 |
| Lombardy | 14.2 | 31.2 | 54.6 | 24.1 | 31.7 | 44.2 | - | - |
| Bolzano | 13.5 | 28.9 | 57.6 | - | 24.0 | 76.0 | - | - |
| Trento | 14.4 | 35.8 | 49.8 | 19.8 | 27.0 | 53.2 | 1.37 | 1.87 |
| Veneto | 15.9 | 34.8 | 49.3 | 29.7 | 31.3 | 39.0 | 1.87 | 1.38 |
| Friuli Venezia Giulia | 15.4 | 35.3 | 49.3 | 21.3 | 23.2 | 55.5 | 1.24 | 1.24 |
| Liguria | 16.6 | 40.6 | 42.8 | 20.6 | 36.5 | 42.9 | 1.24 | 1.26 |
| Emilia Romagna | 14.3 | 35.9 | 49.8 | 18.0 | 27.6 | 54.4 | 1.26 | 2.07 |
| Tuscany | 17.5 | 39.8 | 42.7 | 36.2 | 24.8 | 39.0 | 2.07 | 1.99 |
| Umbria | 15.1 | 33.1 | 51.8 | 30.0 | 19.3 | 50.7 | 1.22 | 1.22 |
| Marche | 15.6 | 36.3 | 48.1 | 19.1 | 23.3 | 57.6 | 1.22 | 0.98 |
| Lazio | 17.0 | 34.0 | 49.0 | 16.7 | 33.8 | 49.5 | 1.39 | 2.55 |
| Abruzzo | 15.4 | 36.3 | 48.3 | 21.4 | 28.9 | 49.7 | 2.55 | 0.94 |
| Molise | 11.2 | 33.5 | 55.3 | 28.6 | 37.5 | 33.9 | 1.51 | 2.54 |
| Campania | 12.6 | 30.9 | 56.5 | 11.9 | 28.3 | 59.8 | 1.51 | 2.46 |
| Apulia | 11.3 | 32.9 | 55.8 | 17.1 | 35.7 | 47.2 | 2.46 | 1.16 |
| Basilicata | 13.8 | 37.6 | 48.6 | 35.1 | 23.3 | 41.6 | 1.16 | 1.35 |
| Calabria | 11.9 | 32.1 | 56.0 | 29.2 | 33.2 | 37.6 | 1.35 | 1.16 |
| Sicily | 15.0 | 34.9 | 50.1 | 18.9 | 34.2 | 46.9 | 1.16 | 1.16 |
| Sardinia | 12.3 | 32.9 | 54.8 | 14.3 | 18.0 | 67.7 | 1.16 | 1.16 |
| North | 15.0 | 34.1 | 50.9 | 23.2 | 30.2 | 46.6 | 1.16 | 1.16 |
| Center | 16.8 | 36.5 | 46.7 | 19.4 | 31.9 | 48.7 | 1.16 | 1.16 |
| South | 13.0 | 33.2 | 53.8 | 16.5 | 31.6 | 51.9 | 1.16 | 1.16 |
| Italy | 14.7 | 34.3 | 51.0 | 19.9 | 31.1 | 49.0 | 1.16 | 1.16 |

(*) The classification by classes of complexity of the DRGs currently available is that contained in the 2012 TUC Agreement, also included in the provisions of the 2016 Stability Law which excludes high-complexity services from passive mobility control measures, and subsequently extended. The TUC, however, only defines 84 high-complexity DRGs and 108 potentially inappropriate DRGs, nevertheless incorporating a setting aimed at the construction of a fee system designed to compensate inter-regional mobility. This table therefore utilizes a classification based on weight classes of DRGs, taking into account that this indicator expresses the complexity through the evaluation of the resources used for the production of each DRG; the average complexity is between the weight values of 0.9500 and 1.700 and the range of high complexity DRGs is 97% of the TUC high complexity services. Public hospital services are provided by: Hospital Centers, University Hospital Centers and Public Polyclinics, Public IRCCS and Public Foundations, Directly-Managed Hospitals. Accredited private hospital services are provided by: Private Polyclinics, Private IRCCS and Private Foundations, Classified Hospitals, USL Facilities, Research Agencies, Private healthcare facilities.

Source: survey by *Ermeneta – Studi & Strategie* based on data from *Minister of Health – SDO 2016*

private facilities and the corresponding high complexity percentages of the public facilities; the indicator equal to 1.00 represents parity, while the higher values underline the advantage and those below 1.00 the possible disadvantage of the accredited private facilities.

Moreover, the two-year comparison of the incidence of high complexity services shows an improvement for both types of facilities, but with greater acceleration seen for private accredited facilities compared to public ones, as shown in the chart below:

| | % High complexity – Public | | | % High complexity – Accr. private | | |
|----------|-------------------------------|------|----------|--------------------------------------|------|----------|
| | 2014 | 2016 | Δ | 2014 | 2016 | Δ |
| - North | 14.5 | 15.0 | +0.5 | 20.9 | 23.2 | +2.3 |
| - Center | 15.5 | 16.8 | +1.3 | 17.0 | 19.4 | +2.4 |
| - South | 12.0 | 13.0 | +1.0 | 16.1 | 16.5 | +0.4 |
| Italy | 13.0 | 14.7 | +1.7 | 17.5 | 19.9 | +2.4 |

If we then consider medium complexity services, we can see that there is a decidedly greater incidence in this case for public hospitals (34.3%) compared to accredited private hospitals (31.1%), except in three cases, namely in Lombardy, Apulia, and Calabria.

While the incidence of low complexity services is very similar: 51.0% for public hospitals and 49.0% for accredited private hospitals as a whole, but with a slight higher concentration in the former, if they are located in the South.

1.3. A good result also in terms of effectiveness of care

The National Outcome Evaluation Program (Programma Nazionale Valutazione Esiti, PNE), developed by Agenas on behalf of the Ministry of Health, provides comparative evaluations of the efficacy, safety, efficiency and quality of the care produced by individual hospitals within the National Health Service.

The indicators developed are discussed in the framework of the PNE Committee, composed of representatives of Regions, Autonomous Provinces, Ministry of Health and scientific institutions, while planning, management, definition of indicators, data analysis and web site management are entrusted to the Department of Epidemiology of the Regional Health Service (Servizio Sanitario Regionale, SSR) of the Lazio Region, in its capacity as Agenas' PNE operational center.

The PNE indicators are an evaluation tool used to support clinical and organizational *auditing* programs aimed at improving effectiveness and equity within facilities of the National Health Service. The functions of these

indicators – it should be remembered – do not include the publication of classifications, rankings or “report cards”. Even though the results are processed using media and the most important public reporting portals in the health sector for each data presentation, they are often based on indicators that are not fully evaluated in terms of statistical significance and quality, as well as a correct reading of the basic data: such a circumstance may have inappropriate repercussions in terms of image and clinical reliability for the facilities concerned.

In any case, the PNE indicators have over time assumed strategic importance also as an assessment tool for health care planning and the redefinition of the hospital network and services. In fact, with the issuance of Ministerial Decree 70/2015 – which sets as priorities the implementation of clinical governance, safety of care, research and innovation – indicators of volumes of activity and evaluation of outcomes constitute a central reference for the determination of qualitative, structural, technological and quantitative standards relating to hospital care. Point 4.6 of the Decree states that “*both in terms of volumes and outcomes, the minimum thresholds that can be identified at the national level on the basis of scientific evidence, may permit the definition of non-discretionary criteria for the reconversion of the hospital network and potential assessments for accreditation*”.

The 2017 PNE Report, which is based on 2016 SDO data, highlights 166 indicators, including 67 outcomes/processes, 70 on activity volumes, and 29 on in-hospital stays and represents the most recent evolution along a path of consolidation and maturity of the system which, starting from the 146 indicators from 2015, has proposed some important innovations over time, such as:

- the introduction of new indicators for orthopedics, pediatrics and angiology;
- the publication of brief evaluations of hospital facilities;
- as well as the greater use of auditing tools for the identification of problems relating to the quality of the data used for the calculation of the indicators.

Also for these reasons, beginning with this Report, the usual assessments of the volumes and on the complexity of the services will be supported by these initial outcome evaluations, in order to offer a more complete picture of the Italian hospital system offering, based also on a broader meaning of the concept of quality.

The following tables present an unprecedented public-private comparison report on the PNE outcomes, whose structure follows the approach used for complexity indicators (*average weight* and *case-mix*) but does not go into Regional detail, to give more consistency in terms of the number of cases

and, therefore, of statistical significance. The proposed analysis of the national values and for the three macro areas of North, Central and South Italy, with reference to the 19 TREEMAP indicators⁴, is based on the December 2017 PNE data and shows, in addition to the frequencies and percentages of admissions, the *risk adjustment (ADJ)*⁵ values relating to the two sectors, together with the corresponding national reference averages.

As can be seen, similarly to what happens with the indicators of complexity, even on the side of the outcomes, the results for the accredited (and not) private hospitals overlap seamlessly with those of the public sector and contribute significantly to the overall improvement witnessed between 2010 and 2016. This improvement was underlined by Agenas, recalling the trend of some significant indicators such as:

- acute myocardial infarction, with 30-day mortality, which went from 10.4% to 8.6%;
- fracture of the neck of the femur, with surgery within 2 days, which increased from 31% to 58%;
- the proportion of births, with a primary cesarean section, which decreased from 29% to 24.5%;
- laparoscopic cholecystectomy, with a percentage of admissions with a post-operative stay of less than 3 days, definitely improved, from 58.8% to 72.7%.

The positive role played in this context by accredited (and not) private hospitals is also evident from the consideration of the ADJ indicators in tables 5, 6, 7 and 8, which highlight for example (comparing the data of the third column with that of the sixth column)⁶:

- at the national level, 16 out of 19 better outcomes in accredited (and not) private hospitals compared to 3 out of 19 in public facilities;

⁴ The TREEMAP indicators constitute a new synthetic assessment tool, by means of which each facility can be evaluated both on the basis of the results obtained for each of the PNE indicators, and on the basis of a synthetic analysis by clinical area, taking into account the validity and the different weight of each indicator. There are 7 main clinical areas considered for the purposes of this new assessment by facility: cardiovascular, nervous, respiratory, general surgery, oncological surgery, pregnancy and childbirth, and musculoskeletal.

⁵ The comparative evaluation of outcomes must take into account the possible differences existing in the population examined, which may include age, gender, the severity stages of pathologies, and comorbidities. The risk adjustment techniques make it possible to analyze the observed variability between facilities and/or territorial areas in terms of relative risk (RR), this index being used as an associative measure. This way the possible ‘confounding effect’ of the association between outcome and exposure is insulated, as this effect is caused by an uneven distribution of patient characteristics.

⁶ The data reported and the construction of the tables of the indicators are based on the significant processing contribution made by Innogea Srl - Palermo.

Table 5 – Comparison of outcome indicators (with risk adjustment values) for the 19 TREM-IP indicators, between public hospital and accredited (and not) private hospitals (Italy, Year 2017)

| Clinical Area | Indicator | Public hospital facilities | | | Accredited and non-accredited private facilities | | | Total and national average | | |
|--------------------------|--|----------------------------|---------|-------|--|---------|-------|----------------------------|---------|-------|
| | | Number of cases | % cases | % ADJ | Number of cases | % cases | % ADJ | Number of cases | % cases | % ADJ |
| Cardio circulatory | Ami: 30-day mortality | 78,601 | 93.7% | 8.49 | 5,275 | 6.3% | 7.37 | 83,876 | 8.60 | 8.60 |
| | Ami: % treated with PTCA within 2 days | 78,544 | 93.8% | 45.52 | 5,192 | 6.2% | 56.60 | 83,736 | 44.80 | 44.80 |
| | Congestive heart failure: 30-day mortality | 113,462 | 86.4% | 10.98 | 17,908 | 13.6% | 6.94 | 131,370 | 10.40 | 10.40 |
| | Aortocoronary by-pass: 30-day mortality | 17,545 | 66.9% | 2.09 | 8,677 | 33.1% | 2.50 | 26,222 | 2.15 | 2.15 |
| Nervous | Valvuloplasty or replacement of heart valves: 30-day mortality | 20,464 | 58.3% | 2.65 | 14,616 | 41.7% | 2.58 | 35,080 | 2.66 | 2.66 |
| | Repair of unruptured aneurysm of the abdominal aorta: 30-day mortality | 10,156 | 86.6% | 2.04 | 1,575 | 13.4% | 1.06 | 11,731 | 1.69 | 1.69 |
| | Ischemic stroke: 30-day mortality | 51,175 | 95.8% | 10.86 | 2,252 | 4.2% | 7.99 | 53,427 | 10.90 | 10.90 |
| Respiratory | Surgical intervention for cerebral tumor: 30-day mortality after craniotomy | 24,267 | 88.3% | 2.69 | 3,207 | 11.7% | 2.22 | 27,474 | 2.72 | 2.72 |
| | Exacerbated COPD: 30-day mortality | 60,359 | 88.4% | 10.08 | 7,914 | 11.6% | 5.10 | 68,273 | 9.31 | 9.31 |
| General Surgery | Laparoscopic Cholecystectomy: % admissions with post-operative hospital stay <3 days | 47,227 | 79.8% | 71.86 | 11,978 | 20.2% | 80.59 | 59,205 | 72.72 | 72.72 |
| | Laparoscopic Cholecystectomy: % interventions in departments with activity volume > 90 cases | | | | | | | | 73.91 | |
| Surgical oncology | Surgery for breast tumor: % interventions in departments with activity volume > 135 cases | | | | | | | | | 66.00 |
| | Proportion of new resection interventions within 120 days from conservative surgery for malign tumor | 27,718 | 80.8% | 8.33 | 6,567 | 19.2% | 6.99 | 34,285 | 8.26 | 8.26 |
| | Surgery for lung tumor: 30-day mortality | 17,284 | 84.5% | 1.36 | 3,177 | 15.5% | 1.37 | 20,461 | 1.23 | 1.23 |
| | Surgery for stomach tumor: 30-day mortality | 9,412 | 91.0% | 5.50 | 930 | 9.0% | 2.92 | 10,342 | 6.16 | 6.16 |
| | Surgery for colon tumor: 30-day mortality | 35,184 | 94.2% | 4.29 | 2,147 | 5.8% | 3.23 | 37,331 | 4.12 | 4.12 |
| | Proportion of births by primary cesarean section | 314,645 | 89.9% | 22.91 | 35,237 | 10.1% | 38.37 | 349,882 | 24.52 | 24.52 |
| Pregnancy and Childbirth | Natural births: proportion of complications during childbirth and the puerperium | 476,614 | 92.1% | 0.55 | 40,695 | 7.9% | 0.53 | 517,309 | 0.52 | 0.52 |
| | Cesarean births: proportion of complications during childbirth and the puerperium | 233,504 | 84.1% | 0.88 | 44,058 | 15.9% | 0.66 | 277,562 | 0.78 | 0.78 |
| Musculoskeletal | Fracture of the neck of the femur: surgery within 2 days | 64,259 | 95.2% | 57.77 | 3,242 | 4.8% | 66.82 | 67,501 | 57.80 | 57.80 |
| | Fracture of the tibia and fibula: waiting times for surgery | 5,001 | 95.1% | 4.57 | 257 | 4.9% | 3.05 | 5,258 | 4.00 | 4.00 |

Source: processing by Innovega Srl – data from Agenas – Programma Nazionale Valutazione Esiti (PNE, National Outcome Evaluation Program), 2017

Table 6 – Comparison of outcome indicators (with risk adjustment values) for the 19 TREEMJP indicators, between public hospital and accredited (and no) private hospitals (North Italy, Year 2017)

| Clinical Area | Indicator | Public hospital facilities | | | Accredited and non-accredited private facilities | | | Total and national average | | |
|-----------------------------|--|----------------------------|---------|-------|--|---------|-------|----------------------------|---------|-------|
| | | Number of cases | % cases | % ADI | Number of cases | % cases | % ADI | Number of cases | % cases | % ADI |
| Cardio circulatory | Ani: 30-day mortality | 36,335 | 91.5% | 8.23 | 3,361 | 8.5% | 7.14 | 39,696 | 8.6% | 8.60 |
| | Ani: % treated with PTCA within 2 days | 36,278 | 91.5% | 45.81 | 3,361 | 8.5% | 59.10 | 39,639 | 44.80 | 10.40 |
| | Congestive heart failure: 30-day mortality | 36,853 | 89.4% | 10.15 | 6,721 | 10.6% | 7.55 | 63,574 | 10.40 | 2.15 |
| | Aortocoronary by-pass: 30-day mortality | 8,120 | 70.6% | 1.65 | 3,374 | 29.4% | 1.74 | 11,494 | 2.15 | 2.66 |
| | Valvuloplasty or replacement of heart valves: 30-day mortality | 10,180 | 53.3% | 2.40 | 8,914 | 46.7% | 1.96 | 19,094 | 2.66 | 1.69 |
| Nervous | Repair of unruptured aneurysm of the abdominal aorta: 30-day mortality | 4,777 | 79.7% | 1.69 | 1,220 | 20.3% | 0.98 | 5,997 | 1.69 | 10.90 |
| | Ischemic stroke: 30-day mortality | 26,206 | 95.6% | 10.00 | 1,206 | 4.4% | 7.46 | 27,412 | 10.90 | 2.72 |
| Respiratory | Surgical intervention for cerebral tumor: 30-day mortality after craniotomy | 13,887 | 86.7% | 2.26 | 2,135 | 13.3% | 1.48 | 16,022 | 2.72 | 9.31 |
| | Exacerbated COPD: 30-day mortality | 28,592 | 89.8% | 8.32 | 3,231 | 10.2% | 5.00 | 31,823 | 9.31 | 72.72 |
| General Surgery | Laparoscopic Cholecystectomy: % admissions with post-operative hospital stay <3 days | 24,922 | 84.4% | 73.08 | 4,618 | 15.6% | 84.81 | 29,540 | 72.72 | 73.91 |
| | Laparoscopic Cholecystectomy: % interventions in departments with activity volume > 90 cases | | | | | | | | | 66.00 |
| Surgical oncology | Surgery for breast tumor: % interventions in departments with activity volume > 135 cases | | | | | | | | | 66.00 |
| | Proportion of new resection interventions within 120 days from conservative surgery for malign tumor | 15,509 | 79.1% | 8.73 | 4,104 | 20.9% | 6.93 | 19,613 | 8.26 | 1.23 |
| | Surgery for lung tumor: 30-day mortality | 9,142 | 78.4% | 1.31 | 2,517 | 21.6% | 0.78 | 11,659 | 1.23 | 6.16 |
| | Surgery for stomach tumor: 30-day mortality | 4,327 | 83.9% | 4.50 | 833 | 16.1% | 3.13 | 5,160 | 4.12 | 24.52 |
| | Surgery for colon tumor: 30-day mortality | 18,768 | 92.8% | 4.33 | 1,447 | 7.2% | 3.19 | 20,215 | 0.52 | 0.78 |
| Pregnancy and Childbirth | Proportion of births by primary cesarean section | 158,764 | 94.7% | 17.48 | 8,927 | 5.3% | 20.74 | 167,691 | 0.52 | 0.78 |
| | Natural births: proportion of complications during childbirth and the puerperium | 264,619 | 94.9% | 0.67 | 14,116 | 5.1% | 0.80 | 278,735 | 0.78 | 57.80 |
| Musculoskeletal | Cesarean births: proportion of complications during childbirth and the puerperium | 93,742 | 94.5% | 0.99 | 5,415 | 5.5% | 1.02 | 99,157 | 4.00 | 4.00 |
| | Fracture of the neck of the femur: surgery within 2 days | 29,170 | 93.0% | 64.98 | 2,181 | 7.0% | 72.67 | 31,351 | 4.00 | 4.00 |
| Musculoskeletal | Fracture of the tibia and fibula: waiting times for surgery | 2,444 | 94.0% | 4.06 | 156 | 6.0% | 2.63 | 2,600 | 4.00 | 4.00 |
| | Fracture of the tibia and fibula: waiting times for surgery | | | | | | | | | 4.00 |

Source: processing by Imagoes Srl – data from Agenas – Programma Nazionale Valutazione Esiti (PNE: National Outcome Evaluation Program), 2017

Table 7 – Comparison of outcome indicators (with risk adjustment values) for the 19 TREM-JIP indicators, between public hospital and accredited (and no) private hospitals (Central Italy, Year 2017)

| Clinical Area | Indicator | Public hospital facilities | | | Accredited and non-accredited private facilities | | | Total and national average | | |
|--------------------------|--|--|---------|-------|--|---------|-------|----------------------------|---------|-------|
| | | Number of cases | % cases | % ADJ | Number of cases | % cases | % ADJ | Number of cases | % cases | % ADJ |
| Cardio circulatory | Ani: 30-day mortality | 16,253 | 96.6% | 7.41 | 568 | 3.4% | 8.71 | 16,821 | 8.60 | 8.60 |
| | Ani: % treated with PTCA within 2 days | 16,253 | 97.1% | 49.53 | 485 | 2.9% | 39.86 | 16,738 | 44.80 | 44.80 |
| | Congestive heart failure: 30-day mortality | 22,393 | 89.2% | 11.01 | 2,717 | 10.8% | 8.73 | 23,110 | 10.40 | 10.40 |
| | Aortic coronary bypass: 30-day mortality | 4,287 | 92.4% | 2.31 | 355 | 7.6% | 1.56 | 4,642 | 2.15 | 2.15 |
| | Valvuloplasty or replacement of heart valves: 30-day mortality | 6,223 | 90.3% | 2.22 | 669 | 9.7% | 2.18 | 6,892 | 2.66 | 2.66 |
| Nervous | Repair of unruptured aneurysm of the abdominal aorta: 30-day mortality | 3,037 | 100.0% | 1.34 | - | - | 0.00 | 3,037 | 1.69 | 1.69 |
| | Ischemic stroke: 30-day mortality | 9,541 | 97.6% | 9.40 | 234 | 2.4% | 5.46 | 9,775 | 10.90 | 10.90 |
| | Surgical intervention for cerebral tumor: 30-day mortality after craniotomy | 5,671 | 98.9% | 2.82 | 65 | 1.1% | 3.38 | 5,736 | 2.72 | 2.72 |
| Respiratory | Exacerbated COPD: 30-day mortality | 11,415 | 91.7% | 10.03 | 1,028 | 8.3% | 9.90 | 12,443 | 9.31 | 9.31 |
| | Laparoscopic Cholecystectomy: % admissions with post-operative hospital stay < 3 days | 10,650 | 89.8% | 77.62 | 1,204 | 10.2% | 85.04 | 11,854 | 72.72 | 72.72 |
| General Surgery | Laparoscopic Cholecystectomy: % interventions in departments with activity volume > 90 cases | No ADJ comparison data is available for this indicator | | | | | | | | |
| | Surgery for breast tumor: % interventions in departments with activity volume > 135 cases | No ADJ comparison data is available for this indicator | | | | | | | | |
| Surgical oncology | Proportion of new resection interventions within 120 days from conservative surgery for malign tumor | 6,643 | 98.1% | 7.59 | 128 | 1.9% | 6.48 | 6,771 | 8.26 | 8.26 |
| | Surgery for lung tumor: 30-day mortality | 5,010 | 98.7% | 1.31 | 68 | 1.3% | 2.03 | 5,078 | 1.23 | 1.23 |
| | Surgery for stomach tumor: 30-day mortality | 3,028 | 100.0% | 5.09 | - | - | 0.00 | 3,028 | 6.16 | 6.16 |
| | Surgery for colon tumor: 30-day mortality | 8,822 | 99.4% | 3.70 | 51 | 0.6% | 2.98 | 8,873 | 4.12 | 4.12 |
| | Proportion of births by primary cesarean section during childbirth and the puerperium | 64,434 | 93.4% | 23.90 | 4,557 | 6.6% | 34.37 | 68,991 | 24.52 | 24.52 |
| Pregnancy and Childbirth | Natural births: proportion of complications during childbirth and the puerperium | 94,589 | 94.3% | 0.45 | 5,726 | 5.7% | 0.39 | 100,315 | 0.52 | 0.52 |
| | Cesarean births: proportion of complications during childbirth and the puerperium | 45,002 | 90.2% | 0.65 | 4,894 | 9.8% | 0.57 | 49,896 | 0.78 | 0.78 |
| Musculoskeletal | Fracture of the neck of the femur: surgery within 2 days | 14,319 | 96.5% | 62.68 | 524 | 3.5% | 74.66 | 14,843 | 57.80 | 57.80 |
| | Fracture of the tibia and fibula: waiting times for surgery | 1,176 | 94.7% | 4.39 | 66 | 5.3% | 3.00 | 1,242 | 4.00 | 4.00 |

Source: processing by Imagoes Srl – data from Agenas – Programma Nazionale Valutazione Esiti (PNE: National Outcome Evaluation Program), 2017

Table 8 – Comparison of outcome indicators (with risk adjustment values) for the 19 TREEM-IP indicators, between public hospital and accredited (and no) private hospitals (South Italy, Year 2017).

| Clinical Area | Indicator | Public hospital facilities | | | | Accredited and non-accredited private facilities | | | | Total and national average | |
|-----------------------|--|----------------------------|---------|-------|-----------------|--|-------|-----------------|-------|----------------------------|-------|
| | | Number of cases | % cases | % ADJ | Number of cases | % cases | % ADJ | Number of cases | % ADJ | Number of cases | % ADJ |
| Cardio circulatory | Ani: 30-day mortality | 26,013 | 95.1% | 9.55 | 1,346 | 4.9% | 7.40 | 27,359 | 8.60 | | |
| | Ani: % treated with PTCA within 2 days | 26,013 | 95.1% | 42.61 | 1,346 | 4.9% | 56.39 | 27,359 | 44.80 | | |
| | Congestive heart failure: 30-day mortality | 34,816 | 80.4% | 12.34 | 8,470 | 19.6% | 5.89 | 43,286 | 10.40 | | |
| | Aortocoronary by-pass: 30-day mortality | 5,138 | 50.9% | 2.62 | 4,948 | 49.1% | 3.09 | 10,086 | 2.15 | | |
| Nervous | Valvuloplasty or replacement of heart valves: 30-day mortality | 4,061 | 44.7% | 3.94 | 5,033 | 55.3% | 3.75 | 9,094 | 2.66 | | |
| | Repair of unruptured aneurysm of the abdominal aorta: 30-day mortality | 2,032 | 85.1% | 3.64 | 355 | 14.9% | 1.35 | 2,387 | 1.69 | | |
| | Ischemic stroke: 30-day mortality | 15,428 | 96.8% | 13.22 | 512 | 3.2% | 10.72 | 15,940 | 10.90 | | |
| Respiratory | Surgical intervention for cerebral tumor: 30-day mortality after craniotomy | 4,709 | 82.4% | 3.78 | 1,007 | 17.6% | 3.73 | 5,716 | 2.72 | | |
| | Exacerbated COPD: 30-day mortality | 20,352 | 84.8% | 12.57 | 3,655 | 15.2% | 3.84 | 24,007 | 9.31 | | |
| General Surgery | Laparoscopic Cholecystectomy: % admissions with post-operative hospital stay <3 days | 11,655 | 65.4% | 63.97 | 6,156 | 34.6% | 76.56 | 17,811 | 72.72 | | |
| | Laparoscopic Cholecystectomy: % interventions in departments with activity volume > 90 cases | | | | | | | | | 73.91 | |
| Surgical oncology | Surgery for breast tumor: % interventions in departments with activity volume > 135 cases | | | | | | | | | 66.00 | |
| | Proportion of new resection interventions within 120 days from conservative surgery for malign tumor | 5,566 | 70.4% | 8.09 | 2,335 | 29.6% | 7.12 | 7,901 | 8.26 | | |
| | Surgery for lung tumor: 30-day mortality | 3,132 | 84.1% | 1.56 | 592 | 15.9% | 3.81 | 3,724 | 1.23 | | |
| | Surgery for stomach tumor: 30-day mortality | 2,057 | 95.5% | 8.21 | 97 | 4.5% | 1.14 | 2,154 | 6.16 | | |
| | Surgery for colon tumor: 30-day mortality | 7,594 | 92.1% | 4.89 | 648 | 7.9% | 3.34 | 8,242 | 4.12 | | |
| | Proportion of births by primary cesarean section during childbirth and the puerperium | 91,447 | 80.8% | 31.63 | 21,753 | 19.2% | 46.45 | 113,200 | 24.52 | | |
| | Natural births: proportion of complications during childbirth and the puerperium | 117,406 | 84.9% | 0.35 | 20,853 | 15.1% | 0.38 | 138,259 | 0.52 | | |
| | Cesarean births: proportion of complications during childbirth and the puerperium | 94,760 | 73.7% | 0.87 | 33,749 | 26.3% | 0.61 | 128,509 | 0.78 | | |
| | Fracture of the neck of the femur: surgery within 2 days | 20,770 | 97.5% | 44.26 | 537 | 2.5% | 35.40 | 21,307 | 57.80 | | |
| | Fracture of the tibia and fibula: waiting times for surgery | 1,381 | 97.5% | 5.61 | 35 | 2.5% | 5.00 | 1,416 | 4.00 | | |

Source: processing by Imgeea Srl – data from Agenas – Programma Nazionale Valutazione Esiti (PNE: National Outcome Evaluation Program), 2017

- in the cases analyzed for North Italy, 15 out of 19 better outcomes for accredited (and not) private hospitals compared to 4 out of 19 for public hospitals;
- in the cases analyzed for Central Italy, 12 out of 19 better outcomes for accredited (and not) private hospitals compared to 6 out of 19 for public hospitals;
- and finally, in the cases analyzed for South Italy, 14 out of 19 better outcomes for accredited (and not) private hospitals compared to 5 out of 19 for public hospitals.

1.4. Overall a positive user assessment, albeit slightly decreasing over time

Already in the previous sections mention has been made of the dual logic of the Italian hospital system, which is based primarily on the presence of public facilities, on the one hand, and accredited private facilities, on the other, to which are also added private clinics (upon payment). More specifically, “objective” indicators have been compared, those concerning both the level of complexity of the services provided and the results obtained in terms of effectiveness of the treatments.

But it is also worth considering some “subjective” indicators, those which refer to opinions and assessments provided by both citizens and actual users on the basis of the economic surveys conducted each year for this Report.

Table 9 below shows the data gradually collected through the surveys referred to for every second year and the year 2018. These are the opinions of citizens regarding the mixed public/private hospital system that Italy enjoys. As relates to this, it should be underlined that this situation has its roots in laws that go back to Legislative Decree 502/1992, but has more than anything become over time a mixed system that is well thought of, appreciated and used by people who actively engage with it. In fact, the data in aforementioned Table shows how more than 8 out of 10 respondents:

- recognize that “accredited private hospitals are part of the overall hospital system and they do not consider whether a facility is a public or accredited private one when an in-hospital stay is necessary, but rather evaluate other factors such as the presence of a specialization, the quality of services, proximity to home, etc.” (85.9% agreement both in 2017 and in 2018);
- but also underline that “the government should make the best use of all the hospitals in the area whether they are public or accredited private facilities, in order to allow citizens the best possible choice according to

their needs, opportunities and opinions” (86.6% agreement in 2017 and 86.5 in 2018);

Added to this is the fact that almost 8 out of 10 respondents suggest that, “Regional and local health authorities (ASL) should engage in appropriate public information campaigns to encourage free choice, given that little is currently known about the various opportunities of admissions offered by the accredited private hospitals” (77.7% consensus in 2017 and 77.8 in 2018).

As can be seen from the data reported, the full perception of the existence of a mixed public/private hospital system has become well established over time: and this perception is solid despite the lengthy crisis experienced by families and despite the gradual entry of new generations into the position of potential or real users and, above all, of caregivers, with the consequent need to get to know the Italian hospital system better.

If we go on to consider the level of satisfaction with the services received from users who have actually made use of hospital services during the last twelve months (see Table 10), we see the result (expression of the opinions “very + quite satisfied”):

- extends to more than 3/4 of respondents in 2018, and is true for 77.7% of those who used public hospitals, and increases to 93.0% for respondents who used accredited private hospitals and 86.1% of people who used private clinics;
- but it can also be seen to decrease over the years, going – for public hospitals – from 87.8% in 2011 to 77.7% in 2018, while managing to remain at high levels, albeit slightly lower, for accredited private hospitals (from 95.3% positive in 2011 to 93.0% in 2018, with some alternating opinions in the intermediate years): this is also the case for private clinics (upon payment) for which the overall level of satisfaction remains high, although it experiences a drop between 2011 (96.6%) and 2018 (86.1%).

If we delve deeper into the level of satisfaction for the year 2018, and compare the opinions expressed by the respondents as a whole with those of the residents in the various geographical areas, it is possible to observe that:

- for public hospitals, these ratings rose from an average of 77.7% to 80.3% in the case of people living in the North-West of the country, 81.2% for those in the North-East, but also 80.3% for those in Central Italy, whereas satisfaction ratings fall to 69.4% for the South and the Islands;
- for accredited private hospitals, positive assessments rose further than the already high average of 93.0%, to 97.4% for respondents in the North-West and 99.4% for those in the North-East, while they dropped for people living in Central Italy (68.8%), yet rise again to more than 90%

Table 9 – The positive perception of a mixed public/private hospital system among citizens (% val.)¹

| Phenomena | Data | | | | | | |
|--|------|------|------|------|------|------|-------------------|
| | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2018 ² |
| – “The accredited private hospital is now a part of the overall hospital system and that they do not consider whether the facility is public or private when a hospital stay is needed, but rather take into account other factors such as the necessary specialization, the quality of the services provided, the proximity to their home, and so on. (“Very + somewhat agree” opinions expressed by citizens not including “do not know” answers)” | 88.8 | 88.3 | 88.6 | 82.4 | 82.4 | 85.9 | 85.9 |
| – “The government should make the best use of all the hospitals in the area (public and private), in order to allow citizens the best possible choice according to their needs, opportunities and opinions (“Very + somewhat agree” opinion expressed by citizens not including “do not know” answers)” | 91.8 | 84.0 | 90.1 | 88.1 | 88.2 | 86.6 | 86.5 |
| – “Regions or local health authorities should invest in appropriate information campaigns to make citizens aware of their freedom to choose, since little is known about the various opportunities of admissions that accredited private hospitals offer” (“Very + somewhat agree” opinions expressed by citizens not including “do not know” answers)” | 86.6 | 84.3 | 80.3 | 77.1 | 79.7 | 77.7 | 77.8 |

(1) See for data up to the year 2017 Table 5/ Part One, p. 60 of the Report *Health&Hospitals/2017* (data are net of missing responses).

(2) See Part Two/Table 14, pp. 132-135.

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

Table 10 – The positive perception of the services received by actual users of hospital services used in the last twelve months, with reference to the three types of hospital facilities and geographical location (% val.)

| Answers | Year 2018 | | | | | | | | |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| | 2011 | 2013 | 2015 | 2017 | Total | North-West | North-East | Center | South and Islands |
| <i>Public hospitals</i> | | | | | | | | | |
| – Very satisfied | 29.0 | 24.3 | 23.0 | 19.7 | 19.7 | 23.8 | 29.4 | 13.0 | 11.4 |
| – Quite satisfied | 58.8 | 60.4 | 59.6 | 66.2 | 58.0 | 56.5 | 51.8 | 67.3 | 58.0 |
| – Very + quite satisfied | 87,8 | 84,7 | 82,6 | 85,9 | 77,7 | 80,3 | 81,2 | 80,3 | 69,4 |
| <i>Accredited private hospitals</i> | | | | | | | | | |
| – Very satisfied | 50.7 | 37.6 | 34.0 | 26.4 | 29.7 | 24.9 | 32.5 | 39.1 | 29.2 |
| – Quite satisfied | 44.6 | 53.7 | 54.7 | 69.8 | 63.3 | 72.5 | 66.9 | 29.7 | 67.2 |
| – Very + quite satisfied | 95,3 | 91,3 | 88,7 | 96,2 | 93,0 | 97,4 | 99,4 | 68,8 | 96,4 |
| <i>Private clinics</i> | | | | | | | | | |
| – Very satisfied | 46.7 | 24.9 | 38.2 | 37.3 | 35.7 | 27.1 | 49.9 | 52.5 | 19.4 |
| – Quite satisfied | 49.9 | 57.4 | 52.3 | 54.8 | 50.4 | 43.6 | 41.3 | 44.8 | 73.3 |
| – Very + quite satisfied | 96,6 | 82,3 | 90,5 | 92,1 | 86,1 | 70,7 | 91,2 | 97,3 | 92,7 |

(1) See Part Two/Table 4, p. 107.

Source: survey by *Ermeneta – Studi & Strategie di Sistema*, 2018

- (96.4%) for those living in the South and in the Islands (probably the result of particularly careful choices by patients and their families);
- and finally, for private clinics (upon payment), the best ratings with respect to the sample average (equal to 86.1%) came from respondents in the North-East (91.2%), Central Italy (97.3%), and also the South (92.7%), though they experience a decrease when also considering people who live in the North-West of Italy (70.7%).

1.5. A stable Resource/GDP ratio that shows a phenomenon of underfunding compared to other countries

The National Health Service is therefore committed to ensuring the best possible performance levels of services that often increase from the point of view of their complexity and which garner significantly positive assessments – albeit slow declining over time – by users.

And yet the incidence of public health spending on GDP has tended to decrease over the years. We are witnessing a process that has increased over time as a result of the impact of the long economic crisis, along with the consequent effort to control and reduce public spending. A comparison with other countries (see Table 11) shows how the Italian public health expenditure still stood at 7.2% of GDP in 2010 (with the crisis already started), but then remained stable at 6.8 % between 2011 and 2014, and then decreased further to 6.7% in 2015 and 2016. The trend of this data shows not only a reduction in the incidence of such spending on GDP, but it is necessarily calculated on the latter which, however, was in decline throughout 2013: the result is that we find ourselves dealing with a dual crunch compared to other countries, deriving from a lesser impact on national wealth but also from a decreasing denominator, upon which the percentage in question is calculated.

On the contrary, the OECD countries are characterized by consistently better values than Italy. In fact:

- the OECD average remained higher than 7% in the years considered: it was 7.5% in 2010 and then decreased slightly over time to stabilize at 7.2% for the European OECD countries and even up to 7.6% % for the average of the total OECD countries (which in turn have shown a faster and more intense recovery compared to Italy);
- other neighboring countries, such as Germany and France, already exceeded 8% of GDP in 2010 (8.6% for the former and 8.7% for the latter) and even more than 9% were positioned in 2016 (9.4% for Germany – which had already reached 9.0% in 2012 – and 9.6% for France).

Furthermore, an even more disparate situation can be observed between Italy and the other OECD members if we consider the trend in total health care spending (see the second part of Table 11). In fact, this expenditure amounted to 9.7% of GDP for all European OECD countries in 2010, remained steadily above 9% even during the crisis, and stood at 9.4% in 2016. And even the total of the OECD countries was higher, reaching 10.0% in 2010 and then coming to rest at 9.8% between 2012 and 2016.

Table 11 – Amount of total healthcare expenditure and public healthcare spending in relation to the GDP

| % Values | Public healthcare expenditure | | | | | | |
|--|-------------------------------|------------|------------|------------|-------------------|-------------------|-------------------|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| United States | 7.9 | 7.9 | 7.9 | 8.0 | 13.4 ¹ | 13.8 ¹ | 14.0 ¹ |
| Japan | 7.8 | 8.2 | 9.4 | 9.1 | 9.1 | 9.1 | 9.1 |
| Germany | 8.6 | 8.1 | 9.0 | 9.2 | 9.2 | 9.3 | 9.4 |
| France | 8.7 | 8.4 | 8.5 | 8.6 | 8.9 | 8.8 | 9.6 |
| Italy | 7.2 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 |
| United Kingdom | - | 7.4 | 6.9 | 7.8 | 7.7 | 7.8 | 7.8 |
| Canada | 7.4 | 7.2 | 7.2 | 7.1 | 7.0 | 7.3 | 7.4 |
| Average of G7 countries (*) | 7.9 | 7.7 | 8.0 | 8.1 | 8.9 | 9.0 | 9.1 |
| Average of European OECD countries (*) | 7.5 | 7.1 | 7.3 | 7.2 | 7.2 | 7.1 | 7.2 |
| Average of all OECD countries (*) | 7.5 | 7.2 | 7.3 | 7.3 | 7.3 | 7.5 | 7.6 |

| % Values | Total healthcare expenditure | | | | | | |
|--|------------------------------|------------|------------|------------|------------|------------|------------|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| United States | 16.4 | 16.4 | 16.4 | 16.3 | 16.5 | 16.8 | 17.1 |
| Japan | 9.5 | 10.0 | 11.2 | 10.8 | 10.8 | 10.9 | 10.8 |
| Germany | 11.2 | 10.7 | 10.8 | 11.0 | 11.0 | 11.1 | 11.1 |
| France | 11.1 | 10.7 | 10.8 | 10.9 | 11.6 | 11.5 | 11.5 |
| Italy | 8.9 | 8.8 | 8.8 | 9.0 | 9.0 | 9.0 | 8.9 |
| United Kingdom | 8.9 | 8.5 | 8.5 | 9.9 | 9.7 | 9.8 | 9.8 |
| Canada | 10.5 | 10.3 | 10.3 | 10.1 | 10.0 | 10.4 | 10.5 |
| Average of G7 countries (*) | 10.9 | 10.8 | 11.0 | 11.1 | 11.2 | 11.4 | 11.4 |
| Average of European OECD countries (*) | 9.7 | 9.2 | 9.4 | 9.5 | 9.4 | 9.3 | 9.4 |
| Average of all OECD countries (*) | 10.0 | 9.6 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |

(*) Averages are calculated as unweighted arithmetic means.

(1) As regards the radical upward trend starting from 2014 relating to the incidence of public health expenditure with respect to GDP, in the case of the United States, a clarification was requested from the OECD which specified the following:

In fact, the main distinction is between “mandatory coverage” and “voluntary coverage” in the amount of financing of health expenditure in the OECD. In the past, “mandatory” and “public” were considered synonymous and in many countries both amount to the same figure.

The reasons for the change in the incidence of spending in the United States, which actually starts from 2014 onwards, are due to the methods for classifying health expenditure begun in that period. There is a “personal mandate”, according to US law, according to which an individual is obliged to have health insurance. Therefore, while this insurance is often individual or business insurance, in fact it is classified as “mandatory” and therefore assimilated to “public” insurance.

It should be kept in mind that a better indication of “public/private” health care funding can be seen by taking into account the contribution mechanisms, in which case the government transfers of social contributions would represent 8-9% of GDP (consistent with the trend that emerges in the first row of Table 11).

Beside the comments provided by the OECD, it can be observed that the relative incongruity of the percentages exposed is noticeable since it is known that in the United States a large part of the health coverage is still charged to the private sector, while the percentages of health care expenditure defined as “public”, shown in Table 11, tends to (improperly) approximate total health care spending.

Source: *Ermenzia processing of “OECD Health Data 2017”, OECD, Paris, October 2017*

On the other hand, Italy's total health care expenditure incidence on the GDP was 8.9% in 2010, with a subsequent fluctuation around this value between the years 2011 and 2016, when it was once again 8.9%: but take into account that Germany and France outdistanced us significantly, given that the incidence on GDP was 11.2% and 11.1% in 2010, respectively, stood at 10.7% and 10.8% in 2011 and 2012 and then rose again in 2016 to 11.1% for Germany and 11.5% for France.

The situation is therefore largely unfavorable for us due to the reasons mentioned above, not only because of the divergence of the incidence of total health expenditure on the GDP but also for the stronger and earlier recovery of the other countries compared to Italy.

If we then look at the trend in health and hospital spending at the national level in Italy based on more detailed data (see Tables 12 and 13), it is possible to see how in the period 2010-2016:

- total public healthcare spending at current prices increased by 2.2%, but at constant prices it actually fell by 4.8%;
- total public hospital spending at current prices increased a little more than total public health care spending, which was 4.3% (compared to the 2.2% previously mentioned), but also in this case the increase at constant prices ended up with a decrease of 2.8% over six years;
- in the period 2010-2016, total accredited private hospitals spending fell by 4.1% at current prices, but 10.6% at constant prices;
- and finally, hospital spending specifically dedicated to private facilities (accredited healthcare facilities) actually decreased at current prices, over the course of six years, by 2.0%, which however becomes 8.6% at constant prices.

It should be recalled that this last type of hospital facility (accredited healthcare facilities) must be compared with the different Regional Health Systems which, faced with the difficulty of intervening in terms of rationalizing spending and even more on the organization and efficiency of the services, ends up trying to reduce the cost and the services provided by these facilities, using extremely different methods and gradually consolidating them over time. Finally, Table 14 below shows that this can be done by the Regions:

- using the “ceiling” system for services: this occurred in 95% of cases in 2018, which actually includes 100% for hospitalization services and 88.9% for outpatient services;
- by applying, in the event of exceeding the “ceiling”, a tariff regression that seems to have regained strength in the last three years: this occurred in 38% of cases in 2018, compared to 32% in 2017, and 24% in 2016;

- by delaying invoice payments in 39% of cases in 2018 (but with a slight decrease of this delay over time), by as much as 4.0 months;
- but paying the Centers a monthly amount, a solution that now involves about 70% of the Regional institutions during the last four years indicated in Table 14 (and this amount is now seen to exceed 80%, again in the last four years);
- and resorting – when appropriate – to a system of factoring in order to be able to guarantee certain payments on time: but this has been done for a couple of years only in 20% or a little less of the cases.

Table 12 – Current health spending: 2010-2014 (in billions of Euros + I.N.: 2010 = 100.0)

| | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|--|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|
| | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. |
| Public hospital facilities | 52.333 | 100.0 | 52.892 | 101.1 | 53.074 | 101.4 | 52.244 | 99.8 | 52.744 | 100.8 | 53.847 | 102.9 | 54.566 | 104.3 |
| Accredited hospitals incl.: priv. hosp. (accredited healthcare facilities) | 8.849 | 100.0 | 8.641 | 97.6 | 8.659 | 97.9 | 8.255 | 93.3 | 8.425 | 95.2 | 8.466 | 95.7 | 8.484 | 95.9 |
| Total public hospital expenditure | 4.439 | 100.0 | 4.465 | 100.6 | 4.471 | 100.7 | 4.263 | 96.0 | 4.289 | 96.6 | 4.335 | 97.7 | 4.351 | 98.0 |
| Other expenditure features | 61.182 | 100.0 | 61.533 | 100.6 | 61.733 | 100.9 | 60.499 | 98.9 | 61.169 | 100.0 | 62.313 | 101.8 | 63.050 | 103.1 |
| Total public healthcare expenditure | 50.149 | 100.0 | 51.276 | 102.2 | 51.950 | 103.6 | 51.185 | 102.1 | 51.504 | 102.7 | 50.354 | 100.4 | 50.681 | 101.1 |
| | 111.331 | 100.0 | 112.809 | 101.3 | 113.683 | 102.1 | 111.684 | 100.3 | 112.673 | 101.2 | 112.667 | 101.2 | 113.731 | 102.2 |

(*) In the “General Report on Italy’s economic situation” (RGE), in 2012, there was a further update of the time series data on spending, but this series however experienced a break due to the uncertainty of the continuity of its publication by the RGE in the future. For 2013, 2014 and 2015 the expenditure figures were taken from the 2015, 2016 and 2017 Report on the coordination of public finance by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Source: data processed by *Ermeneta* from the “General Report on Italy’s economic situation”, 2012, Vol. II, from the 2015, 2016 and 2017 “Report on the coordination of public finance” by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Table 13 – Health spending at constant prices (*) 2010-2014 (in billions of Euros + I.N.: 2010 = 100.0)

| | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|--|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|
| | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. | In billions of euro | I.N. |
| Public hospital facilities | 52.333 | 100.0 | 52.127 | 99.6 | 51.594 | 98.6 | 50.179 | 95.9 | 50.178 | 95.9 | 50.754 | 97.0 | 50.861 | 97.2 |
| Accredited hospitals incl.: priv. hosp. (accredited healthcare facilities) | 8.849 | 100.0 | 8.516 | 96.2 | 8.418 | 95.1 | 7.929 | 89.6 | 8.015 | 90.6 | 7.980 | 90.2 | 7.908 | 89.4 |
| Total public hospital expenditure | 61.182 | 100.0 | 60.643 | 99.1 | 60.011 | 98.1 | 58.108 | 95.0 | 58.193 | 95.1 | 58.734 | 96.0 | 58.769 | 96.1 |
| Other expenditure features | 50.149 | 100.0 | 50.534 | 100.8 | 50.501 | 100.7 | 49.162 | 98.0 | 48.998 | 97.7 | 47.461 | 94.6 | 47.240 | 94.2 |
| Total public healthcare expenditure | 111.331 | 100.0 | 111.176 | 99.9 | 110.513 | 99.3 | 107.269 | 96.4 | 107.191 | 96.3 | 106.195 | 95.4 | 106.009 | 95.2 |

(*) GDP deflator calculated on the basis of the new ISTAT series in a chained series with reference to 2010.

Source: data processed by Ermeneta from the "General Report on Italy's economic situation", 2012, Vol. II, from the 2015, 2016 and 2017 "Report on the coordination of public finance" by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Table 14 – The change in the method of financial charges and settlement of debts of the private hospitals (accredited healthcare facilities)^(a)

| Mechanisms | % of total cases examined | | | | | | | | | | | |
|---|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
| - The system of “ceilings” has been applied to services in the past twelve months | 95% ^(b) | 90% | 89% | 83% | 95% | 100% | 95% | 94% | 94% | 84% | 100% | 100% |
| - A regression rate was applied in the event of overshooting the “ceilings” | 38% | 32% | 24% | 32% | 35% | 50% | 41% | 50% | 50% | 56% | 72% | 70% |
| - Average regression applied compared to the full price | 25% | 42% | 27% | 44% | 39% | 43% | 51% | 35% | 40% | 45% | 44% | 52% |
| - Payments for bills are delayed | 39% | 39% | 39% | 50% | 52% | 61% | 68% | 72% | 75% | 79% | 77% | 90% |
| - Average delay in months | 4.0 | 4.6 | 4.4 | 4.7 | 10.9 | 12.5 | 6.0 | 6.9 | 11.8 | 11.6 | 8.0 | 7.3 |
| - A monthly payment is made on the invoices of private hospitals (accredited healthcare facilities) | 71% ^(c) | 78% | 72% | 70% | 86% | 75% | 63% | 78% | 83% | 83% | 72% | 70% |
| - Average size of the payment compared to the invoice | 86% | 87% | 88% | 84% | 69% | 79% | 84% | 79% | 80% | 75% | 70% | 77% |
| - A factoring system was applied to ensure payments and due dates | 18% | 21% | 33% | 30% | 35% | 40% | 37% | 17% | 18% | 11% | 12% | 26% |

(a) As with every year, a special survey of privileged witnesses was conducted at the level of the individual Italian Regions. This panel is composed of the AIOP Regional Presidents, who annually respond to a detailed quantitative/qualitative questionnaire.

(b) In 2018 it was actually 100.0% for admission services and 88.9% for outpatient services.

(c) The advance is paid, but not regularly, for 40% of cases in 2007, 39% of cases in 2008 and 2009, 41.2% of cases in 2010, 44.5% in 2011, 15.8% in 2012, 25% in 2013, 29% in 2014, 25% in 2015, 27.8% in 2016, 27.8% again in 2017 and, finally, 11.8% in 2018.

Source: survey by *Ermeneta – Studi & Strategie di Sistema, 2018*

2. The “funnel” of the waiting lists

2.1. A phenomenon of large numbers and of medium-long waits

Over the last twelve months 30.7% of the adult Italian population has been placed on waiting lists for access to services provided by the local health authorities, such as laboratory tests, diagnostic exams (X-Ray, CAT, Magnetic Resonance, etc.), specialist visits or small outpatient procedures: this translates to 15.6 million people who have had a single experience (15.3%), or another 15.4% who have had 2 or more experiences (see the first part of Table 15).

Here below are the reasons for the use of services by the aforementioned 15.6 million people, according to the statements of the respondents¹:

- 17.4% due to the need for a service related to a serious illness and/or procedure;
- 63.8% due to the need for a service related to a mild illness and/or procedure;
- 9.9% due to the need for a service related to a mild illness and/or procedure that then became serious;
- and the remaining 8.9% gave no specific indication as to their need.

The type of service most used was diagnostic tests (42.1%), followed by specialist visits (34.1%), laboratory tests (16.1%), and small outpatient procedures (6.4%).

The length of the wait for about 1/3 of the services relating to specialist visits and small outpatient procedures was from over 60 days up to 120 days and even more: the longer wait was experienced by 17.7% of respondents in the first case and 11.2% in the second case.

¹ See Part Three/Table 2, p. 151.

Table 15 – An experience that, over the last 12 months, has affected almost 4 out of 10 adults (% val.)

| <i>Phenomena</i> | <i>Data</i> | | | |
|--|-------------|------------|-------------|---------------------------|
| WAITING LISTS FOR ASL SERVICES | | | | |
| – Percentage incidence on the adult population of people with one or more experiences of waiting lists for access to ASL services (laboratory tests, diagnostic tests, specialist visits and/or small outpatient procedures) ¹ , of which: | | | | |
| ▪ 1 single experience | → 30 days | 30-60 days | 60-120 days | 30.7 (equal to 15.6 mil.) |
| ▪ 2 or more experiences | 57.3 | 20.0 | 22.7 | 15.3 (equal to 7.8 mil.) |
| – Percentage incidence on the total number of people on waiting lists for ASL services, with a wait of up to 30 days, over 30 and up to 60 days and over 60 and up to 120 days and more ² : | 41.8 | 22.6 | 35.6 | 15.4 (equal to 7.8 mil.) |
| ▪ For diagnostic tests, such as X-Ray, CAT, Magnetic Resonance, etc. (1st place: 42.1%) | 90.2 | 6.7 | 3.1 | |
| ▪ For specialist visits (2nd place: 34.1%) | 60.3 | 8.6 | 31.1 | |
| ▪ For laboratory tests (3rd place: 16.1%) | | | | |
| ▪ For small outpatient procedures (4th place: 6.4%) | | | | |
| – Behaviors adopted by people who were on waiting lists for access to ASL services ³ : | | | | |
| ▪ Awaited their turn | | | | <i>Total</i> |
| ▪ Resorted to other behaviors (recourse to other public hospitals, accredited private hospitals or private clinics with shorter waiting lists or paid private services) | | | | 69.4 |
| | | | | 30.6 |
| WAITING LISTS FOR HOSPITAL ADMISSION | | | | |
| – Percentage incidence on the adult population of people who had one or more experiences with waiting lists for access to hospital admissions ⁴ , of which: | | | | |
| ▪ 1 single experience | | | | 8.0 (equal to 4.0 mil.) |
| ▪ 2 or more experiences | | | | 6.2 (equal to 3.1 mil.) |
| – Percentage incidence on the adult population of people who had one or more experiences with waiting lists for access to hospital admissions lasting up to 30 days, over 30 and up to 60 days, and over 60 and up to 120 days and more, according to the facilities used ⁵ : | | | | 1.8 (equal to 910,000) |
| ▪ Public hospital facilities | | | | |
| ▪ Accredited private facilities | | | | |
| ▪ (Upon payment) Private clinics | | | | |
| | | | | |
| – Percentage incidence on the adult population of people who experienced waiting lists for access to hospital admissions lasting from 10-60 days, and up to 60-120 days and more, according to the facilities used ⁶ : | | | | |
| ▪ Public hospital facilities | | | | |
| ▪ Accredited private facilities | | | | |
| | | | | |

(Continued) *Table 15 – An experience that, over the last 12 months, has affected almost 4 out of 10 adults (% val.)*

| <i>Phenomena</i> | <i>Data</i> | | <i>Total</i> |
|---|--------------------------|-------------------------------|--------------------------|
| Behaviors adopted by people who were placed on waiting lists for hospital admission ⁷ : | | | |
| ▪ Patiently awaited their turn | | | 68.9 |
| ▪ Other types of behaviors adopted (recourse to other public hospitals, accredited private hospitals, facilities outside the Region, etc.) | | | 31.1 |
| MULTIPLE EXPERIENCES WITH WAITING LISTS AND CONSEQUENCES ON POSTPONEMENT AND FORGOING OF CARE | | | |
| – Percentage incidence on the total number of people who, having experienced one or more waiting lists for ASL services, were also placed on the waiting list for hospital admissions ⁸ | | | 20.3 (equal to 3.2 mil.) |
| – Percentage incidence on people who, having had one or more experiences with waiting lists for hospital admissions, also experienced waiting lists for ASL services ⁹ | | | 77.0 (equal to 3.1 mil.) |
| – Percentage incidence on the people who, having had one or more experiences with waiting lists for ASL services and/or hospital admissions, also had one or more ER experiences ¹⁰ , of which | | | |
| ▪ In public hospitals | <i>ASL waiting lists</i> | <i>Hospital waiting lists</i> | |
| ▪ In public hospitals + Accredited private hospitals + Private clinics | 36.7 (5.7 mil.) | 44.0 (1.8 mil.) | |
| – Priority importance of the length of waiting lists to the effects of postponement and/or forgoing of treatment, according to caregivers ¹¹ | 48.5 (7.6 mil.) | 76.0 (3.0 mil.) | |
| | 2017 | 2018 | |
| ▪ Waiting lists for services are too lengthy | 2° (47.6) | 1° (51.7) | |
| ▪ Family financial difficulties (to pay for co-payment charges, access, services, etc.) | 1° (48.8) | 2° (30.0) | |
| ▪ Bureaucratic difficulties in gaining access to services | 3° (16.1) | 3° (19.2) | |
| ▪ The reduction of treatments (and services) offered to patients | 4° (14.0) | 4° (16.1) | |
| ▪ The deterioration of treatments (and services) offered to patients | 5° (10.0) | 5° (13.1) | |

(1) See Part Three/Table 1, p. 150.

(2) See Part Three/Table 3, p. 152 and Table 5, p. 156.

(3) See Part Three/Table 6, p. 157.

(4) See Part Three/Table 7, p. 159.

(5) See Part Three/Table 8, p. 160.

(6) See Part Three/Table 9, p. 161.

(7) See Part Three/Table 10, p. 163.

(8) See Table A7/“Enhanced” Sample of the Statistical Appendix, p. 409 (20.3% was calculated out of the EUR 15.6 million, cited in the first group of data in this Table).

(9) See Table A7/“Enhanced” Sample of the Statistical Appendix, p. 404 (77.0% was calculated out of the EUR 4.0 million, cited in the fourth group of data in this Table).

(10) See Part Three/Table 19, p. 182 (and related comment in section 1.5).

(11) See Part Three/Table 43, p. 231 (multiple choices: average 1.3 per respondent).

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

Survey respondents in the South declare relatively longer waits compared to the sample average, for specialist visits (up to 60 days), for small outpatient procedures (up to 30 days), and for diagnostic tests (even more than 120 days)².

As for the reactions of patients, 69.4% of those on the waiting list duly waited their turn: whether the wait was a short, medium or long one. The remaining 30.6% resorted to other behaviors, such as making use of the services of other public or accredited private facilities or (paid) *intramoenia* services at public hospitals or through private professionals.

Similar to the waiting lists for ASL services are those relating to access to hospital admissions (see the second part of Table 15). And in this regard, once again over the last twelve months, 8.0% of the Italian adult population, or 4.0 million people, experienced this type of wait: 6.2% on one occasion and a further 1.8% two or more times.

As regards the type of hospitals for which the wait for access occurred, public facilities were more involved, due to their greater number of admissions (66.0%, of which 38.2% for serious treatment and/or procedures and 27.8% for mild ones).

However, there were also waiting lists for access to accredited private hospitals in 18.3% of cases (of which 11.6% for serious treatment/procedures and 6.7% for mild ones), as well as for paid access to private clinics for 15.7% of the persons involved in the survey (of which 13.1% for serious treatment/procedures) and 2.6% for mild treatment and procedures).

As regard the wait for admission to hospital facilities, it can be seen that the longer waits (over 60 days and up to 120 days or more) relate to public facilities (15.0% for serious treatment/procedures, which increased to 22.3% for mild treatment and procedures), followed, with a decidedly lower incidence, by accredited private facilities.

If we then take into account the behaviors adopted by people who were on admissions waiting lists, we can see a reaction similar to the one referred to above with regard to the behavior for access to ASL services: in fact, even in the case of hospitals, 68.9% of respondents patiently waited their turn (69.4% for ASL services), compared to 31.1%, who resorted to other means (30.6% for ASL services).

In the latter case, people went to accredited private hospitals or other public hospitals with shorter waiting periods or, sometimes, even to facilities outside the Region. Use was also made of specialist *intramoenia* services (for a fee) within public hospitals, hoping to shorten the waiting time for

² See Table D15/“Enhanced” Sample of the Statistical Appendix, pp. 413-414.

admission to the hospital in which the trusted doctor was working, or else resorting to completely private facilities.

Finally, we tried to understand how many people may have experienced several types of waiting at the same time (see the last group of data in Table 15), a phenomenon that is anything but marginal. More precisely:

- there are cases of people who, having been placed on one or more waiting lists for ASL services, were also placed on those for access to hospital admission: this was true for 3.2 million people, or 20.3% of those who also had to wait their turn for local medical services (the multiplicity of experiences may have manifested itself with a different type of sequence: first for the ASL services and then for hospital admission or vice versa);
- and then there are also the opposite cases, concerning those subjects who, having had one or more experiences with waiting lists for hospital admission, have also had to wait for ASL services: this was true for 3.1 million people, or 77.0% of those who were placed on the waiting list for admissions (it is clear that also in this case the multiplicity of experiences may have occurred before or after hospital admission);
- and finally, there are the cases in which respondents had one or more experiences with waiting lists for ASL services and/or for hospital admission and also had one or more Emergency Room experiences: this was true for 36.7% of those who waited for ASL services (5.7 million people) and 44.0% of those who were waiting for hospital admission (1.8 million people).

Naturally, these values would further increase if we took into account the experiences not only with public hospitals but also with accredited private hospitals, and with private clinics (upon payment).

But having experiences (perhaps multiple) with excessively lengthy waiting lists can also lead to behaviors involving the postponement and/or forgoing of care as shown by the last group of data in Table 15. On the contrary, the aforementioned experiences constitute precisely the most important reason (and growing compared to 2017) for the postponing/forgoing phenomena: 1st place, with 51.7% in agreement, followed by financial difficulties (2nd place and no longer 1st as it was in 2017, with a lower intensity of responses equal to 30.0%), and then bureaucratic difficulties associated with access to services (3rd place, with 19.2%), the decrease in services (4th place, with 16.1%), and finally, the deterioration in quality of the services (5th place, with 13.1%).

2.2. A critical evaluation by one in three people

First of all, the opinions of relatively satisfied/dissatisfied expressed by the respondents were taken into consideration with respect to the health and social assistance services of their Region of residence, followed by the assessments in terms of improvement/deterioration of the ASL services and hospital admissions and finally the proposals for possible improvement of the management of waiting lists (see Table 16).

The positive opinions (“very + fairly satisfied”), expressed with respect to the health and social assistance services of the Region of residence, range from a maximum of 63.5% for the local health authorities, to 59.5% for public hospitals and 53.8% for accredited private hospitals, and finally, decreased to 36.5% for private clinics (upon payment).

If we then look at critical opinions (“slightly + not at all satisfied”) the most problematic positioning concerns mainly public hospitals (with 32.6%), followed by local-health-authority services (28.6%) and, at a distance, services provided by accredited private hospitals (18.3%), and then, those by private clinics (upon payment) (14.3%).

If we then move from a “static” opinion to a “dynamic” opinion concerning the improvement/deterioration of territorial and hospital services by those who have had one or more experiences with them, we can see how:

- the positive opinions (“greatly + fairly improved”) place the services of accredited private hospitals (50.9%) and those of private clinics (upon payment) (52.6%) in first place, while the ASL services fell below 50% (41.4% for the directly managed polyclinics and 47.7% for those affiliated), but above all the services for public hospitals seem to report the slightest improvements (37.2%);
- on the other hand, the negative opinions (“slightly + much worse”) were 16.7% for public hospitals services and 15.7% for ASL services, while assessments concerning accredited private facilities were lower, whether for private centers affiliated with the local health authorities (7.8%), accredited private hospitals (11.9%) or the private clinics (upon payment) (7.1%).

Finally, we also wanted to get the opinion of the respondents about some proposals aimed at improving the management of waiting lists, again taking into account what was expressed by people who had actually had one or more experiences with them over the last twelve months and had consistently expressed an opinion of (“strongly + somewhat agree”). As can be seen from the data, most of the respondents’ agree more than 80% of the time to proposals regarding:

Table 16 – Critical evaluations made, mostly, towards public health services by people who had one or more waiting list experiences in the last twelve months (% val.)

| Phenomena | Data | | |
|--|------------------------|---------------------------------|---------------------------------|
| | Very + Quite satisfied | Slightly + Not at all satisfied | I can't make a judgement |
| – Satisfied/dissatisfied opinion for the health and social assistance services of the Region of residence by people who had a waiting list and/or Emergency Room experience ¹ : | | | |
| ▪ Services of the ASL facilities (Polyclinics, etc.) | 63.5 | 28.6 | 7.9 |
| ▪ Services of private centers affiliated with the ASL (Polyclinics, etc.) | 63.0 | 19.7 | 17.3 |
| ▪ Public hospital services | 59.5 | 32.6 | 7.9 |
| ▪ Services of accredited private hospitals | 53.8 | 18.3 | 27.9 |
| ▪ Paid private clinic services | 36.5 | 14.3 | 49.2 |
| – Opinion regarding the improvement/deterioration of territorial services and hospital admissions by people who had a waiting list and/or emergency room experience in the last twelve months ² : | | | |
| ▪ Services of the ASL facilities (Polyclinics, etc.) | 41.4 | 39.5 | 15.7 |
| ▪ Services of private centers affiliated with the ASL (Polyclinics, etc.) | 47.7 | 41.8 | 7.8 |
| ▪ Public hospital services | 37.2 | 41.8 | 16.7 |
| ▪ Services of accredited private hospitals | 50.9 | 34.3 | 11.9 |
| ▪ Paid private clinic services | 52.6 | 34.1 | 7.1 |
| – Proposals to improve the management of waiting lists by respondents who actually had one or more experiences with them during the last twelve months (“Strongly + somewhat agree” opinions) ³ : | | | |
| ▪ Increase the daily/weekly time for the use of technical equipment and the use of operators | | In public hospitals | In accredited private hospitals |
| | | 83.8 | 82.6 |
| ▪ Guarantee truly urgent services, with respect to the expected waiting times | | 83.6 | 85.2 |
| ▪ Use other public hospitals in the area (within acceptable distances) to reduce waiting times | | 81.0 | 81.4 |
| ▪ Change the co-payment amount to better reflect the demand for services by patients (mandatory minimum co-pay charge of EUR 10/20 also from those who are presently exempt) | | | 53.4 |

(1) See Part Three/Table 17, p. 177.

(2) See Part Three/Table 18, p. 179.

(3) See Part Three/Table 11, p. 166.

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

- to increase service hours and the daily/weekly time for the use of technical equipment and the use of operators;
- and to guarantee truly urgent services, with respect to the expected waiting times;
- and finally – and this is a major theme – to use other public hospitals in the area (within acceptable distances) to reduce waiting times;
- while there was less agreement, though certainly not marginal, with the proposal to increase co-payment charges in order to better reflect the demand for services by patients (53.4%).

It should also be added that the differences in the opinions expressed by people residing in the various geographical areas show less (slight) agreement in the Center-South compared to the rest of the country, while this agreement tends to increase for people residing in smaller towns, where the supply of services is obviously more limited, or for people with a medium or medium-high education level and social status³.

³ See Table D11/“Enhanced” Sample of the Statistical Appendix, p. 411.

3. A second “funnel” in the form of Emergency Room services

3.1. Access (even multiple) involving almost one in three adult citizens

Over the last twelve months, experiences with the Emergency Room in public hospitals (which provides the largest share of emergency services) involved 21.4% of the adult Italian population, which corresponds to 10.8 million people, who used this service one or more times (see the first data group of Table 17). To this large component is added the access made in accredited private hospitals (4.1%) and private clinics (3.2%), for a further 3.7 million people.

Therefore, there is a total of 14.5 million adults who have one or more Emergency Room experiences, though it should be stressed that the respondents may sometimes have also used hospitals other than public ones (though in modest percentages). This value is almost double compared to the 7.8 million hospital admissions annually¹. But to the 14.5 million adult subjects we must also add the estimate of minors who have also had one or more accesses to the Emergency Room on an annual basis (about 1.0 million units)², thus making 15.5 million people involved as patients. To these may be added the carers, who may be more than conservatively estimated at in 10.3 million for

¹ Source: Ministry of Health, Year 2016 (latest available data, inclusive of all types and categories of admission).

² The incidence of access to the Pediatric Emergency Department was calculated on the total access to the Emergency Room which was equal to 8.5% (with reference to 2015, last year available), resulting in 1,232,000 units, rounded to 1 million, to take into account potentially multiple accesses.

Table 17 – An experience had by almost 1/3 of the Italian adult population over the last 12 months (% val)

| Phenomena | Data |
|---|----------------------|
| ACCESS TO THE EMERGENCY ROOM | |
| – Percentage incidence of people who actually had access to the Emergency Room one or more times on the total adult population, according to the type of hospital used ¹ : | |
| ▪ Public hospitals (4.7% once and 6.7% two or more times) | 21.4 (10.8 millions) |
| ▪ Accredited private hospitals (2.5% once and 1.6% two or more times) | 4.1 (2.1 millions) |
| ▪ (Upon payment) Private clinic (1.9% once and 1.3% two or more times) | 3.2 (1.6 millions) |
| – Reasons for latest access to the Emergency Room by the sub-sample of the population that had this experience ² : | |
| ▪ Very serious reason | 16.3 |
| ▪ Fairly serious reason | 44.3 |
| ▪ For “security” in relation to an apparently non-serious inconvenience | 28.2 |
| ▪ Organizational in nature (did not know where to go, the general practitioner was unavailable, it was late, or services were not available on weekends, etc.) | 6.9 |
| ▪ Other | 4.3 |
| Total | 100.0 |
| – Criteria for selecting the hospital in which the Emergency Room for the latest visit over the last twelve months ³ : | |
| ▪ The nearest hospital was chosen | 70.4 |
| ▪ The most important hospital was chosen, even if not as close | 11.6 |
| ▪ Went to multiple hospitals because the wait was too long | 7.7 |
| ▪ Not possible to choose as it was decided by the 118 emergency service we used | 6.5 |
| ▪ Other | 3.8 |
| Total | 100.0 |
| – How the patient made the latest access to the Emergency Room over the last twelve months ⁴ | |
| ▪ Accompanied by a family member or relative | 64.2 |
| ▪ Accompanied by the emergency service (118) | 11.8 |
| ▪ Accompanied by friends/acquaintances, work colleagues, or neighbors | 6.6 |
| ▪ Accompanied by operators of the facility in which they were at that time (another hospital, assisted living home, etc.) | 0.3 |
| ▪ Went there alone | 15.8 |
| ▪ Other | 1.3 |
| Total | 100.0 |

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(Continued) Table 17 – An experience had by almost 1/3 of the Italian adult population over the last 12 months (% val.)

| <i>Phenomena</i> | <i>Data</i> | |
|---|--------------------------------------|--|
| ACCESS TO THE EMERGENCY ROOM | | |
| Code assigned on latest visit in the last twelve months ⁵ : | | |
| ▪ White | | 15.0 |
| ▪ Green | | 36.5 |
| ▪ Yellow | | 27.6 |
| ▪ Red | | 4.0 |
| ▪ Do not remember | | 16.9 |
| Total | | 100.0 |
| Person who assigned the Emergency Code when making latest access to the Emergency Room ⁶ : | | |
| ▪ A doctor who briefly visited the person | | 24.4 |
| ▪ A nurse who verified the need for Emergency Room access | | 39.9 |
| ▪ A hospital employee who assigned the Code over the counter | | 17.8 |
| ▪ Others | | 0.8 |
| ▪ Do not remember | | 17.1 |
| Total | | 100.0 |
| Waiting time upon latest visit to the Emergency Room during the last twelve months ⁷ : | | |
| ▪ Up to 1 hour | Before being visited | To complete any additional exams necessary |
| ▪ Over 1 hour and up to 3 hours | 50.9 } 79.3 | 26.0 } 55.8 |
| ▪ Over 3 hours and up to 5 hours | 28.4 | 29.8 |
| ▪ Over 5 hours and over 10 hours (including night) | 13.3 } 20.7 | 18.6 } 39.5 |
| ▪ No additional exams were necessary | 7.4 | 20.9 |
| Total | - | 4.7 |
| | 100.0 | 100.0 |
| Difficulties (if any) encountered in meeting needs upon latest visit to the Emergency Room ⁸ : | | |
| ▪ Need to wash | It was possible but difficult | It was not possible |
| ▪ Need to stretch out | 32.1 | 29.0 |
| ▪ Need to drink/refresh oneself | 19.1 | 21.0 |
| ▪ Need to use the toilet | 20.9 | 12.5 |
| ▪ Need to sit down | 14.2 | 5.0 |
| Total | 14.5 | 3.8 |
| Adequacy/inadequacy of information received while at the Emergency Room ⁹ | | |
| ▪ Information on waiting times for visits | Adequate | Not adequate |
| ▪ Diagnosis information | | 50.1 |
| ▪ Information on the results of any laboratory tests, diagnostic tests, emergency visits and/or care | | 77.2 |
| ▪ Information on the eventual need for admission | | 67.5 |
| Total | | 48.5 |
| (1) See Part Three/Table 20, p. 184. | (7) See Part Three/Table 27, p. 196. | |
| (2) See Part Three/Table 22, p. 188. | (8) See Part Three/Table 30, p. 202. | |
| (3) See Part Three/Table 24, p. 190. | (9) See Part Three/Table 32, p. 204. | |

Source: survey by *Ermenieva – Studi & Strategie di Sistema, 2018*

adult patients³ and 1.0-2.0 million for persons aged under 18 years of age⁴, this would result in a total of 26.0-28.0 million adults who, over the course of a year have direct or indirect experience with Emergency Room services as carers (equal to 51.0-53.0% of Italian adult citizens or 44.0-46.0% of the entire Italian population). This explains, if only for the quantitative dimensions of the subjects involved, the importance of the ER experience for the life of citizens and for the perception of the services used by them (with the relative projection of this experience on the functioning or – if applicable – on the malfunction of the National Health Service).

