

**T**his chapter presents data on manpower engaged in the Ministry of Health and Medical Education (government sector), manpower working in the Veterinary sector, and health and medical equipment and facilities of the government and private sectors affiliated to the Ministry of Health and Medical Education and Iran Veterinary Organization. Moreover, included in this chapter is information on blood products produced and distributed to the medical centers. Collection of statistical information on health and medical activities first started by the former Ministry of Health in the year 1335 and continued till the year 1364 by the Ministry.

By merging Medical Sciences universities and affiliated hospitals in the year 1364, the former Ministry of Health was renamed "Ministry of Health and Medical Education" with a new organization and was tasked with collecting and providing statistics on health activities. Since then, the Ministry has regularly produced related statistics.

### *Introduction*

Statistics on physicians engaged in the private sector are, at present, produced by the Organization for Medical Discipline, but due to some obstacles and problems in presenting updated statistics, these data have not been included in the Statistical Yearbook yet.

Also, data for health and medical equipment and facilities presented in this chapter relate to the establishments operating at least 6 months of a year and do not include the armed forces health and medical establishments.

### *Definitions and concepts*

**Physician:** refer to the person who has completed their medical education in one of the universities within the country or abroad, and received their MD degrees approved by the Ministry of Health and Medical Education. Statistics for physicians also include general practitioners, dentists, pharmacists, doctors of medical laboratory science, Ph.D. specialist, and subspecialists.

**Dentistry:** orthodontics, endodontics, oral and dental pathology, maxillofacial diseases, maxillofacial pathology, prosthodontics,

periodontics, oral maxillofacial surgery, tooth treatment, children's tooth disorders.

**Pharmacology:** Pharmacy, industrial pharmacy, pharmacology, pharmaceuticals, pharmacognosy.

**Paramedic:** refers to the non-physicians engaged in the areas of health and treatment.

**Health attendant (health aid):** is the workforce (male and female who works in an operating health home and is responsible for providing primary health care services. He/ she must be a native resident with at least a diploma degree in one of the villages covered by the health home and has passed practical and theoretical courses (internship) in this field. The maximum age for the holders of a high school diploma is 26 and for the holders of associate's degree is 28.

**Hospital:** is a place that is established under the authorization of the Ministry of Health and Medical Education, and enjoys diagnostic, medical, health, educational and research facilities for medical treatment of outpatients and inpatients round-the-clock.

**Operating hospital:** is a hospital that admits the outpatients and inpatients round-the-clock.

**Licensed bed:** is the bed that the hospital is authorized to have and use based on the authorization of the government and the latest obtained licence, according to which it must have an official license. A licensed bed should also be considered in the rating of the hospital beds. Number of licenced beds is not necessarily as many as the number of active hospital beds.

**Available (active) bed:** refers to the bed with diagnostic, medical, logistics, service and staff facilities, according to the standards, and must be available for hospitalization and care of the

patients. In other words, available (active) beds include occupied or unoccupied hospital beds that can be used by inpatients on a daily basis. The number of active beds should not exceed the number of hospital licensed beds.

**Intensive Care Unit (ICU):** is one of the specialized wards of the hospital, which is responsible for the treatment and care of critically ill patients or the ones exposed to serious and dangerous injuries, based on scientific standards and using medical specialists, nursing staff and all equipment, facilities, medical technology, and necessary drugs.

**Coronary Care Unit (CCU):** is one of the specialized wards of the hospital in which the patients with severe cardiac complications are treated and cared according to scientific standards and using medical specialists, nursing staff, and all equipment, facilities, medical technology, and necessary drugs.

**Neonatal Intensive Care Unit (NICU):** is one of the specialized wards of the hospital that provides advanced supportive care for newborn infants (0 to 28 days) with multiple organ dysfunction syndrome (MODS) or for babies weighing less than 1500 grams or for gestational age less than 32 weeks and babies with respiratory distress syndrome, according to the scientific standards using medical specialists, nursing staff and all equipment, facilities and medical technology.

**Health care:** services provided by health services' professionals or staff to promote, maintain, monitor and restore the health of members of the community (society). Health care is a public right and the government is responsible for providing these services to the people equally.

**Primary Health Care Centre:** is a centre that provides the necessary health care using scientific and practical methods and technology and is at the first level of contact with individuals, families, and society in the health system. In terms of cost to society and the country at each stage of development, it is cost-effective and affordable for the community and the country at every stage of development.

**Comprehensive Health Services Centre:** is a centre that is established in urban and rural areas. The services, which are provided at this centre, include general medical services, consulting nurse for mental health, consultation for nutrition and diet therapy, dentistry, laboratory services, radiology, environmental and occupational health, and monitoring the health care provided in the affiliated units, including the health station and the active health home. The staff of the Comprehensive Health Services Centre includes physicians, nurses, dentists, mental health experts, nutritionists, environmental and occupational health experts, and experts in laboratory sciences and radiology as needed. The average population covered by the Comprehensive Urban Health Services Centre is 35,000 persons and the Comprehensive Rural Health Services Centre is 4,000 persons.

**Health Station:** is a unit under the Comprehensive Urban Health Services, and in some cases under Rural Health Services Centre at which the services available include health care only and are provided by a health attendant (equivalent to *health aid* at a health home).

**Active Health Home:** is the unit that is located in villages with an average population of 1,500 persons in the main village and satellite villages

(covered villages) and provides health care by health attendants (man and woman) and the services provided at this place are registered in the electronic health system.

**Maternity Facility Unit:** is a unit in the subdivision of the Comprehensive Urban or Rural Health Services Centre, which provides natural childbirth services and care, during and after childbirth by the midwife at this place.

**Medical Diagnostic Laboratory:** is a place permitted by the Ministry of Health and Medical Education where various samples of the human body are tested with the aim of obtaining information for the diagnosis, prevention or treatment continuation or for a health checkup. It includes two types: clinical and anatomical. At this place, tests such as hematology, microbiology, serology, biology, immunology, biophysics, cytology, pathology, cellular and molecular genetics, histology and others are carried out.

**Comprehensive Medical Rehabilitation Centre:** is a centre that, after obtaining the necessary licenses and permits within the framework of relevant regulations, provides comprehensive rehabilitation services at all levels of the health system in various physical, psychological (mental) and social dimensions on an outpatient and daily basis by the rehabilitation team. The six fields of study on rehabilitation include work therapy, physiotherapy, speech therapy, audiometry, optometry and technical orthopedics.

**Nuclear Medical Centre:** is a centre that independently or as part of medical institutions such as hospital, clinic, etc., provides specialized diagnostic and medical services by obtaining the necessary permits from the relevant authorities

(agreement in principle, operating permit and establishment permit from the Ministry of Health and Medical Education and permit for working with radiation from the centre of the country's Nuclear Safety System) and uses nuclear medical knowledge and open radiation sources.

**Pharmacy:** is a place licensed by the Ministry of Health and Medical Education that, with a qualified technical manager, provides pharmaceutical services and health-oriented products such as medicine, powdered milk, dietary supplements, infants complementary foods, disposable medical supplies and authorized cosmetic products.

**General Clinic:** is a place that admits outpatients for treatment round-the-clock and has at least 3 general practitioners and specialists.

**Specialized Clinic:** is a place that is established in accordance with the rules and regulations of the Ministry of Health and Medical Education and provides diagnostic and therapeutic services in one of the medical specialties (such as cardiovascular specialized clinic) or diagnosis and treatment of one or more specific diseases (such as a diabetes specialty clinic), with the presence of specialists in various fields.

**Pre-hospital emergency medical services station:** is a station where a set of emergency medical services and skills in case of an emergency, such as an accident, severe disease, and natural or man-made phenomena are provided in the form of the national medical emergency network system before the patient or injured person arrives at the hospital. These services are provided by the urban and road emergency stations.

**Urban emergency station:** is an emergency station that is established in the centres of sub-provinces,

Shahrs( cities) with university or faculty of medical sciences and health services, and cities with a population of more than 50000 persons, and is connected to the message centre and the communication and operation command centre of the emergency station.

**Road Emergency Station:** is an emergency station that is established on busy or accident-prone roads and in cities' entrance/departure points with a population of less than 50,000 and is in contact with the communication centre or the message centre of the emergency station.

**Blood products:** include dense red blood cell products, plasma products, and platelet products.

**Dense red blood cell products:** including dense red blood cells with additive solution, frozen dense red blood cells, irradiated dense red blood cells, low leukocyte dense red blood cell, washed dense red blood cell, dense red blood cell apheresis, and low leukocyte dense red blood cell apheresis.

**Plasma products:** include frozen plasma within 24 hours after donation, cryo-free plasma and cryoprecipitate precipitate.

**Platelet products:** include fused (integrated) platelets, low leukocyte fused (integrated) platelets, and plateletpheresis.

**Dense red blood cells:** are obtained after extracting most of the plasma from centrifuged whole blood. The final hematocrit of the prepared product should be less than 80% in the absence of any additive solution. Depending on the type of preservative and additive, it can be stored at 2-6 °C for 21 to 42 days. This product can be also stored frozen for a long time in the presence of cold protection materials.

**Fresh frozen plasma:** plasma that has reached a temperature under whose unstable protein activity

is maintained during the freezing process. This product is obtained from whole blood or the plasmapheresis method. Plasma is isolated and frozen from whole blood in the first 6-8 hours after donation according to the type of anticoagulant. To maintain heat-sensitive coagulation factors, it is essential that the transport temperature of the blood units or plasma received from the blood collection site to the processing centre, the time from collection to freezing depending on the type of anticoagulant, the time duration between the separation of plasma from whole blood to its freezing, duration and temperature of the freezing process and storage temperature of frozen plasma should be controlled and in accordance with the written standards. This product can be used for 12 months when stored at -20 to -25 degrees Celsius and lasts for 24 months at temperatures below or equal to -25 to -64 degrees Celsius. From this product, other products can be obtained, including cryo-sediment, various coagulation factors, and immunoglobulins.

**Platelet concentrates:** are the products in which platelets are the main cellular components. This product is made from whole blood or platelet apheresis. This product can be stored for up to 5 days at a temperature of 2-20° degrees Celsius and with gentle and continuous shaking.

**Whole blood donation:** is the process of receiving whole blood from blood donation volunteers in compliance with (by observing) all the criteria approved by the Iranian Blood Transfusion Organization.

**Blood donor:** is a person who voluntarily visits one of the blood transfusion centres, stations or mobile

blood donation teams in the country for blood donation.

**Frequent blood donor:** refers to a blood donor whose time interval of blood donations with the last blood drawing is less than 12 months.

**Infrequent blood donor** refers to a blood donor whose time interval of blood donations with the last blood drawing is more than 12 months.

**Paramedics:** non-physicians engaged in the areas of health and treatment.

### *Selected information*

In the year 1397, the number of physicians and paramedics employed by the University of Medical Science was 48806 and 282183, respectively, out of whom 16130, 5222, 340, 2406, 16530, 2626, and 5552 were general practitioners, dentists, doctors of medical laboratory sciences, pharmacists, specialists, sub-specialists, and professional doctors, respectively.

In the year 1397, the number of hospitals was 1016 out of which 698 hospitals were state-run and 318 hospitals were run by the private sector, respectively.

In the year 1397, the number of hospital beds in the country was 166543 out of which 138117 were available (active) beds.

In the year 1397, the number of operating health care and medical centres, health care stations and health homes was 5824, 5589, and 17746, respectively.

In the same year, there were 5359 medical and genetic diagnostic laboratories, out of which 5269 were medical diagnostic laboratories and 90 were genetic diagnostic laboratories. In the year 1397,

the total number of operating pharmacies was 11253.

In the same year 1397, there were 2536 pre-hospital emergency stations in the country, out of which 967 and 1569 stations were urban (38.1%) and road (61.9%) stations, respectively.

In the same year, a number of 2664066 blood donors visited the blood centres, and 2094967 units of blood were donated, totally.

In the year 1397, there were 1938 veterinarian pharmacies, 1021 livestock vaccination centres and 1194 private veterinarian clinics.

**18.1. EMPLOYEES IN THE MEDICAL SCIENCES UNIVERSITIES BY OCCUPATION GROUP**

| Year and Ostan               | Total         | Physicians <sup>(1)</sup> | Paramedics    | Other employees <sup>(2)</sup> |
|------------------------------|---------------|---------------------------|---------------|--------------------------------|
| 1380.....                    | 295325        | 21175                     | 152396        | 121754                         |
| 1385.....                    | 321544        | 29937                     | 173076        | 118531                         |
| 1390.....                    | 361627        | 32493                     | 215950        | 113184                         |
| 1393.....                    | 413550        | 42108                     | 233668        | 137774                         |
| 1394.....                    | 405910        | 42393                     | 238869        | 124648                         |
| 1395 <sup>(3)</sup> .....    | 434511        | 46852                     | 262845        | 124814                         |
| 1396.....                    | 452386        | 48330                     | 274515        | 129541                         |
| <b>1397.....</b>             | <b>450471</b> | <b>48806</b>              | <b>282183</b> | <b>119482</b>                  |
| East Azarbayejan .....       | 21687         | 2477                      | 13831         | 5379                           |
| West Azarbayejan .....       | 15454         | 1526                      | 10511         | 3417                           |
| Ardebil .....                | 7749          | 620                       | 5329          | 1800                           |
| Esfahan.....                 | 28052         | 3326                      | 17178         | 7548                           |
| Alborz .....                 | 7629          | 1008                      | 5203          | 1418                           |
| Ilam .....                   | 5025          | 559                       | 3316          | 1150                           |
| Bushehr .....                | 7087          | 790                       | 4290          | 2007                           |
| Tehran .....                 | 49041         | 6948                      | 25409         | 16684                          |
| Chaharmahal&Bakhtiyari ..... | 7785          | 825                       | 5026          | 1934                           |
| South Khorasan .....         | 5952          | 650                       | 3915          | 1387                           |
| Khorasan-e-Razavi.....       | 33856         | 3372                      | 22271         | 8213                           |
| North Khorasan .....         | 6294          | 593                       | 3931          | 1770                           |
| Khuzestan.....               | 28988         | 2875                      | 18118         | 7995                           |
| Zanjan .....                 | 7076          | 709                       | 4465          | 1902                           |
| Semnan.....                  | 6975          | 630                       | 3930          | 2415                           |
| Sistan&Baluchestan .....     | 16435         | 1540                      | 9966          | 4929                           |
| Fars.....                    | 33825         | 3355                      | 21215         | 9255                           |
| Qazvin. ....                 | 7210          | 750                       | 4408          | 2052                           |
| Qom.....                     | 4932          | 535                       | 3040          | 1357                           |
| Kordestan .....              | 9572          | 1006                      | 6671          | 1895                           |
| Kerman.....                  | 20179         | 2195                      | 13045         | 4939                           |
| Kermanshah .....             | 14330         | 1347                      | 9476          | 3507                           |
| Kohgiluyeh&Boyerahmad. ....  | 4334          | 564                       | 3335          | 435                            |
| Golestan .....               | 11860         | 1455                      | 7711          | 2694                           |
| Gilan.....                   | 15581         | 1593                      | 9808          | 4180                           |
| Lorestan.....                | 10711         | 936                       | 7324          | 2451                           |
| Mazandaran .....             | 24307         | 2254                      | 15806         | 6247                           |
| Markazi .....                | 8821          | 970                       | 5147          | 2704                           |
| Hormozgan.....               | 10264         | 1057                      | 6763          | 2444                           |
| Hamedan .....                | 11280         | 1260                      | 6979          | 3041                           |
| Yazd .....                   | 8180          | 1081                      | 4766          | 2333                           |

1. Including foreign physicians, dentists, pharmacist, and veterinarian too.

2. Including those people not included in physicians and paramedics whether logistic or services personnel etc.

3. Excluding the statistics for Ahvaz and Behbahan Medical Science Universities.

Source: Ministry of Health and Medical Education.