As to the reasons for the latest access to the emergency room by the subsample of the population that actually had this experience, these go from reasons considered “very serious” (16.3%) to “fairly serious” (44.3%) and to those to ensure “safety” relating to an apparently non-serious inconvenience (28.2%), and finally, for organizational reasons as it was not known where to go, the general practitioner was not available, services were reduced at weekends, etc. (6.9%) (see second data group of Table 17).

If we then ask look at the criteria adopted for selecting the hospital in which the Emergency Room was located, it is quite logical to report how patients or their families chose the nearest facility (in 70.4% of cases), followed by the most important one, even if not as close, evidently for a sense of increased security for the patient (11.6%). It should not be overlooked that 7.7% of respondents claimed to have gone to multiple hospitals as the wait was too long in the first one they went to, to which is added 6.5% of respondents who made no choice at all since the emergency service (no. 118) identified the nearest hospital as can be seen in the third data group of Table 17.

It is also clear to see how the patient was brought to the Emergency Room, in a little less than 2/3 of the cases (64.2%), this was by a family member or relative, which is followed – in order of priority – by the 118 emergency service (11.8%).

But if we go from the phase of access to the stay in the Emergency Room, we can see how (see first two groups of data/second part of Table 17):

a) most of the Codes assigned were Green (36.5%), followed by Yellow (27.6%), then White (15.0%), and finally – naturally much less frequently – by Red (4.0%): moreover, it should also be noted that, for the overall average of the sample, the White and Green Codes were proportionally

³ Taking into account the Emergency Room survey in Part Three/Table 23, in which the respondents said they were accompanied by family, relatives, friends, work colleagues, in 70.8% of cases.

⁴ In this case the scenario, again conservatively, envisaged accompaniment by one adult (and thus equal to 1 million units) or two adults (2 million units).

assigned more to respondents with a medium and/or high level of education, while the Yellow and Red Codes refer to people with a more modest level of education, confirming the fact that the latter resort to the facilities for really more serious reasons, whereas the former appear to be more “worried”, preferring to go directly to the Emergency Room even for milder inconveniences⁵;

- b) and the assignment of the Emergency Action Code at the time of access passed through the “filter” of a doctor who actually visited the respondent (24.4%) or a nurse who in some way verified the needs of the patient (39.9%): but it should also be noted that in a few cases (17.8%) this happened through a hospital employee who assigned the Code over the counter.

Dealing with the Emergency Room also obviously means having to deal with waiting times, with the needs that the patient presents during such waiting and with any inadequacies of the information received during the time in the facility (see the last three data groups from the second part of Table 17). From this we can see how:

- a) the length of a wait before being visited was up to 1 hour in 50.9% of cases but rose up to 3 hours for 28.4% of respondents: but what is important to underline is that for 20.7 % of the people involved in the survey the wait lasted over 3 hours and up to 5 hours (13.3%) and sometimes more than 5 or even more than 10 hours and, perhaps even the whole night (7.4%);
- b) often there is additional waiting (partly unavoidable) in order to carry out and complete any additional exams deemed necessary, with the consequence of an additional wait of up to 3 hours for 55.8% of the people, but even more than 3 hours for 39.5% (and up to 5 hours for 18.6%), but this could also increase to beyond 5 and up to more than 10 hours for a further 20.9% of respondents (the longest waits, i.e. those that exceeded 5 and went up to more than 10 hours were decidedly more pronounced for people living in the South compared to the rest of the country⁶);
- c) there were difficulties, more or less pronounced, regarding the satisfaction of the needs of the patients during the waiting period and this was true also for very simple needs: it was not possible, for example, to satisfy the need to wash (29.0% of cases), stretch out (21.0%), drink and refresh (12.5%), use the toilet (5.0%), or sit down (3.8%); but if these percentages are also added to those that represent the cases in which it was difficult to

⁵ See Table D25/“Enhanced” Sample of the Statistical Appendix, p. 419.

⁶ See Table D27/“Enhanced” Sample of the Statistical Appendix, p. 421.

satisfy these – even basic – needs, the aforementioned difficulties tend to double or even more as the last column of the fourth data group shows (second section of Table 17): 61.1% for the need to wash, 40.3% to be able to stretch, 33.4% to drink and refresh, 19.2% to use the toilet, and 18.3% to simply sit down (it should be remembered that the difficulty of satisfying these minimal needs is significantly more pronounced in the South compared to the rest of the country, while the absolute impossibility mainly concerns those interviewed in Central Italy and, in a more pronounced manner, those in the South⁷);

- d) and also the information provided gradually to patients and to relative family members may have been only somewhat adequate: the most delicate point seems to be that of information about waiting times to be visited, information that was evaluated as not adequate by 49.9% of the respondents together with that concerning possible hospitalization needs (51.5%), followed by information on the results of any laboratory tests, diagnostic tests, emergency visits and/or care (32.5 %), and finally, information on the diagnosis (22.8%): also in this case it should be emphasized that the inadequacies of the information referred to affect the South more in a more pronounced way than the rest of the country⁸.

3.2. An opinion of dissatisfaction expressed by one person in four

The first three groups of data of Table 18 contain some opinions about experiences with the Emergency Room starting from those that specifically concern the services received, followed by the feeling of having been somewhat “the focus of attention” as patients and therefore from a more general opinion of satisfaction/dissatisfaction regarding the whole experience, but with reference not necessarily to the latest visit to an Emergency Room, but also to other occasions during the last twelve months.

With specific regard to the level of services received, an adequate (total or partial) opinion was returned in 73.2% of cases, while in the remainder (24.4%), the opinions were limited to “sufficient” (16.4%) and/or a decidedly unsatisfactory (8.0%), as shown in the first group of data in Table 18.

However, if we delve a bit deeper, and ask whether the patient felt that he/she was actually the “focus of attention”, the opinions “drop” downwards, with positive responses among 61.0% of the respondents compare to 26.3%

⁷ See Table D30/“Enhanced” Sample of the Statistical Appendix, pp. 423-424.

⁸ See Table D32/“Enhanced” Sample of the Statistical Appendix, pp. 426-427.

that expressed a negative opinion, specifically regarding the public hospital system. The best opinions seem to be those regarding accredited private hospitals (74.0% of positive evaluations compared to 20.8% negative) and, on the contrary, the situation of private clinics seems even more critical, for which, however, the Emergency Room service was a marginal or contingent function (27.2% positive evaluations and 45.2% negative evaluations), as shown in the second data group of Table 18.

When respondents were asked about their level of satisfaction with regard to Emergency Room services, whether these were experienced not only on the latest visit but also several times in multiple hospitals over the last twelve months, the opinions that emerged substantially confirmed the earlier ones, in the sense that “very + quite satisfied” was true for 65.1% while 29.0% were dissatisfied.

In conclusion, therefore, one can see how on average one in four people (or a little more) of those who had one or more Emergency Room experiences expressed a critical opinion, albeit with all the nuances possible.

Regarding the satisfied/dissatisfied opinions, it is particularly important to bear in mind the various assessments provided, taking into account the territorial provenance of the respondents. And in this regard, Table 18 shows that those residing in the Center and South of Italy are relatively more penalized as regards:

- the adequacy of the services obtained after waiting at the Emergency Room: compared to an overall average of dissatisfaction (“sufficient + unsatisfactorily adequate”) by 24.4%, the corresponding value increased to 36.0% for respondents of the South;
- as to whether or not they were the “focus of attention” as patients, limiting themselves to responses for public hospitals and accredited private hospitals (taking into account the limited absolute values of the answers obtained on private clinics): there were negative opinions from 26.3% of those interviewed for public hospitals, but 36.1% of those residing in the South; while the average of negative responses for accredited private hospitals was 20.8% but rose to 36.0% for respondents in Central Italy and 26.8% for those in Southern Italy⁹;
- and finally, the levels of dissatisfaction with the experiences of Emergency Room services in the last twelve months: they were 29.0% on average but rose to 37.9% for those interviewed in the South.

The second part of Table 18 takes into consideration the possible experiences of waiting lists for ASL services or access to hospitals by people who,

⁹ See Table D36/“Enhanced” Sample of the Statistical Appendix, pp. 428-429.

Table 18 – A critical evaluation by people who have resorted to the service in the last year, but also an “alternative” use of the Emergency Room (% val.)

| Phenomena | Data | | | | |
|---|----------------|----------------|--------|----------------------|-------|
| | North- West | North- East | Center | South and Islands | Total |
| EVALUATION OF SERVICES RECEIVED | | | | | |
| Evaluations of the services obtained after the waiting experienced, the last time in the past twelve months, at the Emergency Room ¹ : | | | | | |
| ▪ A completely adequate service | 51.9 | 55.6 | 46.3 | 28.7 | 43.2 |
| ▪ A somewhat adequate service | 28.9 | 26.7 | 32.1 | 31.4 | 30.0 |
| ▪ A sufficient service | 11.4 | 10.8 | 12.0 | 25.2 | 16.4 |
| ▪ An unsatisfactory service | 6.3 | 5.2 | 7.9 | 10.8 | 8.0 |
| ▪ No evaluation because it was not used after too long a wait | 1.5 | 1.7 | 1.7 | 3.9 | 2.4 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Feeling of having actually been the “focus of attention” as patients in the last experience in the past twelve months at the Emergency Room²: | | | | | |
| ▪ Was actually the “focus of attention” as a patient | 29.4 | 61.0 | 30.6 | 74.0 | 13.0 |
| ▪ Was actually the “focus of attention” but only just a little | 31.6 | 43.4 | 43.4 | 14.2 | 27.2 |
| ▪ Was not or almost not the “focus of attention” as a patient + | 15.2 | 17.0 | 17.0 | 27.8 | 27.8 |
| ▪ Was treated inappropriately, although we must take into account the crowded conditions, the long waits, etc. | 11.1 | 26.3 | 3.8 | 20.8 | 17.4 |
| ▪ I do not know how to evaluate this | 12.7 | | 5.2 | | 27.6 |
| Total | 100.0 | | 100.0 | | 100.0 |
| Satisfied/dissatisfied opinions following one or more experiences in the last twelve months with Emergency Room services³: | | | | | |
| ▪ Very satisfied | 9.5 | 16.0 | 7.9 | 7.0 | 9.5 |
| ▪ Quite satisfied | 63.6 | 58.4 | 53.1 | 49.6 | 55.6 |
| ▪ Slightly satisfied | 17.4 | 15.1 | 15.5 | 22.4 | 18.4 |
| ▪ Not at all satisfied | 5.1 | 4.9 | 14.6 | 15.5 | 10.6 |
| ▪ I cannot express an opinion | 4.4 | 5.6 | 8.9 | 5.5 | 5.9 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

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(Continued) Table 18 – A critical evaluation by people who have resorted to the service in the last year, but also an “alternative” use of the Emergency Room (% val.)

| Phenomena | Data |
|---|--|
| <ul style="list-style-type: none"> – POSSIBLE DUPLICATE EXPERIENCES WITH THE EMERGENCY ROOM AND WAITING LISTS – Incidence % of people who, having had one or more Emergency Room experiences during the last twelve months, were also placed on waiting lists for ASL services or for admission to hospital, of which⁴: <ul style="list-style-type: none"> ▪ Experiences with waiting lists for laboratory tests, diagnostic tests, specialist visits and/or small out-patient procedures, of which: <ul style="list-style-type: none"> • 1 experience 52.2 (5.9 mil.) • 2 experiences 25.7 • 3 or more experiences 16.7 ▪ Experiences with waiting lists for admission to hospital for treatment and/or surgical procedures, of which: <ul style="list-style-type: none"> • 1 experience 9.8 • 2 experiences 16.7 (1.9 mil.) • 3 or more experiences 12.9 • 3 or more experiences 2.2 | <ul style="list-style-type: none"> – Sample population 74.8 – Sub-sample population with experience with waiting lists and/or the Emergency Room 53.4 |
| “ALTERNATIVE” USE OF THE EMERGENCY ROOM | |
| <ul style="list-style-type: none"> – Person whom the respondents would prefer to contact if there is a serious and/or urgent health problem, taking into account their experience over time⁵: <ul style="list-style-type: none"> ▪ When there is a real or perceived serious and/or urgent health problem, there is a preference to go to the primary care physician first 70.6 ▪ In the event that there is no adequate or quick response from the primary care physician or from ASL polyclinic specialists, it is preferable to go directly to the hospital Emergency Room. 50.8 ▪ Alternatively, it is preferable to go to a trusted or recommended hospital specialist for an <i>intramoenia</i> visit in the public hospital or a private visit (both for a fee), as this makes it easier to get exams, diagnostic tests or even get hospital admission without waiting lists 46.8 ▪ In the event a specialist visit, diagnostic exam, or hospital admission is needed and the waiting lists are too long, it is preferable to go to the hospital Emergency Room. 26.8 ▪ In any case, it is preferable to go immediately to the hospital Emergency Room rather than to ASL services so as not to waste time 23.3 ▪ Basically, there is a greater tendency to use the hospital than the ASL services present in the area 20.8 ▪ It is not possible to know what to choose, as it is usually recommended in case of need 32.7 ▪ There have not yet been any serious and/or urgent health problems to be addressed and thus it is impossible to state the choice 28.1 | <ul style="list-style-type: none"> – Sample population 70.6 – Sub-sample population with experience with waiting lists and/or the Emergency Room 50.8 – Sample population 46.8 – Sub-sample population with experience with waiting lists and/or the Emergency Room 26.8 – Sample population 23.3 – Sub-sample population with experience with waiting lists and/or the Emergency Room 20.8 – Sample population 32.7 – Sub-sample population with experience with waiting lists and/or the Emergency Room 28.1 |

(1) See Part Three/Table 28, p. 199 and Table D27/“Enhanced” Sample of the Statistical Appendix, p. 421.

(2) See Part Three/Table 36, p. 209.

(3) See Part Three/Table 37, p. 211 and Table D37/“Enhanced” Sample of the Statistical Appendix, p. 430.

(4) See Part Three/Table 41A, p. 224 (See also the comment relating to it in Section 2.7).

(5) See Part Three/Table 41, p. 221.

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

in the last twelve months, also had experiences with the Emergency Room, furthermore, data on the use of “alternatives” are reported, with respect to the typical Emergency Room functions that people and users use this service for.

In the first case, it is possible to see how:

- 52.2% of those who have had one or more Emergency Room visits during the last twelve months also, during the same period, experienced waiting lists for ASL services: the subjects involved in these experiences numbered 5.9 million units;
- and also 25.7% of those who had access to the Emergency Room also had one or more experiences with waiting lists for hospital admission for treatment and/or surgical procedures: and was in this case a total of 1.9 million adult people.

Of course, the duplication of experiences just mentioned may have happened in different sequential order, in the sense that, after having been accepted in the Emergency Room, the patient could have been subsequently placed on a waiting list for some specific exams or diagnostic tests. Or, on the contrary, having had one or more experiences with waiting lists for access to a hospital, the individual may have then gone to the Emergency Room.

And it is precisely from observing this dual possibility of the respondents to weave experiences of waiting lists and Emergency Room that makes it interesting to examine the last group of data in Table 18, which shows the orientation of the population as a whole, on the one hand, and of that part of the population that has actually had an experience with waiting lists and/or the Emergency Room in the last twelve months, and on the other hand, about the “alternative” behaviors in the actual use of the Emergency Room.

As can be seen from the data presented, the presence of a serious and/or urgent health problem brought the primary care physician into play for 70.6% of the population, which rose to 74.8% for the aforementioned sub-sample. But, in the event that there is not an adequate or sufficiently rapid response from this professional or from specialists of the ASL polyclinics, there is a stated preference for the hospital Emergency Room, as attested to by 50.8% of the population and 53.4% of the indicated sub-sample.

There are two other ways that brought the Emergency Room in play as a sort of “accelerator” with respect to the times imposed by waiting lists: people would in fact go for a visit by the hospital specialist using the *intramoenia* services (for a fee) in a public hospital or make a private specialist visit (again paid) to then have exams or diagnostic tests run or even to be admitted to the hospital, thus avoiding waiting lists: this was the opinion 46.8% of the population, and up to 50.9% among those who had experiences with waiting lists and/or the Emergency Room.

And so it happens, even more simply and directly, by accessing the Emergency Room, being aware that perhaps a specialist visit, a diagnostic test, or hospitalization is needed, but using the Emergency Room service allows you to bypass excessively lengthy waiting lists: this statement is affirmed by just over 1 in 4 respondents from both the population and from the sample who had specific experiences with waiting lists or the Emergency Room in the last twelve months.

It is also interesting to verify that beyond the specific examples, there is a basic orientation that tends to explicitly underline the preference both by the population and by those who have experience in the field to immediately contact the Emergency Room more than ASL services simply so as not to waste time: 23.3% of the population and 22.4% of the indicated sub-sample. All of this comes to the point of affirming that “we tend to use the hospital more than the local-health-authority services in the area”, with a convergence of essentially similar opinions (20.8% of the population and 21.0% of the sub-sample indicated in the second column).

It is interesting to note that the orientation towards the “alternative” choice of the Emergency Room transversely affects the respondents from the North, Center and South, who have experienced waiting lists and/or the Emergency Room, but with an accentuation of this orientation for respondents residing in the South and in the Islands, with regard to the second and third reasons indicated¹⁰:

- in the case in which there is not an adequate and/or rapid response from the primary care physician or ASL specialists (56.1% compared to an average of 53.4%);
- and in the case that it is decided to contact a trusted specialist (through an *intramoenia* visit or a paid private practice visit), for the purpose of carrying out exams, diagnostic tests or even obtaining hospital admission (56.4% in the South compared to an overall average of 50.9%).

3.3. The presence of difficulties related to distance and organization of the service

Before examining the answers of the respondents, it is appropriate to recall, in short, the framework of the offer of Emergency Room services in Italy, which is shown in Table 19. In the first part of the aforementioned table the number and types of this service present in the various Italian regions is

¹⁰ See Table D41/“Enhanced” Sample of the Statistical Appendix, p. 437.

shown. Overall, according to currently available data, there are 670 facilities, of which¹¹:

- 307 in the North (equal to 45.8%);
- 132 in Center (equal to 19.7%);
- and 231 in the South (equal to 34.5%).

Please note that the Emergency Room and Admission services perform:

- admissions activities for planned elective cases;
- admission activities for cases that occur spontaneously and are not of an emergency/urgent nature;
- admissions activities for subjects in urgent but deferrable condition;
- admissions activities for subjects in urgent and non-deferrable condition;
- admissions activities for subjects in emergency conditions;

These services provide diagnostic tests and any procedures necessary for the solution of the clinical problem presented. In the most complex cases, the procedures necessary to stabilize the patient and possible transport to a hospital that is able to provide specialized services are guaranteed under the coordination of an Operational Center¹².

The last column of Table 19 shows the regional ratio between the number of residents and the number of existing Emergency Room services, from which it can be noted that this ratio:

¹¹ Source: Ministry of Health (latest available data as of 30 December 2015).

¹² Of course, not all Emergency Room services are the same, as is shown in Table 19/p. 69, since there are:

The Department of Emergency-Urgency and Admission (DEA)

The DEA represents a functional aggregation of operative units that maintain their autonomy and clinical assistance responsibility, but which recognize their interdependence by adopting a common code of behavioral assistance, in order to ensure, in connection with the facilities operating in the territory, a quick and complete response.

DEAs operate on two levels of complexity, based on the operating units that comprise them: DEA Level I and DEA Level II.

D.E.A. Level I

In addition to the services provided by the hospital Emergency Rooms, it also provides the functions of observation and short stays, intensive care and, at the same time, must provide general medicine diagnostic-therapeutic procedures, general surgery, orthopedics and traumatology, cardiology through the Intensive Cardiology Therapy Unit (UTIC). It also provides laboratory services of chemical-clinical and microbiological testing, diagnostic imaging, and transfusions.

D.E.A. Level II

In addition to the services provided by the DEA Level I, it provides the highest qualification emergency procedures, including heart surgery, neurosurgery, neonatal intensive care, vascular surgery, thoracic surgery, according to the indications established by regional planning.

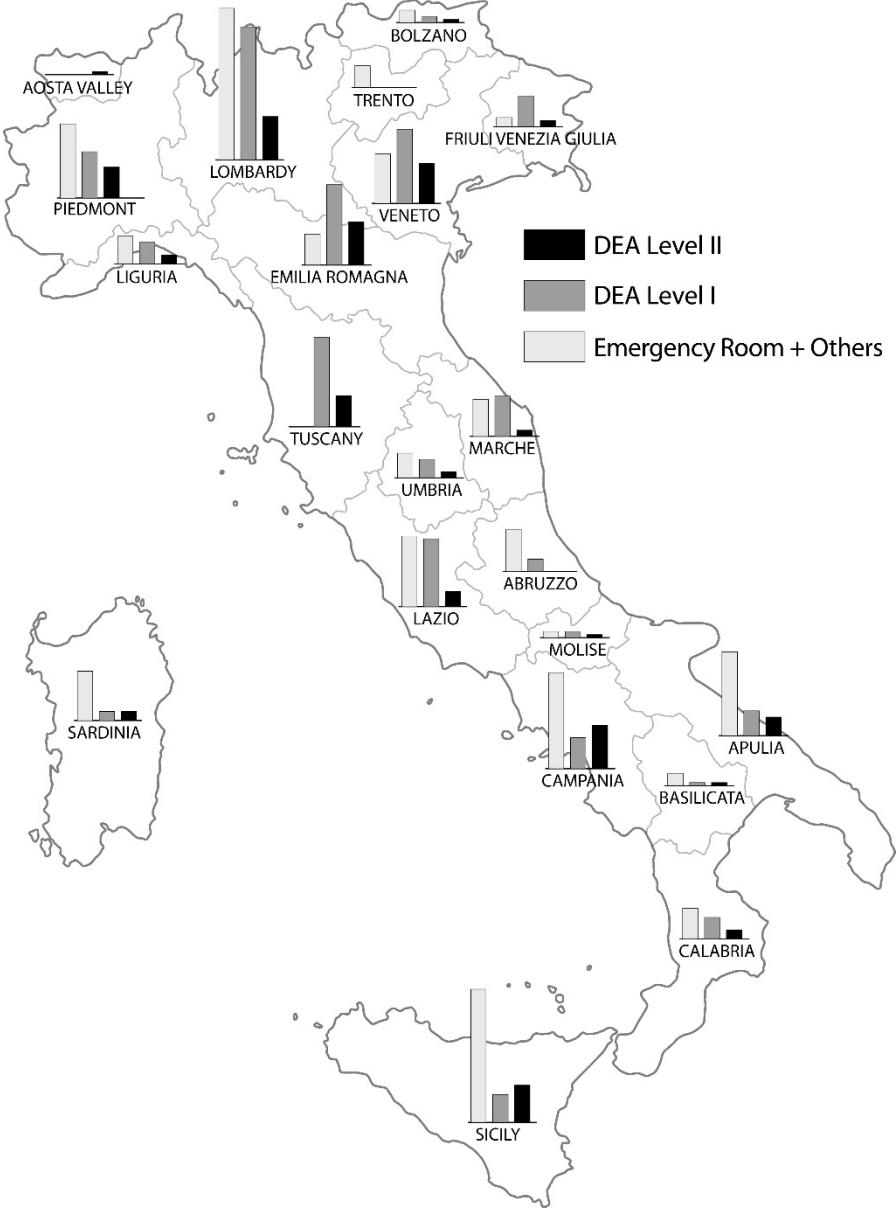
Other particularly specialized components, such as large burn units, and spinal units that are part of regional planning, are placed in the Level II DEAs, thereby guaranteeing a balanced distribution throughout the country and a close relationship with the regional operations centers.

Table 19 – DEA Level I + Emergency Room + Others, with evidence of the ratio, from the best to the worst, between resident population and total Emergency Room services by Region

| Regions | Emergency Room + Others | DEA Level I | DEA Level II | Total | Of which: pediatric | Resident population Italy Total | Resident population Total ER + Others + DEA I + DEA 2 |
|--------------------------------|-------------------------|-------------|--------------|------------|---------------------|---------------------------------|---|
| Umbria | 8 | 6 | 2 | 16 | | 891,181 | 55,699 |
| Marche | 12 | 13 | 2 | 27 | 1 | 1,543,752 | 57,176 |
| Molise | 2 | 2 | 1 | 5 | | 312,027 | 62,405 |
| Abruzzo | 14 | 4 | | 18 | 2 | 1,326,513 | 73,695 |
| Autonomous Province of Bolzano | 4 | 2 | 1 | 7 | 2 | 520,891 | 74,413 |
| Sardinia | 16 | 3 | 3 | 22 | 4 | 1,658,138 | 75,370 |
| Autonomous Province of Trento | 7 | | | 7 | 1 | 538,223 | 76,889 |
| Sicily | 43 | 9 | 12 | 64 | 5 | 5,074,261 | 79,285 |
| Friuli Venezia Giulia | 3 | 10 | 2 | 15 | 3 | 1,221,218 | 81,415 |
| Liguria | 9 | 7 | 3 | 19 | 5 | 1,571,053 | 82,687 |
| Emilia Romagna | 10 | 26 | 14 | 50 | 4 | 4,448,146 | 88,963 |
| Piedmont | 15 | 24 | 10 | 49 | 8 | 4,404,246 | 89,883 |
| Veneto | 16 | 24 | 13 | 53 | 3 | 4,915,123 | 92,738 |
| Lombardy | 49 | 43 | 14 | 106 | 35 | 10,008,349 | 94,418 |
| Basilicata | 4 | 1 | 1 | 6 | | 573,694 | 95,616 |
| Tuscany | | 29 | 10 | 39 | 4 | 3,744,398 | 96,010 |
| Calabria | 10 | 7 | 3 | 20 | 2 | 1,970,521 | 98,526 |
| Apulia | 27 | 8 | 6 | 41 | 2 | 4,077,166 | 99,443 |
| Campania | 31 | 10 | 14 | 55 | 19 | 5,850,850 | 106,379 |
| Lazio | 23 | 22 | 5 | 50 | 5 | 5,888,472 | 117,769 |
| Aosta Valley | | | 1 | 1 | 1 | 127,329 | 127,329 |
| North | 113 | 136 | 58 | 307 | 62 | 27,754,578 | 90,406 |
| Center | 43 | 70 | 19 | 132 | 10 | 12,067,803 | 91,423 |
| South and Islands | 147 | 44 | 40 | 231 | 34 | 20,843,170 | 90,230 |
| Total | 303 | 250 | 117 | 670 | 106 | 60,665,551 | 90,546 |

Source: processing of Ministry of Health data (data on December 30, 2015)

Chart 1 – Distribution of E.R. facilities in the various Regions



Source: processing of Ministry of Health data (data on December 30, 2015)

- is more favorable starting from Umbria (55,699) up to the Province of Trento (76,889), also in relation to the geographical features that see a significant presence of mountains and a good and/or fair level of coverage;
- is located in the intermediate segment for the Regions ranging from Friuli Venezia Giulia (81,415) to Piedmont (89,883), which still remain below the national average and with a mixed presence of mountains/plains as well as with good coverage of services;
- and instead exceeds the national average (which is equal to 90,546) for the rest of the Regions considered – from Veneto (92,738) up to Valle d’Aosta which has only one Emergency Room (127,329) – which present a mixed geo-orographic conformation and has an extremely variable coverage of services.

Table 20 contains the opinions of respondents who had experiences with waiting lists and/or the Emergency Room in the last twelve months about the distance from the ER service, any difficulties in reaching it, as well as the existence, in addition to public hospitals, accredited private facilities that could offer a closer and therefore easier to reach service.

As to the distance between the public Emergency Room and the residence, it is possible to ascertain that almost 50% (48.8%) of the respondents (people who have had both Emergency Room and waiting list experiences in the last twelve months) acknowledge a very short travel time of no more than 15 minutes, while 37.2% say they take up to ½ hour, 10.5% more than ½ hour but less than an hour, and 3.5% an hour or more. Naturally, there are some territorial differences to be taken into consideration, given that the relatively best placed (with journeys of no more than ½ hour) are the respondents from the North and the Center of Italy. While for people living in the South, the longer times that go from more than ½ hour to 1 hour or more apply (see the first group of data in Table 20).

However, it is also true that there are Emergency Room services in accredited private hospitals that could (theoretically) be used to improve the distance difficulty: 21.6% of these services are located no more than 15 minutes away, 40.9% no more than ½ hour, and 37.5% are more distant than are the public hospitals.

Regarding the possible difficulties in access to Emergency Room services within the public hospital, almost 2/3 of the respondents (64.8%) admit that these exist and concern:

- mainly the physical distance from the house or the time it takes to reach the Emergency Room because of the difficult route, the presence of inadequate public services, the intensity of traffic, etc. (26.4% of cases);

Table 20 – Presence of public Emergency Room services in the area and possible difficulties in accessing and organizing them (% val)

| Phenomena | Data | | | | | | |
|---|------------------------------|-------------|--------|-------------------|-------------|-------------|-------|
| | Accredited private hospitals | | | Public hospitals | | | |
| | North- West | North- East | Center | South and Islands | North- West | North- East | Total |
| - Characteristics of Emergency Room services in the territory of the respondents by those who have had experiences with waiting lists and/or the Emergency Room in the last twelve months ¹ : | | | | | | | |
| ▪ A very short trip (up to 15 minutes) | 21.6 | 51.3 | 54.4 | 46.1 | 46.6 | 39.2 | 48.8 |
| ▪ A short trip (up to ½ hour) | 40.9 | 39.2 | 32.8 | 36.5 | 39.7 | 8.3 | 37.2 |
| ▪ A medium trip (more than ½ hour but less than 1 hour) | 18.4 | 11.5 | 8.5 | 12.0 | 11.5 | 19.1 | 10.5 |
| ▪ An hour or more | 19.1 | 2.2 | 4.3 | 5.4 | 2.2 | 1.2 | 3.5 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| - Potential difficulties encountered in accessing the Emergency Room services inside the public hospital most frequently referred to by the population that actually experienced waiting lists and/or the Emergency Room in the last twelve months ² : | | | | | | | |
| ▪ There are difficulties | 62.7 | 56.8 | 68.5 | 69.1 | 25.8 | 30.9 | 64.8 |
| ▪ There are no difficulties | 25.8 | 30.9 | 18.2 | 20.9 | 11.5 | 12.3 | 23.7 |
| ▪ I don't know | 11.5 | 12.3 | 13.3 | 10.0 | 100.0 | 100.0 | 11.5 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| - Detail of the difficulties (average 1.3 per respondent) ³ : | | | | | | | |
| ▪ The Emergency Room is far from home or in any case requires significant time to get to (due to traffic, difficult route, or inadequate transportation services) | 25.9 | 26.1 | 18.7 | 31.9 | 13.5 | 14.4 | 26.4 |
| ▪ The Emergency Room is farther away than it used to be, since it was transferred to a larger but farther hospital | 13.5 | 14.4 | 13.2 | 17.7 | 57.0 | 53.9 | 15.0 |
| ▪ The Emergency Room transferred to the larger hospital has a larger population pool and therefore waiting times have increased | 57.0 | 53.9 | 44.0 | 42.1 | 22.8 | 24.2 | 48.7 |
| ▪ The Emergency Room has not been adequately reorganized to deal with a greater number of patients | 22.8 | 24.2 | 30.6 | 23.8 | 29.1 | 31.0 | 25.0 |
| ▪ Many people use the ER due to the inadequacies of the ASL facility services, in order to shorten waiting times for special visits, for diagnostic tests, or even for hospital admissions. | 29.1 | 31.0 | 21.9 | 27.7 | | | 27.4 |

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(Continued) Table 20 – Presence of public Emergency Room services in the area and possible difficulties in accessing and organizing them (% val)

| Phenomena | Data | | | |
|---|----------------|----------------|--------|-------------------------|
| | North- West | North- East | Center | South and Islands |
| – Existence, in addition to public hospitals, of accredited private hospitals that offer a closer and therefore easier to reach Emergency Room Service, according to the responses of those who actually experienced the Emergency Room and/or waiting lists in the last twelve months ¹ : | | | | |
| ▪ They exist, but do not have an Emergency Room | 13.0 | 15.4 | 14.8 | 19.5 |
| ▪ They exist, but do not have adequate equipment for more serious cases | 22.0 | 10.7 | 18.7 | 19.9 |
| ▪ They do not exist | 24.3 | 32.0 | 26.4 | 19.8 |
| ▪ I am unable to give an opinion | 40.7 | 41.9 | 40.1 | 40.8 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 |

(1) See Part Three/Table 38, p. 213 and Table D38/“Enhanced” Sample of the Statistical Appendix, p. 431.

(2) See Part Three/Table 39, p. 214 and Table D39.1/“Enhanced” Sample of the Statistical Appendix, p. 432.

(3) See Part Three/Table 39, p. 214 and Table D39.2/“Enhanced” Sample of the Statistical Appendix (multiple choices), p. 435.

(4) See Part Three/Table 40, p. 217 and Table D40/“Enhanced” Sample of the Statistical Appendix, p. 436.

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

- potential reorganization processes of public Emergency Rooms, which today may be farther away than in the past due to being transferred from the original hospital to another of greater size but which is further away (15.0% agreement); not to mention that an Emergency Room moved to a larger hospital usually has a larger population pool and therefore the waiting time for the service ends up being inevitably longer (48.7%) and this is even more so if this ER was not adequately reorganized to address an increase in the number of patients (25.0%);
- and finally, the fact that many people make use of the Emergency Room because of the inadequacies of the ASL facility services, in order to shorten the waiting time for specialist visits, diagnostic tests or even to be able to gain admission more quickly (27.4%): confirming with what was explained at the end of the previous section about the behaviors of the population towards “alternative” use of the Emergency Room.

But are there, in addition to public hospitals, also accredited private hospitals that might offer an easier to reach Emergency Room service? Respondents to this question specify that:

- accredited private hospitals exist, but they do not have Emergency Rooms, at least at present (15.9%): but perhaps the opportunity for their entry into operation should be evaluated;
- they exist but the respondents believe that they do not have adequate equipment for more serious cases (18.6%): these services could perhaps be used (or transformed) with reference to patients not affected by serious emergencies;
- they do not exist at all, given the information available to the persons involved in the survey (in 24.8% of cases);
- finally, it must also be said that, as is understandable, 40.7% are not sufficiently informed to express an opinion on the topic.

These assessments, corresponding to the territorial affiliation of the respondents, show that there are in fact accredited private hospitals but that they do not have an Emergency Room, especially in the South (19.5%) compared to the North-West, the North-East and the Center of Italy (13.0%, 15.4%, and 14.8%, respectively). And that, though they do exist, in the opinion of the respondents they do not have adequate equipment for the more serious cases, especially in the North-West (for 22.0% of respondents) and in the South (19.9%), compared to 10.7 % in the North-East, and 18.7% in Central Italy.

4. A measurement of the efficiency of the system through an examination of the financial statements of the hospital centers

4.1. Monitoring of the “anomalies” that suggest possible implicit financial statement covering

For many years now, this Report has examined the data of the Income Statements of the public Hospital Centers in order to make the reporting of the relative activities they perform more transparent and understandable, just as – and not starting today – current legislation requires¹.

When speaking of transparency, three particularly significant contextual situations should be mentioned regarding a specific item in the Income Statement of the Hospital Centers, concerning the so-called “by-function” activities.

The first situation concerns the two Stability Laws relating to the 2015 and 2016 fiscal years, within which limits were set (with rescheduling objectives to be pursued compulsorily and with potential related sanctions) regarding the difference between costs and revenues linked to the remuneration of the activity (mainly health care and social-health care services related to health care, co-payment charges and contributions for services falling outside of those required for basic levels of assistance (LEA, Livelli Essenziali di Assistenza) with reference to the yearly Income Statements. This maximum deviation was established in the 2015 Stability Law at 10% of revenues and/or equal to or greater than EUR 10 million (and this provision was already applied for the 2016 fiscal year for the Hospital Centers and starting in 2017 for directly managed Hospitals). But this limit was subsequently lowered by the 2016 Stability Law to 7% and, in absolute terms, to EUR 7 million or more (and the new provision already needed to be applied in 2017).

¹ For more on this, please refer to what has been described in Part One/Section 4.2 (“Transparency and certifiability of financial statements is still too slow”) in the “Health&Hospitals/2017” Report.

The objective was evidently to promote appropriate actions by the Hospital Centers (and subsequently by the directly managed Hospitals) so that any excessive deviations from those envisaged by the aforementioned provisions would be detected.

The second contextual situation, one that in fact concerns the “by-function” activities, relates to the Ministerial Decree implementing Art. 1, paragraph 526, of the 2016 Stability Law on the basis of Art. 8-*sexies* of Legislative Decree 502/1992 and subsequent amendments, which had already introduced the possibility of recognizing a further “enhanced” lump-sum valuation for the aforementioned activities on the 2016 Financial Statements of the Hospital Centers², up to a maximum of 30% of the revenues received from health services, co-payment charges and services outside of basic levels of assistance (though this last item has negligible values). This valuation was to be calculated not on the basis of the aforementioned revenues as they were shown in the Income Statement, but rather on the basis of an amount that was in fact even greater, being determined by means of a special formula³ that made it possible to include higher Revenue sizes. It is self-evident that the

² The Ministerial Decree implementing Art. 1, paragraph 526 of the 2016 Stability Law, on the basis of Art. 8-*sexies* of Legislative Decree 502/1992 and subsequent amendments, stated that “the total value of the remuneration of the “by-function” activities cannot in any case exceed 30% of the remuneration limit already assigned”. Among other things, the 2016 Financial Statements of the Hospital Centers had to incorporate this provision, while the directly managed Hospitals should have incorporated it starting from the 2017 fiscal year. More information is available by looking at the large categories of “by-function” activities included in Legislative Decree 502/1992. These are:

- programs that strongly integrate hospital and community care, health and social care, with special reference to lengthy or recurrent chronic illnesses;
- assistance programs with a high degree of customization of the service or the service rendered to the person;
- activities carried out by participating in prevention programs;
- assistance programs for rare diseases;
- activities with significant waiting costs, including the First Aid and emergency transport system;
- experimental assistance programs;
- organ, bone marrow and tissue transplant programs, including maintenance and monitoring of the donor, the removal of organs, transport activities, coordination and organization of the network of removal and transplants, and preliminary testing on donors.

³ In the event of a maximum increase equal to 30% of “by-function” activities, the formula is as follows:

$$\frac{\text{Revenues from healthcare and health-related social health services} + \text{Co-payment charges} + \text{Extra basic levels of assistance contributions}}{70\%} \times 30\%$$

Naturally, if the percentage is less than 30% for the denominator of the formula, the difference to 100 of the aforementioned percentage must be shown.

entry into force of such a flat-rate valuation tool for “by-function” activities helps to bring the results of the Income Statement of the Hospital Centers closer to balance between costs and revenues.

The third contextually significant situation has to do with the establishment of a special Commission at the Ministry of Health, which was tasked with defining the maximum criteria for the allocation of the percentages of flat-rate recognition of the value of the “by-function” activities in order to take into account services actually performed corresponding to the activities by the individual Hospital Centers: the objective was to practically modulate the provision that stated “up to a maximum of 30%” but which could also be 25%, 20%, or indeed another percentage, without prejudice to the fact that the concrete application of these criteria must/should fall under the individual Regional Health Services. In the meantime, however, the work of the aforementioned Commission was already halted during 2016, thereby allowing complete discretionary application of a greater lump sum value for “by-function” activities (i.e. “up to 30%” as per the legal provision). This has made approaching the Cost/Revenue equilibrium objectives that had inspired the legislation contained within the two Stability Laws mentioned above a little easier.

At this point it is worth reiterating the reasons that were (and are) at the basis of the examination of the Income Statement data by this Report. These are:

- on the one hand, that aimed at improving the transparency and comparability of the financial statements, at least of the Hospital Centers, beyond any “upward” adjustments of the Revenue on the final balance sheet: thus distinguishing more efficient management situations from less efficient ones while taking into account the different contextual conditions present in the multiple and varied territorial realities of the Country;
- and on the other hand, that of identifying any areas of potential inefficiency by means of examining the items on the Income Statement, which end up “consuming” rather than “freeing up” financial resources that should instead be invested in restructuring and reorganizing services in order to make management more efficient and better satisfy patients.

Without prejudice to what has been mentioned so far, again this year the assessment of the Income Statements was undertaken as follows:

- 1) first of all, the Income Statements of 34 out of 44 Hospital Centers and University Hospital Centers that are similar were taken into consideration.

Please note that in 2016 (latest available data) the overall situation in Italy was as follows:

- Hospital Centers: 57 units

- University Hospital Centers: 18 units
- Total: 75 units

But of the 57 Hospital Centers, 29 former Hospital Centers in Lombardy had to be removed, given that a regional reform came into force placing some territorial services within the Centers. Consequently it was not possible to operate on a set of Hospital Centers that were consistent with one another (that is, concentrated on hospital-type activities), to which was added the fact that some other unification of territorial services was also implemented by one Hospital Center in the Friuli Venezia Giulia Region and a Center in the Sardinia Region. And thus, the total of 46 Hospitals mentioned above falls further by a couple of units, to a total of 44 units. Consequently, the 34 Hospital Centers and University Hospital Centers examined this year represent 77% of those possible to compare.

Moreover, during the year 2017, two Hospital Centers in Emilia Romagna were also involved in similar operations, but in this case it was decided to leave the two aforementioned Centers within the group of 34 examined for this Report: assuming for the first of these (H.C. no. 10) that the 2016 values could also be considered valid for 2017, due to the relative “stability” of the various Revenue and Cost items in the previous four-year period. Whereas for the second of these (H.C. no. 11), the costs were split between the Hospital Center and a Local Health Authority (AUSL) in a particular way, with the consequence of having obtained slightly “irregular” values. Moreover, all this has been appropriately referred to in Table Appendix 1, which shows the absolute values of the items of the Income Statements of the Hospital Centers taken into consideration⁴.

The Hospital Centers examined are in the following Regions:

- | | | |
|---|---|-----------------|
| <ul style="list-style-type: none"> - 6 in Piedmont - 2 in Veneto - 5 in Emilia Romagna | } | 13 in the North |
| <ul style="list-style-type: none"> - 2 in Marche - 5 in Lazio | } | 7 in the Center |
| <ul style="list-style-type: none"> - 2 in Apulia - 4 in Calabria - 8 in Sicily | } | 14 in the South |

However, it can be reasonably stated that, as a whole, the sample of Hospital Centers assessed for this Report is in any case more than satisfactory and, above all, makes it possible to analyze the trend of the so-called “anomalies” already highlighted last year;

⁴ See Appendices/Chapter 1, p. 325 et seq.

2) the next step was that of identifying the aforementioned trend by using the Index Numbers that refer to five and no more than four years of Income Statements of the Hospital Centers, as was done in the previous Report: which permitted greater data monitoring with respect to the situation analyzed for the year 2016. The items of the Income Statement and the relative trend are again those shown below⁵:

- the trend of the number of in-hospital stays compared to the trend of revenues from healthcare services (see Table 21);
- the trend in the number of in-hospital stays and the trend in costs for the purchase of goods and services (see Table 22);
- the trend in revenues from “by-function” activities and the trend in the percentage of these activities on revenues from services + revenues from co-payment charges as well as the comparison with the percentage of the same “by-function” activities, calculated on the basis of the mechanism envisaged by the mentioned Ministerial Decree (see Table 23);
- and finally, the performance of the results for the fiscal year, with reference to the five years examined and their impact on revenues from services + co-payment charges (see Table 24);

If we consider the first of the tables, the one relating to the comparison between the trend of in-hospital stays and the trend of revenues from corresponding health services in the five year period (see Table 21), the Index Numbers shown highlight the following phenomena:

- a) a manifesting decrease in the number of in-hospital stays, that go from 100.0 (I.N. 2013) to 93.7 (I.N. 2017), for all the Hospital Centers considered. But despite this decrease, there was, on the contrary, an increase in revenues from health and social-health services, which rose from 100.0 in 2013 to 108.1 in 2017: the difference between the Index Numbers for revenues and Index Numbers for in-hospital stays in 2017 is an average of 14.4 points for all the Hospital Centers, thus confirming the trend already highlighted in 2016 (when this difference, over the previous four years, was 12.0 points).

⁵ The tables below were prepared starting from the absolute figures present in the 2017 Income Statements of the 34 aforementioned Hospital Centers, of which individual Balance Sheet Reports were used as an information source (see Table Appendix 1 in Chapter 1 of the Appendices).

Table 21 – Comparison of trends for in-hospital stays and corresponding revenues in the four years considered (I.N.: 2013 = 100.0)

| Hospital Centers | Number of inpatient admissions and day-hospital admissions | | | | | | | Revenues from healthcare services and health-related social health services as per the IS (Cod. A0320) | | | | | | | Index Number difference between Revenues and Admissions | | |
|-----------------------------|--|-------------|--------------|--------------|--------------|--------------|--------------|--|--------------|--------------|--------------|--------------|--------------|--------------|---|---------|-------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | In 2016 | In 2017 |
| H.C.1 | 100.0 | 95.1 | 88.6 | 87.3 | 86.9 | 100.0 | 97.7 | 101.0 | 101.8 | 100.1 | 100.0 | 100.0 | 101.8 | 100.1 | 14.5 | | 13.2 |
| H.C.2 | 100.0 | 96.6 | 111.6 | 97.6 | 112.4 | 100.0 | 100.8 | 104.9 | 106.3 | 107.9 | 100.0 | 100.8 | 106.3 | 107.9 | 8.7 | | -4.5 |
| H.C.3 | 100.0 | 95.8 | 95.8 | 95.3 | 94.8 | 100.0 | 96.8 | 100.2 | 102.8 | 103.9 | 100.0 | 96.8 | 100.2 | 102.8 | 7.5 | | 9.1 |
| H.C.4 | 100.0 | 96.5 | 98.5 | 98.3 | 97.8 | 100.0 | 96.9 | 100.7 | 105.6 | 107.5 | 100.0 | 96.9 | 100.7 | 105.6 | 7.3 | | 9.7 |
| H.C.5 | 100.0 | 95.3 | 98.3 | 90.1 | 98.2 | 100.0 | 94.9 | 94.9 | 98.8 | 102.8 | 100.0 | 94.9 | 98.8 | 102.8 | 8.7 | | 4.6 |
| H.C.6 | 100.0 | 84.1 | 95.0 | 94.7 | 94.3 | 100.0 | 97.9 | 100.3 | 99.9 | 99.5 | 100.0 | 97.9 | 100.3 | 99.9 | 5.2 | | 5.2 |
| Piedmont Total | 100.0 | 90.7 | 97.4 | 94.5 | 96.8 | 100.0 | 97.7 | 100.5 | 102.0 | 102.6 | 100.0 | 97.7 | 100.5 | 102.0 | 7.5 | | 5.8 |
| H.C.7 | 100.0 | 98.6 | 107.6 | 105.4 | 110.7 | 100.0 | 98.0 | 99.3 | 99.8 | 105.1 | 100.0 | 98.0 | 99.3 | 99.8 | -5.6 | | -5.6 |
| H.C.8 | 100.0 | 100.9 | 115.1 | 125.3 | 124.7 | 100.0 | 101.9 | 108.7 | 112.4 | 116.2 | 100.0 | 101.9 | 108.7 | 112.4 | -12.9 | | -8.5 |
| Veneto total | 100.0 | 99.8 | 111.3 | 115.2 | 117.6 | 100.0 | 99.9 | 103.9 | 105.9 | 110.5 | 100.0 | 99.9 | 103.9 | 105.9 | -9.3 | | -7.1 |
| H.C.9 | 100.0 | 98.9 | 99.0 | 98.4 | 103.1 | 100.0 | 102.0 | 103.4 | 104.1 | 104.3 | 100.0 | 102.0 | 103.4 | 104.1 | 5.7 | | 1.2 |
| H.C.10 | 100.0 | 97.7 | 96.7 | 96.0 | 96.0 | 100.0 | 100.7 | 101.0 | 101.6 | 101.6 | 100.0 | 100.7 | 101.0 | 101.6 | 5.6 | | 5.6 |
| H.C.11 | 100.0 | 96.7 | 95.5 | 94.0 | 123.2 | 100.0 | 99.7 | 99.8 | 99.4 | 157.3 | 100.0 | 99.7 | 99.8 | 99.4 | 5.4 | | 34.1 |
| H.C.12 | 100.0 | 97.9 | 97.2 | 98.4 | 97.9 | 100.0 | 101.0 | 101.6 | 104.1 | 106.8 | 100.0 | 101.0 | 101.6 | 104.1 | 5.7 | | 8.9 |
| H.C.13 | 100.0 | 98.8 | 97.9 | 96.3 | 95.8 | 100.0 | 101.9 | 102.3 | 101.8 | 104.5 | 100.0 | 101.9 | 102.3 | 101.8 | 5.5 | | 8.7 |
| Emilia Romagna Total | 100.0 | 98.0 | 97.3 | 97.0 | 102.2 | 100.0 | 101.1 | 101.7 | 102.6 | 112.7 | 100.0 | 101.1 | 101.7 | 102.6 | 5.6 | | 10.5 |
| NORTH ITALY TOTAL | 100.0 | 95.4 | 100.0 | 99.4 | 102.9 | 100.0 | 99.6 | 101.8 | 103.1 | 108.4 | 100.0 | 99.6 | 101.8 | 103.1 | 3.7 | | 5.5 |
| H.C.14 | 100.0 | 99.3 | 94.2 | 92.1 | 91.6 | 100.0 | 95.4 | 93.1 | 95.8 | 106.0 | 100.0 | 95.4 | 93.1 | 95.8 | 3.7 | | 14.4 |
| H.C.15 | 100.0 | 97.4 | 93.6 | 93.8 | 93.3 | 100.0 | 93.6 | 92.6 | 97.6 | 101.2 | 100.0 | 93.6 | 92.6 | 97.6 | 3.8 | | 7.9 |
| Marche Total | 100.0 | 98.1 | 93.8 | 93.2 | 92.7 | 100.0 | 94.2 | 92.8 | 96.9 | 102.9 | 100.0 | 94.2 | 92.8 | 96.9 | 3.7 | | 10.2 |
| H.C.16 | 100.0 | 96.6 | 78.0 | 69.7 | 77.8 | 100.0 | 98.7 | 96.3 | 92.7 | 92.9 | 100.0 | 98.7 | 96.3 | 92.7 | 23.0 | | 15.1 |
| H.C.17 | 100.0 | 91.2 | 86.0 | 77.7 | 77.3 | 100.0 | 93.2 | 106.1 | 103.3 | 103.4 | 100.0 | 93.2 | 106.1 | 103.3 | 25.6 | | 26.1 |
| H.C.18 | 100.0 | 93.7 | 80.1 | 74.7 | 74.3 | 100.0 | 95.8 | 98.9 | 99.3 | 101.9 | 100.0 | 95.8 | 98.9 | 99.3 | 24.6 | | 27.6 |
| H.C.19 | 100.0 | 97.9 | 83.9 | 77.9 | 77.5 | 100.0 | 100.1 | 103.6 | 106.2 | 112.1 | 100.0 | 100.1 | 103.6 | 106.2 | 28.3 | | 34.6 |
| H.C.20 | 100.0 | 102.6 | 90.4 | 86.1 | 69.4 | 100.0 | 104.9 | 111.6 | 114.4 | 118.3 | 100.0 | 104.9 | 111.6 | 114.4 | 28.3 | | 48.3 |
| Lazio Total | 100.0 | 96.2 | 82.6 | 76.2 | 75.1 | 100.0 | 98.3 | 102.0 | 101.7 | 104.0 | 100.0 | 98.3 | 102.0 | 101.7 | 25.5 | | 28.9 |
| CENTRAL ITALY TOTAL | 100.0 | 96.7 | 85.7 | 80.9 | 79.9 | 100.0 | 97.1 | 99.2 | 100.3 | 103.7 | 100.0 | 97.1 | 99.2 | 100.3 | 19.4 | | 23.8 |

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(Continued) Table 21 – Comparison of trends for in-hospital stays and corresponding revenues in the four years considered (I.N.: 2013 = 100.0)

| Hospital Centers | Number of inpatient admissions and day-hospital admissions | | | | | | | Revenues from healthcare services and health-related social health services as per the IS (Cod. A0320) | | | | | | | Index Number difference between Revenues and Admissions | | |
|--------------------------|--|-------------|-------------|-------------|-------------|--------------|--------------|--|--------------|--------------|--------------|--------------|--------------|--------------|---|-------------|-------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | In 2016 | In 2017 |
| H.C. 21 | 100.0 | 95.0 | 89.3 | 88.8 | 88.4 | 100.0 | 101.9 | 105.9 | 99.5 | 94.4 | 100.0 | 101.9 | 105.9 | 99.5 | 94.4 | 10.7 | 6.0 |
| H.C. 22 | 100.0 | 93.3 | 89.2 | 88.4 | 88.0 | 100.0 | 100.0 | 105.8 | 99.0 | 104.5 | 100.0 | 100.0 | 105.8 | 99.0 | 104.5 | 10.6 | 16.5 |
| Apulia total | 100.0 | 94.4 | 89.3 | 88.7 | 88.2 | 100.0 | 101.2 | 105.9 | 99.3 | 98.0 | 100.0 | 101.2 | 105.9 | 99.3 | 98.0 | 10.6 | 9.8 |
| H.C. 23 | 100.0 | 94.2 | 92.6 | 100.2 | 99.7 | 100.0 | 99.1 | 98.6 | 119.7 | 120.6 | 100.0 | 99.1 | 98.6 | 119.7 | 120.6 | 19.5 | 20.9 |
| H.C. 24 | 100.0 | 95.2 | 94.3 | 88.9 | 88.5 | 100.0 | 100.2 | 100.4 | 106.8 | 116.4 | 100.0 | 100.2 | 100.4 | 106.8 | 116.4 | 17.9 | 27.9 |
| H.C. 25 | 100.0 | 95.4 | 95.8 | 95.6 | 95.2 | 100.0 | 100.4 | 119.8 | 130.8 | 162.0 | 100.0 | 100.4 | 119.8 | 130.8 | 162.0 | 35.2 | 66.8 |
| H.C. 26 | 100.0 | 94.0 | 92.1 | 86.7 | 86.3 | 100.0 | 99.0 | 98.0 | 109.6 | 118.4 | 100.0 | 99.0 | 98.0 | 109.6 | 118.4 | 22.9 | 32.1 |
| Calabria Total | 100.0 | 94.6 | 93.3 | 92.4 | 92.0 | 100.0 | 99.6 | 101.3 | 114.2 | 123.3 | 100.0 | 99.6 | 101.3 | 114.2 | 123.3 | 21.8 | 31.3 |
| H.C. 27 | 100.0 | 83.4 | 78.9 | 85.3 | 82.3 | 100.0 | 96.3 | 102.9 | 102.9 | 111.5 | 100.0 | 96.3 | 102.9 | 102.9 | 111.5 | 17.6 | 29.2 |
| H.C. 28 | 100.0 | 84.2 | 80.7 | 94.4 | 93.9 | 100.0 | 97.2 | 105.1 | 113.9 | 113.7 | 100.0 | 97.2 | 105.1 | 113.9 | 113.7 | 19.5 | 19.8 |
| H.C. 29 | 100.0 | 87.2 | 84.9 | 94.1 | 93.7 | 100.0 | 100.6 | 110.6 | 113.6 | 111.6 | 100.0 | 100.6 | 110.6 | 113.6 | 111.6 | 19.5 | 17.9 |
| H.C. 30 | 100.0 | 83.0 | 76.4 | 84.9 | 84.5 | 100.0 | 95.9 | 99.5 | 102.5 | 99.5 | 100.0 | 95.9 | 99.5 | 102.5 | 99.5 | 17.6 | 15.0 |
| H.C. 31 | 100.0 | 90.1 | 89.6 | 102.8 | 102.3 | 100.0 | 104.0 | 116.7 | 124.1 | 122.6 | 100.0 | 104.0 | 116.7 | 124.1 | 122.6 | 21.3 | 20.3 |
| H.C. 32 | 100.0 | 85.0 | 80.8 | 78.6 | 78.2 | 100.0 | 98.2 | 105.3 | 110.4 | 110.6 | 100.0 | 98.2 | 105.3 | 110.4 | 110.6 | 31.8 | 32.4 |
| H.C. 33 | 100.0 | 86.1 | 76.5 | 88.0 | 87.6 | 100.0 | 99.5 | 99.7 | 106.2 | 103.7 | 100.0 | 99.5 | 99.7 | 106.2 | 103.7 | 18.2 | 16.1 |
| H.C. 34 | 100.0 | 86.5 | 89.3 | 113.7 | 113.2 | 100.0 | 99.9 | 116.3 | 137.1 | 127.8 | 100.0 | 99.9 | 116.3 | 137.1 | 127.8 | 23.4 | 14.6 |
| Sicily Total | 100.0 | 85.8 | 82.2 | 92.5 | 91.8 | 100.0 | 99.1 | 107.1 | 113.8 | 112.5 | 100.0 | 99.1 | 107.1 | 113.8 | 112.5 | 21.3 | 20.7 |
| SOUTH ITALY TOTAL | 100.0 | 89.8 | 86.2 | 91.5 | 90.9 | 100.0 | 99.7 | 105.8 | 110.4 | 110.8 | 100.0 | 99.7 | 105.8 | 110.4 | 110.8 | 18.9 | 19.9 |
| OVERALL TOTAL | 100.0 | 93.7 | 92.0 | 92.6 | 93.7 | 100.0 | 99.1 | 102.4 | 104.6 | 108.1 | 100.0 | 99.1 | 102.4 | 104.6 | 108.1 | 12.0 | 14.4 |

Source: survey by Ermenewa – Studi & Strategie di Sistema, 2018

If in-hospital stays decrease and revenues from health care and non-health care services increase at the same time, it is possible that here is a first “anomaly”. Naturally, the interpretation cannot be limited to a statistical observation. It should in fact be taken into account that the decrease in in-hospital stays is a process that has been underway for some time, following the decision to reduce hospitalization, which should be increasingly used for qualified services, while the rest of the demand should seek responses outside the hospital;

- b) but this last statement is not enough to explain the entirety of the phenomenon, especially if we look at what happens in the Hospital Centers of the North rather than in the Center or in the South. In fact, the difference in terms of Index Numbers for revenues, on the one hand, and for in-hospital stays, on the other hand, in the period 2013-2017 turns out to be:
- 5.5 points higher in the North, even considering some values greater than 9 points and up to 13.2 points in Piedmont, slightly less than 9 points in two H.C.s in Emilia Romagna, whereas the differences are less in two others (but we are not considering Hospital Center no. 11 for the reasons already explained in the notes to Table App. 1 in the Appendices): a special case can be seen then in the two Hospital Centers in Veneto, which – while representing situations characterized by high quality services – have probably made a significant effort to improve the efficiency of operation, given that in the five-year period the number of in-hospital stays has increased much more than revenues have increased;
 - and 23.8 points in the Centers of Central Italy, but with macroscopic differences above 20 and even 30-40 points for Lazio, while those relative to the Marche are smaller;
 - and 19.9 points in the South, which can however exceed 30 points (up to 66.8 points in a Calabrian Hospital Center).

It is clear that the significant difference between the trend of revenues from health and social-health services tends to rise, especially in the Southern Regions, and the trend of in-hospital stays tends to fall. In the South this cannot fail to make one think of the presence of a very probable “anomaly”, unless we are to assume a pronounced and generalized increase in high quality services provided by the Hospital Centers, in particular in Calabria and Sicily.

If we compare the trend in the number of in-hospital stays in the five-year period and the trend in the same period of the cost for the purchase of goods and services (see Table 22), a further “possible anomaly” again emerges.

In fact:

- a) there is again a divergence between the increase in the cost for the purchase of goods and services, on the one hand, and a parallel decrease in the number of in-hospital stays, on the other hand, similarly to what was observed in Table 21 above. The first increase in the five-year period (again in terms of Index Numbers), from 100.0 to 117.9 for all the Hospital Centers examined, while the number of in-hospital stays drops in the period 2013-2017 from 100.0 to 93.7 (see Table 22). This represents a total difference of 24.2 points, an even higher value compared to the 14.4 points of the comparison between revenues from health services and numbers for in-hospital stays, as per Table 21 above;
- b) but also in this case it is important to account for the differences in the Index Numbers between those relating to the costs for the purchase of goods and services and those relating to the number of in-hospital stays in the various Italian institutions, given that:
 - this difference is limited to 20.1 points for the Hospital Centers in the North, with an emphasis especially on some Hospital Centers in Emilia Romagna and Piedmont;
 - it is 30.0 points for the Hospital Centers in Central Italy, both for the Marche region and, above all, in Lazio, which a difference in excess of 40 points can be seen in a couple of cases;
 - and it is 25.8 points for the South, and in many cases rising to over 40 points or more for two Hospital Centers in Calabria, and for three in Sicily.

Even the comparison of the number of in-hospital stays/purchases of goods and services, therefore, contains items that might present some “anomaly”, especially for some Hospital Centers and/or for some regional entities. Unless it is to be assumed – though it seems to be unacceptable assumption in principle – that the levels of hospital services have risen so much that they have entailed a strong and general increase in costs for the purchase of goods and services: moreover, this increase is concentrated in particular in the years 2015 and 2016, and more or less for all the Hospital Centers, giving a confirmation of the attempt to recover any loss on the rebalanced Budget, in whole or in part, through the item of cost for the purchase of goods and services.

Subsequently the third type of comparison was carried out, as is illustrated by the data contained in Table 23 below. It considers a particular entry in the Income Statement, that of revenues conceded to the Hospital Centers for the performance of so-called “by-function” activities, for which the percentage out of the revenues from healthcare services + revenues from co-payment charges has also been calculated, as it appears from the Income Statement.

Table 22 – Comparison of trends for the number of in-hospital stays and costs for the purchase of goods and services in the four years considered (I.N.: 2013 = 100.0)

| Hospital Centers | Number of inpatient admissions and day-hospital admissions | | | | | | | Cost for the Purchase of Goods and services (Cod. BA010) | | | | | | | Index Number difference between costs for the Purchase of Goods and services, and admissions | |
|-----------------------------|--|-------------|--------------|--------------|--------------|--------------|--------------|--|--------------|--------------|-------------|-------------|------|------|--|---------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | In 2016 |
| H.C.1 | 100.0 | 95.1 | 88.6 | 87.3 | 86.9 | 100.0 | 100.0 | 99.1 | 110.8 | 119.1 | 123.4 | 31.8 | 36.5 | | | |
| H.C.2 | 100.0 | 96.6 | 111.6 | 97.6 | 112.4 | 100.0 | 105.4 | 120.5 | 123.8 | 127.8 | 26.2 | 15.4 | | | | |
| H.C.3 | 100.0 | 95.8 | 95.8 | 95.3 | 94.8 | 100.0 | 99.2 | 105.0 | 110.5 | 112.3 | 15.2 | 17.5 | | | | |
| H.C.4 | 100.0 | 96.5 | 98.5 | 98.3 | 97.8 | 100.0 | 95.1 | 100.9 | 113.0 | 116.6 | 14.7 | 18.8 | | | | |
| H.C.5 | 100.0 | 95.3 | 98.3 | 90.1 | 98.2 | 100.0 | 95.8 | 102.5 | 106.6 | 113.4 | 16.5 | 15.2 | | | | |
| H.C.6 | 100.0 | 84.1 | 95.0 | 94.7 | 94.3 | 100.0 | 96.8 | 106.3 | 105.9 | 109.3 | 11.2 | 15.0 | | | | |
| Piedmont Total | 100.0 | 90.7 | 97.4 | 94.5 | 96.8 | 100.0 | 98.1 | 107.5 | 110.9 | 114.6 | 16.4 | 17.8 | | | | |
| H.C.7 | 100.0 | 98.6 | 107.6 | 105.4 | 110.7 | 100.0 | 96.3 | 109.1 | 107.1 | 112.3 | 1.7 | 1.6 | | | | |
| H.C.8 | 100.0 | 100.9 | 115.1 | 125.3 | 124.7 | 100.0 | 105.1 | 126.3 | 124.8 | 134.8 | -0.5 | 10.1 | | | | |
| Veneto total | 100.0 | 99.8 | 111.3 | 115.2 | 117.6 | 100.0 | 100.0 | 116.4 | 114.6 | 121.8 | -0.6 | 4.2 | | | | |
| H.C.9 | 100.0 | 98.9 | 99.0 | 98.4 | 103.1 | 100.0 | 107.5 | 103.5 | 111.0 | 118.0 | 12.6 | 14.9 | | | | |
| H.C.10 | 100.0 | 97.7 | 96.7 | 96.0 | 96.0 | 100.0 | 101.2 | 101.7 | 107.8 | 107.8 | 11.8 | 11.8 | | | | |
| H.C.11 | 100.0 | 96.7 | 95.5 | 94.0 | 123.2 | 100.0 | 103.7 | 110.9 | 114.2 | 192.9 | 20.2 | 69.7 | | | | |
| H.C.12 | 100.0 | 97.9 | 97.2 | 98.4 | 97.9 | 100.0 | 105.7 | 136.6 | 128.6 | 139.1 | 30.2 | 41.2 | | | | |
| H.C.13 | 100.0 | 98.8 | 97.9 | 96.3 | 95.8 | 100.0 | 102.8 | 118.5 | 113.6 | 118.7 | 17.3 | 22.9 | | | | |
| Emilia Romagna Total | 100.0 | 98.0 | 97.3 | 97.0 | 102.2 | 100.0 | 104.8 | 117.9 | 117.4 | 134.6 | 20.4 | 32.4 | | | | |
| NORTH ITALY TOTAL | 100.0 | 95.4 | 100.0 | 99.4 | 102.9 | 100.0 | 100.8 | 113.3 | 114.0 | 123.0 | 14.6 | 20.1 | | | | |
| H.C.14 | 100.0 | 99.3 | 94.2 | 92.1 | 91.6 | 100.0 | 103.2 | 107.9 | 110.3 | 123.3 | 18.2 | 31.7 | | | | |
| H.C.15 | 100.0 | 97.4 | 93.6 | 93.8 | 93.3 | 100.0 | 103.6 | 116.7 | 114.7 | 120.2 | 20.9 | 26.9 | | | | |
| Marche Total | 100.0 | 98.1 | 93.8 | 93.2 | 92.7 | 100.0 | 103.4 | 113.8 | 113.2 | 121.2 | 20.0 | 28.5 | | | | |
| H.C.16 | 100.0 | 96.6 | 78.0 | 69.7 | 77.8 | 100.0 | 100.9 | 98.9 | 95.2 | 87.1 | 25.5 | 9.3 | | | | |
| H.C.17 | 100.0 | 91.2 | 86.0 | 77.7 | 77.3 | 100.0 | 98.1 | 110.6 | 116.1 | 122.0 | 38.4 | 44.7 | | | | |
| H.C.18 | 100.0 | 93.7 | 80.1 | 74.7 | 74.3 | 100.0 | 98.3 | 104.8 | 102.5 | 109.6 | 27.8 | 35.3 | | | | |
| H.C.19 | 100.0 | 97.9 | 83.9 | 77.9 | 77.5 | 100.0 | 107.6 | 104.6 | 107.8 | 126.4 | 29.9 | 48.9 | | | | |
| H.C.20 | 100.0 | 102.6 | 90.4 | 86.1 | 69.4 | 100.0 | 105.2 | 103.6 | 96.6 | 97.6 | 10.5 | 28.2 | | | | |
| Lazio Total | 100.0 | 96.2 | 82.6 | 76.2 | 75.1 | 100.0 | 101.5 | 103.9 | 101.7 | 105.9 | 25.5 | 30.8 | | | | |
| CENTRAL ITALY TOTAL | 100.0 | 96.7 | 85.7 | 80.9 | 79.9 | 100.0 | 102.0 | 106.4 | 104.6 | 109.9 | 23.7 | 30.0 | | | | |

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(Continued) Table 22 – Comparison of trends for the number of in-hospital stays and costs for the purchase of goods and services in the four years considered (I.N.: 2013 = 100.0)

| Hospital Centers | Number of inpatient admissions and day-hospital admissions | | | | | | | Cost for the Purchase of Goods and services (Cod. BA010) | | | | | | | Index Number difference between costs for the Purchase of Goods and services, and admissions | | |
|--------------------------|--|-------------|-------------|-------------|-------------|--------------|--------------|--|--------------|--------------|-------------|------|------|------|--|---------|-------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | In 2016 | In 2017 |
| H.C. 21 | 100.0 | 95.0 | 89.3 | 88.8 | 88.4 | 100.0 | 97.4 | 112.6 | 97.4 | 84.3 | 8.6 | | | | | | -4.1 |
| H.C. 22 | 100.0 | 93.3 | 89.2 | 88.4 | 88.0 | 100.0 | 108.5 | 114.4 | 102.7 | 111.5 | 14.3 | | | | | | 23.5 |
| Apulia total | 100.0 | 94.4 | 89.3 | 88.7 | 88.2 | 100.0 | 100.9 | 113.1 | 99.1 | 92.9 | 10.4 | | | | | | 4.7 |
| H.C. 23 | 100.0 | 94.2 | 92.6 | 100.2 | 99.7 | 100.0 | 97.7 | 105.1 | 109.8 | 115.9 | 9.6 | | | | | | 16.2 |
| H.C. 24 | 100.0 | 95.2 | 94.3 | 88.9 | 88.5 | 100.0 | 93.8 | 108.5 | 104.4 | 109.7 | 15.5 | | | | | | 21.2 |
| H.C. 25 | 100.0 | 95.4 | 95.8 | 95.6 | 95.2 | 100.0 | 95.3 | 96.4 | 99.0 | 139.1 | 3.4 | | | | | | 43.9 |
| H.C. 26 | 100.0 | 94.0 | 92.1 | 86.7 | 86.3 | 100.0 | 108.1 | 107.4 | 113.0 | 128.8 | 26.3 | | | | | | 42.5 |
| Calabria Total | 100.0 | 94.6 | 93.3 | 92.4 | 92.0 | 100.0 | 99.2 | 105.1 | 107.4 | 121.9 | 15.0 | | | | | | 29.9 |
| H.C. 27 | 100.0 | 83.4 | 78.9 | 85.3 | 82.3 | 100.0 | 101.8 | 107.7 | 113.4 | 122.4 | 28.1 | | | | | | 40.1 |
| H.C. 28 | 100.0 | 84.2 | 80.7 | 94.4 | 93.9 | 100.0 | 105.3 | 127.4 | 129.3 | 133.6 | 34.9 | | | | | | 39.7 |
| H.C. 29 | 100.0 | 87.2 | 84.9 | 94.1 | 93.7 | 100.0 | 104.5 | 124.9 | 125.3 | 124.0 | 31.2 | | | | | | 30.3 |
| H.C. 30 | 100.0 | 83.0 | 76.4 | 84.9 | 84.5 | 100.0 | 105.8 | 114.1 | 116.2 | 123.7 | 31.3 | | | | | | 39.2 |
| H.C. 31 | 100.0 | 90.1 | 89.6 | 102.8 | 102.3 | 100.0 | 105.7 | 141.6 | 139.1 | 152.0 | 36.3 | | | | | | 49.7 |
| H.C. 32 | 100.0 | 85.0 | 80.8 | 78.6 | 78.2 | 100.0 | 105.9 | 116.8 | 113.0 | 123.3 | 34.4 | | | | | | 45.1 |
| H.C. 33 | 100.0 | 86.1 | 76.5 | 88.0 | 87.6 | 100.0 | 103.6 | 102.1 | 109.9 | 106.0 | 21.9 | | | | | | 18.4 |
| H.C. 34 | 100.0 | 86.5 | 89.3 | 113.7 | 113.2 | 100.0 | 111.9 | 149.2 | 156.7 | 141.7 | 43.0 | | | | | | 28.5 |
| Sicily Total | 100.0 | 85.8 | 82.2 | 92.5 | 91.8 | 100.0 | 105.5 | 122.6 | 124.8 | 126.5 | 32.3 | | | | | | 34.7 |
| SOUTH ITALY TOTAL | 100.0 | 89.8 | 86.2 | 91.5 | 90.9 | 100.0 | 103.2 | 117.2 | 115.1 | 116.7 | 23.6 | | | | | | 25.8 |
| OVERALL TOTAL | 100.0 | 93.7 | 92.0 | 92.6 | 93.7 | 100.0 | 101.8 | 112.9 | 112.2 | 117.9 | 19.6 | | | | | | 24.2 |

Source: survey by Ermenewa – Studi & Strategie di Sistema, 2018

But this operation was also supplemented by a calculation revaluating these “by-function” activities by way of applying the mechanism envisaged by the Ministerial Decree previously referred to: which means that the first case would yield a “real” percentage, whereas in the second case, a “virtual” percentage would be obtained, in the sense that the latter was calculated starting from revenues from health services + revenues from co-payment charges, both reconstructed through the aforementioned mechanism that generates a much larger denominator, capable of bringing the reasoning back to the level of potential support for the values recognized for “by-function” activities in view of the recovery of the balance of the Income Statement. The result of this comparison shows (see Table 23):

a) first of all, an average increase in the value recognized on the Financial Statement for the “by-function” activities that can be summarized, in terms of Index Numbers, from 100.0 in 2013 to 105.7 in 2017. But the situation may appear different, if we consider:

- the average situation in the North which shows an increase in the Index Number from 100.0 in 2013 to 120.5 in 2017, with a peak of 148.7 for the Hospital Centers in Emilia Romagna, but also for a Hospital Center in Veneto, though it should also be said that from 2014 onwards the consistent increase in Index Numbers gives a fairly clear idea of the “inflating” of “by-function” activities;
- the average situation of the Central Italian hospitals that indicate a slight increase in the Index Number, which rose from 100.0 in 2013 to 101.8 in 2017, with some exceeding even 120 points in a Lazio Hospital Center and in both Hospital Centers in Marche: but it should also be emphasized that Lazio, in 2017, 2016 and 2015, shows Index Numbers lower than 100.0, which suggest an effort to “clean up” the Financial Statements;
- and finally, the average situation in the South, which has a declining Index Number in 2017 and 2016: even if in the last year there are some peaks that approach or even exceed 120.0 as an Index Number, both in Calabria and in Sicily (but also in the South, in 2014 and 2015, there was an accentuation of the value assigned to “by-function” activities).