**18.2. PHYSICIANS AND PROFESSIONAL DOCTORATE EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY**

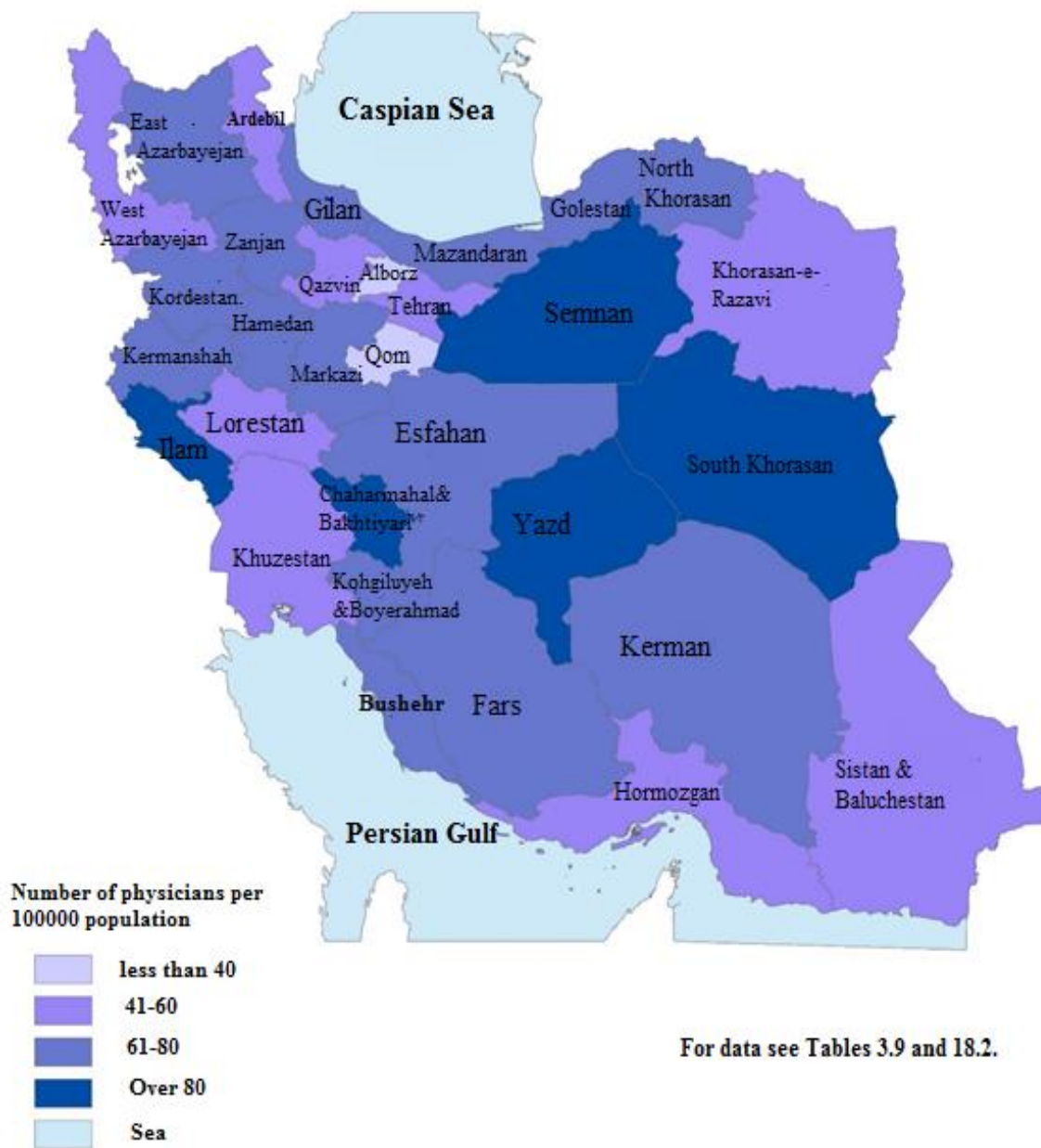
| Year and Ostan              | Grand total  | General practitioner | Dentist     | Doctorate in laboratory sciences | Pharmacist  | Specialist   | Sub-specialist | Professional doctorate |
|-----------------------------|--------------|----------------------|-------------|----------------------------------|-------------|--------------|----------------|------------------------|
| 1380.....                   | 21175        | 8568                 | 1945        | 000                              | 1069        | 9066         | 000            | 000                    |
| 1385.....                   | 29937        | 13485                | 2786        | 000                              | 1327        | 12258        | 000            | 000                    |
| 1390.....                   | 32493        | 14901                | 3625        | 000                              | 1731        | 000          | 000            | 000                    |
| 1393.....                   | 42108        | 15304                | 3714        | 285                              | 1817        | 15625        | 2167           | 3196                   |
| 1394.....                   | 42393        | 15340                | 3700        | 285                              | 1896        | 15679        | 2159           | 3334                   |
| 1395 <sup>(1)</sup> .....   | 46852        | 15868                | 4145        | 374                              | 2016        | 17452        | 2467           | 4530                   |
| 1396.....                   | 48330        | 16579                | 4270        | 265                              | 1987        | 17725        | 2629           | 4875                   |
| <b>1397.....</b>            | <b>48806</b> | <b>16130</b>         | <b>5222</b> | <b>340</b>                       | <b>2406</b> | <b>16530</b> | <b>2626</b>    | <b>5552</b>            |
| East Azarbayejan.....       | 2477         | 833                  | 232         | 10                               | 150         | 746          | 136            | 370                    |
| West Azarbayejan .....      | 1526         | 609                  | 164         | 11                               | 88          | 484          | 52             | 118                    |
| Ardebil .....               | 620          | 336                  | 58          | 3                                | 28          | 176          | 4              | 15                     |
| Esfahan.....                | 3326         | 1066                 | 396         | 34                               | 166         | 1167         | 192            | 305                    |
| Alborz .....                | 1008         | 323                  | 86          | 6                                | 73          | 412          | 57             | 51                     |
| Ilam .....                  | 559          | 202                  | 72          | 10                               | 14          | 164          | 17             | 80                     |
| Bushehr .....               | 790          | 303                  | 92          | 2                                | 26          | 256          | 32             | 79                     |
| Tehran .....                | 6948         | 909                  | 646         | 44                               | 386         | 2955         | 736            | 1272                   |
| Chaharmahal&Bakhtiyari .... | 825          | 347                  | 88          | 9                                | 22          | 211          | 44             | 104                    |
| South Khorasan .....        | 650          | 197                  | 93          | 0                                | 38          | 246          | 16             | 60                     |
| Khorasan-e-Razavi.....      | 3372         | 1170                 | 348         | 45                               | 165         | 1097         | 194            | 353                    |
| North Khorasan .....        | 593          | 212                  | 96          | 5                                | 32          | 183          | 16             | 49                     |
| Khuzestan.....              | 2875         | 1061                 | 220         | 24                               | 136         | 1042         | 124            | 268                    |
| Zanjan .....                | 709          | 250                  | 111         | 6                                | 32          | 234          | 54             | 22                     |
| Semnan.....                 | 630          | 191                  | 49          | 10                               | 21          | 266          | 33             | 60                     |
| Sistan&Baluchestan .....    | 1540         | 584                  | 193         | 9                                | 118         | 413          | 51             | 172                    |
| Fars.....                   | 3355         | 1135                 | 271         | 17                               | 160         | 1189         | 165            | 418                    |
| Qazvin.....                 | 750          | 242                  | 114         | 2                                | 28          | 219          | 41             | 104                    |
| Qom .....                   | 535          | 131                  | 61          | 0                                | 24          | 199          | 61             | 59                     |
| Kordestan .....             | 1006         | 389                  | 102         | 0                                | 36          | 364          | 36             | 79                     |
| Kerman .....                | 2195         | 746                  | 314         | 14                               | 65          | 658          | 84             | 314                    |
| Kermanshah .....            | 1347         | 525                  | 136         | 2                                | 75          | 375          | 47             | 187                    |
| Kohgiluyeh&Boyerahmad ...   | 564          | 205                  | 67          | 11                               | 30          | 153          | 19             | 79                     |
| Golestan .....              | 1455         | 558                  | 100         | 9                                | 55          | 610          | 37             | 86                     |
| Gilan .....                 | 1593         | 659                  | 231         | 11                               | 72          | 427          | 84             | 109                    |
| Lorestan .....              | 936          | 352                  | 77          | 5                                | 51          | 297          | 29             | 125                    |
| Mazandaran .....            | 2254         | 1013                 | 279         | 15                               | 125         | 638          | 70             | 114                    |
| Markazi .....               | 970          | 352                  | 102         | 5                                | 59          | 329          | 42             | 81                     |
| Hormozgan .....             | 1057         | 496                  | 125         | 9                                | 15          | 282          | 47             | 83                     |
| Hamedan .....               | 1260         | 404                  | 158         | 10                               | 59          | 382          | 37             | 210                    |
| Yazd .....                  | 1081         | 330                  | 141         | 2                                | 57          | 356          | 69             | 126                    |

*T. Excluding the statistics for Ahvaz and Behbahan Medical Science Universities.*

*Source: Ministry of Health, Treatment and Medical Education.*



**18.1. NUMBER OF PHYSICIANS PER 100000 POPULATION, THE YEAR 1397**



### 18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY

| Year and Ostan             | Grand total   | Professional nurse holding B.S. or higher degree | Nurse holding associate's degree | Operating room technician with associate's /bachelor's degree | Nurse anesthetist with associate's /bachelor's degree |
|----------------------------|---------------|--|----------------------------------|---|---|
| 1380.....                  | 152394        | 000  | 000                              | 2945  | 000   |
| 1385.....                  | 173076        | 000  | 000                              | 3671  | 000   |
| 1390.....                  | 215950        | 59490  | 000                              | 5226  | 4395  |
| 1393.....                  | 233668        | 69931  | 469                              | 6171  | 5028  |
| 1394.....                  | 238869        | 73795  | 414                              | 6168  | 5268  |
| 1395 <sup>(1)</sup> .....  | 262845        | 83355  | 480                              | 6271  | 5146  |
| 1396.....                  | 274515        | 90544  | 351                              | 6567  | 5388  |
| <b>1397.....</b>           | <b>282183</b> | <b>92792</b>                                     | <b>357</b>                       | <b>9456</b>   | <b>8184</b>   |
| East Azarbayejan.....      | 13831         | 4462   | 14                               | 316   | 360   |
| West Azarbayejan.....      | 10511         | 3422   | 12                               | 282   | 266   |
| Ardebil.....               | 5329          | 1830   | 4                                | 177   | 101   |
| Esfahan.....               | 17178         | 6750   | 47                               | 610   | 578   |
| Alborz.....                | 5203          | 2080   | 3                                | 218   | 212   |
| Ilam.....                  | 3316          | 860  | 1                                | 151   | 135   |
| Bushehr.....               | 4290          | 1066   | 2                                | 112   | 143   |
| Tehran.....                | 25409         | 10202  | 127                              | 1026  | 1004  |
| Chaharmahal&Bakhtiyari ... | 5026          | 1461   | 1                                | 86  | 96  |
| South Khorasan.....        | 3915          | 1274   | 1                                | 151   | 111   |
| Khorasan-e-Razavi.....     | 22271         | 7914   | 14                               | 864   | 706   |
| North Khorasan.....        | 3931          | 1259   | 2                                | 143   | 108   |
| Khuzestan.....             | 18118         | 4478   | 9                                | 510   | 436   |
| Zanjan.....                | 4465          | 1364   | 5                                | 156   | 117   |
| Semnan.....                | 3930          | 1474   | 5                                | 176   | 129   |
| Sistan&Baluchestan.....    | 9966          | 2233   | 0                                | 398   | 322   |
| Fars.....                  | 21215         | 7546   | 18                               | 889   | 695   |
| Qazvin.....                | 4408          | 1441   | 7                                | 135   | 127   |
| Qom.....                   | 3040          | 1370   | 3                                | 142   | 122   |
| Kordestan.....             | 6671          | 1935   | 8                                | 229   | 181   |
| Kerman.....                | 13045         | 3883   | 8                                | 337   | 297   |
| Kermanshah.....            | 9476          | 3095   | 8                                | 307   | 237   |
| Kohgiluyeh&Boyerahmad...   | 3335          | 1012   | 17                               | 90  | 105   |
| Golestan.....              | 7711          | 2749   | 6                                | 89  | 48  |
| Gilan.....                 | 9808          | 3244   | 20                               | 276   | 265   |
| Lorestan.....              | 7324          | 2586   | 2                                | 270   | 251   |
| Mazandaran.....            | 15806         | 4987   | 5                                | 479   | 367   |
| Markazi.....               | 5147          | 1565   | 2                                | 170   | 135   |
| Hormozgan.....             | 6763          | 1557   | 4                                | 147   | 143   |
| Hamedan.....               | 6979          | 2097   | 2                                | 311   | 201   |
| Yazd.....                  | 4766          | 1596   | 0                                | 209   | 186   |

**18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY (continued)**

| Year and Ostan               | Health worker | Health attendant<br>(Behvarz) | Midwife      | Other paramedics |
|------------------------------|---------------|-------------------------------|--------------|------------------|
| 1380.....                    | 000           | 000                           | 8105         | 000              |
| 1385.....                    | 000           | 27620                         | 10555        | 000              |
| 1390.....                    | 20007         | 28691                         | 16429        | 81712            |
| 1393.....                    | 12776         | 31783                         | 19921        | 87589            |
| 1394.....                    | 10713         | 30131                         | 21068        | 91312            |
| 1395.....                    | 11657         | 30868                         | 23753        | 101315           |
| 1396.....                    | 11563         | 29782                         | 26000        | 104320           |
| <b>1397.....</b>             | <b>10302</b>  | <b>30259</b>                  | <b>25207</b> | <b>105626</b>    |
| East Azarbayejan .....       | 212           | 1816                          | 1384         | 5267             |
| West Azarbayejan .....       | 289           | 1530                          | 1357         | 3353             |
| Ardebil .....                | 80            | 893                           | 454          | 1790             |
| Esfahan.....                 | 565           | 1158                          | 952          | 6518             |
| Alborz .....                 | 127           | 162                           | 656          | 1745             |
| Ilam .....                   | 106           | 37                            | 391          | 1635             |
| Bushehr .....                | 401           | 451                           | 466          | 1649             |
| Tehran .....                 | 814           | 451                           | 1726         | 10059            |
| Chaharmahal&Bakhtiyari ..... | 171           | 530                           | 455          | 2226             |
| South Khorasan .....         | 91            | 464                           | 251          | 1572             |
| Khorasan-e-Razavi.....       | 371           | 2299                          | 1588         | 8515             |
| North Khorasan .....         | 47            | 611                           | 449          | 1312             |
| Khuzestan.....               | 1272          | 1666                          | 2189         | 7558             |
| Zanjan .....                 | 179           | 651                           | 481          | 1512             |
| Semnan.....                  | 101           | 224                           | 265          | 1556             |
| Sistan&Baluchestan .....     | 830           | 1665                          | 1099         | 3419             |
| Fars.....                    | 1216          | 1930                          | 1559         | 7362             |
| Qazvin.....                  | 77            | 480                           | 431          | 1710             |
| Qom .....                    | 132           | 81                            | 244          | 946              |
| Kordestan .....              | 252           | 1091                          | 729          | 2246             |
| Kerman .....                 | 762           | 1576                          | 1315         | 4867             |
| Kermanshah .....             | 263           | 1075                          | 750          | 3741             |
| Kohgiluyeh&Boyerahmad .....  | 162           | 589                           | 330          | 1030             |
| Golestan .....               | 49            | 1194                          | 825          | 2751             |
| Gilan .....                  | 164           | 1609                          | 932          | 3298             |
| Lorestan .....               | 54            | 1039                          | 570          | 2552             |
| Mazandaran .....             | 372           | 2061                          | 1239         | 6296             |
| Markazi .....                | 182           | 723                           | 545          | 1825             |
| Hormozgan .....              | 335           | 1005                          | 572          | 3000             |
| Hamedan .....                | 441           | 937                           | 585          | 2405             |
| Yazd .....                   | 185           | 261                           | 418          | 1911             |

*1. Excluding statistics for Ahvaz and Behbahan Medical Science Universities.*

*Source: Ministry of Health and Medical Education.*

**18.4. NUMBER OF ACTIVE HOSPITALS AND LICENCED BEDS BY TYPE OF AFFILIATION**

| Year and Ostan              | Grand total |               | State-run                  |               |  |              |
|-----------------------------|-------------|---------------|----------------------------|---------------|--|--------------|
|                             | Hospital    | Licensed bed  | Medical Science University |               | Other public institutions and organizations <sup>(1)</sup> |              |
|                             |             |               | Hospital                   | Licensed bed  | Hospital   | Licensed bed |
| 1380.....                   | 000         | 000           | 000                        | 000           | 000  | 000          |
| 1385.....                   | 000         | 000           | 000                        | 000           | 000  | 000          |
| 1390.....                   | 000         | 000           | 000                        | 000           | 000  | 000          |
| 1393.....                   | 895         | 144901        | 555                        | 100701        | 96   | 12480        |
| 1394.....                   | 899         | 148035        | 562                        | 102859        | 93   | 12640        |
| 1395.....                   | 954         | 157303        | 594                        | 107403        | 97   | 13965        |
| 1396.....                   | 968         | 161230        | 602                        | 110617        | 95   | 14485        |
| <b>1397.....</b>            | <b>1016</b> | <b>166543</b> | <b>629</b>                 | <b>112683</b> | <b>69</b>  | <b>11533</b> |
| East Azarbayejan .....      | 49          | 7750          | 32                         | 5813          | 3  | 0            |
| West Azarbayejan .....      | 34          | 5496          | 25                         | 4489          | 2  | 204          |
| Ardebil.....                | 17          | 3794          | 12                         | 2574          | 0  | 0            |
| Esfahan.....                | 68          | 10183         | 45                         | 6944          | 2  | 500          |
| Alborz.....                 | 18          | 2932          | 11                         | 1723          | 0  | 0            |
| Ilam.....                   | 12          | 1237          | 9                          | 1019          | 0  | 0            |
| Bushehr .....               | 18          | 1765          | 10                         | 1231          | 5  | 260          |
| Tehran .....                | 168         | 36684         | 51                         | 15221         | 23   | 6618         |
| Chaharmahal&Bakhtiyari..... | 11          | 2224          | 10                         | 2022          | 0  | 0            |
| South Khorasan.....         | 17          | 1680          | 14                         | 1456          | 1  | 32           |
| Khorasan-e-Razavi.....      | 66          | 13013         | 43                         | 9769          | 4  | 370          |
| North Khorasan .....        | 12          | 1525          | 10                         | 1353          | 0  | 0            |
| Khuzestan.....              | 60          | 9523          | 36                         | 6115          | 10   | 1908         |
| Zanjan.....                 | 14          | 1981          | 10                         | 1641          | 0  | 0            |
| Semnan.....                 | 12          | 1924          | 9                          | 1592          | 0  | 0            |
| Sistan&Baluchestan .....    | 23          | 3452          | 18                         | 2967          | 0  | 0            |
| Fars.....                   | 78          | 13259         | 54                         | 10385         | 6  | 518          |
| Qazvin .....                | 15          | 1904          | 8                          | 1166          | 0  | 0            |
| Qom.....                    | 10          | 2479          | 6                          | 1747          | 0  | 0            |
| Kordestan.....              | 20          | 3420          | 16                         | 3096          | 1  | 64           |
| Kerman .....                | 40          | 5409          | 26                         | 3964          | 4  | 288          |
| Kermanshah .....            | 23          | 3715          | 17                         | 2972          | 2  | 228          |
| Kohgiluyeh&Boyerahmad.....  | 10          | 1234          | 8                          | 1070          | 1  | 82           |
| Golestan .....              | 25          | 3294          | 16                         | 2510          | 0  | 51           |
| Gilan .....                 | 37          | 5284          | 26                         | 3969          | 1  | 60           |
| Lorestan .....              | 26          | 3126          | 17                         | 2434          | 1  | 50           |
| Mazandaran .....            | 48          | 6281          | 31                         | 4913          | 0  | 0            |
| Markazi .....               | 22          | 2926          | 16                         | 1984          | 0  | 0            |
| Hormozgan.....              | 21          | 2384          | 14                         | 1564          | 3  | 300          |
| Hamedan .....               | 22          | 3298          | 16                         | 2682          | 0  | 0            |
| Yazd .....                  | 20          | 3367          | 13                         | 2298          | 0  | 0            |

### 18.4. NUMBER OF ACTIVE HOSPITALS AND LICENCED BEDS BY TYPE OF AFFILIATION (continued)

| Year and Ostan                  | Non-public      |              |  |              |            |              |           |              |                      |              |
|---------------------------------|-----------------|--------------|--|--------------|------------|--------------|-----------|--------------|----------------------|--------------|
|                                 | Social Security |              | Other public institutions and organizations <sup>(2)</sup> |              | Private    |              | Charity   |              | Other <sup>(3)</sup> |              |
|                                 | Hospital        | Licensed bed | Hospital   | Licensed bed | Hospital   | Licensed bed | Hospital  | Licensed bed | Hospital             | Licensed bed |
| 1380 .....                      | 000             | 000          | 000  | 000          | 000        | 000          | 000       | 000          | 000                  | 000          |
| 1385 .....                      | 000             | 000          | 000  | 000          | 000        | 000          | 000       | 000          | 000                  | 000          |
| 1390 .....                      | 000             | 000          | 000  | 000          | 000        | 000          | 000       | 000          | 000                  | 000          |
| 1393 .....                      | 70              | 11804        | 96   | 12480        | 146        | 15748        | 28        | 4168         | 000                  | 000          |
| 1394 .....                      | 68              | 11976        | 93   | 12640        | 146        | 16238        | 30        | 4322         | 000                  | 000          |
| 1395 .....                      | 72              | 12021        | 97   | 13965        | 159        | 19008        | 32        | 4906         | 000                  | 000          |
| 1396 .....                      | 70              | 12394        | 95   | 14485        | 168        | 18722        | 33        | 5012         | 000                  | 000          |
| <b>1397 .....</b>               | <b>75</b>       | <b>12756</b> | <b>32</b>  | <b>4416</b>  | <b>174</b> | <b>18703</b> | <b>35</b> | <b>5338</b>  | <b>2</b>             | <b>1114</b>  |
| East Azarbayejan..              | 2               | 407          | 4  | 600          | 7          | 764          | 1         | 166          | 0                    | 0            |
| West Azarbayejan.               | 2               | 286          | 0  | 0            | 4          | 421          | 1         | 96           | 0                    | 0            |
| Ardebil .....                   | 2               | 222          | 1  | 148          | 2          | 120          | 0         | 0            | 0                    | 730          |
| Esfahan .....                   | 4               | 988          | 4  | 560          | 9          | 809          | 4         | 382          | 0                    | 0            |
| Alborz .....                    | 1               | 316          | 1  | 250          | 5          | 643          | 0         | 0            | 0                    | 0            |
| Ilam .....                      | 1               | 60           | 0  | 0            | 2          | 158          | 0         | 0            | 0                    | 0            |
| Bushehr .....                   | 3               | 274          | 0  | 0            | 0          | 0            | 0         | 0            | 0                    | 0            |
| Tehran .....                    | 12              | 3170         | 6  | 2051         | 65         | 8335         | 11        | 1289         | 0                    | 0            |
| Chaharmahal<br>&Bakhtiyari..... | 1               | 202          | 0  | 0            | 0          | 0            | 0         | 0            | 0                    | 0            |
| South Khorasan....              | 2               | 192          | 0  | 0            | 0          | 0            | 0         | 0            | 0                    | 0            |
| Khorasan-e-<br>Razavi .....     | 3               | 688          | 0  | 0            | 8          | 714          | 7         | 1152         | 1                    | 320          |
| North Khorasan....              | 1               | 122          | 1  | 50           | 0          | 0            | 0         | 0            | 0                    | 0            |
| Khuzestan .....                 | 7               | 620          | 2  | 85           | 4          | 690          | 1         | 105          | 0                    | 0            |
| Zanjan .....                    | 2               | 190          | 1  | 50           | 1          | 100          | 0         | 0            | 0                    | 0            |
| Semnan .....                    | 1               | 128          | 1  | 140          | 1          | 64           | 0         | 0            | 0                    | 0            |
| Sistan&Baluchesta               | 2               | 311          | 2  | 110          | 0          | 0            | 1         | 64           | 0                    | 0            |
| Fars .....                      | 1               | 300          | 0  | 0            | 14         | 1026         | 3         | 1030         | 0                    | 0            |
| Qazvin.....                     | 2               | 326          | 0  | 0            | 4          | 362          | 1         | 50           | 0                    | 0            |
| Qom .....                       | 1               | 120          | 1  | 118          | 0          | 0            | 2         | 494          | 0                    | 0            |
| Kordestan.....                  | 2               | 210          | 0  | 0            | 1          | 50           | 0         | 0            | 0                    | 0            |
| Kerman .....                    | 3               | 570          | 0  | 0            | 6          | 462          | 1         | 125          | 0                    | 0            |
| Kermanshah.....                 | 2               | 230          | 0  | 0            | 2          | 285          | 0         | 0            | 0                    | 0            |
| Kohgiluyeh&<br>Boyerahmad.....  | 0               | 32           | 1  | 0            | 0          | 50           | 0         | 0            | 0                    | 0            |
| Golestan.....                   | 2               | 350          | 1  | 0            | 6          | 383          | 0         | 0            | 0                    | 0            |
| Gilan .....                     | 1               | 270          | 0  | 0            | 9          | 985          | 0         | 0            | 0                    | 0            |
| Lorestan .....                  | 3               | 320          | 0  | 0            | 5          | 322          | 0         | 0            | 0                    | 0            |
| Mazandaran .....                | 5               | 436          | 3  | 128          | 9          | 804          | 0         | 0            | 0                    | 0            |
| Markazi.....                    | 3               | 444          | 0  | 0            | 3          | 498          | 0         | 0            | 0                    | 0            |
| Hormozgan .....                 | 1               | 300          | 0  | 0            | 2          | 156          | 0         | 0            | 1                    | 64           |
| Hamedan.....                    | 2               | 416          | 2  | 50           | 2          | 150          | 0         | 0            | 0                    | 0            |
| Yazd.....                       | 1               | 256          | 1  | 76           | 3          | 352          | 2         | 385          | 0                    | 0            |