The item of “by-function” activities – it should be remembered – can actually include an extremely wide variety of services⁶, with the consequence of its trend being capable of reflecting both an actual and qualifying increase and implicit forms of coverage of the inefficiencies and therefore of budget covering by the Hospital Centers. This scenario might

⁶ See previous note 2.

be confirmed by what has just been mentioned and that is by a strong concentration of the increase in these revenues in the three-year period preceding 2017: which could indicate an effort put in place to “rearrange” the budgets under the pressure of the provisions of the two 2015 and 2016 Stability Laws;

- b) an assonance with respect to what has just been mentioned appears if we look at the second group of data in Table 23, which shows the trend of the impact – again in the five-year period – of the value of “by-function” activities on the total of revenues from services + revenues from co-payment charges. As can be seen, in 2017 the Hospital Centers examined showed an average incidence of 36.6%, which however was higher in the previous three years (39.1% in 2016, 40.0% in 2015, and 42.4% in 2014). It is evident that the incidence, which is more than substantial, as mentioned above, appears to be somewhat “irregular” in that it is too high compared with revenues from health services and co-payment charges, but also too concentrated by number and variability of the services rendered, which makes it difficult to understand the Income Statement of the Hospital Centers that use one entry to express up to more than 40% of the total revenues. Moreover, it should also be remembered that the average incidence of 36.6% shows obvious differences according to the territories that are being examined, because:
- in the Hospital Centers of the North this percentage drops to 32.5%, with peaks that can reach 38.3%, 44.7%, and even 71.8% for some Hospital Centers in Piedmont in 2017 (and in in this case the inappropriateness of a synthetic item that covers more than 40% of the revenues seems to all effects “irregular”);
 - in the Hospital Centers of Central Italy, the average of 36.6% drops to 24.3%, but with higher peaks for the two Hospital Centers in Marche (31.0% and 43.3%). And this is also with the particularly evident downward spikes for the Hospital Centers in Lazio seen in much more “reasonable” areas, which were also seen in previous years (suggesting a more correct assessment of the actual amount of “by-function” activities, with more realistic incidences on revenues);
 - and finally, in the Hospital Centers in the South, the average national incidence of 36.6% rises to 52.4%, with particularly high peaks in the first Hospital Center in Calabria and in three Hospital Centers in Sicily, again with reference to the 2017 data (though it is also worth noting that the percentage incidence in the previous four years is significantly higher, confirming the fact that this item was probably used for implicit budget covering).

Table 23 – Trend of revenues for “by-function” activities (I.N.: 2013 = 100.0) and comparison of the incidence of “by-function” activities on revenues for services + revenues from co-payment charges and incidence of the same, but calculated according to the provisions of the specific Ministerial Decree*

| Hospital Centers (I) | Revenues for “by-function” activities as per the IS (Cod. AA0030) | | | | | | | | | | Percentage of “by-function” activities out of revenues for services + revenues from co-payment charge | | | | | Percentage of “by-function” activities, calculated using the Ministerial Decree mechanism | | | | |
|-----------------------------|---|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|-------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 |
| | H.C. 1 | 100.0 | 86.2 | 94.1 | 111.5 | 113.6 | 33.6 | 29.6 | 31.3 | 36.8 | 38.3 | 25.1 | 22.9 | 23.8 | 26.9 | 27.7 | 25.1 | 22.9 | 23.8 | 26.9 |
| H.C. 2 | 100.0 | 103.4 | 115.7 | 140.3 | 105.3 | 34.0 | 34.8 | 37.5 | 45.1 | 33.4 | 25.3 | 25.8 | 27.3 | 31.1 | 25.0 | 25.3 | 25.8 | 27.3 | 31.1 | 25.0 |
| H.C. 3 | 100.0 | 101.0 | 102.9 | 112.4 | 115.2 | 26.7 | 27.9 | 27.5 | 29.3 | 29.7 | 21.1 | 21.8 | 21.5 | 22.6 | 22.9 | 21.1 | 21.8 | 21.5 | 22.6 | 22.9 |
| H.C. 4 | 100.0 | 96.3 | 104.9 | 116.1 | 120.9 | 39.7 | 39.4 | 41.3 | 43.7 | 44.7 | 28.4 | 28.3 | 29.3 | 30.4 | 30.9 | 28.4 | 28.3 | 29.3 | 30.4 | 30.9 |
| H.C. 5 | 100.0 | 112.0 | 111.8 | 136.6 | 121.6 | 29.2 | 34.4 | 34.3 | 40.4 | 34.7 | 22.6 | 25.6 | 25.6 | 28.8 | 25.7 | 22.6 | 25.6 | 25.6 | 28.8 | 25.7 |
| H.C. 6 | 100.0 | 97.4 | 98.8 | 100.7 | 107.6 | 66.1 | 65.7 | 65.2 | 66.9 | 71.8 | 39.8 | 39.6 | 39.5 | 40.1 | 41.8 | 39.8 | 39.6 | 39.5 | 40.1 | 41.8 |
| Piedmont Total | 100.0 | 98.4 | 102.0 | 110.1 | 110.5 | 46.7 | 46.9 | 47.4 | 50.6 | 50.5 | 37.8 | 37.9 | 37.8 | 38.2 | 38.5 | 37.8 | 37.9 | 37.8 | 38.2 | 38.5 |
| H.C. 7 | 100.0 | 147.4 | 144.8 | 175.6 | 127.4 | 22.0 | 33.0 | 32.0 | 38.7 | 26.5 | 18.0 | 24.8 | 24.2 | 27.9 | 21.0 | 18.0 | 24.8 | 24.2 | 27.9 | 21.0 |
| H.C. 8 | 100.0 | 110.8 | 134.2 | 124.8 | 110.8 | 24.2 | 26.3 | 29.9 | 26.9 | 23.0 | 19.5 | 20.8 | 23.0 | 21.2 | 18.7 | 19.5 | 20.8 | 23.0 | 21.2 | 18.7 |
| Veneto total | 100.0 | 128.8 | 139.4 | 149.8 | 118.9 | 23.1 | 29.7 | 30.9 | 32.6 | 24.7 | 18.7 | 22.9 | 23.6 | 24.6 | 19.8 | 18.7 | 22.9 | 23.6 | 24.6 | 19.8 |
| H.C. 9 | 100.0 | 131.1 | 121.6 | 123.3 | 132.1 | 15.9 | 20.4 | 18.7 | 18.9 | 20.2 | 13.7 | 17.0 | 15.8 | 15.9 | 16.8 | 13.7 | 17.0 | 15.8 | 15.9 | 16.8 |
| H.C. 10 | 100.0 | 97.0 | 105.1 | 115.3 | 115.3 | 13.9 | 13.4 | 14.5 | 15.8 | 15.8 | 12.2 | 11.8 | 12.6 | 13.7 | 13.7 | 12.2 | 11.8 | 12.6 | 13.7 | 13.7 |
| H.C. 11 | 100.0 | 127.4 | 132.6 | 135.5 | 187.8 | 16.2 | 20.7 | 21.5 | 22.0 | 19.3 | 13.9 | 17.1 | 17.7 | 18.0 | 16.2 | 13.9 | 17.1 | 17.7 | 18.0 | 16.2 |
| H.C. 12 | 100.0 | 117.1 | 120.1 | 127.7 | 135.7 | 17.5 | 20.4 | 20.8 | 21.6 | 22.3 | 14.9 | 16.9 | 17.2 | 17.7 | 18.2 | 14.9 | 16.9 | 17.2 | 17.7 | 18.2 |
| H.C. 13 | 100.0 | 210.6 | 232.2 | 199.0 | 192.3 | 17.9 | 37.0 | 40.6 | 35.0 | 33.0 | 15.2 | 27.0 | 28.9 | 25.9 | 24.8 | 15.2 | 27.0 | 28.9 | 25.9 | 24.8 |
| Emilia Romagna Total | 100.0 | 133.6 | 138.0 | 137.6 | 148.7 | 16.4 | 21.7 | 22.3 | 22.0 | 21.7 | 14.1 | 17.8 | 18.2 | 18.0 | 17.8 | 14.1 | 17.8 | 18.2 | 18.0 | 17.8 |
| NORTH ITALY TOTAL | 100.0 | 111.8 | 116.9 | 123.5 | 120.5 | 29.2 | 32.8 | 33.6 | 35.1 | 32.5 | 22.6 | 24.7 | 25.1 | 26.0 | 24.5 | 22.6 | 24.7 | 25.1 | 26.0 | 24.5 |
| H.C. 14 | 100.0 | 117.7 | 111.1 | 128.3 | 126.1 | 36.4 | 44.9 | 43.4 | 48.6 | 43.3 | 26.7 | 31.0 | 30.3 | 32.7 | 30.2 | 26.7 | 31.0 | 30.3 | 32.7 | 30.2 |
| H.C. 15 | 100.0 | 124.5 | 139.4 | 129.1 | 121.2 | 25.9 | 34.4 | 39.0 | 34.3 | 31.0 | 20.6 | 25.6 | 28.0 | 25.5 | 23.7 | 20.6 | 25.6 | 28.0 | 25.5 | 23.7 |
| Marche Total | 100.0 | 121.5 | 127.1 | 128.7 | 123.4 | 29.6 | 38.2 | 40.5 | 39.3 | 35.5 | 22.9 | 27.6 | 28.8 | 28.2 | 26.2 | 22.9 | 27.6 | 28.8 | 28.2 | 26.2 |
| H.C. 16 | 100.0 | 116.0 | 88.8 | 76.5 | 81.2 | 24.3 | 28.6 | 22.5 | 20.2 | 21.4 | 19.6 | 22.2 | 18.4 | 17.7 | 17.7 | 19.6 | 22.2 | 18.4 | 16.8 | 17.7 |
| H.C. 17 | 100.0 | 141.8 | 97.5 | 81.2 | 75.7 | 16.8 | 25.6 | 15.5 | 13.3 | 12.4 | 14.4 | 20.4 | 13.4 | 11.7 | 11.0 | 14.4 | 20.4 | 13.4 | 11.7 | 11.0 |
| H.C. 18 | 100.0 | 111.8 | 89.2 | 85.7 | 85.2 | 29.0 | 33.8 | 26.2 | 25.1 | 24.3 | 22.5 | 25.3 | 20.8 | 20.0 | 19.6 | 22.5 | 25.3 | 20.8 | 20.0 | 19.6 |
| H.C. 19 | 100.0 | 123.2 | 103.1 | 95.9 | 95.8 | 14.2 | 17.5 | 14.2 | 12.9 | 12.2 | 12.4 | 14.9 | 12.4 | 11.4 | 10.9 | 12.4 | 14.9 | 12.4 | 11.4 | 10.9 |
| H.C. 20 | 100.0 | 112.5 | 109.0 | 108.9 | 124.8 | 17.9 | 19.3 | 17.6 | 17.2 | 19.1 | 15.2 | 16.1 | 14.9 | 14.6 | 16.0 | 15.2 | 16.1 | 14.9 | 14.6 | 16.0 |
| Lazio Total | 100.0 | 116.8 | 93.8 | 86.9 | 89.6 | 22.4 | 26.6 | 20.7 | 19.2 | 19.4 | 18.3 | 21.0 | 17.1 | 16.3 | 16.3 | 18.3 | 21.0 | 17.1 | 16.3 | 16.3 |
| CENTRAL ITALY TOTAL | 100.0 | 118.5 | 105.9 | 102.1 | 101.8 | 24.6 | 30.0 | 26.3 | 25.1 | 24.3 | 19.7 | 23.1 | 20.8 | 20.1 | 19.5 | 19.7 | 23.1 | 20.8 | 20.1 | 19.5 |

(Continued) Table 23 – Trend of revenues for “by-function” activities (I.N.: 2013 = 100,0) and comparison of the incidence of “by-function” activities on revenues for services + revenues from co-payment charges and incidence of the same, but calculated according to the provisions of the specific Ministerial Decree*

| Hospital Centers (1) | Revenues for “by-function” activities as per the IS (Cod. AA0030) | | | | | | | | | | Percentage of “by-function” activities out of revenues for services + revenues from co-payment charge | | | | | Percentage of “by-function” activities, calculated using the Ministerial Decree mechanism | | | | | | |
|--------------------------|---|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|-------------|---|------|------|------|------|------|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | |
| H.C. 21 | 100,0 | 117,1 | 97,4 | 96,5 | 99,5 | 52,6 | 60,6 | 48,5 | 51,3 | 55,6 | 34,5 | 37,7 | 32,7 | 33,9 | 35,7 | | | | | | | |
| H.C. 22 | 100,0 | 103,6 | 93,2 | 92,8 | 99,0 | 47,1 | 48,8 | 41,6 | 44,3 | 44,7 | 32,0 | 32,8 | 29,4 | 30,7 | 30,9 | | | | | | | |
| Apulia total | 100,0 | 112,7 | 96,0 | 95,3 | 99,3 | 50,7 | 56,4 | 46,0 | 48,8 | 51,5 | 33,6 | 36,1 | 31,5 | 32,8 | 34,0 | | | | | | | |
| H.C. 23 | 100,0 | 99,4 | 104,0 | 78,6 | 85,4 | 84,3 | 84,6 | 89,1 | 55,6 | 60,0 | 45,8 | 45,8 | 47,1 | 35,7 | 37,5 | | | | | | | |
| H.C. 24 | 100,0 | 98,1 | 98,1 | 86,6 | 64,7 | 69,2 | 67,8 | 67,7 | 56,2 | 38,6 | 40,9 | 40,4 | 40,4 | 36,0 | 27,9 | | | | | | | |
| H.C. 25 | 100,0 | 96,6 | 3,0 | 154,1 | 118,5 | 39,4 | 38,1 | 1,0 | 47,3 | 29,5 | 28,3 | 27,6 | 1,0 | 32,1 | 22,8 | | | | | | | |
| H.C. 26 | 100,0 | 100,0 | 91,7 | 91,5 | 92,7 | 66,5 | 67,1 | 62,2 | 55,7 | 52,3 | 40,0 | 40,2 | 38,3 | 35,8 | 34,4 | | | | | | | |
| Catabria Total | 100,0 | 99,0 | 92,4 | 89,4 | 83,5 | 69,6 | 69,3 | 63,6 | 54,7 | 47,4 | 41,0 | 40,9 | 38,9 | 35,4 | 32,2 | | | | | | | |
| H.C. 27 | 100,0 | 106,6 | 106,2 | 106,5 | 92,3 | 53,3 | 59,1 | 55,2 | 55,3 | 44,2 | 34,8 | 37,1 | 35,5 | 35,6 | 30,7 | | | | | | | |
| H.C. 28 | 100,0 | 112,5 | 104,1 | 104,7 | 103,9 | 45,4 | 52,6 | 45,0 | 41,8 | 41,6 | 31,2 | 34,5 | 31,0 | 29,5 | 29,4 | | | | | | | |
| H.C. 29 | 100,0 | 102,1 | 106,1 | 103,8 | 93,7 | 62,7 | 63,7 | 60,3 | 57,5 | 52,9 | 38,5 | 38,9 | 37,6 | 36,5 | 34,6 | | | | | | | |
| H.C. 30 | 100,0 | 130,8 | 111,1 | 100,2 | 82,8 | 86,3 | 117,8 | 96,4 | 84,6 | 72,1 | 46,3 | 54,1 | 49,1 | 45,8 | 41,9 | | | | | | | |
| H.C. 31 | 100,0 | 99,8 | 95,0 | 94,4 | 106,6 | 47,8 | 45,9 | 39,0 | 36,6 | 41,8 | 32,3 | 31,5 | 28,1 | 26,8 | 29,5 | | | | | | | |
| H.C. 32 | 100,0 | 112,5 | 104,5 | 93,2 | 90,5 | 73,4 | 84,1 | 72,9 | 62,1 | 60,2 | 42,3 | 45,7 | 42,2 | 38,3 | 37,6 | | | | | | | |
| H.C. 33 | 100,0 | 114,3 | 112,8 | 101,8 | 88,8 | 89,7 | 103,3 | 101,7 | 86,2 | 77,2 | 47,3 | 50,8 | 50,4 | 46,3 | 43,6 | | | | | | | |
| H.C. 34 | 100,0 | 151,9 | 150,2 | 128,0 | 127,1 | 50,1 | 76,2 | 64,9 | 47,0 | 50,1 | 33,4 | 43,3 | 39,4 | 32,0 | 33,4 | | | | | | | |
| Sicily Total | 100,0 | 114,7 | 110,4 | 102,9 | 95,7 | 63,6 | 73,7 | 65,7 | 57,8 | 54,4 | 38,9 | 42,4 | 39,7 | 36,6 | 35,2 | | | | | | | |
| SOUTH ITALY TOTAL | 100,0 | 111,3 | 104,1 | 98,8 | 94,1 | 61,5 | 68,7 | 60,6 | 55,3 | 52,4 | 38,1 | 40,7 | 37,7 | 35,6 | 34,4 | | | | | | | |
| OVERALL TOTAL | 100,0 | 112,5 | 109,4 | 109,1 | 105,7 | 37,3 | 42,4 | 40,0 | 39,1 | 36,6 | 27,2 | 29,8 | 28,6 | 28,1 | 26,8 | | | | | | | |

(*) Ministerial Decree implementing Art. 1, paragraph 526 of the 2016 Stability Law, starting from Art. 8-sexies of Legislative Decree 502/1992 and subsequent amendments.

(1) Processing of the Income Statement data of the individual Hospital Centers and University Hospital Centers, shown in Table App. 1.

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

The incidence of “by-function” activities on revenues from services + revenues from co-payment charges effectively indicated in the Income Statements, winds up reaffirming the item as an “inflationary anomaly”, which has been variously modulated during the five-year period examined;

- c) finally, it is interesting to take into consideration the last group of data in Table 23, in which the recalculation of the percentage incidence of the value on the financial statements for the “by-function” activities was shown, applying the “generous” criterion of the frequently cited Ministerial Decree. This recalculation defines a theoretical maximum flat-rate limit of 30%: even if the corresponding value in the financial statements should be recognized only for those Hospital Centers that have actually performed particularly numerous and especially high-quality activities. As can be seen, the percentages thus calculated are more limited than the real ones, shown in the second group of data in Table 23, and this is due to the obvious reason that the calculation mechanism artificially increases the base upon which the incidence is calculated. And despite this some of the Hospitals are approaching and sometimes exceeding the same (theoretical) limit of 30%. It can be observed that this limit is exceeded:
- by the Hospital Centers in Southern Italy, reaching 34.4%, followed by 24.5% for the Hospital Centers in the North, and 19.5% of the Hospital Centers in Central Italy: though it must be remembered that the value of these incidences correspond to the real incidences on revenues from health care services + revenues for co-payment charges, which are 52.4% for the South, 32.5% for the North, and 24.3% for Central Italy (values that are therefore already substantial);
 - by almost all of the Hospital Centers in Sicily, by two out of four Hospital Centers in Calabria, by both the Hospitals in Apulia, by one in Marche, and by two in Piedmont.

It is clear that if we were to apply the percentage of “by-function” activities actually recognizable on the basis of the quantity and quality of the services, even with the “generous” calculation provided for by the Ministerial Decree, the potential extra-revenues would assume an even more substantial size.

At this point it is also worth considering the operating results of the Hospital Centers for the last 5 years examined, as well as the incidence of these results on revenues from services + revenues from co-payment charges. Regarding this, the following reflections can be made on the basis of the data contained in Table 24, which show that:

- a) the comparison between costs and revenues of Hospitals in some Regions is striking when it assumes the characteristics of a perfect balance, this situation is absolutely unlikely in any type of public or private financial statement: this result, in other words, inevitably suggests that the items have been adjusted during the preparation of data for the final balance sheet. But this does not mean that we are always and in each case dealing with a “somewhat irregular” solution, though it is certain that in some cases compensatory support interventions may exist thanks to the item of revenues for “by-function” activities. The perfect balance of the cited Budget regards the Hospital Centers of Emilia Romagna, Marche, Sicily and, (to a greater or lesser extent) a portion of the Hospital Centers in Piedmont, Veneto, Apulia and Calabria;
- b) furthermore, in the Hospital Centers that report or have reported an imperfect balance between costs and revenues, a decrease in losses between 2013 and 2017 can be seen that also meets the objectives of the 2015 and 2016 Stability Laws. With specific regard to Lazio, when considering the incidence of losses over the five-year period, we can see a progressive effort to reduce losses. Though it cannot help but be noted that the high percentage of the losses expresses a clear counter-trend with respect to the Hospital Centers of the other Regions, probably due to the efforts made in this regard, within the realm of compulsory administration actions, which are probably oriented towards an explication of the real deficit, and this phenomenon also occurred in one or two other Southern Hospital Centers. In any case, with the exception of Lazio, the percentage incidence of the losses shown in Table 24 is well below the 7% limit set by the 2016 Stability Law.

Table 24 – Operating results of the Hospital Centers in the four years considered (in thousands of euros)

| Hospital Centers | Operating results as per the IS (A.V.) | | | | | | Percentage of the operating results (+/-) on revenues from services + co-payment charges | | | | | |
|-----------------------------|--|-----------------|-----------------|-----------------|-----------------|--|--|--------------|--------------|--------------|--------------|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C. 1 | 0 | -10,147 | -7716 | 0 | 1926 | | 0.0 | -9.5 | -7.0 | 0.0 | 1.8 | |
| H.C. 2 | -5,990 | -12,852 | -18,864 | -6,428 | -2,406 | | -3.2 | -6.8 | -9.6 | -3.2 | -1.2 | |
| H.C. 3 | 0 | -5,619 | 0 | - | - | | 0.0 | -3.2 | 0.0 | 0.0 | 0.0 | |
| H.C. 4 | 0 | -5,737 | -4,486 | - | 1,180 | | 0.0 | -3.8 | -2.8 | 0.0 | 0.7 | |
| H.C. 5 | 0 | -8,432 | -6,568 | - | -1,495 | | 0.0 | -6.8 | -5.3 | 0.0 | -1.1 | |
| H.C. 6 | -12,750 | -30,648 | -15,081 | -11,040 | -17,478 | | -2.3 | -5.6 | -2.7 | -2.0 | -3.2 | |
| Piedmont Total | -18,740 | -73,435 | -52,715 | -17,468 | -18,273 | | -1.4 | -5.7 | -4.0 | -1.3 | -1.4 | |
| H.C. 7 | -25,609 | -22,835 | -17,047 | -10,491 | - | | -6.0 | -5.4 | -4.0 | -2.5 | 0.0 | |
| H.C. 8 | -24,950 | -13,451 | 1,000 | - | - | | -6.2 | -3.3 | 0.2 | 0.0 | 0.0 | |
| Veneto total | -50,559 | -36,286 | -16,047 | -10,491 | | | -6.1 | -4.4 | -1.9 | -1.2 | 0.0 | |
| H.C. 9 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 10 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 11 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 12 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 13 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Emilia Romagna Total | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| NORTH ITALY TOTAL | -69,299 | -109,721 | -68,762 | -27,959 | -18,273 | | -2.0 | -3.1 | -1.9 | -0.8 | -0.5 | |
| H.C. 14 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 15 | 0 | 0 | 0 | 0 | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Marche Total | 0 | - | - | - | - | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 16 | -151,274 | -158,632 | -161,799 | -155,718 | -130,712 | | -60.9 | -64.8 | -67.9 | -68.0 | -57.1 | |
| H.C. 17 | -91,594 | -102,291 | -98,853 | -81,733 | -83,599 | | -71.8 | -85.9 | -73.3 | -62.3 | -63.8 | |
| H.C. 18 | -77,273 | -74,610 | -92,543 | -140,252 | -104,166 | | -23.4 | -23.6 | -28.5 | -42.9 | -31.1 | |
| H.C. 19 | -102,291 | -53,708 | -54,160 | -49,108 | -41,510 | | -74.5 | -39.2 | -38.3 | -33.9 | -27.3 | |
| H.C. 20 | -55,349 | -73,601 | -62,567 | -41,794 | -24,902 | | -31.7 | -40.4 | -32.3 | -21.1 | -12.2 | |
| Lazio Total | -477,781 | -462,842 | -469,922 | -468,605 | -384,889 | | -46.9 | -46.3 | -45.5 | -45.5 | -36.6 | |
| CENTRAL ITALY TOTAL | -477,781 | -462,842 | -469,922 | -468,605 | -384,889 | | -32.8 | -32.8 | -32.6 | -32.2 | -25.6 | |

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(Continued) Table 24 – Operating results of the Hospital Centers in the four years considered (in thousands of euros)

| Hospital Centers | Operating results as per the IS (A.V.) | | | | | | Percentage of the operating results (+/-) on revenues from services + co-payment charges | | | | | |
|--------------------------|--|------------------|------------------|------------------|------------------|--|--|---------------|---------------|---------------|--------------|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C. 21 | 0 | 0 | - 28,102 | - 19,736 | - 9,740 | | 0.0 | 0.0 | - 8.7 | - 6.5 | - 3.4 | |
| H.C. 22 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Apulia total | 0 | - | - 28,102 | - 19,736 | - 9,740 | | 0.0 | 0.0 | - 5.6 | - 4.2 | - 2.1 | |
| H.C. 23 | - 4,584 | - 6,007 | - 1,880 | 0 | 0 | | - 4.6 | - 6.1 | - 1.9 | 0.0 | 0.0 | |
| H.C. 24 | - 1,682 | - 3,764 | - 2,265 | - | - 12,930 | | - 1.7 | - 3.9 | - 2.3 | 0.0 | - 11.4 | |
| H.C. 25 | - 15,516 | - 14,562 | - 29,858 | - 42,000 | - 12,319 | | - 41.2 | - 38.7 | - 67.1 | - 86.7 | - 20.6 | |
| H.C. 26 | 0 | - 17377 | - 20279 | 0 | 0 | | 0.0 | - 18.2 | - 21.5 | 0.0 | 0.0 | |
| Calabria Total | - 21,782 | - 41,710 | - 54,282 | - 42,000 | - 25,249 | | - 6.6 | - 12.6 | - 16.2 | - 11.1 | - 6.2 | |
| H.C. 27 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 28 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 29 | 0 | 788 | 0 | 0 | 0 | | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | |
| H.C. 30 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 31 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 32 | 0 | 2,456 | 2,680 | 0 | 0 | | 0.0 | 1.6 | 1.6 | 0.0 | 0.0 | |
| H.C. 33 | 0 | 0 | 0 | 0 | 0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| H.C. 34 | 0 | 2209 | 0 | 1120 | 0 | | 0.0 | 1.8 | 0.0 | 0.7 | 0.0 | |
| Sicily Total | - | 5,453 | 2,680 | 1,120 | | | 0.0 | 0.5 | 0.2 | 0.1 | 0.0 | |
| SOUTH ITALY TOTAL | - 21,782 | - 36,257 | - 79,704 | - 60,616 | - 34,989 | | - 1.1 | - 1.9 | - 3.9 | - 2.8 | - 1.6 | |
| OVERALL TOTAL | - 568,862 | - 608,820 | - 618,388 | - 557,180 | - 438,151 | | - 8.2 | - 8.8 | - 8.7 | - 7.7 | - 5.8 | |

(1) Processing of the Income Statement data of the individual Hospital Centers and University Hospital Centers, shown in Table App. 1.
Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

4.2. An estimate of the impact of inefficiencies on the expenditure of public hospital facilities

After taking into consideration some “anomalies”, and detecting the possible presence of “irregular” extra-revenues, some projections were made of the total public hospital expenditure. The starting point is once again the “by-function” activities and their particularly high amount, especially if we take into account the provisions of the Ministerial Decree implementing Art. 1, paragraph 526, of the 2016 Stability Law, based on Art. 8-*sexies* of Legislative Decree 502/1992 and subsequent amendments (repeatedly mentioned in these pages). This is also because the route from the anomalies to the “irregular” extra-revenues can assume the characteristics of an implicit form of budget covering.

As highlighted in detail in Section 1 of the Appendices, dedicated to the methodology used for this, the following procedures were followed:

- first of all, the “theoretical” amount of “by-function” activities that would exceed the three rates (already high in themselves) of 20%, 25% and 30% was given a value, calculated according to the aforementioned Ministerial Decree on the total revenues from health care services + co-payment charges;
- in the second place, the difference between the “theoretical” amount of “by-function” activities that would be lower than the “real” amount, which would be greater, thus arriving at a negative imbalance of potential extra-revenues to which the actual results of the fiscal year 2017 have been added (some with a perfect balance and some with a loss);
- the aforementioned exercise was reported in its entirety in the Tables in App. 4, App. 5, and App. 6 of the statistical Appendices, but a summary of the comparison, shown in Table 25 below, was also prepared. From it we can see how an initial “differentiation” of potential implicit extra-revenues emerges, from a minimum of EUR 802 million (which represents the compensation that would go beyond the theoretical 30% for the “by-function” activities) to a maximum of EUR 1,440 million (which would constitute the value of “by-function” activities if 20% were applied as a percentage).

However, we can get even closer to a more precise estimate if we remember that a theoretical amount of the “by-function” activities equal to 20%, calculated according to the methods set out in the Ministerial Decree corresponds to a “real” incidence of about 25% on the health care services + co-payment charges and, that 30%, again calculated according to the Ministerial

Decree methods, would actually correspond to 44% of “by-function” activities on the Income Statement: these are therefore absolutely high values that would imply the performance of a significant number of services with a consistent quality level. It should therefore be emphasized that the result of the calculations shown in Table 25, which allow for the determination of the EUR 802-1,440 million spread, could be significantly more substantial.

Moreover, continuing the completely prudential reasoning that has been utilized (and that it would be better defined as decidedly “generous”) serves (see again Section 1 of the Appendices):

- on the one hand, to add in the estimate for the remaining 10 Hospital Centers not included in the 34 examined, for which the relative differentiation gap would be between EUR 236 and 424 million, by adopting an assessment that reflects the average of the aforementioned 34 Centers;
- and, on the other hand, to add to the latter values of EUR 802-1,440 million, that yields a total of extra-revenues between EUR 1,038 and 1,864 million.

If we then extend the estimate to include the directly managed hospitals that at present also include the 29 former Hospital Centers in Lombardy, as well as the 2 in Friuli Venezia Giulia and Sardinia that have integrated activities previously associated with the local health authorities, it is possible to hypothesize a doubling of the total figure just mentioned, also because the total public expenditure for the Hospital Centers is only a little lower than the expenditure for directly managed hospitals. But if we assume an identical estimate, accepting the scenario of a level of efficiency/inefficiency of the directly managed Hospitals equal to that of the Hospital Centers (a very optimistic assumption, by the way) we would arrive at a further differentiation of EUR 1,038-1,864 million.

The conclusion is that the total estimate of the implicit extra-revenues, calculated at more than the minimum, present within the public hospital system would be equal to the sum of the values previously mentioned, i.e. EUR 2,076-3,728 million. It is clear that a more precise estimate would require the ability to assess the suitability of the recognition of “by-function” activities actually performed and weighed according to their quality for each individual Hospital Center, which would probably lead to a reduction of the items in the financial statements and a worsening of the operating results. And a similar assessment would also need to be prepared for the directly managed Hospitals.

Finally, to sum up what has been set forth in Sections 4.1 and 4.2, it is worth recalling that the underlying reasons for the monitoring carried out

annually on the Income Statements of the Hospital Centers are those necessitated by the following:

- making the level of efficiency/inefficiency in the management of public hospitals more transparent and consequently being able to compare the different performance levels between different facilities, since the average data can be deceptive and underestimate the differences not presenting a true picture of the actual situation and, therefore, making it impossible to “reward” the better facilities and penalize the worst ones (for which the real contextual conditions must of course be carefully evaluated);
- being able to intervene in a timely manner and not only after the fact when the results of inefficient management have already become manifest and are often accumulated over the years, with the inevitable consequence of being placed under compulsory administration;
- freeing up potential hidden financial resources that can and must be better used to reorganize and better equip hospital facilities, as well as to perform regular and extraordinary maintenance as needed;
- contributing to transforming a collective culture that accepts public inefficiency too easily instead of making the best use of the (scarce) resources available;
- evaluating what the public service really costs, examining and weighing all the legitimate expenditure components (in relation to the services actually rendered and the quality it has been possible to provide) in order to make “how much is spent to obtain something” transparent and justified;
- and finally, unifying the payment schemes used for public facilities with those for the accredited private facilities for the same services provided: please note that the latter are paid exclusively on the basis of the DRGs that include not only operating but also investment costs, whereas the former (and for now only the Hospital Centers and not the directly managed hospitals) also receive capital contributions in addition to the DRGs and, traditionally, also contributions for contract renewals.

Of course, it is not only the “by-function” activities item that can hide significant inefficiency amounts and the presence of irregular extra-revenues that become de facto forms of balancing budgets, there are also many other items that can be explored. But it is clear that “by-function” activities often have such a high incidence on hospital production (+ co-payment charges) that they go beyond any understandable management workings. Not to mention the fact that they do not allow for legitimate and effective transparency of the financial statements that must be accessible and comparable. This does

not detract from the fact that the need for territorial oversight must be legitimately kept in mind, as the public system must ensure this in any case, sometimes even with amounts of losses, but on condition that this is transparent and justified.

It is evident that – and we said as much with the proposal put forward last year – that there is a need to introduce a detailed report of the “by-function” activities actually performed, perhaps supplemented by a cost-benefit analysis, in order to link the compensation paid to this activity not only to the number of patients treated but also to the quality of the services provided and their results. This would overcome the prevailing tendency to finance the organization as it is at present, with its built-in relative inefficiencies that do not make it possible to distinguish, based on an understanding of the facts, worthy and efficient facilities from inefficient and undeserving facilities.

Table 25 – Summary of potential extra-revenues in the Hospital Centers examined (in thousands of euros)¹

| Hospital Centers by geographical area | 2017 operating results as per the IS | Calculation of extra-revenues in the Ministerial Decree scenario at 20% | Calculation of extra-revenues in the Ministerial Decree scenario at 25% | Calculation of extra-revenues in the Ministerial Decree scenario at 30% | Total Potential Extra-revenues | | |
|---------------------------------------|--------------------------------------|---|---|---|--|--|--|
| | | | | | Operating losses + Ministerial Decree calculation at 20% | Operating losses + Ministerial Decree calculation at 25% | Operating losses + Ministerial Decree calculation at 30% |
| North | - 18,273 | 503,721 | 387,343 | 307,867 | - 385,546 | - 255,998 | - 180,386 |
| Center | - 384,889 | 112,712 | 54,853 | 70,525 | - 432,198 | -401,226 | - 385,554 |
| South and Islands | - 34,989 | 540,781 | 623,427 | 604,805 | - 628,657 | - 412,651 | - 236,487 |
| Italy Total | - 438,151 | 1,157,213 | 1,065,623 | 983,197 | - 1,446,401 | - 1,069,875 | - 802,427 |

(1) The data relating to the public Hospital Centers examined has been grouped by geographical area, whereas the detailed data can be found in the Tables App. 4, App. 5, and App. 6 of Section 1 of the Appendices.

Source: Survey by Ermencia – Studi & Strategie di Sistema, 2018

Part Two

Statistical indicators

1. Facility data

1.1. Number of public and accredited private medical institutions

As we continue to await the publication of the 2014 edition of the “Management and Financial Activities of the Local Health Authority and Hospital Centers” Report, which reports the data for facility and activity in the sector, again this year the alternative source “Open Data” published by the Ministry of Health was used, now available in the 2010-2016 edition. According to the information available in this area of the Ministry of Health web portal, the progressive restructuring of the Italian hospital landscape which, since 2004, has affected, above all, the network of public facilities, continues, even if in less a marked manner than in previous years. This network has, as has already been mentioned several times, in fact been subject to aggregations and transformations into new types of institutions, mainly from a hospital system directly managed by local health authorities towards new organizational forms within variously articulated Hospital-Center systems (Hospital Centers, Centers integrated with universities, Centers integrated with the NHS). In the private sector, however, the trend, already found in some Regions, especially Lazio, of the reconversion or the actual downgrading of many accredited facilities into production centers with distinctly long-term, residential or even territorial characteristics is clearly seen.

More in general, data from the Ministry of Health indicate for 2016 a further reduction compared to four units among the hospitals under the direct management of the local health authority the year before, of nine accredited healthcare facilities. Compared to 2012, the new reference year for the data presented, it can be seen that the total of public and private healthcare institutions decreased from 1,091 to 1,034 units in 2016, a total reduction of -5.2%. Tables S/1 and S/2 show, in particular:

- in the public sector, above all a reduction in the directly managed Hospitals (-8.4%), followed by the ‘pure’ Hospital Centers (-3.4%), for the most part probably merged into the ranks of the Hospital Centers integrated with the NHS, which increased by 12.5% between 2012 and 2016; overall, public healthcare and assimilated institutions have seen a gradual decline during the period considered, with a final delta of -6.4%, although it must be pointed out that there are more reconversions of types or aggregations than of real divestments;
- in the context of private institutions in the strict sense (accredited healthcare facilities), there is confirmation of the trend towards a less pronounced downsizing, which saw its presence in the hospital system decrease from 512 units in 2012 to 492 in 2016 (-3.9%).

The ratio of public hospitals (in their traditional ministerial classification that includes assimilated institutions) to private hospitals (accredited healthcare facilities) within the total number of hospital institutions shows a national average of 52.4% for the former and 47.6% for the latter (Table S/4), and is fairly well balanced in most Italian regions, again keeping in mind the larger size and the average number of patient beds found in the public institutions.

Considering the ratio of public/private institutions from Region to Region as reported in the data for 2016, we can see in which geographical areas there is a greater number of public institutions and where there is a sort of balance of the ‘somewhat mixed system’ between these two sectors (Table S/4):

- a greater number of public facilities is found especially in Basilicata, Sardinia, Friuli Venezia Giulia, Veneto, Umbria, Liguria, Tuscany, Molise, Abruzzo, and in the autonomous province of Trento;
- the presence of a somewhat mixed system (with greater balance between the types of institutions) is instead found mainly in Campania, Lombardy, Lazio, Piedmont, Calabria, the Aosta Valley, and Sicily.

1.2. Bed distribution

Focusing on the analysis of number of beds, rather than on the number of healthcare institutions, whose public/private ratios are, as has already been mentioned, strongly affected by institutions’ size, it can be seen that in Italy there were just over 193,000 beds available in 2016, divided up in a rather stable distribution over time, i.e. 79% belonging to the public category in the broad sense and 21% to the category of accredited private healthcare facilities (Table S/5).

The territorial distribution still favors the North, with Central Italy and the South following in that order in the case of public facilities, and vice versa for private facilities.

The data percentages presented in Table S/5 also reveal steady territorial distribution for public and private patient beds given the desirable aim of achieving a balance of the “mixed system”, although this system is uncertain and increasingly being called into question by the unsettling measures regarding the reorganization of the hospital system network, the approval procedure for which is currently in the delicate phase of regional implementation.

If we give a look at the distribution of patient beds by Region (again using the percentages contained in Table S/5), we can see that the greatest numbers for public facilities belong to Basilicata (94.7%), Liguria (94.5%), Veneto and Umbria (91.4%). On the other hand, the greatest numbers of patient beds in accredited private healthcare facilities belong mainly to Campania (35.6%), Calabria (33.7%), the Autonomous Province of Trento (27.9%), Sicily (27.1%), Abruzzo (26.1%), Lazio (25.9%), Emilia Romagna (22.8), and Piedmont (21.9%).

For the component of the accredited private sector offer represented by the AIOP facilities, it is instead possible to present an update to 2018, with a comparison limited to 2016 compared to the other private service components in Table S/6. This shows almost 31,000 beds for inpatient-admission purposes out of a total of just over 40,000, a percentage amounting to nearly 76%. This is a comparison valid for the “healthcare facility” type only.

The Regional distribution of AIOP’s network of accredited institutions in 2018 shows a concentration among NHS accredited facilities according to the most prevalent nosological classifications (Table S/7):

- multi-specialist (181 out of 492 institutions);
- RSA/assisted living homes (100 out of 492 institutions);
- surgical (70 institutes of 492);
- rehabilitation (69 out of 492 institutions);
- neuro-psychiatry (35 out of 492 institutions);
- long-stay care (20 out of 492 institutions)
- medical (17 out of 492 institutions).

If we consider the different types of activities (see Tables S/8 and S/9), also belonging to the AIOP-associated institutions (2018), the greater concentrations at the national level are, in descending order: surgical, medical, rehabilitation, assisted living homes (R.S.A., Residenze Sanitarie Assistenziali), neuro-psychiatry, and long-stay care. There is also a large and signif-

icant amount for highly specialized areas (almost 1,000 patient beds), especially cardiac surgery.

1.3. Medical equipment

Even the distribution of allocations of equipment is affected by the failed update of 2014 data for the technological apparatus that supports and qualifies hospital activity and in most Italian regions also makes an important contribution in terms of assistance to the area. The 2013 situation may be deduced as per regional distribution and type of equipment from Table S/10 (for public facilities), Table S/11 (for accredited healthcare facilities), and from Table S/12 (for non-accredited healthcare facilities).

The data, presented once again in this report, seemed to confirm the significance of the contribution that the private hospital component provides to the supply of advanced technological services, continuing to ensure significant territorial compensation within the repeatedly invoked concept of the “mixed system”.

Table S/10 (Public facilities) highlights that the bulk of the most sophisticated equipment (Computerized Axial Tomography – CT, Hemodialysis machines – HD, Magnetic Resonance Tomography – MRT, Linear Accelerators – LINACs) are mainly concentrated in hospitals in the North of Italy, except for Hyperbaric Chambers, which are much widespread in the South.

With reference to this equipment, Table S/11 shows how private facilities tend to “compensate” this imbalance with significant amounts of their own equipment situated in the South compared to the rest of the country, including Hyperbaric Chambers, CAT devices and Hemodialysis machines.

Table S/1 – Evolution in the number of public and assimilated, and private institutions (accredited healthcare facilities)

| | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | A.V. | % | A.V. | % | A.V. | % | A.V. | % | A.V. | % |
| - Hospital Centers | 59 | 5.4 | 59 | 5.5 | 59 | 5.6 | 57 | 5.4 | 57 | 5.5 |
| - Directly managed hospitals | 379 | 34.7 | 362 | 33.9 | 350 | 33.1 | 351 | 33.5 | 347 | 33.6 |
| - Hospital Centers integrated with the NHS | 8 | 0.7 | 8 | 0.7 | 9 | 0.9 | 9 | 0.9 | 9 | 0.9 |
| - Hospital Centers integrated with universities | 19 | 1.7 | 19 | 1.8 | 18 | 1.7 | 18 | 1.7 | 18 | 1.7 |
| - University hospitals | 2 | 0.2 | 2 | 0.2 | 2 | 0.2 | 2 | 0.2 | 2 | 0.2 |
| - Institutes for Treatment and Research | 62 | 5.7 | 62 | 5.8 | 62 | 5.9 | 64 | 6.1 | 63 | 6.1 |
| - Religiously-affiliated hospitals | 30 | 2.7 | 28 | 2.6 | 28 | 2.7 | 27 | 2.6 | 26 | 2.5 |
| - Institutes-ASL Facilities | 17 | 1.6 | 17 | 1.6 | 19 | 1.8 | 18 | 1.7 | 18 | 1.7 |
| - Research facilities | 3 | 0.3 | 3 | 0.3 | 3 | 0.3 | 2 | 0.2 | 2 | 0.2 |
| <i>Subtotal</i> | <i>579</i> | <i>53.1</i> | <i>560</i> | <i>52.4</i> | <i>550</i> | <i>52.1</i> | <i>548</i> | <i>52.2</i> | <i>542</i> | <i>52.4</i> |
| - Private hospitals (accredited healthcare facilities) | 512 | 46.9 | 509 | 47.6 | 506 | 47.9 | 501 | 47.8 | 492 | 47.6 |
| <i>Grand Total</i> | <i>1,091</i> | <i>100.0</i> | <i>1,069</i> | <i>100.0</i> | <i>1,056</i> | <i>100.0</i> | <i>1,049</i> | <i>100.0</i> | <i>1,034</i> | <i>100.0</i> |

Source: data processed from the Report on "Attività gestionali ed economiche delle Usl e Aziende ospedaliere", Ministry of Health, Years 2012 and 2013 and Ministry of Health – Open Data 2014-2016

Table S/2 – Evolution in the number of public and assimilated, and accredited private institutions (% increase)

| | 2013/2012 | 2014/2013 | 2015/2014 | 2016/2015 | 2016/2012 |
|--|-----------|-----------|-----------|-----------|-----------|
| - Hospital Centers | 0.0 | 0.0 | -3.4 | 0.0 | -3.4 |
| - Directly managed hospitals | -4.5 | -3.3 | 0.3 | -1.1 | -8.4 |
| - Hospital Centers integrated with the NHS | 0.0 | 12.5 | 0.0 | 0.0 | 12.5 |
| - Hospital Centers integrated with universities | 0.0 | -5.3 | 0.0 | 0.0 | -5.3 |
| - University hospitals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| - Institutes for Treatment and Research | 0.0 | 0.0 | 3.2 | -1.6 | 1.6 |
| - Religiously-affiliated hospitals | -6.7 | 0.0 | -3.6 | -3.7 | -13.3 |
| - Institutes-ASL Facilities | 0.0 | 11.8 | -5.3 | 0.0 | 5.9 |
| - Research facilities | 0.0 | 0.0 | -33.3 | 0.0 | -33.3 |
| <i>Subtotal</i> | -3.3 | -1.8 | -0.4 | -1.1 | -6.4 |
| - Private hospitals (accredited healthcare facilities) | -0.6 | -0.6 | -1.0 | -1.8 | -3.9 |
| <i>Grand Total</i> | -2.0 | -1.2 | -0.7 | -1.4 | -5.2 |

Source: data processed from the Report on "Attività Gestionali ed economiche delle Usl e Aziende ospedaliere", Ministry of Health, Years, 2012 and 2013 and Ministry of Health – Open Data 2014-2016

Table S/3 – Public and assimilated, and private institutions (accredited healthcare facilities), by region, Year 2016 (A.V.)

| Regions | Hospital Centers | Directly managed hospitals | Hospital Centers integrated with the NHS | Hospital Centers integrated with universities | University hospitals | Institutes for Treatment and Research | Religiously-affiliated classif. hospitals | Institutes-USL Facilities | Research facilities | Total | Private hospitals (accredited healthcare facilities) |
|-------------------|------------------|----------------------------|--|---|----------------------|---------------------------------------|---|---------------------------|---------------------|-------|--|
| - Piedmont | 3 | 21 | - | 3 | - | 3 | - | 6 | - | 36 | 39 |
| - Aosta Valley | - | 1 | - | - | - | - | - | - | - | 1 | 1 |
| - Lombardy | 29 | 1 | - | - | - | 26 | 5 | - | - | 61 | 68 |
| - A.P. of Bolzano | - | 7 | - | - | - | - | - | - | - | 7 | 6 |
| - A.P. of Trento | - | 7 | - | - | - | - | 1 | - | - | 8 | 5 |
| - Veneto | 1 | 21 | - | 1 | - | 3 | 5 | 5 | - | 36 | 16 |
| - Friuli V.G. | - | 10 | - | 2 | - | 2 | - | - | - | 14 | 5 |
| - Liguria | - | 6 | - | - | - | 3 | 2 | - | - | 11 | 6 |
| - Emilia Romagna | 1 | 15 | - | 4 | - | 3 | - | 1 | - | 24 | 44 |
| - Tuscany | - | 31 | - | 4 | - | 2 | - | 2 | 1 | 40 | 23 |
| - Umbria | 2 | 8 | - | - | - | - | - | - | - | 10 | 5 |
| - Marche | 2 | 5 | - | - | - | 1 | - | - | - | 8 | 14 |
| - Lazio | 2 | 35 | 1 | 2 | 2 | 6 | 7 | 2 | - | 57 | 60 |
| - Abruzzo | - | 18 | - | - | - | - | - | - | - | 18 | 11 |
| - Molise | - | 3 | - | - | - | 1 | - | - | 1 | 5 | 3 |
| - Campania | 6 | 32 | 2 | 1 | - | 2 | 3 | 1 | - | 47 | 63 |
| - Apulia | - | 25 | 1 | 1 | - | 5 | 2 | - | - | 34 | 26 |
| - Basilicata | 1 | 11 | - | - | - | 1 | - | - | - | 13 | 2 |
| - Calabria | 4 | 16 | - | - | - | 1 | - | - | - | 21 | 29 |
| - Sicily | 5 | 52 | 3 | - | - | 4 | 1 | 1 | - | 66 | 59 |
| - Sardinia | 1 | 22 | 2 | - | - | - | - | - | - | 25 | 7 |
| - North | 34 | 89 | - | 10 | - | 40 | 13 | 12 | - | 198 | 190 |
| - Center | 6 | 79 | 1 | 6 | 2 | 9 | 7 | 4 | 1 | 115 | 102 |
| - South | 17 | 179 | 8 | 2 | - | 14 | 6 | 2 | 1 | 229 | 200 |
| <i>Italy</i> | 57 | 347 | 9 | 18 | 2 | 63 | 26 | 18 | 2 | 542 | 492 |

Source: processing by Ermeneia – data from the Ministry of Health, Open Data 2016

Table S/4 – Public and assimilated, and private institutions (accredited healthcare facilities), by region. Year 2016/2015 (% Composition)

| Regions | 2016 | | | | | | | | | | 2015 | | | | | | | | | |
|-------------------|--|------|---|------|----------------------|------|---------------------------------------|-----|----------------------------------|-----|----------------|------|---------------------|------|---------------------------|------|--|------|-----------------------------|--|
| | Hospital Centers managed directly with the NHS | | Hospital Centers integrated with the universities | | University hospitals | | Institutes for Treatment and Research | | Religiously-affiliated hospitals | | USL Facilities | | Research facilities | | Total public institutions | | Private hospitals (accredited healthcare facilities) | | Total healthcare facilities | |
| | | | | | | | | | | | | | | | | | | | | |
| - Piedmont | 4.0 | 28.0 | 0.0 | 4.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | 48.0 | 52.0 | 48.0 | 52.0 | 52.0 | 100.0 | |
| - Aosta Valley | 0.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 100.0 | |
| - Lombardy | 22.5 | 0.8 | 0.0 | 0.0 | 0.0 | 20.2 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.3 | 52.7 | 46.9 | 53.1 | 47.3 | 100.0 | |
| - A.P. of Bolzano | 0.0 | 53.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.8 | 46.2 | 58.3 | 41.7 | 58.3 | 100.0 | |
| - A.P. of Trento | 0.0 | 53.8 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.5 | 38.5 | 57.1 | 42.9 | 61.5 | 100.0 | |
| - Veneto | 1.9 | 40.4 | 0.0 | 1.9 | 0.0 | 5.8 | 9.6 | 9.6 | 0.0 | 0.0 | 9.6 | 0.0 | 0.0 | 69.2 | 30.8 | 70.6 | 29.4 | 70.6 | 100.0 | |
| - Friuli V.G. | 0.0 | 52.6 | 0.0 | 10.5 | 0.0 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73.7 | 26.3 | 73.7 | 26.3 | 73.7 | 100.0 | |
| - Liguria | 0.0 | 35.3 | 0.0 | 0.0 | 0.0 | 17.6 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.7 | 35.3 | 68.8 | 31.3 | 64.7 | 100.0 | |
| - Emilia R. | 1.5 | 22.1 | 0.0 | 5.9 | 0.0 | 4.4 | 0.0 | 1.5 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 35.3 | 64.7 | 36.2 | 63.8 | 36.2 | 100.0 | |
| - Tuscany | 0.0 | 49.2 | 0.0 | 6.3 | 0.0 | 3.2 | 0.0 | 3.2 | 0.0 | 0.0 | 3.2 | 1.6 | 0.0 | 63.5 | 36.5 | 59.7 | 40.3 | 63.5 | 100.0 | |
| - Umbria | 13.3 | 53.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66.7 | 33.3 | 66.7 | 33.3 | 66.7 | 100.0 | |
| - Marche | 9.1 | 22.7 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.4 | 63.6 | 38.1 | 61.9 | 36.4 | 100.0 | |
| - Lazio | 1.7 | 29.9 | 0.9 | 1.7 | 1.7 | 5.1 | 6.0 | 6.0 | 1.7 | 0.0 | 1.7 | 0.0 | 0.0 | 48.7 | 51.3 | 49.6 | 50.4 | 48.7 | 100.0 | |
| - Abruzzo | 0.0 | 62.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.1 | 37.9 | 62.1 | 37.9 | 62.1 | 100.0 | |
| - Molise | 0.0 | 37.5 | 0.0 | 0.0 | 0.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 0.0 | 62.5 | 37.5 | 62.5 | 37.5 | 62.5 | 100.0 | |
| - Campania | 5.5 | 29.1 | 1.8 | 0.9 | 0.0 | 1.8 | 2.7 | 2.7 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 42.7 | 57.3 | 43.1 | 56.9 | 42.7 | 100.0 | |
| - Apulia | 0.0 | 41.7 | 1.7 | 1.7 | 0.0 | 8.3 | 3.3 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.7 | 43.3 | 55.7 | 44.3 | 56.7 | 100.0 | |
| - Basilicata | 6.7 | 73.3 | 0.0 | 0.0 | 0.0 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 86.7 | 13.3 | 86.7 | 13.3 | 86.7 | 100.0 | |
| - Calabria | 8.0 | 32.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.0 | 58.0 | 42.3 | 57.7 | 42.3 | 100.0 | |
| - Sicily | 4.0 | 41.6 | 2.4 | 0.0 | 0.0 | 3.2 | 0.8 | 0.8 | 0.8 | 0.0 | 0.8 | 0.8 | 0.8 | 52.8 | 47.2 | 52.4 | 47.6 | 52.4 | 100.0 | |
| - Sardinia | 3.1 | 68.8 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 78.1 | 21.9 | 73.7 | 26.3 | 73.7 | 100.0 | |
| - North | 8.8 | 22.9 | 0.0 | 2.6 | 0.0 | 10.3 | 3.4 | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 0.0 | 51.0 | 49.0 | 51.0 | 49.0 | 51.0 | 100.0 | |
| - Center | 2.8 | 36.4 | 0.5 | 2.8 | 0.9 | 4.1 | 3.2 | 1.8 | 0.0 | 0.0 | 1.8 | 0.5 | 0.5 | 53.0 | 47.0 | 52.7 | 47.3 | 52.7 | 100.0 | |
| - South | 4.0 | 41.7 | 1.9 | 0.5 | 0.0 | 4.1 | 3.3 | 1.4 | 0.0 | 0.0 | 1.4 | 0.5 | 0.2 | 53.4 | 46.6 | 52.9 | 47.1 | 52.9 | 100.0 | |
| - Italy | 5.5 | 33.6 | 0.9 | 1.7 | 0.2 | 6.1 | 2.5 | 1.7 | 0.2 | 0.2 | 1.7 | 0.2 | 0.2 | 52.4 | 47.6 | 52.2 | 47.8 | 52.2 | 100.0 | |

Source: processing by *Ermeneia* – data from the *Ministry of Health. Open Data 2015-2016*

Table S/5 – Public and accredited private patient beds used for hospitalization, by region, Year 2016

| Regions | 2016 | | | | 2015 | | | |
|-------------------------|--|----------------|--|----------------|---------------------|----------------|--|----------------|
| | Public and assimilated institutions ⁽¹⁾ | | Private hospitals (accredited healthcare facilities) | | Public institutions | | Private hospitals (accredited healthcare facilities) | |
| | Patient beds | % of the total | Patient beds | % of the total | % of the total | % of the total | % of the total | % of the total |
| – Piedmont | 11,891 | 78.1 | 3,340 | 21.9 | 15,231 | 78.1 | 21.9 | 100.0 |
| – Aosta Valley | 378 | 84.2 | 71 | 15.8 | 449 | 85.0 | 15.0 | 100.0 |
| – Lombardy | 28,384 | 78.9 | 7,586 | 21.1 | 35,970 | 79.0 | 21.0 | 100.0 |
| – A.P. of Bolzano | 1,606 | 84.9 | 285 | 15.1 | 1,891 | 86.8 | 13.2 | 100.0 |
| – A.P. of Trento | 1,341 | 72.1 | 518 | 27.9 | 1,859 | 71.5 | 28.5 | 100.0 |
| – Veneto | 14,781 | 91.4 | 1,389 | 8.6 | 16,170 | 92.6 | 7.4 | 100.0 |
| – Friuli Venezia Giulia | 3,740 | 90.6 | 389 | 9.4 | 4,129 | 90.1 | 9.9 | 100.0 |
| – Liguria | 4,794 | 94.5 | 280 | 5.5 | 5,074 | 96.2 | 3.8 | 100.0 |
| – Emilia Romagna | 12,873 | 77.2 | 3,808 | 22.8 | 16,681 | 77.3 | 22.7 | 100.0 |
| – Tuscany | 9,128 | 85.6 | 1,536 | 14.4 | 10,664 | 85.1 | 14.9 | 100.0 |
| – Umbria | 2,531 | 91.4 | 239 | 8.6 | 2,770 | 91.3 | 8.7 | 100.0 |
| – Marche | 4,121 | 84.2 | 772 | 15.8 | 4,893 | 83.2 | 16.8 | 100.0 |
| – Lazio | 13,812 | 74.1 | 4,823 | 25.9 | 18,635 | 74.5 | 25.5 | 100.0 |
| – Abruzzo | 3,011 | 73.9 | 1,065 | 26.1 | 4,076 | 76.6 | 23.4 | 100.0 |
| – Molise | 1,123 | 88.9 | 140 | 11.1 | 1,263 | 88.9 | 11.1 | 100.0 |
| – Campania | 10,049 | 64.4 | 5,566 | 35.6 | 15,615 | 64.7 | 35.3 | 100.0 |
| – Apulia | 9,505 | 80.3 | 2,331 | 19.7 | 11,836 | 80.6 | 19.4 | 100.0 |
| – Basilicata | 1,615 | 94.7 | 90 | 5.3 | 1,705 | 91.6 | 8.4 | 100.0 |
| – Calabria | 3,182 | 66.3 | 1,615 | 33.7 | 4,797 | 66.2 | 33.8 | 100.0 |
| – Sicily | 10,360 | 72.9 | 3,849 | 27.1 | 14,209 | 73.1 | 26.9 | 100.0 |
| – Sardinia | 4,217 | 82.7 | 885 | 17.3 | 5,102 | 81.4 | 18.6 | 100.0 |
| – North | 79,788 | 81.9 | 17,666 | 18.1 | 97,454 | 82.2 | 17.8 | 100.0 |
| – Center | 29,592 | 80.1 | 7,370 | 19.9 | 36,962 | 80.0 | 20.0 | 100.0 |
| – South | 43,062 | 73.5 | 15,541 | 26.5 | 58,603 | 73.7 | 26.3 | 100.0 |
| <i>Italy</i> | <i>152,442</i> | <i>79.0</i> | <i>40,577</i> | <i>21.0</i> | <i>193,019</i> | <i>79.2</i> | <i>20.8</i> | <i>100.0</i> |

1) See Table S/3.

Source: processing by Ermeneta – data from the Ministry of Health

Table S/6 – Private hospitals (private accredited healthcare facilities) affiliated with the NHS, by region– Institutions and patient beds, Year 2016

| | AIOP | | | ARIS | | | Other | | | Total | | |
|----------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|----------------------|
| | Institutions | Accred. patient beds | Institutions | Accred. patient beds | Institutions | Accred. patient beds | Institutions | Accred. patient beds | Institutions | Accred. patient beds | Institutions | Accred. patient beds |
| – Piedmont | 24 | 2,003 | 6 | 674 | 9 | 663 | 39 | – | – | – | 3,340 | – |
| – Aosta Valley | 1 | 71 | – | – | – | – | 1 | – | – | – | 71 | – |
| – Lombardy | 38 | 4,571 | 14 | 1,907 | 16 | 1,108 | 68 | 1,108 | 68 | 7,586 | – | – |
| – Bolzano | 3 | 176 | 1 | 33 | 2 | 76 | 6 | 76 | 6 | 285 | – | – |
| – Trento | 3 | 290 | 1 | 83 | 1 | 145 | 5 | 145 | 5 | 518 | – | – |
| – Veneto | 15 | 1,293 | – | – | – | – | 16 | 96 | 16 | 1,389 | – | – |
| – Friuli V.G. | 3 | 272 | – | – | 2 | 117 | 5 | 117 | 5 | 389 | – | – |
| – Liguria | 2 | 135 | 1 | 13 | 3 | 132 | 6 | 132 | 6 | 280 | – | – |
| – Emilia R. | 41 | 3,605 | 1 | 76 | 2 | 127 | 44 | 127 | 44 | 3,808 | – | – |
| – Tuscany | 13 | 852 | 6 | 261 | 4 | 423 | 23 | 423 | 23 | 1,536 | – | – |
| – Umbria | 3 | 114 | 1 | 60 | 1 | 65 | 5 | 65 | 5 | 239 | – | – |
| – Marche | 10 | 572 | 3 | 200 | 1 | – | 14 | – | 14 | 772 | – | – |
| – Lazio | 42 | 3,228 | 5 | 295 | 13 | 1,300 | 60 | 1,300 | 60 | 4,823 | – | – |
| – Abruzzo | 9 | 978 | 2 | 87 | – | – | 11 | – | 11 | 1,065 | – | – |
| – Molise | 2 | 100 | – | – | 1 | 40 | 3 | 40 | 3 | 140 | – | – |
| – Campania | 55 | 4,936 | – | – | 8 | 630 | 63 | 630 | 63 | 5,566 | – | – |
| – Apulia | 23 | 2,144 | 1 | 54 | 2 | 133 | 26 | 133 | 26 | 2,331 | – | – |
| – Basilicata | 1 | 50 | – | – | 1 | 40 | 2 | 40 | 2 | 90 | – | – |
| – Calabria | 15 | 1,043 | – | – | 14 | 572 | 29 | 572 | 29 | 1,615 | – | – |
| – Sicily | 51 | 3,511 | – | – | 8 | 338 | 59 | 338 | 59 | 3,849 | – | – |
| – Sardinia | 6 | 835 | – | – | 1 | 50 | 7 | 50 | 7 | 885 | – | – |
| – North | 130 | 12,416 | 24 | 2,786 | 36 | 2,464 | 190 | 2,464 | 190 | 17,666 | – | – |
| – Center | 68 | 4,766 | 15 | 816 | 19 | 1,788 | 102 | 1,788 | 102 | 7,370 | – | – |
| – South | 162 | 13,597 | 3 | 141 | 35 | 1,803 | 200 | 1,803 | 200 | 15,541 | – | – |
| – Italy | 360 | 30,779 | 42 | 3,743 | 90 | 6,055 | 492 | 6,055 | 492 | 40,577 | – | – |
| – % | 73.2 | 75.9 | 8.5 | 9.2 | 18.3 | 14.9 | 100.0 | 14.9 | 100.0 | 100.0 | – | – |

Source: processing by Ermeneta – data from the Ministry of Health, Open Data 2016 and AIOP

Table S17 – Regional distribution of AIOF-associated institutions according to the most prevalent nosological classifications—Year 2018

| Regions | Multi-specialist | | Medical | | Surgical | | Neuro-psychiatry | | Long-stay care pts | | Rehabilitation (Assisted living homes) | | Total healthcare facilities | | Rehabilitation Centers | |
|----------------|------------------|----------------|------------|----------------|------------|----------------|------------------|----------------|--------------------|----------------|--|----------------|-----------------------------|----------------|------------------------|----------------|
| | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited |
| – Piedmont | 14 | 3 | - | - | 1 | 5 | - | - | 2 | - | 4 | - | 29 | 4 | - | - |
| – Aosta Valley | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - |
| – Lombardy | 26 | 2 | 2 | 1 | 2 | 2 | 14 | 3 | - | - | 20 | - | 66 | 3 | 1 | - |
| – Bolzano | 1 | - | - | - | - | - | - | - | 2 | - | - | - | 3 | - | - | - |
| – Trento | 11 | 1 | - | - | - | 3 | - | - | - | - | - | - | 3 | - | - | - |
| – Veneto | 11 | 1 | - | - | 1 | - | 4 | - | - | - | 2 | - | 21 | 1 | - | - |
| – Friuli V.G. | 2 | - | - | - | - | - | 1 | - | - | - | 1 | 1 | 4 | 1 | - | - |
| – Liguria | 1 | 2 | - | - | - | - | 1 | - | - | - | - | 2 | 2 | 2 | - | - |
| – Emilia R. | 24 | 1 | 1 | 1 | 5 | 6 | 7 | 7 | 3 | - | 5 | - | 47 | 1 | - | - |
| – Tuscany | 6 | - | 1 | 1 | 3 | 2 | 1 | 1 | 1 | - | 1 | - | 16 | 1 | 1 | - |
| – Umbria | 7 | - | - | - | - | 1 | - | - | 1 | - | 1 | - | 5 | - | - | - |
| – Marche | 19 | 10 | 5 | 8 | 9 | 7 | 1 | 6 | 4 | - | 45 | 1 | 10 | 94 | 20 | 5 |
| – Lazio | 6 | - | - | - | - | - | - | - | - | - | 2 | - | 9 | - | - | - |
| – Abruzzo | 2 | - | - | - | - | - | - | - | - | - | 2 | - | 4 | - | - | - |
| – Molise | 24 | - | 2 | 14 | 1 | 5 | 7 | 7 | 4 | - | - | - | 56 | 1 | 1 | - |
| – Campania | 11 | - | 3 | 3 | - | 1 | 3 | 3 | - | - | 10 | - | 31 | - | 9 | - |
| – Apulia | 2 | - | 1 | 1 | - | - | - | - | 1 | - | - | - | 2 | - | - | - |
| – Basilicata | 20 | - | 1 | 9 | 1 | 3 | 6 | 6 | - | - | 4 | - | 22 | 1 | - | - |
| – Calabria | 5 | - | 2 | 20 | - | 3 | - | - | - | - | 7 | - | 58 | - | - | - |
| – Sicily | 79 | 9 | 3 | 4 | 2 | 16 | 35 | 7 | 7 | - | 32 | 1 | 176 | 12 | 1 | - |
| – Sardinia | 32 | 10 | 6 | 16 | 10 | 10 | 8 | 7 | 6 | - | 46 | 1 | 125 | 21 | 7 | - |
| North | 70 | - | 8 | 50 | 2 | 9 | 26 | 6 | 20 | - | 22 | 2 | 191 | 2 | 12 | - |
| Center | 181 | 19 | 17 | 70 | 14 | 35 | 69 | 20 | - | - | 100 | 2 | 492 | 35 | 20 | - |
| South | | | | | | | | | | | | | | | | |
| Italy | | | | | | | | | | | | | | | | |

Source: AIOF

Table S/8 – Regional distribution of patient beds of the AIOF-associated institutions according to the different types of activities – Year 2018

| Regions | High Speciality | | Medical | | Surgical | | Neuro-psychiatry | | Long-stay care pts | | Rehabilitation (Assisted living homes) | | Total | | Rehabilitation Centers | | |
|----------------|-----------------|----------------|------------|----------------|------------|----------------|------------------|----------------|--------------------|----------------|--|----------------|------------|----------------|------------------------|----------------|-------|
| | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | |
| – Piedmont | 90 | 10 | 404 | 86 | 692 | 250 | 288 | 32 | 333 | 18 | 549 | 10 | 408 | – | 2,764 | 406 | – |
| – Aosta Valley | – | – | – | – | 12 | 4 | – | – | 64 | – | 64 | – | – | 76 | 4 | – | – |
| – Lombardy | 441 | 18 | 2,819 | 106 | 3,013 | 185 | 103 | 20 | 13 | – | 2,148 | 55 | 2,679 | 24 | 11,216 | 408 | 60 |
| – Bolzano | – | – | 15 | 8 | – | – | – | – | 20 | 20 | 169 | 33 | 21 | 204 | 63 | – | – |
| – Trento | – | – | 98 | 15 | 38 | – | – | – | 167 | 17 | 25 | – | – | 349 | 32 | – | – |
| – Veneto | 8 | – | 441 | 87 | 610 | 218 | 362 | 48 | 70 | – | 624 | 94 | 332 | – | 2,447 | 447 | – |
| – Friuli V.G. | – | – | 94 | 17 | 153 | 20 | – | – | – | – | 108 | – | 75 | 77 | 430 | 114 | – |
| – Liguria | 15 | – | 43 | 47 | 15 | 73 | – | – | 67 | – | 67 | – | – | 140 | 120 | – | – |
| – Emilia R. | 73 | 2 | 1,065 | 35 | 1,516 | 139 | 605 | 2 | 570 | 5 | 914 | 45 | 475 | 170 | 5,218 | 398 | – |
| – Tuscany | 21 | – | 208 | 1 | 621 | 56 | 105 | 1 | 182 | 1 | 348 | – | – | 1,485 | 58 | 126 | – |
| – Umbria | – | – | – | – | 130 | – | – | – | 43 | – | 16 | – | 40 | 20 | 229 | 20 | – |
| – Marche | – | – | 202 | – | 279 | – | 50 | – | 112 | – | 98 | – | 104 | – | 845 | – | 40 |
| – Lazio | – | 64 | 1,372 | 472 | 1,697 | 1,157 | 623 | 8 | 594 | 63 | 1,193 | 357 | 3,875 | 239 | 9,354 | 2,360 | 634 |
| – Abruzzo | – | – | 286 | 103 | 339 | 136 | 100 | – | – | – | 153 | 154 | 28 | 27 | 906 | 420 | 303 |
| – Molise | – | – | 110 | 52 | 85 | – | – | – | – | – | 148 | 100 | – | – | 343 | 152 | – |
| – Campania | 79 | 13 | 982 | 265 | 2,281 | 412 | 473 | 121 | 524 | 55 | 1,022 | 12 | – | 5,361 | 878 | 99 | – |
| – Apulia | 172 | – | 837 | 83 | 756 | 144 | 16 | – | 80 | – | 604 | 108 | 801 | 258 | 3,266 | 593 | 1,604 |
| – Basilicata | – | – | – | – | 56 | – | – | – | 16 | – | 166 | – | 120 | – | 358 | – | 54 |
| – Calabria | – | – | 161 | 3 | 479 | 30 | – | – | 135 | – | 501 | – | 182 | – | 1,458 | 33 | – |
| – Sicily | 87 | 2 | 1,251 | 24 | 1,830 | 23 | 145 | 23 | 101 | 1 | 620 | 43 | 335 | 78 | 4,369 | 194 | – |
| – Sardinia | – | – | 191 | – | 407 | – | – | – | 97 | – | 131 | – | – | – | 826 | – | – |
| – North | 627 | 30 | 4,979 | 401 | 6,049 | 889 | 1,358 | 102 | 1,173 | 62 | 4,668 | 237 | 3,990 | 271 | 22,844 | 1,992 | 60 |
| – Center | 21 | 64 | 1,782 | 473 | 2,727 | 1,213 | 778 | 9 | 931 | 63 | 1,655 | 357 | 4,019 | 259 | 11,913 | 2,438 | 800 |
| – South | 338 | 15 | 3,818 | 530 | 6,233 | 745 | 734 | 144 | 953 | 56 | 3,345 | 417 | 1,466 | 363 | 16,887 | 2,270 | 2,060 |
| – Italy | 986 | 109 | 10,579 | 1,404 | 15,009 | 2,847 | 2,870 | 255 | 3,057 | 181 | 9,068 | 1,011 | 9,475 | 893 | 51,644 | 6,700 | 2,920 |

Source: AIOF

Table S/9 – Regional distribution of patient beds of the AIOIP-associated institutions according to the different types of activities and regions. Year 2018 (Composition %)

| Regions | RSA | | | | | | | | | | | | | | | |
|-------------------|-----------------|----------------|------------|----------------|------------|----------------|------------------|----------------|-------------------|----------------|----------------|----------------|-------------------------|----------------|------------|----------------|
| | High Speciality | | Medical | | Surgical | | Neuro-psychiatry | | Long-stay care ps | | Rehabilitation | | (Assisted living homes) | | Total | |
| | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited | Accredited | Non-accredited |
| - Piedmont | 3.3 | 2.5 | 14.6 | 21.2 | 25.0 | 61.6 | 10.4 | 7.9 | 12.0 | 4.4 | 19.9 | 2.5 | 14.8 | - | 100.0 | 100.0 |
| - Aosta Valley | - | - | - | - | 15.8 | 100.0 | - | - | - | - | 84.2 | - | - | - | 100.0 | 100.0 |
| - Lombardy | 3.9 | 4.4 | 25.1 | 26.0 | 26.9 | 45.3 | 0.9 | 4.9 | 0.1 | - | 19.2 | 13.5 | 23.9 | 5.9 | 100.0 | 100.0 |
| - A.P. of Bolzano | - | - | 7.4 | 12.7 | - | - | - | - | 9.8 | 34.9 | 82.8 | 52.4 | - | - | 100.0 | 100.0 |
| - A.P. of Trento | - | - | 28.1 | 46.9 | 10.9 | 24.9 | - | - | 47.9 | 53.1 | 7.2 | - | 6.0 | - | 100.0 | 100.0 |
| - Veneto | 0.3 | - | 18.0 | 19.5 | 24.9 | 48.8 | 14.8 | 10.7 | 2.9 | - | 25.5 | 21.0 | 13.6 | - | 100.0 | 100.0 |
| - Friuli V.G. | - | - | 21.9 | 14.9 | 35.6 | 17.5 | - | - | - | - | 25.1 | - | 17.4 | 67.5 | 100.0 | 100.0 |
| - Liguria | 10.7 | - | 30.7 | 39.2 | 10.7 | 60.8 | - | - | - | - | 47.9 | - | - | - | 100.0 | 100.0 |
| - Emilia R. | 1.4 | 0.5 | 20.4 | 8.8 | 29.1 | 34.9 | 11.6 | 0.5 | 10.9 | 1.3 | 17.5 | 11.3 | 9.1 | 42.7 | 100.0 | 100.0 |
| - Tuscany | - | - | 14.0 | 1.7 | 41.8 | 96.6 | 7.1 | 1.7 | 12.3 | - | 23.4 | - | - | - | 100.0 | 100.0 |
| - Umbria | - | - | - | - | 56.8 | - | - | - | 18.8 | - | 7.0 | - | 17.5 | 100.0 | 100.0 | 100.0 |
| - Marche | - | - | 23.9 | - | 33.0 | - | 5.9 | - | 13.3 | - | 11.6 | - | 12.3 | - | 100.0 | - |
| - Lazio | - | 2.7 | 14.7 | 20.0 | 18.1 | 49.0 | 6.7 | 0.3 | 6.4 | 2.7 | 12.8 | 15.1 | 41.4 | 10.1 | 100.0 | 100.0 |
| - Abruzzo | - | - | 31.6 | 24.5 | 37.4 | 32.4 | 11.0 | - | - | - | 16.9 | 36.7 | 3.1 | 6.4 | 100.0 | 100.0 |
| - Molise | - | - | 32.1 | 34.2 | 24.8 | - | - | - | - | - | 43.1 | 65.8 | - | - | 100.0 | 100.0 |
| - Campania | 1.5 | 1.5 | 18.3 | 30.2 | 42.5 | 46.9 | 8.8 | 13.8 | 9.8 | 6.3 | 19.1 | 1.4 | - | - | 100.0 | 100.0 |
| - Apulia | 5.3 | - | 25.6 | 14.0 | 23.1 | 24.3 | 0.5 | - | 2.4 | - | 18.5 | 18.2 | 24.5 | 43.5 | 100.0 | 100.0 |
| - Basilicata | - | - | - | - | 15.6 | - | - | - | 4.5 | - | 46.4 | - | - | - | 100.0 | - |
| - Calabria | - | - | 11.0 | 9.1 | 32.9 | 90.9 | - | - | 9.3 | - | 34.4 | - | 12.5 | - | 100.0 | 100.0 |
| - Sicily | 2.0 | 1.0 | 28.6 | 12.4 | 41.9 | 11.9 | 3.3 | 11.9 | 2.3 | 0.5 | 14.2 | 22.2 | 7.7 | 40.2 | 100.0 | 100.0 |
| - Sardinia | - | - | 23.1 | - | 49.3 | - | - | - | 11.7 | - | 15.9 | - | - | - | 100.0 | - |
| - North | 2.7 | 1.5 | 21.8 | 20.1 | 26.5 | 44.6 | 5.9 | 5.1 | 5.1 | 3.1 | 20.4 | 11.9 | 17.5 | 13.6 | 100.0 | 100.0 |
| - Center | 0.2 | 2.6 | 15.0 | 19.4 | 22.9 | 49.8 | 6.5 | 0.4 | 7.8 | 2.6 | 13.9 | 14.6 | 33.7 | 10.6 | 100.0 | 100.0 |
| - South | 2.0 | 0.7 | 22.6 | 23.3 | 36.9 | 32.8 | 4.3 | 6.3 | 5.6 | 2.5 | 19.8 | 18.4 | 8.7 | 16.0 | 100.0 | 100.0 |
| - Italy | 1.9 | 1.6 | 20.5 | 21.0 | 29.1 | 42.5 | 5.6 | 3.8 | 5.9 | 2.7 | 18.7 | 15.1 | 18.3 | 13.3 | 100.0 | 100.0 |

Source: AIOIP

Table S/10 – Technical and biomedical equipment for diagnosis and treatment in public hospital facilities. Year 2013

| Regions | HC | Echo | CT | HD | ACCA | MON | MRI | OT | RU | LV | PXU | LINAC | RCT | AIA | CGC | AM | SF | ADC | |
|-------------------------|----|--------|-------|--------|-------|--------|-----|-------|-------|--------|-------|-------|-------|-------|-----|-------|--------|-------|---|
| - Piedmont | - | 985 | 85 | 1,163 | 216 | 3,259 | 44 | 567 | 243 | 1,042 | 209 | 29 | 115 | 313 | 25 | 629 | 1,149 | 111 | |
| - Aosta Valley | - | 30 | 2 | 27 | 2 | 137 | 3 | 16 | 5 | 39 | 5 | 5 | 1 | - | 16 | - | 22 | 34 | 4 |
| - Lombardy | - | 2,378 | 180 | 2,256 | 373 | 8,231 | 119 | 1,110 | 595 | 2,338 | 406 | 64 | 257 | 652 | 58 | 1,276 | 3,349 | 230 | |
| - A.P. of Bolzano | - | 152 | 8 | 110 | 15 | 589 | 5 | 54 | 51 | 139 | 30 | - | 10 | 37 | 3 | 96 | 410 | 15 | |
| - A.P. of Trento | - | 122 | 11 | 162 | 20 | 500 | 5 | 82 | 14 | 209 | 19 | 4 | 9 | 42 | 2 | 70 | 321 | 16 | |
| - Veneto | - | 1,228 | 85 | 1,047 | 198 | 4,430 | 65 | 782 | 248 | 2,120 | 239 | 27 | 106 | 338 | 24 | 711 | 2,072 | 122 | |
| - Friuli Venezia Giulia | 1 | 345 | 24 | 421 | 68 | 1,189 | 13 | 247 | 56 | 444 | 59 | 14 | 22 | 135 | 8 | 158 | 636 | 40 | |
| - Liguria | 2 | 413 | 35 | 462 | 45 | 1,392 | 29 | 209 | 92 | 463 | 106 | 12 | 34 | 165 | 11 | 240 | 554 | 38 | |
| - Emilia Romagna | 1 | 1,117 | 88 | 956 | 135 | 3,988 | 42 | 740 | 226 | 1,540 | 230 | 26 | 83 | 315 | 25 | 754 | 1,931 | 65 | |
| - Tuscany | 4 | 1,225 | 78 | 1,204 | 141 | 3,886 | 50 | 655 | 236 | 1,974 | 183 | 26 | 108 | 515 | 48 | 569 | 1,776 | 107 | |
| - Umbria | - | 290 | 20 | 403 | 39 | 592 | 13 | 139 | 47 | 262 | 41 | 7 | 31 | 185 | 6 | 158 | 341 | 42 | |
| - Marche | - | 421 | 36 | 486 | 78 | 1,070 | 26 | 185 | 96 | 451 | 63 | 12 | 55 | 183 | 12 | 197 | 479 | 52 | |
| - Lazio | 3 | 1,058 | 126 | 1,129 | 219 | 4,098 | 79 | 601 | 284 | 1,392 | 242 | 39 | 183 | 541 | 36 | 804 | 1,623 | 200 | |
| - Abruzzo | - | 276 | 25 | 434 | 81 | 738 | 11 | 134 | 83 | 299 | 59 | 8 | 35 | 137 | 12 | 126 | 279 | 37 | |
| - Molise | 1 | 97 | 11 | 157 | 49 | 296 | 9 | 52 | 33 | 102 | 23 | 2 | 15 | 32 | 5 | 55 | 143 | 18 | |
| - Campania | 8 | 715 | 89 | 577 | 243 | 2,715 | 22 | 459 | 212 | 1,028 | 183 | 11 | 120 | 320 | 16 | 628 | 821 | 155 | |
| - Apulia | 2 | 742 | 66 | 1,225 | 356 | 2,000 | 36 | 384 | 231 | 834 | 146 | 16 | 118 | 361 | 28 | 394 | 780 | 164 | |
| - Basilicata | - | 150 | 15 | 190 | 26 | 498 | 8 | 111 | 40 | 179 | 40 | 3 | 28 | 42 | 6 | 86 | 194 | 23 | |
| - Calabria | - | 251 | 34 | 405 | 79 | 740 | 14 | 138 | 61 | 224 | 59 | 8 | 55 | 124 | 7 | 178 | 281 | 53 | |
| - Sicily | 11 | 889 | 106 | 629 | 242 | 3,570 | 50 | 547 | 256 | 1,169 | 254 | 20 | 137 | 281 | 30 | 702 | 1,149 | 182 | |
| - Sardinia | 2 | 412 | 33 | 407 | 124 | 957 | 19 | 194 | 85 | 392 | 79 | 10 | 51 | 134 | 15 | 204 | 386 | 46 | |
| North | 4 | 6,770 | 518 | 6,604 | 1,072 | 23,715 | 325 | 3,807 | 1,530 | 8,334 | 1,303 | 177 | 636 | 2,013 | 156 | 3,956 | 10,456 | 641 | |
| Center | 7 | 2,994 | 260 | 3,222 | 477 | 9,646 | 168 | 1,580 | 663 | 4,079 | 529 | 84 | 377 | 1,424 | 102 | 1,728 | 4,219 | 401 | |
| South | 24 | 3,532 | 379 | 4,024 | 1,200 | 11,514 | 169 | 2,019 | 1,001 | 4,227 | 843 | 78 | 559 | 1,431 | 119 | 2,373 | 4,033 | 678 | |
| Italy | 35 | 13,296 | 1,157 | 13,850 | 2,749 | 44,875 | 662 | 7,406 | 3,194 | 16,640 | 2,675 | 339 | 1,572 | 4,868 | 377 | 8,057 | 18,708 | 1,720 | |

HC: Hyperbaric Chamber, Echo: Echo-Tomography, CT: Computerized Axial Tomography, HD: Hemodialysis machine, ACCA: Automated Clinical Chemistry Analyzer, MON: Monitor, MRT: Magnetic Resonance Tomography, OT: Operating Table, RU: Radiological Unit, LV: Lung Ventilator, PXU: Portable X-ray Unit, LINAC: Linear Accelerator, RCT: Remote Controlled X-ray Table, AIA: Automated Immunoassay Analyzer, CGC: Computerized Gamma Camera, AM: Anesthesia Machine, SL: Shadowless Lamp, ADC: Automated Differential Cell counter.

Source: processing by *Ermeneta* – data from the *Ministry of Health*

Table S/11 – Technical and biomedical equipment for diagnosis and treatment in accredited healthcare facilities, Year 2013

| Regions | HC | Echo | CT | HD | ACCA | MON | MRI | OT | RU | LV | PXU | LNAC | RCT | AIA | CGC | AM | SI | ADC |
|-------------------------|-----------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|-----------|------------|------------|-----------|--------------|--------------|------------|
| - Piedmont | 1 | 119 | 15 | 4 | 27 | 266 | 18 | 59 | 35 | 63 | 30 | 1 | 30 | 31 | 1 | 67 | 78 | 35 |
| - Aosta Valley | - | 1 | 1 | - | 1 | 6 | - | 2 | 1 | 2 | 1 | - | 1 | 1 | 1 | 2 | 4 | 1 |
| - Lombardy | 10 | 485 | 51 | 185 | 120 | 1,406 | 57 | 242 | 154 | 319 | 95 | 16 | 66 | 96 | 6 | 272 | 524 | 66 |
| - A.P. of Bolzano | - | 7 | 2 | - | 1 | 27 | 3 | - | 4 | - | - | 2 | 3 | 2 | - | - | - | 1 |
| - A.P. of Trento | - | 17 | 3 | - | 2 | 11 | 3 | 4 | 7 | 4 | 2 | - | 4 | 2 | - | 4 | 8 | 4 |
| - Veneto | - | 63 | 8 | - | 13 | 148 | 13 | 35 | 25 | 19 | 12 | - | 10 | 21 | - | 32 | 44 | 14 |
| - Friuli Venezia Giulia | - | 35 | 6 | 25 | 8 | 51 | 5 | 20 | 9 | 13 | 7 | - | 5 | 6 | - | 20 | 25 | 6 |
| - Liguria | - | 8 | - | 2 | 4 | 27 | - | 7 | 4 | 16 | 4 | - | 4 | 3 | - | 9 | 11 | 4 |
| - Emilia Romagna | 1 | 184 | 22 | 72 | 31 | 429 | 32 | 125 | 58 | 185 | 50 | 3 | 41 | 28 | 3 | 146 | 218 | 25 |
| - Tuscany | - | 72 | 10 | 25 | 26 | 225 | 7 | 67 | 28 | 91 | 24 | 4 | 18 | 13 | - | 72 | 95 | 21 |
| - Umbria | - | 8 | 2 | - | 4 | 37 | 2 | 15 | 6 | 10 | 9 | - | 5 | 2 | - | 16 | 15 | 3 |
| - Marche | - | 50 | 8 | - | 15 | 92 | 8 | 27 | 21 | 30 | 13 | - | 12 | 22 | 1 | 30 | 47 | 10 |
| - Lazio | 1 | 145 | 38 | 475 | 67 | 547 | 31 | 144 | 96 | 125 | 64 | 4 | 64 | 68 | 8 | 144 | 200 | 69 |
| - Abruzzo | - | 57 | 10 | 10 | 20 | 208 | 13 | 31 | 17 | 61 | 14 | - | 19 | 21 | - | 33 | 53 | 13 |
| - Molise | - | 9 | 3 | 1 | 5 | 14 | 1 | 4 | 4 | 4 | 3 | - | 4 | 3 | 2 | 6 | 6 | 3 |
| - Campania | 3 | 210 | 52 | 60 | 70 | 568 | 21 | 198 | 101 | 220 | 72 | 4 | 65 | 69 | 17 | 237 | 267 | 79 |
| - Apulia | - | 130 | 22 | 146 | 52 | 362 | 13 | 76 | 42 | 132 | 37 | 2 | 34 | 41 | 2 | 74 | 130 | 35 |
| - Basilicata | - | 2 | 1 | - | 1 | 8 | 1 | 2 | 1 | - | 1 | - | 1 | 1 | - | 4 | 2 | 1 |
| - Calabria | - | 93 | 18 | 3 | 33 | 218 | 10 | 66 | 36 | 98 | 25 | 2 | 26 | 27 | 6 | 75 | 95 | 31 |
| - Sicily | 2 | 188 | 47 | 16 | 99 | 467 | 32 | 167 | 88 | 194 | 65 | 6 | 62 | 53 | 8 | 193 | 233 | 67 |
| - Sardinia | - | 47 | 6 | 117 | 16 | 76 | 6 | 36 | 12 | 25 | 12 | - | 10 | 12 | - | 36 | 39 | 9 |
| North | 12 | 919 | 108 | 288 | 207 | 2,371 | 131 | 494 | 297 | 621 | 201 | 22 | 164 | 190 | 10 | 552 | 912 | 156 |
| Center | 1 | 275 | 58 | 500 | 112 | 901 | 48 | 253 | 151 | 256 | 110 | 8 | 99 | 105 | 9 | 262 | 357 | 103 |
| South | 5 | 736 | 159 | 353 | 296 | 1,921 | 97 | 580 | 301 | 734 | 229 | 14 | 221 | 227 | 35 | 658 | 825 | 238 |
| <i>Italy</i> | <i>18</i> | <i>1,930</i> | <i>325</i> | <i>1,141</i> | <i>615</i> | <i>5,193</i> | <i>276</i> | <i>1,327</i> | <i>749</i> | <i>1,611</i> | <i>540</i> | <i>44</i> | <i>484</i> | <i>522</i> | <i>54</i> | <i>1,472</i> | <i>2,094</i> | <i>497</i> |

HC: Hyperbaric Chamber, Echo: Echo-Tomography, CT: Computerized Axial Tomography, HD: Hemodialysis machine, ACCA: Automated Clinical Chemistry Analyzer, MON: Monitor, MRT: Magnetic Resonance Tomography, OT: Operating Table, RU: Radiological Unit, LV: Lung Ventilator, PXU: Portable X-ray Unit, LNAC: Linear Accelerator, RCT: Remote Controlled X-ray Table, AIA: Automated Immunoassay Analyzer, CGC: Computerized Gamma Camera, AM: Anesthesia Machine, SL: Shadowless Lamp, ADC: Automated Differential Cell counter.

Source: processing by *Ermeneia* – data from the *Ministry of Health*

Table S/12 – Technical and biomedical equipment for diagnosis and treatment in non-accredited healthcare facilities. Year 2013

| Regions | HC | Echo | CT | HD | ACCA | MON | MRI | OT | RU | LV | PXU | LINAC | RCT | AIA | CGC | AM | SI | ADC |
|-------------------------|----|------|----|----|------|-----|-----|-----|----|-----|-----|-------|-----|-----|-----|-----|-----|-----|
| - Piedmont | - | 26 | 4 | 1 | 4 | 56 | 2 | 28 | 15 | 16 | 5 | - | 4 | 3 | - | 31 | 35 | 5 |
| - Lombardy | - | 29 | 4 | 1 | 5 | 80 | 3 | 34 | 16 | 31 | 11 | - | 5 | 3 | 2 | 39 | 54 | 7 |
| - A.P. of Bolzano | - | 5 | 2 | - | 38 | 2 | 9 | 8 | 4 | 4 | 5 | - | 1 | - | - | 9 | 10 | 1 |
| - A.P. of Trento | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Veneto | - | - | - | - | - | 3 | - | 3 | - | - | 1 | - | - | - | - | 2 | 3 | - |
| - Friuli Venezia Giulia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Liguria | - | 5 | 2 | - | - | 23 | 1 | 10 | 3 | 2 | 5 | - | 2 | - | - | 8 | 11 | 1 |
| - Emilia Romagna | - | 10 | 2 | - | 2 | 19 | 1 | 10 | 2 | 3 | 3 | - | 2 | 2 | - | 10 | 22 | 1 |
| - Tuscany | - | 20 | 3 | 1 | 2 | 14 | 2 | 12 | 4 | 7 | 3 | 1 | 2 | 1 | 1 | 11 | 11 | 2 |
| - Umbria | - | 2 | - | - | - | 2 | - | 3 | - | 1 | - | - | - | - | - | 2 | 2 | - |
| - Marche | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Lazio | - | 101 | 24 | 71 | 27 | 267 | 17 | 107 | 40 | 116 | 41 | 4 | 27 | 24 | 5 | 130 | 164 | 40 |
| - Abruzzo | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Molise | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Campania | - | 11 | 3 | - | 2 | 20 | - | 16 | 3 | 17 | 3 | 1 | 3 | 3 | - | 15 | 20 | 4 |
| - Apulia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Basilicata | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Calabria | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - Sicily | - | - | - | - | - | 2 | - | 1 | - | 1 | - | - | - | - | - | 2 | 1 | - |
| - Sardinia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| North | - | 75 | 14 | 2 | 11 | 219 | 9 | 94 | 44 | 56 | 30 | - | 14 | 8 | 2 | 99 | 135 | 15 |
| Center | - | 123 | 27 | 72 | 29 | 283 | 19 | 122 | 44 | 124 | 44 | 5 | 29 | 25 | 6 | 143 | 177 | 42 |
| South | - | 11 | 3 | - | 2 | 22 | - | 17 | 3 | 18 | 3 | 1 | 3 | 3 | - | 17 | 21 | 4 |
| Italy | - | 209 | 44 | 74 | 42 | 524 | 28 | 233 | 91 | 198 | 77 | 6 | 46 | 36 | 8 | 259 | 333 | 61 |

HC: Hyperbaric Chamber, Echo: Echo-Tomography, CT: Computerized Axial Tomography, HD: Hemodialysis machine, ACCA: Automated Clinical Chemistry Analyzer, MON: Monitor, MRI: Magnetic Resonance Tomography, OT: Operating Table, RU: Radiological Unit, LV: Lung Ventilator, PXU: Portable X-ray Unit, LINAC: Linear Accelerator, RCT: Remote Controlled x-ray Table, AIA: Automated Immunoassay Analyzer, CGC: Computerized Gamma Camera, AM: Anesthesis Machine, SL: Shadowless Lamp, ADC: Automated Differential Cell counter.

Source: processing by *Ermeneta* – data from the Ministry of Health

2. Activity data

2.1. In-hospital days and patient bed occupancy rate

The data in Table S/13, which, once again relate to 2013, due to the already mentioned lack of updated Ministerial data, confirms the gradual but progressive decline of the allocations of available patient beds in the hospital system, which went from nearly 220,000 in 2009 to 199,000 in 2013, a decrease of -9.3%. This decrease seems to have affected the accredited private component slightly more (-9.7%), than the public component (-9.2%) as shown by the data in Table S/14. Values updated to 2016 on the availability of patient beds can however be deduced from the Section on facility data (Tab. S/5).

The Tables also describe the continuous decrease in hospitalization days, which went from 62 million in 2009 to 56 million in 2013, with a decrease of -10%, which for public facilities was -10.1%, and for private facilities was -9.6%, the latter still penalized by regional policies of lower budgets for accredited hospitals.

Table S/15 shows a comparison of the 2013 in-hospital stay values with the previous year.

The average overall length of stay remained constant at 8 days and was higher for accredited private healthcare facilities (9 days): the value shown in Table S/15 is mainly due to the influence of long-stay care and rehabilitation. The data changes when considering acute patient cases: in fact, Table S/16 shows that it is down to 7.1 days for public facilities and Table S/18 shows a number of 5.4 days for private facilities.

The overall patient bed occupancy rate, again displayed in Table S/15, was 77% in 2013, consistent with that of the previous year (77.1%).

If we consider only the acute case admissions, the average length of stay remained substantially unchanged in 2013 for both public facilities (Table S/16) and private facilities (Table S/18). At the same time, the occupancy rate tended to decrease for both types of operators (Table S/18).

2.2. Types of admissions and discharges

A more updated situation of in-hospital days and treated cases may also be deduced from the calculation of hospital discharge records (SDO, Schede di Dimissione Ospedaliera), for which a 2016 consolidated version is available.

These calculations, based again on the CMS 24.0 version of the Medicare DRGs adopted since 2009, provide a very detailed picture of the different service provider components of the National Health Service, along with some of complexity and performance indicators. The results are shown both for the totality of the healthcare institutions, and for AIOP-affiliated facilities, for which a more recent 2017 update is available.

Tables S/20 and S/21 show that over 9,000,000 patients were treated in 2016, of which almost 1.5 million (i.e. 16%) were from accredited and non-accredited private healthcare facilities. It should be recalled that since 2009 the Ministry of Health has incorporated the so-called private obligatorily affiliated institutions (otherwise known as ‘publicly assimilated’ institutions), such as private polyclinics, private research hospitals (IRCCS), private foundations, religiously affiliated classified hospitals, USL facilities and research facilities, into the column of private data in Table S/20 creating a new ‘expanded private’ sector which accounts for almost 28.5% of the overall supply in 2016.

The number of in-hospital days for inpatient admissions breaks down to 37 million for public facilities and 14.3 million for the ‘expanded private’ facilities, whereas the volume of day hospital admissions is 4.5 million and 1.4 million, respectively.

The total of in-hospital days and day admissions for accredited and non-accredited private healthcare facilities alone amounts to nearly 11 million, with a ratio of 18% of the total, compared to 17.5% in 2012.

The total data in Table S/20 also includes discharges (more than 363,000) and in-hospital days (more than 1.1 million) related to DRG 491 (normal newborns) that the Ministry of Health does not report in subsequent tables by type of institution.

The number of discharged patients and in-hospital days given by type of institution, type of activity and admissions shows a greater proportional contribution by private hospitals (accredited healthcare facilities) relating to rehabilitation and long-stay care (see Tables S/21 and S/22).

2.3. Prevalent DRGs

The examination carried out on the 2016 hospital discharge records data allows us to observe the activity of the entire hospital sector with no breakdown between public and private operators (Table S/23), while AIOP's regional offices have collected data relating to the part of those activities performed by AIOP-associated facilities, offering a preview of the 2017 results (Table S/24).

The tables mentioned display the top 60 DRGs as they relate to number of discharges for inpatient admissions for acute cases for all hospitals and private hospitals (accredited healthcare facilities), respectively. A North, Central, and South territorial breakdown is also provided for the latter (Tables S/25, S/26 and S/27).

Table S/28 illustrates in-hospital stay activity for acute patients receiving day hospital treatment in public and private healthcare institutes, with reference to the 30 most frequent DRGs. Tables S/29 and S/30 show the DRG classifications of patients who made use of rehabilitation treatment in public and private hospitals as a whole (2016) and, more specifically, in AIOP private hospitals (accredited private healthcare facilities) (2017).

At the combined public/private level, the most common DRG is still childbirth with 283,818 discharges in 2016 (compared to 316,958 units in 2012) amounting to 4.5% of cases (4.6% in 2012) (Table S/23).

On the other hand, in private hospitals (accredited private healthcare facilities) even during 2016, first place was occupied by major joint replacements or lower extremity replantation (57,968 cases, accounting for 8.4% of the sector total).

For the comparison of complexity indicators (average weight and case-mix index) for public institutions and accredited private healthcare facilities, please refer to the specific section of Part One of the Report.

2.4. Activities classified according to major diagnostic categories

Tables S/31 to S/35 contain a more aggregated classification of the same data relating to the analysis of hospital discharge records contained in the tables above, displayed in terms of the Major Diagnostic Categories (MDC) of DRGs, as reported in the hospital discharge records (SDO) of the Ministry of Health.

In inpatient admissions for acute cases, once again illnesses and disorders of the cardiovascular system stand out with 919,182 cases in 2016, compared

to 997,698 cases recorded in 2012, and for illnesses and disorders of the musculoskeletal system and connective tissue, with 806,091 cases in 2016 (compared to 849,420 in 2012), as shown by the data in Table S/31.

The greatest average hospital stay (well above the 6.9 days general total) is that for Pre MDC (35.3 days), HIV infections (16.7 days), multiple major trauma (14.2 days), burns (13.3 days), again as shown in Table S/31.

Day hospital activities for acute cases once again display illnesses and disorders of the musculoskeletal system and connective tissue (248,788 cases) (Table S/32).

Rehabilitation activities for inpatient admissions were greatest among illnesses and disorders of the musculoskeletal system and connective tissue (with 143,710 cases), followed by illnesses and disorders of the nervous system (with 73,237 cases) and illnesses and disorders of the cardiovascular system (with 47,337 cases), as shown in Table S/33.

Day hospital admissions for rehabilitation (Table S/34) show a greater concentration for the same diagnostic categories than inpatient admissions, although in a different order: in first place are illnesses and disorders of the nervous system (12,020 cases), second place are illnesses and disorders of the musculoskeletal system and connective tissue (6,348 cases), and finally the cases that fall within the MDC Factors influencing health status and use of health services (5,981 cases).

2.5. Activities classified according to specialty

The variable of making classifications by clinical specialty – which is an interesting method for analyzing the data of hospital facility activities and is regularly shown as such in Table nos. S/36 to S/60 – is again affected by the lack of updated Ministerial data for 2014.

All of the information and related indicators keep providing a kind of real database, again with reference to the year 2013, to be used for information and/or further analysis, since we compare the results of the total activities of the various accredited healthcare facilities to those specifically registered with AIOP both at the national level (Table S/36) and at the level of the individual Regions (Tables S/37 to S/57).

The data are then re-aggregated and divided for large areas of the country (Tables S/58, S/59 and S/60).

2.6. Patient mobility

The final topic of this section is represented, as in several past editions of the Report, by the aspects more properly connected with the characteristics of the hospitalization demand expressed by citizens in correlation with their perception of the quality of care offered by the Regional Health Services; a different and no less interesting interpretation of data on hospital production illustrated in the sections above. In this case, the analysis focuses on the dynamics of inter-regional patient flows, developed on the basis of data received from Ministerial mobility matrices.

The analysis of inter-regional healthcare mobility in fact, in addition to playing a key role as a tool for regional planning, helps us to assess, among other things, the propensity of citizens to make use of the principle of free choice that should be guaranteed by our system.

Table S/61 gives us a picture of the temporal evolution of this propensity, expressing it in terms of synthetic indices of attraction and flight over the last five years available, all completed by a final column showing the most recent net balance of the flow of acute patients entering and leaving their respective territorial areas.

The data extrapolated from the inter-regional mobility matrices taken from the hospital discharge records, this year updated to 2016, show the traditional inflow trend in regions such as Lombardy, constantly in the lead in this ranking with numbers exceeding 75,000 units, Emilia Romagna, Tuscany, Veneto, Umbria, and Friuli Venezia Giulia. Also appearing to be confirmed is the marked tendency to receive hospital care from other regional systems, evidently considered more reliable and more accessible, shown over time by the people of Campania, Calabria, Sicily, Abruzzo, Lazio, and Sardinia.

The phenomenon of mobility, as has often been pointed out, continues to be a sensitive topic in the debate on the reorganization of the hospital network, as is that of the freedom to choose the place for treatment. All of this increasingly motivates some Regions to sign agreements with the health systems of neighboring areas (but not only) in order to bring the flows of patients under control. The State-Regions Conference has heavily intervened to guide the behavior of the most attractive regions, cutting the financial allocation by 50% relative to the increases in flows recorded in the two-year period 2014-2015 in the accredited sector, and by 60% relative to those documented in 2016. Regional AIOP presidents were also solicited on this sensitive topic, in order to consider the financial stability of many accredited centers and to gain an understanding of the feelings of citizens and to assess the impact on incoming mobility flows.

Table S/13 – Patient beds, in-hospital days, and occupancy rate – Inpatient admissions

| | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|-----------------|----------------|-------------------|--------|----------------|-------------------|--------|----------------|-------------------|--------|----------------|-------------------|--------|----------------|-------------------|--------|
| | Patient beds | In-hospital days | O.R. % | Patient beds | In-hospital days | O.R. % | Patient beds | In-hospital days | O.R. % | Patient beds | In-hospital days | O.R. % | Patient beds | In-hospital days | O.R. % |
| Public | 172,718 | 50,836,854 | 80.6 | 168,926 | 50,114,576 | 81.3 | 166,544 | 48,492,926 | 79.8 | 161,653 | 47,155,798 | 79.9 | 156,762 | 45,685,829 | 79.8 |
| Accred. private | 46,686 | 11,281,737 | 66.2 | 45,622 | 10,945,990 | 65.7 | 44,487 | 10,688,865 | 65.8 | 42,970 | 10,422,856 | 66.5 | 42,142 | 10,202,409 | 66.3 |
| Total | 219,404 | 62,118,591 | | 214,548 | 61,060,566 | | 211,031 | 59,181,791 | | 204,623 | 57,578,654 | | 198,904 | 55,888,238 | |
| | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Public | 78.7 | 81.8 | | 78.7 | 82.1 | | 78.9 | 81.9 | | 79.0 | 81.9 | | 78.8 | 81.7 | |
| Accred. private | 21.3 | 18.2 | | 21.3 | 17.9 | | 21.1 | 18.1 | | 21.0 | 18.1 | | 21.2 | 18.3 | |
| Total | 100.0 | 100.0 | | 100.0 | 100.0 | | 100.0 | 100.0 | | 100.0 | 100.0 | | 100.0 | 100.0 | |

Source: processing by Ermeneia of data contained in the Report “Attività gestionali ed economiche delle Usl e Aziende Ospedaliere”, Ministry of Health, Years 2009, 2010, 2011, 2012 and 2013

Table S/14 – Annual increase of activity, patient beds, and in-hospital days

| | 2010/2009 | | 2011/2010 | | 2012/2011 | | 2013/2012 | | 2013/2009 | |
|-----------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|
| | Patient beds | In-hospital days | Patient beds | In-hospital days | Patient beds | In-hospital days | Patient beds | In-hospital days | Patient beds | In-hospital days |
| Public | -2.2 | -1.4 | -1.4 | -3.2 | -2.9 | -2.8 | -3.0 | -3.1 | -9.2 | -10.1 |
| Accred. private | -2.3 | -3.0 | -2.5 | -2.3 | -3.4 | -2.5 | -1.9 | -2.1 | -9.7 | -9.6 |
| Total | -2.2 | -1.7 | -1.6 | -3.1 | -3.0 | -2.7 | -2.8 | -2.9 | -9.3 | -10.0 |

Source: processing by Ermeneia of data contained in the Report “Attività gestionali ed economiche delle Usl e Aziende Ospedaliere”, Ministry of Health, Years 2009, 2010, 2011, 2012 and 2013

Table S/15 – Public and accredited private institutions – Activity data for inpatient admissions. Year 2013

| Type of institution | 2013 | | | 2012 | | |
|---|----------------|------------------|-------------------|------------------------|------------------|------------------|
| | Patient beds | Discharged pts | Days | Average length of stay | Occupancy rate % | Occupancy rate % |
| – Total public and assimilated institutions | 156,762 | 5,879,708 | 45,685,829 | 7.8 | 79.8 | 79.9 |
| – Private accredited healthcare facilities | 42,142 | 1,136,424 | 10,202,409 | 9.0 | 66.3 | 66.5 |
| Total public and accredited private institutions | 198,904 | 7,016,132 | 55,888,238 | 8.0 | 77.0 | 77.1 |

Source: processing by Ermeneia – data from the Ministry of Health

Table S/16 – Activities of acute hospital-stay (*) in public hospital facilities, by region. Year 2013 and comparison with the year 2011

| Regions | Patient beds actually used | Admissions | 2013 | | | | 2011 | | | |
|-------------------|----------------------------|------------|------------------|------------------------|--------------------|---|------------------------|--------------------|---|--|
| | | | In-hospital days | Average length of stay | Occupancy rate (%) | Hospitalization rate (per 1,000 inhab.) | Average length of stay | Occupancy rate (%) | Hospitalization rate (per 1,000 inhab.) | |
| - Piedmont | 10,758 | 383,198 | 2,925,216 | 7.6 | 74.5 | 87.6 | 7.7 | 77.8 | 93.4 | |
| - Aosta Valley | 428 | 14,748 | 113,033 | 7.7 | 72.4 | 115.4 | 8.4 | 78.7 | 114.1 | |
| - Lombardy | 23,621 | 962,330 | 6,837,352 | 7.1 | 79.3 | 98.3 | 7.2 | 80.9 | 104.5 | |
| - A.P. of Bolzano | 1,616 | 63,819 | 431,025 | 6.8 | 73.1 | 125.2 | 6.7 | 76.5 | 131.1 | |
| - A.P. of Trento | 1,315 | 47,295 | 364,855 | 7.7 | 76.0 | 89.2 | 7.7 | 97.4 | 137.3 | |
| - Veneto | 13,021 | 448,061 | 3,614,343 | 8.1 | 76.0 | 91.8 | 8.1 | 76.1 | 95.8 | |
| - Friuli V.G. | 3,653 | 130,320 | 970,378 | 7.4 | 72.8 | 106.7 | 7.6 | 70.8 | 107.9 | |
| - Liguria | 4,408 | 169,053 | 1,340,071 | 7.9 | 83.3 | 108.0 | 8.4 | 62.7 | 103.7 | |
| - Emilia R. | 11,295 | 471,636 | 3,100,207 | 6.6 | 75.2 | 107.7 | 6.7 | 76.2 | 112.9 | |
| - Tuscany | 9,251 | 384,296 | 2,506,923 | 6.5 | 74.2 | 104.1 | 6.6 | 76.3 | 111.2 | |
| - Umbria | 2,353 | 109,501 | 699,612 | 6.4 | 81.5 | 123.6 | 6.2 | 82.9 | 127.6 | |
| - Marche | 3,886 | 149,203 | 1,102,798 | 7.4 | 77.7 | 96.6 | 7.3 | 77.8 | 107.7 | |
| - Lazio | 13,042 | 526,590 | 3,937,499 | 7.5 | 82.7 | 94.8 | 7.7 | 82.8 | 92.1 | |
| - Abruzzo | 3,033 | 123,541 | 899,763 | 7.3 | 81.3 | 94.1 | 7.3 | 85.7 | 100.1 | |
| - Molise | 824 | 36,977 | 262,997 | 7.1 | 87.4 | 118.0 | 7.1 | 89.6 | 131.5 | |
| - Campania | 9,899 | 433,646 | 2,911,759 | 6.7 | 80.6 | 75.2 | 6.6 | 76.5 | 78.6 | |
| - Apulia | 8,989 | 413,949 | 2,766,050 | 6.7 | 84.3 | 102.2 | 6.6 | 80.6 | 111.8 | |
| - Basilicata | 1,422 | 55,805 | 385,415 | 6.9 | 74.3 | 96.9 | 6.9 | 70.3 | 100.7 | |
| - Calabria | 3,126 | 135,084 | 921,315 | 6.8 | 80.7 | 69.0 | 6.8 | 76.1 | 80.6 | |
| - Sicily | 9,697 | 405,120 | 2,811,350 | 6.9 | 79.4 | 81.0 | 6.8 | 79.8 | 87.0 | |
| - Sardinia | 4,528 | 163,203 | 1,119,198 | 6.9 | 67.7 | 99.5 | 7.0 | 70.4 | 109.9 | |
| - North | 70,115 | 2,690,460 | 19,696,480 | 7.3 | 77.0 | 98.3 | 7.5 | 77.1 | 103.8 | |
| - Center | 28,532 | 1,169,590 | 8,246,832 | 7.1 | 79.2 | 100.1 | 7.1 | 79.9 | 102.9 | |
| - South | 41,518 | 1,767,325 | 12,077,847 | 6.8 | 79.7 | 85.7 | 6.8 | 78.1 | 92.6 | |
| - Italy | 140,165 | 5,627,375 | 40,021,159 | 7.1 | 78.2 | 94.3 | 7.2 | 78.0 | 99.7 | |

(*) The following specialties are excluded: 22 – Residual mental health facilities; 28 – Spinal care unit; 56 – Functional recovery and rehabilitation; 60 – Long-stay care pts; 75 – Neurological rehabilitation.

Note: latest Ministry data available at the date of publication of the Report.

Source: data from the Ministry of Health

Table S/17 – Activities of non-acute hospital stay (*) in public hospital facilities, by region. Year 2013 and comparison with the year 2011

| Regions | Patient beds actually used | Admissions | In-hospital days | 2013 | | 2011 | |
|-------------------|----------------------------|----------------|------------------|------------------------|--------------------|------------------------|--------------------|
| | | | | Average length of stay | Occupancy rate (%) | Average length of stay | Occupancy rate (%) |
| - Piedmont | 2,144 | 23,173 | 656,606 | 28.3 | 83.9 | 29.0 | 89.9 |
| - Aosta Valley | 25 | 157 | 3,895 | 24.8 | 42.7 | - | - |
| - Lombardy | 3,800 | 52,018 | 1,267,088 | 24.4 | 91.4 | 23.9 | 89.6 |
| - A.P. of Bolzano | 78 | 1,051 | 19,973 | 19.0 | 70.2 | 23.2 | 87.8 |
| - A.P. of Trento | 101 | 1,256 | 37,691 | 30.0 | 102.2 | 29.4 | 125.3 |
| - Veneto | 2,178 | 26,666 | 677,600 | 25.4 | 85.2 | 25.8 | 84.2 |
| - Friuli V.G. | 304 | 4,193 | 111,995 | 26.7 | 100.9 | 28.7 | 90.5 |
| - Liguria | 803 | 12,895 | 251,428 | 19.5 | 85.8 | 21.6 | 69.1 |
| - Emilia Romagna | 1,931 | 26,408 | 835,464 | 32.4 | 121.4 | 35.4 | 122.6 |
| - Tuscany | 530 | 6,860 | 161,169 | 23.5 | 83.3 | 21.4 | 82.7 |
| - Umbria | 276 | 3,719 | 95,109 | 25.6 | 94.4 | 24.5 | 90.9 |
| - Marche | 494 | 7,411 | 138,688 | 18.7 | 76.9 | 24.3 | 76.5 |
| - Lazio | 1,239 | 11,842 | 424,752 | 35.9 | 93.9 | 42.3 | 94.8 |
| - Abruzzo | 268 | 3,630 | 61,380 | 16.9 | 62.7 | 16.8 | 61.8 |
| - Molise | 171 | 1,732 | 50,554 | 29.2 | 81.0 | 32.9 | 82.4 |
| - Campania | 405 | 4,454 | 129,588 | 29.1 | 87.7 | 28.1 | 82.9 |
| - Apulia | 714 | 8,397 | 209,416 | 24.9 | 80.4 | 26.0 | 61.1 |
| - Basilicata | 223 | 2,110 | 60,327 | 28.6 | 74.1 | 35.4 | 67.4 |
| - Calabria | 60 | 1,128 | 17,700 | 15.7 | 80.8 | 18.6 | 65.0 |
| - Sicily | 953 | 6,867 | 249,427 | 36.3 | 71.7 | 42.6 | 73.5 |
| - Sardinia | 122 | 995 | 36,923 | 37.1 | 82.9 | 35.1 | 65.5 |
| - North | 11,364 | 147,817 | 3,881,740 | 26.3 | 93.6 | 27.2 | 93.7 |
| - Center | 2,539 | 29,832 | 819,718 | 27.5 | 88.5 | 30.7 | 88.8 |
| - South | 2,916 | 29,313 | 815,315 | 27.8 | 76.6 | 28.4 | 69.0 |
| Italy | 16,819 | 206,962 | 5,516,773 | 26.7 | 89.9 | 27.8 | 88.7 |

(*) The following specialties are included: 22 – Residual mental health facilities, 28: Spinal care unit, 56 – Functional recovery and rehabilitation, 60 – Long-stay care pts, 75 – Neurological rehabilitation.

Note: latest Ministry data available at the date of publication of the Report.

Source: data from the Ministry of Health

Table S/18 – Activities of acute hospital-stay (*) in private hospitals (accredited healthcare facilities), by region. Year 2013 and comparison with the year 2011

| Regions | 2013 | | | | 2011 | | | |
|-------------------|------------|------------------|------------------------|--------------------|---|------------------------|--------------------|---|
| | Admissions | In-hospital days | Average length of stay | Occupancy rate (%) | Hospitalization rate (per 1,000 inhab.) | Average length of stay | Occupancy rate (%) | Hospitalization rate (per 1,000 inhab.) |
| - Piedmont | 36,410 | 142,188 | 3.9 | 41.4 | 8.3 | 4.8 | 41.5 | 8.8 |
| - Aosta Valley | 772 | 1,324 | 1.7 | 36.3 | 6.0 | - | - | - |
| - Lombardy | 205,325 | 971,421 | 4.7 | 59.4 | 21.0 | 4.8 | 60.5 | 20.9 |
| - A.P. of Bolzano | 741 | 7,658 | 10.3 | 67.7 | 1.5 | 12.7 | 68.6 | 2.9 |
| - A.P. of Trento | 2,808 | 18,671 | 6.6 | 49.2 | 5.3 | 6.5 | 53.2 | 5.3 |
| - Veneto | 17,888 | 202,534 | 11.3 | 75.5 | 3.7 | 11.0 | 82.2 | 4.1 |
| - Friuli V.G. | 7,568 | 39,963 | 5.3 | 33.0 | 6.2 | 6.0 | 28.3 | 5.0 |
| - Liguria | 1,724 | 9,370 | 5.4 | 42.8 | 1.1 | 6.1 | 57.2 | 0.9 |
| - Emilia R. | 89,847 | 507,984 | 5.7 | 53.1 | 20.5 | 6.0 | 55.1 | 21.8 |
| - Tuscany | 33,368 | 171,332 | 5.1 | 48.3 | 9.0 | 5.5 | 43.2 | 8.5 |
| - Umbria | 6,018 | 17,707 | 2.9 | 26.8 | 6.8 | 3.0 | 25.8 | 7.1 |
| - Marche | 18,250 | 85,744 | 4.7 | 52.4 | 11.8 | 5.0 | 53.4 | 12.2 |
| - Lazio | 76,876 | 494,196 | 6.4 | 54.9 | 13.8 | 7.6 | 62.1 | 14.8 |
| - Abruzzo | 22,631 | 129,796 | 5.7 | 64.1 | 17.2 | 5.8 | 55.4 | 14.2 |
| - Molise | 2,672 | 14,725 | 5.5 | 50.4 | 8.5 | 6.0 | 53.3 | 8.3 |
| - Campania | 4,305 | 1,002,651 | 5.6 | 63.8 | 30.8 | 5.7 | 66.7 | 34.7 |
| - Apulia | 80,092 | 364,028 | 4.5 | 62.7 | 19.8 | 4.6 | 62.7 | 20.9 |
| - Basilicata | 1,640 | 5,653 | 3.4 | 31.0 | 2.8 | 3.6 | 18.5 | 1.6 |
| - Calabria | 35,529 | 172,291 | 4.8 | 52.3 | 18.1 | 5.4 | 47.9 | 22.8 |
| - Sicily | 92,294 | 520,289 | 5.6 | 48.9 | 18.5 | 5.5 | 49.7 | 21.0 |
| - Sardinia | 780 | 108,395 | 5.0 | 38.1 | 13.2 | 5.6 | 35.1 | 13.9 |
| - North | 9,308 | 1,901,113 | 5.2 | 56.0 | 13.3 | 5.5 | 57.0 | 13.5 |
| - Center | 4,065 | 768,979 | 5.7 | 51.8 | 11.5 | 6.6 | 55.0 | 11.9 |
| - South | 11,181 | 2,317,828 | 5.3 | 56.8 | 21.1 | 5.4 | 56.6 | 23.2 |
| - Italy | 24,554 | 4,987,920 | 5.4 | 55.7 | 15.6 | 5.6 | 56.5 | 16.6 |

(*) The following specialties are excluded: 22 – Residual mental health facilities, 28 – Spinal care unit, 56 – Functional recovery and rehabilitation, 60 – Long-stay care pts, 75 – Neurological rehabilitation.

Note: latest Ministry data available at the date of publication of the Report.

Source: data from the Ministry of Health

Table S/19 – Activities of non-acute hospital stay (*) in private hospitals (accredited healthcare facilities), by region. Year 2013 and comparison with the year 2011

| Regions | 2011 | | 2013 | | Admissions | In-hospital days | 2013 | | Occupancy rate (%) | Average length of stay | Occupancy rate (%) |
|-------------------|----------------------------|--------------------|------------------------|--------------------|------------|------------------|------|-------|--------------------|------------------------|--------------------|
| | Patient beds actually used | Occupancy rate (%) | Average length of stay | Occupancy rate (%) | | | | | | | |
| - Piedmont | 2,405 | 66.3 | 29.9 | 73.0 | 21,461 | 640,642 | 32.7 | 73.0 | 32.7 | 66.3 | |
| - Aosta Valley | 64 | 58.0 | 20.1 | 66.2 | 770 | 15,461 | 22.3 | 66.2 | 22.3 | 58.0 | |
| - Lombardy | 3,427 | 93.4 | 23.5 | 92.8 | 49,357 | 1,161,323 | 23.9 | 92.8 | 23.9 | 93.4 | |
| - A.P. of Bolzano | 231 | 99.1 | 24.5 | 104.8 | 3,610 | 88,334 | 24.9 | 104.8 | 24.9 | 99.1 | |
| - A.P. of Trento | 428 | 100.1 | 22.2 | 107.1 | 7,534 | 167,329 | 23.0 | 107.1 | 23.0 | 100.1 | |
| - Veneto | 423 | 90.2 | 22.4 | 84.4 | 5,820 | 130,250 | 22.3 | 84.4 | 22.3 | 90.2 | |
| - Friuli V.G. | 96 | 68.4 | 21.7 | 55.4 | 895 | 19,428 | 21.9 | 55.4 | 21.9 | 68.4 | |
| - Liguria | 123 | 75.2 | 11.0 | 70.2 | 2,868 | 31,530 | 12.9 | 70.2 | 12.9 | 75.2 | |
| - Emilia Romagna | 1,697 | 97.6 | 22.0 | 96.0 | 27,072 | 594,658 | 22.4 | 96.0 | 22.4 | 97.6 | |
| - Tuscany | 583 | 74.9 | 25.2 | 83.8 | 7,059 | 178,227 | 22.8 | 83.8 | 22.8 | 74.9 | |
| - Umbria | 32 | 57.7 | 12.1 | 51.1 | 495 | 5,966 | 12.7 | 51.1 | 12.7 | 57.7 | |
| - Marche | 415 | 88.4 | 31.2 | 86.4 | 4,191 | 130,940 | 30.8 | 86.4 | 30.8 | 88.4 | |
| - Lazio | 1,953 | 82.7 | 29.7 | 90.0 | 21,573 | 641,686 | 34.4 | 90.0 | 34.4 | 82.7 | |
| - Abruzzo | 445 | 81.6 | 25.3 | 85.2 | 5,476 | 138,376 | 26.9 | 85.2 | 26.9 | 81.6 | |
| - Molise | 60 | 73.7 | 24.4 | 53.4 | 479 | 11,702 | 29.7 | 53.4 | 29.7 | 73.7 | |
| - Campania | 1,406 | 85.8 | 35.5 | 69.5 | 10,051 | 356,451 | 38.1 | 69.5 | 38.1 | 85.8 | |
| - Apulia | 694 | 81.6 | 23.2 | 81.0 | 8,847 | 205,265 | 22.5 | 81.0 | 22.5 | 81.6 | |
| - Basilicata | 99 | 50.8 | 34.4 | 87.2 | 915 | 31,506 | 33.7 | 87.2 | 33.7 | 50.8 | |
| - Calabria | 792 | 73.1 | 26.8 | 64.6 | 6,962 | 186,716 | 31.5 | 64.6 | 31.5 | 73.1 | |
| - Sicily | 799 | 81.6 | 21.9 | 87.0 | 11,589 | 253,668 | 21.5 | 87.0 | 21.5 | 81.6 | |
| - Sardinia | 224 | 69.4 | 19.5 | 73.7 | 3,090 | 60,282 | 20.9 | 73.7 | 20.9 | 69.4 | |
| - North | 8,894 | 86.9 | 23.9 | 87.8 | 119,387 | 2,848,955 | 24.5 | 87.8 | 24.5 | 86.9 | |
| - Center | 2,983 | 81.9 | 28.7 | 87.9 | 33,318 | 956,819 | 31.4 | 87.9 | 31.4 | 81.9 | |
| - South | 4,519 | 79.8 | 26.2 | 75.4 | 47,409 | 1,243,966 | 27.3 | 75.4 | 27.3 | 79.8 | |
| - Italy | 16,396 | 83.9 | 25.2 | 84.4 | 200,114 | 5,049,740 | 26.5 | 84.4 | 26.5 | 83.9 | |

(*) The following specialties are included: 22 – Residual mental health facilities, 28: Spinal care unit, 56 – Functional recovery and rehabilitation, 60 – Long-stay care pts, 75 – Neurological rehabilitation.

Note: latest Ministry data available at the date of publication of the Report.

Source: data from the Ministry of Health

Table S/20 – Hospital Discharge Records (SDO): recorded activity, national grand total, and totals for public and private institutions – Discharged pts and in-hospital days. Year 2016

| | Number of cases | | Number of days | | Total |
|---|------------------|------------------|------------------|-------------------|-------------------|
| | Public | Private | Public | Private | |
| - Inpatient admissions for acute cases | 4,793,135 | 1,493,137 | 6,286,272 | 35,086,253 | 43,160,653 |
| - Day hospital for acute cases | 1,404,336 | 546,679 | 1,951,015 | 4,292,927 | 5,348,182 |
| - Rehabilitation for inpatient admissions | 78,847 | 239,512 | 318,359 | 1,963,871 | 8,213,676 |
| - Rehabilitation – Day hospital | 13,090 | 18,841 | 31,931 | 155,990 | 471,111 |
| - Long-stay care | 54,073 | 50,721 | 104,794 | 1,377,180 | 2,890,779 |
| - Normal newborns ⁽¹⁾ | 289,268 | 74,222 | 363,490 | 881,507 | 1,106,785 |
| Total | 6,632,749 | 2,423,112 | 9,055,861 | 43,757,728 | 61,191,186 |

Public institutions: Hospital Centers, University Hospital Centers and Public Polyclinics, Public I.R.C.C.S. and Public Foundations, Directly Managed Hospitals.

Private institutions: Private Polyclinics, Private I.R.C.C.S. and Private Foundations, Classified Hospitals, USL Facilities, Research Facilities, Accredited Private Healthcare Facilities.

The item “Long-stay care” includes discharged pts from inpatient admissions and day-hospital.

(1) Classified in the DRG 391.

Source: data from the Ministry of Health – SDO 2016

Table S/21 – Distribution of discharged pts classified according to type of institution, activity, and admissions. Year 2016

| Type of institution | Acute | | | | | | Rehabilitation | | | | | |
|--|----------------------|--------------|------------------|--------------|----------------------|--------------|----------------|--------------|----------------------|--------------|--------------|---|
| | Inpatient admissions | | Day hospital | | Inpatient admissions | | Day hospital | | Inpatient admissions | | Day hospital | |
| | Number | % | Number | % | Number | % | Number | % | Number | % | Number | % |
| - Public institutions and equivalents | 5,365,416 | 85.3 | 1,652,056 | 84.7 | 149,643 | 47.0 | 21,966 | 68.8 | 55,944 | 53.4 | | |
| - Private hospitals (accredited healthcare facilities) | 864,778 | 13.8 | 290,024 | 14.9 | 168,650 | 53.0 | 9,965 | 31.2 | 48,401 | 46.2 | | |
| - Private healthcare facilities | 56,078 | 0.9 | 8,935 | 0.4 | 66 | 0.0 | - | 0.0 | 449 | 0.4 | | |
| Total | 6,286,272 | 100.0 | 1,951,015 | 100.0 | 318,359 | 100.0 | 31,931 | 100.0 | 104,794 | 100.0 | | |

Source: data from the Ministry of Health – SDO 2016

Table S/22 – Distribution of in-hospital days classified according to type of institution, activity, and admissions. Year 2016

| Type of institution | Acute | | | | | | Rehabilitation | | | | | |
|--|----------------------|--------------|------------------|--------------|----------------------|--------------|----------------|--------------|----------------------|--------------|--------------|---|
| | Inpatient admissions | | Day hospital | | Inpatient admissions | | Day hospital | | Inpatient admissions | | Day hospital | |
| | Number | % | Number | % | Number | % | Number | % | Number | % | Number | % |
| - Public institutions and equivalents | 38,705,801 | 89.7 | 4,850,652 | 90.7 | 3,982,398 | 48.5 | 279,180 | 59.3 | 1,429,058 | 49.4 | | |
| - Private hospitals (accredited healthcare facilities) | 4,274,034 | 9.9 | 488,070 | 9.1 | 4,229,904 | 51.5 | 191,931 | 40.7 | 1,451,247 | 50.2 | | |
| - Private healthcare facilities | 180,818 | 0.4 | 9,460 | 0.2 | 1,374 | 0.0 | - | 0.0 | 10,474 | 0.4 | | |
| Total | 43,160,653 | 100.0 | 5,348,182 | 100.0 | 8,213,676 | 100.0 | 471,111 | 100.0 | 2,890,779 | 100.0 | | |

Source: data from the Ministry of Health – SDO 2016

Table S/23 – Total number of public and private healthcare facilities: top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases, Year 2016

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay |
|------|---|------------|----------|--------------------|------------------------|
| | | Number | % cumul. | | |
| 1 | 373 Vaginal Delivery W/O Complicating Diagnoses | 283,818 | 4.5 | 2.3 | 3.4 |
| 2 | 127 Heart Failure & Shock | 180,584 | 2.9 | 3.9 | 9.3 |
| 3 | 544 Major Joint Replacement or Reattachment of Lower Extremity | 164,483 | 2.6 | 3.3 | 8.5 |
| 4 | 371 Cesarean Section W/O Cc | 148,904 | 2.4 | 1.6 | 4.6 |
| 5 | 087 Pulmonary Edema & Respiratory Failure | 145,624 | 2.3 | 3.3 | 9.8 |
| 6 | 359 Uterine & Adnexa Proc For Non-Malignancy W/O Cc | 98,609 | 1.6 | 0.8 | 3.6 |
| 7 | 014 Intracranial Hemorrhage Or Cerebral Infarction | 91,845 | 1.5 | 2.1 | 10.0 |
| 8 | 494 Laparoscopic Cholecystectomy W/O C.C.D.E. W/O Cc | 81,407 | 1.3 | 0.7 | 3.5 |
| 9 | 430 Psychoses | 80,370 | 1.3 | 2.5 | 13.2 |
| 10 | 089 Simple Pneumonia & Pleurisy Age >17 W Cc | 76,597 | 1.2 | 2.0 | 11.1 |
| 11 | 316 Renal failure | 75,079 | 1.2 | 1.7 | 9.6 |
| 12 | 576 Septicemia W/O Mv 96+ Hours Age >17 | 66,248 | 1.1 | 2.0 | 13.1 |
| 13 | 311 Transurethral Procedures W/O Cc | 65,738 | 1.0 | 0.5 | 3.4 |
| 14 | 125 Circulatory Disorders Except Ami, W Card Cath W/O Complex Diag | 64,626 | 1.0 | 0.5 | 3.3 |
| 15 | 557 Percutaneous Cardiovascular Proc W Drug-Eluting Stent W Major Cv Dx | 60,070 | 1.0 | 26.8 | 1.0 |
| 16 | 183 Esophagitis, Gastroent & Misc Digest Disorders Age >17 W/O Cc | 56,700 | 0.9 | 0.7 | 5.0 |
| 17 | 503 Knee Procedures W/O Pdx Of Infection | 51,247 | 0.8 | 0.2 | 1.8 |
| 18 | 219 Lower Extrem & Humerus Proc Except Hip, Foot, Femur Age >17 W/O Cc | 50,949 | 0.8 | 0.8 | 6.6 |
| 19 | 390 Neonate W Other Significant Problems | 50,753 | 0.8 | 30.1 | 4.0 |
| 20 | 410 Chemotherapy W/O Acute Leukemia As Secondary Diagnosis | 50,672 | 0.8 | 0.5 | 4.4 |
| 21 | 558 Percutaneous Cardiovascular Proc W Drug-Eluting Stent W/O Maj Cv Dx | 50,203 | 0.8 | 31.7 | 0.5 |
| 22 | 225 Foot Procedures | 49,160 | 0.8 | 32.5 | 0.2 |
| 23 | 162 Inguinal & Femoral Hernia Procedures Age >17 W/O Cc | 48,264 | 0.8 | 33.3 | 1.8 |
| 24 | 467 Other Factors Influencing Health Status | 43,726 | 0.7 | 34.0 | 0.3 |
| 25 | 224 Shoulder, Elbow Or Forearm Proc, Except Major Joint Proc, W/O Cc | 41,168 | 0.7 | 34.6 | 0.3 |
| 26 | 082 Respiratory Neoplasms | 41,050 | 0.7 | 35.3 | 10.1 |
| 27 | 203 Malignancy Of Hepatobiliary System Or Pancreas | 40,758 | 0.6 | 35.9 | 9.3 |
| 28 | 211 Hip & Femur Procedures Except Major Joint Age >17 W/O Cc | 39,487 | 0.6 | 36.5 | 10.2 |
| 29 | 395 Red Blood Cell Disorders Age >17 | 38,507 | 0.6 | 37.2 | 0.7 |
| 30 | 524 Transient Ischemia | 38,326 | 0.6 | 37.8 | 6.8 |
| 31 | 552 Other Permanent Cardiac Pacemaker Implant W/O Major Cv Dx | 35,928 | 0.6 | 38.3 | 5.2 |
| 32 | 088 Chronic Obstructive Pulmonary Disease | 35,849 | 0.6 | 38.9 | 8.5 |
| 33 | 158 Anal & Stomal Procedures W/O Cc | 34,893 | 0.6 | 39.5 | 2.2 |

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(Continued) Table S/23 – Total number of public and private healthcare facilities: top 60 DRGs according to the number of discharges (DRG Version 2.0) – Inpatient admissions for acute cases, Year 2016

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | | |
|------|-----|--|-----------|--------------------|------------------------|-------|------|
| | | Number | % cumul. | | | | |
| 34 | 290 | Thyroid Procedures | 34,263 | 0.5 | 40.0 | 0.3 | 3.2 |
| 35 | 381 | Abortion W/D&C, Aspiration Curettage Or Hysterotomy | 34,214 | 0.5 | 40.6 | 0.1 | 1.7 |
| 36 | 149 | Major Small & Large Bowel Procedures W/O Cc | 33,816 | 0.5 | 41.1 | 0.8 | 9.9 |
| 37 | 055 | Miscellaneous Ear, Nose, Mouth & Throat Procedures | 33,287 | 0.5 | 41.6 | 0.2 | 2.1 |
| 38 | 518 | Perc Cardio Proc W/O Coronary Artery Stent Or Ami | 32,919 | 0.5 | 42.1 | 0.3 | 3.5 |
| 39 | 139 | Cardiac Arrhythmia & Conduction Disorders W/O Cc | 32,553 | 0.5 | 42.7 | 0.3 | 3.8 |
| 40 | 337 | Transurethral Prostatectomy W/O Cc | 32,119 | 0.5 | 43.2 | 0.3 | 4.3 |
| 41 | 124 | Circulatory Disorders Except Ami, W Card Cath & Complex Diag | 32,013 | 0.5 | 43.7 | 0.5 | 6.9 |
| 42 | 500 | Back & Neck Procedures Except Spinal Fusion W/O Cc | 31,207 | 0.5 | 44.2 | 0.3 | 4.1 |
| 43 | 012 | Degenerative Nervous System Disorders | 30,969 | 0.5 | 44.7 | 0.6 | 8.3 |
| 44 | 210 | Hip & Femur Procedures Except Major Joint Age >17 W Cc | 30,960 | 0.5 | 45.2 | 0.9 | 13.2 |
| 45 | 090 | Simple Pneumonia & Pleurisy Age >17 W/O Cc | 30,547 | 0.5 | 45.6 | 0.6 | 8.6 |
| 46 | 379 | Threatened Abortion | 30,189 | 0.5 | 46.1 | 0.3 | 4.7 |
| 47 | 208 | Disorders Of The Biliary Tract W/O Cc | 29,541 | 0.5 | 46.6 | 0.5 | 6.7 |
| 48 | 260 | Subtotal Mastectomy For Malignancy W/O Cc | 29,114 | 0.5 | 47.1 | 0.2 | 2.3 |
| 49 | 184 | Esophagitis, Gastroent & Misc Digest Disorders Age < 18 | 28,247 | 0.4 | 47.5 | 0.2 | 3.3 |
| 50 | 202 | Cirrhosis & Alcoholic Hepatitis | 28,053 | 0.4 | 48.0 | 0.7 | 10.1 |
| 51 | 098 | Bronchitis & Asthma Age 0-17 | 27,306 | 0.4 | 48.4 | 0.3 | 4.3 |
| 52 | 389 | Full Term Neonate W Major Problems | 26,059 | 0.4 | 48.8 | 0.4 | 6.9 |
| 53 | 174 | G.I. Hemorrhage W Cc | 25,938 | 0.4 | 49.2 | 0.5 | 9.1 |
| 54 | 479 | Other Vascular Procedures W/O Cc | 25,628 | 0.4 | 49.6 | 0.3 | 4.8 |
| 55 | 538 | Local Excis & Removal of Int Fix Dev Except Hip & Femur W/O Cc | 25,125 | 0.4 | 50.0 | 0.2 | 2.6 |
| 56 | 204 | Disorders of Pancreas Except Malignancy | 25,078 | 0.4 | 50.4 | 0.5 | 9.2 |
| 57 | 227 | Soft Tissue Procedures W/O Cc | 24,939 | 0.4 | 50.8 | 0.2 | 2.6 |
| 58 | 243 | Medical Back Problems | 24,720 | 0.4 | 51.2 | 0.4 | 6.3 |
| 59 | 229 | Hand Or Wrist Proc, Except Major Joint Proc, W/O Cc | 24,496 | 0.4 | 51.6 | 0.1 | 2.0 |
| 60 | 143 | Chest pain | 24,479 | 0.4 | 52.0 | 0.2 | 3.4 |
| | | Total (top 60 DRGs) | 3,269,421 | 52.0 | | 47.6 | |
| | | Grand Total | 6,288,571 | 100.0 | | 100.0 | 6.9 |