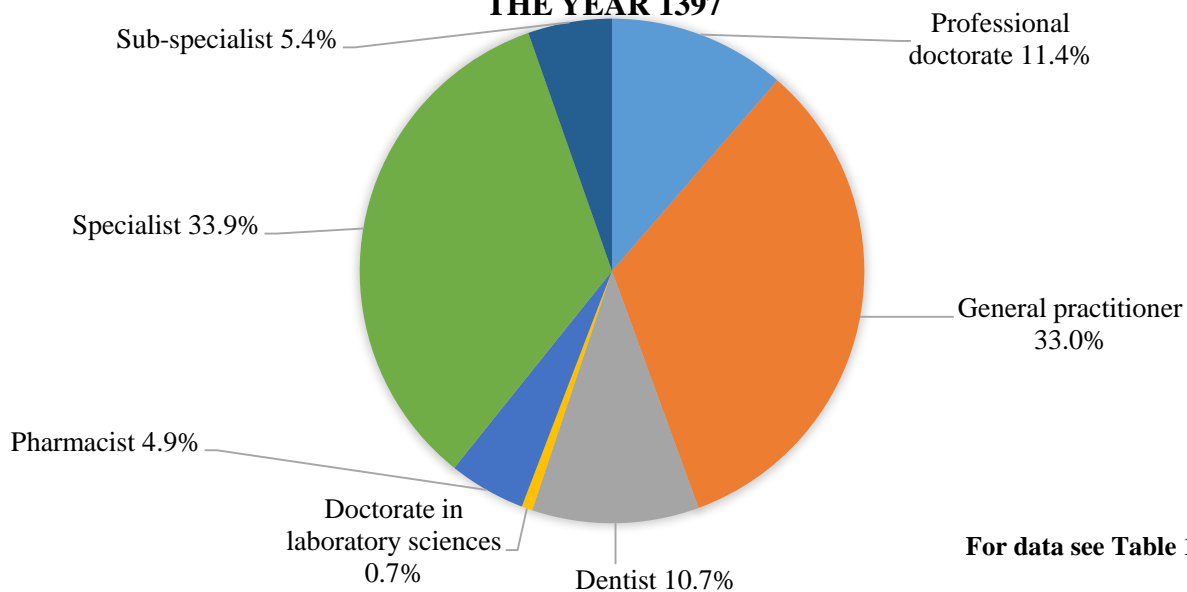
1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

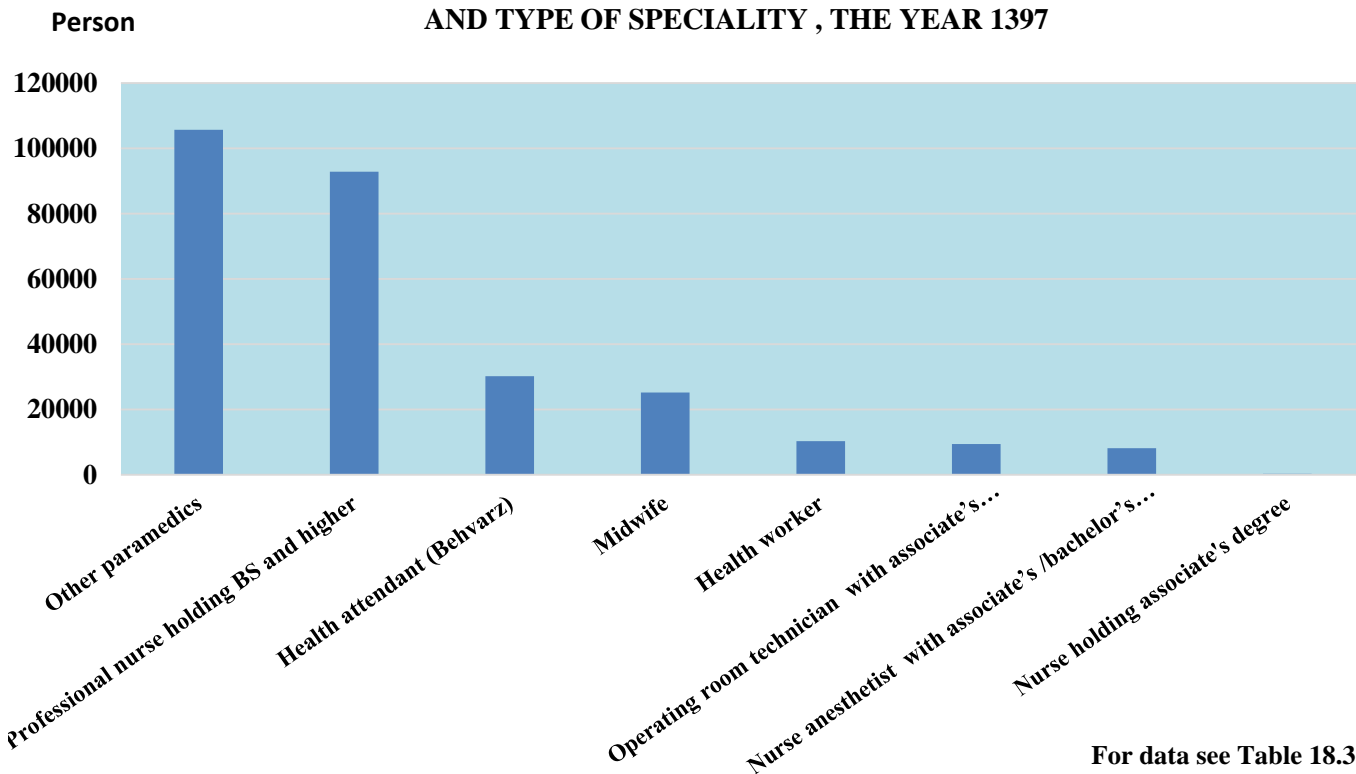
Source: Ministry of Health and Medical Education

**18.2. DISTRIBUTION OF PHYSICIANS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD SPECIALITY: THE YEAR 1397**



For data see Table 18.2.

**18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY , THE YEAR 1397**



For data see Table 18.3.

**18.5. NUMBER OF AVAILABLE (ACTIVE) BEDS IN HOSPITAL WARDS**

| Year and Ostan             | Total         | Psychological | Burn       | Intensive care unit (ICU) | Coronary care unit (CCU) | Neonatal intensive care unit (NICU) | Other         |
|----------------------------|---------------|---------------|------------|---------------------------|--------------------------|-------------------------------------|---------------|
| 1380.....                  | 000           | 000           | 000        | 000                       | 000                      | 000                                 | 000           |
| 1385.....                  | 000           | 000           | 000        | 000                       | 000                      | 000                                 | 000           |
| 1390.....                  | 000           | 000           | 000        | 000                       | 000                      | 000                                 | 000           |
| 1393.....                  | 110485        | 10299         | 887        | 6374                      | 4887                     | 2169                                | 85869         |
| 1394.....                  | 110873        | 8935          | 840        | 6628                      | 4849                     | 2405                                | 87216         |
| 1395.....                  | 118156        | 9870          | 894        | 7642                      | 5331                     | 2771                                | 91648         |
| 1396.....                  | 125566        | 10332         | 914        | 8212                      | 5589                     | 3088                                | 97431         |
| <b>1397.....</b>           | <b>138117</b> | <b>10247</b>  | <b>921</b> | <b>8929</b>               | <b>5930</b>              | <b>3262</b>                         | <b>108828</b> |
| East Azarbayejan .....     | 6933          | 655           | 57         | 468                       | 258                      | 161                                 | 5334          |
| West Azarbayejan .....     | 3933          | 119           | 17         | 282                       | 162                      | 80                                  | 3273          |
| Ardebil .....              | 2452          | 209           | 10         | 101                       | 57                       | 35                                  | 2040          |
| Esfahan.....               | 8979          | 792           | 56         | 525                       | 310                      | 169                                 | 7127          |
| Alborz .....               | 3061          | 122           | 14         | 246                       | 125                      | 77                                  | 2477          |
| Ilam.....                  | 973           | 62            | 8          | 44                        | 45                       | 21                                  | 793           |
| Bushehr .....              | 1465          | 45            | 24         | 81                        | 57                       | 37                                  | 1221          |
| Tehran .....               | 29153         | 3129          | 137        | 2545                      | 1562                     | 772                                 | 21008         |
| Chaharmahal&Bakhtiyari.... | 1589          | 173           | 10         | 60                        | 45                       | 47                                  | 1254          |
| South Khorasan.....        | 1357          | 107           | 10         | 83                        | 57                       | 46                                  | 1054          |
| Khorasan-e-Razavi.....     | 9819          | 924           | 51         | 604                       | 310                      | 291                                 | 7639          |
| North Khorasan .....       | 1282          | 52            | 10         | 45                        | 35                       | 36                                  | 1104          |
| Khuzestan.....             | 8394          | 609           | 58         | 456                       | 379                      | 178                                 | 6714          |
| Zanjan .....               | 1969          | 146           | 17         | 89                        | 49                       | 52                                  | 1616          |
| Semnan.....                | 1600          | 52            | 0          | 117                       | 61                       | 33                                  | 1337          |
| Sistan&Baluchestan .....   | 3328          | 126           | 18         | 163                       | 109                      | 80                                  | 2832          |
| Fars.....                  | 10545         | 870           | 67         | 551                       | 379                      | 245                                 | 8433          |
| Qazvin .....               | 1844          | 70            | 18         | 104                       | 91                       | 34                                  | 1527          |
| Qom.....                   | 2124          | 0             | 4          | 122                       | 66                       | 49                                  | 1883          |
| Kordestan .....            | 2824          | 200           | 14         | 137                       | 82                       | 54                                  | 2337          |
| Kerman .....               | 4914          | 419           | 36         | 268                       | 235                      | 96                                  | 3860          |
| Kermanshah .....           | 2995          | 191           | 34         | 195                       | 118                      | 62                                  | 2395          |
| Kohgiluyeh &Boyerahmad..   | 1707          | 108           | 14         | 54                        | 51                       | 29                                  | 1451          |
| Golestan .....             | 2923          | 0             | 6          | 163                       | 155                      | 55                                  | 2544          |
| Gilan .....                | 3695          | 222           | 5          | 185                       | 176                      | 39                                  | 3068          |
| Lorestan .....             | 2740          | 229           | 22         | 204                       | 146                      | 110                                 | 2029          |
| Mazandaran .....           | 5413          | 130           | 129        | 460                       | 319                      | 131                                 | 4244          |
| Markazi .....              | 2150          | 45            | 18         | 140                       | 111                      | 32                                  | 1804          |
| Hormozgan.....             | 2269          | 111           | 15         | 119                       | 109                      | 62                                  | 1853          |
| Hamedan .....              | 2914          | 196           | 24         | 167                       | 111                      | 62                                  | 2354          |
| Yazd .....                 | 2773          | 134           | 18         | 151                       | 160                      | 87                                  | 2223          |

Source: Ministry of Health and Medical Education.