Source: data from the Ministry of Health – SDO 2016

Table S/24 – AIOP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases. Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|-----|------------|----------|--------------------|------------------------|------------------|
| | | Number | % cumul. | | | |
| 1 | 544 | 57,968 | 8.4 | 8.2 | 6.4 | 370,689 |
| 2 | 503 | 21,642 | 3.2 | 0.9 | 1.9 | 41,517 |
| 3 | 039 | 19,081 | 2.8 | 14.4 | 4.8 | 92,034 |
| 4 | 225 | 18,551 | 2.7 | 17.1 | 1.5 | 27,010 |
| 5 | 371 | 14,996 | 2.2 | 19.3 | 4.1 | 61,154 |
| 6 | 127 | 13,382 | 1.9 | 21.2 | 9.1 | 121,288 |
| 7 | 359 | 12,871 | 1.9 | 23.1 | 3.0 | 38,529 |
| 8 | 373 | 12,796 | 1.9 | 24.9 | 3.5 | 44,510 |
| 9 | 125 | 11,648 | 1.7 | 26.6 | 2.5 | 29,632 |
| 10 | 494 | 10,403 | 1.5 | 28.2 | 2.7 | 28,517 |
| 11 | 288 | 9,551 | 1.4 | 29.5 | 3.8 | 35,857 |
| 12 | 224 | 8,878 | 1.3 | 30.8 | 1.9 | 16,538 |
| 13 | 430 | 8,759 | 1.3 | 32.1 | 5.6 | 256,393 |
| 14 | 162 | 8,750 | 1.3 | 33.4 | 2.6 | 22,513 |
| 15 | 311 | 8,064 | 1.2 | 34.6 | 2.8 | 22,971 |
| 16 | 223 | 7,718 | 1.1 | 35.7 | 1.5 | 11,813 |
| 17 | 498 | 7,428 | 1.1 | 36.8 | 0.7 | 32,890 |
| 18 | 410 | 7,325 | 1.1 | 37.8 | 12.7 | 575,906 |
| 19 | 158 | 7,008 | 1.0 | 38.9 | 0.3 | 14,713 |
| 20 | 558 | 6,707 | 1.0 | 39.8 | 0.5 | 21,949 |
| 21 | 518 | 6,596 | 1.0 | 40.8 | 0.4 | 17,656 |
| 22 | 087 | 6,354 | 0.9 | 41.7 | 1.4 | 63,876 |
| 23 | 183 | 6,191 | 0.9 | 42.6 | 0.6 | 29,519 |
| 24 | 500 | 5,926 | 0.9 | 43.5 | 0.4 | 18,745 |
| 25 | 337 | 5,705 | 0.8 | 44.3 | 0.5 | 21,988 |
| 26 | 297 | 5,097 | 0.8 | 45.1 | 0.6 | 25,726 |
| 27 | 479 | 5,097 | 0.7 | 45.8 | 0.4 | 16,652 |
| 28 | 139 | 4,903 | 0.7 | 46.6 | 0.3 | 15,490 |
| 29 | 467 | 4,763 | 0.7 | 47.2 | 1.0 | 46,969 |
| 30 | 227 | 4,695 | 0.7 | 47.9 | 0.2 | 8,121 |

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(Continued) Table S/24 – AIOIP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|---|------------|------|--------------------|------------------------|------------------|
| | | Number | % | | | |
| 31 | Local Excis & Remov of Int Fix Dev Except Hip & Femur W/O Cc | 4,691 | 0.7 | 48.6 | 2.1 | 9,794 |
| 32 | Cardiac Valve & Oth Major Cardiothoracic Proc W Card Cath | 4,636 | 0.7 | 49.3 | 12.6 | 58,407 |
| 33 | Medical Back Problems | 4,479 | 0.7 | 49.9 | 5.6 | 24,917 |
| 34 | Arthroscopy | 4,460 | 0.6 | 50.6 | 1.2 | 5,297 |
| 35 | Degenerative Nervous System Disorders | 4,346 | 0.6 | 51.2 | 9.8 | 42,802 |
| 36 | Simple Pneumonia & Pleurisy Age >17 W Cc | 4,231 | 0.6 | 51.8 | 11.3 | 47,614 |
| 37 | Lower Extrem & Humerus Proc Except Hip, Foot, Femur Age >17 W/O Cc | 4,047 | 0.6 | 52.4 | 4.4 | 17,617 |
| 38 | Other Musculosket Sys & Conn Tiss O.R. Proc W/O Cc | 3,697 | 0.5 | 53.0 | 2.0 | 7,475 |
| 39 | Miscellaneous Ear, Nose, Mouth & Throat Procedures | 3,639 | 0.5 | 53.5 | 1.4 | 5,107 |
| 40 | Renal failure | 3,608 | 0.5 | 54.0 | 8.0 | 29,021 |
| 41 | Revision Of Hip Or Knee Replacement | 3,583 | 0.5 | 54.5 | 8.4 | 30,159 |
| 42 | Hand Or Wrist Proc, Except Major Joint Proc, W/O Cc | 3,553 | 0.5 | 55.1 | 1.3 | 4,545 |
| 43 | Chronic Obstructive Pulmonary Disease | 3,508 | 0.5 | 55.6 | 8.5 | 29,725 |
| 44 | Hernia Procedures Except Inguinal & Femoral Age >17 W/O Cc | 3,391 | 0.5 | 56.1 | 2.2 | 7,9023 |
| 45 | Intracranial Hemorrhage Or Cerebral Infarction | 3,371 | 0.5 | 56.6 | 9.4 | 31,699 |
| 46 | Other Permanent Cardiac Pacemaker Implant W/O Major Cv Dx | 3,275 | 0.5 | 57.0 | 4.0 | 13,036 |
| 47 | Major Joint & Limb Reattachment Procedures Of Upper Extremity | 3,266 | 0.5 | 57.5 | 4.5 | 14,815 |
| 48 | Chest pain | 2,868 | 0.4 | 57.9 | 2.2 | 6,399 |
| 49 | Major Small & Large Bowel Procedures W/O Cc | 2,757 | 0.4 | 58.3 | 8.7 | 23,881 |
| 50 | 119 Vein Ligation & Stripping | 2,720 | 0.4 | 58.7 | 1.3 | 3,596 |
| 51 | 339 Testes Procedures, Non-Malignancy Age >17 | 2,715 | 0.4 | 59.1 | 2.0 | 5,489 |
| 52 | Disorders Of Personality & Impulse Control | 2,687 | 0.4 | 59.5 | 1.7 | 28.3 |
| 53 | 189 Other Digestive System Diagnoses Age >17 W/O Cc | 2,668 | 0.4 | 59.9 | 3.3 | 4.7 |
| 54 | 120 Other Circulatory System O.R. Procedures | 2,655 | 0.4 | 60.3 | 4.9 | 12,970 |
| 55 | 290 Thyroid Procedures | 2,623 | 0.4 | 60.7 | 2.2 | 7,584 |
| 56 | 395 Red Blood Cell Disorders Age >17 | 2,620 | 0.4 | 61.1 | 0.5 | 9.1 |
| 57 | 557 Percutaneous Cardiovascular Proc W Drug-Eluting Stent W Major Cv Dx | 2,607 | 0.4 | 61.4 | 7.4 | 19,379 |
| 58 | 090 Simple Pneumonia & Pleurisy Age >17 W/O Cc | 2,606 | 0.4 | 61.8 | 0.5 | 23,220 |
| 59 | 017 Nonspecific Cerebrovascular Disorders W/O Cc | 2,576 | 0.4 | 62.2 | 0.7 | 33,510 |
| 60 | 053 Sinus & Mastoid Procedures Age >17 | 2,550 | 0.4 | 62.6 | 0.1 | 4,653 |
| | Total (top 60 DRGs) | 429,616 | 62.6 | | 1.8 | 2,765,437 |
| | Grand Total | 686,775 | | | 6.6 | 4,545,117 |

Source: processing by *Ermeneta* – data from *AIOIP*

Table S/25 – AIOIP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admission for acute cases in the North of Italy, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|---|------------|---------|--------------------|------------------------|------------------|
| | | Number | % cumm. | | | |
| 1 | 544 Major Joint Replacement or Reattachment of Lower Extremity | 36,441 | 10.7 | 11.2 | 6.3 | 230,247 |
| 2 | 225 Foot Procedures | 11,141 | 3.3 | 13.9 | 0.7 | 13,570 |
| 3 | 503 Knee Procedures W/O Pdx Of Infection | 11,041 | 3.2 | 17.2 | 0.8 | 16,557 |
| 4 | 288 O.R., Procedures For Obesity | 7,092 | 2.1 | 19.3 | 1.2 | 24,584 |
| 5 | 127 Heart Failure & Shock | 6,649 | 1.9 | 21.2 | 3.2 | 65,663 |
| 6 | 224 Shoulder, Elbow Or Forearm Proc, Except Major Joint Proc, W/O Cc | 6,078 | 1.8 | 23.0 | 0.5 | 9,983 |
| 7 | 359 Uterine & Adnexa Proc For Non-Malignancy W/O Cc | 5,363 | 1.6 | 24.6 | 0.6 | 12,550 |
| 8 | 311 Transurethral Procedures W/O Cc | 4,989 | 1.5 | 26.0 | 0.6 | 12,240 |
| 9 | 430 Psychoses | 4,842 | 1.4 | 27.4 | 4.2 | 86,550 |
| 10 | 518 Perc Cardio Proc W/O Coronary Artery Stent Or Ami | 4,421 | 1.3 | 28.7 | 0.6 | 11,644 |
| 11 | 494 Laparoscopic Cholecystectomy W/O C.D.E. W/O Cc | 4,245 | 1.2 | 30.0 | 0.5 | 10,280 |
| 12 | 373 Vaginal Delivery W/O Complicating Diagnoses | 4,229 | 1.2 | 31.2 | 0.7 | 14,104 |
| 13 | 232 Arthroscopy | 3,990 | 1.2 | 32.4 | 0.2 | 4,427 |
| 14 | 125 Circulatory Disorders Except Ami, W Card Cath W/O Complex Diag | 3,813 | 1.1 | 33.5 | 0.5 | 10,050 |
| 15 | 498 Spinal Fusion Except Cervical W/O Cc | 3,751 | 1.1 | 34.6 | 0.8 | 17,457 |
| 16 | 158 Anal & Stomal Procedures W/O Cc | 3,605 | 1.1 | 35.7 | 0.2 | 4,966 |
| 17 | 337 Transurethral Prostatectomy W/O Cc | 3,374 | 1.0 | 36.6 | 0.6 | 11,349 |
| 18 | 500 Back & Neck Procedures Except Spinal Fusion W/O Cc | 3,287 | 1.0 | 37.6 | 0.4 | 9,147 |
| 19 | 223 Major Shoulder/Elbow Proc, Or Other Upper Extremity Proc W Cc | 3,120 | 0.9 | 38.5 | 0.2 | 4,264 |
| 20 | 243 Medical Back Problems | 3,117 | 0.9 | 39.4 | 0.9 | 19,202 |
| 21 | 297 Nutritional & Misc Metabolic Disorders Age >17 W/O Cc | 3,055 | 0.9 | 40.3 | 0.7 | 14,608 |
| 22 | 139 Cardiac Arrhythmia & Conduction Disorders W/O Cc | 3,013 | 0.9 | 41.2 | 0.5 | 9,497 |
| 23 | 479 Other Vascular Procedures W/O Cc | 3,008 | 0.9 | 42.1 | 0.5 | 9,824 |
| 24 | 558 Percutaneous Cardiovascular Proc W Drug-Eluting Stent W/O Maj Cv Dx | 2,974 | 0.9 | 43.0 | 0.5 | 10,497 |
| 25 | 104 Cardiac Valve & Oth Major Cardiothoracic Proc W Card Cath | 2,940 | 0.9 | 43.8 | 1.7 | 35,720 |
| 26 | 162 Inguinal & Femoral Hernia Procedures Age >17 W/O Cc | 2,872 | 0.8 | 44.7 | 0.2 | 3,475 |
| 27 | 538 Local Excis. & Remov of Int Fix Dev Except Hip & Femur W/O Cc | 2,860 | 0.8 | 45.5 | 0.3 | 5,489 |
| 28 | 087 Pulmonary Edema & Respiratory Failure | 2,766 | 0.8 | 46.3 | 1.7 | 34,322 |
| 29 | 227 Soft Tissue Procedures W/O Cc | 2,762 | 0.8 | 47.1 | 0.2 | 4,409 |

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(Continued) Table S/25 – A/IOP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admission for acute cases in the North of Italy. Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|---------------------|------------|----------|--------------------|------------------------|------------------|
| | | Number | % cumul. | | | |
| 30 | 089 | 2,508 | 0.7 | 47.9 | 1.4 | 29,131 |
| 31 | 219 | 2,456 | 0.7 | 48.6 | 0.5 | 9,597 |
| 32 | 545 | 2,320 | 0.7 | 49.3 | 0.9 | 19,266 |
| 33 | 014 | 2,206 | 0.6 | 49.9 | 1.0 | 20,772 |
| 34 | 428 | 2,125 | 0.6 | 50.5 | 2.8 | 57,060 |
| 35 | 467 | 2,116 | 0.6 | 51.1 | 0.4 | 8,007 |
| 36 | 012 | 2,073 | 0.6 | 51.8 | 0.9 | 17,983 |
| 37 | 229 | 2,024 | 0.6 | 52.3 | 0.1 | 2,276 |
| 38 | 234 | 1,966 | 0.6 | 52.9 | 0.2 | 3,228 |
| 39 | 088 | 1,903 | 0.6 | 53.5 | 0.8 | 17,070 |
| 40 | 245 | 1,845 | 0.5 | 54.0 | 0.7 | 7.8 |
| 41 | 491 | 1,837 | 0.5 | 54.6 | 0.4 | 8,493 |
| 42 | 365 | 1,815 | 0.5 | 55.1 | 0.0 | 674 |
| 43 | 335 | 1,773 | 0.5 | 55.6 | 0.6 | 12,030 |
| 44 | 371 | 1,734 | 0.5 | 56.1 | 0.4 | 8,044 |
| 45 | 053 | 1,728 | 0.5 | 56.6 | 0.1 | 2,854 |
| 46 | 461 | 1,717 | 0.5 | 57.1 | 0.2 | 5,121 |
| 47 | 008 | 1,717 | 0.5 | 57.6 | 0.1 | 1.7 |
| 48 | 552 | 1,709 | 0.5 | 58.1 | 0.3 | 6,730 |
| 49 | 183 | 1,702 | 0.5 | 58.6 | 0.5 | 9,838 |
| 50 | 055 | 1,650 | 0.5 | 59.1 | 0.1 | 2,171 |
| 51 | 090 | 1,636 | 0.5 | 59.6 | 0.7 | 14,744 |
| 52 | 160 | 1,554 | 0.5 | 60.0 | 0.2 | 3,520 |
| 53 | 149 | 1,543 | 0.5 | 60.5 | 0.6 | 7.8 |
| 54 | 042 | 1,534 | 0.4 | 61.0 | 0.2 | 3,214 |
| 55 | 395 | 1,502 | 0.4 | 61.4 | 0.6 | 13,025 |
| 56 | 523 | 1,477 | 0.4 | 61.8 | 0.7 | 10.3 |
| 57 | 131 | 1,471 | 0.4 | 62.3 | 0.5 | 15,265 |
| 58 | 557 | 1,452 | 0.4 | 62.7 | 0.5 | 9,256 |
| 59 | 532 | 1,426 | 0.4 | 63.1 | 0.2 | 10,735 |
| 60 | 133 | 1,379 | 0.4 | 63.5 | 0.4 | 3,379 |
| | Total (top 60 DRGs) | 216,736 | 63.5 | | | 7,477 |
| | Grand Total (North) | 341,310 | | | | 1,066,930 |
| | | | | | | 2,055,540 |

Source: processing by Ermeneta – data from A/IOP

Table S/26 – AIOP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases in the Center of Italy, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|--|------------|------|--------------------|------------------------|------------------|
| | | Number | % | | | |
| 1 | 544 Major Joint Replacement or Reattachment of Lower Extremity | 10,955 | 17.0 | 20.3 | 6.4 | 69,730 |
| 2 | 225 Foot Procedures | 4,886 | 7.6 | 24.6 | 1.7 | 8,492 |
| 3 | 503 Knee Procedures W/O Pdx Of Infection | 3,610 | 5.6 | 30.2 | 1.3 | 4,560 |
| 4 | 223 Major Shoulder/Elbow Proc, Or Other Upper Extremity Proc W Cc | 2,916 | 4.5 | 34.7 | 1.6 | 4,534 |
| 5 | 498 Spinal Fusion Except Cervical W/O Cc | 1,687 | 2.6 | 37.3 | 3.6 | 6,036 |
| 6 | 127 Heart Failure & Shock | 1,593 | 2.5 | 39.8 | 10.4 | 16,525 |
| 7 | 224 Shoulder, Elbow Or Forearm Proc, Except Major Joint Proc, W/O Cc | 1,554 | 2.4 | 42.2 | 2.4 | 3,701 |
| 8 | 089 Simple Pneumonia & Pleurisy Age >17 W Cc | 991 | 1.5 | 43.7 | 11.0 | 10,869 |
| 9 | 087 Pulmonary Edema & Respiratory Failure | 952 | 1.5 | 45.2 | 9.6 | 9,152 |
| 10 | 494 Laparoscopic Cholecystectomy W/O C.D.E. W/O Cc | 903 | 1.4 | 46.6 | 2.7 | 2,429 |
| 11 | 337 Transurethral Prostatectomy W/O Cc | 866 | 1.3 | 47.9 | 3.7 | 3,175 |
| 12 | 491 Major Joint & Limb Reattachment Procedures Of Upper Extremity | 836 | 1.3 | 49.2 | 1.0 | 3,314 |
| 13 | 234 Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O Cc | 800 | 1.2 | 50.5 | 2.5 | 1,968 |
| 14 | 288 O.R. Procedures For Obesity | 799 | 1.2 | 51.7 | 1.0 | 3,400 |
| 15 | 545 Revision Of Hip Or Knee Replacement | 793 | 1.2 | 53.0 | 2.0 | 6,888 |
| 16 | 311 Transurethral Procedures W/O Cc | 757 | 1.2 | 54.1 | 0.7 | 2,397 |
| 17 | 359 Uterine & Adnexa Proc For Non-Malignancy W/O Cc | 717 | 1.1 | 55.2 | 0.7 | 2,406 |
| 18 | 219 Lower Extrem & Humerus Proc Except Hip, Foot, Femur Age >17 W/O Cc | 713 | 1.1 | 56.3 | 1.1 | 3,767 |
| 19 | 055 Miscellaneous Ear, Nose, Mouth & Throat Procedures | 617 | 1.0 | 57.3 | 0.2 | 731 |
| 20 | 227 Soft Tissue Procedures W/O Cc | 613 | 1.0 | 58.3 | 0.4 | 1,256 |
| 21 | 247 Signs & Symptoms Of Musculoskeletal System & Conn Tissue | 609 | 0.9 | 59.2 | 0.7 | 2,435 |
| 22 | 538 Local Excis & Remove of Int Fix Dev Except Hip & Femur W/O Cc | 600 | 0.9 | 60.1 | 0.4 | 1,286 |
| 23 | 500 Back & Neck Procedures Except Spinal Fusion W/O Cc | 517 | 0.8 | 60.9 | 0.4 | 1,385 |
| 24 | 183 Esophagitis, Gastroent & Misc Digest Disorders Age >17 W/O Cc | 490 | 0.8 | 61.7 | 0.7 | 2,550 |
| 25 | 297 Nutritional & Misc Metabolic Disorders Age >17 W/O Cc | 451 | 0.7 | 62.4 | 0.7 | 2,398 |
| 26 | 088 Chronic Obstructive Pulmonary Disease | 442 | 0.7 | 63.1 | 1.2 | 3,968 |
| 27 | 524 Transient Ischemia | 441 | 0.7 | 63.8 | 1.1 | 3,709 |
| 28 | 316 Renal failure | 420 | 0.7 | 64.4 | 1.2 | 4,043 |
| 29 | 211 Hip & Femur Procedures Except Major Joint Age >17 W/O Cc | 401 | 0.6 | 65.0 | 0.8 | 2,601 |
| 30 | 162 Inguinal & Femoral Hernia Procedures Age >17 W/O Cc | 395 | 0.6 | 65.6 | 0.1 | 496 |

(Continued) Table S/26 – AIOIP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases in the Center of Italy, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|--|------------|----------|--------------------|------------------------|------------------|
| | | Number | % annul. | | | |
| 31 | 158 Anal & Stomal Procedures W/O Cc | 376 | 0.6 | 66.2 | 2.7 | 1,008 |
| 32 | 290 Thyroid Procedures | 354 | 0.5 | 66.8 | 2.9 | 1,038 |
| 33 | 008 Periph & Cranial Nerve & Other Nerv Syst Proc W/O Cc | 344 | 0.5 | 67.3 | 1.2 | 428 |
| 34 | 090 Simple Pneumonia & Pleurisy Age >17 W/O Cc | 342 | 0.5 | 67.8 | 1.0 | 3,332 |
| 35 | 053 Sinus & Mastoid Procedures Age >17 | 335 | 0.5 | 68.4 | 0.2 | 646 |
| 36 | 467 Other Factors Influencing Health Status | 333 | 0.5 | 68.9 | 0.1 | 498 |
| 37 | 395 Red Blood Cell Disorders Age >17 | 332 | 0.5 | 69.4 | 1.0 | 3,433 |
| 38 | 296 Nutritional & Misc Metabolic Disorders Age >17 W Cc | 329 | 0.5 | 69.9 | 0.8 | 2,659 |
| 39 | 014 Intracranial Hemorrhage Or Cerebral Infarction | 323 | 0.5 | 70.4 | 1.0 | 3,564 |
| 40 | 119 Vein Ligation & Stripping | 309 | 0.5 | 70.9 | 0.1 | 342 |
| 41 | 149 Major Small & Large Bowel Procedures W/O Cc | 300 | 0.5 | 71.4 | 0.7 | 2,433 |
| 42 | 320 Kidney & Urinary Tract Infections Age >17 W Cc | 285 | 0.4 | 72.3 | 0.6 | 88 |
| 43 | 082 Respiratory Neoplasms | 267 | 0.4 | 72.7 | 0.3 | 2,639 |
| 44 | 189 Other Digestive System Diagnoses Age >17 W/O Cc | 264 | 0.4 | 73.1 | 0.2 | 1,920 |
| 45 | 160 Hernia Procedures Except Inguinal & Femoral Age >17 W/O Cc | 255 | 0.4 | 73.5 | 0.4 | 863 |
| 46 | 217 Wound debridement and skin graft, exc. hand, for musculoskeletal and connective tissue disease | 255 | 0.4 | 73.9 | 0.5 | 1,220 |
| 47 | 208 Disorders Of The Biliary Tract W/O Cc | 243 | 0.4 | 74.3 | 1.0 | 1,607 |
| 48 | 522 Ale/Drug Abuse Or Depend W Rehabilitation Therapy W/O Cc | 241 | 0.4 | 74.7 | 0.3 | 3,385 |
| 49 | 564 Headaches Age >17 | 241 | 0.4 | 75.0 | 0.2 | 1,190 |
| 50 | 410 Chemotherapy W/O Acute Leukemia As Secondary Diagnosis | 240 | 0.4 | 75.4 | 1.0 | 738 |
| 51 | 210 Hip & Femur Procedures Except Major Joint Age >17 W Cc | 239 | 0.4 | 75.8 | 0.2 | 3,342 |
| 52 | 532 Spinal Procedures W/O Cc | 228 | 0.4 | 76.1 | 0.1 | 622 |
| 53 | 313 Urethral Procedures, Age >17 W/O Cc | 228 | 0.4 | 76.5 | 0.1 | 492 |
| 54 | 229 Hand Or Wrist Proc, Except Major Joint Proc, W/O Cc | 223 | 0.3 | 76.8 | 1.3 | 357 |
| 55 | 430 Psychoses | 216 | 0.3 | 77.2 | 0.2 | 776 |
| 56 | 305 Kidney And Ureter Procedures For Non-Neoplasm Without Cc | 211 | 0.3 | 77.5 | 0.1 | 4,330 |
| 57 | 232 Arthroscopy | 211 | 0.3 | 77.8 | 0.4 | 303 |
| 58 | 139 Cardiac Arrhythmia & Conduction Disorders W/O Cc | 200 | 0.3 | 78.2 | 0.5 | 1,304 |
| 59 | 335 Major Male Pelvic Procedures W/O Cc | 200 | 0.3 | 78.5 | 0.2 | 1,583 |
| 60 | 309 Minor Bladder Procedures W/O Cc | 200 | 0.3 | 78.5 | 0.2 | 590 |
| | Total (top 60 DRGs) | 50,589 | 78.5 | | | 237,497 |
| | Grand Total (Center) | 64,470 | | | | 343,797 |

Source: processing by Ermeneta – data from AIOIP

Table S27 – AIOP Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases in the South of Italy, Year 2017

| Rank | DRG | Discharges | | % In-hospital day | Average length of stay | In-hospital days |
|------|-----|------------|---------|-------------------|------------------------|------------------|
| | | Number | % cumm. | | | |
| 1 | 039 | 18,879 | 6.7 | 4.3 | 4.9 | 91,778 |
| 2 | 371 | 13,262 | 4.7 | 6.7 | 4.0 | 53,110 |
| 3 | 544 | 10,572 | 3.8 | 15.2 | 3.3 | 70,712 |
| 4 | 373 | 8,566 | 3.0 | 18.2 | 1.4 | 30,403 |
| 5 | 125 | 7,819 | 2.8 | 21.0 | 0.9 | 19,443 |
| 6 | 503 | 6,991 | 2.5 | 23.5 | 1.0 | 20,400 |
| 7 | 359 | 6,791 | 2.4 | 25.9 | 1.1 | 23,573 |
| 8 | 410 | 6,043 | 2.2 | 28.1 | 26.6 | 570,071 |
| 9 | 162 | 5,483 | 2.0 | 30.0 | 0.9 | 18,542 |
| 10 | 494 | 5,255 | 1.9 | 31.9 | 0.7 | 15,808 |
| 11 | 127 | 5,140 | 1.8 | 33.7 | 1.8 | 39,100 |
| 12 | 183 | 3,999 | 1.4 | 35.2 | 0.8 | 17,131 |
| 13 | 558 | 3,725 | 1.3 | 36.5 | 0.5 | 11,368 |
| 14 | 430 | 3,694 | 1.3 | 37.8 | 7.7 | 165,513 |
| 15 | 158 | 3,027 | 1.1 | 38.9 | 0.4 | 8,739 |
| 16 | 087 | 2,636 | 0.9 | 39.8 | 1.0 | 20,402 |
| 17 | 225 | 2,524 | 0.9 | 40.7 | 0.2 | 4,948 |
| 18 | 311 | 2,318 | 0.8 | 41.5 | 0.4 | 8,334 |
| 19 | 467 | 2,314 | 0.8 | 42.4 | 1.8 | 38,464 |
| 20 | 143 | 2,299 | 0.8 | 43.2 | 0.2 | 4,340 |
| 21 | 012 | 2,222 | 0.8 | 44.0 | 1.1 | 24,283 |
| 22 | 006 | 2,174 | 0.8 | 44.7 | 0.1 | 3,169 |
| 23 | 518 | 2,147 | 0.8 | 45.5 | 0.3 | 5,887 |
| 24 | 500 | 2,122 | 0.8 | 46.3 | 0.4 | 8,213 |
| 25 | 479 | 2,069 | 0.7 | 47.0 | 0.3 | 6,749 |
| 26 | 017 | 2,031 | 0.7 | 47.7 | 1.4 | 29,517 |
| 27 | 498 | 1,990 | 0.7 | 48.4 | 0.4 | 9,397 |
| 28 | 297 | 1,921 | 0.7 | 49.1 | 0.4 | 8,720 |
| 29 | 316 | 1,907 | 0.7 | 49.8 | 0.6 | 11,980 |

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(Continued) Table S/27 – AIOF Private hospitals (accredited healthcare facilities): top 60 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for acute cases in the South of Italy, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|----------------------------|----------------|-------------|--------------------|------------------------|------------------|
| | | Number | % cumm. | | | |
| 30 | 119 | 1,818 | 0.6 | 0.1 | 1.5 | 2,646 |
| 31 | 270 | 1,718 | 0.6 | 0.2 | 2.2 | 3,863 |
| 32 | 104 | 1,696 | 0.6 | 1.1 | 13.4 | 22,687 |
| 33 | 223 | 1,682 | 0.6 | 52.3 | 1.8 | 3,015 |
| 34 | 139 | 1,679 | 0.6 | 52.9 | 2.8 | 4,689 |
| 35 | 189 | 1,668 | 0.6 | 53.4 | 0.4 | 9,141 |
| 36 | 288 | 1,660 | 0.6 | 54.0 | 4.7 | 7,873 |
| 37 | 016 | 1,654 | 0.6 | 54.6 | 0.7 | 15,394 |
| 38 | 281 | 1,642 | 0.6 | 55.2 | 0.0 | 113 |
| 39 | 339 | 1,592 | 0.6 | 55.8 | 2.2 | 3,832 |
| 40 | 160 | 1,573 | 0.6 | 56.3 | 0.2 | 4,849 |
| 41 | 381 | 1,524 | 0.5 | 56.9 | 1.1 | 1,841 |
| 42 | 337 | 1,465 | 0.5 | 57.4 | 0.3 | 7,464 |
| 43 | 552 | 1,452 | 0.5 | 57.9 | 0.3 | 5,436 |
| 44 | 364 | 1,447 | 0.5 | 58.4 | 0.1 | 1,642 |
| 45 | 315 | 1,442 | 0.5 | 58.9 | 0.2 | 4,124 |
| 46 | 055 | 1,372 | 0.5 | 59.4 | 0.1 | 2,205 |
| 47 | 120 | 1,342 | 0.5 | 59.9 | 0.2 | 5,121 |
| 48 | 323 | 1,337 | 0.5 | 60.4 | 1.4 | 30,299 |
| 49 | 227 | 1,320 | 0.5 | 60.9 | 0.1 | 2,456 |
| 50 | 229 | 1,301 | 0.5 | 61.3 | 0.1 | 1,912 |
| 51 | 379 | 1,296 | 0.5 | 61.8 | 0.3 | 5,537 |
| 52 | 290 | 1,264 | 0.4 | 62.2 | 0.2 | 3,945 |
| 53 | 224 | 1,246 | 0.4 | 62.7 | 0.1 | 2,854 |
| 54 | 538 | 1,231 | 0.4 | 63.1 | 0.1 | 3,019 |
| 55 | 243 | 1,175 | 0.4 | 63.5 | 0.2 | 4,470 |
| 56 | 088 | 1,163 | 0.4 | 63.9 | 0.4 | 8,687 |
| 57 | 342 | 1,144 | 0.4 | 64.4 | 0.2 | 3,225 |
| 58 | 524 | 1,092 | 0.4 | 64.7 | 0.3 | 7,096 |
| 59 | 145 | 1,073 | 0.4 | 65.1 | 0.2 | 4,655 |
| 60 | 557 | 1,065 | 0.4 | 65.5 | 0.4 | 7,717 |
| | <i>Total (top 60 DRGs)</i> | <i>184,053</i> | <i>65.5</i> | | | <i>1,531,901</i> |
| | <i>Grand Total (South)</i> | <i>280,995</i> | | | <i>8.3</i> | <i>2,145,780</i> |

Source: processing by Ermeneta – data from AIOF

Table S/28 – Total number of public and private healthcare facilities: top 30 DRGs according to the number of discharges (DRG Version 24.0) – Day hospital admissions for acute cases. Year 2016

| Rank | DRG | Discharges | | % Accesses | | Average number of accesses |
|---------------------|-----|------------|-------|------------|------------|----------------------------|
| | | Number | % | % cumulat. | % Accesses | |
| 1 | 410 | 125,493 | 6.4 | 6.4 | 24.7 | 10.5 |
| 2 | 381 | 89,402 | 4.6 | 11.0 | 2.2 | 1.3 |
| 3 | 359 | 86,516 | 4.4 | 15.4 | 2.1 | 1.3 |
| 4 | 162 | 68,390 | 3.5 | 18.9 | 1.9 | 1.5 |
| 5 | 266 | 52,193 | 2.7 | 21.6 | 1.5 | 1.6 |
| 6 | 467 | 48,663 | 2.5 | 24.1 | 1.9 | 2.0 |
| 7 | 503 | 42,159 | 2.2 | 26.3 | 1.1 | 1.4 |
| 8 | 039 | 40,229 | 2.1 | 28.3 | 1.5 | 2.0 |
| 9 | 364 | 38,078 | 2.0 | 30.3 | 1.0 | 1.4 |
| 10 | 225 | 32,585 | 1.7 | 32.0 | 0.9 | 1.5 |
| 11 | 229 | 32,150 | 1.6 | 33.6 | 0.8 | 1.4 |
| 12 | 538 | 30,673 | 1.6 | 35.2 | 0.8 | 1.4 |
| 13 | 055 | 30,237 | 1.5 | 36.7 | 0.9 | 1.5 |
| 14 | 042 | 28,853 | 1.5 | 38.2 | 0.9 | 1.7 |
| 15 | 270 | 28,312 | 1.5 | 39.7 | 0.8 | 1.5 |
| 16 | 119 | 28,186 | 1.4 | 41.1 | 0.8 | 1.5 |
| 17 | 169 | 24,173 | 1.2 | 42.3 | 0.7 | 1.5 |
| 18 | 158 | 23,490 | 1.2 | 43.5 | 0.7 | 1.6 |
| 19 | 395 | 19,446 | 1.0 | 44.5 | 3.1 | 8.6 |
| 20 | 301 | 19,408 | 1.0 | 45.5 | 0.7 | 2.0 |
| 21 | 466 | 19,030 | 1.0 | 46.5 | 0.9 | 2.5 |
| 22 | 036 | 18,728 | 1.0 | 47.5 | 0.7 | 1.9 |
| 23 | 139 | 18,343 | 0.9 | 48.4 | 0.5 | 1.5 |
| 24 | 339 | 17,532 | 0.9 | 49.3 | 0.5 | 1.5 |
| 25 | 227 | 17,487 | 0.9 | 50.2 | 0.5 | 1.4 |
| 26 | 267 | 16,093 | 0.8 | 51.0 | 0.5 | 1.7 |
| 27 | 404 | 15,446 | 0.8 | 51.8 | 1.7 | 5.9 |
| 28 | 365 | 15,189 | 0.8 | 52.6 | 0.3 | 1.0 |
| 29 | 040 | 15,104 | 0.8 | 53.4 | 0.5 | 1.6 |
| 30 | 189 | 14,561 | 0.7 | 54.1 | 0.5 | 1.7 |
| Total (top 30 DRGs) | | 1,056,149 | 54.1 | 54.1 | 55.4 | |
| Grand Total | | 1,951,876 | 100.0 | | 100.0 | 2.7 |

Source: data from the Ministry of Health – SDO 2016

Table S/29 – Total number of public and private healthcare facilities: top 30 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for rehabilitation treatment, Year 2016

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay |
|---------------------|--|------------|----------|--------------------|------------------------|
| | | Number | % cumul. | | |
| 1 | 256 Other Musculoskeletal System & Connective Tissue Diagnoses | 76,429 | 24.0 | 16.6 | 17.9 |
| 2 | 012 Degenerative Nervous System Disorders | 35,971 | 11.3 | 35.2 | 40.6 |
| 3 | 249 Aftercare, Musculoskeletal System & Connective Tissue | 25,535 | 8.0 | 43.2 | 25.9 |
| 4 | 145 Other Circulatory System Diagnoses W/O Cc | 17,340 | 5.4 | 48.7 | 16.8 |
| 5 | 144 Other Circulatory System Diagnoses W Cc | 14,416 | 4.5 | 53.2 | 19.1 |
| 6 | 462 Rehabilitation | 12,768 | 4.0 | 57.2 | 22.4 |
| 7 | 245 Bone Diseases & Specific Arthropathies W/O Cc | 10,977 | 3.4 | 60.6 | 16.8 |
| 8 | 009 Spinal Disorders & Injuries | 9,790 | 3.1 | 63.7 | 51.1 |
| 9 | 087 Pulmonary Edema & Respiratory Failure | 8,587 | 2.7 | 66.4 | 23.4 |
| 10 | 247 Signs & Symptoms Of Musculoskeletal System & Conn Tissue | 7,767 | 2.4 | 68.8 | 23.9 |
| 11 | 430 Psychoses | 7,719 | 2.4 | 71.2 | 28.1 |
| 12 | 236 Fractures Of Hip & Pelvis | 7,499 | 2.3 | 73.6 | 30.5 |
| 13 | 127 Heart Failure & Shock | 7,085 | 2.2 | 75.8 | 19.6 |
| 14 | 035 Other Disorders Of Nervous System W/O Cc | 6,359 | 2.0 | 77.8 | 35.6 |
| 15 | 088 Chronic Obstructive Pulmonary Disease | 5,348 | 1.7 | 79.5 | 22.6 |
| 16 | 014 Intracranial Hemorrhage Or Cerebral Infarction | 4,659 | 1.5 | 80.9 | 44.2 |
| 17 | 034 Other Disorders Of Nervous System W Cc | 4,590 | 1.4 | 82.4 | 38.7 |
| 18 | 248 Tendonitis, Myositis & Bursitis | 3,788 | 1.2 | 83.6 | 27.0 |
| 19 | 243 Medical Back Problems | 3,141 | 1.0 | 84.5 | 25.2 |
| 20 | 544 Major Joint Replacement or Reattachment of Lower Extremity | 2,898 | 0.9 | 85.4 | 17.9 |
| 21 | 467 Other Factors Influencing Health Status | 2,757 | 0.9 | 86.3 | 21.7 |
| 22 | 428 Disorders Of Personality & Impulse Control | 2,508 | 0.8 | 87.1 | 34.4 |
| 23 | 013 Multiple Sclerosis & Cerebellar Ataxia | 2,101 | 0.7 | 87.8 | 32.8 |
| 24 | 023 Nontraumatic Stupor & Coma | 1,785 | 0.6 | 88.3 | 92.8 |
| 25 | 133 Atherosclerosis W/O Cc | 1,766 | 0.6 | 88.9 | 17.2 |
| 26 | 522 Alr/Drug Abuse Or Depend W Rehabilitation Therapy W/O Cc | 1,766 | 0.6 | 89.4 | 26.2 |
| 27 | 244 Bone Diseases & Specific Arthropathies W Cc | 1,684 | 0.5 | 89.9 | 20.5 |
| 28 | 019 Cranial & Peripheral Nerve Disorders W/O Cc | 1,402 | 0.4 | 90.4 | 30.1 |
| 29 | 029 Organic Disturbances & Mental Retardation | 1,345 | 0.4 | 90.8 | 22.2 |
| 30 | 073 Other Ear, Nose, Mouth & Throat Diagnoses Age >17 | 1,275 | 0.4 | 91.2 | 13.7 |
| Total (top 30 DRGs) | | 291,055 | 91.2 | 91.5 | |
| Grand Total | | 319,173 | 100.0 | 100.0 | 25.8 |

Source: data from the Ministry of Health – SDO 2016

Table S/30 – AIOP Private hospitals (accredited healthcare facilities): top 30 DRGs according to the number of discharges (DRG Version 24.0) – Inpatient admissions for rehabilitation treatment, Year 2017

| Rank | DRG | Discharges | | % In-hospital days | Average length of stay | In-hospital days |
|------|--|------------|------|--------------------|------------------------|------------------|
| | | Number | % | | | |
| 1 | 256 Other Musculoskeletal System & Connective Tissue Diagnoses | 35,156 | 34.3 | 24.0 | 16.8 | 591,474 |
| 2 | 249 Aftercare, Musculoskeletal System & Connective Tissue | 9,040 | 8.8 | 9.6 | 26.1 | 235,556 |
| 3 | 012 Degenerative Nervous System Disorders | 8,650 | 8.4 | 51.5 | 14.1 | 346,354 |
| 4 | 145 Other Circulatory System Diagnoses W/O Cc | 6,808 | 6.6 | 58.1 | 4.7 | 116,856 |
| 5 | 430 Psychoses | 4,422 | 4.3 | 62.4 | 5.2 | 128,214 |
| 6 | 245 Bone Diseases & Specific Arthropathies W/O Cc | 3,934 | 3.8 | 66.3 | 2.7 | 65,835 |
| 7 | 462 Rehabilitation | 3,728 | 3.6 | 69.9 | 3.2 | 79,538 |
| 8 | 247 Signs & Symptoms Of Musculoskeletal System & Conn Tissue | 3,207 | 3.1 | 73.0 | 3.5 | 86,097 |
| 9 | 144 Other Circulatory System Diagnoses W Cc | 3,058 | 3.0 | 76.0 | 2.5 | 61,856 |
| 10 | 236 Fractures Of Hip & Pelvis | 2,288 | 2.2 | 78.2 | 3.0 | 73,974 |
| 11 | 035 Other Disorders Of Nervous System W/O Cc | 1,725 | 1.7 | 79.9 | 2.4 | 58,991 |
| 12 | 088 Chronic Obstructive Pulmonary Disease | 1,447 | 1.4 | 81.3 | 1.3 | 32,434 |
| 13 | 087 Pulmonary Edema & Respiratory Failure | 1,253 | 1.2 | 82.5 | 1.2 | 29,660 |
| 14 | 009 Spinal Disorders & Injuries | 1,242 | 1.2 | 83.8 | 2.4 | 58,798 |
| 15 | 428 Disorders Of Personality & Impulse Control | 1,207 | 1.2 | 84.9 | 1.5 | 36,370 |
| 16 | 248 Tendinitis, Myositis & Bursitis | 1,110 | 1.1 | 86.0 | 1.2 | 30,542 |
| 17 | 127 Heart Failure & Shock | 1,055 | 1.0 | 87.0 | 0.9 | 21,022 |
| 18 | 014 Intracranial Hemorrhage Or Cerebral Infarction | 960 | 0.9 | 88.0 | 1.8 | 45,213 |
| 19 | 522 Ale/Drug Abuse Or Depend W Rehabilitation Therapy W/O Cc | 948 | 0.9 | 88.9 | 0.9 | 23,194 |
| 20 | 034 Other Disorders Of Nervous System W Cc | 946 | 0.9 | 89.8 | 1.5 | 36,538 |
| 21 | 243 Medical Back Problems | 600 | 0.6 | 90.4 | 0.6 | 14,978 |
| 22 | 244 Bone Diseases & Specific Arthropathies W Cc | 600 | 0.6 | 91.0 | 0.5 | 12,452 |
| 23 | 019 Cranial & Peripheral Nerve Disorders W/O Cc | 588 | 0.6 | 91.6 | 0.7 | 17,026 |
| 24 | 133 Atherosclerosis W/O Cc | 541 | 0.5 | 92.1 | 0.4 | 9,450 |
| 25 | 297 Nutritional & Misc Metabolic Disorders Age >17 W/O Cc | 517 | 0.5 | 92.6 | 0.5 | 12,006 |
| 26 | 467 Other Factors Influencing Health Status | 492 | 0.5 | 93.0 | 0.4 | 10,327 |
| 27 | 523 Ale/Drug Abuse Or Depend W/O Rehabilitation Therapy W/O Cc | 485 | 0.5 | 93.6 | 0.5 | 12,624 |
| 28 | 013 Multiple Sclerosis & Cerebellar Ataxia | 441 | 0.4 | 94.0 | 0.5 | 13,378 |
| 29 | 023 Nontraumatic Stupor & Coma | 433 | 0.4 | 94.4 | 1.6 | 39,565 |
| 30 | 136 Cardiac Congenital & Valvular Disorders Age >17 W/O Cc | 430 | 0.4 | 94.8 | 0.3 | 6,911 |
| | Total (top 30 DRGs) | 97,311 | 94.8 | | 23.7 | 2,307,233 |
| | Grand Total | 102,625 | | | 24.0 | 2,460,973 |

Source: processing by Ermeneta – data from AIOP

Table S/31 – Total number of public and private facilities: description of activities according to the Major Diagnostic Categories (MDC) – Inpatient admissions for acute cases, Year 2016

| MDC | Number of cases | % | In-hospital days | Average length of stay |
|---|------------------|--------------|-------------------|------------------------|
| 01 – Diseases and Disorders of the Nervous System | 432,980 | 6.9 | 3,524,885 | 8.1 |
| 02 – Diseases and Disorders of the Eye | 71,046 | 1.1 | 206,818 | 2.9 |
| 03 – Diseases and Disorders of The Ear, Nose, Mouth and Throat | 208,407 | 3.3 | 664,341 | 3.2 |
| 04 – Diseases and Disorders of the Respiratory System | 568,882 | 9.0 | 5,425,052 | 9.5 |
| 05 – Diseases and Disorders of the Circulatory System | 919,182 | 14.6 | 6,511,875 | 7.1 |
| 06 – Diseases and Disorders of the Digestive System | 572,032 | 9.1 | 4,035,642 | 7.1 |
| 07 – Diseases and Disorders of the Hepatobiliary System and Pancreas | 297,023 | 4.7 | 2,356,010 | 7.9 |
| 08 – Diseases and Disorders of the Musculoskeletal System and Connective Tissue | 806,091 | 12.8 | 4,939,361 | 6.1 |
| 09 – Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | 181,450 | 2.9 | 761,948 | 4.2 |
| 10 – Endocrine, Nutritional and Metabolic Diseases and Disorders | 160,499 | 2.6 | 878,046 | 5.5 |
| 11 – Diseases and Disorders of the Kidney and Urinary Tract | 362,242 | 5.8 | 2,429,192 | 6.7 |
| 12 – Diseases and Disorders of the Male Reproductive System | 108,893 | 1.7 | 505,014 | 4.6 |
| 13 – Diseases and Disorders of the Female Reproductive System | 183,430 | 2.9 | 741,949 | 4.0 |
| 14 – Pregnancy, Childbirth and the Puerperium | 594,124 | 9.4 | 2,267,977 | 3.8 |
| 15 – Newborns and other Neonates with Conditions Originating in Perinatal Period | 116,555 | 1.9 | 953,379 | 8.2 |
| 16 – Diseases and Disorders of the Blood, Blood Forming Organs, Immunological disorders | 72,086 | 1.1 | 575,920 | 8.0 |
| 17 – Myeloproliferative Diseases & Disorders, Poorly Differentiated Neoplasms | 149,287 | 2.4 | 1,140,569 | 7.6 |
| 18 – Infectious and Parasitic Diseases, Systemic or Unspecified Sites | 133,128 | 2.1 | 1,452,667 | 10.9 |
| 19 – Mental Diseases and Disorders | 138,880 | 2.2 | 1,630,093 | 11.7 |
| 20 – Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | 13,120 | 0.2 | 96,508 | 7.4 |
| 21 – Injuries, Poisonings and Toxic Effects of Drugs | 50,923 | 0.8 | 301,662 | 5.9 |
| 22 – Burns | 3,872 | 0.1 | 51,663 | 13.3 |
| 23 – Factors Influencing Health Status and Other Contacts with Health Services | 89,251 | 1.4 | 396,371 | 4.4 |
| 24 – Multiple Significant Trauma | 8,959 | 0.1 | 127,420 | 14.2 |
| 25 – Human Immunodeficiency Virus Infections | 6,071 | 0.1 | 101,570 | 16.7 |
| Other DRGs | 12,911 | 0.2 | 130,041 | 10.1 |
| Pre MDC | 27,247 | 0.4 | 962,745 | 35.3 |
| Grand Total | 6,288,571 | 100.0 | 43,168,718 | 6.9 |

Source: data from the Ministry of Health – SDO 2016

Table S/32 – Total number of public and private facilities: description of activities classified according to the Major Diagnostic Categories (MDC) – Day hospital admissions for acute cases, Year 2016

| MDC | Number of cases | % | Accesses | Average number of accesses |
|---|------------------|--------------|------------------|----------------------------|
| 01 – Diseases and Disorders of the Nervous System | 73,057 | 3.7 | 172,264 | 2.4 |
| 02 – Diseases and Disorders of the Eye | 124,877 | 6.4 | 230,815 | 1.8 |
| 03 – Diseases and Disorders of The Ear, Nose, Mouth and Throat | 129,044 | 6.6 | 223,692 | 1.7 |
| 04 – Diseases and Disorders of the Respiratory System | 33,087 | 1.7 | 93,593 | 2.9 |
| 05 – Diseases and Disorders of the Circulatory System | 111,594 | 5.7 | 227,291 | 2.0 |
| 06 – Diseases and Disorders of the Digestive System | 165,293 | 8.5 | 290,349 | 1.8 |
| 07 – Diseases and Disorders of the Hepatobiliary System and Pancreas | 30,525 | 1.6 | 114,620 | 3.8 |
| 08 – Diseases and Disorders of the Musculoskeletal System and Connective Tissue | 248,788 | 12.7 | 489,072 | 2.0 |
| 09 – Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | 157,326 | 8.1 | 289,781 | 1.8 |
| 10 – Endocrine, Nutritional and Metabolic Diseases and Disorders | 58,595 | 3.0 | 135,888 | 2.3 |
| 11 – Diseases and Disorders of the Kidney and Urinary Tract | 77,574 | 4.0 | 191,034 | 2.5 |
| 12 – Diseases and Disorders of the Male Reproductive System | 74,592 | 3.8 | 114,646 | 1.5 |
| 13 – Diseases and Disorders of the Female Reproductive System | 171,323 | 8.8 | 227,426 | 1.3 |
| 14 – Pregnancy, Childbirth and the Puerperium | 108,496 | 5.6 | 156,587 | 1.4 |
| 15 – Newborns and other Neonates with Conditions Originating in Perinatal Period | 1,954 | 0.1 | 4,646 | 2.4 |
| 16 – Diseases and Disorders of the Blood, Blood Forming Organs, Immunological disorders | 41,095 | 2.1 | 264,071 | 6.4 |
| 17 – Myeloproliferative Diseases & Disorders, Poorly Differentiated Neoplasms | 184,562 | 9.5 | 1,638,326 | 8.9 |
| 18 – Infectious and Parasitic Diseases, Systemic or Unspecified Sites | 6,748 | 0.3 | 24,479 | 3.6 |
| 19 – Mental Diseases and Disorders | 38,177 | 2.0 | 184,054 | 4.8 |
| 20 – Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | 946 | 0.0 | 9,001 | 9.5 |
| 21 – Injuries, Poisonings and Toxic Effects of Drugs | 9,923 | 0.5 | 27,566 | 2.8 |
| 22 – Burns | 334 | 0.0 | 1,184 | 3.5 |
| 23 – Factors Influencing Health Status and Other Contacts with Health Services | 92,580 | 4.7 | 194,052 | 2.1 |
| 24 – Multiple Significant Trauma | 3 | 0.0 | 3 | 1.0 |
| 25 – Human Immunodeficiency Virus Infections | 8,532 | 0.4 | 36,336 | 4.3 |
| Other DRGs | 2,798 | 0.1 | 6,050 | 2.2 |
| Pre MDC | 53 | 0.0 | 225 | 4.2 |
| Grand Total | 1,951,876 | 100.0 | 5,349,051 | 2.7 |

Source: data from the Ministry of Health – SDO 2016

Table S/33 – Total number of public and private facilities: description of activities classified according to the Major Diagnostic Categories (MDC) – Inpatient admissions for rehabilitation. Year 2016

| MDC | Number of cases | % | In-hospital days | Average length of stay |
|---|-----------------|--------------|------------------|------------------------|
| 01 – Diseases and Disorders of the Nervous System | 73,237 | 23.0 | 3,067,991 | 41.9 |
| 02 – Diseases and Disorders of the Eye | 96 | 0.0 | 942 | 9.8 |
| 03 – Diseases and Disorders of The Ear, Nose, Mouth and Throat | 1,327 | 0.4 | 17,889 | 13.5 |
| 04 – Diseases and Disorders of the Respiratory System | 17,261 | 5.4 | 387,005 | 22.4 |
| 05 – Diseases and Disorders of the Circulatory System | 47,337 | 14.8 | 865,627 | 18.3 |
| 06 – Diseases and Disorders of the Digestive System | 237 | 0.1 | 4,892 | 20.6 |
| 07 – Diseases and Disorders of the Hepatobiliary System and Pancreas | 88 | 0.0 | 1,619 | 18.4 |
| 08 – Diseases and Disorders of the Musculoskeletal System and Connective Tissue | 143,710 | 45.0 | 2,990,077 | 20.8 |
| 09 – Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | 181 | 0.1 | 5,734 | 31.7 |
| 10 – Endocrine, Nutritional and Metabolic Diseases and Disorders | 1,808 | 0.6 | 43,174 | 23.9 |
| 11 – Diseases and Disorders of the Kidney and Urinary Tract | 483 | 0.2 | 5,954 | 12.3 |
| 12 – Diseases and Disorders of the Male Reproductive System | 9 | 0.0 | 279 | 31.0 |
| 13 – Diseases and Disorders of the Female Reproductive System | 11 | 0.0 | 132 | 12.0 |
| 14 – Pregnancy, Childbirth and the Puerperium | 0 | 0.0 | 0 | 0.0 |
| 15 – Newborns and other Neonates with Conditions Originating in Perinatal Period | 9 | 0.0 | 199 | 22.1 |
| 16 – Diseases and Disorders of the Blood, Blood Forming Organs, Immunological disorders | 74 | 0.0 | 1,888 | 25.5 |
| 17 – Myeloproliferative Diseases & Disorders, Poorly Differentiated Neoplasms | 116 | 0.0 | 3,112 | 26.8 |
| 18 – Infectious and Parasitic Diseases, Systemic or Unspecified Sites | 158 | 0.0 | 4,204 | 26.6 |
| 19 – Mental Diseases and Disorders | 13,360 | 4.2 | 380,670 | 28.5 |
| 20 – Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | 2,810 | 0.9 | 69,267 | 24.7 |
| 21 – Injuries, Poisonings and Toxic Effects of Drugs | 264 | 0.1 | 5,529 | 20.9 |
| 22 – Burns | 9 | 0.0 | 270 | 30.0 |
| 23 – Factors Influencing Health Status and Other Contacts with Health Services | 16,033 | 5.0 | 356,090 | 22.2 |
| 24 – Multiple Significant Trauma | 170 | 0.1 | 7,470 | 43.9 |
| 25 – Human Immunodeficiency Virus Infections | 2 | 0.0 | 79 | 39.5 |
| Other DRGs | 129 | 0.0 | 6,382 | 49.5 |
| Pre MDC | 194 | 0.1 | 17,550 | 90.5 |
| Grand Total | 319,113 | 100.0 | 8,244,025 | 25.8 |

Source: data from the Ministry of Health – SDO 2016

Table S/34 – Total number of public and private facilities: description of activities classified according to the Major Diagnostic Categories (MDC) – Day hospital admissions for rehabilitation. Year 2016

| MDC | Number of cases | % | Accesses | Average number of accesses |
|---|-----------------|--------------|----------------|----------------------------|
| 01 – Diseases and Disorders of the Nervous System | 12,020 | 37.6 | 175,667 | 14.6 |
| 02 – Diseases and Disorders of the Eye | 24 | 0.1 | 160 | 6.7 |
| 03 – Diseases and Disorders of The Ear, Nose, Mouth and Throat | 31 | 0.1 | 177 | 5.7 |
| 04 – Diseases and Disorders of the Respiratory System | 1,221 | 3.8 | 13,246 | 10.8 |
| 05 – Diseases and Disorders of the Circulatory System | 3,765 | 11.8 | 47,034 | 12.5 |
| 06 – Diseases and Disorders of the Digestive System | 61 | 0.2 | 400 | 6.6 |
| 07 – Diseases and Disorders of the Hepatobiliary System and Pancreas | 2 | 0.0 | 28 | 14.0 |
| 08 – Diseases and Disorders of the Musculoskeletal System and Connective Tissue | 6,348 | 19.9 | 120,924 | 19.0 |
| 09 – Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | 35 | 0.1 | 572 | 16.3 |
| 10 – Endocrine, Nutritional and Metabolic Diseases and Disorders | 52 | 0.2 | 755 | 14.5 |
| 11 – Diseases and Disorders of the Kidney and Urinary Tract | 195 | 0.6 | 1,786 | 9.2 |
| 12 – Diseases and Disorders of the Male Reproductive System | 4 | 0.0 | 29 | 7.3 |
| 13 – Diseases and Disorders of the Female Reproductive System | 15 | 0.0 | 222 | 14.8 |
| 14 – Pregnancy, Childbirth and the Puerperium | | 0.0 | 0 | 0.0 |
| 15 – Newborns and other Neonates with Conditions Originating in Perinatal Period | 8 | 0.0 | 38 | 4.8 |
| 16 – Diseases and Disorders of the Blood, Blood Forming Organs, Immunological disorders | 2 | 0.0 | 12 | 6.0 |
| 17 – Myeloproliferative Diseases & Disorders, Poorly Differentiated Neoplasms | 103 | 0.3 | 1,076 | 10.4 |
| 18 – Infectious and Parasitic Diseases, Systemic or Unspecified Sites | 2 | 0.0 | 27 | 13.5 |
| 19 – Mental Diseases and Disorders | 2,058 | 6.4 | 22,353 | 10.9 |
| 20 – Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | 1 | 0.0 | 12 | 12.0 |
| 21 – Injuries, Poisonings and Toxic Effects of Drugs | 21 | 0.1 | 363 | 17.3 |
| 22 – Burns | 0 | 0.0 | 0 | 0.0 |
| 23 – Factors Influencing Health Status and Other Contacts with Health Services | 5,981 | 18.7 | 86,657 | 14.5 |
| 24 – Multiple Significant Trauma | 2 | 0.0 | 41 | 20.5 |
| 25 – Human Immunodeficiency Virus Infections | 0 | 0.0 | 0 | 0.0 |
| Other DRGs | 4 | 0.0 | 84 | 21.0 |
| Pre MDC | 0 | 0.0 | 0 | 0.0 |
| Grand Total | 31,955 | 100.0 | 471,663 | 14.8 |

Source: data from the Ministry of Health – SDO 2016

Table S/35 – Total number of public and private facilities: description of activities classified according to the Major Diagnostic Categories (MDC) – Long-stay care admissions, Year 2016

| MDC | Number of cases | % | In-hospital days | Average length of stay |
|---|-----------------|--------------|------------------|------------------------|
| 01 – Diseases and Disorders of the Nervous System | 17,485 | 16.7 | 515,979 | 29.5 |
| 02 – Diseases and Disorders of the Eye | 32 | 0.0 | 1,074 | 33.6 |
| 03 – Diseases and Disorders of The Ear, Nose, Mouth and Throat | 443 | 0.4 | 8,153 | 18.4 |
| 04 – Diseases and Disorders of the Respiratory System | 14,070 | 13.4 | 336,221 | 23.9 |
| 05 – Diseases and Disorders of the Circulatory System | 12,153 | 11.6 | 309,623 | 25.5 |
| 06 – Diseases and Disorders of the Digestive System | 3,885 | 3.7 | 102,299 | 26.3 |
| 07 – Diseases and Disorders of the Hepatobiliary System and Pancreas | 2,641 | 2.5 | 66,520 | 25.2 |
| 08 – Diseases and Disorders of the Musculoskeletal System and Connective Tissue | 24,975 | 23.8 | 716,440 | 28.7 |
| 09 – Diseases and Disorders of the Skin, Subcutaneous Tissue and Breast | 1,459 | 1.4 | 40,070 | 27.5 |
| 10 – Endocrine, Nutritional and Metabolic Diseases and Disorders | 2,009 | 1.9 | 48,918 | 24.3 |
| 11 – Diseases and Disorders of the Kidney and Urinary Tract | 3,480 | 3.3 | 84,743 | 24.4 |
| 12 – Diseases and Disorders of the Male Reproductive System | 233 | 0.2 | 6,234 | 26.8 |
| 13 – Diseases and Disorders of the Female Reproductive System | 245 | 0.2 | 6,541 | 26.7 |
| 14 – Pregnancy, Childbirth and the Puerperium | 5 | 0.0 | 133 | 26.6 |
| 15 – Newborns and other Neonates with Conditions Originating in Perinatal Period | 17 | 0.0 | 612 | 36.0 |
| 16 – Diseases and Disorders of the Blood, Blood Forming Organs, Immunological disorders | 1,081 | 1.0 | 23,578 | 21.8 |
| 17 – Myeloproliferative Diseases & Disorders, Poorly Differentiated Neoplasms | 1,185 | 1.1 | 28,067 | 23.7 |
| 18 – Infectious and Parasitic Diseases, Systemic or Unspecified Sites | 3,251 | 3.1 | 96,181 | 29.6 |
| 19 – Mental Diseases and Disorders | 7,861 | 7.5 | 281,083 | 35.8 |
| 20 – Alcohol/Drug Use and Alcohol/Drug Induced Organic Mental Disorders | 405 | 0.4 | 9,880 | 24.4 |
| 21 – Injuries, Poisonings and Toxic Effects of Drugs | 683 | 0.7 | 19,372 | 28.4 |
| 22 – Burns | 29 | 0.0 | 1,069 | 36.9 |
| 23 – Factors Influencing Health Status and Other Contacts with Health Services | 6,805 | 6.5 | 162,703 | 23.9 |
| 24 – Multiple Significant Trauma | 226 | 0.2 | 7,921 | 35.0 |
| 25 – Human Immunodeficiency Virus Infections | 21 | 0.0 | 693 | 33.0 |
| Other DRGs | 122 | 0.1 | 5,123 | 42.0 |
| Pre MDC | 170 | 0.2 | 14,261 | 83.9 |
| Grand Total | 104,971 | 100.0 | 2,893,491 | 27.6 |

Source: data from the Ministry of Health – SDO 2016

Table S/36 – Activities of private hospitals (accredited healthcare facilities) classified according to specialty. Year 2013 (National Data)

| Specialty | Total | | | | AIDP-associated Private hospitals (accredited healthcare facilities) | | | | | |
|---|--------------|------------|------------------|------------------------|--|--------------|------------|------------------|------------------------|------------------|
| | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % |
| Angiology | 34 | 619 | 6,052 | 9.8 | 48.8 | 16 | 231 | 2,560 | 11.1 | 43.8 |
| Casualty department | 12 | 1,056 | 5,084 | 4.8 | 116.1 | | | | | |
| Heart Surgery | 542 | 23,262 | 166,160 | 7.1 | 84.0 | 439 | 17,591 | 131,820 | 7.5 | 82.3 |
| Cardiology | 1,355 | 83,976 | 345,103 | 4.1 | 69.8 | 1,094 | 64,151 | 277,604 | 4.3 | 69.5 |
| General Surgery | 4,501 | 158,828 | 618,865 | 3.9 | 37.7 | 3,712 | 131,469 | 506,810 | 3.9 | 37.4 |
| Maxillofacial surgery | 59 | 2,527 | 3,821 | 1.5 | 18.0 | 52 | 2,483 | 3,710 | 1.5 | 19.5 |
| Pediatric surgery | 23 | 335 | 1,152 | 3.4 | 13.7 | 131 | 970 | 3,531 | 4.7 | 13.0 |
| Plastic surgery | 54 | 1,664 | 4,882 | 2.9 | 24.8 | 27 | 970 | 3,531 | 3.6 | 35.8 |
| Thoracic surgery | 56 | 1,617 | 10,334 | 6.4 | 50.6 | 53 | 1,520 | 9,487 | 6.2 | 49.0 |
| Vascular surgery | 320 | 12,539 | 55,407 | 4.4 | 47.4 | 254 | 9,927 | 41,491 | 4.2 | 44.8 |
| Palliative care / Hospice | 13 | 210 | 3,124 | 14.9 | 65.8 | 13 | 210 | 3,124 | 14.9 | 65.8 |
| Dermatology | 8 | 5 | 21 | 4.2 | 0.7 | | 5 | 21 | 4.2 | 0.7 |
| Gastroenterology | 31 | 816 | 6,410 | 7.9 | 56.7 | 28 | 675 | 5,548 | 8.2 | 54.3 |
| Geriatrics | 544 | 16,705 | 142,373 | 8.5 | 71.7 | 467 | 12,361 | 116,253 | 9.4 | 68.2 |
| Long-stay care pts | 4,641 | 45,689 | 1,277,946 | 28.0 | 75.4 | 3,043 | 32,021 | 817,079 | 25.5 | 73.6 |
| Endocrine, nutr. and metabolic diseases | 37 | 635 | 5,820 | 9.2 | 43.1 | 37 | 635 | 5,820 | 9.2 | 43.1 |
| General medicine | 4,434 | 135,423 | 1,054,990 | 7.8 | 65.2 | 3,659 | 114,733 | 888,180 | 7.7 | 66.5 |
| Nephrology | 105 | 3,081 | 18,443 | 6.0 | 48.1 | 66 | 2,251 | 13,534 | 6.0 | 56.2 |
| Neonatology | 66 | 2,783 | 13,592 | 4.9 | 56.4 | 17 | 519 | 2,067 | 4.0 | 33.3 |
| Neurosurgery | 186 | 9,169 | 42,506 | 4.6 | 62.6 | 147 | 7,634 | 33,147 | 4.3 | 61.8 |
| Neurology | 894 | 17,397 | 218,648 | 12.6 | 67.0 | 738 | 12,577 | 187,082 | 14.9 | 69.5 |
| Neurological rehabilitation | 434 | 3,028 | 150,211 | 49.6 | 94.8 | 264 | 1,720 | 90,900 | 52.8 | 94.3 |
| Day nursery | 75 | 3,147 | 9,705 | 3.1 | 35.5 | 75 | 3,147 | 9,705 | 3.1 | 35.5 |
| Ophthalmology | 388 | 9,201 | 22,293 | 2.4 | 15.7 | 299 | 5,628 | 15,979 | 2.8 | 14.6 |
| Oncology | 454 | 16,679 | 107,291 | 6.4 | 64.7 | 390 | 14,974 | 95,769 | 6.4 | 67.3 |
| Orthopedics and Traumatology | 4,137 | 207,022 | 807,802 | 3.9 | 53.5 | 3,437 | 175,381 | 683,588 | 3.9 | 54.5 |
| Obstetrics and gynaecology | 1,905 | 101,546 | 362,798 | 3.6 | 52.2 | 1,376 | 74,577 | 259,824 | 3.5 | 51.7 |
| Otorhinolaryngology | 582 | 19,367 | 45,041 | 2.3 | 21.2 | 485 | 15,008 | 36,620 | 2.4 | 20.7 |
| Pediatrics | 72 | 3,850 | 21,945 | 5.7 | 83.5 | 14 | 846 | 4,132 | 4.9 | 80.9 |
| Pneumology | 159 | 5,097 | 41,913 | 8.2 | 72.2 | 119 | 3,815 | 30,382 | 8.0 | 69.9 |
| Psychiatry | 1,894 | 20,600 | 550,486 | 25.8 | 76.7 | 1,689 | 18,652 | 487,565 | 26.1 | 79.1 |
| Radiation Therapy | 10 | 114 | 1,142 | 10.0 | 31.3 | 10 | 114 | 1,142 | 10.0 | 31.3 |

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(Continued) Table S/36 – Activities of private hospitals (accredited healthcare facilities) classified according to speciality. Year 2013 (National Data)

| Speciality | Total | | | | AOP-associated Private hospitals (accredited healthcare facilities) | | | | | |
|--|---------------|------------------|-------------------|------------------------|---|---------------|----------------|------------------|------------------------|------------------|
| | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % |
| Functional recovery and rehabilitation | 11,296 | 151,245 | 3,612,651 | 23.9 | 87.6 | 7,006 | 96,889 | 2,280,481 | 23.5 | 89.2 |
| Rheumatology | 45 | 1,845 | 14,230 | 7.7 | 86.6 | 15 | 919 | 7,541 | 8.2 | 137.7 |
| Intensive care | 302 | 11,226 | 58,159 | 5.2 | 52.8 | 201 | 6,701 | 39,603 | 5.9 | 54.0 |
| Neonatal intensive care | 34 | 808 | 10,787 | 13.4 | 86.9 | 8 | 237 | 4,225 | 17.8 | 144.7 |
| Coronary care unit | 144 | 8,940 | 34,311 | 3.8 | 65.3 | 88 | 4,727 | 22,435 | 4.7 | 69.8 |
| Spinal care unit | 25 | 152 | 8,932 | 58.8 | 97.9 | | | | | |
| Urology | 1,079 | 49,977 | 197,230 | 3.9 | 50.1 | 863 | 38,976 | 1,555,526 | 4.0 | 49.4 |
| Total | 40,950 | 1,109,536 | 10,037,660 | 9.0 | 67.2 | 30,222 | 856,917 | 7,274,903 | 8.5 | 65.9 |

Source: processing by Ermeneia – data from the Ministry of Health

Table S/58 – Activities of private hospitals (accredited healthcare facilities) classified according to specialty. Year 2013 (North)

| Specialty | Total | | | | AOP-associated Private hospitals (accredited healthcare facilities) | | | |
|--|---------------|------------------|------------------------|------------------|---|------------------|------------------------|------------------|
| | Patient beds | In-hospital days | Average length of stay | Occupancy rate % | Patient beds | In-hospital days | Average length of stay | Occupancy rate % |
| Heart Surgery | 240 | 8,496 | 70,138 | 80.1 | 192 | 6,825 | 55,102 | 78.6 |
| Cardiology | 518 | 28,592 | 119,813 | 63.4 | 439 | 23,635 | 101,603 | 63.4 |
| General Surgery | 1,466 | 56,958 | 197,605 | 36.9 | 1,163 | 44,003 | 153,539 | 36.2 |
| Maxillofacial surgery | 31 | 774 | 1,549 | 13.7 | 31 | 774 | 1,549 | 13.7 |
| Plastic surgery | 24 | 1,080 | 2,777 | 31.7 | 10 | 538 | 1,969 | 53.9 |
| Thoracic surgery | 43 | 1,126 | 6,886 | 43.9 | 43 | 1,126 | 6,886 | 43.9 |
| Vascular surgery | 171 | 7,387 | 33,130 | 53.1 | 128 | 5,796 | 24,788 | 53.1 |
| Palliative care / Hospice | 13 | 210 | 3,124 | 65.8 | 13 | 210 | 3,124 | 65.8 |
| Dermatology | 8 | 5 | 21 | 0.7 | 8 | 5 | 21 | 0.7 |
| Gastroenterology | 2 | 84 | 474 | 64.9 | 2 | 84 | 474 | 64.9 |
| Geriatrics | 199 | 7,697 | 52,862 | 72.8 | 144 | 4,007 | 34,874 | 66.4 |
| Long-stay care pts | 2,584 | 30,000 | 774,658 | 82.1 | 1,714 | 22,154 | 527,365 | 84.3 |
| General medicine | 1,999 | 52,481 | 453,014 | 62.1 | 1,560 | 41,469 | 353,870 | 62.1 |
| Nephrology | 10 | 362 | 2,612 | 71.6 | | | | |
| Neonatology | 28 | 1,586 | 7,911 | 77.4 | | | | |
| Neurosurgery | 96 | 5,325 | 23,183 | 66.2 | 76 | 4,167 | 16,734 | 60.3 |
| Neurology | 187 | 6,542 | 42,587 | 62.4 | 125 | 4,091 | 28,882 | 63.3 |
| Neurological rehabilitation | 234 | 1,855 | 78,461 | 91.9 | 119 | 763 | 39,235 | 90.3 |
| Ophthalmology | 138 | 2,566 | 5,043 | 10.0 | 94 | 1,835 | 3,737 | 10.9 |
| Oncology | 82 | 2,124 | 15,191 | 7.2 | 30 | 1,008 | 7,336 | 67.0 |
| Orthopedics and Traumatology | 1,686 | 101,840 | 363,208 | 59.0 | 1,347 | 86,973 | 308,701 | 62.8 |
| Obstetrics and gynaecology | 461 | 22,323 | 72,670 | 43.2 | 295 | 13,579 | 38,334 | 35.6 |
| Otorhinolaryngology | 239 | 10,997 | 24,039 | 27.6 | 200 | 8,531 | 19,589 | 26.8 |
| Pediatrics | 72 | 3,850 | 21,945 | 83.5 | 14 | 846 | 4,132 | 80.9 |
| Pneumology | 27 | 355 | 3,705 | 37.6 | 17 | 355 | 3,705 | 37.6 |
| Psychiatry | 917 | 10,554 | 251,305 | 75.1 | 845 | 9,353 | 236,691 | 76.7 |
| Functional recovery and rehabilitation | 6,076 | 87,532 | 1,995,836 | 90.0 | 3,712 | 53,677 | 1,220,611 | 90.1 |
| Intensive care | 139 | 5,289 | 27,537 | 54.3 | 108 | 3,414 | 20,649 | 52.4 |
| Neonatal intensive care | 17 | 549 | 6,316 | 101.8 | | | | |
| Coronary care unit | 32 | 1,774 | 5,748 | 49.2 | 23 | 823 | 3,324 | 39.6 |
| Urology | 463 | 22,157 | 86,720 | 51.3 | 324 | 15,299 | 59,910 | 50.7 |
| Total | 18,202 | 472,821 | 4,750,068 | 71.5 | 12,786 | 348,233 | 3,276,734 | 70.2 |

Source: processing by Ermeneia – data from the Ministry of Health

Table S/59 – Activities of private hospitals (accredited healthcare facilities) classified according to specialty. Year 2013 (Center)

| Specialty | Total | | | | A/IOP-associated Private hospitals (accredited healthcare facilities) | | | | | |
|---|--------------|------------------------|------------------|------------------------|---|--------------|------------------------|------------------|------------------------|------------------|
| | Patient beds | In-hospital Inpatients | In-hospital days | Average length of stay | Occupancy rate % | Patient beds | In-hospital Inpatients | In-hospital days | Average length of stay | Occupancy rate % |
| Angiology | 26 | 472 | 5,288 | 11.2 | 55.7 | 8 | 84 | 1,796 | 21.4 | 61.5 |
| Casualty department | 12 | 1,056 | 5,084 | 4.8 | 116.1 | | | | | |
| Card Surgery | 54 | 1,911 | 12,352 | 6.5 | 62.7 | 32 | 730 | 7,751 | 10.6 | 66.4 |
| Cardiology | 112 | 4,769 | 23,905 | 5.0 | 58.5 | 73 | 2,319 | 15,313 | 6.6 | 57.5 |
| General Surgery | 749 | 23,544 | 96,180 | 4.1 | 35.2 | 613 | 20,580 | 81,834 | 4.0 | 36.6 |
| Vascular surgery | 10 | 342 | 1,283 | 3.8 | 35.2 | 10 | 342 | 1,283 | 3.8 | 35.2 |
| Geriatrics | 51 | 1,003 | 16,354 | 16.3 | 87.9 | 51 | 1,003 | 16,354 | 16.3 | 87.9 |
| Long-stay care pts | 978 | 9,616 | 327,542 | 34.1 | 91.8 | 558 | 5,760 | 178,200 | 30.9 | 87.5 |
| Endocrine, nutr. and metabolic diseases | 10 | 33 | 304 | 9.2 | 8.3 | 10 | 33 | 304 | 9.2 | 8.3 |
| General medicine | 961 | 25,798 | 215,292 | 8.3 | 61.4 | 799 | 22,655 | 185,810 | 8.2 | 63.7 |
| Nephrology | 47 | 569 | 4,603 | 8.1 | 26.8 | 27 | 495 | 3,434 | 6.9 | 34.8 |
| Neonatology | 16 | 428 | 1,643 | 3.8 | 28.1 | 9 | 45 | 73 | 1.6 | 2.2 |
| Neurosurgery | 14 | 257 | 1,975 | 7.7 | 38.6 | | | | | |
| Neurology | 41 | 469 | 12,063 | 25.7 | 80.6 | 30 | 217 | 10,270 | 47.3 | 93.8 |
| Neurological rehabilitation | 55 | 216 | 20,085 | 93.0 | 100.0 | | | | | |
| Ophthalmology | 95 | 1,505 | 2,396 | 1.6 | 6.9 | 69 | 1,288 | 2,076 | 1.6 | 8.2 |
| Oncology | 35 | 1,062 | 7,315 | 6.9 | 57.3 | 35 | 1,062 | 7,315 | 6.9 | 57.3 |
| Orthopedics and Traumatology | 987 | 44,750 | 186,132 | 4.2 | 51.7 | 821 | 39,159 | 157,188 | 4.0 | 52.5 |
| Obstetrics and gynaecology | 236 | 11,646 | 38,769 | 3.3 | 45.0 | 201 | 8,587 | 28,644 | 3.3 | 39.0 |
| Otorhinolaryngology | 120 | 2,142 | 4,377 | 2.0 | 10.0 | 98 | 1,121 | 2,795 | 2.5 | 7.8 |
| Pneumology | 24 | 713 | 6,751 | 9.5 | 77.1 | 24 | 713 | 6,751 | 9.5 | 77.1 |
| Psychiatry | 282 | 2,885 | 93,244 | 32.3 | 90.6 | 189 | 2,263 | 66,731 | 29.5 | 96.7 |
| Functional recovery and rehabilitation | 1,950 | 23,486 | 609,192 | 25.9 | 85.6 | 1,022 | 13,115 | 321,438 | 24.5 | 86.2 |
| Intensive care | 27 | 1,184 | 5,274 | 4.5 | 53.5 | 4 | 337 | 640 | 1.9 | 43.8 |
| Coronary care unit | 28 | 1,700 | 6,376 | 3.8 | 62.4 | 8 | 647 | 1,829 | 2.8 | 62.6 |
| Urology | 128 | 6,274 | 22,019 | 3.5 | 47.1 | 109 | 5,662 | 18,930 | 3.3 | 47.6 |
| Total | 7,048 | 164,473 | 1,725,798 | 10.5 | 67.1 | 4,800 | 125,653 | 1,116,759 | 8.9 | 63.7 |

Source: processing by *Ermeneia* – data from the *Ministry of Health*

Table S/60 – Activities of private hospitals (accredited healthcare facilities) classified according to specialty, Year 2013 (South)

| Specialty | Total | | | | | AOP-associated Private hospitals (accredited healthcare facilities) | | | | |
|---|---------------|----------------|------------------|------------------------|------------------|---|----------------|------------------|------------------------|------------------|
| | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % | Patient beds | Inpatients | In-hospital days | Average length of stay | Occupancy rate % |
| Angiology | 8 | 147 | 764 | 5.2 | 26.2 | 8 | 147 | 764 | 5.2 | 26.2 |
| Heart Surgery | 248 | 12,855 | 83,670 | 6.5 | 92.4 | 215 | 10,036 | 68,967 | 6.9 | 87.9 |
| Cardiology | 725 | 50,615 | 201,385 | 4.0 | 76.1 | 582 | 38,197 | 160,688 | 4.2 | 75.6 |
| General Surgery | 2,286 | 78,326 | 325,080 | 4.2 | 39.0 | 1,936 | 66,886 | 271,437 | 4.1 | 38.4 |
| Maxillofacial surgery | 28 | 1,753 | 2,272 | 1.3 | 23.0 | 21 | 1,709 | 2,161 | 1.3 | 28.2 |
| Pediatric surgery | 23 | 335 | 1,152 | 3.4 | 13.7 | 13 | 131 | 618 | 4.7 | 13.0 |
| Plastic surgery | 30 | 584 | 2,105 | 3.6 | 19.2 | 17 | 432 | 1,562 | 3.6 | 25.2 |
| Thoracic surgery | 13 | 491 | 3,448 | 7.0 | 72.7 | 10 | 394 | 2,601 | 6.6 | 71.3 |
| Vascular surgery | 139 | 4,810 | 20,994 | 4.4 | 41.4 | 116 | 3,789 | 15,420 | 4.1 | 36.4 |
| Gastroenterology | 29 | 732 | 5,936 | 8.1 | 56.1 | 26 | 591 | 5,074 | 8.6 | 53.5 |
| Geriatrics | 294 | 8,005 | 73,157 | 9.1 | 68.2 | 272 | 7,351 | 65,025 | 8.8 | 65.5 |
| Long-stay care pts | 1,079 | 6,073 | 175,746 | 28.9 | 44.6 | 771 | 4,107 | 111,514 | 27.2 | 39.6 |
| Endocrine, nutr. and metabolic diseases | 27 | 602 | 5,516 | 9.2 | 56.0 | 27 | 602 | 5,516 | 9.2 | 56.0 |
| General medicine | 1,474 | 57,144 | 386,684 | 6.8 | 71.9 | 1,300 | 50,609 | 348,500 | 6.9 | 73.4 |
| Nephrology | 48 | 2,150 | 11,228 | 5.2 | 64.1 | 39 | 1,756 | 10,100 | 5.8 | 71.0 |
| Neonatology | 22 | 769 | 4,038 | 5.3 | 50.3 | 8 | 474 | 1,994 | 4.2 | 68.3 |
| Neurosurgery | 76 | 3,587 | 17,348 | 4.8 | 62.5 | 71 | 3,467 | 16,413 | 4.7 | 63.3 |
| Neurology | 666 | 10,386 | 163,998 | 15.8 | 67.5 | 583 | 8,269 | 147,930 | 17.9 | 69.5 |
| Neurological rehabilitation | 145 | 957 | 51,665 | 54.0 | 97.6 | 145 | 957 | 51,665 | 54.0 | 97.6 |
| Day nursery | 75 | 3,147 | 9,705 | 3.1 | 35.5 | 75 | 3,147 | 9,705 | 3.1 | 35.5 |
| Ophthalmology | 155 | 5,130 | 14,854 | 2.9 | 26.3 | 136 | 2,505 | 10,166 | 4.1 | 20.5 |
| Oncology | 337 | 13,493 | 84,785 | 6.3 | 68.9 | 325 | 12,904 | 81,118 | 6.3 | 68.4 |
| Orthopedics and Traumatology | 1,464 | 60,432 | 258,462 | 4.3 | 48.4 | 1,269 | 49,249 | 217,699 | 4.4 | 47.0 |
| Obstetrics and gynaecology | 1,208 | 67,577 | 251,359 | 3.7 | 57.0 | 880 | 52,411 | 192,846 | 3.7 | 60.0 |
| Otorhinolaryngology | 223 | 6,228 | 16,625 | 2.7 | 20.4 | 187 | 5,356 | 14,236 | 2.7 | 20.9 |
| Pneumology | 108 | 4,029 | 31,457 | 7.8 | 79.8 | 68 | 2,747 | 19,926 | 7.3 | 80.3 |
| Psychiatry | 695 | 7,161 | 183,937 | 26.0 | 73.3 | 655 | 7,036 | 184,143 | 26.2 | 77.0 |
| Radiation Therapy | 10 | 114 | 1,142 | 10.0 | 31.3 | 10 | 114 | 1,142 | 10.0 | 31.3 |
| Functional recovery and rehabilitation | 3,270 | 40,227 | 1,007,623 | 25.0 | 84.4 | 2,272 | 30,097 | 738,432 | 24.5 | 89.0 |
| Rheumatology | 45 | 1,845 | 14,230 | 7.7 | 86.6 | 15 | 919 | 7,541 | 8.2 | 137.7 |
| Intensive care | 136 | 4,753 | 25,348 | 5.3 | 51.1 | 89 | 2,950 | 18,314 | 6.2 | 56.4 |
| Neonatal intensive care | 17 | 259 | 4,471 | 17.3 | 72.1 | 8 | 237 | 4,225 | 17.8 | 144.7 |
| Coronary care unit | 84 | 5,466 | 22,187 | 4.1 | 72.4 | 57 | 3,257 | 17,282 | 5.3 | 83.1 |
| Spinal care unit | 25 | 152 | 8,932 | 58.8 | 97.9 | 25 | 152 | 8,932 | 58.8 | 97.9 |
| Urology | 488 | 21,546 | 88,491 | 4.1 | 49.7 | 430 | 18,015 | 76,686 | 4.3 | 48.9 |
| Total | 15,700 | 472,242 | 3,561,794 | 7.5 | 62.2 | 12,636 | 383,031 | 2,881,410 | 7.5 | 62.5 |

Source: processing by Ermeneia – data from the Ministry of Health

Table S/61 – Differences of healthcare options across the country, assessed according to patient mobility using data on hospital admissions (a). Years 2012-2016

| Regions | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | Mobility balance (b) | |
|------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|----------------------|---------|
| | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | Inflow | Outflow | | Ratio |
| - Piedmont | 0.84 | 1.19 | 0.83 | 1.20 | 0.86 | 1.17 | 0.84 | 1.19 | 0.88 | 1.14 | 1.3 | -4,050 |
| - Aosta Valley | 0.59 | 1.69 | 0.68 | 1.47 | 0.69 | 1.45 | 0.69 | 1.45 | 0.78 | 1.28 | 1.6 | -544 |
| - Lombardy | 2.47 | 0.40 | 2.48 | 0.40 | 2.44 | 0.41 | 2.53 | 0.39 | 2.64 | 0.38 | 0.1 | 74,522 |
| - A.P. of Trento | 0.61 | 1.63 | 0.61 | 1.65 | 0.63 | 1.60 | 0.65 | 1.54 | 0.65 | 1.55 | 2.4 | -3,077 |
| - Veneto | 1.13 | 0.89 | 1.14 | 0.88 | 1.17 | 0.85 | 1.27 | 0.79 | 1.30 | 0.77 | 0.6 | 9,644 |
| - Friuli V.G. | 1.57 | 0.64 | 1.52 | 0.66 | 1.56 | 0.64 | 1.30 | 0.77 | 1.35 | 0.74 | 0.5 | 3,251 |
| - Liguria | 0.72 | 1.39 | 0.70 | 1.44 | 0.68 | 1.47 | 0.68 | 1.47 | 0.66 | 1.51 | 2.3 | -9,500 |
| - Emilia Romagna | 2.39 | 0.42 | 2.43 | 0.41 | 2.44 | 0.41 | 2.41 | 0.41 | 2.39 | 0.42 | 0.2 | 46,983 |
| - Tuscany | 1.97 | 0.51 | 1.97 | 0.51 | 2.00 | 0.50 | 1.98 | 0.51 | 1.95 | 0.51 | 0.3 | 24,617 |
| - Umbria | 1.34 | 0.75 | 1.34 | 0.75 | 1.46 | 0.69 | 1.40 | 0.71 | 1.30 | 0.77 | 0.6 | 4,188 |
| - Marche | 0.88 | 1.14 | 0.93 | 1.07 | 0.92 | 1.09 | 0.84 | 1.19 | 0.80 | 1.24 | 1.5 | -4,803 |
| - Lazio | 1.04 | 0.96 | 0.99 | 1.01 | 0.92 | 1.08 | 0.87 | 1.15 | 0.86 | 1.16 | 1.4 | -7,913 |
| - Abruzzo | 0.71 | 1.42 | 0.66 | 1.52 | 0.64 | 1.57 | 0.67 | 1.49 | 0.68 | 1.48 | 2.2 | -8,541 |
| - Molise | 1.20 | 0.83 | 1.18 | 0.85 | 1.17 | 0.85 | 1.16 | 0.86 | 1.04 | 0.96 | 0.9 | 579 |
| - Campania | 0.32 | 3.16 | 0.33 | 3.07 | 0.32 | 3.10 | 0.33 | 3.00 | 0.32 | 3.12 | 9.7 | -37,061 |
| - Apulia | 0.52 | 1.91 | 0.54 | 1.84 | 0.55 | 1.82 | 0.55 | 1.81 | 0.57 | 1.74 | 3.0 | -17,862 |
| - Basilicata | 0.71 | 1.41 | 0.73 | 1.37 | 0.83 | 1.20 | 0.82 | 1.22 | 0.79 | 1.27 | 1.6 | -3,612 |
| - Calabria | 0.15 | 6.54 | 0.13 | 7.55 | 0.12 | 8.01 | 0.12 | 8.18 | 0.12 | 8.47 | 71.7 | -35,473 |
| - Sicily | 0.29 | 3.47 | 0.30 | 3.36 | 0.31 | 3.24 | 0.28 | 3.61 | 0.25 | 3.98 | 15.9 | -25,594 |
| - Sardinia | 0.35 | 2.85 | 0.33 | 3.04 | 0.33 | 3.02 | 0.33 | 3.05 | 0.33 | 2.99 | 8.9 | -6,680 |

Data related to the Autonomous Province of Bolzano have not been provided here as they are strongly biased by migration abroad (notably to Austria).

(a) Mobility has been provided in percentage of incoming and outgoing acute patients, calculated on the inter-regional mobility matrices.

(b) Active and passive mobility balance of acute patients of each region.

Source: processing by *Ermeneta* – data from the *Ministry of Health*

3. Staff information

3.1. Staff fluctuation over the years

The 2016 staffing levels recorded by the Ministry of Health using the new transmission methods based on the direct insertion of data on the web platform, seem to lead to a stabilization of the trend of gradual downsizing of the workforce registered by the whole of public hospital facilities since 2010, a trend that led to an overall reduction of 10.3% up until 2015. Thus, the decisive inversion of trend is slowing down with respect to the growth observed in 2009, which we had in any case mainly attributed to the creation of new hospital centers and to a radical reclassification undertaken with the inclusion, among the directly managed hospitals and among the hospital centers, of some institutions previously included among the so-called ‘assimilated’ public hospitals. As always, it should be stressed that the values indicated do not include freelance or similarly employed personnel, which have nevertheless become part of the workforce over the last few years.

On the other hand, a look at the trends recorded in the period 2012-2016 (see Table S/62), shows that there was a decrease of 11,732 units, with the number of personnel going from 466,834 to 455,102 employees, resulting in a corresponding reduction of 2.5%.

Looking at the public facilities under consideration, that is the hospital centers (including those integrated with universities) and hospitals directly managed by local health authorities, and again taking into account what has already been explicitly stated, we can see the differences in the dynamics among the different professional figures during the period considered: a decline in the number of doctors by 948 units, of nurses by 6,067 units, and of other staff by 4,717 units, as shown by the data in the following table:

| | 2012 | 2016 |
|--------------------------------|---------|---------|
| – Medical doctors and Dentists | 85,689 | 84,741 |
| – Nurses | 216,619 | 210,552 |
| – Other staff | 164,526 | 159,809 |

An analysis of the indicator that shows the relationship between the personnel of the public facilities and the updated data on number of patient beds, shows that there is also a slight improvement for 2015 and 2016 for both hospital centers and the hospitals of the local health authorities, noting however that the trend of these relationships continues to be strongly influenced by the change in the classifications and the changes of recent years in the public sphere (see Table S/64).

Moving to the side of the hospitalization system in which the accredited facilities that are part of AIOP operate, we can see an increase between 2012 and 2017 of 3,866 units, equal to +5.8% increase (Table S/65). This is an increase that affects both the medical staff and, to a greater extent, the nurses and the other personnel, yet once again taking into account the fact that the overall number of staff and their compositional breakdown into the various professional roles is strongly influenced by the variability in the size and in the type of the entire grouping of facilities (Table S/66).

3.2. Staff distribution throughout Italy

Healthcare personnel working in the public and private hospitals of the National Health Service as a whole amounted to more than 633,000 units (Table S/67), as shown in the latest ISTAT survey available, which, however, shows the situation once again relate to 2013. It shows a significant variability by region and by professional figure compared to the previous period, most likely due to a change in the method of data collection and classification.

The North continues to distinguish itself from the other territorial areas, as the part of the country in which all the professional components are most represented in the hospital, with an incidence on the total amounting to 52%.

The numbers and distributions of the employees of AIOP facilities, for which we have data updated at the end of 2017, are instead shown in Table S/68, which makes it possible to observe that the total number of operators employed was 62,686 units. The overall workforce of these facilities is rounded out by 7,467 units of medical personnel and 4,694 units of non-medical personnel, whose services are offered through freelance collaboration agreements.

Table S/62 – Staff trends in Hospital Centers and in the local health service (ASL) hospitalization facilities^(a) (A.V.)

| Type of institution | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|---------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|
| | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) |
| Medical doctors and | | | | | | | | | | |
| Dentists | 35,227 | 50,462 | 34,953 | 50,193 | 34,646 | 50,070 | 33,640 | 50,095 | 33,785 | 50,956 |
| Nurses | 93,900 | 122,719 | 93,622 | 120,679 | 93,119 | 119,010 | 90,937 | 119,313 | 90,096 | 120,456 |
| Other | 81,619 | 82,907 | 81,072 | 81,999 | 79,862 | 80,172 | 76,894 | 79,721 | 77,163 | 82,646 |
| Total | 210,746 | 256,088 | 209,647 | 232,871 | 207,627 | 249,252 | 201,471 | 249,129 | 201,044 | 254,058 |

(a) Staff working as self-employed professionals or similar contract types were not included.

(*) NHS staff and University staff.

(**) Residual mental health facilities are included.

Source: data processed by *Ermeneta* from the Report “Attività gestionali ed economiche delle Asl e Aziende Ospedaliere”, Ministry of Health, Years 2012, 2013, 2014, 2015 and 2016

Table S/63 – Hospital Center and local health service (ASL) hospitalization facility staff^(a) (% var.)

| Medical doctors and | 2013/2012 | | 2014/2013 | | 2015/2014 | | 2016/2015 | | 2016/2012 | |
|---------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|
| | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) |
| Dentists | -0.8 | -0.5 | -0.9 | -0.2 | -2.9 | 0.0 | 0.4 | 1.7 | -4.1 | 1.0 |
| Nurses | -0.3 | -1.7 | -0.5 | -1.4 | -2.3 | 0.3 | -0.9 | 1.0 | -4.1 | -1.8 |
| Other | -0.7 | -1.1 | -1.5 | -2.2 | -3.7 | -0.6 | 0.3 | 3.7 | -5.5 | -0.3 |
| Total | -0.5 | -1.3 | -1.0 | -1.4 | -3.0 | 0.0 | -0.2 | 2.0 | -4.6 | -0.8 |

(a) Staff working as self-employed professionals or similar contract types were not included.

(*) NHS staff and University staff.

(**) Residual mental health facilities are included.

Source: data processed by *Ermeneta* from the Report “Attività gestionali ed economiche delle Asl e Aziende Ospedaliere”, Ministry of Health, Years 2012, 2013, 2014, 2015 and 2016

Table S/64 – Hospital Center and local health service (ASL) hospitalization, facility staff

| | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | |
|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|
| | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) | Hospital Centers (*) | ASL hospitalization facilities (**) |
| Medical doctors per 10 patient beds | 7.7 | 4.5 | 7.8 | 4.7 | 7.9 | 4.8 | 8.4 | 6.1 | 8.5 | 6.4 |
| Nurses per 10 patient beds | 20.6 | 11.0 | 20.8 | 11.3 | 21.3 | 11.4 | 22.8 | 14.6 | 22.6 | 15.0 |

(*) NHS staff and University staff.

(**) Residual mental health facilities are included.

Note: the numbers of medical doctors and nurses per patient bed has been calculated considering patient beds actually used.

Source: data processed by *Ermeneta* from the Report “Attività gestionali ed economiche delle Asl e Aziende Ospedaliere”, Ministry of Health, Years 2012, 2013, 2014, 2015 and 2016

Table S/65 – Staff working in medical institutions associated with AIOOP, 2011-2016 Years 2012-2017

| Role | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|--------|--------|--------|--------|--------|--------|
| Contract employee and self-employed doctors | 11,810 | 11,773 | 11,815 | 11,948 | 12,191 | 12,340 |
| Nurses | 20,032 | 19,175 | 19,316 | 20,032 | 21,147 | 21,241 |
| Other | 34,445 | 34,242 | 34,537 | 34,445 | 36,307 | 36,572 |
| Total | 66,287 | 65,190 | 65,668 | 66,425 | 69,645 | 70,153 |

Note: surveying data related to staff can be significantly affected by institutions entering or leaving AIOOP over the years.

Source: processing by *Ermeneta* – data from AIOOP

Table S/66 – Staff working in medical institutions associated with AIOOP Years 2012-2017 (% var.)

| | 2013/2012 | 2014/2013 | 2015/2014 | 2016/2015 | 2017/2016 |
|---|-----------|-----------|-----------|-----------|-----------|
| Contract employee and self-employed doctors | -0.3 | 0.4 | 1.1 | 2.0 | 1.2 |
| Nurses | -4.3 | 0.7 | 3.7 | 5.6 | 0.4 |
| Other | -0.6 | 0.9 | -0.3 | 5.4 | 0.7 |
| Total | -1.7 | 0.7 | 1.2 | 4.8 | 0.7 |

Note: surveying data related to staff can be significantly affected by institutions entering or leaving AIOOP over the years.

Source: processing by *Ermeneta* – data from AIOOP

Table S/67 – Total number of healthcare personnel employed in various healthcare institutions, by region, Year 2013

| Regions | Medical personnel | Nursing staff | Other staff | Total staff |
|----------------------------------|-------------------|---------------|-------------|-------------|
| – Piedmont | 9,477 | 20,078 | 21,750 | 51,305 |
| – Aosta Valley | 354 | 591 | 657 | 1,602 |
| – Lombardy | 22,026 | 48,097 | 54,356 | 124,479 |
| – Trentino-Alto Adige | 1,906 | 5,871 | 8,035 | 15,812 |
| – Autonomous Province of Bolzano | 948 | 3,203 | 4,785 | 8,936 |
| – Autonomous Province of Trento | 958 | 2,668 | 3,250 | 6,876 |
| – Veneto | 8,494 | 22,445 | 19,530 | 50,469 |
| – Friuli Venezia Giulia | 2,715 | 6,527 | 6,555 | 15,797 |
| – Liguria | 3,702 | 8,879 | 7,053 | 19,634 |
| – Emilia Romagna | 9,854 | 21,905 | 18,513 | 50,272 |
| – Tuscany | 8,362 | 17,898 | 13,588 | 39,848 |
| – Umbria | 1,933 | 3,827 | 2,827 | 8,587 |
| – Marche | 3,586 | 8,760 | 6,472 | 18,818 |
| – Lazio | 13,243 | 26,276 | 22,904 | 62,423 |
| – Abruzzo | 2,530 | 6,023 | 3,940 | 12,493 |
| – Molise | 651 | 1,482 | 1,345 | 3,478 |
| – Campania | 9,817 | 19,299 | 13,735 | 42,851 |
| – Apulia | 7,093 | 16,084 | 12,203 | 35,380 |
| – Basilicata | 1,085 | 2,650 | 2,137 | 5,872 |
| – Calabria | 3,221 | 6,273 | 4,949 | 14,443 |
| – Sicily | 10,223 | 17,923 | 14,206 | 42,352 |
| – Sardinia | 4,156 | 7,282 | 5,377 | 16,815 |
| – North | 58,528 | 134,393 | 136,449 | 329,370 |
| – Center | 27,124 | 56,761 | 45,791 | 129,676 |
| – South | 38,776 | 77,016 | 57,892 | 173,684 |
| – Italy | 124,428 | 268,170 | 240,132 | 632,730 |

Source: ISTAT, healthcare institution facilities and activities

Table S/68 – Staff working in medical institutions associated with AIOF Updated to December, 31st 2017

| Regions | Contract employee operators | | | | | | | | | | Self-employed professionals | |
|-------------------------|-----------------------------|--------|--------|-------------|--|--------|--------|-----------------------|-------------|-------|-----------------------------|-----------------------|
| | Medical personnel | | Nurses | Technicians | Auxiliary staff in Health and Social Care Settings | | | Other caregiver staff | Other staff | Total | Medical personnel | Non-medical personnel |
| | | | | | | | | | | | | |
| – Piedmont | 195 | 1,044 | 301 | 447 | 485 | 996 | 3,468 | 529 | 325 | | | |
| – Aosta Valley | 1 | 12 | 4 | 3 | 14 | 9 | 43 | 2 | 23 | | | |
| – Lombardy | 1,290 | 5,462 | 1,621 | 1,096 | 1,816 | 4,282 | 15,567 | 2,152 | 897 | | | |
| – A.P. of Bolzano | 3 | 67 | 33 | 21 | 33 | 39 | 196 | 10 | 9 | | | |
| – A.P. of Trento | 17 | 81 | 25 | 37 | 88 | 72 | 320 | 5 | 15 | | | |
| – Veneto | 280 | 1,400 | 407 | 213 | 743 | 917 | 3,960 | 314 | 163 | | | |
| – Friuli Venezia Giulia | 57 | 203 | 94 | 29 | 151 | 235 | 769 | 48 | 43 | | | |
| – Liguria | 3 | 98 | 15 | 5 | 12 | 120 | 253 | 11 | 39 | | | |
| – Emilia Romagna | 153 | 1,977 | 466 | 386 | 918 | 1,063 | 4,963 | 666 | 547 | | | |
| – Tuscany | 117 | 576 | 160 | 115 | 380 | 337 | 1,685 | 395 | 158 | | | |
| – Umbria | 11 | 73 | 21 | 45 | 55 | 55 | 260 | 68 | 11 | | | |
| – Marche | 78 | 340 | 69 | 77 | 150 | 265 | 979 | 123 | 82 | | | |
| – Lazio | 617 | 3,309 | 1,256 | 1,731 | 1,170 | 2,551 | 10,634 | 1,234 | 828 | | | |
| – Abruzzo | 132 | 598 | 175 | 240 | 58 | 269 | 1,472 | 69 | 20 | | | |
| – Molise | 82 | 114 | 45 | 11 | 19 | 145 | 416 | 5 | 390 | | | |
| – Campania | 794 | 2,076 | 736 | 761 | 628 | 1,497 | 6,492 | 551 | 502 | | | |
| – Apulia | 346 | 1,292 | 432 | 560 | 146 | 833 | 3,609 | 96 | 245 | | | |
| – Basilicata | 13 | 81 | 30 | 11 | 138 | 79 | 352 | 18 | 3 | | | |
| – Calabria | 203 | 508 | 166 | 224 | 264 | 419 | 1,784 | 224 | 139 | | | |
| – Sicily | 366 | 1,527 | 356 | 848 | 135 | 1,152 | 4,384 | 843 | 158 | | | |
| – Sardinia | 115 | 403 | 70 | 80 | 164 | 248 | 1,080 | 104 | 97 | | | |
| Italy | 4,873 | 21,241 | 6,482 | 6,940 | 7,567 | 15,583 | 62,686 | 7,467 | 4,694 | | | |

Source: AIOF

4. Spending data

4.1. Economic flow trends over the years

The expenditure of the National Health Service, described in the usual analytical components at consolidated values, was also determined for 2016 on the basis of the information coming from the two different institutional sources used starting in 2013, due to the continual lack of updates to the “Health Report” contained in the various editions of the General Report on the Country’s Economic Situation. This document, produced up until 2012, made it possible to extrapolate the historical series of coordinated data flows on health expenditure, but as to the resumption of production of these flows the Ministry for the Economy and Finance continues to give no indication. The new historical data in use this year for the period 2012-2016, already slightly corrected for some values starting in 2009, is still suffering from the interruption encountered in 2012, and because the definition of the different healthcare spending components adopted by the sources used for 2013 – Court of Auditors and Agenas – criteria may not fully correspond to the data from previous years.

Total public spending for the area of hospitalizations is estimated at just over EUR 63 billion for 2016, compared to EUR 62.3 billion a year earlier (with a 1.2% increase) (Table S/69).

Within this financing aggregate, the amount assigned to the activity of private hospitals (accredited healthcare facilities) was EUR 4.3 billion, equal to 6.9% of total public hospital expenditure; an incidence confirmed over the last few years after the constant decrease from the 8.4% registered in 2000, as a direct consequence also of the effects of the spending review measure (Law 135/12) described in previous editions of this Report and of the subsequent penalizing measures to contain health care spending.

The representation at constant prices of spending levels (Table S/70) again this year follows the determination of the calculation based on the GDP

deflator of the ISTAT series chained to 2010; the change in total public hospital spending between the base year and 2016 is thus equal to -2.8%, a less marked decrease compared to that recorded by total healthcare spending (-4.8%). In the same period, on the other hand, spending for private hospitals (accredited healthcare facilities) experienced, in real terms, a more marked reduction (-8.6%), above all due to the cuts in the fees paid in this area (both in terms of fee levels and budgeting). The generally unfavorable trend of spending data at constant prices, however, was influenced by the value of real GDP, according to the estimates confirmed once again in the DEF 2018, in fact, the indicator of national wealth reversed its negative trend starting only in 2015, recording a decrease of -1.8% compared to 2010.

4.2. Health expenditure comparisons

The updated October 2018 edition of OECD “Health Data” allows us to construct the usual framework for comparing health care spending within the group of 24 of the largest member countries of the organization. Table S/71 shows those most commonly indicators used by industry analysts: the incidence of total health expenditure and of public health expenditure compared to GDP.

In 2016, the propensity for the gradual decline in resources in terms of GDP assigned to the NHS continues to be seen for Italy, thereby accentuating the gap accumulated over time compared to the average for both OECD Europe countries and those of the G7 group (6.7% compared to 7.2% and 9.1%, respectively). A trend whose transience is officially denied by the forecast data of the latest version of the Economy and Finance Document produced by the Ministry of Economy and Finance and released as an update memorandum last October, data that would, in the absence of subsequent adjustments, direct the spending curve – GDP towards a value of 6.4% in 2020. This is a value dramatically distant from that of countries like France and Germany with which we should easily be able to compare ourselves due to economic and cultural similarities.

Even in terms of total health expenditure, Italy shows a ratio to GDP below the average of the G7 countries (8.9% compared to 11.4%), still remaining below the average of OECD Europe (which is 9.4%).

The almost invariant trend in the three-year period 2014-2016 for Italian health care spending, which fell slightly to 8.9% according to the OECD, shows that, faced with the progressive decrease in public spending, a significant part of health needs is financed directly by the citizens or through old

and new forms of intermediation, circumstance which are confirmed in the specific caregiver survey referred to in Part Three of the 2017 Report. Again in terms of total health expenditure, Italy is still below the 2016 values of the most industrialized countries, the United States, France, Germany and Canada (which present values of 17.1%, 11.5%, 11.1% and 10.5%, respectively). And similarly, although with different relative positions, this is true for the first three countries mentioned also with regard to public healthcare spending.

Thus, despite expectations for renewed attention to be paid to the subject of financing of the National Health Service in this new political phase, the downsizing of Italy's commitment compared to the major Western countries in terms of its use of health resources in relationship to the wealth produced is reaffirmed. As is the prospect of a renewed progressive and creeping defunding, which may make our health care system slip into a new dimension defined as "selective universal care", within which new tools still in the planning phase and that relate to the so-called "Second pillar", might, according to some trains of thought, allow for renewed overall sustainability. The slight adjustments to the current values of the health fund included in the DEF, which bring the funding for 2018 to 116.3 billion, will not allow for the introduction of new resources intended to reduce the critical issues in terms of access to care, but will be rather more realistically absorbed by the additional charges (1.3 billion) linked to the renewal of employment contracts and the fulfillment of obligations relating to basic levels of assistance, especially in the area of high-cost drugs for cancer and hepatitis C.

Finally, if we consider in particular the amount of health care expenditure allocated to hospital activities provided on behalf of the NHS by public institutions and by the accredited private ones (Tab. S/72), again with reference to the year 2016, it can be noted that for Italy:

- has a higher proportion (57.8%) of total public healthcare spending compared to the average for the G7 countries (44.2%), and compared to that of European OECD countries (45.5%);
- has a GDP spending ratio slightly above the average of the G7 countries and the European OECD countries (3.5% and 3.2%, respectively).

Table S/69 – Current health spending, Years 2012-2016 (in billions of euro)

| | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|---------|---------|---------|---------|---------|
| Public hospital facilities | 53.074 | 52.244 | 52.744 | 53.847 | 54.566 |
| Accredited hospitals | 8.659 | 8.255 | 8.425 | 8.466 | 8.484 |
| including: private hospitals (accredited healthcare facilities) | 4.471 | 4.263 | 4.289 | 4.335 | 4.351 |
| Total public hospital system expenditure | 61.733 | 60.499 | 61.169 | 62.313 | 63.050 |
| Other expenditure features | 51.950 | 51.185 | 51.504 | 50.354 | 50.681 |
| Total public healthcare expenditure | 113.683 | 111.684 | 112.673 | 112.667 | 113.731 |

(*) In the “General Report on Italy’s economic situation” (RGE), in 2012, there was a further update of the time series data on spending, but this series however experienced a break due to the uncertainty of the continuity of its publication by the RGE in the future. For 2013, 2014 and 2015 the expenditure figures were taken from the 2015, 2016 and 2017 Report on the coordination of public finance by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Source: data processed by *Ermeneta* from the “General Report on Italy’s economic situation”, 2012, Vol. II, from the 2015, 2016 and 2017 “Report on the coordination of public finance” by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Table S/70 – Healthcare expenditure at constant prices (*), Years 2012-2016 (in billions of euro)

| | 2012 | 2013 | 2014 | 2015 | 2016 |
|---|---------|---------|---------|---------|---------|
| Public hospital facilities | 51.594 | 50.179 | 50.178 | 50.754 | 50.861 |
| Accredited hospitals | 8.418 | 7.929 | 8.015 | 7.980 | 7.908 |
| including: private hospitals (accredited healthcare facilities) | 4.346 | 4.094 | 4.080 | 4.086 | 4.056 |
| Total public hospital system expenditure | 60.011 | 58.108 | 58.193 | 58.734 | 58.769 |
| Other expenditure features | 50.501 | 49.162 | 48.998 | 47.461 | 47.240 |
| Total public healthcare expenditure | 110.513 | 107.269 | 107.191 | 106.195 | 106.009 |

(*) GDP deflator calculated on the basis of the new ISTAT series in a chained series with reference to 2010.

Source: data processed by *Ermeneta* from the “General Report on Italy’s economic situation”, 2012, Vol. II, from the 2015, 2016 and 2017 “Report on the coordination of public finance” by the Court of Auditors and the Agenas Report on the monitoring of the spending of the Regions.

Table S/71 – Amount of total healthcare expenditure and public healthcare spending in relation to the GDP

| % Values | Total healthcare expenditure | | | Public healthcare expenditure | | |
|--|------------------------------|------------|------------|-------------------------------|------------|------------|
| | 2014 | 2015 | 2016 | 2014 | 2015 | 2016 |
| United States | 16.5 | 16.8 | 17.1 | 13.4 | 13.8 | 14.0 |
| Japan | 10.8 | 10.9 | 10.8 | 9.1 | 9.1 | 9.1 |
| Germany | 11.0 | 11.1 | 11.1 | 9.2 | 9.3 | 9.4 |
| France | 11.6 | 11.5 | 11.5 | 8.9 | 8.8 | 9.6 |
| Italy | 9.0 | 9.0 | 8.9 | 6.8 | 6.7 | 6.7 |
| United Kingdom | 9.7 | 9.8 | 9.8 | 7.7 | 7.8 | 7.8 |
| Canada | 10.0 | 10.4 | 10.5 | 7.0 | 7.3 | 7.4 |
| Average of G7 countries (*) | 11.2 | 11.4 | 11.4 | 8.9 | 9.0 | 9.1 |
| Australia | 9.1 | 9.3 | 9.3 | 6.1 | 6.4 | 6.3 |
| Austria | 10.4 | 10.3 | 10.4 | 7.7 | 7.7 | 7.7 |
| Belgium | 10.3 | 10.1 | 10.0 | 8.1 | 7.9 | 7.9 |
| Denmark | 10.2 | 10.3 | 10.4 | 8.6 | 8.6 | 8.7 |
| Finland | 9.5 | 9.7 | 9.5 | 7.1 | 7.3 | 7.1 |
| Greece | 8.0 | 8.2 | 8.5 | 4.6 | 4.8 | 5.2 |
| Iceland | 8.5 | 8.3 | 8.3 | 6.8 | 6.7 | 6.8 |
| Ireland | 9.7 | 7.4 | 7.4 | 6.8 | 5.3 | 5.3 |
| Luxembourg | 6.4 | 6.2 | 6.2 | 5.3 | 5.1 | 5.0 |
| Holland | 10.9 | 10.4 | 10.4 | 8.8 | 8.4 | 8.4 |
| New Zealand | 9.4 | 9.3 | 9.2 | 7.5 | 7.4 | 7.3 |
| Norway | 9.3 | 10.1 | 10.5 | 8.0 | 8.6 | 8.9 |
| Portugal | 9.0 | 9.0 | 9.1 | 6.0 | 5.9 | 6.0 |
| Spain | 9.0 | 9.1 | 9.0 | 6.4 | 6.5 | 6.4 |
| Sweden | 11.1 | 11.0 | 10.9 | 9.3 | 9.2 | 9.1 |
| Switzerland | 11.5 | 11.9 | 12.2 | 7.3 | 7.5 | 7.7 |
| Turkey | 4.3 | 4.1 | 4.3 | 3.4 | 3.2 | 3.4 |
| Average of European OECD countries (*) | 9.4 | 9.3 | 9.4 | 7.2 | 7.1 | 7.2 |
| Average of all OECD countries (*) | 9.8 | 9.8 | 9.8 | 7.5 | 7.5 | 7.6 |

(*) Averages are calculated as unweighted arithmetic means.

Source: *Ermeneia processing of "OECD Health Data 2018", OECD, Paris, November 2018*

Table S/72 – Public and accredited hospital expenditure in relation to the public healthcare spending and the GDP

| % Values | Public and accredited hospital expenditure / Total public healthcare spending | | | | | |
|--|---|-------------|-------------|--|------------|------------|
| | Public and accredited hospital expenditure / Total public healthcare spending | | | Public and accredited hospital expenditure/GDP | | |
| | 2014 | 2015 | 2016 | 2014 | 2015 | 2016 |
| United States | 36.6 | 36.2 | - | 3.0 | 3.0 | - |
| Japan | 44.0 | 43.4 | - | 4.0 | 4.0 | - |
| Germany | 33.5 | 33.2 | 33.1 | 3.1 | 3.1 | 3.1 |
| France | 46.4 | 46.4 | 43.9 | 4.1 | 4.1 | 4.2 |
| Italy | 57.0 | 57.2 | 57.8 | 3.9 | 3.8 | 3.8 |
| United Kingdom | 47.7 | 48.4 | 48.5 | 3.7 | 3.8 | 3.8 |
| Canada | 38.9 | 37.9 | 37.5 | 2.7 | 2.8 | 2.8 |
| Average of G7 countries (*) | 43.4 | 43.2 | 44.2 | 3.5 | 3.5 | 3.5 |
| Australia | 50.9 | 50.7 | - | 3.1 | 3.2 | - |
| Austria | 46.7 | 46.4 | 46.9 | 3.6 | 3.6 | 3.6 |
| Belgium | 33.5 | 35.1 | 34.5 | 2.7 | 2.8 | 2.7 |
| Denmark | 49.7 | 49.6 | 49.5 | 4.3 | 4.3 | 4.3 |
| Finland | 41.5 | 42.7 | 43.5 | 2.9 | 3.1 | 3.1 |
| Greece | 50.4 | 47.7 | 48.5 | 2.3 | 2.3 | 2.5 |
| Iceland | 46.9 | 47.0 | 46.9 | 3.2 | 3.2 | 3.2 |
| Ireland | 35.2 | 35.1 | 35.5 | 2.4 | 1.9 | 1.9 |
| Luxembourg | 35.9 | 34.8 | 34.4 | 1.9 | 1.8 | 1.7 |
| Holland | 39.1 | 39.2 | 39.2 | 3.4 | 3.3 | 3.3 |
| New Zealand | - | - | - | - | - | - |
| Norway | 45.4 | 46.3 | 45.9 | 3.6 | 4.0 | 4.1 |
| Portugal | 54.1 | 54.2 | 54.9 | 3.2 | 3.2 | 3.3 |
| Spain | 55.3 | 56.3 | 56.0 | 3.5 | 3.7 | 3.6 |
| Sweden | 45.4 | 45.1 | 45.4 | 4.2 | 4.1 | 4.1 |
| Switzerland | 44.7 | 44.7 | 44.2 | 3.2 | 3.4 | 3.4 |
| Turkey | 54.5 | 54.9 | 55.6 | 1.8 | 1.8 | 1.9 |
| Average of European OECD countries (*) | 45.4 | 45.5 | 45.5 | 3.2 | 3.2 | 3.2 |
| Average of all OECD countries (*) | 44.9 | 44.9 | 45.1 | 3.2 | 3.2 | 3.2 |

(*) Averages are calculated as unweighted arithmetic means.

Source: *Ermeneia processing of "OECD Health Data 2018", OECD, Paris, November 2018*

Appendices

1. Methods applied

As is usual, different evaluation methods were used in the preparation of the 2018 Report.

The first method used is that of identifying and commenting upon some key phenomena of the last twelve months and placing them in the first part of this Report.

More specifically, the following phenomena were examined:

- a) the average performance levels of services even in the presence of signs of their deterioration in the perception of citizens and users, and keeping in mind the trend, in short, of the indicators of the complexity of the services provided, of the first results (after a trial period) of the level of effectiveness of the treatments, with reference to the data of the National Outcome Plan, to which was added the reference to the topic of the resources available for the National Health Services which highlights a permanent underfunding phenomenon compared to other countries;
- b) the phenomenon of the “funnel” represented by waiting lists that have been analyzed in various aspects both with reference to access to local health services and with reference to admission to hospitals, and with reactions to behaviors, opinions and assessments provided by users through a topical survey;
- c) the set of phenomena that have to do with access to Emergency Room services and related problems that may arise at the time of admission, assignment of an emergency code and the gradual performance of visits, any in-depth examinations in terms of tests and check-ups, and then the reporting of user reactions through opinions, behaviors and assessments given through a topical survey;
- d) the monitoring of the efficiency of the hospital system through an examination of the Income Statements of the public Hospital Centers and the highlighting of the evolution of any “anomalies” that might suggest the

possibility of implicit budget covering, with the consequent projection on overall public hospital expenditure of these levels of inefficiency.

As regards the examination of the Income Statements and the identification of any areas of inefficiency, we started from the reference data of 34 Hospital Centers (the same as last year) for the year 2017, in order to ascertain any potential “anomalies” it may have contained. More precisely:

- 1) the fundamental items of the aforementioned 34 Hospital Centers (Revenues, Costs, Operating Results) present in the Income Statements were updated to the fiscal year 2017, thus completing the data used in last year’s Report covering the period 2013-2016. Table App. 1 below shows the items of the Income Statements for the individual Hospital Centers, grouping the results by the Regions they belong to and by the territorial areas of reference.

It should be pointed out that the 34 Hospital Centers represent 77.0% of the national total of 46 units (net of those of the Regions mentioned below). The territorial distribution is fairly well balanced between the North (13 units), the Center (7 units) and the South (14 units).

Not all of the Hospital Centers that were examined in the 2016 Report were used this time, as Lombardy (with 29 Hospital Centers) has changed its organizational system, incorporating territorial-type activities within the Centers. This has also been the case for some specific Centers in the Region of Friuli Venezia Giulia (1 unit) and the Region of Sardinia (1 unit);

- 2) four types of comparisons were then carried out, similar to those already used in the previous Report but with the addition of the 2017 operating data in absolute value, then reworked in the form of Index Numbers (as per Table App. 2) and in the percentage composition of the sub-items (as per Table App. 3).

It was thus possible to verify:

- the trend of the number of admissions compared to the trend of revenues from healthcare services and social health services;
- the trend in the number of admissions and the trend in costs for the purchase of goods and services;
- the trend in revenues from “by-function” activities, taking into account the percentage of such revenues out of those deriving from healthcare services and from co-payment charges, but also calculating the impact assessed on the basis of the mechanism envisaged by the Ministerial Decree implementing Art. 1, paragraph 526 of the 2016 Stability Law, starting from Art. 8-sexies of Legislative Decree 502/1992 and subse-

quent amendments. The Decree states that “the total amount of payment for “by-function” activities may not in any case exceed 30% of the already assigned payment limit”. Please also note that the 2016 Income Statements of the Hospital Centers were already able to incorporate this provision, while directly managed Hospitals should have begun to incorporate it starting in 2017 (but this extension was suspended);

- and lastly, the trend of the incidence of the operating results over the last five years on the total revenues from health care services + the revenues from co-payment charges.

The commentary on the four trends just mentioned may be found in Section 4.1 of Part One;

- 3) in conclusion, it was also desired to further the comparison between the “real” data of the Income Statements and the “virtual” data reconstructed for the “by-function” activities, because it was intended to proceed with an updated simulation according to the methods also used in the Report 2017, in order to verify the impact of the possible consequences of the application of the implementing Ministerial Decree, cited in point 2) above, taking into account three possible flat-rate compensation schemes for the 34 public Hospital Centers examined. Based on this projection, the values derived from a second projection on directly managed Hospitals were also estimated.

In concrete terms we proceeded through the following phases:

- a) first of all, the theoretical amount of “by-function” activities exceeding the three rates, i.e. 20%, 25% and 30% was valued and calculated according to the formula set out in the aforementioned Ministerial Decree, on total revenues from health care services + co-payment charges. Then the total was compared with the “real” value of the “by-function” activities shown on the 2017 Income Statements, to which the actual results for the fiscal year 2017 were totaled algebraically: the purpose was to identify an initial “differentiation” of the values within which to place the potential irregular extra-revenues, as these cover the “by-function” activities too generously and because it was also necessary to take into account the operating losses which are nevertheless borne by State debt;
- b) the tables in App. 4, App. 5, and App. 6 were thus prepared, and show the comparison between the value of the “by-function” activities as shown on the 2017 Income Statements with the value of the “by-function” activities calculated on the basis of the Ministerial Decree ac-

ording to the three maximum schemes of 30%, 25%, and 20%. Furthermore, the difference between these two values added algebraically to the operating results makes it possible to define the “differentiation” referred to. The summary of the three aforementioned tables was then reported (as Table 25) in Section 4.2 of Part One.

At this point we proceeded to a simulation of the irregular extra-revenues with reference to all the Italian Hospital Centers and then to all the directly managed Hospitals. Specifically, we started from the “differentiation” of the extra-revenues mentioned above, respectively based on:

- a maximum compensation scheme of 30% (theoretical) for “by-function” activities, which obviously generates a minimum difference with respect to the values of the same “by-function” activities shown on the 2017 Income Statements, which is equal to EUR 802 million, including operating losses (see Table App. 4);
- and a minimum compensation scheme of 20% (theoretical) for “by-function” activities, which, on the contrary, generates a maximum difference compared to the values shown in the Income Statements, which is equal to EUR 1.440 million, including operating losses (see Table App. 6).

Thus, it is possible to reconstruct an overall estimate of the theoretical extra-revenues present in the public hospital system by proceeding as follows:

- | | |
|--|--------------------------|
| a) considering the gap of extra-revenues of the 34 Hospital Centers examined, which is included in the differentiation mentioned and equal to | EUR 802- 1,440 mil. |
| b) to this is added the estimate for the remaining 10 Hospital Centers, for which a proportional calculation is envisaged starting from the extreme values of the above differentiation, totaling | EUR 236- 424 mil. |
| c) at this point the total of the extra-revenues of the 44 Hospital Centers (net of the 29 former Centers in Lombardy and the 2 Centers in Friuli VG and Sardinia) would be equal to | EUR 1,038- 1,864 mil. |
| d) if the estimate, even in rough numbers, is then extended to the directly managed Hospitals that at present also include the 29 former Hospital Centers in Lombardy as well as the 2 in Friuli Venezia Giulia and Sardinia that have integrated activ- | |

ities previously associated with local health authorities, one can create a scenario for assigning the same overall amount of extra-revenues calculated for the Hospital Centers, because the total public expenditure for the Hospital Centers is only a little less than the expenditure for directly managed Hospitals. Of course, this scenario appears to be quite “generous” as the level of efficiency of the directly managed Hospitals is probably lower than that of the Hospital Centers as a whole (apart from the 29 former Hospital Centers in Lombardy). At this point the value is

EUR 1,038-
1,864 mil.

- e) at this point the total estimate of the extra-revenues of the entire public hospital system would be equal to

EUR 2,076-
3,728 mil.

However, the estimate of the theoretical extra-revenues, calculated only as *surplus* compared to the theoretical calculation of 20% -30% could, according to the logic of the Ministerial Decree, be corrected upwards if we consider that:

- the 20% recognized for “by-function” activities on the basis of the provisions of the Ministerial Decree corresponds in reality to about 25% (i.e. on the items of revenues from health care services + co-payment charges), and in this regard one side of the differentiation gap could reasonably be estimated as 20%;
- and the 30% recognized for “by-function” activities on the basis of the provisions of the Ministerial Decree corresponds to approximately 44% in reality (applied to revenues from health services + co-payment charges), and in this regard the second side of the differentiation gap could be reasonably estimated as 30%.

Naturally, all this would involve taking into account the augmentation of the operating losses or the surfacing of the latter in the event that the closure of the budgets of the Hospital Centers results balanced, but it would be necessary to proceed with an accurate examination of each Hospital Center.

The result of the estimates made so far is taken up and commented on in Section 4.2 of Part One.

Table App. 1 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (in thousands of euros)

| Hospital Centers and University Hospital | Impatient admissions and day-hospital admissions | | | | | | Revenues from healthcare services and health-related social health services as per the IS (Cod. A0320) (2) | | | | | | Revenues from co-payment charges and specialist services as per the IS (Cod. A940) | | | | | |
|--|--|------------------|------------------|------------------|------------------|------------------|--|------------------|------------------|------------------|------------------|----------------|--|----------------|----------------|---------------|------|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C. 1 | 19,239 | 18,300 | 17,050 | 16,800 | 16,716 | 106,572 | 104,135 | 107,649 | 108,473 | 106,711 | 106,711 | 2,601 | 2,511 | 2,615 | 2,659 | 2,033 | | |
| H.C. 2 | 29,200 | 28,500 | 32,500 | 28,500 | 32,807 | 181,948 | 183,365 | 190,873 | 193,457 | 196,411 | 196,411 | 6,534 | 6,900 | 6,564 | 5,908 | 5,667 | | |
| H.C. 3 | 28,700 | 27,500 | 27,500 | 27,500 | 27,213 | 174,924 | 168,874 | 174,785 | 179,357 | 181,174 | 181,174 | 5,443 | 5,227 | 5,067 | 5,007 | 5,084 | | |
| H.C. 4 | 26,000 | 25,100 | 25,600 | 25,500 | 25,430 | 153,780 | 149,070 | 154,878 | 162,387 | 165,300 | 165,300 | 3,536 | 3,142 | 3,297 | 3,273 | 3,250 | | |
| H.C. 5 | 22,200 | 22,900 | 22,900 | 21,000 | 22,880 | 125,885 | 119,436 | 119,526 | 124,437 | 129,536 | 129,536 | 4,035 | 4,039 | 3,862 | 3,738 | 3,597 | | |
| H.C. 6 | 100,070 | 84,150 | 95,050 | 94,800 | 94,326 | 540,499 | 529,186 | 542,128 | 540,077 | 537,753 | 540,077 | 13,454 | 15,181 | 13,454 | 12,178 | 12,072 | | |
| Piedmont Total | 226,509 | 205,450 | 220,600 | 214,000 | 228,308 | 1,289,859 | 1,289,859 | 1,308,202 | 1,316,685 | 1,316,685 | 36,599 | 37,000 | 34,859 | 32,363 | 31,603 | | | |
| H.C. 7 (8) | 53,080 | 52,360 | 57,100 | 55,950 | 58,762 | 420,359 | 411,834 | 417,531 | 419,487 | 441,893 | 441,893 | 8,663 | 8,821 | 8,635 | 8,373 | 10,847 | | |
| H.C. 8 | 51,500 | 51,960 | 59,260 | 64,535 | 64,622 | 394,020 | 401,961 | 429,078 | 443,432 | 458,691 | 458,691 | 6,541 | 6,800 | 6,974 | 7,510 | 9,804 | | |
| Veneto total | 104,580 | 104,320 | 116,360 | 129,065 | 123,277 | 814,979 | 813,795 | 846,609 | 862,919 | 906,584 | 906,584 | 15,204 | 15,621 | 15,609 | 15,883 | 20,651 | | |
| H.C. 9 | 47,960 | 47,438 | 47,438 | 47,204 | 49,456 | 293,863 | 299,822 | 303,984 | 305,869 | 306,399 | 306,399 | 6,669 | 6,889 | 6,739 | 6,994 | 6,431 | | |
| H.C. 10 | 38,412 | 37,511 | 37,126 | 36,862 | 36,862 | 235,358 | 237,076 | 237,684 | 239,051 | 239,051 | 8,767 | 9,326 | 9,051 | 7,971 | 7,971 | | | |
| H.C. 11 | 33,693 | 32,574 | 32,198 | 31,680 | 31,680 | 206,473 | 205,873 | 206,136 | 205,278 | 204,698 | 204,698 | 3,138 | 3,152 | 3,255 | 3,849 | 5,066 | | |
| H.C. 12 | 69,833 | 68,374 | 67,884 | 68,736 | 68,392 | 427,878 | 432,141 | 434,604 | 445,592 | 457,158 | 457,158 | 7,777 | 7,393 | 6,805 | 7,103 | 7,846 | | |
| H.C. 13 | 32,497 | 32,104 | 31,609 | 31,289 | 31,133 | 199,118 | 202,904 | 203,645 | 202,949 | 208,151 | 208,151 | 6,094 | 6,129 | 6,085 | 6,043 | 5,706 | | |
| E. Romagna Total (9) | 553,489 | 527,771 | 553,550 | 550,256 | 569,692 | 3,460,777 | 3,445,677 | 3,526,063 | 3,538,457 | 3,538,457 | 82,445 | 82,445 | 82,445 | 83,510 | 83,517 | | | |
| North Italy Total | 202,200 | 194,499 | 166,999 | 154,169 | 151,947 | 985,639 | 969,004 | 1,005,137 | 1,002,384 | 1,025,468 | 1,025,468 | 30,586 | 30,586 | 28,443 | 27,468 | 25,211 | | |
| H.C. 14 (8) | 26,792 | 26,611 | 25,237 | 24,678 | 24,555 | 151,700 | 144,679 | 141,250 | 145,348 | 160,829 | 160,829 | 3,286 | 3,186 | 3,364 | 3,607 | 3,729 | | |
| H.C. 15 (8) | 49,178 | 47,919 | 46,033 | 46,122 | 45,891 | 278,445 | 260,532 | 257,758 | 271,644 | 281,848 | 281,848 | 4,504 | 4,422 | 4,318 | 4,437 | 4,441 | | |
| Marche Total | 75,970 | 74,530 | 71,290 | 70,800 | 70,446 | 430,145 | 405,211 | 399,008 | 416,992 | 442,677 | 442,677 | 7,700 | 7,608 | 7,682 | 8,044 | 8,170 | | |
| H.C. 16 | 49,610 | 47,922 | 38,706 | 34,599 | 38,592 | 241,829 | 238,751 | 235,965 | 224,193 | 224,616 | 224,616 | 6,418 | 6,222 | 5,336 | 4,743 | 4,119 | | |
| H.C. 17 | 25,459 | 23,227 | 21,884 | 19,783 | 19,684 | 124,100 | 115,718 | 117,118 | 128,192 | 128,269 | 128,269 | 3,515 | 3,370 | 3,179 | 2,980 | 2,720 | | |
| H.C. 18 | 65,373 | 61,261 | 52,344 | 48,843 | 48,599 | 318,664 | 305,205 | 315,050 | 316,490 | 324,679 | 324,679 | 11,307 | 10,950 | 10,188 | 10,386 | 10,060 | | |
| H.C. 19 | 27,172 | 26,600 | 22,793 | 21,177 | 21,071 | 132,453 | 132,524 | 137,186 | 140,622 | 148,428 | 148,428 | 4,760 | 4,464 | 4,168 | 4,146 | 3,784 | | |
| H.C. 20 | 34,886 | 35,489 | 31,272 | 29,767 | 24,001 | 168,593 | 176,806 | 188,218 | 192,885 | 199,476 | 199,476 | 6,009 | 5,580 | 5,572 | 5,213 | 4,528 | | |
| Lazio Total | 202,200 | 194,499 | 166,999 | 154,169 | 151,947 | 985,639 | 969,004 | 1,005,137 | 1,002,384 | 1,025,468 | 1,025,468 | 30,586 | 30,586 | 28,443 | 27,468 | 25,211 | | |
| Central Italy Total | 278,770 | 269,029 | 238,289 | 224,969 | 222,393 | 1,415,784 | 1,374,215 | 1,404,145 | 1,419,376 | 1,468,145 | 1,468,145 | 39,799 | 38,194 | 36,125 | 35,512 | 33,381 | | |
| H.C. 21 (8) | 74,633 | 70,926 | 66,659 | 66,300 | 65,969 | 299,652 | 305,360 | 313,733 | 298,153 | 283,993 | 283,993 | 5,989 | 5,708 | 5,675 | 5,459 | 4,899 | | |
| H.C. 22 | 38,194 | 36,511 | 36,019 | 36,019 | 36,019 | 164,363 | 164,439 | 173,831 | 162,790 | 171,709 | 171,709 | 2,820 | 2,806 | 2,793 | 2,637 | 2,637 | | |
| Apulia total | 115,770 | 109,120 | 102,500 | 102,500 | 102,500 | 464,015 | 469,799 | 497,104 | 460,943 | 454,202 | 454,202 | 8,809 | 8,574 | 8,468 | 7,906 | 7,556 | | |
| H.C. 23 | 28,168 | 26,527 | 26,083 | 28,213 | 28,072 | 98,057 | 95,238 | 95,012 | 96,652 | 117,375 | 118,268 | 2,042 | 2,054 | 1,849 | 2,036 | 1,945 | | |
| H.C. 24 (8) | 27,294 | 25,989 | 25,746 | 24,277 | 24,156 | 95,012 | 95,238 | 95,012 | 101,620 | 110,520 | 110,520 | 2,760 | 2,332 | 2,451 | 2,510 | 2,338 | | |
| H.C. 25 | 10,305 | 9,830 | 9,869 | 9,855 | 9,871 | 35,871 | 34,988 | 34,988 | 46,927 | 58,102 | 58,102 | 1,610 | 1,560 | 1,508 | 1,564 | 1,387 | | |
| H.C. 26 | 27,173 | 25,554 | 25,022 | 23,556 | 23,556 | 94,593 | 93,643 | 92,720 | 103,693 | 111,982 | 111,982 | 1,836 | 1,694 | 1,695 | 1,502 | 1,387 | | |
| Calabria Total | 92,940 | 87,900 | 86,220 | 85,901 | 85,471 | 322,173 | 322,173 | 369,515 | 398,975 | 398,975 | 7,966 | 7,690 | 7,555 | 7,536 | 7,234 | | | |
| H.C. 27 | 25,812 | 21,525 | 20,377 | 22,009 | 21,243 | 117,627 | 113,251 | 113,251 | 121,030 | 131,098 | 131,098 | 1,464 | 1,380 | 1,366 | 1,404 | 1,554 | | |
| H.C. 28 | 34,120 | 28,738 | 27,531 | 32,213 | 32,052 | 155,528 | 151,207 | 161,836 | 177,138 | 176,793 | 176,793 | 2,430 | 2,303 | 2,333 | 2,315 | 2,333 | | |
| H.C. 29 | 46,868 | 40,938 | 39,600 | 44,207 | 43,986 | 214,039 | 215,396 | 236,698 | 243,093 | 238,783 | 238,783 | 4,428 | 3,979 | 3,944 | 3,917 | 3,586 | | |
| H.C. 30 | 15,211 | 16,918 | 15,211 | 16,918 | 16,918 | 90,768 | 87,012 | 90,324 | 96,324 | 90,269 | 90,269 | 1,231 | 1,237 | 1,237 | 1,161 | 995 | | |
| H.C. 31 | 25,948 | 23,380 | 23,242 | 26,679 | 26,534 | 118,246 | 123,015 | 138,017 | 146,708 | 144,996 | 144,996 | 2,529 | 2,466 | 2,479 | 2,371 | 2,296 | | |
| H.C. 32 | 34,593 | 29,411 | 27,965 | 27,188 | 27,052 | 157,644 | 154,744 | 166,061 | 174,053 | 174,303 | 174,303 | 2,033 | 1,983 | 1,873 | 1,744 | 1,838 | | |
| H.C. 33 | 35,437 | 30,527 | 27,117 | 31,202 | 31,046 | 161,492 | 160,615 | 161,024 | 171,581 | 167,388 | 167,388 | 2,084 | 1,890 | 1,749 | 1,736 | 1,633 | | |
| H.C. 34 (8) | 26,636 | 23,048 | 23,775 | 30,372 | 30,150 | 121,383 | 121,264 | 141,180 | 166,466 | 155,068 | 155,068 | 1,884 | 1,806 | 1,754 | 1,715 | 1,722 | | |
| Sicily Total | 249,441 | 214,105 | 205,078 | 230,688 | 228,908 | 1,136,727 | 1,126,504 | 1,211,794 | 1,293,103 | 1,283,698 | 1,283,698 | 18,104 | 17,400 | 16,735 | 16,383 | 15,957 | | |
| South Italy Total | 457,951 | 411,125 | 394,968 | 419,089 | 416,367 | 1,924,275 | 1,918,420 | 2,058,733 | 2,123,561 | 2,132,377 | 2,132,377 | 34,879 | 33,244 | 32,528 | 30,945 | 30,747 | | |
| Grand Total | 1,289,610 | 1,207,925 | 1,186,807 | 1,194,314 | 1,208,452 | 6,800,836 | 6,738,312 | 7,112,397 | 7,355,248 | 7,555,248 | 158,922 | 156,948 | 151,286 | 146,463 | 149,699 | | | |