**18.6. ESTABLISHMENTS OFFERING PRIMARY HEALTH CARE**

| Year and Ostan                   | Total                | Comprehensive health service centers |             |                 |                 | Health care station |                               | Active health houses | Maternity facilities | Border health care station |
|----------------------------------|----------------------|--------------------------------------|-------------|-----------------|-----------------|---------------------|-------------------------------|----------------------|----------------------|----------------------------|
|                                  |                      | Urban                                | Rural       | Urban and rural | Round-the-clock | Rural               | Urban attached and unattached |                      |                      |                            |
| 1380 .....                       | 000                  | 000                                  | 000         | 000             | 000             | 000                 | 000                           | 000                  | 000                  | 000                        |
| 1385 .....                       | 12166 <sup>(1)</sup> | 000                                  | 000         | 000             | 000             | 000                 | 000                           | 12166                | 000                  | 000                        |
| 1390 .....                       | 17649 <sup>(1)</sup> | 000                                  | 000         | 000             | 000             | 000                 | 000                           | 17649                | 000                  | 000                        |
| 1393 .....                       | 24976 <sup>(1)</sup> | 2376                                 | 2281        | 000             | 000             | 123                 | 2278                          | 17644                | 274                  | 000                        |
| 1394 .....                       | 25636 <sup>(1)</sup> | 2394                                 | 2278        | 000             | 000             | 139                 | 2776                          | 17792                | 257                  | 000                        |
| 1395 .....                       | 27868 <sup>(1)</sup> | 2820                                 | 2697        | 000             | 000             | 177                 | 4021                          | 17854                | 299                  | 000                        |
| 1396 .....                       | 28468 <sup>(1)</sup> | 2863                                 | 2820        | 000             | 000             | 225                 | 4190                          | 18116                | 254                  | 000                        |
| <b>1397 .....</b>                | <b>29465</b>         | <b>1559</b>                          | <b>2645</b> | <b>1059</b>     | <b>561</b>      | <b>324</b>          | <b>5265</b>                   | <b>17746</b>         | <b>214</b>           | <b>92</b>                  |
| East Azarbayejan...              | 1636                 | 103                                  | 151         | 67              | 27              | 22                  | 214                           | 1043                 | 6                    | 3                          |
| West Azarbayejan..               | 1470                 | 55                                   | 113         | 53              | 12              | 22                  | 223                           | 975                  | 12                   | 5                          |
| Ardebil .....                    | 764                  | 20                                   | 59          | 21              | 16              | 7                   | 105                           | 527                  | 7                    | 2                          |
| Esfahan .....                    | 1374                 | 144                                  | 97          | 69              | 53              | 8                   | 466                           | 527                  | 9                    | 1                          |
| Alborz .....                     | 349                  | 50                                   | 14          | 9               | 5               | 10                  | 185                           | 76                   | 0                    | 0                          |
| Ilam .....                       | 336                  | 14                                   | 25          | 26              | 10              | 6                   | 48                            | 202                  | 4                    | 1                          |
| Bushehr .....                    | 428                  | 25                                   | 30          | 31              | 23              | 1                   | 82                            | 218                  | 4                    | 14                         |
| Tehran .....                     | 1439                 | 223                                  | 62          | 29              | 28              | 56                  | 766                           | 267                  | 4                    | 4                          |
| Chaharmahal<br>& Bakhtiyari..... | 553                  | 37                                   | 64          | 25              | 23              | 4                   | 91                            | 305                  | 4                    | 0                          |
| South Khorasan .....             | 492                  | 11                                   | 61          | 17              | 13              | 5                   | 63                            | 315                  | 5                    | 2                          |
| Khorasan-e-Razavi.               | 2283                 | 113                                  | 212         | 60              | 39              | 25                  | 391                           | 1419                 | 9                    | 15                         |
| North Khorasan .....             | 552                  | 15                                   | 64          | 16              | 6               | 6                   | 53                            | 386                  | 6                    | 0                          |
| Khuzestan.....                   | 1662                 | 131                                  | 126         | 64              | 37              | 17                  | 358                           | 905                  | 12                   | 12                         |
| Zanjan .....                     | 665                  | 27                                   | 68          | 9               | 11              | 5                   | 79                            | 457                  | 9                    | 0                          |
| Semnan.....                      | 262                  | 20                                   | 23          | 18              | 6               | 3                   | 57                            | 134                  | 1                    | 0                          |
| Sistan&Baluchestan               | 1450                 | 42                                   | 174         | 29              | 29              | 17                  | 146                           | 969                  | 41                   | 3                          |
| Fars.....                        | 1758                 | 66                                   | 197         | 91              | 38              | 30                  | 285                           | 1034                 | 15                   | 2                          |
| Qazvin.....                      | 472                  | 29                                   | 40          | 9               | 12              | 9                   | 108                           | 260                  | 5                    | 0                          |
| Qom.....                         | 196                  | 28                                   | 9           | 5               | 0               | 1                   | 94                            | 59                   | 0                    | 0                          |
| Kordestan .....                  | 902                  | 37                                   | 71          | 36              | 6               | 0                   | 119                           | 630                  | 2                    | 1                          |
| Kerman .....                     | 1387                 | 52                                   | 130         | 55              | 18              | 14                  | 208                           | 903                  | 6                    | 1                          |
| Kermanshah .....                 | 944                  | 24                                   | 59          | 36              | 13              | 1                   | 146                           | 647                  | 13                   | 5                          |
| Kohgiluyeh&<br>Boyerahmad .....  | 504                  | 10                                   | 47          | 19              | 11              | 3                   | 52                            | 351                  | 11                   | 0                          |
| Golestan .....                   | 800                  | 22                                   | 87          | 33              | 11              | 20                  | 53                            | 570                  | 2                    | 2                          |
| Gilan.....                       | 1324                 | 20                                   | 97          | 78              | 16              | 2                   | 139                           | 969                  | 0                    | 3                          |
| Lorestan.....                    | 888                  | 56                                   | 67          | ...             | 18              | 0                   | 123                           | 624                  | 0                    | 0                          |
| Mazandaran .....                 | 1772                 | 67                                   | 200         | 24              | 27              | 5                   | 184                           | 1258                 | 5                    | 2                          |
| Markazi .....                    | 660                  | 28                                   | 67          | 35              | 13              | 2                   | 123                           | 390                  | 2                    | 0                          |
| Hormozgan.....                   | 941                  | 36                                   | 108         | 36              | 16              | 10                  | 109                           | 596                  | 18                   | 12                         |
| Hamedan .....                    | 851                  | 21                                   | 88          | 49              | 15              | 13                  | 105                           | 559                  | 0                    | 1                          |
| Yazd .....                       | 351                  | 33                                   | 35          | 10              | 9               | 0                   | 90                            | 171                  | 2                    | 1                          |

*1. Revised figures.*

*Source: Ministry of Health and Medical Education.*



**18.7. MEDICAL AND GENETICS DIAGNOSTIC LABORATORY BY TYPE OF AFFILIATION**

| Year and Ostan                 | Total       | Medical diagnostic laboratory |  |                 |  |             |            |                      |
|--------------------------------|-------------|-------------------------------|--|-----------------|--|-------------|------------|----------------------|
|                                |             | State-run                     |  | Non-public      |  |             |            |                      |
|                                |             | Medical Science University    | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private     | Charity    | Other <sup>(3)</sup> |
| 1380.....                      | 3701        | 1873                          | 000  | 000             | 000  | 1355        | 000        | 000                  |
| 1385.....                      | 4414        | 2071                          | 000  | 000             | 000  | 1768        | 000        | 000                  |
| 1390.....                      | 4850        | 2075                          | 000  | 000             | 000  | 2156        | 000        | 000                  |
| 1393.....                      | 5481        | 2234                          | 311  | 246             | 000  | 2533        | 157        | 000                  |
| 1394.....                      | 5639        | 2340                          | 305  | 261             | 000  | 2588        | 145        | 000                  |
| 1395.....                      | 5642        | 2269                          | 321  | 280             | 000  | 2631        | ۱۴۱        | 000                  |
| 1396.....                      | 5621        | 2126                          | 341  | 280             | 000  | 2736        | 138        | 000                  |
| <b>1397<sup>(4)</sup>.....</b> | <b>5359</b> | <b>1880</b>                   | <b>192</b>   | <b>230</b>      | <b>122</b>   | <b>2683</b> | <b>142</b> | <b>20</b>            |
| East Azarbayejan .....         | 178         | 8                             | 0  | 1               | 11   | 154         | 0          | 0                    |
| West Azarbayejan .....         | 172         | 95                            | 4  | 8               | 0  | 63          | 1          | 0                    |
| Ardebil .....                  | 59          | 17                            | 0  | 4               | 6  | 30          | 1          | 0                    |
| Esfahan.....                   | 348         | 86                            | 10   | 25              | 4  | 203         | 13         | 0                    |
| Alborz.....                    | 178         | 29                            | 8  | 7               | 4  | 124         | 1          | 0                    |
| Ilam. ....                     | 57          | 33                            | 0  | 1               | 2  | 16          | 3          | 2                    |
| Bushehr .....                  | 82          | 49                            | 6  | 6               | 0  | 21          | 0          | 0                    |
| Tehran .....                   | 1206        | 242                           | 49   | 30              | 28   | 771         | 60         | 0                    |
| Chaharmahal & Bakhtiyari.....  | 128         | 107                           | 1  | 5               | 0  | 14          | 0          | 0                    |
| South Khorasan.....            | 38          | 17                            | 2  | 4               | 1  | 13          | 0          | 0                    |
| Khorasan-e-Razavi.....         | 427         | 178                           | 23   | 14              | 1  | 175         | 24         | 2                    |
| North Khorasan .....           | 73          | 51                            | 0  | 4               | 4  | 13          | 1          | 0                    |
| Khuzestan.....                 | 192         | 17                            | 19   | 8               | 6  | 135         | 5          | 0                    |
| Zanjan.....                    | 76          | 41                            | 0  | 7               | 4  | 23          | 1          | 0                    |
| Semnan.....                    | 68          | 37                            | 1  | 5               | 3  | 22          | 0          | 0                    |
| Sistan&Baluchestan .....       | 157         | 118                           | 0  | 6               | 5  | 25          | 2          | 0                    |
| Fars.....                      | 347         | 105                           | 5  | 12              | 22   | 186         | 7          | 4                    |
| Qazvin .....                   | 94          | 36                            | 0  | 8               | 4  | 42          | 1          | 0                    |
| Qom.....                       | 60          | 7                             | 0  | 4               | 4  | 31          | 12         | 0                    |
| Kordestan.....                 | 51          | 15                            | 1  | 2               | 0  | 33          | 0          | 0                    |
| Kerman .....                   | 202         | 112                           | 10   | 9               | 0  | 63          | 4          | 0                    |
| Kermanshah .....               | 136         | 74                            | 12   | 6               | 0  | 43          | 0          | 0                    |
| Kohgiluyeh&Boyerahmad.....     | 74          | 42                            | 2  | 5               | 1  | 23          | 0          | 0                    |
| Golestan .....                 | 122         | 40                            | 4  | 7               | 0  | 65          | 0          | 5                    |
| Gilan .....                    | 148         | 26                            | 5  | 11              | 0  | 105         | 0          | 0                    |
| Lorestan .....                 | 86          | 43                            | 3  | 5               | 0  | 34          | 0          | 0                    |
| Mazandaran .....               | 146         | 27                            | 2  | 4               | 5  | 104         | 0          | 0                    |
| Markazi .....                  | 133         | 77                            | 0  | 9               | 7  | 40          | 0          | 0                    |
| Hormozgan.....                 | 51          | 13                            | 5  | 2               | 0  | 29          | 1          | 0                    |
| Hamedan .....                  | 126         | 55                            | 13   | 1               | 0  | 47          | 3          | 7                    |
| Yazd .....                     | 144         | 83                            | 7  | 10              | 0  | 36          | 2          | 0                    |

### 18.7. MEDICAL AND GENETICS DIAGNOSTIC LABORATORY BY TYPE OF AFFILIATION (continued)

| Year and Ostan                  | Genetics diagnostic laboratory |  |                 |  |           |          |                      |
|---------------------------------|--------------------------------|--|-----------------|--|-----------|----------|----------------------|
|                                 | State-run                      |  | Non-public      |  |           |          |                      |
|                                 | Medical Science University     | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private   | Charity  | Other <sup>(3)</sup> |
| 1380 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1385 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1390 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1393 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1394 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1395 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| 1396 .....                      | 000                            | 000  | 000             | 000  | 000       | 000      | 000                  |
| <b>1397<sup>(3)</sup> .....</b> | <b>14</b>                      | <b>2</b>   | <b>0</b>        | <b>1</b>   | <b>72</b> | <b>1</b> | <b>0</b>             |
| East Azarbayejan .....          | 0                              | 0  | 0               | 0  | 4         | 0        | 0                    |
| West Azarbayejan.....           | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Ardebil .....                   | 1                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Esfahan. ....                   | 1                              | 0  | 0               | 0  | 6         | 0        | 0                    |
| Alborz .....                    | 0                              | 0  | 0               | 0  | 5         | 0        | 0                    |
| Ilam. ....                      | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Bushehr.....                    | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Tehran .....                    | 2                              | 0  | 0               | 0  | 24        | 0        | 0                    |
| Chaharmahal&Bakhtiyari....      | 1                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| South Khorasan.....             | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Khorasan-e-Razavi .....         | 1                              | 0  | 0               | 1  | 7         | 1        | 0                    |
| North Khorasan.....             | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Khuzestan .....                 | 0                              | 0  | 0               | 0  | 2         | 0        | 0                    |
| Zanjan .....                    | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Semnan .....                    | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Sistan&Baluchestan.....         | 1                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Fars .....                      | 1                              | 1  | 0               | 0  | 4         | 0        | 0                    |
| Qazvin.....                     | 1                              | 0  | 0               | 0  | 2         | 0        | 0                    |
| Qom .....                       | 0                              | 0  | 0               | 0  | 2         | 0        | 0                    |
| Kordestan.....                  | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Kerman .....                    | 2                              | 0  | 0               | 0  | 2         | 0        | 0                    |
| Kermanshah .....                | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Kohgiluyeh&Boyerahmad..         | 1                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Golestan .....                  | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Gilan .....                     | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Lorestan .....                  | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Mazandaran .....                | 0                              | 0  | 0               | 0  | 4         | 0        | 0                    |
| Markazi .....                   | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Hormozgan .....                 | 0                              | 0  | 0               | 0  | 1         | 0        | 0                    |
| Hamedan .....                   | 0                              | 0  | 0               | 0  | 0         | 0        | 0                    |
| Yazd .....                      | 2                              | 1  | 0               | 0  | 3         | 0        | 0                    |

1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

4. Decrease in number is due to including the centres with permit issuance.

Source: Ministry of Health and Medical Education.

**18.8. COMPREHENSIVE MEDICAL REHABILITATION CENTRES BY TYPE OF AFFILIATION**

| Year and Ostan               | Total       | State-run                  |  | Non-public      |  |             |            |                      |
|------------------------------|-------------|----------------------------|--|-----------------|--|-------------|------------|----------------------|
|                              |             | Medical Science University | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private     | Charity    | Other <sup>(3)</sup> |
| 1380.....                    | 1679        | 225                        | 000  | 000             | 000  | 953         | 000        | 000                  |
| 1385.....                    | 2704        | 319                        | 000  | 000             | 000  | 1789        | 000        | 000                  |
| 1390.....                    | 4522        | 378                        | 000  | 000             | 000  | 3378        | 000        | 000                  |
| 1393.....                    | 6266        | 445                        | 511  | 103             | 000  | 5081        | 126        | 000                  |
| 1394.....                    | 7001        | 512                        | 566  | 121             | 000  | 5666        | 136        | 000                  |
| 1395.....                    | 7449        | 550                        | 630  | 134             | 000  | 5984        | 151        | 000                  |
| 1396.....                    | 8110        | 567                        | 639  | 124             | 000  | 6608        | 172        | 000                  |
| <b>1397.....</b>             | <b>9453</b> | <b>1071</b>                | <b>400</b>   | <b>65</b>       | <b>177</b>   | <b>7557</b> | <b>148</b> | <b>35</b>            |
| East Azarbayejan             | 143         | 1                          | 3  | 0               | 4  | 135         | 0          | 0                    |
| West Azarbayejan             | 220         | 6                          | 20   | 1               | 0  | 178         | 0          | 15                   |
| Ardebil .....                | 106         | 0                          | 3  | 0               | 0  | 103         | 0          | 0                    |
| Esfahan.....                 | 604         | 16                         | 57   | 6               | 23   | 494         | 8          | 0                    |
| Alborz.....                  | 790         | 45                         | 31   | 9               | 13   | 685         | 6          | 1                    |
| Ilam .....                   | 38          | 0                          | 3  | 0               | 0  | 35          | 0          | 0                    |
| Bushehr .....                | 82          | 3                          | 6  | 1               | 0  | 72          | 0          | 0                    |
| Tehran .....                 | 2144        | 664                        | 19   | 9               | 10   | 1422        | 20         | 0                    |
| Chaharmahal& Bakhtiyari..... | 71          | 1                          | 3  | 0               | 0  | 67          | 0          | 0                    |
| South Khorasan ....          | 218         | 6                          | 33   | 0               | 1  | 172         | 1          | 5                    |
| Khorasan-e-Razavi            | 1354        | 73                         | 87   | 12              | 7  | 1131        | 34         | 10                   |
| North Khorasan ....          | 74          | 2                          | 1  | 0               | 5  | 65          | 1          | 0                    |
| Khuzestan.....               | 462         | 7                          | 14   | 1               | 3  | 436         | 1          | 0                    |
| Zanjan.....                  | 85          | 12                         | 0  | 0               | 9  | 63          | 1          | 0                    |
| Semnan.....                  | 86          | 11                         | 15   | 0               | 2  | 52          | 5          | 1                    |
| Sistan&Baluchestan           | 173         | 30                         | 0  | 2               | 6  | 132         | 3          | 0                    |
| Fars.....                    | 336         | 25                         | 3  | 2               | 16   | 268         | 22         | 0                    |
| Qazvin .....                 | 120         | 7                          | 5  | 2               | 2  | 101         | 3          | 0                    |
| Qom.....                     | 192         | 6                          | 0  | 2               | 18   | 140         | 26         | 0                    |
| Kordestan .....              | 137         | 1                          | 16   | 0               | 2  | 118         | 0          | 0                    |
| Kerman.....                  | 255         | 15                         | 24   | 5               | 5  | 201         | 4          | 1                    |
| Kermanshah.....              | 192         | 16                         | 16   | 2               | 0  | 158         | 0          | 0                    |
| Kohgiluyeh& Boyerahmad ..... | 86          | 22                         | 0  | 1               | 2  | 61          | 0          | 0                    |
| Golestan .....               | 200         | 12                         | 0  | 4               | 12   | 171         | 0          | 1                    |
| Gilan.....                   | 256         | 2                          | 0  | 0               | 0  | 254         | 0          | 0                    |
| Lorestan.....                | 94          | 0                          | 0  | 0               | 4  | 90          | 0          | 0                    |
| Mazandaran.....              | 384         | 28                         | 4  | 1               | 21   | 330         | 0          | 0                    |
| Markazi .....                | 142         | 9                          | 4  | 0               | 4  | 122         | 3          | 0                    |
| Hormozgan.....               | 64          | 0                          | 0  | 0               | 0  | 64          | 0          | 0                    |
| Hamedan .....                | 147         | 25                         | 5  | 2               | 6  | 108         | 0          | 1                    |
| Yazd .....                   | 198         | 26                         | 28   | 3               | 2  | 129         | 10         | 0                    |

1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

Source: Ministry of Health and Medical Education.

**18.9. NUCLEAR DIAGNOSTIC CENTRES BY TYPE OF AFFILIATION**

| Year and Ostan                   | Total       | State-run                  |  | Non-public      |  |             |           |                      |
|----------------------------------|-------------|----------------------------|--|-----------------|--|-------------|-----------|----------------------|
|                                  |             | Medical Science University | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private     | Charity   | Other <sup>(3)</sup> |
| 1380 .....                       | 1801        | 667                        | 000  | 000             | 000  | 815         | 000       | 000                  |
| 1385 .....                       | 2227        | 761                        | 000  | 000             | 000  | 1087        | 000       | 000                  |
| 1390 .....                       | 2802        | 726                        | 000  | 000             | 000  | 1421        | 000       | 000                  |
| 1393 .....                       | 2889        | 661                        | 212  | 160             | 000  | 1746        | 110       | 000                  |
| 1394 .....                       | 3070        | 716                        | 232  | 168             | 000  | 1840        | 114       | 000                  |
| 1395 .....                       | 3246        | 805                        | 237  | 171             | 000  | 1929        | 104       | 000                  |
| 1396 .....                       | 3387        | 814                        | 221  | 189             | 000  | 2053        | 110       | 000                  |
| <b>1397<sup>(4)</sup> .....</b>  | <b>3296</b> | <b>817</b>                 | <b>110</b>   | <b>137</b>      | <b>81</b>  | <b>2030</b> | <b>99</b> | <b>22</b>            |
| East Azarbayegan ..              | 74          | 2                          | 0  | 0               | 0  | 72          | 0         | 0                    |
| West Azarbayegan ..              | 88          | 23                         | 4  | 6               | 0  | 54          | 1         | 0                    |
| Ardebil .....                    | 58          | 14                         | 0  | 4               | 1  | 36          | 0         | 3                    |
| Esfahan .....                    | 254         | 59                         | 0  | 18              | 21   | 149         | 7         | 0                    |
| Alborz .....                     | 126         | 15                         | 5  | 5               | 3  | 96          | 2         | 0                    |
| Ilam .....                       | 15          | 13                         | 0  | 0               | 0  | 2           | 0         | 0                    |
| Bushehr .....                    | 52          | 14                         | 6  | 4               | 0  | 28          | 0         | 0                    |
| Tehran .....                     | 950         | 195                        | 34   | 17              | 10   | 645         | 41        | 8                    |
| Chaharmahal&<br>Bakhtiyari ..... | 41          | 16                         | 2  | 4               | 0  | 19          | 0         | 0                    |
| South Khorasan .....             | 32          | 14                         | 3  | 4               | 0  | 11          | 0         | 0                    |
| Khorasan-e-Razavi .....          | 214         | 44                         | 21   | 5               | 0  | 128         | 16        | 0                    |
| North Khorasan .....             | 31          | 15                         | 0  | 1               | 3  | 12          | 0         | 0                    |
| Khuzestan .....                  | 96          | 10                         | 1  | 3               | 0  | 81          | 0         | 1                    |
| Zanjan .....                     | 40          | 16                         | 0  | 3               | 2  | 18          | 1         | 0                    |
| Semnan .....                     | 23          | 9                          | 2  | 1               | 1  | 10          | 0         | 0                    |
| Sistan & Baluchestan .....       | 29          | 13                         | 0  | 3               | 2  | 11          | 0         | 0                    |
| Fars .....                       | 239         | 77                         | 1  | 7               | 10   | 133         | 11        | 0                    |
| Qazvin .....                     | 51          | 14                         | 2  | 5               | 0  | 29          | 1         | 0                    |
| Qom .....                        | 50          | 8                          | 0  | 4               | 3  | 24          | 11        | 0                    |
| Kordestan .....                  | 35          | 16                         | 2  | 2               | 0  | 15          | 0         | 0                    |
| Kerman .....                     | 92          | 34                         | 0  | 4               | 1  | 46          | 1         | 6                    |
| Kermanshah .....                 | 82          | 26                         | 7  | 4               | 0  | 45          | 0         | 0                    |
| Kohgiluyeh&<br>Boyerahmad .....  | 32          | 13                         | 1  | 4               | 0  | 14          | 0         | 0                    |
| Golestan .....                   | 34          | 6                          | 1  | 1               | 0  | 24          | 0         | 2                    |
| Gilan .....                      | 93          | 25                         | 0  | 1               | 1  | 66          | 0         | 0                    |
| Lorestan .....                   | 59          | 19                         | 0  | 5               | 5  | 29          | 1         | 0                    |
| Mazandaran .....                 | 170         | 33                         | 11   | 6               | 10   | 108         | 0         | 2                    |
| Markazi .....                    | 53          | 19                         | 0  | 4               | 5  | 25          | 0         | 0                    |
| Hormozgan .....                  | 53          | 15                         | 3  | 1               | 0  | 33          | 1         | 0                    |
| Hamedan .....                    | 61          | 16                         | 0  | 4               | 3  | 35          | 3         | 0                    |
| Yazd .....                       | 69          | 24                         | 4  | 7               | 0  | 32          | 2         | 0                    |

1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

4. Decrease in number is due to including the centres with permit issuance.

Source: Ministry of Health and Medical Education.

**18.10. PHARMACIES BY AFFILIATION TYPE**

| Year and Ostan                 | Total        | State-run                  |  | Non-public      |  |              |           |                      |
|--------------------------------|--------------|----------------------------|--|-----------------|--|--------------|-----------|----------------------|
|                                |              | Medical Science University | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private      | Charity   | Other <sup>(3)</sup> |
| 1380 .....                     | 5918         | 348                        | 000  | 000             | 000  | 5360         | 000       | 000                  |
| 1385.....                      | 7358         | 467                        | 000  | 000             | 000  | 6650         | 000       | 000                  |
| 1390.....                      | 8484         | 423                        | 000  | 000             | 000  | 7666         | 000       | 000                  |
| 1393.....                      | 10069        | 518                        | 248  | 000             | 149  | 9083         | 71        | 000                  |
| 1394.....                      | 9973         | 588                        | 288  | 000             | 156  | 8892         | 49        | 000                  |
| 1395.....                      | 10937        | 574                        | 223  | 000             | 168  | 9929         | 43        | 000                  |
| 1396.....                      | 11036        | 532                        | 231  | 000             | 195  | 10028        | 50        | 000                  |
| <b>1397<sup>(3)</sup>.....</b> | <b>11253</b> | <b>575</b>                 | <b>112</b>   | <b>164</b>      | <b>148</b>   | <b>10197</b> | <b>45</b> | <b>12</b>            |
| East Azarbayejan...            | 618          | 33                         | 0  | 12              | 7  | 565          | 1         | 0                    |
| West Azarbayejan..             | 372          | 24                         | 8  | 8               | 0  | 332          | 0         | 0                    |
| Ardebil .....                  | 11           | 3                          | 0  | 1               | 0  | 7            | 0         | 0                    |
| Esfahan.....                   | 878          | 16                         | 0  | 3               | 4  | 855          | 0         | 0                    |
| Alborz.....                    | 442          | 12                         | 3  | 8               | 0  | 419          | 0         | 0                    |
| Ilam .....                     | 79           | 9                          | 0  | 1               | 1  | 68           | 0         | 0                    |
| Bushehr .....                  | 125          | 8                          | 7  | 8               | 0  | 102          | 0         | 0                    |
| Tehran .....                   | 2744         | 65                         | 32   | 13              | 23   | 2597         | 14        | 0                    |
| Chaharmahal&                   |              |                            |  |                 |  |              |           |                      |
| Bakhtiyari.....                | 99           | 2                          | 1  | 0               | 1  | 95           | 0         | 0                    |
| South Khorasan.                | 88           | 15                         | 0  | 2               | 2  | 69           | 0         | 0                    |
| Khorasan-e-Razavi.             | 1019         | 47                         | 6  | 18              | 3  | 938          | 6         | 1                    |
| North Khorasan .....           | 98           | 10                         | 1  | 2               | 0  | 85           | 0         | 0                    |
| Khuzestan.....                 | 666          | 30                         | 7  | 26              | 31   | 566          | 6         | 0                    |
| Zanjan.....                    | 126          | 10                         | 1  | 2               | 4  | 108          | 0         | 1                    |
| Semnan.....                    | 76           | 1                          | 0  | 1               | 3  | 70           | 0         | 1                    |
| Sistan&                        |              |                            |  |                 |  |              |           |                      |
| Baluchestan .....              | 206          | 15                         | 1  | 1               | 2  | 186          | 1         | 0                    |
| Fars.....                      | 735          | 49                         | 5  | 2               | 1  | 675          | 3         | 0                    |
| Qazvin .....                   | 154          | 9                          | 0  | 2               | 2  | 140          | 1         | 0                    |
| Qom.....                       | 168          | 0                          | 0  | 0               | 0  | 168          | 0         | 0                    |
| Kordestan .....                | 170          | 15                         | 3  | 6               | 0  | 146          | 0         | 0                    |
| Kerman.....                    | 337          | 22                         | 15   | 7               | 4  | 288          | 1         | 0                    |
| Kermanshah.....                | 274          | 19                         | 0  | 2               | 5  | 248          | 0         | 0                    |
| Kohgiluyeh&                    |              |                            |  |                 |  |              |           |                      |
| Boyerahmad .....               | 78           | 7                          | 4  | 3               | 30   | 34           | 0         | 0                    |
| Golestan .....                 | 256          | 17                         | 0  | 7               | 5  | 227          | 0         | 0                    |
| Gilan.....                     | 394          | 26                         | 5  | 1               | 0  | 353          | 9         | 0                    |
| Lorestan.....                  | 211          | 16                         | 6  | 10              | 0  | 170          | 1         | 8                    |
| Mazandaran .....               | 88           | 7                          | 0  | 0               | 0  | 80           | 0         | 1                    |
| Markazi .....                  | 187          | 43                         | 3  | 1               | 4  | 136          | 0         | 0                    |
| Hormozgan.....                 | 125          | 15                         | 0  | 1               | 6  | 103          | 0         | 0                    |
| Hamedan .....                  | 223          | 16                         | 4  | 8               | 0  | 194          | 1         | 0                    |
| Yazd .....                     | 206          | 14                         | 0  | 8               | 10   | 173          | 1         | 0                    |

1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

Source: Ministry of Health and Medical Education.