(Continued) Table App. 1 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (in thousands of euros)

| Hospital Centers and University Hospital Centers | Transfer revenues for "by-function" activities reported on the IS (Cod. AA030) | | | | | | | | | | | Total Revenues as per the IS (Cod. AZ999) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Other revenues as per the IS (3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 1 | 36,673 | 31,600 | 34,500 | 40,908 | 41,647 | 7,707 | 8,909 | 10,756 | 11,843 | 14,590 | 153,553 | 147,155 | 155,520 | 163,793 | 164,981 | H.C. 2 | 64,002 | 66,200 | 74,041 | 89,816 | 67,365 | 10,563 | 10,730 | 14,850 | 14,151 | 49,751 | 263,047 | 267,105 | 286,328 | 303,036 | 319,084 | H.C. 3 | 48,028 | 48,500 | 49,400 | 53,977 | 55,340 | 8,228 | 7,249 | 9,277 | 7,714 | 7,555 | 236,121 | 220,850 | 238,529 | 246,053 | 249,153 | H.C. 4 | 62,321 | 60,010 | 65,400 | 72,369 | 75,350 | 8,343 | 8,400 | 9,790 | 9,364 | 8,500 | 227,780 | 220,622 | 233,365 | 247,993 | 252,400 | H.C. 5 | 37,884 | 42,438 | 42,560 | 51,755 | 46,076 | 7,635 | 3,023 | 5,331 | 5,442 | 8,473 | 175,439 | 169,836 | 171,079 | 185,272 | 187,502 | H.C. 6 | 366,810 | 357,400 | 362,282 | 369,228 | 394,630 | 80,607 | 75,454 | 94,942 | 94,845 | 63,887 | 1,002,564 | 975,221 | 1,016,328 | 1,008,322 | 1,008,522 | Piedmont Total | 675,778 | 678,983 | 680,448 | 720,010 | 720,010 | 42,946 | -6,708 | 17,972 | -11,858 | 32,525 | 566,177 | 552,840 | 590,527 | 581,423 | 2,181,452 | H.C. 7 (8) | 94,209 | 138,893 | 136,414 | 165,424 | 171,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | H.C. 8 | 97,171 | 107,648 | 120,392 | 121,234 | 121,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | Liguria total | 191,380 | 246,541 | 256,806 | 287,665 | 292,468 | 58,656 | 4,261 | 27,319 | 6,100 | 49,236 | 1,000,216 | 1,000,216 | 1,156,343 | 1,171,257 | 1,212,514 | H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 |
| Piedmont Total | 675,778 | 678,983 | 680,448 | 720,010 | 720,010 | 42,946 | -6,708 | 17,972 | -11,858 | 32,525 | 566,177 | 552,840 | 590,527 | 581,423 | 2,181,452 | H.C. 7 (8) | 94,209 | 138,893 | 136,414 | 165,424 | 171,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | H.C. 8 | 97,171 | 107,648 | 120,392 | 121,234 | 121,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | Liguria total | 191,380 | 246,541 | 256,806 | 287,665 | 292,468 | 58,656 | 4,261 | 27,319 | 6,100 | 49,236 | 1,000,216 | 1,000,216 | 1,156,343 | 1,171,257 | 1,212,514 | H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 7 (8) | 94,209 | 138,893 | 136,414 | 165,424 | 171,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | H.C. 8 | 97,171 | 107,648 | 120,392 | 121,234 | 121,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | Liguria total | 191,380 | 246,541 | 256,806 | 287,665 | 292,468 | 58,656 | 4,261 | 27,319 | 6,100 | 49,236 | 1,000,216 | 1,000,216 | 1,156,343 | 1,171,257 | 1,212,514 | H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 8 | 97,171 | 107,648 | 120,392 | 121,234 | 121,234 | 171,010 | 10,969 | 9,347 | 17,958 | 31,118 | 154,042 | 322,378 | 575,791 | 590,134 | 607,239 | Liguria total | 191,380 | 246,541 | 256,806 | 287,665 | 292,468 | 58,656 | 4,261 | 27,319 | 6,100 | 49,236 | 1,000,216 | 1,000,216 | 1,156,343 | 1,171,257 | 1,212,514 | H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liguria total | 191,380 | 246,541 | 256,806 | 287,665 | 292,468 | 58,656 | 4,261 | 27,319 | 6,100 | 49,236 | 1,000,216 | 1,000,216 | 1,156,343 | 1,171,257 | 1,212,514 | H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 9 | 47,817 | 62,211 | 58,155 | 58,978 | 63,145 | 28,629 | 12,199 | 17,145 | 15,817 | 14,260 | 376,978 | 381,621 | 386,033 | 387,458 | 390,235 | H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 10 | 33,939 | 32,920 | 35,667 | 39,120 | 39,120 | 7,978 | 11,907 | 8,938 | 12,415 | 12,415 | 286,042 | 291,220 | 291,340 | 298,557 | 298,557 | H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 11 | 33,897 | 43,200 | 44,960 | 45,929 | 63,663 | 20,628 | 8,957 | 10,375 | 11,508 | 18,561 | 264,136 | 261,182 | 264,726 | 266,364 | 412,288 | H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 12 | 76,387 | 89,465 | 91,752 | 90,690 | 103,694 | 46,192 | 29,029 | 25,984 | 29,688 | 29,995 | 558,238 | 581,445 | 579,743 | 597,939 | 597,939 | H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 13 | 36,703 | 77,290 | 85,221 | 73,050 | 70,575 | 62,889 | 21,445 | 25,967 | 28,387 | 26,430 | 304,804 | 307,768 | 320,918 | 310,229 | 310,859 | E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E. Romagna Total (9) | 228,743 | 305,586 | 315,755 | 314,637 | 340,197 | 166,316 | 83,537 | 110,709 | 97,615 | 107,716 | 1,990,194 | 1,799,828 | 1,844,462 | 1,842,357 | 2,009,372 | North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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| North Italy Total | 1,035,841 | 1,158,275 | 1,210,544 | 1,279,345 | 1,248,055 | 348,055 | 282,974 | 246,974 | 317,160 | 492,912 | 5,098,432 | 5,175,785 | 5,403,698 | 5,403,698 | 5,403,698 | H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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| H.C. 14 (8) | 56,448 | 66,451 | 62,730 | 72,419 | 71,190 | 8,733 | 3,514 | 11,438 | 1,73 | -3,929 | 220,167 | 212,830 | 218,782 | 221,347 | 231,819 | H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 15 | 73,469 | 91,200 | 102,162 | 94,570 | 88,831 | 14,683 | 20,208 | 18,638 | 10,794 | 13,453 | 370,901 | 376,362 | 382,876 | 381,445 | 388,573 | Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marche Total | 129,717 | 157,651 | 164,892 | 166,989 | 160,021 | 23,416 | 23,722 | 30,076 | 10,967 | 9,524 | 591,068 | 594,192 | 601,658 | 602,992 | 620,392 | H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 16 | 60,354 | 69,983 | 53,605 | 46,153 | 49,027 | 24,450 | 15,140 | 18,058 | 15,875 | 15,399 | 333,051 | 330,098 | 309,964 | 290,966 | 293,161 | H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 17 | 21,465 | 30,429 | 20,918 | 17,432 | 16,244 | 18,157 | 17,360 | 20,947 | 29,177 | 15,534 | 167,235 | 166,877 | 176,762 | 177,781 | 162,767 | H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 18 | 95,541 | 106,828 | 85,192 | 81,914 | 81,444 | 31,871 | 29,370 | 30,508 | 38,406 | 24,373 | 457,383 | 452,353 | 440,938 | 447,196 | 440,536 | H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 19 | 19,436 | 23,952 | 20,043 | 18,632 | 18,618 | 17,193 | 14,761 | 14,351 | 13,984 | 20,361 | 173,842 | 175,701 | 175,748 | 177,384 | 191,191 | H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 20 | 31,207 | 35,118 | 34,016 | 33,981 | 38,947 | 7,965 | 7,426 | 9,887 | 8,324 | 8,975 | 213,774 | 224,930 | 237,693 | 240,403 | 251,926 | Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lazio Total | 228,001 | 266,312 | 213,774 | 198,112 | 204,280 | 99,636 | 84,057 | 93,571 | 105,766 | 84,642 | 1,345,285 | 1,349,959 | 1,341,105 | 1,333,730 | 1,339,601 | Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Central Italy Total | 357,718 | 423,963 | 378,666 | 365,101 | 364,301 | 123,052 | 107,779 | 123,827 | 116,733 | 94,116 | 1,936,353 | 1,944,151 | 1,942,763 | 1,936,722 | 1,959,937 | H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 21 (8) | 160,843 | 188,356 | 156,616 | 155,241 | 160,950 | 6,530 | 1,858 | 3,591 | 7,069 | 23,895 | 473,014 | 501,282 | 466,073 | 465,932 | 471,837 | H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 22 | 78,809 | 81,625 | 73,454 | 78,004 | 3,600 | 2,975 | 2,871 | 7,642 | 7,375 | 249,592 | 251,845 | 252,949 | 246,023 | 259,745 | Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apuulia total | 239,652 | 269,981 | 230,070 | 228,395 | 168,954 | 10,139 | 4,833 | -7,260 | 15,611 | 31,270 | 722,606 | 733,127 | 729,027 | 711,953 | 731,582 | H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 23 | 84,427 | 83,950 | 87,790 | 66,598 | 72,140 | 2,517 | 5,549 | 4,765 | 4,330 | 4,280 | 187,043 | 188,765 | 191,056 | 190,139 | 196,633 | H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 24 (8) | 67,476 | 66,200 | 66,222 | 58,416 | 43,626 | 4,165 | 6,454 | 12,201 | 6,109 | 5,438 | 69,213 | 170,224 | 176,279 | 168,555 | 162,027 | H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 25 | 14,849 | 14,349 | 22,888 | 17,594 | 12,731 | 5,969 | 9,588 | 4,996 | 6,952 | 65,229 | 57,952 | 54,550 | 54,550 | 84,212 | 84,212 | H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 26 | 63,996 | 63,996 | 58,681 | 58,579 | 59,323 | 4,415 | 8,886 | 12,708 | 6,822 | 5,760 | 164,590 | 165,119 | 165,804 | 170,596 | 178,452 | Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calabria Total | 230,748 | 228,495 | 213,137 | 206,241 | 202,683 | 23,828 | 26,658 | 39,262 | 22,257 | 22,420 | 586,075 | 585,160 | 587,689 | 605,609 | 621,324 | H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 27 | 63,525 | 67,430 | 67,494 | 67,685 | 74,659 | 6,084 | 11,715 | 5,580 | 10,339 | 8,203 | 188,700 | 194,076 | 195,444 | 199,501 | 199,501 | H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 28 | 71,728 | 74,643 | 75,078 | 74,643 | 75,078 | 8,684 | 4,172 | 8,629 | 7,239 | 10,125 | 238,370 | 238,366 | 249,091 | 257,200 | 263,810 | H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 29 | 136,862 | 139,702 | 145,198 | 142,094 | 128,190 | 27,166 | 32,415 | 19,009 | 14,562 | 16,383 | 382,315 | 391,492 | 404,849 | 403,666 | 386,942 | H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 30 | 79,450 | 103,931 | 88,302 | 79,646 | 65,797 | 5,143 | 5,524 | 3,641 | 7,606 | 11,621 | 176,683 | 197,698 | 183,504 | 181,447 | 168,682 | H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 31 | 57,588 | 57,620 | 54,844 | 54,525 | 51,581 | 6,450 | 5,042 | 3,505 | 6,174 | 3,887 | 185,093 | 188,143 | 198,845 | 209,778 | 212,710 | H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 32 | 117,156 | 131,790 | 122,478 | 109,141 | 106,019 | 13,994 | 5,403 | 4,157 | 8,624 | 18,700 | 290,827 | 295,922 | 294,569 | 293,562 | 300,870 | H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 33 | 146,799 | 167,800 | 165,573 | 149,380 | 130,427 | 23,346 | 19,446 | 20,861 | 36,292 | 39,298 | 333,721 | 349,571 | 349,207 | 359,626 | 338,746 | H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H.C. 34 (8) | 61,744 | 93,812 | 92,770 | 78,493 | 14,122 | -4,203 | -2,576 | 8,459 | 7,017 | 199,133 | 213,128 | 235,682 | 242,300 | 242,300 | 242,300 | Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sicily Total | 758,022 | 843,069 | 811,302 | 756,591 | 703,712 | 104,989 | 62,806 | 95,632 | 115,194 | 1,994,842 | 2,066,127 | 2,108,637 | 2,108,637 | 2,161,709 | 2,161,709 | South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Italy Total | 1,205,422 | 1,341,545 | 1,254,509 | 1,191,267 | 1,134,449 | 138,947 | 111,205 | 101,348 | 133,500 | 168,894 | 3,303,523 | 3,404,414 | 3,425,348 | 3,479,273 | 3,466,467 | Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Total | 2,598,981 | 2,923,783 | 2,843,719 | 2,746,991 | 2,746,991 | 610,854 | 418,547 | 508,149 | 497,207 | 580,220 | 10,168,793 | 10,237,590 | 10,466,543 | 10,501,780 | 10,830,138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(Continued) Table App. 1 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (in thousands of euros)

| Hospital Centers and University Hospital Centers | Costs for the Purchase of Goods as per the IS (Cod. BA010) | | | | Costs for the Purchase of Non-Health Services as per the IS (Cod. BA1570) (5) | | | | Personnel costs as per the IS (Cod. BA2080) | | | | | |
|--|--|------------------|------------------|------------------|---|------------------|------------------|------------------|---|------------------|------------------|------------------|------------------|------------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
| H.C. 1 | 46.390 | 45.969 | 55.241 | 57.241 | 57.241 | 13.188 | 11.004 | 10.490 | 10.490 | 68.257 | 68.257 | 68.500 | 68.242 | 66.571 |
| H.C. 2 | 61.468 | 64.974 | 74.082 | 76.095 | 78.570 | 25.817 | 26.899 | 27.121 | 28.120 | 124.016 | 124.323 | 130.325 | 131.059 | 133.700 |
| H.C. 3 | 57.997 | 57.513 | 60.922 | 64.109 | 65.142 | 23.005 | 23.247 | 23.332 | 27.715 | 116.907 | 116.958 | 118.070 | 117.977 | 118.078 |
| H.C. 4 | 54.787 | 52.129 | 55.272 | 61.916 | 65.900 | 23.023 | 24.569 | 23.655 | 24.101 | 110.019 | 108.828 | 112.093 | 113.350 | 113.150 |
| H.C. 5 | 37.881 | 40.423 | 42.051 | 44.735 | 43.740 | 16.397 | 16.599 | 16.768 | 17.396 | 92.680 | 91.428 | 91.425 | 91.255 | 91.127 |
| H.C. 6 | 216.951 | 209.926 | 230.646 | 229.825 | 237.122 | 85.610 | 80.835 | 78.423 | 75.484 | 473.556 | 473.869 | 476.016 | 469.123 | 467.466 |
| Piedmont Total | 477.037 | 468.092 | 512.767 | 529.237 | 546.800 | 179.792 | 184.262 | 180.880 | 179.170 | 778.888 | 785.635 | 798.434 | 799.006 | 909.077 |
| H.C. 7 (8) | 187.067 | 180.174 | 204.019 | 200.265 | 210.030 | 61.354 | 60.275 | 60.297 | 54.561 | 203.814 | 203.814 | 208.069 | 209.295 | 210.304 |
| H.C. 8 | 138.086 | 145.114 | 174.411 | 172.379 | 186.165 | 73.027 | 69.925 | 67.850 | 63.866 | 62.902 | 228.240 | 220.412 | 222.050 | 221.148 |
| Liguria total | 325.153 | 325.288 | 378.430 | 372.644 | 396.195 | 134.381 | 130.500 | 128.447 | 118.427 | 412.226 | 412.226 | 427.791 | 431.345 | 431.452 |
| H.C. 9 | 84.889 | 90.865 | 87.417 | 93.791 | 99.682 | 43.662 | 44.653 | 43.155 | 38.961 | 167.890 | 167.888 | 169.137 | 170.411 | 171.993 |
| H.C. 10 | 50.255 | 50.863 | 51.117 | 54.159 | 54.159 | 31.615 | 30.713 | 28.118 | 29.236 | 135.276 | 135.276 | 139.162 | 140.046 | 140.046 |
| H.C. 11 | 53.030 | 54.987 | 58.822 | 60.574 | 62.295 | 31.037 | 31.930 | 30.996 | 27.073 | 109.604 | 110.715 | 111.711 | 111.411 | 112.214 |
| H.C. 12 | 127.769 | 135.059 | 174.518 | 164.324 | 177.786 | 56.997 | 53.019 | 51.089 | 57.562 | 226.744 | 222.428 | 217.790 | 215.984 | 222.659 |
| H.C. 13 | 58.801 | 60.468 | 69.659 | 66.769 | 69.822 | 46.737 | 47.169 | 46.543 | 44.684 | 126.695 | 124.263 | 127.330 | 122.003 | 123.843 |
| E. Romagna Total (9) | 374.344 | 392.242 | 441.533 | 439.617 | 503.744 | 210.048 | 207.504 | 199.901 | 199.516 | 223.237 | 223.237 | 262.616 | 269.655 | 269.454 |
| North Italy Total | 1.176.334 | 1.185.622 | 1.322.730 | 1.341.498 | 1.446.739 | 522.421 | 522.287 | 508.628 | 495.113 | 518.115 | 518.115 | 527.243 | 527.243 | 527.416 |
| H.C. 14 (8) | 52.925 | 54.593 | 57.104 | 58.368 | 65.235 | 23.821 | 23.028 | 23.162 | 22.406 | 24.418 | 102.663 | 102.813 | 100.746 | 101.551 |
| H.C. 15 | 105.185 | 108.958 | 122.782 | 120.650 | 126.471 | 24.412 | 23.361 | 23.471 | 22.306 | 162.827 | 161.704 | 159.555 | 161.828 | 166.898 |
| Marche Total | 158.110 | 163.551 | 179.886 | 179.018 | 191.706 | 48.233 | 47.839 | 46.531 | 45.877 | 264.517 | 264.517 | 264.301 | 263.370 | 270.199 |
| H.C. 16 | 85.856 | 86.638 | 84.898 | 81.706 | 74.813 | 46.153 | 45.364 | 41.604 | 35.671 | 34.933 | 242.561 | 236.001 | 232.783 | 226.686 |
| H.C. 17 | 39.491 | 38.729 | 43.674 | 45.850 | 48.172 | 21.622 | 28.036 | 30.036 | 28.705 | 28.169 | 127.590 | 123.966 | 122.989 | 122.805 |
| H.C. 18 | 173.123 | 170.228 | 181.357 | 177.454 | 189.812 | 60.866 | 69.566 | 65.115 | 70.198 | 77.214 | 119.291 | 116.237 | 123.581 | 142.486 |
| H.C. 19 | 57.720 | 62.116 | 60.353 | 62.234 | 72.944 | 31.187 | 33.210 | 32.955 | 25.706 | 24.162 | 89.239 | 89.507 | 90.359 | 90.553 |
| H.C. 20 | 101.041 | 106.257 | 104.687 | 97.605 | 98.621 | 35.443 | 34.869 | 32.777 | 33.014 | 34.251 | 52.179 | 51.521 | 51.892 | 55.048 |
| Lazio Total | 457.231 | 463.968 | 474.969 | 464.849 | 484.362 | 201.271 | 211.045 | 202.487 | 193.294 | 198.289 | 630.660 | 617.232 | 621.604 | 643.329 |
| Central Italy Total | 615.341 | 627.519 | 654.855 | 643.867 | 676.068 | 249.504 | 258.904 | 249.018 | 239.171 | 245.013 | 806.150 | 881.749 | 901.905 | 909.976 |
| H.C. 21 (8) | 156.332 | 152.227 | 175.965 | 182.259 | 131.792 | 60.482 | 56.000 | 55.787 | 53.795 | 56.674 | 193.950 | 193.159 | 197.474 | 194.126 |
| H.C. 22 | 72.117 | 78.259 | 82.473 | 74.060 | 80.436 | 27.514 | 27.751 | 27.667 | 26.114 | 28.088 | 108.565 | 108.993 | 109.989 | 111.581 |
| Apuulia total | 228.449 | 230.486 | 258.438 | 226.379 | 212.228 | 87.996 | 83.571 | 83.454 | 79.899 | 84.762 | 302.975 | 302.152 | 307.463 | 306.570 |
| H.C. 23 | 38.241 | 37.379 | 40.174 | 41.988 | 44.111 | 25.278 | 25.728 | 26.322 | 27.362 | 27.170 | 104.152 | 102.133 | 101.131 | 100.768 |
| H.C. 24 (8) | 34.905 | 32.756 | 37.857 | 36.442 | 38.300 | 21.459 | 21.752 | 21.978 | 22.155 | 20.827 | 93.112 | 91.855 | 92.167 | 92.110 |
| H.C. 25 | 23.373 | 22.286 | 22.540 | 22.540 | 23.150 | 6.456 | 7.248 | 7.150 | 6.988 | 7.935 | 32.346 | 32.281 | 32.455 | 38.050 |
| H.C. 26 | 36.966 | 39.966 | 39.966 | 39.966 | 41.773 | 16.773 | 16.773 | 16.773 | 16.036 | 17.409 | 83.682 | 82.873 | 81.080 | 83.613 |
| Calabria Total | 133.483 | 132.887 | 140.276 | 143.353 | 162.739 | 68.524 | 71.404 | 71.406 | 72.561 | 73.341 | 313.922 | 309.142 | 306.833 | 324.309 |
| H.C. 27 | 44.129 | 44.904 | 47.546 | 50.062 | 54.008 | 20.725 | 21.458 | 21.345 | 21.339 | 20.149 | 83.576 | 83.149 | 83.514 | 82.904 |
| H.C. 28 | 53.451 | 56.307 | 68.120 | 69.107 | 71.428 | 18.513 | 17.437 | 16.890 | 16.472 | 17.007 | 114.312 | 113.964 | 113.706 | 118.696 |
| H.C. 29 | 111.358 | 116.588 | 139.112 | 139.517 | 138.094 | 33.399 | 28.315 | 26.611 | 27.696 | 28.383 | 155.086 | 151.990 | 149.678 | 149.251 |
| H.C. 30 | 30.868 | 32.779 | 35.558 | 35.998 | 38.328 | 15.660 | 14.711 | 12.865 | 13.860 | 98.062 | 96.926 | 97.886 | 96.392 | 77.257 |
| H.C. 31 | 69.449 | 71.139 | 78.493 | 85.622 | 93.750 | 23.750 | 24.450 | 24.050 | 24.766 | 24.236 | 145.249 | 140.907 | 141.391 | 140.780 |
| H.C. 32 | 73.644 | 76.283 | 80.939 | 85.215 | 80.939 | 28.871 | 24.950 | 23.617 | 19.254 | 18.243 | 164.280 | 161.480 | 158.094 | 155.264 |
| H.C. 33 | 60.710 | 62.848 | 83.827 | 87.994 | 83.827 | 13.067 | 14.543 | 15.451 | 14.121 | 16.164 | 60.096 | 61.179 | 62.852 | 63.533 |
| H.C. 34 (8) | 480.795 | 507.016 | 589.253 | 599.993 | 608.387 | 180.618 | 164.397 | 158.259 | 157.099 | 159.219 | 909.295 | 896.263 | 890.443 | 881.892 |
| Sicily Total | 842.729 | 869.889 | 987.967 | 949.670 | 983.354 | 372.138 | 372.909 | 372.909 | 372.909 | 372.909 | 1.507.557 | 1.507.557 | 1.496.105 | 1.488.415 |
| South Italy Total | 2.634.004 | 2.683.030 | 2.975.552 | 2.955.033 | 3.106.161 | 1.110.863 | 1.100.733 | 1.070.445 | 1.043.853 | 1.080.450 | 4.608.207 | 4.560.321 | 4.571.875 | 4.539.875 |

(Continued) Table App. 1 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (in thousands of euros)

| Hospital Centers and University Hospital | Provisions as per the IS (Cod. BA2600) | | | | | Other costs as per the IS (6) | | | | |
|--|---|----------------|----------------|----------------|----------------|----------------------------------|------------------|------------------|------------------|------------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 |
| | H.C. 1 | 2,769 | 3,06 | 350 | 472 | 2,337 | 24,606 | 24,951 | 24,078 | 23,529 |
| H.C. 2 | 3,546 | 593 | 1,906 | 300 | 41,37 | 50,034 | 55,472 | 58,841 | 63,168 | 76,653 |
| H.C. 3 | 1,720 | 142 | 849 | 1,638 | 27,644 | 26,975 | 27,634 | 28,093 | 28,093 | 28,093 |
| H.C. 4 | 2,657 | 645 | 1,486 | 1,301 | 1,120 | 31,425 | 36,211 | 39,278 | 56,888 | 35,230 |
| H.C. 5 | 1,740 | 679 | 2,129 | 1,958 | 1,504 | 23,445 | 23,111 | 26,420 | 26,716 | 27,896 |
| H.C. 6 | 15,198 | 13,853 | 12,236 | 15,124 | 20,062 | 197,853 | 204,449 | 200,390 | 206,214 | 205,000 |
| Piedmont Total | 27,130 | 16,218 | 18,276 | 26,004 | 30,788 | 354,987 | 372,916 | 375,982 | 384,149 | 396,439 |
| H.C. 7 (8) | 21,015 | 18,020 | 10,763 | 12,781 | 15,445 | 98,745 | 98,716 | 96,835 | 98,058 | 99,209 |
| H.C. 8 | 5,562 | 4,741 | 7,694 | 17,386 | 17,776 | 72,214 | 74,354 | 86,775 | 95,171 | 99,280 |
| Liguria total | 26,577 | 22,761 | 18,457 | 30,367 | 33,221 | 170,959 | 173,070 | 183,610 | 193,229 | 198,489 |
| H.C. 9 | 3,389 | 2,622 | 5,180 | 8,489 | 4,831 | 68,100 | 65,258 | 70,544 | 64,036 | 64,117 |
| H.C. 10 | 2,329 | 4,385 | 433 | 6,073 | 6,073 | 55,961 | 55,571 | 62,444 | 58,298 | 58,298 |
| H.C. 11 | 6,338 | 3,325 | 5,346 | 10,407 | 9,139 | 35,392 | 32,335 | 50,363 | 48,972 | 123,848 |
| H.C. 12 | 17,485 | 28,078 | 21,082 | 11,648 | 10,251 | 115,356 | 109,213 | 110,857 | 122,452 | 117,318 |
| H.C. 13 | 3,124 | 2,587 | 4,539 | 4,935 | 4,671 | 61,801 | 63,570 | 62,488 | 72,500 | 64,399 |
| E. Romagna Total (9) | 32,565 | 40,997 | 36,580 | 41,552 | 34,965 | 356,610 | 345,947 | 356,696 | 466,258 | 428,180 |
| North Italy Total | 86,272 | 79,976 | 73,313 | 91,923 | 98,974 | 892,556 | 891,933 | 916,288 | 1,043,636 | 1,023,108 |
| H.C. 14 (8) | 6,110 | 7,983 | 7,494 | 9,630 | 7,934 | 27,434 | 23,941 | 23,682 | 23,441 | 24,182 |
| H.C. 15 | 11,254 | 11,352 | 9,009 | 8,415 | 9,402 | 56,563 | 58,639 | 56,715 | 57,921 | 57,164 |
| Marche Total | 17,364 | 19,335 | 16,503 | 18,045 | 17,336 | 83,997 | 82,580 | 80,397 | 81,362 | 81,346 |
| H.C. 16 | 9,610 | 10,873 | 7,486 | 16,580 | 15,980 | 83,525 | 87,508 | 76,587 | 65,555 | 60,806 |
| H.C. 17 | 6,114 | 10,544 | 17,863 | 6,455 | 9,246 | 41,312 | 35,163 | 43,305 | 42,627 | 23,216 |
| H.C. 18 | 45,178 | 46,443 | 37,404 | 40,816 | 12,488 | 139,328 | 124,487 | 125,606 | 130,571 | 118,127 |
| H.C. 19 | 3,226 | 6,720 | 6,462 | 7,483 | 8,176 | 41,957 | 33,965 | 37,064 | 34,093 | 31,719 |
| H.C. 20 | 2,841 | 7,109 | 9,830 | 10,640 | 6,401 | 80,348 | 82,692 | 77,907 | 71,573 | 62,988 |
| Lazio Total | 66,969 | 81,689 | 79,045 | 81,974 | 52,291 | 386,470 | 363,815 | 360,269 | 344,217 | 296,856 |
| Central Italy Total | 84,333 | 101,024 | 95,548 | 100,019 | 69,627 | 470,467 | 446,395 | 440,666 | 425,579 | 378,202 |
| H.C. 21 (8) | 8,913 | 14,575 | 2,014 | 3,099 | 8,852 | 54,728 | 63,037 | 60,617 | 70,429 | 70,985 |
| H.C. 22 | 3,154 | 5,518 | 4,876 | 3,753 | 6,004 | 24,545 | 20,590 | 20,363 | 22,416 | 23,856 |
| Apuulia total | 12,067 | 19,893 | 6,890 | 6,852 | 14,856 | 83,627 | 83,627 | 80,980 | 92,845 | 94,841 |
| H.C. 23 | 3,424 | 6,403 | 6,873 | 4,096 | 4,982 | 10,350 | 12,275 | 14,466 | 14,858 | 13,264 |
| H.C. 24 (8) | 1,424 | 1,250 | 1,289 | 1,315 | 1,505 | 13,611 | 14,481 | 15,356 | 18,250 | 18,734 |
| H.C. 25 | 3,249 | 2,280 | 2,295 | 2,850 | 5,51 | 7,418 | 9,783 | 14,747 | 27,016 | 14,239 |
| H.C. 26 | 3,270 | 2,943 | 3,314 | 2,545 | 1,903 | 18,414 | 18,438 | 18,705 | 19,483 | 19,914 |
| Calabria Total | 11,567 | 12,876 | 13,771 | 10,806 | 8,941 | 49,793 | 54,977 | 63,274 | 79,607 | 66,151 |
| H.C. 27 | 6,201 | 9,047 | 8,994 | 15,268 | 7,801 | 24,793 | 25,011 | 26,597 | 25,819 | 27,343 |
| H.C. 28 | 8,374 | 10,758 | 10,026 | 10,218 | 7,039 | 32,837 | 28,127 | 29,951 | 38,611 | 40,904 |
| H.C. 29 | 8,345 | 12,551 | 17,167 | 18,468 | 16,483 | 61,783 | 66,025 | 60,643 | 54,748 | 43,943 |
| H.C. 30 | 3,398 | 11,283 | 10,825 | 17,986 | 8,837 | 19,706 | 28,389 | 23,549 | 25,395 | 23,999 |
| H.C. 31 | 6,655 | 8,131 | 6,010 | 8,835 | 4,694 | 17,471 | 19,480 | 18,052 | 27,412 | 49,867 |
| H.C. 32 | 7,167 | 8,714 | 12,737 | 8,353 | 7,814 | 23,967 | 27,185 | 23,732 | 32,002 | 32,871 |
| H.C. 33 | 12,269 | 18,689 | 23,436 | 31,623 | 15,041 | 41,864 | 52,845 | 56,535 | 61,663 | 60,262 |
| H.C. 34 (8) | 4,947 | 3,277 | 3,708 | 4,269 | 3,788 | 56,098 | 62,341 | 60,564 | 75,404 | 73,624 |
| Sicily Total | 57,356 | 82,570 | 92,903 | 115,020 | 71,387 | 280,519 | 309,403 | 299,623 | 341,114 | 352,813 |
| South Italy Total | 80,790 | 115,519 | 113,564 | 132,678 | 95,184 | 409,585 | 448,007 | 443,877 | 513,566 | 513,805 |
| Grand Total | 251,395 | 296,519 | 282,425 | 324,620 | 263,785 | 1,762,608 | 1,786,335 | 1,808,831 | 1,982,781 | 1,915,115 |

(Continued) Table App. 1 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (in thousands of euros)

| Hospital Centers and University Hospital Centers | Total costs as per the IS | | | | | | Operating results as per the IS | | | | | |
|--|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------------------------|-----------------|-----------------|-----------------|-------|--|
| | 2013 | | | | | | 2017 | | | | | |
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C. 1 | 152,789 | 153,351 | 155,550 | 158,578 | 159,815 | 0 | -10,147 | -17,716 | 0 | 0 | 1,926 | |
| H.C. 2 | 262,211 | 270,979 | 292,053 | 297,743 | 321,180 | -5,990 | -12,852 | -18,864 | -6,428 | -2,406 | - | |
| H.C. 3 | 227,273 | 226,582 | 229,940 | 235,801 | 240,716 | 0 | -5,619 | 0 | 0 | 0 | - | |
| H.C. 4 | 222,382 | 231,784 | 236,926 | 237,500 | 237,500 | 0 | -5,737 | -4,486 | - | 1,180 | - | |
| H.C. 5 | 171,049 | 169,596 | 177,026 | 178,748 | 182,643 | 0 | -8,432 | -6,568 | - | -1,495 | - | |
| H.C. 6 | 989,348 | 982,942 | 997,711 | 995,770 | 1,001,138 | -12,750 | -30,648 | -15,081 | -11,040 | -17,478 | - | |
| Piedmont Total | 2,025,831 | 2,025,832 | 2,084,064 | 2,103,566 | 2,142,992 | -16,740 | -73,433 | -52,715 | -17,468 | -18,273 | - | |
| H.C. 7 (8) | 575,232 | 561,299 | 574,983 | 574,980 | 587,576 | -25,609 | -22,835 | -17,047 | -10,491 | - | - | |
| H.C. 8 | 517,129 | 514,346 | 556,452 | 571,032 | 587,271 | -24,950 | -13,451 | 1,000 | - | - | - | |
| Veneto total | 1,092,362 | 1,075,845 | 1,136,435 | 1,146,012 | 1,174,847 | -50,559 | -36,286 | -16,047 | -10,491 | - | - | |
| H.C. 9 | 367,439 | 370,686 | 375,433 | 375,688 | 378,274 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 10 | 275,916 | 279,484 | 281,274 | 287,812 | 287,812 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 11 | 255,401 | 253,312 | 256,698 | 258,437 | 405,023 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 12 | 544,381 | 547,797 | 575,336 | 571,980 | 585,720 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 13 | 297,158 | 298,057 | 306,962 | 301,091 | 303,752 | 0 | 0 | 0 | 0 | 0 | - | |
| E. Romagna Total (9) | 1,740,295 | 1,749,336 | 1,795,703 | 1,795,008 | 1,960,381 | - | - | - | - | - | - | |
| North Italy Total | 4,857,238 | 4,831,013 | 5,016,202 | 5,044,586 | 5,278,420 | -69,299 | -109,721 | -68,762 | -27,959 | -18,273 | - | |
| H.C. 14 (8) | 212,953 | 212,358 | 212,188 | 215,396 | 225,070 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 15 | 360,241 | 365,484 | 371,430 | 372,285 | 382,241 | 0 | 0 | 0 | 0 | 0 | - | |
| Marche Total | 573,194 | 577,842 | 583,618 | 587,681 | 607,311 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 16 | 467,505 | 466,384 | 443,158 | 450,668 | 412,778 | -151,274 | -158,632 | -161,799 | -155,718 | -130,712 | - | |
| H.C. 17 | 242,129 | 226,438 | 257,867 | 247,321 | 231,608 | -91,594 | -102,291 | -98,853 | -81,733 | -83,999 | - | |
| H.C. 18 | 537,786 | 526,961 | 533,063 | 561,525 | 538,948 | -77,273 | -74,610 | -92,343 | -140,252 | -104,166 | - | |
| H.C. 19 | 223,329 | 225,518 | 227,193 | 220,069 | 227,198 | -102,291 | -53,708 | -54,160 | -49,108 | -41,510 | - | |
| H.C. 20 | 271,852 | 282,448 | 277,093 | 267,880 | 261,043 | -55,349 | -73,601 | -62,567 | -41,794 | -24,902 | - | |
| Lazio Total | 1,742,601 | 1,737,749 | 1,738,374 | 1,727,663 | 1,671,575 | -477,781 | -462,842 | -469,922 | -468,605 | -384,889 | - | |
| Central Italy Total | 2,315,795 | 2,315,591 | 2,321,992 | 2,315,344 | 2,278,886 | -477,781 | -462,842 | -469,922 | -468,605 | -384,889 | - | |
| H.C. 21 (8) | 474,405 | 478,798 | 491,857 | 433,708 | 462,665 | 0 | 0 | -28,102 | -19,736 | -9,740 | - | |
| H.C. 22 | 235,895 | 241,111 | 245,368 | 237,924 | 250,532 | 0 | 0 | 0 | 0 | 0 | - | |
| Apuulia total | 710,300 | 719,909 | 737,225 | 713,632 | 713,197 | 0 | 0 | -28,102 | -19,736 | -9,740 | - | |
| H.C. 23 | 181,445 | 183,918 | 188,876 | 189,072 | 191,348 | -4,584 | -6,007 | -1,880 | 0 | 0 | - | |
| H.C. 24 (8) | 164,511 | 162,094 | 168,647 | 170,272 | 176,188 | -1,682 | -3,764 | -2,265 | - | -12,930 | - | |
| H.C. 25 | 72,842 | 73,878 | 79,187 | 92,019 | 93,277 | -15,516 | -14,562 | -29,888 | -42,000 | -12,319 | - | |
| H.C. 26 | 157,663 | 160,896 | 158,530 | 163,470 | 174,668 | 0 | -17,377 | -20,279 | - | - | - | |
| Calabria Total | 576,461 | 580,766 | 595,240 | 614,833 | 635,481 | -21,782 | -41,710 | -54,282 | -42,000 | -25,249 | - | |
| H.C. 27 | 179,604 | 183,569 | 187,996 | 195,392 | 193,094 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 28 | 227,387 | 226,613 | 238,693 | 240,033 | 255,974 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 29 | 369,971 | 375,569 | 393,211 | 389,680 | 378,216 | 0 | 788 | 0 | 0 | 0 | - | |
| H.C. 30 | 167,872 | 183,548 | 175,483 | 179,027 | 162,281 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 31 | 176,970 | 179,780 | 191,319 | 203,339 | 205,869 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 32 | 273,078 | 274,874 | 283,049 | 284,394 | 292,343 | 0 | 2,456 | 2,680 | 0 | 0 | - | |
| H.C. 33 | 320,928 | 334,247 | 336,897 | 348,228 | 326,873 | 0 | 0 | 0 | 0 | 0 | - | |
| H.C. 34 (8) | 192,833 | 201,629 | 202,821 | 246,030 | 234,552 | 0 | 22,09 | 0 | 0 | 0 | - | |
| Sicily Total | 1,908,588 | 1,959,892 | 2,030,469 | 2,095,123 | 2,049,402 | - | - | 2,680 | 2,680 | 1,120 | - | |
| South Italy Total | 3,195,344 | 3,240,524 | 3,362,934 | 3,421,588 | 3,398,080 | -21,782 | -36,257 | -79,704 | -60,616 | -34,989 | - | |
| Grand Total | 10,368,377 | 10,427,128 | 10,791,128 | 10,791,518 | 10,953,386 | -568,862 | -608,320 | -618,388 | -557,180 | -438,151 | - | |

Notes

- (1) The number of in-hospital stays was noted in the Management Report attached to the approved and published Financial Statements.
- (2) Includes revenues from hospitalization in the strict sense, but also from specialist visits, File F, etc.
- (3) The values shown represent the difference between the total revenues and revenues from health services + revenues from co-payment charges + revenues for “by-function” activities.
- (4) These include pharmaceutical products, blood derivatives, blood, reagents, X-ray plates, chemicals, food products, stationery, fuel, etc.
- (5) These include the costs for meal services, laundry, cleaning, etc.
- (6) This is the difference between total costs and costs for the purchase of goods + costs for non-health care services + costs for personnel + costs for provisions. It also includes the costs for health services that are not always clearly identifiable in the financial statements, though it does not include financial charges.
- (7) This is reported as a final result on the Income Statement.
- (8) In some cases there are “Other Revenues” with a negative sign: this is the result of corrective items introduced when preparing the Financial Statements (e.g.: gradual repayment of advances for machinery purchases, etc. by the Region).
- (9) In an Emilia Romagna Hospital Center (H.C. 10) the 2017 values were estimated for both revenues and costs, assuming a scenario of total continuity with respect to the previous year, because this Hospital Center, as of June 30, 2017 was merged into an AUSL. While in another Emilia Romagna Hospital Center (H.C. 11) a special unified management was enacted (a Polyclinic is more than a normal hospital), in which, however, the staff remained employed by the AUSL: hence the upward shift in hospitalizations and consequent health care and social-health revenues as well as revenues from co-payment charges and “by-function” activities, and other Revenues as well as Cost items.

(*) Final Balance Reports of the individual Hospital Centers and University Hospital Centers for the years indicated.
Source: *survey by Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 2 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (I.N. 2013 = 100.0). (*)

| Hospital Centers and University Hospital Centers (1) | Inpatient admissions and day-hospital admissions (1) | | | | | | | Revenues from health care services and health-related social health services as per the IS (Cod. A0320) (2) | | | | | | | Revenues from co-payment charges for external specialist services as per the IS (Cod. A0940) | | | | | | | Transfer revenues for "by-function" activities reported on the IS (Cod. A3080) | | | | | | |
|--|--|-------|-------|-------|-------|-------|------|---|-------|-------|-------|------|------|-------|--|-------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|-------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) |
| H.C. 1 | 1000 | 95.1 | 88.6 | 87.3 | 86.9 | 1000 | 1000 | 97.7 | 101.0 | 101.8 | 100.1 | 1000 | 1000 | 96.5 | 100.5 | 88.8 | 78.2 | 100.0 | 86.2 | 94.1 | 111.5 | 113.6 | 100.0 | 103.4 | 115.7 | 140.3 | 105.3 | |
| H.C. 2 | 1000 | 100.0 | 96.6 | 111.6 | 97.6 | 112.4 | 1000 | 1000 | 100.7 | 106.3 | 107.9 | 1000 | 1000 | 105.6 | 100.5 | 85.7 | 85.2 | 100.0 | 103.4 | 115.7 | 140.3 | 105.3 | 100.0 | 101.0 | 102.9 | 112.4 | 115.2 | |
| H.C. 3 | 1000 | 94.8 | 95.8 | 95.3 | 94.8 | 1000 | 1000 | 96.8 | 100.2 | 102.8 | 103.9 | 1000 | 1000 | 94.2 | 93.1 | 92.0 | 93.4 | 100.0 | 101.0 | 102.9 | 112.4 | 115.2 | 100.0 | 100.0 | 96.3 | 104.9 | 116.1 | 120.9 |
| H.C. 4 | 1000 | 96.5 | 98.3 | 98.3 | 98.3 | 1000 | 1000 | 96.9 | 100.7 | 105.6 | 107.5 | 1000 | 1000 | 94.2 | 98.8 | 98.1 | 97.4 | 100.0 | 96.3 | 104.9 | 116.1 | 120.9 | 100.0 | 100.0 | 96.3 | 104.9 | 116.1 | 120.9 |
| H.C. 5 | 1000 | 95.3 | 98.3 | 98.3 | 98.2 | 1000 | 1000 | 94.9 | 94.9 | 98.8 | 102.8 | 1000 | 1000 | 100.1 | 95.7 | 92.6 | 89.1 | 100.0 | 112.0 | 111.8 | 136.6 | 121.6 | 100.0 | 100.0 | 97.4 | 98.8 | 100.1 | 107.6 |
| H.C. 6 | 1000 | 84.1 | 95.0 | 94.7 | 94.3 | 1000 | 1000 | 97.9 | 100.3 | 99.9 | 100.5 | 1000 | 1000 | 103.6 | 91.8 | 83.1 | 82.4 | 100.0 | 97.4 | 98.8 | 100.1 | 107.6 | 100.0 | 100.0 | 97.4 | 98.8 | 100.1 | 107.6 |
| Piedmont Total | 1000 | 90.7 | 97.4 | 97.4 | 96.8 | 1000 | 1000 | 91.7 | 100.5 | 102.0 | 102.6 | 1000 | 1000 | 101.1 | 95.3 | 88.4 | 86.4 | 100.0 | 98.4 | 102.0 | 110.1 | 110.5 | 100.0 | 100.0 | 98.4 | 102.0 | 110.1 | 110.5 |
| H.C. 7 (8) | 1000 | 98.6 | 107.6 | 105.4 | 110.7 | 1000 | 1000 | 98.0 | 99.3 | 99.8 | 105.1 | 1000 | 1000 | 101.8 | 99.7 | 96.7 | 123.2 | 100.0 | 147.4 | 144.8 | 175.6 | 127.4 | 100.0 | 100.0 | 147.4 | 144.8 | 175.6 | 127.4 |
| H.C. 8 | 1000 | 100.9 | 115.1 | 125.3 | 124.7 | 1000 | 1000 | 101.9 | 108.7 | 112.4 | 116.2 | 1000 | 1000 | 104.0 | 106.6 | 114.8 | 149.9 | 100.0 | 110.8 | 134.2 | 124.8 | 110.8 | 100.0 | 100.0 | 110.8 | 134.2 | 124.8 | 110.8 |
| Veneto total | 1000 | 99.8 | 111.3 | 115.2 | 117.6 | 1000 | 1000 | 99.9 | 103.9 | 105.9 | 110.5 | 1000 | 1000 | 102.7 | 104.9 | 107.5 | 135.8 | 100.0 | 128.8 | 139.4 | 149.8 | 118.9 | 100.0 | 100.0 | 128.8 | 139.4 | 149.8 | 118.9 |
| H.C. 9 | 1000 | 98.9 | 99.0 | 98.4 | 103.1 | 1000 | 1000 | 102.0 | 103.4 | 104.1 | 104.3 | 1000 | 1000 | 103.3 | 101.0 | 96.4 | 100.0 | 131.1 | 121.6 | 123.3 | 132.1 | 100.0 | 100.0 | 131.1 | 121.6 | 123.3 | 132.1 | 100.0 |
| H.C. 10 | 1000 | 97.7 | 96.7 | 96.0 | 96.0 | 1000 | 1000 | 100.7 | 101.0 | 101.6 | 101.6 | 1000 | 1000 | 106.4 | 103.2 | 90.9 | 90.9 | 100.0 | 97.0 | 105.1 | 115.3 | 115.3 | 100.0 | 100.0 | 97.0 | 105.1 | 115.3 | 115.3 |
| H.C. 11 | 1000 | 96.7 | 95.5 | 94.0 | 123.2 | 1000 | 1000 | 99.7 | 99.8 | 99.4 | 157.3 | 1000 | 1000 | 100.4 | 103.7 | 122.7 | 171.0 | 100.0 | 127.4 | 132.6 | 135.5 | 182.8 | 100.0 | 100.0 | 127.4 | 132.6 | 135.5 | 182.8 |
| H.C. 12 | 1000 | 97.9 | 97.2 | 98.4 | 97.9 | 1000 | 1000 | 101.0 | 101.6 | 104.1 | 106.8 | 1000 | 1000 | 95.1 | 87.5 | 91.3 | 93.6 | 100.0 | 117.1 | 120.1 | 127.7 | 135.7 | 100.0 | 100.0 | 117.1 | 120.1 | 127.7 | 135.7 |
| H.C. 13 | 1000 | 98.8 | 97.9 | 96.3 | 95.8 | 1000 | 1000 | 101.9 | 102.3 | 101.8 | 104.5 | 1000 | 1000 | 100.6 | 99.9 | 99.2 | 93.6 | 100.0 | 210.6 | 232.2 | 199.0 | 192.3 | 100.0 | 100.0 | 210.6 | 232.2 | 199.0 | 192.3 |
| Totale I.R. (9) | 1000 | 98.0 | 97.3 | 97.0 | 102.2 | 1000 | 1000 | 101.1 | 101.7 | 102.6 | 112.7 | 1000 | 1000 | 101.4 | 98.4 | 97.9 | 102.7 | 100.0 | 133.6 | 138.0 | 137.6 | 148.7 | 100.0 | 100.0 | 133.6 | 138.0 | 137.6 | 148.7 |
| North Italy Total | 1000 | 95.4 | 100.0 | 99.4 | 102.9 | 1000 | 1000 | 99.6 | 101.8 | 103.1 | 108.4 | 1000 | 1000 | 101.5 | 97.8 | 95.0 | 101.6 | 100.0 | 111.8 | 116.9 | 123.5 | 120.5 | 100.0 | 100.0 | 111.8 | 116.9 | 123.5 | 120.5 |
| H.C. 14 (8) | 1000 | 99.3 | 94.2 | 92.1 | 91.6 | 1000 | 1000 | 95.4 | 93.1 | 95.8 | 106.0 | 1000 | 1000 | 97.0 | 102.4 | 109.8 | 113.5 | 100.0 | 117.7 | 111.1 | 128.3 | 126.1 | 100.0 | 100.0 | 117.7 | 111.1 | 128.3 | 126.1 |
| H.C. 15 | 1000 | 97.4 | 93.8 | 93.3 | 93.3 | 1000 | 1000 | 93.6 | 92.6 | 97.6 | 101.2 | 1000 | 1000 | 98.2 | 95.9 | 98.5 | 98.6 | 100.0 | 124.5 | 139.4 | 129.1 | 121.2 | 100.0 | 100.0 | 124.5 | 139.4 | 129.1 | 121.2 |
| Marche Total | 1000 | 98.1 | 93.8 | 93.2 | 92.7 | 1000 | 1000 | 94.2 | 92.8 | 96.9 | 102.9 | 1000 | 1000 | 97.7 | 98.6 | 103.3 | 104.9 | 100.0 | 121.5 | 127.1 | 128.7 | 123.4 | 100.0 | 100.0 | 121.5 | 127.1 | 128.7 | 123.4 |
| H.C. 16 | 1000 | 96.6 | 78.0 | 69.7 | 77.8 | 1000 | 1000 | 98.7 | 96.3 | 92.7 | 92.9 | 1000 | 1000 | 96.9 | 83.1 | 73.9 | 64.2 | 100.0 | 116.0 | 88.8 | 76.5 | 81.2 | 100.0 | 100.0 | 116.0 | 88.8 | 76.5 | 81.2 |
| H.C. 17 | 1000 | 91.2 | 86.0 | 77.7 | 77.3 | 1000 | 1000 | 93.2 | 103.2 | 103.4 | 103.4 | 1000 | 1000 | 95.9 | 90.4 | 84.8 | 77.4 | 100.0 | 141.8 | 97.5 | 81.2 | 75.7 | 100.0 | 100.0 | 141.8 | 97.5 | 81.2 | 75.7 |
| H.C. 18 | 1000 | 93.7 | 80.1 | 74.7 | 74.3 | 1000 | 1000 | 95.8 | 98.9 | 99.3 | 101.9 | 1000 | 1000 | 96.8 | 80.1 | 91.9 | 89.0 | 100.0 | 111.8 | 89.2 | 85.7 | 85.2 | 100.0 | 100.0 | 111.8 | 89.2 | 85.7 | 85.2 |
| H.C. 19 | 1000 | 97.9 | 83.9 | 77.9 | 77.5 | 1000 | 1000 | 100.1 | 103.6 | 106.2 | 112.1 | 1000 | 1000 | 93.8 | 87.6 | 87.1 | 79.5 | 100.0 | 123.2 | 103.1 | 93.9 | 95.8 | 100.0 | 100.0 | 123.2 | 103.1 | 93.9 | 95.8 |
| H.C. 20 | 1000 | 102.6 | 90.4 | 86.1 | 69.4 | 1000 | 1000 | 104.9 | 111.6 | 114.4 | 118.3 | 1000 | 1000 | 92.9 | 92.7 | 86.8 | 75.4 | 100.0 | 112.5 | 109.0 | 108.9 | 124.8 | 100.0 | 100.0 | 112.5 | 109.0 | 108.9 | 124.8 |
| Lazio Total | 1000 | 96.2 | 82.6 | 76.2 | 75.1 | 1000 | 1000 | 98.3 | 102.0 | 101.7 | 104.0 | 1000 | 1000 | 95.6 | 88.9 | 85.8 | 78.8 | 100.0 | 116.8 | 93.8 | 86.9 | 89.6 | 100.0 | 100.0 | 116.8 | 93.8 | 86.9 | 89.6 |
| Central Italy Total | 1000 | 96.7 | 85.7 | 80.9 | 79.9 | 1000 | 1000 | 97.1 | 99.2 | 100.3 | 103.7 | 1000 | 1000 | 96.0 | 90.8 | 89.2 | 83.9 | 100.0 | 118.5 | 105.9 | 102.1 | 101.8 | 100.0 | 100.0 | 118.5 | 105.9 | 102.1 | 101.8 |
| H.C. 21 (8) | 1000 | 95.0 | 89.3 | 88.8 | 88.4 | 1000 | 1000 | 101.9 | 105.9 | 99.5 | 94.4 | 1000 | 1000 | 95.3 | 94.8 | 76.3 | 81.8 | 100.0 | 107.1 | 97.4 | 96.5 | 99.5 | 100.0 | 100.0 | 107.1 | 97.4 | 96.5 | 99.5 |
| H.C. 22 | 1000 | 93.3 | 89.2 | 88.4 | 88.0 | 1000 | 1000 | 100.0 | 105.8 | 99.0 | 104.5 | 1000 | 1000 | 95.9 | 99.0 | 86.4 | 94.2 | 100.0 | 113.6 | 92.8 | 92.8 | 99.0 | 100.0 | 100.0 | 113.6 | 92.8 | 92.8 | 99.0 |
| Apulia total | 1000 | 94.4 | 89.3 | 88.7 | 88.2 | 1000 | 1000 | 101.2 | 105.9 | 99.3 | 98.0 | 1000 | 1000 | 96.7 | 96.1 | 79.5 | 85.8 | 100.0 | 112.7 | 96.0 | 95.3 | 95.3 | 100.0 | 100.0 | 112.7 | 96.0 | 95.3 | 95.3 |
| H.C. 23 | 1000 | 94.2 | 92.6 | 100.2 | 99.7 | 1000 | 1000 | 99.1 | 100.0 | 98.6 | 119.7 | 1000 | 1000 | 100.6 | 90.5 | 99.7 | 95.2 | 100.0 | 99.4 | 104.0 | 78.6 | 85.4 | 100.0 | 100.0 | 99.4 | 104.0 | 78.6 | 85.4 |
| H.C. 24 (8) | 1000 | 95.2 | 94.3 | 88.9 | 88.5 | 1000 | 1000 | 100.2 | 100.4 | 106.8 | 116.4 | 1000 | 1000 | 91.1 | 95.7 | 98.0 | 91.3 | 100.0 | 98.1 | 98.1 | 86.6 | 64.7 | 100.0 | 100.0 | 98.1 | 98.1 | 86.6 | 64.7 |
| H.C. 25 | 1000 | 95.4 | 95.8 | 95.6 | 95.2 | 1000 | 1000 | 100.4 | 119.8 | 130.8 | 162.0 | 1000 | 1000 | 90.6 | 87.7 | 84.8 | 88.0 | 100.0 | 96.6 | 3.0 | 154.1 | 118.5 | 100.0 | 100.0 | 96.6 | 3.0 | 154.1 | 118.5 |
| H.C. 26 | 1000 | 94.0 | 92.1 | 86.7 | 86.3 | 1000 | 1000 | 99.0 | 98.0 | 109.6 | 118.4 | 1000 | 1000 | 106.8 | 106.9 | 94.7 | 87.5 | 100.0 | 100.0 | 91.7 | 91.5 | 92.7 | 100.0 | 100.0 | 100.0 | 91.7 | 91.5 | 92.7 |
| Calabria Total | 1000 | 94.6 | 93.3 | 92.4 | 92.0 | 1000 | 1000 | 99.6 | 101.3 | 114.2 | 123.3 | 1000 | 1000 | 96.5 | 94.8 | 94.9 | 90.8 | 100.0 | 99.0 | 92.4 | 89.4 | 83.5 | 100.0 | 100.0 | 99.0 | 92.4 | 89.4 | 83.5 |
| H.C. 27 | 1000 | 83.4 | 78.9 | 85.3 | 82.3 | 1000 | 1000 | 96.3 | 102.9 | 102.9 | 111.5 | 1000 | 1000 | 94.3 | 93.3 | 95.9 | 106.1 | 100.0 | 106.6 | 106.2 | 106.5 | 92.3 | 100.0 | 100.0 | 106.6 | 106.2 | 106.5 | 92.3 |
| H.C. 28 | 1000 | 84.2 | 80.7 | 94.4 | 95.9 | 1000 | 1000 | 97.6 | 105.1 | 113.9 | 113.7 | 1000 | 1000 | 94.8 | 96.0 | 96.1 | 96.4 | 100.0 | 112.5 | 104.1 | 104.7 | 103.9 | 100.0 | 100.0 | 112.5 | 104.1 | 104.7 | 103.9 |
| H.C. 29 | 1000 | 87.2 | 84.9 | 94.1 | 93.7 | 1000 | 1000 | 100.0 | 110.6 | 113.6 | 110.0 | 1000 | 1000 | 93.7 | 92.8 | 92.2 | 84.0 | 100.0 | 102.1 | 106.1 | 103.8 | 93.7 | 100.0 | 100.0 | 102.1 | 106.1 | 103.8 | 93.7 |
| H.C. 30 | 1000 | 83.0 | 76.4 | 84.9 | 84.5 | 1000 | 1000 | 95.9 | 99.5 | 102.5 | 99.5 | 1000 | 1000 | 93.1 | 93.6 | 87.8 | 87.8 | 100.0 | 130.8 | 111.1 | 100.2 | 82.8 | 100.0 | 100.0 | 130.8 | 111.1 | 100.2 | 82.8 |
| H.C. 31 | 1000 | 90.1 | 89.6 | 102.8 | 102.3 | 1000 | 1000 | 104.0 | 116.7 | 124.1 | 122.6 | 1000 | 1000 | 93.4 | 93.9 | 89.8 | 87.0 | 100.0 | 99.8 | 98.8 | 94.4 | 106.6 | 100.0 | 100.0 | 99.8 | 98.8 | 94.4 | 106.6 |
| H.C. 32 | 1000 | 85.0 | 80.8 | 78.6 | 78.2 | 1000 | 1000 | 98.2 | 105.3 | 106.2 | 110.6 | 1000 | 1000 | 97.6 | 92.1 | 85.8 | 90.4 | 100.0 | 112.5 | 104.5 | 93.2 | 90.5 | 100.0 | 100.0 | 112.5 | 104.5 | 93.2 | 90.5 |
| H.C. 33 | 1000 | 86.1 | 76.5 | 88.0 | 87.6 | 1000 | 1000 | 99.5 | | | | | | | | | | | | | | | | | | | | |

(Continued) Table App. 2 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (I.N. 2013 = 100.0, %)

| Hospital Centers and University Hospital Centers (1) | Other revenues as per the IS (3) | | | | | Total Revenues as per the IS (Cod. A2999) | | | | | Costs for the Purchase of Goods as per the IS (Cod. BA10) (4) | | | | | Costs for the Purchase of Non-Health Services as per the IS (Cod. BA1570) (5) | | | | |
|--|----------------------------------|--------------|--------------|--------------|--------------|---|--------------|--------------|--------------|--------------|---|--------------|--------------|--------------|--------------|---|--------------|--------------|--------------|--------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 |
| H.C. 1 | 100.0 | 115.6 | 139.6 | 153.7 | 189.3 | 100.0 | 95.8 | 101.3 | 106.7 | 107.4 | 100.0 | 99.1 | 110.8 | 119.1 | 123.4 | 100.0 | 117.0 | 99.4 | 98.5 | 93.2 |
| H.C. 2 | 100.0 | 101.6 | 140.6 | 134.0 | 471.0 | 100.0 | 108.9 | 110.0 | 115.2 | 121.3 | 100.0 | 105.4 | 120.5 | 233.8 | 272.8 | 100.0 | 111.5 | 116.2 | 117.2 | 121.5 |
| H.C. 3 | 100.0 | 88.1 | 112.7 | 93.8 | 91.8 | 100.0 | 97.3 | 101.0 | 104.2 | 105.5 | 100.0 | 99.2 | 105.0 | 112.3 | 100.0 | 101.1 | 103.5 | 109.7 | 119.0 | 119.0 |
| H.C. 4 | 100.0 | 100.7 | 117.3 | 112.2 | 101.9 | 100.0 | 96.9 | 102.5 | 108.6 | 110.8 | 100.0 | 95.1 | 100.9 | 113.0 | 116.6 | 100.0 | 106.7 | 102.7 | 101.9 | 104.7 |
| H.C. 5 | 100.0 | 39.6 | 69.8 | 70.0 | 111.0 | 100.0 | 97.5 | 97.5 | 105.6 | 106.9 | 100.0 | 95.8 | 102.5 | 106.6 | 113.4 | 100.0 | 120.8 | 120.8 | 122.0 | 126.6 |
| H.C. 6 | 100.0 | 91.1 | 117.8 | 117.7 | 79.3 | 100.0 | 97.3 | 101.0 | 101.4 | 100.6 | 100.0 | 96.8 | 106.3 | 105.9 | 109.3 | 100.0 | 94.4 | 91.6 | 88.2 | 83.4 |
| Piedmont Total | 100.0 | 90.8 | 172.8 | 176.4 | 224.1 | 100.0 | 97.6 | 101.9 | 105.0 | 106.0 | 100.0 | 98.1 | 107.5 | 114.6 | 100.0 | 100.0 | 102.5 | 100.4 | 99.7 | 99.5 |
| H.C. 7 (8) | 100.0 | -15.6 | 41.8 | -27.6 | 75.7 | 100.0 | 102.6 | 112.0 | 114.8 | 118.1 | 100.0 | 105.1 | 126.3 | 124.8 | 134.8 | 100.0 | 98.2 | 93.9 | 87.5 | 86.1 |
| H.C. 8 | 100.0 | 69.8 | 59.5 | 114.3 | 198.1 | 100.0 | 102.6 | 112.0 | 114.8 | 118.1 | 100.0 | 105.1 | 126.3 | 124.8 | 134.8 | 100.0 | 98.2 | 93.9 | 87.5 | 86.1 |
| Veneto total | 100.0 | 7.3 | 46.6 | 104.4 | 108.5 | 100.0 | 102.6 | 112.0 | 114.8 | 118.1 | 100.0 | 105.1 | 126.3 | 124.8 | 134.8 | 100.0 | 98.2 | 93.9 | 87.5 | 86.1 |
| H.C. 9 | 100.0 | 42.6 | 59.9 | 55.2 | 49.8 | 100.0 | 101.2 | 102.4 | 102.8 | 103.5 | 100.0 | 101.7 | 103.5 | 111.0 | 118.0 | 100.0 | 107.1 | 98.8 | 89.2 | 88.1 |
| H.C. 10 | 100.0 | 149.2 | 112.0 | 155.6 | 155.6 | 100.0 | 101.8 | 101.9 | 104.4 | 104.4 | 100.0 | 101.2 | 101.7 | 107.8 | 107.8 | 100.0 | 102.1 | 88.9 | 92.5 | 92.5 |
| H.C. 11 | 100.0 | 43.4 | 50.3 | 54.8 | 90.0 | 100.0 | 98.9 | 100.2 | 100.8 | 156.1 | 100.0 | 103.7 | 110.9 | 114.2 | 102.9 | 100.0 | 102.9 | 99.9 | 87.2 | 185.3 |
| H.C. 12 | 100.0 | 62.8 | 104.3 | 64.3 | 65.0 | 100.0 | 100.0 | 104.2 | 103.9 | 107.1 | 100.0 | 105.7 | 136.6 | 128.6 | 139.1 | 100.0 | 93.0 | 89.6 | 101.0 | 101.2 |
| H.C. 13 | 100.0 | 34.1 | 41.3 | 45.1 | 42.0 | 100.0 | 101.0 | 105.3 | 101.8 | 102.0 | 100.0 | 102.8 | 118.5 | 113.6 | 118.7 | 100.0 | 100.9 | 99.6 | 95.6 | 87.3 |
| E.R. Total(9) | 100.0 | 50.2 | 66.6 | 58.7 | 60.6 | 100.0 | 100.5 | 103.4 | 102.9 | 112.3 | 100.0 | 104.8 | 115.9 | 117.4 | 134.6 | 100.0 | 99.8 | 95.2 | 94.0 | 106.5 |
| North Italy Total | 100.0 | 57.3 | 81.3 | 71.0 | 91.1 | 100.0 | 99.2 | 103.0 | 105.0 | 109.6 | 100.0 | 100.8 | 114.0 | 114.0 | 123.0 | 100.0 | 99.6 | 97.0 | 94.0 | 98.8 |
| H.C. 14 (8) | 100.0 | 40.2 | 131.0 | 2.0 | -45.0 | 100.0 | 98.9 | 99.4 | 100.6 | 105.3 | 100.0 | 103.2 | 107.9 | 110.3 | 123.3 | 100.0 | 101.7 | 95.7 | 97.2 | 94.1 |
| H.C. 15 | 100.0 | 137.6 | 269.9 | 73.5 | 91.6 | 100.0 | 101.5 | 103.2 | 102.8 | 104.8 | 100.0 | 103.6 | 116.7 | 114.7 | 120.2 | 100.0 | 101.7 | 95.7 | 96.1 | 91.4 |
| Marche Total | 100.0 | 101.3 | 128.4 | 46.8 | 40.7 | 100.0 | 100.5 | 101.8 | 102.0 | 105.0 | 100.0 | 103.4 | 113.8 | 113.2 | 121.2 | 100.0 | 99.2 | 96.5 | 93.1 | 96.9 |
| H.C. 16 | 100.0 | 61.9 | 73.9 | 64.9 | 63.0 | 100.0 | 99.1 | 93.1 | 87.4 | 88.0 | 100.0 | 100.9 | 98.9 | 95.2 | 87.1 | 100.0 | 98.3 | 90.1 | 77.3 | 74.7 |
| H.C. 17 | 100.0 | 95.6 | 115.4 | 160.7 | 85.6 | 100.0 | 99.8 | 105.7 | 106.3 | 97.3 | 100.0 | 98.1 | 110.6 | 116.1 | 122.0 | 100.0 | 101.5 | 108.7 | 103.9 | 102.0 |
| H.C. 18 | 100.0 | 92.2 | 95.7 | 120.5 | 76.5 | 100.0 | 98.9 | 96.4 | 97.8 | 96.3 | 100.0 | 98.3 | 104.8 | 102.5 | 109.6 | 100.0 | 114.3 | 107.0 | 115.3 | 126.9 |
| H.C. 19 | 100.0 | 85.9 | 83.5 | 81.3 | 118.4 | 100.0 | 101.1 | 101.1 | 102.0 | 110.0 | 100.0 | 107.6 | 104.6 | 107.8 | 126.4 | 100.0 | 106.5 | 105.7 | 82.4 | 77.5 |
| H.C. 20 | 100.0 | 93.2 | 124.1 | 104.5 | 112.7 | 100.0 | 105.2 | 111.2 | 112.5 | 117.8 | 100.0 | 105.2 | 103.6 | 96.6 | 97.6 | 100.0 | 98.4 | 92.5 | 93.1 | 96.6 |
| Lazio Total | 100.0 | 84.4 | 94.1 | 106.2 | 85.0 | 100.0 | 100.3 | 99.7 | 99.1 | 99.6 | 100.0 | 102.0 | 106.4 | 101.7 | 105.9 | 100.0 | 104.9 | 100.6 | 98.5 | 98.5 |
| Central Italy Total | 100.0 | 87.6 | 100.6 | 94.9 | 76.5 | 100.0 | 100.4 | 100.3 | 99.7 | 99.1 | 100.0 | 102.0 | 106.4 | 104.6 | 109.9 | 100.0 | 103.8 | 99.8 | 95.9 | 98.2 |
| H.C. 21 (8) | 100.0 | 28.5 | -55.0 | 122.0 | 365.9 | 100.0 | 106.0 | 100.6 | 98.5 | 99.8 | 100.0 | 97.4 | 112.6 | 97.4 | 84.3 | 100.0 | 92.6 | 92.2 | 88.9 | 93.7 |
| H.C. 22 | 100.0 | 82.6 | 79.8 | 212.3 | 204.9 | 100.0 | 100.9 | 101.3 | 98.6 | 104.1 | 100.0 | 108.5 | 114.4 | 92.7 | 111.5 | 100.0 | 100.9 | 100.6 | 94.9 | 103.1 |
| Apuulia total | 100.0 | 47.7 | -2.1 | 154.1 | 308.7 | 100.0 | 104.2 | 100.9 | 98.5 | 101.2 | 100.0 | 100.9 | 113.1 | 99.1 | 92.9 | 100.0 | 95.2 | 94.8 | 90.8 | 96.3 |
| H.C. 23 | 100.0 | 220.5 | 189.3 | 172.0 | 170.0 | 100.0 | 100.9 | 102.1 | 101.7 | 105.1 | 100.0 | 97.7 | 105.1 | 109.8 | 115.9 | 100.0 | 101.8 | 103.8 | 108.2 | 107.5 |
| H.C. 24 (8) | 100.0 | 155.0 | 292.9 | 146.7 | 130.6 | 100.0 | 100.6 | 104.2 | 99.6 | 95.8 | 100.0 | 93.8 | 108.5 | 104.4 | 109.7 | 100.0 | 101.4 | 102.4 | 103.2 | 97.1 |
| H.C. 25 | 100.0 | 46.9 | 75.3 | 39.2 | 54.6 | 100.0 | 88.8 | 83.6 | 117.0 | 129.1 | 100.0 | 95.3 | 96.4 | 99.0 | 139.1 | 100.0 | 112.3 | 110.7 | 108.2 | 122.9 |
| H.C. 26 | 100.0 | 201.3 | 287.8 | 154.5 | 130.5 | 100.0 | 102.2 | 100.7 | 103.6 | 108.4 | 100.0 | 108.1 | 113.0 | 128.8 | 100.0 | 108.2 | 104.8 | 102.6 | 104.7 | 113.6 |
| Calabria Total | 100.0 | 112.7 | 164.8 | 93.4 | 94.1 | 100.0 | 99.8 | 100.3 | 103.3 | 106.0 | 100.0 | 99.2 | 105.1 | 107.4 | 100.0 | 104.2 | 103.7 | 105.9 | 107.0 | 107.0 |
| H.C. 27 | 100.0 | 192.6 | 91.7 | 173.2 | 134.8 | 100.0 | 102.8 | 103.6 | 106.3 | 105.7 | 100.0 | 101.8 | 107.7 | 113.4 | 122.4 | 100.0 | 103.5 | 103.0 | 103.0 | 97.2 |
| H.C. 28 | 100.0 | 48.0 | 99.4 | 31.5 | 116.6 | 100.0 | 100.0 | 104.5 | 107.9 | 110.7 | 100.0 | 103.3 | 127.4 | 29.3 | 133.6 | 100.0 | 94.3 | 91.2 | 89.0 | 96.7 |
| H.C. 29 | 100.0 | 119.3 | 70.0 | 53.6 | 60.3 | 100.0 | 102.4 | 105.9 | 105.6 | 101.2 | 100.0 | 104.5 | 124.9 | 25.3 | 124.0 | 100.0 | 84.8 | 79.7 | 82.9 | 85.0 |
| H.C. 30 | 100.0 | 107.4 | 70.8 | 147.9 | 226.0 | 100.0 | 111.9 | 103.9 | 102.7 | 95.5 | 100.0 | 102.8 | 114.1 | 116.2 | 123.7 | 100.0 | 90.3 | 85.2 | 84.6 | 88.5 |
| H.C. 31 | 100.0 | 78.2 | 54.3 | 95.7 | 395.5 | 100.0 | 101.6 | 107.4 | 113.3 | 114.9 | 100.0 | 103.8 | 141.6 | 139.1 | 132.0 | 100.0 | 86.0 | 77.2 | 79.4 | 92.8 |
| H.C. 32 | 100.0 | 38.6 | 29.7 | 61.6 | 133.7 | 100.0 | 101.1 | 101.3 | 100.9 | 103.5 | 100.0 | 105.9 | 116.8 | 113.0 | 123.3 | 100.0 | 97.2 | 95.3 | 98.1 | 97.1 |
| H.C. 33 | 100.0 | 83.3 | 89.4 | 158.2 | 168.3 | 100.0 | 104.8 | 104.6 | 107.8 | 101.5 | 100.0 | 103.6 | 102.1 | 109.9 | 106.0 | 100.0 | 86.4 | 81.8 | 66.7 | 63.2 |
| H.C. 34 (8) | 100.0 | -29.8 | -18.2 | 59.9 | 49.7 | 100.0 | 106.8 | 117.1 | 128.4 | 121.7 | 100.0 | 111.9 | 149.2 | 156.7 | 141.7 | 100.0 | 90.4 | 100.6 | 106.9 | 97.7 |
| Sicily Total | 100.0 | 75.7 | 59.8 | 91.1 | 109.7 | 100.0 | 103.6 | 105.7 | 108.4 | 106.0 | 100.0 | 105.3 | 122.6 | 124.8 | 126.5 | 100.0 | 91.0 | 87.6 | 87.0 | 88.2 |
| South Italy Total | 100.0 | 80.0 | 72.9 | 96.1 | 121.6 | 100.0 | 103.1 | 103.7 | 104.2 | 105.3 | 100.0 | 103.2 | 117.2 | 115.1 | 116.7 | 100.0 | 94.8 | 92.8 | 91.8 | 94.1 |
| Grand Total | 100.0 | 68.6 | 83.3 | 81.5 | 95.1 | 100.0 | 100.7 | 102.9 | 104.2 | 106.5 | 100.0 | 101.8 | 112.9 | 112.2 | 117.9 | 100.0 | 99.1 | 96.4 | 94.0 | 97.3 |

- (c) The Notes referred to in Table App. 1 are also shown in this Table relating to the Index Numbers.
- (1) The number of in-hospital stays was noted in the Management Report attached to the approved and published Financial Statements.
 - (2) Includes revenues from hospitalization in the strict sense, but also from specialist visits, File F, etc.
 - (3) The values shown represent the difference between the total revenues and revenues from health services + revenues from co-payment charges + revenues for “by-function” activities.
 - (4) These include pharmaceutical products, blood derivatives, blood, reagents, X-ray plates, chemicals, food products, stationery, fuel, etc.
 - (5) These include the costs for meal services, laundry, cleaning, etc.
 - (6) This is the difference between total costs and costs for the purchase of goods + costs for non-health care services + costs for personnel + costs for provisions. It also includes the costs for health services that are not always clearly identifiable in the financial statements, though it does not include financial charges.
 - (7) This is reported as a final result on the Income Statement.
 - (8) In some cases there are “Other Revenues” with a negative sign: this is the result of corrective items introduced when preparing the Financial Statements (e.g.: gradual repayment of advances for machinery purchases, etc. by the Region).
 - (9) In an Emilia Romagna Hospital Center (H.C. 10) the 2017 values were estimated for both revenues and costs, assuming a scenario of total continuity with respect to the previous year, because this Hospital Center, as of June 30, 2017 was merged into an AUSL. While in another Emilia Romagna Hospital Center (H.C. 11) a special unified management was enacted (a Polyclinic is more than a normal hospital), in which, however, the staff remained employed by the AUSL: hence the upward shift in hospitalizations and consequent health care and social-health revenues as well as revenues from co-payment charges and “by-function” activities, and other Revenues as well as Cost items.
 - (*) Final Balance Reports of the individual Hospital Centers and University Hospital Centers for the years indicated.
Processing of the Income Statement data of the individual Hospital Centers and University Hospital Centers, shown in Table App. 1.