**18.11. NUMBER OF GENERAL AND SPECIALIZED CLINICS BY TYPE OF AFFILIATION**

| Year and Ostan             | Total       | General clinic             |  |                 |  |             |            |                      |           |
|----------------------------|-------------|----------------------------|--|-----------------|--|-------------|------------|----------------------|-----------|
|                            |             | State-run                  |  | Non-public      |  |             |            |                      |           |
|                            |             | Medical Science University | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private     | Charity    | Other <sup>(3)</sup> |           |
| 1380.....                  | 000         | 000                        | 000  | 000             | 000  | 000         | 000        | 000                  | 000       |
| 1385.....                  | 000         | 000                        | 000  | 000             | 000  | 000         | 000        | 000                  | 000       |
| 1390.....                  | 000         | 000                        | 000  | 000             | 000  | 000         | 000        | 000                  | 000       |
| 1393.....                  | 3463        | 827                        | 604  | 243             | 000  | 1529        | 260        | 000                  | 000       |
| 1394.....                  | 4168        | 1180                       | 607  | 270             | 000  | 1842        | 269        | 000                  | 000       |
| 1395.....                  | 4423        | 1207                       | 653  | 297             | 000  | 1986        | 280        | 000                  | 000       |
| 1396.....                  | 4374        | 912                        | 659  | 302             | 000  | 2205        | 296        | 000                  | 000       |
| <b>1397.....</b>           | <b>5265</b> | <b>211</b>                 | <b>319</b>   | <b>183</b>      | <b>168</b>   | <b>1355</b> | <b>264</b> | <b>23</b>            | <b>23</b> |
| East Azarbayejan .....     | 176         | 1                          | 18   | 4               | 10   | 80          | 3          | 0                    | 0         |
| West Azarbayejan.....      | 460         | 22                         | 14   | 9               | 1  | 35          | 4          | 6                    | 6         |
| Ardebil.....               | 202         | 13                         | 0  | 4               | 1  | 34          | 1          | 0                    | 0         |
| Esfahan.....               | 442         | 6                          | 20   | 2               | 4  | 62          | 25         | 0                    | 0         |
| Alborz.....                | 179         | 0                          | 4  | 6               | 6  | 64          | 4          | 0                    | 0         |
| Ilam.....                  | 39          | 7                          | 0  | 0               | 0  | 9           | 3          | 0                    | 0         |
| Bushehr.....               | 56          | 13                         | 13   | 10              | 0  | 8           | 0          | 0                    | 0         |
| Tehran.....                | 1026        | 2                          | 43   | 6               | 29   | 363         | 96         | 0                    | 0         |
| Chaharmahal&Bakhtiyari..   | 39          | 9                          | 6  | 5               | 0  | 11          | 1          | 0                    | 0         |
| South Khorasan .....       | 47          | 13                         | 6  | 6               | 0  | 0           | 8          | 0                    | 0         |
| Khorasan-e-Razavi.....     | 353         | 14                         | 36   | 14              | 7  | 125         | 35         | 0                    | 0         |
| North Khorasan .....       | 34          | 7                          | 7  | 2               | 2  | 9           | 2          | 0                    | 0         |
| Khuzestan .....            | 261         | 15                         | 16   | 10              | 16   | 74          | 7          | 2                    | 2         |
| Zanjan.....                | 145         | 0                          | 0  | 5               | 6  | 11          | 1          | 0                    | 0         |
| Semnan .....               | 48          | 8                          | 15   | 4               | 0  | 7           | 2          | 1                    | 1         |
| Sistan&Baluchestan.....    | 240         | 9                          | 1  | 4               | 10   | 28          | 6          | 0                    | 0         |
| Fars.....                  | 284         | 5                          | 23   | 15              | 6  | 71          | 24         | 0                    | 0         |
| Qazvin .....               | 59          | 0                          | 4  | 6               | 0  | 27          | 0          | 0                    | 0         |
| Qom.....                   | 77          | 6                          | 0  | 4               | 7  | 22          | 13         | 0                    | 0         |
| Kordestan .....            | 56          | 14                         | 6  | 6               | 1  | 6           | 4          | 0                    | 0         |
| Kerman .....               | 191         | 14                         | 21   | 9               | 3  | 62          | 11         | 1                    | 1         |
| Kermanshah.....            | 111         | 0                          | 12   | 1               | 0  | 34          | 0          | 0                    | 0         |
| Kohgiluyeh&Boyerahmad .... | 8           | 1                          | 0  | 0               | 0  | 0           | 0          | 0                    | 0         |
| Golestan.....              | 88          | 13                         | 0  | 6               | 10   | 27          | 0          | 0                    | 0         |
| Gilan.....                 | 88          | 3                          | 14   | 7               | 4  | 36          | 3          | 0                    | 0         |
| Lorestan.....              | 43          | 0                          | 11   | 9               | 0  | 16          | 1          | 0                    | 0         |
| Mazandaran .....           | 185         | 5                          | 3  | 2               | 25   | 55          | 1          | 2                    | 2         |
| Markazi .....              | 58          | 0                          | 10   | 8               | 1  | 14          | 0          | 2                    | 2         |
| Hormozgan .....            | 64          | 0                          | 11   | 7               | 0  | 19          | 3          | 1                    | 1         |
| Hamedan.....               | 84          | 11                         | 3  | 4               | 5  | 13          | 3          | 8                    | 8         |
| Yazd .....                 | 122         | 0                          | 2  | 8               | 14   | 33          | 3          | 0                    | 0         |

### 18.11. NUMBER OF GENERAL AND SPECIALIZED CLINICS BY TYPE OF AFFILIATION (continued)

| Year and Ostan           | Specialized clinics        |  |                 |  |             |           |                      |
|--------------------------|----------------------------|--|-----------------|--|-------------|-----------|----------------------|
|                          | State-run                  |  | Non-public      |  |             |           |                      |
|                          | Medical Science University | Other public institutions and organizations <sup>(1)</sup> | Social Security | Other public institutions and organizations <sup>(2)</sup> | Private     | Charity   | Other <sup>(3)</sup> |
| 1380.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1385.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1390.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1393.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1394.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1395.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| 1396.....                | 000                        | 000  | 000             | 000  | 000         | 000       | 000                  |
| <b>1397.....</b>         | <b>1090</b>                | <b>76</b>  | <b>82</b>       | <b>61</b>  | <b>1401</b> | <b>30</b> | <b>2</b>             |
| East Azarbayejan.....    | 4                          | 4  | 0               | 2  | 50          | 0         | 0                    |
| West Azarbayejan.....    | 258                        | 42   | 23              | 1  | 32          | 12        | 1                    |
| Ardebil.....             | 119                        | 0  | 16              | 1  | 13          | 0         | 0                    |
| Esfahan.....             | 96                         | 4  | 2               | 0  | 215         | 6         | 0                    |
| Alborz.....              | 5                          | 2  | 3               | 6  | 79          | 0         | 0                    |
| Ilam.....                | 15                         | 0  | 0               | 0  | 5           | 0         | 0                    |
| Bushehr.....             | 0                          | 0  | 0               | 2  | 10          | 0         | 0                    |
| Tehran.....              | 23                         | 10   | 0               | 15   | 434         | 5         | 0                    |
| Chaharmahal&Bakhtiyari.. | 4                          | 0  | 0               | 0  | 3           | 0         | 0                    |
| South Khorasan.....      | 12                         | 1  | 0               | 0  | 1           | 0         | 0                    |
| Khorasan-e-Razavi.....   | 27                         | 1  | 0               | 2  | 88          | 4         | 0                    |
| North Khorasan.....      | 4                          | 0  | 0               | 0  | 1           | 0         | 0                    |
| Khuzestan.....           | 34                         | 1  | 2               | 1  | 83          | 0         | 0                    |
| Zanjan.....              | 102                        | 0  | 8               | 4  | 8           | 0         | 0                    |
| Semnan.....              | 8                          | 0  | 0               | 0  | 3           | 0         | 0                    |
| Sistan&Baluchestan.....  | 132                        | 0  | 15              | 19   | 15          | 1         | 0                    |
| Fars.....                | 33                         | 0  | 0               | 0  | 106         | 1         | 0                    |
| Qazvin.....              | 13                         | 0  | 2               | 0  | 7           | 0         | 0                    |
| Qom.....                 | 5                          | 0  | 0               | 0  | 20          | 0         | 0                    |
| Kordestan.....           | 8                          | 0  | 1               | 1  | 9           | 0         | 0                    |
| Kerman.....              | 28                         | 0  | 0               | 3  | 39          | 0         | 0                    |
| Kermanshah.....          | 22                         | 6  | 4               | 0  | 32          | 0         | 0                    |
| Kohgiluyeh&Boyerahmad    | 4                          | 0  | 3               | 0  | 0           | 0         | 0                    |
| Golestan.....            | 9                          | 0  | 1               | 2  | 19          | 1         | 0                    |
| Gilan.....               | 1                          | 2  | 0               | 0  | 18          | 0         | 0                    |
| Lorestan.....            | 0                          | 0  | 0               | 1  | 5           | 0         | 0                    |
| Mazandaran.....          | 78                         | 0  | 0               | 0  | 14          | 0         | 0                    |
| Markazi.....             | 5                          | 1  | 0               | 0  | 17          | 0         | 0                    |
| Hormozgan.....           | 3                          | 0  | 0               | 0  | 19          | 0         | 1                    |
| Hamedan.....             | 20                         | 2  | 1               | 0  | 14          | 0         | 0                    |
| Yazd.....                | 18                         | 0  | 1               | 1  | 42          | 0         | 0                    |

1. Including the Islamic Revolutionary Guard Corps, the Oil Company, the Police, education, the Army, and so on.

2. Including Islamic Azad University, Foundation of Martyrs and Veterans Affairs, etc.

3. Including NGOs, Research Centers, Sanatoriums, Knowledge-based Companies, etc.

Source: Ministry of Health and Medical Education

**18.12. NUMBER OF PRE-HOSPITAL EMERGENCY STATIONS 115**

| Year and Ostan               | Total       | Urban      | Road        |
|------------------------------|-------------|------------|-------------|
| 1380 .....                   | 000         | 000        | 000         |
| 1385 .....                   | 000         | 000        | 000         |
| 1390 .....                   | 000         | 000        | 000         |
| 1393 .....                   | 2022        | 822        | 1200        |
| 1394 .....                   | 2159        | 769        | 1390        |
| 1395 .....                   | 2270        | 828        | 1442        |
| 1396 .....                   | 2473        | 918        | 1555        |
| <b>1397 .....</b>            | <b>2536</b> | <b>967</b> | <b>1569</b> |
| East Azarbayejan .....       | 117         | 53         | 64          |
| West Azarbayejan.....        | 72          | 30         | 42          |
| Ardebil .....                | 53          | 23         | 30          |
| Esfahan. ....                | 167         | 84         | 83          |
| Alborz .....                 | 56          | 29         | 27          |
| Ilam.....                    | 40          | 12         | 28          |
| Bushehr.....                 | 52          | 17         | 35          |
| Tehran <sup>(1)</sup> .....  | 77          | 32         | 45          |
| Chaharmahal&Bakhtiyari ..... | 49          | 17         | 32          |
| South Khorasan.....          | 71          | 18         | 53          |
| Khorasan-e-Razavi .....      | 225         | 102        | 123         |
| North Khorasan.....          | 43          | 13         | 30          |
| Khuzestan .....              | 164         | 63         | 101         |
| Zanjan .....                 | 51          | 17         | 34          |
| Semnan .....                 | 47          | 12         | 35          |
| Sistan&Baluchestan.....      | 143         | 33         | 110         |
| Fars .....                   | 191         | 66         | 125         |
| Qazvin.....                  | 39          | 13         | 26          |
| Qom . ....                   | 39          | 21         | 18          |
| Kordestan.....               | 56          | 23         | 33          |
| Kerman .....                 | 160         | 47         | 113         |
| Kermanshah .....             | 63          | 29         | 34          |
| Kohgiluyeh&Boyerahmad.....   | 43          | 16         | 27          |
| Golestan .....               | 57          | 23         | 34          |
| Gilan .....                  | 62          | 25         | 37          |
| Lorestan .....               | 68          | 28         | 40          |
| Mazandaran .....             | 102         | 36         | 66          |
| Markazi .....                | 53          | 19         | 34          |
| Hormozgan .....              | 70          | 24         | 46          |
| Hamedan .....                | 55          | 22         | 33          |
| Yazd .....                   | 51          | 20         | 31          |

Source: Ministry of Health and Medical Education.



**18.13. BLOOD PRODUCTS PRODUCED AND DELIVERED TO THE MEDICAL CENTRES  
BY THREE MAJOR PRODUCTS, THE YEAR 1397 (unit)**

| Ostan                      | Blood products produced       |                           |                       | Blood products delivered to medical centres |                           |                       |
|----------------------------|-------------------------------|---------------------------|-----------------------|---|---------------------------|-----------------------|
|                            | Packed Red Blood Cells (PRBC) | Fresh frozen plasma (FFP) | Platelets concentrate | Packed Red Blood Cells (PRBC)               | Fresh frozen plasma (FFP) | Platelets concentrate |
| <b>Total country .....</b> | <b>2032011</b>                | <b>1874376</b>            | <b>1081780</b>        | <b>1931330</b>                              | <b>645889</b>             | <b>947774</b>         |
| East Azarbayejan.....      | 88775                         | 84602                     | 50384                 | 82356                                       | 39444                     | 49503                 |
| West Azarbayejan .....     | 72786                         | 68342                     | 23879                 | 53765                                       | 16530                     | 23843                 |
| Ardebil .....              | 39569                         | 36946                     | 10687                 | 18481                                       | 7833                      | 10052                 |
| Esfahan.....               | 125230                        | 108652                    | 60684                 | 116422                                      | 47321                     | 60075                 |
| Alborz .....               | 55822                         | 49968                     | 13186                 | 44383                                       | 12868                     | 10187                 |
| Ilam .....                 | 13752                         | 10568                     | 3266                  | 11165                                       | 2263                      | 3512                  |
| Bushehr .....              | 31053                         | 21910                     | 8454                  | 27216                                       | 7039                      | 7332                  |
| Tehran .....               | 307422                        | 297933                    | 270634                | 401904                                      | 161317                    | 267799                |
| Chaharmahal&Bakhtiari ...  | 21841                         | 19747                     | 11081                 | 17441                                       | 11902                     | 10434                 |
| South Khorasan .....       | 21262                         | 18921                     | 6919                  | 9961  | 4414                      | 4948                  |
| Khorasan-e-Razavi.....     | 147894                        | 134869                    | 89797                 | 138162                                      | 49996                     | 78390                 |
| North Khorasan .....       | 16834                         | 16495                     | 4900                  | 8231  | 5173                      | 3737                  |
| Khuzestan.....             | 108213                        | 95235                     | 59631                 | 122072                                      | 29270                     | 47185                 |
| Zanjan .....               | 22527                         | 21875                     | 10171                 | 19756                                       | 6777                      | 8623                  |
| Semnan.....                | 31733                         | 28411                     | 13764                 | 16084                                       | 5670                      | 3879                  |
| Sistan&Baluchestan .....   | 68232                         | 63419                     | 21089                 | 105527                                      | 16945                     | 13900                 |
| Fars.....                  | 156062                        | 132155                    | 97061                 | 152134                                      | 53600                     | 77728                 |
| Qazvin .....               | 39726                         | 36713                     | 15562                 | 22601                                       | 7688                      | 14697                 |
| Qom .....                  | 39727                         | 55371                     | 16784                 | 26619                                       | 8980                      | 14667                 |
| Kordestan .....            | 25860                         | 23296                     | 14323                 | 22185                                       | 9562                      | 10110                 |
| Kerman .....               | 67826                         | 65615                     | 37681                 | 63328                                       | 18363                     | 32661                 |
| Kermanshah .....           | 49003                         | 46973                     | 36564                 | 43703                                       | 13947                     | 34340                 |
| Kohgiluyeh&Boyerahmad....  | 17656                         | 14826                     | 7002                  | 15168                                       | 4963                      | 3828                  |
| Golestan .....             | 46795                         | 41927                     | 26279                 | 45951                                       | 11358                     | 21368                 |
| Gilan.....                 | 78298                         | 74468                     | 19293                 | 77618                                       | 12699                     | 16675                 |
| Lorestan.....              | 37334                         | 35038                     | 12407                 | 25749                                       | 10022                     | 10642                 |
| Mazandaran.....            | 128769                        | 109877                    | 56864                 | 100044                                      | 16409                     | 33215                 |
| Markazi .....              | 40103                         | 38578                     | 21252                 | 24992                                       | 10520                     | 19330                 |
| Hormozgan.....             | 56118                         | 51056                     | 16771                 | 52533                                       | 10960                     | 14953                 |
| Hamedan .....              | 35881                         | 35180                     | 28741                 | 31955                                       | 17506                     | 24635                 |
| Yazd .....                 | 39908                         | 35410                     | 16670                 | 33824                                       | 14550                     | 15526                 |

Source: Iranian Blood Transfusion Organization (IBTO).

**18.14. DONORS AND AMOUNT OF DONATED BLOODS BY GENDER AND DONATION STATUS, THE YEAR 1397**
**(unit)**

| Ostan                      | Number of donors | Total amount of blood donation |                |              | Total blood donation by donation status |               |               |
|----------------------------|------------------|--------------------------------|----------------|--------------|---|---------------|---------------|
|                            |                  | Both sexes                     | Male           | Female       | Frequent                                | Infrequent    | First time    |
| <b>Total country .....</b> | <b>2664066</b>   | <b>2094967</b>                 | <b>2003454</b> | <b>91513</b> | <b>1238783</b>                          | <b>601689</b> | <b>254495</b> |
| East Azarbayejan.....      | 115487           | 94453                          | 91941          | 2512         | 52027                                   | 28014         | 14412         |
| West Azarbayejan .....     | 92849            | 78335                          | 75768          | 2567         | 45812                                   | 22889         | 9634          |
| Ardebil .....              | 47623            | 40540                          | 38011          | 2529         | 25334                                   | 9964          | 5242          |
| Esfahan.....               | 163309           | 128504                         | 124053         | 4451         | 79267                                   | 33172         | 16065         |
| Alborz.....                | 80372            | 59678                          | 57159          | 2519         | 28687                                   | 18778         | 12213         |
| Ilam .....                 | 18872            | 13952                          | 13333          | 619          | 9750                                    | 4200          | 2             |
| Bushehr .....              | 44900            | 32137                          | 30772          | 1365         | 24205                                   | 7930          | 2             |
| Tehran .....               | 387222           | 315870                         | 302520         | 13350        | 152875                                  | 104041        | 58954         |
| Chaharmahal&Bakhtiari ..   | 29821            | 22587                          | 21969          | 618          | 14730                                   | 7813          | 44            |
| South Khorasan .....       | 28124            | 21918                          | 20315          | 1603         | 14071                                   | 6060          | 1787          |
| Khorasan-e-Razavi.....     | 195275           | 151118                         | 142627         | 8491         | 81664                                   | 42192         | 27262         |
| North Khorasan .....       | 24795            | 17111                          | 16264          | 847          | 12637                                   | 4470          | 4             |
| Khuzestan.....             | 148145           | 112122                         | 109939         | 2183         | 68102                                   | 29717         | 14303         |
| Zanjan.....                | 28742            | 23156                          | 21670          | 1486         | 13923                                   | 6264          | 2969          |
| Semnan.....                | 40668            | 31324                          | 29730          | 1594         | 25292                                   | 5920          | 112           |
| Sistan&Baluchestan .....   | 89025            | 69420                          | 64441          | 4979         | 45627                                   | 16881         | 6912          |
| Fars.....                  | 224879           | 159213                         | 152623         | 6590         | 90361                                   | 49408         | 19444         |
| Qazvin .....               | 53737            | 40152                          | 37434          | 2718         | 24761                                   | 10999         | 4392          |
| Qom .....                  | 51814            | 40864                          | 39298          | 1566         | 25356                                   | 11203         | 4305          |
| Kordestan .....            | 37115            | 26644                          | 24697          | 1947         | 17776                                   | 8868          | 0             |
| Kerman .....               | 89705            | 69376                          | 65787          | 3589         | 40404                                   | 21462         | 7510          |
| Kermanshah .....           | 62150            | 50290                          | 47111          | 3179         | 24903                                   | 16414         | 8973          |
| Kohgiluyeh&Boyerahmad .    | 25252            | 18364                          | 17733          | 631          | 12561                                   | 5720          | 83            |
| Golestan .....             | 57842            | 47506                          | 45082          | 2424         | 30509                                   | 12125         | 4872          |
| Gilan.....                 | 96714            | 81913                          | 78937          | 2976         | 48505                                   | 21810         | 11598         |
| Lorestan.....              | 51824            | 38205                          | 34998          | 3207         | 26259                                   | 11871         | 75            |
| Mazandaran.....            | 154893           | 131096                         | 127486         | 3610         | 90974                                   | 36467         | 3655          |
| Markazi .....              | 49520            | 41798                          | 38773          | 3025         | 24096                                   | 11335         | 6367          |
| Hormozgan.....             | 66924            | 56783                          | 54645          | 2138         | 33917                                   | 13453         | 9413          |
| Hamedan .....              | 51994            | 36846                          | 35891          | 955          | 25526                                   | 11314         | 6             |
| Yazd .....                 | 54474            | 43692                          | 42447          | 1245         | 28872                                   | 10935         | 3885          |

Source: Iran Blood Transfusion Organization.

**18.15. NUMBER OF THE EMPLOYED <sup>(1)</sup> IN THE GOVERNMENTAL VETERINARY SECTOR  
BY OCCUPATIONAL FIELD, THE YEAR 1397**

| Description                 | Grand total | Veterinarian | Occupational fields <sup>(2)</sup> by expertise |               | Veterinarian with associate's degree | Veterinary technician | Other occupational fields |
|-----------------------------|-------------|--------------|---|---------------|--------------------------------------|-----------------------|---------------------------|
|                             |             |              | Technical expert                                | Non-technical |                                      |                       |                           |
| <b>Total country .....</b>  | <b>6249</b> | <b>1959</b>  | <b>1442</b>                                     | <b>774</b>    | <b>1101</b>                          | <b>54</b>             | <b>919</b>                |
| Central Organization .....  | 320         | 114          | 37  | 74            | 2                                    | 0                     | 93                        |
| East Azarbayejan.....       | 307         | 94           | 65  | 37            | 54                                   | 0                     | 57                        |
| West Azarbayejan .....      | 248         | 95           | 57  | 29            | 31                                   | 1                     | 35                        |
| Ardebil .....               | 175         | 49           | 48  | 25            | 27                                   | 2                     | 24                        |
| Esfahan.....                | 309         | 78           | 59  | 38            | 87                                   | 4                     | 43                        |
| Alborz .....                | 115         | 54           | 21  | 12            | 11                                   | 1                     | 16                        |
| Ilam .....                  | 149         | 35           | 49  | 17            | 31                                   | 0                     | 17                        |
| Bushehr .....               | 165         | 39           | 55  | 21            | 28                                   | 0                     | 22                        |
| Tehran .....                | 229         | 108          | 63  | 24            | 26                                   | 0                     | 8                         |
| Chaharmahal&Bakhtiari ..... | 146         | 46           | 37  | 18            | 28                                   | 3                     | 14                        |
| South Khorasan .....        | 164         | 40           | 48  | 22            | 39                                   | 2                     | 13                        |
| Khorasan-e-Razavi.....      | 365         | 143          | 89  | 21            | 63                                   | 5                     | 44                        |
| North Khorasan .....        | 131         | 31           | 25  | 27            | 26                                   | 0                     | 22                        |
| Khuzestan.....              | 294         | 75           | 48  | 35            | 68                                   | 4                     | 64                        |
| Zanjan .....                | 118         | 31           | 19  | 23            | 25                                   | 3                     | 17                        |
| Semnan.....                 | 133         | 44           | 28  | 27            | 19                                   | 9                     | 6                         |
| Sistan&Baluchestan .....    | 186         | 45           | 68  | 16            | 39                                   | 2                     | 16                        |
| Fars.....                   | 294         | 112          | 39  | 23            | 57                                   | 1                     | 62                        |
| Qazvin .....                | 134         | 44           | 31  | 17            | 10                                   | 0                     | 32                        |
| Qom .....                   | 94          | 29           | 25  | 16            | 12                                   | 1                     | 11                        |
| Kordestan .....             | 163         | 47           | 41  | 12            | 26                                   | 0                     | 37                        |
| Kerman .....                | 332         | 105          | 66  | 16            | 107                                  | 1                     | 37                        |
| Kermanshah .....            | 170         | 47           | 21  | 30            | 33                                   | 2                     | 37                        |
| Kohgiluyeh&Boyerahmad ....  | 127         | 34           | 25  | 21            | 15                                   | 2                     | 30                        |
| Golestan .....              | 179         | 51           | 57  | 30            | 34                                   | 0                     | 7                         |
| Gilan.....                  | 180         | 61           | 48  | 19            | 32                                   | 1                     | 19                        |
| Lorestan.....               | 171         | 38           | 60  | 17            | 29                                   | 2                     | 25                        |
| Mazandaran.....             | 309         | 108          | 79  | 42            | 61                                   | 4                     | 15                        |
| Markazi .....               | 143         | 48           | 28  | 18            | 11                                   | 1                     | 37                        |
| Hormozgan.....              | 138         | 37           | 46  | 15            | 21                                   | 1                     | 18                        |
| Hamedan .....               | 157         | 47           | 35  | 19            | 32                                   | 2                     | 22                        |
| Yazd .....                  | 104         | 30           | 25  | 13            | 17                                   | 0                     | 19                        |

1. Excluding people working for Higher Education Centres.

2. Including experts and senior experts.

Sources: Iran Veterinary Organization.

- Ministry of Agriculture Jihad.

### 18.16. OPERATING MEDICAL CENTRES IN THE PRIVATE VETERINARY SECTOR, THE YEAR 1397

| Ostan                      | Veterinary pharmacy | Livestock vaccination centres | Veterinary clinic | Hospital  | Veterinary lab |
|----------------------------|---------------------|-------------------------------|-------------------|-----------|----------------|
| <b>Total country .....</b> | <b>1938</b>         | <b>1021</b>                   | <b>1194</b>       | <b>83</b> | <b>260</b>     |
| East Azarbayejan.....      | 160                 | 83                            | 54                | 0         | 17             |
| West Azarbayejan .....     | 174                 | 119                           | 21                | 15        | 24             |
| Ardebil .....              | 63                  | 35                            | 0                 | 0         | 4              |
| Esfahan.....               | 117                 | 61                            | 52                | 2         | 24             |
| Alborz .....               | 25                  | 11                            | 51                | 5         | 11             |
| Ilam .....                 | 32                  | 16                            | 14                | 1         | 3              |
| Bushehr .....              | 11                  | 2                             | 4                 | 0         | 3              |
| Tehran .....               | 79                  | 35                            | 218               | 23        | 29             |
| Chaharmahal&Bakhtiari ...  | 46                  | 21                            | 53                | 0         | 3              |
| South Khorasan .....       | 22                  | 14                            | 26                | 1         | 3              |
| Khorasan-e-Razavi.....     | 116                 | 85                            | 99                | 8         | 24             |
| North Khorasan .....       | 21                  | 17                            | 11                | 1         | 0              |
| Khuzestan.....             | 67                  | 44                            | 56                | 0         | 8              |
| Zanjan .....               | 22                  | 13                            | 2                 | 0         | 2              |
| Semnan.....                | 26                  | 21                            | 17                | 1         | 7              |
| Sistan&Baluchestan .....   | 23                  | 18                            | 16                | 0         | 1              |
| Fars.....                  | 141                 | 85                            | 120               | 6         | 17             |
| Qazvin .....               | 30                  | 7                             | 1                 | 1         | 4              |
| Qom .....                  | 18                  | 12                            | 0                 | 1         | 2              |
| Kordestan .....            | 33                  | 24                            | 58                | 1         | 11             |
| Kerman .....               | 74                  | 56                            | 32                | 0         | 4              |
| Kermanshah .....           | 59                  | 50                            | 4                 | 1         | 3              |
| Kohgiluyeh&Boyerahmad ..   | 18                  | 5                             | 24                | 0         | 1              |
| Golestan .....             | 83                  | 30                            | 24                | 7         | 13             |
| Gilan.....                 | 72                  | 52                            | 23                | 2         | 5              |
| Lorestan.....              | 57                  | 1                             | 10                | 0         | 5              |
| Mazandaran.....            | 206                 | 56                            | 148               | 7         | 21             |
| Markazi .....              | 38                  | 21                            | 22                | 0         | 5              |
| Hormozgan.....             | 12                  | 0                             | 12                | 0         | 0              |
| Hamedan .....              | 45                  | 15                            | 21                | 0         | 4              |
| Yazd .....                 | 48                  | 12                            | 1                 | 0         | 2              |

Sources: Iran Veterinary Organization,  
- Ministry of Agriculture-Jahad.