Source: *survey by Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 3 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (Comp. % (°))

| Hospital Centers Hospital Centers (1) | Revenues from healthcare services and health-related social health services as per the IS (Cod. A0320) (2) | | | | | Revenues from co-payment charges for external specialist services as per the IS (Cod. A0940) | | | | | Revenues for "by-function" activities as per the I.S. (Cod. AA0030) | | | | | |
|---|--|-------------|-------------|-------------|-------------|--|------------|------------|------------|------------|---|-------------|-------------|-------------|-------------|------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C. 1 | 69.4 | 70.8 | 69.2 | 66.2 | 64.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.2 | 23.9 | 21.5 | 22.2 | 25.0 | 25.2 | |
| H.C. 2 | 69.2 | 68.6 | 66.7 | 63.8 | 61.6 | 2.5 | 2.6 | 1.7 | 1.3 | 1.8 | 24.3 | 24.8 | 25.9 | 29.6 | 21.1 | |
| H.C. 3 | 73.9 | 73.3 | 72.9 | 72.7 | 72.3 | 2.3 | 2.3 | 2.1 | 2.0 | 2.0 | 30.3 | 21.1 | 28.0 | 21.9 | 23.2 | |
| H.C. 4 | 67.5 | 67.6 | 66.4 | 65.6 | 65.5 | 1.5 | 1.4 | 1.4 | 1.3 | 1.3 | 27.4 | 27.2 | 28.0 | 29.3 | 29.9 | |
| H.C. 5 | 71.8 | 70.7 | 69.9 | 67.2 | 69.0 | 2.3 | 2.4 | 2.3 | 2.0 | 1.9 | 21.6 | 25.1 | 24.8 | 27.9 | 24.6 | |
| H.C. 6 | 53.9 | 54.3 | 53.3 | 53.1 | 53.3 | 1.5 | 1.6 | 1.3 | 1.2 | 1.2 | 36.6 | 36.6 | 33.8 | 36.3 | 39.1 | |
| Piedmont Total | 62.3 | 62.4 | 61.3 | 60.3 | 60.4 | 1.7 | 1.8 | 1.7 | 1.5 | 1.4 | 29.9 | 30.2 | 29.9 | 31.4 | 37.2 | |
| H.C. 7 (8) | 74.2 | 74.5 | 71.9 | 72.1 | 73.0 | 1.5 | 1.2 | 1.5 | 1.4 | 1.8 | 16.6 | 25.1 | 23.5 | 28.5 | 19.8 | |
| H.C. 8 | 76.8 | 76.2 | 74.5 | 75.1 | 75.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 18.9 | 20.4 | 22.6 | 20.5 | 17.7 | |
| Veneto total | 75.4 | 75.3 | 73.2 | 73.7 | 74.3 | 1.4 | 1.4 | 1.3 | 1.4 | 1.7 | 17.7 | 22.8 | 23.1 | 24.5 | 18.8 | |
| H.C. 9 | 78.0 | 78.6 | 78.7 | 78.9 | 78.5 | 1.8 | 1.8 | 1.7 | 1.8 | 1.6 | 12.7 | 16.4 | 15.1 | 15.2 | 16.2 | |
| H.C. 10 | 82.3 | 81.4 | 81.6 | 80.1 | 80.1 | 3.1 | 3.2 | 3.1 | 2.7 | 2.7 | 11.9 | 11.3 | 12.2 | 13.1 | 13.1 | |
| H.C. 11 | 78.2 | 78.8 | 77.9 | 77.1 | 78.8 | 1.2 | 1.2 | 1.2 | 1.4 | 1.3 | 12.8 | 16.5 | 17.0 | 17.2 | 15.4 | |
| H.C. 12 | 76.6 | 77.4 | 74.7 | 76.8 | 76.5 | 1.4 | 1.3 | 1.2 | 1.2 | 1.3 | 13.7 | 16.0 | 15.8 | 16.8 | 17.3 | |
| H.C. 13 | 65.3 | 65.9 | 65.3 | 65.4 | 67.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 12.0 | 25.1 | 26.6 | 23.3 | 23.7 | |
| E.R. Total (9) | 76.1 | 76.6 | 73.1 | 75.9 | 76.4 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 12.8 | 17.0 | 17.1 | 17.1 | 16.9 | |
| North Italy Total | 70.2 | 70.5 | 69.1 | 69.0 | 69.4 | 1.7 | 1.7 | 1.6 | 1.5 | 1.6 | 21.0 | 23.7 | 23.7 | 24.7 | 23.1 | |
| H.C. 14 (8) | 68.9 | 66.4 | 64.6 | 65.6 | 69.4 | 1.5 | 1.5 | 1.5 | 1.5 | 1.2 | 1.1 | 1.2 | 1.1 | 1.2 | 1.1 | |
| H.C. 15 | 75.1 | 69.2 | 67.3 | 71.2 | 72.5 | 1.2 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 | 1.8 | 24.2 | 26.7 | 24.8 | 22.9 |
| Marche Total | 72.8 | 68.2 | 66.3 | 69.2 | 71.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 21.9 | 26.5 | 27.4 | 27.7 | 25.8 | |
| H.C. 16 | 72.6 | 72.3 | 75.2 | 77.1 | 76.6 | 1.9 | 1.9 | 1.9 | 1.7 | 1.6 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | |
| H.C. 17 | 74.2 | 69.3 | 74.5 | 72.1 | 78.8 | 2.1 | 2.0 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | |
| H.C. 18 | 69.7 | 67.5 | 71.4 | 70.8 | 73.7 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 30.9 | 23.6 | 19.3 | 18.3 | 18.5 | |
| H.C. 19 | 76.2 | 75.4 | 78.1 | 79.3 | 77.6 | 2.7 | 2.5 | 2.4 | 2.4 | 2.3 | 2.0 | 11.2 | 13.6 | 11.4 | 10.3 | 9.7 |
| H.C. 20 | 78.9 | 78.6 | 79.2 | 80.2 | 79.2 | 2.8 | 2.5 | 2.3 | 2.2 | 2.2 | 1.8 | 14.6 | 15.6 | 14.3 | 14.1 | 13.5 |
| Lazio Total | 73.3 | 71.8 | 74.9 | 75.2 | 76.6 | 2.4 | 2.3 | 2.1 | 2.1 | 1.9 | 16.9 | 19.7 | 13.9 | 14.9 | 15.2 | |
| Central Italy Total | 73.1 | 70.7 | 72.3 | 73.3 | 74.9 | 2.1 | 2.0 | 1.9 | 1.8 | 1.8 | 18.5 | 21.8 | 19.5 | 18.9 | 18.6 | |
| H.C. 21 (8) | 63.3 | 60.9 | 66.7 | 64.0 | 60.0 | 1.3 | 1.1 | 1.1 | 1.1 | 1.0 | 34.0 | 37.6 | 32.9 | 33.3 | 33.9 | |
| H.C. 22 | 65.9 | 65.3 | 68.7 | 66.2 | 66.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 31.6 | 32.4 | 29.0 | 29.7 | 30.0 | |
| Apulia total | 64.2 | 62.4 | 67.4 | 64.7 | 62.2 | 1.2 | 1.1 | 1.2 | 1.0 | 1.0 | 33.2 | 35.8 | 31.6 | 32.1 | 32.5 | |
| H.C. 23 | 52.4 | 51.5 | 50.6 | 61.7 | 60.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.1 | 45.1 | 44.5 | 45.9 | 34.9 | 36.7 | |
| H.C. 24 (8) | 56.1 | 55.9 | 54.1 | 60.2 | 68.3 | 1.5 | 1.4 | 1.4 | 1.5 | 1.4 | 39.9 | 38.9 | 37.6 | 34.7 | 26.9 | |
| H.C. 25 | 55.0 | 62.2 | 78.7 | 61.5 | 69.0 | 2.7 | 2.8 | 2.9 | 2.0 | 1.9 | 22.8 | 24.8 | 0.8 | 30.0 | 20.9 | |
| H.C. 26 | 57.5 | 55.7 | 55.9 | 60.8 | 62.8 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 38.9 | 38.0 | 35.4 | 34.3 | 33.2 | |
| Calabria Total | 55.2 | 53.0 | 55.8 | 61.0 | 64.2 | 1.4 | 1.3 | 1.3 | 1.2 | 1.2 | 39.4 | 39.0 | 36.3 | 34.1 | 31.0 | |
| H.C. 27 | 62.3 | 58.4 | 61.9 | 60.3 | 65.7 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 | 35.7 | 34.9 | 34.5 | 33.7 | 29.4 | |
| H.C. 28 | 65.2 | 63.4 | 65.6 | 68.8 | 67.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.9 | 30.1 | 33.8 | 30.0 | 29.2 | 28.3 | |
| H.C. 29 | 56.0 | 55.0 | 58.3 | 60.2 | 61.7 | 1.1 | 1.0 | 1.0 | 1.0 | 0.9 | 35.8 | 35.7 | 35.9 | 35.2 | 33.1 | |
| H.C. 30 | 51.4 | 44.0 | 49.2 | 51.3 | 53.5 | 0.7 | 0.6 | 0.7 | 0.6 | 0.6 | 45.0 | 52.6 | 48.1 | 43.9 | 39.0 | |
| H.C. 31 | 63.9 | 65.4 | 69.4 | 69.9 | 68.2 | 1.4 | 1.3 | 1.2 | 1.1 | 1.1 | 31.2 | 30.6 | 27.6 | 26.0 | 29.0 | |
| H.C. 32 | 54.2 | 52.6 | 56.4 | 59.3 | 57.9 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | 40.3 | 44.8 | 41.6 | 37.2 | 35.2 | |
| H.C. 33 | 48.4 | 45.9 | 46.1 | 47.7 | 49.4 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 44.0 | 48.0 | 47.4 | 41.5 | 38.5 | |
| H.C. 34 (8) | 61.0 | 57.0 | 60.6 | 65.1 | 64.0 | 0.9 | 0.8 | 0.8 | 0.7 | 0.7 | 31.0 | 40.1 | 39.8 | 30.9 | 32.4 | |
| Sicily Total | 57.0 | 54.5 | 57.8 | 59.8 | 60.5 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 36.8 | 40.8 | 38.5 | 35.0 | 33.3 | |
| South Italy Total | 58.2 | 56.4 | 59.5 | 61.0 | 61.5 | 1.1 | 1.0 | 1.0 | 0.9 | 0.9 | 36.5 | 39.4 | 36.6 | 34.2 | 32.7 | |
| Grand Total | 66.9 | 65.8 | 66.3 | 67.2 | 67.9 | 1.6 | 1.5 | 1.4 | 1.4 | 1.4 | 25.6 | 28.6 | 27.2 | 26.8 | 25.4 | |

(Continued) Table App. 3 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (Comp. %)

| Hospital Centers (I) | Other revenues as per the IS | | | | | | Total Revenues as per the IS (Cod. AZ999) | | | | | | Cost for the Purchase of Goods (Cod. BA010) | | | | | | Cost for the Purchase of Non-Health Services (Cod. BA1570) | | | | | |
|----------------------------|------------------------------|------------|-------------|------------|------------|--------------|---|--------------|--------------|--------------|-------------|-------------|---|-------------|-------------|-------------|-------------|-------------|--|-------------|------|------|------|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | | 2013 | 2014 | 2015 | 2016 | 2017 | | 2013 | 2014 | 2015 | 2016 | 2017 | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| H.C.1 | 5.0 | 6.1 | 6.9 | 7.2 | 8.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 30.0 | 30.0 | 33.1 | 34.8 | 35.8 | 7.4 | 8.6 | 9.2 | 9.1 | 6.6 | | | |
| H.C.2 | 4.0 | 4.0 | 5.2 | 4.7 | 15.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 20.4 | 23.9 | 25.4 | 25.6 | 27.1 | 10.1 | 10.3 | 10.4 | 10.7 | 11.4 | | | | |
| H.C.3 | 3.5 | 3.2 | 3.9 | 3.1 | 3.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.5 | 25.4 | 26.5 | 27.2 | 27.1 | 10.4 | 11.0 | 10.2 | 9.9 | 10.1 | | | | |
| H.C.4 | 3.7 | 3.8 | 4.2 | 3.8 | 3.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 24.7 | 23.4 | 23.8 | 26.1 | 26.9 | 10.4 | 11.0 | 10.2 | 9.9 | 10.1 | | | | |
| H.C.5 | 4.4 | 1.8 | 3.1 | 2.9 | 4.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 21.1 | 22.3 | 22.8 | 23.5 | 24.5 | 8.0 | 9.8 | 9.4 | 9.4 | 9.5 | | | | |
| H.C.6 | 8.0 | 7.5 | 9.4 | 9.3 | 6.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 21.9 | 21.4 | 23.1 | 23.1 | 23.7 | 8.7 | 8.2 | 7.9 | 7.6 | 7.1 | | | | |
| Piemonte Total | 6.0 | 5.6 | 6.9 | 6.6 | 7.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 23.6 | 23.1 | 24.6 | 25.2 | 25.5 | 8.9 | 9.1 | 8.7 | 8.5 | 8.3 | | | | |
| H.C.7 (8) | 7.6 | -1.2 | 3.1 | -2.0 | 5.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 32.5 | 32.1 | 35.2 | 34.8 | 35.7 | 10.7 | 10.8 | 10.4 | 9.5 | 8.9 | | | | |
| H.C.8 | 3.1 | 2.1 | 1.6 | 3.0 | 5.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 26.7 | 28.2 | 31.3 | 30.2 | 31.7 | 14.1 | 13.6 | 12.2 | 11.2 | 10.7 | | | | |
| Veneto total | 5.4 | 6.4 | 2.4 | 6.5 | 5.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 29.8 | 30.2 | 33.3 | 32.5 | 36.4 | 12.3 | 12.1 | 11.5 | 10.4 | 10.2 | | | | |
| H.C.9 | 7.6 | 3.2 | 4.4 | 4.1 | 3.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 23.0 | 24.5 | 23.3 | 25.0 | 26.4 | 11.9 | 12.0 | 11.5 | 10.4 | 10.2 | | | | |
| H.C.10 | 2.8 | 4.1 | 3.1 | 4.2 | 4.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 18.2 | 18.2 | 18.2 | 18.8 | 18.8 | 11.5 | 11.0 | 10.0 | 10.2 | 10.2 | | | | |
| H.C.11 | 7.8 | 3.4 | 3.9 | 4.2 | 4.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 20.4 | 22.9 | 23.4 | 25.3 | 25.3 | 12.2 | 12.6 | 12.1 | 10.5 | 14.2 | | | | |
| H.C.12 | 8.3 | 5.2 | 8.3 | 5.1 | 4.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 19.5 | 24.7 | 30.3 | 28.7 | 30.4 | 10.5 | 9.7 | 8.9 | 10.1 | 9.9 | | | | |
| H.C.13 | 20.6 | 7.0 | 8.1 | 9.2 | 8.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 19.8 | 20.3 | 22.7 | 22.2 | 23.0 | 15.7 | 15.8 | 15.2 | 14.8 | 13.4 | | | | |
| E.R. Total (9) | 9.3 | 4.6 | 6.0 | 5.3 | 5.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 21.5 | 22.4 | 24.6 | 24.5 | 25.7 | 12.1 | 11.9 | 11.1 | 11.0 | 11.4 | | | | |
| North Italy Total | 7.1 | 4.1 | 5.6 | 4.8 | 3.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 24.2 | 24.4 | 26.6 | 26.6 | 27.4 | 10.8 | 10.8 | 10.1 | 9.8 | 9.8 | | | | |
| H.C.14 (8) | 4.0 | 1.6 | 5.2 | 0.1 | -1.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 29.2 | 29.8 | 33.1 | 32.4 | 33.1 | 6.8 | 6.8 | 6.3 | 6.3 | 5.8 | | | | |
| H.C.15 | 4.0 | 5.4 | 4.9 | 2.8 | 3.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 29.2 | 29.8 | 33.1 | 32.4 | 33.1 | 6.8 | 6.8 | 6.3 | 6.3 | 5.8 | | | | |
| Marche Total | 4.0 | 4.0 | 5.0 | 1.8 | 1.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 27.6 | 28.3 | 30.8 | 30.5 | 31.6 | 8.4 | 8.3 | 8.0 | 7.8 | 7.7 | | | | |
| H.C.16 | 7.3 | 4.6 | 5.8 | 5.5 | 5.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 18.4 | 18.6 | 19.2 | 19.0 | 18.1 | 9.9 | 9.7 | 9.4 | 8.3 | 8.4 | | | | |
| H.C.17 | 10.9 | 10.4 | 11.9 | 16.4 | 9.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 16.3 | 16.4 | 16.9 | 18.5 | 20.8 | 11.4 | 11.9 | 11.6 | 11.6 | 12.2 | | | | |
| H.C.18 | 7.0 | 6.5 | 6.9 | 8.6 | 5.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 32.2 | 32.3 | 34.0 | 31.6 | 35.2 | 11.3 | 13.2 | 12.2 | 12.5 | 14.3 | | | | |
| H.C.19 | 9.9 | 8.4 | 8.2 | 7.9 | 10.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.8 | 27.5 | 26.6 | 28.3 | 32.1 | 14.0 | 14.7 | 14.5 | 11.7 | 10.6 | | | | |
| H.C.20 | 3.7 | 3.3 | 4.2 | 3.5 | 3.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 37.2 | 37.6 | 37.8 | 36.4 | 37.8 | 13.0 | 12.3 | 11.8 | 12.3 | 13.1 | | | | |
| Lazio Total | 7.4 | 6.2 | 7.0 | 7.9 | 6.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 26.2 | 26.7 | 27.3 | 26.9 | 29.0 | 11.6 | 12.1 | 11.6 | 11.2 | 11.9 | | | | |
| Central Italy Total | 6.4 | 5.3 | 6.4 | 6.0 | 4.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 26.6 | 27.1 | 28.2 | 27.8 | 29.7 | 10.8 | 11.2 | 10.7 | 10.3 | 10.8 | | | | |
| H.C.21 (8) | 1.4 | 0.4 | -0.8 | 1.7 | 5.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 33.0 | 31.8 | 35.8 | 32.1 | 28.5 | 12.7 | 11.7 | 11.3 | 11.4 | 12.2 | | | | |
| H.C.22 | 1.4 | 1.2 | 1.1 | 3.1 | 2.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 30.6 | 32.5 | 33.6 | 31.1 | 32.1 | 11.7 | 11.5 | 11.3 | 11.0 | 11.2 | | | | |
| Apuulia total | 1.4 | 0.6 | -0.1 | 2.2 | 4.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 32.2 | 30.3 | 35.1 | 31.8 | 29.8 | 12.4 | 11.6 | 11.3 | 11.2 | 11.9 | | | | |
| H.C.23 | 1.3 | 2.9 | 2.5 | 2.3 | 2.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 21.1 | 20.2 | 21.3 | 22.2 | 23.2 | 13.9 | 14.0 | 13.9 | 14.5 | 14.2 | | | | |
| H.C.24 (8) | 2.5 | 3.8 | 6.9 | 3.6 | 3.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 21.2 | 20.2 | 22.4 | 21.4 | 21.7 | 13.0 | 13.4 | 13.0 | 13.0 | 11.8 | | | | |
| H.C.25 | 19.5 | 10.3 | 17.6 | 6.5 | 8.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 32.1 | 30.2 | 28.5 | 25.2 | 34.8 | 8.9 | 9.8 | 9.0 | 7.6 | 8.5 | | | | |
| H.C.26 | 2.7 | 5.3 | 7.7 | 4.0 | 3.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 23.4 | 24.8 | 25.0 | 25.6 | 27.3 | 9.7 | 10.4 | 9.9 | 9.8 | 10.0 | | | | |
| Calabria Total | 4.1 | 4.6 | 6.7 | 3.7 | 3.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 23.2 | 22.8 | 23.6 | 23.3 | 25.6 | 11.9 | 12.3 | 11.9 | 11.8 | 11.3 | | | | |
| H.C.27 | 3.2 | 6.0 | 2.9 | 5.3 | 4.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 24.6 | 24.5 | 25.3 | 25.6 | 28.0 | 11.5 | 11.7 | 11.4 | 10.9 | 10.4 | | | | |
| H.C.28 | 3.6 | 1.8 | 3.5 | 1.1 | 3.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 30.1 | 31.0 | 35.4 | 35.8 | 36.5 | 9.0 | 7.5 | 6.8 | 7.1 | 7.0 | | | | |
| H.C.29 | 7.1 | 8.3 | 4.7 | 3.6 | 4.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.5 | 24.8 | 28.5 | 27.8 | 27.9 | 8.1 | 7.7 | 7.1 | 6.6 | 7.0 | | | | |
| H.C.30 | 2.9 | 2.8 | 2.0 | 4.2 | 6.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 18.5 | 17.9 | 20.1 | 20.1 | 23.6 | 9.3 | 7.7 | 7.3 | 7.4 | 8.5 | | | | |
| H.C.31 | 3.5 | 2.7 | 1.8 | 2.9 | 1.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 30.0 | 30.8 | 30.8 | 30.8 | 30.8 | 13.4 | 11.4 | 9.6 | 9.3 | 10.7 | | | | |
| H.C.32 | 4.8 | 1.8 | 1.4 | 2.9 | 6.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.9 | 26.7 | 28.7 | 27.6 | 23.9 | 9.2 | 8.0 | 8.5 | 8.7 | 8.4 | | | | |
| H.C.33 | 7.0 | 5.6 | 6.0 | 10.3 | 11.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 22.2 | 22.3 | 23.2 | 23.9 | 23.9 | 9.0 | 7.5 | 7.0 | 5.5 | 5.6 | | | | |
| H.C.34 (8) | 5.1 | -2.0 | -1.1 | 3.3 | 2.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 29.1 | 31.2 | 37.5 | 35.8 | 33.9 | 7.5 | 6.5 | 6.5 | 6.0 | 6.0 | | | | |
| Sicily Total | 7.3 | 3.8 | 3.0 | 4.4 | 5.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.2 | 25.9 | 29.0 | 28.6 | 29.7 | 9.5 | 8.4 | 7.8 | 7.5 | 7.8 | | | | |
| South Italy Total | 4.2 | 3.3 | 3.0 | 3.8 | 4.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 26.4 | 26.7 | 29.4 | 28.3 | 28.9 | 10.6 | 9.8 | 9.3 | 9.0 | 9.3 | | | | |
| Grand Total | 6.0 | 4.1 | 4.9 | 4.7 | 5.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 25.4 | 25.7 | 27.8 | 27.4 | 28.4 | 10.7 | 10.6 | 10.0 | 9.7 | 9.9 | | | | |

(Continued) Table App. 3 – Comparison of 2013 to 2017 data for revenues and costs of Hospital Centers as per the Income Statement (Comp. %) (%)

| Hospital Centers and University Hospital Centers (I) | Personnel costs (Cod. BA26980) | | | | | | | | | | Provisions (Cod. BA26990) | | | | | | | | | | Other costs | | | | | | Total costs | | | | | |
|--|--------------------------------|------|------|------|------|------|------|------|------|------|---------------------------|------|------|------|------|------|------|------|------|------|-------------|------|------|------|------|------|-------------|------|------|------|--|--|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | | |
| | 45.0 | 44.8 | 43.6 | 41.1 | 41.5 | 1.8 | 1.6 | 1.5 | 1.8 | 1.9 | 1.8 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | 1.9 | 1.8 | 1.9 | 1.8 | | |
| Piedmont Total | 48.7 | 48.6 | 47.8 | 47.1 | 46.2 | 1.3 | 0.8 | 0.9 | 1.0 | 1.4 | 1.7 | 1.4 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| H.C. 7 (8) | 36.0 | 35.3 | 35.9 | 36.4 | 35.8 | 3.7 | 3.2 | 1.9 | 2.2 | 2.6 | 17.2 | 17.6 | 16.7 | 16.7 | 17.1 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | | |
| H.C. 8 | 44.1 | 42.8 | 39.5 | 38.9 | 37.7 | 1.1 | 0.9 | 1.4 | 3.1 | 3.0 | 14.0 | 14.5 | 15.6 | 16.7 | 17.1 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | | |
| Veneto total | 39.8 | 39.4 | 37.6 | 36.7 | 36.7 | 2.4 | 2.1 | 1.6 | 2.6 | 2.8 | 16.2 | 16.2 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | | |
| H.C. 9 | 45.7 | 45.1 | 45.1 | 45.4 | 45.3 | 0.9 | 0.7 | 1.4 | 2.3 | 1.3 | 18.5 | 17.6 | 18.8 | 17.0 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | | |
| H.C. 10 | 49.2 | 49.4 | 49.5 | 48.7 | 48.7 | 0.8 | 1.6 | 0.2 | 2.1 | 2.1 | 20.3 | 19.9 | 22.2 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | | |
| H.C. 11 | 42.9 | 43.7 | 43.3 | 43.1 | 27.7 | 2.5 | 1.3 | 2.1 | 4.0 | 2.3 | 20.7 | 19.6 | 18.9 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | | |
| H.C. 12 | 41.7 | 40.6 | 37.9 | 37.8 | 38.0 | 3.2 | 5.1 | 3.7 | 2.0 | 1.8 | 21.2 | 19.9 | 19.3 | 21.4 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | | |
| H.C. 13 | 42.6 | 41.7 | 40.3 | 41 | 40.8 | 1.1 | 0.9 | 1.5 | 1.6 | 1.5 | 20.8 | 21.3 | 20.4 | 57.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | 21.3 | | |
| E.R. Total (9) | 44.1 | 43.6 | 42.4 | 36.2 | 39.3 | 1.9 | 2.3 | 2.0 | 2.3 | 1.8 | 20.3 | 19.8 | 19.9 | 26.0 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | | |
| North Italy Total | 48.2 | 48.4 | 47.5 | 47.1 | 45.9 | 2.9 | 3.8 | 3.5 | 4.5 | 3.5 | 12.9 | 11.3 | 11.2 | 10.9 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | | |
| H.C. 14 (8) | 45.2 | 44.2 | 43.0 | 43.5 | 43.7 | 3.1 | 3.1 | 2.4 | 2.3 | 2.5 | 15.7 | 16.0 | 15.3 | 15.6 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | | |
| Marche Total | 46.3 | 45.8 | 44.6 | 44.8 | 44.5 | 3.0 | 3.3 | 2.8 | 3.1 | 2.9 | 14.7 | 14.3 | 13.8 | 13.8 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | | |
| H.C. 16 | 51.8 | 50.6 | 52.5 | 53.7 | 54.9 | 2.1 | 2.3 | 1.7 | 3.8 | 3.9 | 17.9 | 18.8 | 17.2 | 15.2 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | | |
| H.C. 17 | 52.4 | 47.7 | 50.0 | 53.0 | 53.0 | 2.5 | 4.5 | 6.9 | 2.6 | 4.0 | 17.1 | 14.9 | 16.8 | 17.2 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | | |
| H.C. 18 | 22.2 | 22.1 | 23.2 | 25.4 | 26.2 | 8.4 | 8.8 | 7.0 | 7.3 | 2.3 | 25.9 | 23.6 | 23.6 | 23.3 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | | |
| H.C. 19 | 40.0 | 39.7 | 39.8 | 41.1 | 39.7 | 1.4 | 3.0 | 2.8 | 3.4 | 3.6 | 18.8 | 15.1 | 16.3 | 15.5 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | | |
| H.C. 20 | 19.2 | 18.2 | 18.7 | 20.5 | 22.5 | 1.0 | 2.5 | 4.0 | 2.5 | 2.9 | 6.2 | 29.3 | 28.1 | 26.7 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | | |
| Lazio Total | 36.2 | 35.5 | 35.8 | 37.2 | 38.3 | 3.8 | 4.7 | 4.5 | 4.7 | 4.3 | 2.2 | 20.9 | 20.7 | 19.9 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | | |
| Central Italy Total | 36.7 | 38.1 | 38.0 | 39.2 | 39.9 | 3.6 | 4.4 | 4.1 | 4.3 | 3.1 | 20.3 | 19.3 | 19.0 | 18.4 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | | |
| H.C. 21 (2) | 40.9 | 40.3 | 40.1 | 41.0 | 42.0 | 1.9 | 3.0 | 0.4 | 0.7 | 1.9 | 10.4 | 10.5 | 12.3 | 14.9 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | | |
| H.C. 22 (8) | 46.0 | 45.2 | 44.8 | 46.9 | 44.8 | 1.3 | 2.3 | 2.0 | 1.6 | 2.4 | 10.4 | 8.5 | 8.3 | 9.4 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | | |
| Apulia total | 42.6 | 42.0 | 41.7 | 43.0 | 43.0 | 1.7 | 2.8 | 0.9 | 1.0 | 2.1 | 11.2 | 11.6 | 11.0 | 13.0 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | | |
| H.C. 23 | 57.4 | 55.5 | 53.5 | 53.3 | 53.1 | 1.9 | 3.5 | 3.6 | 2.2 | 2.6 | 5.7 | 6.7 | 7.7 | 7.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | | |
| H.C. 24 (8) | 56.6 | 56.7 | 54.7 | 54.1 | 55.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.9 | 8.3 | 8.9 | 9.1 | 10.7 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | | |
| H.C. 25 (8) | 44.4 | 43.7 | 41.0 | 34.8 | 40.8 | 4.5 | 3.1 | 2.9 | 3.1 | 0.6 | 10.2 | 13.2 | 18.6 | 29.4 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | | |
| H.C. 26 | 53.1 | 51.5 | 51.1 | 51.1 | 50.3 | 2.1 | 1.8 | 2.1 | 1.6 | 1.1 | 11.7 | 11.5 | 11.8 | 11.9 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | | |
| Calabria Total | 54.3 | 53.2 | 51.5 | 50.2 | 51.0 | 2.0 | 2.2 | 2.3 | 1.8 | 1.4 | 8.6 | 9.3 | 10.6 | 12.9 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | | |
| H.C. 27 (8) | 46.6 | 45.3 | 44.4 | 42.4 | 43.4 | 3.5 | 4.9 | 4.8 | 7.8 | 4.0 | 13.8 | 13.6 | 14.1 | 13.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | | |
| H.C. 28 | 50.2 | 50.3 | 47.6 | 46.0 | 46.4 | 3.7 | 4.7 | 4.2 | 4.1 | 2.7 | 14.4 | 12.4 | 12.5 | 15.5 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | | |
| H.C. 29 | 41.9 | 40.5 | 38.1 | 38.3 | 40.0 | 2.3 | 3.4 | 4.4 | 4.7 | 4.4 | 16.7 | 17.6 | 15.4 | 14.0 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | | |
| H.C. 30 | 58.4 | 52.8 | 52.9 | 48.3 | 47.6 | 2.0 | 6.1 | 6.2 | 10.0 | 5.4 | 11.7 | 15.5 | 13.4 | 14.2 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | | |
| H.C. 31 | 49.4 | 48.8 | 47.0 | 44.4 | 42.1 | 3.8 | 4.5 | 3.1 | 4.3 | 2.3 | 9.9 | 10.8 | 9.4 | 13.5 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | | |
| H.C. 32 | 53.2 | 51.3 | 50.0 | 49.5 | 48.5 | 2.6 | 3.2 | 4.5 | 2.9 | 2.7 | 9.5 | 8.9 | 8.4 | 11.1 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | | |
| H.C. 33 | 51.2 | 48.3 | 46.9 | 44.4 | 47.5 | 3.8 | 5.6 | 7.0 | 9.1 | 4.6 | 13.0 | 15.8 | 16.8 | 17.7 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | | |
| H.C. 34 (8) | 31.7 | 29.8 | 27.3 | 25.5 | 27.1 | 2.0 | 1.6 | 1.6 | 1.7 | 1.7 | 1.6 | 29.1 | 30.9 | 27.1 | 30.7 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | | |
| Sicily Total | 47.6 | 45.7 | 43.9 | 42.1 | 41.8 | 3.0 | 4.2 | 4.6 | 5.5 | 3.5 | 14.7 | 15.8 | 17.8 | 14.8 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | | |
| South Italy Total | 47.7 | 46.2 | 44.7 | 43.7 | 43.8 | 2.5 | 3.5 | 3.4 | 3.9 | 2.8 | 12.8 | 13.7 | 13.2 | 15.0 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | | |
| Grand Total | 44.5 | 43.7 | 42.7 | 41.5 | 41.9 | 2.4 | 2.8 | 2.6 | 3.0 | 2.4 | 17.0 | 17.1 | 16.8 | 18.4 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | |

- (c) The Notes referred to in Table 1 are also shown in this Table relating to the percentage composition.
- (1) The number of in-hospital stays was noted in the Management Report attached to the approved and published Financial Statements.
 - (2) Includes revenues from hospitalization in the strict sense, but also from specialist visits, File F, etc.
 - (3) The values shown represent the difference between the total revenues and revenues from health services + revenues from co-payment charges + revenues for “by-function” activities.
 - (4) These include pharmaceutical products, blood derivatives, blood, reagents, X-ray plates, chemicals, food products, stationery, fuel, etc.
 - (5) These include the costs for meal services, laundry, cleaning, etc.
 - (6) This is the difference between total costs and costs for the purchase of goods + costs for non-health care services + costs for personnel + costs for provisions. It also includes the costs for health services that are not always clearly identifiable in the financial statements, though it does not include financial charges.
 - (7) This is reported as a final result on the Income Statement.
 - (8) In some cases there are “Other Revenues” with a negative sign: this is the result of corrective items introduced when preparing the Financial Statements (e.g.: gradual repayment of advances for machinery purchases, etc. by the Region).
 - (9) In an Emilia Romagna Hospital Center (H.C. 10) the 2017 values were estimated for both revenues and costs, assuming a scenario of total continuity with respect to the previous year, because this Hospital Center, as of June 30, 2017 was merged into an AUSL. While in another Emilia Romagna Hospital Center (H.C. 11) a special unified management was enacted (a Polyclinic is more than a normal hospital), in which, however, the staff remained employed by the AUSL: hence the upward shift in hospitalizations and consequent health care and social-health revenues as well as revenues from co-payment charges and “by-function” activities, and other Revenues as well as Cost items.
 - (*) Final Balance Reports of the individual Hospital Centers and University Hospital Centers for the years indicated.
Processing of the Income Statement data of the individual Hospital Centers and University Hospital Centers, shown in Table App. 1.

Source: *survey by Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 4 – Revenues exceeding the limit of 30% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 30% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | COUNTRYVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DECREE UP TO A MAXIMUM OF 30% | DIFFERENCE (D = C – B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|---------|---|---|---------------------------|--|---------------------------------|
| | A | B | | | | | |
| H.C.1 | 27.7 | | | | | 1,926 | 1,926 |
| H.C.2 | 25.0 | | | | | - 2,406 | - 2,406 |
| H.C.3 | 22.9 | | | | | | - |
| H.C.4 | 30.9 | 75.350 | 72.236 | - 3,114 | 1,180 | - 1,934 | |
| H.C.5 | 25.7 | - | - | - | - 1,495 | - 1,495 | |
| H.C.6 | 41.8 | 394.630 | 235.631 | - 158,999 | - 17,478 | - 176,477 | |
| <i>Piedmont Total</i> | 33.5 | 469.980 | 307.867 | - 162,113 | - 18,273 | - 180,386 | |
| H.C.7 | 21.0 | | | | | | |
| H.C.8 | 18.7 | | | | | | |
| H.C.8 | 18.7 | | | | | | |
| <i>Veneto total</i> | 19.8 | | | | | | |
| H.C.9 | 16.8 | | | | | | |
| H.C.10 | 13.7 | | | | | | |
| H.C.11 | 16.2 | | | | | | |
| H.C.12 | 18.2 | | | | | | |
| H.C.13 | 24.8 | | | | | | |
| <i>Emilia Romagna Total</i> | 17.8 | | | | | | |
| NORTH ITALY TOTAL | 24.5 | 469.980 | 307.867 | - 162,113 | - 18,273 | - 180,386 | |
| H.C.14 | 30.2 | 71,190 | 70,525 | - 665 | | - 665 | |
| H.C.15 | 23.7 | | | | | | |
| <i>Marche Total</i> | 26.2 | 71,190 | 70,525 | - 665 | | - 665 | |
| H.C.16 | 17.7 | | | | | - 130,712 | - 130,712 |
| H.C.17 | 11.0 | | | | | - 83,599 | - 83,599 |
| H.C.18 | 19.6 | | | | | - 104,166 | - 104,166 |
| H.C.19 | 10.9 | | | | | - 41,510 | - 41,510 |
| H.C.20 | 16.0 | | | | | - 24,902 | - 24,902 |
| <i>Lazio Total</i> | 16.3 | | | | | - 384,889 | - 384,889 |
| CENTRAL ITALY TOTAL | 19.5 | 71,190 | 70,525 | - 665 | | - 384,889 | - 384,889 |
| | | | | | | | - 385,554 |

(Continued) Table App. 4 – Revenues exceeding the limit of 30% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 30% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | | COUNTERVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DEGREE UP TO A MAXIMUM OF 30% | | DIFFERENCE (D = C - B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|----------------|--|-----------------|---|-----------------|---------------------------|--|---------------------------------|
| | A | B | C | D | E | F | | | |
| H.C. 21 | 35.7 | 160,050 | 123,382 | -36,668 | -9,740 | -46,408 | | | |
| H.C. 22 | 30.9 | 78,004 | 74,728 | -3,276 | - | -3,276 | | | |
| <i>Apulia total</i> | 34.0 | 238,054 | 198,110 | -39,944 | -9,740 | -49,684 | | | |
| H.C. 23 | 37.5 | - | - | - | - | - | | | |
| H.C. 24 | 27.9 | - | - | - | -12,930 | -12,930 | | | |
| H.C. 25 | 22.8 | - | - | - | -12,319 | -12,319 | | | |
| H.C. 26 | 34.4 | 59,323 | 48,587 | -10,736 | - | -10,736 | | | |
| <i>Calabria Total</i> | 32.2 | 59,323 | 48,587 | -10,736 | -25,249 | -35,985 | | | |
| H.C. 27 | 30.7 | - | - | - | - | - | | | |
| H.C. 28 | 29.4 | - | - | - | - | - | | | |
| H.C. 29 | 34.6 | 128,190 | 103,872 | -24,318 | - | -24,318 | | | |
| H.C. 30 | 41.9 | 65,797 | 39,113 | -26,684 | - | -26,684 | | | |
| H.C. 31 | 29.5 | - | - | - | - | - | | | |
| H.C. 32 | 37.6 | 106,019 | 75,489 | -30,530 | - | -30,530 | | | |
| H.C. 33 | 43.6 | 130,427 | 72,438 | -57,989 | - | -57,989 | | | |
| H.C. 34 | 33.4 | 78,493 | 67,196 | -11,297 | - | -11,297 | | | |
| <i>Sicily Total</i> | 35.2 | 508,926 | 358,108 | -150,818 | -34,989 | -150,818 | | | |
| <i>SOUTH ITALY TOTAL</i> | 34.4 | 806,303 | 604,805 | -201,498 | -236,487 | -236,487 | | | |
| OVERALL TOTAL | 26.8 | 1,347,473 | 983,197 | -364,276 | -438,151 | -802,427 | | | |

(1) The values contained in the last column of Table 25 are shown (those above 30.0% are in bold).

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 5 – Revenues exceeding the limit of 25% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 30% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | COUNTERVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DECREE UP TO A MAXIMUM OF 25% | DIFFERENCE (D = C – B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|---------|---|---|---------------------------|--|---------------------------------|
| | A | B | | | | | |
| H.C. 1 | 27.7 | 41,647 | 36,248 | -5,399 | 1,926 | -3,473 | |
| H.C. 2 | 25.0 | 67,365 | 67,326 | -39 | -2,406 | -2,445 | |
| H.C. 3 | 22.9 | | | | | 0 | |
| H.C. 4 | 30.9 | 75,350 | 56,183 | -19,167 | 1,180 | -17,987 | |
| H.C. 5 | 25.7 | 46,076 | 44,318 | -1,758 | -1,495 | -3,253 | |
| H.C. 6 | 41.8 | 394,630 | 183,268 | -211,362 | -17,478 | -228,840 | |
| <i>Piedmont Total</i> | 33.5 | 625,068 | 387,343 | -237,725 | -18,273 | -255,998 | |
| H.C. 7 | 21.0 | | | | | 0 | |
| H.C. 8 | 18.7 | | | | | 0 | |
| H.C. 8 | 19.8 | - | | | | 0 | |
| <i>Veneto total</i> | 16.8 | | | | | 0 | |
| H.C. 9 | 16.8 | | | | | 0 | |
| H.C. 10 | 13.7 | | | | | 0 | |
| H.C. 11 | 16.2 | | | | | 0 | |
| H.C. 12 | 18.2 | | | | | 0 | |
| H.C. 13 | 24.8 | | | | | 0 | |
| <i>Emilia Romagna Total</i> | 17.8 | - | | | | 0 | |
| NORTH ITALY TOTAL | 24.5 | 625,068 | 387,343 | -237,725 | -18,273 | -255,998 | |
| H.C. 14 | 30.2 | 71,190 | 54,853 | -16,337 | | -16,337 | |
| H.C. 15 | 23.7 | | | | | 0 | |
| <i>Marche Total</i> | 26.2 | 71,190 | 54,853 | -16,337 | | -16,337 | |
| H.C. 16 | 17.7 | | | | | -130,712 | |
| H.C. 17 | 11.0 | | | | | -83,599 | |
| H.C. 18 | 19.6 | | | | | -104,166 | |
| H.C. 19 | 10.9 | | | | | -41,510 | |
| H.C. 20 | 16.0 | | | | | -24,902 | |
| <i>Lazio Total</i> | 16.3 | - | - | | | -384,889 | |
| CENTRAL ITALY TOTAL | 19.5 | 71,190 | 54,853 | -16,337 | | -384,889 | |
| | | | | | | -401,226 | |

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(Continued) Table App. 5 – Revenues exceeding the limit of 25% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 25% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | COUNTERVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DECREE UP TO A MAXIMUM OF 25% | DIFFERENCE (D = C – B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|------------------|---|---|---------------------------|--|---------------------------------|
| | A | B | | | | | |
| H.C. 21 | 35.7 | 160,030 | 95,964 | -64,086 | -9,740 | -73,826 | |
| H.C. 22 | 30.9 | 78,004 | 58,122 | -19,882 | - | -19,882 | |
| <i>Apulia total</i> | 34.0 | 238,034 | 154,086 | -83,968 | -9,740 | -93,708 | |
| H.C. 23 | 37.5 | 72,140 | 40,071 | -32,069 | - | -32,069 | |
| H.C. 24 | 27.9 | 43,626 | 37,654 | -5,972 | -12,930 | -18,902 | |
| H.C. 25 | 22.8 | | | - | -12,319 | -12,319 | |
| H.C. 26 | 34.4 | 59,323 | 37,790 | -21,533 | - | -21,533 | |
| <i>Calabria Total</i> | 32.2 | 175,089 | 115,515 | -59,574 | -25,249 | -84,823 | |
| H.C. 27 | 30.7 | 58,646 | 44,217 | -14,429 | - | -14,429 | |
| H.C. 28 | 29.4 | 74,539 | 59,709 | -14,850 | - | -14,850 | |
| H.C. 29 | 34.6 | 128,190 | 80,790 | -47,400 | - | -47,400 | |
| H.C. 30 | 41.9 | 65,797 | 30,421 | -35,376 | - | -35,376 | |
| H.C. 31 | 29.5 | 61,581 | 49,097 | -12,484 | - | -12,484 | |
| H.C. 32 | 37.6 | 106,019 | 58,714 | -47,305 | - | -47,305 | |
| H.C. 33 | 43.6 | 130,427 | 56,340 | -74,087 | - | -74,087 | |
| H.C. 34 | 33.4 | 78,493 | 52,263 | -26,230 | - | -26,230 | |
| <i>Sicily Total</i> | 35.2 | 703,712 | 431,552 | -272,160 | | -272,160 | |
| SOUTH ITALY TOTAL | 34.4 | 1,001,089 | 623,427 | -377,662 | -34,989 | -412,651 | |
| OVERALL TOTAL | 26.8 | 1,697,347 | 1,065,623 | -631,724 | -438,151 | -1,069,875 | |

(1) The values contained in the last column of Table 25 are shown (those above 25,0% are in bold).

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 6 – Revenues exceeding the limit of 20% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 20% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | COUNTERVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DECREE UP TO A MAXIMUM OF 20% | DIFFERENCE (D = C – B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|---------|---|---|---------------------------|--|---------------------------------|
| | A | B | | | | | |
| H.C. 1 | 27.7 | 41,647 | 27,186 | -14,461 | 1,926 | -12,535 | |
| H.C. 2 | 25.0 | 67,365 | 50,495 | -16,871 | -2,406 | -19,277 | |
| H.C. 3 | 22.9 | 55,340 | 46,565 | -8,776 | 0 | -8,776 | |
| H.C. 4 | 30.9 | 75,350 | 42,138 | -33,213 | 1,180 | -32,033 | |
| H.C. 5 | 25.7 | 46,076 | 33,238 | -12,838 | -1,495 | -14,333 | |
| H.C. 6 | 41.8 | 394,630 | 137,451 | -257,179 | -17,478 | -274,657 | |
| <i>Piedmont Total</i> | 33.5 | 680,408 | 337,072 | -343,336 | -18,273 | -361,609 | |
| H.C. 7 | 21.0 | 120,010 | 113,185 | -6,825 | 0 | -6,825 | |
| H.C. 8 | 18.7 | | | 0 | 0 | 0 | |
| <i>Veneto total</i> | 19.8 | 120,010 | 113,185 | -6,825 | 0 | -6,825 | |
| H.C. 9 | 16.8 | | | 0 | 0 | 0 | |
| H.C. 10 | 13.7 | | | 0 | 0 | 0 | |
| H.C. 11 | 16.2 | | | 0 | 0 | 0 | |
| H.C. 12 | 18.2 | | | 0 | 0 | 0 | |
| H.C. 13 | 24.8 | 70,575 | 53,464 | -17,112 | | -17,112 | |
| <i>Emilia Romagna Total</i> | 17.8 | 70,575 | 53,464 | -17,112 | | -17,112 | |
| NORTH ITALY TOTAL | 24.5 | 870,993 | 503,721 | -367,273 | -18,273 | -385,546 | |
| H.C. 14 | 30.2 | 71,190 | 41,140 | -30,051 | | -30,051 | |
| H.C. 15 | 23.7 | 88,831 | 71,572 | -17,259 | | -17,259 | |
| <i>Marche Total</i> | 26.2 | 160,021 | 112,712 | -47,309 | 0 | -47,309 | |
| H.C. 16 | 17.7 | | | 0 | -130,712 | -130,712 | |
| H.C. 17 | 11.0 | | | 0 | -83,599 | -83,599 | |
| H.C. 18 | 19.6 | | | 0 | -104,166 | -104,166 | |
| H.C. 19 | 10.9 | | | 0 | -41,510 | -41,510 | |
| H.C. 20 | 16.0 | | | 0 | -24,902 | -24,902 | |
| <i>Lazio Total</i> | 16.3 | - | - | 0 | -384,889 | -384,889 | |
| CENTRAL ITALY TOTAL | 19.5 | 160,021 | 112,712 | -47,309 | | -47,309 | |

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(Continued) Table App. 6 – Revenues exceeding the limit of 20% for “by-function” activities, calculated as per the Ministerial Decree, starting from the value of the same “by-function” activities present in the 2017 Income Statement, as well as the operating results for the same year, for the Hospital Centers considered (A.V. in thousands of euros)

| HOSPITAL CENTERS and UNIVERSITY HOSPITAL CENTERS | INCIDENCE OF “BY- FUNCTION” ACTIVITIES, RECALCULATED AS PER THE MINISTERIAL DECREE, WITH RECOGNITION OF UP TO 20% (1) | | COUNTERVALUE OF “BY- FUNCTION” ACTIVITIES, AS PER THE 2017 IS | COUNTERVALUE OF “BY-FUNCTION” ACTIVITIES, CALCULATED ON THE BASIS OF THE MINISTERIAL DECREE UP TO A MAXIMUM OF 20% | DIFFERENCE (D = C – B) | RESULTS OF THE FISCAL YEAR 2017 | ALGEBRAIC SUM (F = D + E) |
|--|--|------------------|---|---|---------------------------|--|---------------------------------|
| | A | B | | | | | |
| H.C. 21 | 35.7 | 160,050 | 71,973 | -88,077 | -9,740 | -97,817 | |
| H.C. 22 | 30.9 | 78,004 | 43,592 | -34,413 | 0 | -34,413 | |
| <i>Apulia total</i> | 34.0 | 238,054 | 115,565 | -122,490 | -9,740 | -132,230 | |
| H.C. 23 | 37.5 | 72,140 | 30,053 | -42,087 | 0 | -42,087 | |
| H.C. 24 | 27.9 | 43,626 | 28,241 | -15,385 | -12,930 | -28,315 | |
| H.C. 25 | 22.8 | 17,594 | 14,917 | -2,678 | -12,319 | -14,997 | |
| H.C. 26 | 34.4 | 59,323 | 28,342 | -30,981 | 0 | -30,981 | |
| <i>Calabria Total</i> | 32.2 | 192,683 | 101,553 | -91,130 | -25,249 | -116,379 | |
| H.C. 27 | 30.7 | 58,646 | 33,163 | -25,483 | 0 | -25,483 | |
| H.C. 28 | 29.4 | 74,559 | 44,782 | -29,778 | 0 | -29,778 | |
| H.C. 29 | 34.6 | 128,190 | 60,592 | -67,598 | 0 | -67,598 | |
| H.C. 30 | 41.9 | 65,797 | 22,816 | -42,981 | 0 | -42,981 | |
| H.C. 31 | 29.5 | 61,581 | 36,823 | -24,758 | 0 | -24,758 | |
| H.C. 32 | 37.6 | 106,019 | 44,035 | -61,984 | 0 | -61,984 | |
| H.C. 33 | 43.6 | 130,427 | 42,255 | -88,172 | 0 | -88,172 | |
| H.C. 34 | 33.4 | 78,493 | 39,198 | -39,296 | 0 | -39,296 | |
| <i>Sicily Total</i> | 35.2 | 703,712 | 323,664 | -380,048 | 0 | -380,048 | |
| SOUTH ITALY TOTAL | 34.4 | 1,134,449 | 540,781 | -593,668 | -34,989 | -628,657 | |
| OVERALL TOTAL | 26.8 | 2,165,463 | 1,157,213 | -1,008,250 | -438,151 | -1,446,401 | |

(1) The values contained in the last column of Table 25 are shown (those above 20.0% are in bold).

Source: survey by *Ermeneia – Studi & Strategie di Sistema*, 2018

The second method applied for this Report made use of some field surveys concerning the relationships between users/citizens and hospital services on the one hand, and a detailed exploration of the two important topics of waiting lists and access to Emergency Room services, on the other: for these two topics, experiences and opinions were taken from the population as a whole, from that portion of the population that has had experience with waiting lists and/or the Emergency Room, and from caregivers.

As per tradition, the first survey was aimed at a national representative sample of the adult population 18 years of age and older. Questions were selected to allow for the measurement of the evolution over time of knowledge, behaviors, opinions and assessments by both actual users of hospital services and citizens as a whole.

The topics covered involve the methods of access, the awareness of possible hospitalization alternatives, the perceived quality of the services by the respondents, as well as the overall opinion of the mixed public - accredited private hospital system that characterizes our country. All of this took into account the different types of existing hospitalization facilities, namely public hospitals, accredited private hospitals and private clinics.

For this purpose the usual questionnaire was administered, and included:

- a) questions directed at users of hospital services in the last twelve months, specific to:
 - the type of hospital service used;
 - the type of hospital visited (public, accredited private, or private clinic);
 - the level of satisfaction with the services received the last time any of these facilities were visited;
 - the manner in which the respondent made his/her decision to make use of the hospital facility most recently visited;
 - the level of the respondent's 'loyalty' to the most recent facility visited;
- b) and some questions were instead addressed to the entire survey sample of citizens 18 years and older. These questions pertained to information including:
 - whether or not hospital services had been accessed in the last twelve months by the interviewee and/or members of his/her family;
 - the level of awareness regarding the ability to access both public and accredited private hospitals for which there are no charges for patients;
 - the ability to choose hospitals outside the Region in which the respondent resides;
 - awareness of the new legislation that beginning in October 2013 allows patients to seek healthcare and hospital services from facilities of

other EU countries under coverage of the Italian Health Service (even if said opportunity remains subject to prior authorization from the local healthcare authorities and the advance payment of expenses by the patient, subsequently reimbursed);

- the inclination of the respondent to make use of facilities other than those located in their town, province, Region, or even, Italy, in the event of the need for serious health reasons (to this was added a question regarding the theoretical behavior of citizens in the event of serious and/or urgent health problems, in order to verify the increasing use of hospital facilities compared to local medical services);
- the levels of satisfaction regarding Italian hospitals, divided by the three types: public hospitals, accredited private hospitals and private clinics);
- opinions on some statements with a view to keeping the current mixed public/accredited private healthcare system as an integrated service provider and how more precise information might be provided to users by the NHS;
- the willingness of the respondent to ideally take on some additional costs in order to have more choices than are currently available.

To this first section of the questionnaire two other Sections were added this year, dedicated to experiences with the waiting lists and to access to the Emergency Room in the past twelve months, respectively. In the first instance the questions concerned:

- experience or lack of experience with waiting lists;
- the type and length of waiting lists for the performance of laboratory exams, diagnostic tests, specialist visits, or small outpatient procedures at local health facilities (or in affiliated private centers) or at hospitals; it was also asked what behavior the respondents adopted with respect to the waiting lists they were assigned and their relative duration;
- but also the type and length of waits experienced with regard to actual hospital admissions for treatment and/or to undergo surgical procedures, as well as the behaviors adopted in this regard by the respondents;
- the evaluation of some proposals to improve the current waiting list situation and make them shorter and more efficient;
- any access to Central Booking System (CUP, Centro Unico di Prenotazione) - and related behavior by the respondent with respect to the booking proposals received;
- the satisfied/dissatisfied opinions about the health care and social-assistance services present in the respondent's Region of residence, regardless of whether or not one has had the opportunity to use these services in the

last twelve months, but also the opinions of the improvement/deterioration of the services provided in terms of laboratory exams, diagnostic tests, specialist visits, or in-hospital stays compared to the past.

The following Section relates to the topic of the Emergency Room and contains questions addressing the following topics:

- whether access was made to services or not;
- the type of hospital selected, the reasons that led respondents to make use of the Emergency Room, the type of code that was assigned to them, as well as the method of entry to the Emergency Room (alone or with a carer), the duration of the waits, needs that were satisfied or unsatisfied while waiting for the visit, as well as the need relating to the information they desired to receive during the time spent in the Emergency Room;
- the “events” that took place following access to the Emergency Room services (discharge, and also further exams/tests, as well as temporary admissions, hospitalizations in the same hospital or in other hospitals, etc.);
- evaluation of the experiences at the Emergency Room both for the last visit and on previous occasions, as long as these were during the last twelve months;
- evaluation of the travel necessary, in general, to get to an Emergency Room from the respondents’ place of residence, also reporting any difficulties;
- evaluation of the presence of local accredited private hospitals that could offer Emergency Services as an alternative to public hospitals and were closer to the respondents’ homes;
- and finally, evaluation of the subjects to whom the respondents prefer to turn in the event that they have a serious and/or urgent health problem to perform laboratory exams, diagnostic tests, specialist visits, hospitalizations, in order to assess the extent of the propensity to choose the Emergency Room as a (proper or improper) “alternative” to basic health services as well as in order to speed up possible hospital admissions.

The questionnaires were administered in September 2018, using a special electronic panel comprised of 2,000 Italian families, in which individual members responded to the questions contained in the initial questionnaire and in the two additional Sections just described.

The above panel is maintained annually in order to compensate for any lack of functional collaboration by part of the respondents, and to ensure the ongoing representative nature of the survey sample used (such maintenance affecting approximately 15% of the total survey sample each year).

The collected survey responses were subsequently weighted in such a

way as to be able to fully respect a sort of ideal sample that of the universe of the Italian adult population aged 18 years and older, numbering 4,020 units, compared to 3,824 physically completed questionnaires: all of the surveys took into account gender, age, educational level, geographical area of residence, size of the municipality of residence and the profession of the respondent.

The survey sample's level of error is approximately $\pm 1.55\%$, with a confidence interval of 95%.

Subsequently, the information thus collected was processed in order to obtain simple distribution tables, which were then used to make some cross-checks of variable groups considered particularly significant, as shown in Section 3 of the Appendices.

The overall results of the survey, with reference to the first group of questions (and net of the second and third sections), may be found, along with the relative commentary, in Part Two of the Report.

The social-personal profile of the respondents, appropriately weighted as just mentioned, is provided in the Tables from App. 7 to App. 13. These illustrate the basic characteristics of the sample used for the yearly survey.

Table App. 7 – Gender of the respondents (%)

| Gender | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – Male | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 47.8 | 47.8 |
| – Female | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.2 | 52.2 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.070 | 4.070 | 4.110 | 4.140 | 4.210 | 4.160 | 4.350 | 4.011 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 8 – Age of the respondents (%)

| Age range | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – 18-24 years | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.7 | 8.7 | 8.7 | 9.0 | 9.9 | 9.9 |
| – 25-34 years | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 15.4 | 15.4 | 15.9 | 16.3 | 16.7 | 17.7 | 18.6 | 18.6 |
| – 35-54 years | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 36.9 | 36.9 | 36.6 | 36.3 | 36.0 | 35.4 | 34.5 | 34.5 |
| – ≥ 55 years | 40.2 | 40.2 | 40.2 | 40.1 | 40.1 | 40.1 | 39.1 | 39.1 | 38.8 | 38.7 | 38.6 | 37.9 | 37.0 | 37.0 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.070 | 4.070 | 4.110 | 4.140 | 4.210 | 4.160 | 4.350 | 4.011 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 9 – Distribution of respondents by residence (%)

| Distribution | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – North-West | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.8 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.7 | 26.9 |
| – North-East | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.2 | 19.2 | 19.2 | 19.2 | 19.1 |
| – Center | 19.3 | 18.1 | 19.1 | 18.1 | 18.2 | 18.2 | 18.1 | 18.0 | 18.4 | 18.6 | 18.6 | 17.9 | 17.6 | 17.6 |
| – South and Islands | 34.7 | 35.9 | 34.9 | 35.9 | 35.8 | 35.8 | 35.8 | 35.9 | 35.5 | 35.3 | 35.3 | 36.0 | 36.5 | 36.4 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.020 | 4.070 | 4.070 | 4.110 | 4.140 | 4.210 | 4.160 | 4.350 | 4.011 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 10 – Distribution of respondents by size of town of residence (%)

| Size | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – Up to 20,000 inhabitants | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 46.9 | 46.9 | 47.0 | 47.2 | 47.2 | 47.4 | 47.8 | 47.8 |
| – 20,001 to 100,000 inhabitants | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.7 | 39.7 | 29.5 | 29.2 | 29.4 | 29.1 | 28.4 | 28.4 |
| – 100,001 inhabitants and more | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.4 | 23.4 | 23.5 | 23.6 | 23.4 | 23.5 | 23.8 | 23.8 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,070 | 4,070 | 4,110 | 4,140 | 4,210 | 4,160 | 4,350 | 4,011 |

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 11 – Occupational activity of the respondents (%)

| Occupational Activity | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – Self-employed | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.5 | 11.6 | 12.0 | 12.4 | 12.2 | 12.6 | 12.6 | 12.6 |
| – Employed | 18.9 | 18.8 | 18.9 | 18.9 | 18.9 | 18.9 | 18.5 | 18.5 | 18.8 | 19.0 | 18.6 | 18.1 | 18.2 | 33.8 |
| – Laborer | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 16.2 | 16.2 | 16.4 | 15.9 | 15.7 | 15.6 | 15.6 | - |
| – Housewife/Pensioner | 39.8 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 41.0 | 40.9 | 39.8 | 40.0 | 40.6 | 38.6 | 38.7 | 38.7 |
| – Job seekers | 2.4 | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | 3.8 | 3.8 | 3.3 | 3.0 | 2.9 | 6.1 | 6.1 | 6.1 |
| – Other | 12.1 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 9.0 | 9.0 | 9.7 | 9.7 | 10.0 | 9.0 | 8.8 | 8.8 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,070 | 4,070 | 4,110 | 4,140 | 4,210 | 4,160 | 4,350 | 4,011 |

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 12 – Education of the respondents (%)

| Qualification | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – No qualifications/ Primary school | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 24.9 | 24.9 | 25.8 | 26.8 | 27.8 | 28.6 | 28.0 | 28.0 |
| – Lower secondary school certificate | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.4 | 35.0 | 34.6 | 34.5 | 36.3 | 36.3 |
| – Higher secondary school certificate/First cycle degree, Second cycle degree, Third cycle degree | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 39.6 | 39.6 | 38.8 | 38.2 | 37.6 | 36.9 | 35.7 | 35.7 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,070 | 4,070 | 4,110 | 4,140 | 4,210 | 4,160 | 4,350 | 4,011 |

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

Table App. 13 – Estimated socioeconomic status of the respondents (%)

| Status | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| – Low/Low-Middle | 46.9 | 50.3 | 47.2 | 47.5 | 49.3 | 49.5 | 50.3 | 50.2 | 48.7 | 50.8 | 47.4 | 45.8 | 42.8 | 44.8 |
| – Middle | 44.4 | 44.5 | 48.3 | 37.4 | 27.3 | 27.3 | 25.5 | 25.9 | 26.6 | 24.4 | 20.1 | 20.4 | 21.1 | 20.3 |
| – Middle-High/High | 8.7 | 5.2 | 4.5 | 15.1 | 23.4 | 23.2 | 24.2 | 23.9 | 24.7 | 24.8 | 32.5 | 33.8 | 36.1 | 34.9 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,020 | 4,070 | 4,070 | 4,110 | 4,097 | 4,210 | 4,160 | 4,350 | 4,011 |

Source: survey by *Ermeneia – Studi & Strategie di Sistema, 2018*

In parallel, in addition to the survey on the Italian population sample aged 18 years and older, an oversampling survey was carried out (referred to in the course of the text by the term “extended” sample) to complement the first. All of this was done using an Internet panel of people with waiting list and/or Emergency Room experiences in the last twelve months, in order to increase the overall number of respondents meeting these two specific characteristics. A set of questions was presented to this set of respondents which included the two additional Sections mentioned above. The operation was conducted in September 2018 and included 546 valid questionnaires.

Then the “extended” sample was checked and in turn weighted according to the same social-demographic variables used for the survey carried out on the Italian population aged 18 years and older by means of the electronic panel.

The processing of the total data collected in this manner, concerning the topic of waiting lists and that of access to the Emergency Room generated a total sample of 2,371 individuals, comprised of:

- 1,825 cases from the electronic panel survey;
- and 546 cases deriving from the Internet panel survey.

The sampling error for this database, with a confidence interval of 95%, is equal to $\pm 2.01\%$.

Subsequently, the information thus collected was processed in order to obtain simple distribution tables, which were then used to make some cross-checks of variable groups considered particularly significant, as shown in Section 4 of the Appendices.

The complete results of the survey may be found, along with the relative commentary, in Part Three of this Report, in which the survey data on caregivers (referred to below) is simultaneously reported (and compared).

The social-personal profile of the respondents belonging to the “extended” sample (2,371 units) is provided in the Tables from App. 14 to App. 20. They illustrate the characteristics of the sample that saw the confluence of the responses of the electronic panel and those collected via the Internet on the two specific themes of the waiting lists and access to the Emergency Room.

Table App. 14 – Gender of the respondents (%)

| <i>Gender</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|---------------|---|
| – Male | 43.3 |
| – Female | 56.7 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 15 – Age of the respondents (%)

| <i>Age range</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|------------------|---|
| – 18-24 years | 5.9 |
| – 25-34 years | 13.5 |
| – 35-54 years | 37.7 |
| – ≥ 55 years | 42.9 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 16 – Distribution of respondents by residence (%)

| <i>Distribution</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|---------------------|---|
| – North-West | 29.3 |
| – North-East | 18.7 |
| – Center | 20.4 |
| – South and Islands | 31.6 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 17 – Distribution of respondents by size of town of residence (%)

| <i>Size</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|---------------------------------|---|
| – Up to 20,000 inhabitants | 46.3 |
| – 20,001 to 100,000 inhabitants | 31.4 |
| – 100,001 inhabitants and more | 22.3 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 18 – Occupational activity of the respondents (%)

| <i>Occupational Activity</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|--|---|
| – Self-employed | 13.8 |
| – Employed | 21.0 |
| – Laborer | 11.9 |
| – Housewife/Pensioner | 41.8 |
| – Searching for a job (Unemployed, laid off and/or on availability lists, on leave pending retirement) | 4.9 |
| – Other non-professional condition | 6.6 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 19 – Education of the respondents (%)

| <i>Qualification</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|---|---|
| – No qualifications/Primary school | 24.1 |
| – Lower secondary school certificate | 29.8 |
| – Higher secondary school certificate/First cycle degree, Second cycle degree, Third cycle degree | 46.1 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 20 – Estimated socioeconomic status of the respondents (%)

| <i>Status</i> | <i>% of those who had experience with the Emergency Room and/or waiting lists</i> |
|--------------------|---|
| – Low/Low-Middle | 45.9 |
| – Middle | 44.8 |
| – Middle-High/High | 9.3 |
| Total | 100.0 |
| A.V. | 2,371 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

A third survey was then conducted on a sample of caregivers, or on the people who, within the panel families, usually make decisions in the health and assistance field related to the various members of the household. The subject of the aforementioned survey concerns:

- on the one hand, the topic already mentioned of the experiences with waiting lists and/or access to the Emergency Room, using the same questions given to the population sample aged 18 years and older and to the Internet panel;
- and, on the other hand, the subject of the postponing and/or forgoing of services as well as any alternative behavior regarding unsatisfactory experiences at public hospitals.

With regard to the second topic mentioned, some questions were already used in the previous two years in order to obtain a comparison of the trend

of the phenomena concerning, specifically:

- the postponing and/or forgoing of treatment in 2018, but also in 2017 and 2016;
- reasons for the postponing and/or foregoing of treatments;
- the satisfied/dissatisfied opinions regarding both health and social-assistance services of the hospitals of their Region of residence regardless of whether these services were used in the last twelve months, as well as the satisfied/dissatisfied opinions regarding public and accredited private hospital facilities and private clinics if the latter were actually used by the respondents in the last twelve months;
- any recourse to accredited private hospitals or private clinics in the last two years in the event the respondent or the other members of his/her family encountered any inconvenience with respect to the services provided by public hospital facilities (also attempting to collect the reasons for said alternative decision);
- finally, the use and/or inclination to resort to the use of hospital facilities present in Italian Regions other than that of residence of the respondents.

This questionnaire was given in September 2018, and resulted in the collection of 1,745 valid responses. Again in this case the family electronic panel, mentioned for the survey on the population, was used, and the responses yielded a representative national sample after a slight weighting brought the questionnaires to 2,000 respondent units (the last of which were obtained by weighting the 1,745 raw respondents on the basis of the structural variables inherent to the family panel).

The sampling error of the caregiver survey, with a confidence interval of 95%, is equal to $\pm 2.35\%$.

The information collected was processed so as to attain simple distribution Tables, on the basis of which a series of cross-checks were made, using several particularly significant variables that are described in below in Section 5 of the Appendices.

The results of the caregiver survey and the related commentary may be found, along with the results of the “extended” sample of the population in Part Three of the Report.

The social-personal profiles for the care-giver respondents are given in the tables 21-28. These describe the characteristics of the sample used for the survey.

Finally, the third method used to prepare the Report was that of defining the usual set of facility indicators, containing the most recent data available on the Italian hospital system. These have to do with the number and type of facilities, the relevant activity data, the size of the staff and spending. These indicators may be found in Part Four of this Report.

Table App. 21 – Position of the caregivers interviewed (%)

| <i>Response</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| – Wife (or female partner) | 34.0 | 38.0 | 39.6 | 34.9 | 24.6 | 43.2 |
| – Husband (or male partner) | 36.9 | 35.6 | 36.0 | 24.9 | 38.3 | 25.6 |
| – Sole family member (female) | 6.7 | 6.9 | 6.5 | 13.8 | 6.4 | { 21,6 |
| – Sole family member (male) | 3.1 | 3.3 | 3.4 | 12.9 | 2.9 | |
| – Son | 3.4 | 2.5 | 1.4 | 3.0 | - | 2.4 |
| – Daughter | 9.6 | 7.6 | 8.7 | 4.4 | 0.1 | 3.9 |
| – Co-habiting sister (of husband or wife) | 0.3 | 0.2 | 0.3 | 0.4 | 0.9 | 0.1 |
| – Co-habiting brother (of husband or wife) | 0.2 | 0.1 | - | 0.3 | 0.4 | 0.1 |
| – Other co-habiting relative (man) | 1.2 | 0.5 | 0.5 | 0.5 | 0.1 | 0.3 |
| – Other co-habiting relative (woman) | 1.9 | 2.8 | 1.2 | 2.9 | 0.2 | 1.1 |
| – Other person not related, but co-habiting (man) | 0.6 | 0.4 | 0.2 | 0.2 | 24.6 | 0.7 |
| – Other person not related, but co-habiting (woman) | 0.5 | 0.2 | 0.3 | 0.2 | 1.5 | 0.7 |
| – Other | 1.6 | 1.9 | 1.9 | 1.6 | - | 0.3 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 22 – Gender of the caregiver (%)

| <i>Gender</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – Male | 42.2 | 42.2 | 42.2 | 42.2 | 39.0 | 37.6 |
| – Female | 57.8 | 57.8 | 57.8 | 57.8 | 61.0 | 62.4 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 23 – Age – group of the caregivers (%)

| <i>Age range</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – 18-34 years | 10,5 | 10,5 | 10,5 | 10,5 | 9,5 | 10,3 |
| – 35-54 years | 45,7 | 45,7 | 45,7 | 45,7 | 41,6 | 41,8 |
| – ≥ 55 years | 43,8 | 43,8 | 43,8 | 43,8 | 48,9 | 47,9 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 24 – Geographical distribution of caregivers (%)

| <i>Geographical distribution</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – North-West | 28.1 | 28.1 | 28.1 | 28.2 | 28.2 | 28.2 |
| – North-East | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 |
| – Center | 19.2 | 19.1 | 20.2 | 19.4 | 18.7 | 18.8 |
| – South and Islands | 32.9 | 33.0 | 31.9 | 32.6 | 33.3 | 33.2 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 25 – Distribution of caregivers by size of town of residence (%)

| <i>Size</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – Up to 20,000 habitants | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| – 20,001-100,000 habitants | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| – 100,001 habitants and more | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 26 – Occupational activity of the caregivers (%)

| <i>Occupational Activity</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – Self-employed | 5.2 | 5.2 | 5.2 | 14.7 | 11.7 | 11.6 |
| – Employed | 39.3 | 39.3 | 39.3 | 35.3 | 34.0 | 33.5 |
| – Laborer | 8.2 | 8.2 | 8.2 | 7.4 | 7.8 | 7.3 |
| – Housewife | 10.8 | 10.8 | 10.8 | 9.7 | 14.0 | 14.8 |
| – Pensioner | 24.4 | 25.2 | 25.2 | 22.7 | 26.5 | 26.6 |
| – Job seekers | 8.9 | 8.1 | 8.1 | 7.3 | 5.3 | 5.1 |
| – Other | 3.2 | 3.2 | 3.2 | 2.9 | 0.7 | 1.1 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 27 – Education of the caregivers (%)

| <i>Qualification</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| – No qualifications/Primary school | 7.3 | 7.3 | 7.3 | 7.3 | 5.0 | 5.6 |
| – Lower secondary school certificate | 18.0 | 18.0 | 18.0 | 18.0 | 27.6 | 26.9 |
| – Higher secondary school certificate | 49.4 | 49.4 | 49.4 | 49.4 | 46.8 | 47.3 |
| – First cycle degree, Second cycle degree, Third cycle degree | 25.3 | 25.3 | 25.3 | 25.3 | 20.6 | 20.2 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

Table App. 28 – Socioeconomic status stated by the respondents (%)

| <i>Declared level</i> | <i>2018</i> | <i>2017</i> | <i>2016</i> | <i>2015</i> | <i>2014</i> | <i>2013</i> |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| – High | 1.0 | 0.6 | 9.7 | 1.9 | 8.2 | 8.8 |
| – Middle-High | 6.3 | 5.8 | 26.2 | 16.1 | 23.0 | 22.4 |
| – Middle | 49.9 | 50.0 | 46.1 | 46.1 | 34.5 | 33.7 |
| – Low-Middle | 33.1 | 33.0 | 16.1 | 26.2 | 23.9 | 24.7 |
| – Low | 9.7 | 10.6 | 1.9 | 9.7 | 10.4 | 10.4 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| A.V. | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Source: survey by Ermeneia – Studi & Strategie di Sistema, 2018

2. The complete list of contents of the 2018 Report

Presentation

by *Barbara Cittadini, National President of AIOP*

page I

Part One

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The **Health & Hospitals Report/2018** describes the performance of the Italian hospital system, which is an extremely large organization, numbering more than 1,000 health care institutions, 200,000 patient beds, 8.8 million hospitalizations, 632,000 employees and a total expenditure of EUR 63.1 billion, equal to 55.4% of total public health care spending.

The perspective of the Report has always been characterized by a dual examination, one addressing the users and citizens for whom public health care and social protection was conceived and, one addressing the "machine", in its various components, which exists beneath the banner of a mixed public-private system as envisaged by law and also in the way it is perceived and used by citizens.

This year, on the demand side, attention was focused on two particularly "hot" issues concerning waiting lists, on the one hand, and access to emergency services, on the other. These two experiences involve a significant (and sometimes multiple) flow of people, and affect 38.7% of the adult population for the former and 28.7% for the latter. Problems of "congestion" can thus become manifest causing anxieties, tensions, dissatisfactions and - sometimes inappropriate - alternative behaviors in the use of the Emergency Room, in addition to increasing the out-of-pocket expenses for families. In order to better understand the two areas mentioned, three parallel surveys were conducted on the adult population, on people who have actually experienced waiting lists and Emergency Room services during the last twelve months, and finally, on caregivers.

Parallel to this, on the supply side, an analysis of the "machine" was prepared that measured its average performance levels despite everything, as attested to by the trend of the indicators of the services provided and - for the first time - also by the indicators relating to the outcomes of care as well as the perception of the quality of services by citizens and users. All of this was effected through the annual monitoring of the efficiency of public Hospital Centers by way of examining and making a (multi-year) comparison of the consistency of the items on the Income Statements.

At present we are faced with the opportunity and therefore the need to maintain as best as possible the universal and inclusive objectives upon which our National Health Service is based, and precisely for this reason it is essential to continue to contrast the need to optimize the services provided (and not only on the economic-financial level, but also on that of managing good quality services) with the needs of a demand that is growing quantitatively and is becoming increasingly difficult to satisfy. We need a clear and comprehensible new assumption of responsibility by both parties to help us not merely celebrate the 40th anniversary of the National Health Service, but also to imagine a realistically sustainable profile for the future.

Ermeneia – Studi & Strategie di Sistema is a company that specializes in providing analytical and consulting activities to trade associations and public and private clients, including those operating in the healthcare service sector, who are actively redesigning their presence and operational methods to remain in step with progressive changes in Italy.

AIOP – Associazione Italiana Ospedalità Privata (Italian Association of Private Hospitals) is a trade association that represents private healthcare facilities and hospitals, accredited or otherwise, throughout every region of Italy, which employ just over 70,000, accounting for 11% of the operators of the entire system, who provide hospital services to 15% of patients.