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***Introduction***

his chapter presents data on manpower engaged in health and treatment division of the government sector, health and medical equipment and facilities of the government and private sectors, as well as activities carried out by government sector for prevention and treatment of diseases common among man and livestock.

Collection of statistical information on health and medical activities first started by the former Ministry of Health in 1335 and continued till 1364 by the Ministry.

By merging medical sciences universities and affiliated hospitals in 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 the related statistics.

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

Also, data for health and medical equipment and installations presented in this chapter relate to the establishments - except for armed forces - which have been operating at least for 6 months of the year.

It should be noted that since the type of substances used in spraying [insecticides](http://en.wikipedia.org/wiki/Insecticide) in the villages for combating malaria changed, the statistics for Abate larvicide and oil products

were omitted. Moreover, due to eradication of poliomyelitis, the related information was omitted.

***Definitions and concepts***

***Physician:*** persons who have 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 dentists, veterinarians, and pharmacists. Because of the diversified fields of medical specialities, data related to some specialities have been included under certain general titles in Table 2.

Specialities included in each title are as follows:

***Internal:*** specialists in internal medicine, oncology, hematology, rheumatology, diseases of the pulmonary system, endocrinology, and diseases of the digestive system.

***Pediatrics:*** orthopedics, nervous system, children's allergy, surgery, blood, infections, glands, heart, kidneys, digestive system, and neonatal diseases.

***Neuropsychiatry:*** nervous disorders and psychiatry.

***Urology:*** urology, kidney disorders, surgery of kidney and genitourinary tract.

***Orthopedics:*** orthopedics and bone and joints surgery.

***Radiology:*** radiology and sonography.

***Dentistry:***  orthodontics, endodontics, oral and dental pathology, maxillofacial diseases, maxillofacial pathology, prosthodontics, periodontics, oral maxillofacial surgery, tooth treatment, children's tooth disorders. ***Pharmacology:*** drug-making, industrial drug-making, pharmacology, harmaceutics, pharmacognosy.

In the tables containing data on specialists of cardiovascular disorders, brain and nerves, otolaryngology, ophthalmology, and gynecology, the related surgery specialists are also included.

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

***Health attendant (health aid):*** a native resident of the village, who has at least completed primary school, and has passed the related two -year theoretical and practical health training course.

***Medical establishments:*** all medical centres including hospitals, maternity hospitals and sanatoriums equipped with medical beds.

Medical establishments may be classified in three categories:

- Medical establishments affiliated to the Ministry of Health and Medical Education;

- Private medical establishments;

- Other medical establishments such as those affiliated to the Social Security Organization, charity institutions, Martyr Foundation, Bank Melli, etc.

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

***Maternity hospital:*** a unit with at least 15 beds, one obstetrician as well as one operating room.

***Sanatorium:*** a unit with at least 15 beds, general necessary facilities and services as well as one specialized ward, operated by a group of specialists in related fields including mental homes, leper houses, homes for tuberculous people, for addicts, etc.

***Health care and medical centres:*** clinics, polyclinics and health centres. Health centres generally render vaccination services beside medical services.

***Independent health and medical centres:*** those with an independent management, accounting and workplace.

***Dependent health and medical centres:*** the medical centres which are located either inside or next to medical establishments, have not an independent management, accounting and workplace, and are dependent on the main establishment for workers and credits.

***Health home:***  the unit which is located in a village and often covers other several villages (satellite villages). A total population of 2000 with 2 authorized Bahvarzes (man and woman) is covered by a health home. Male and female Bahvarzans are the workers of health homes. Their indigenousness (living at the main village or satellite villages) is a needed qualification.

***Medical diagnosis laboratory:*** refers to a medical unit established by permission from the Ministry of Health and Medical Education, which carries out tests of biology microbiology, serology, biochemistry, immunohematology, hematology, biophysics, cellology, histology, cellular and molecular genetics among others on samples taken from human body to obtain information for diagnosis, prevention or treatment continuation or for a health checkup. It includes two types: clinical and anatomical.

***Anatomical medical diagnosis laboratory:*** a medical diagnosis laboratory which conducts tests of cellology and histology on samples taken from human body (alive or dead). It may use different methods to conduct the tests.

***Clinical medical diagnosis laboratory:*** a medical diagnosis laboratory with one or all sections of medical diagnosis except for the sections concerning anatomical diagnosis.

***Rehabilitation centres:*** all medical units carrying out only physical treatment. These centres include physiotherapy, work therapy, speech therapy, audiometry, optometry and technical orthopedics. There are two forms of rehabilitation centres, independent and dependent. The rehabilitation centres located in a hospital or a clinic are ˝dependent˝, but those working independently of any other centre are called ˝independent˝. Statistics on this area have appeared in Iran Statistical Yearbook since 1376.

***Radiography centres:*** diagnosis and treatment of diseases through application of rays by specialists in radiography, radiography technicians, as well as experimental radiographers holding a work license from the Ministry of Health and Medical Education. In this chapter, radiography centre refers to a place for radiology tests and providing radiography services, the qualification of which is confirmed by the Ministry of Health and Medical Education.

***Pharmacy:***  a medical institute which is established by getting special licence from legal commission of Article 20. It, enjoying a qualified technical official, renders medicine services, dried milk, supplementary diet foods, babies' supplementary foods, medical consumption commodities and standard health and cosmetic products.

**Selected information**

In 1388, over 29,000 physicians were employed in the Ministry of Health and Medical Education, out of whom 12289, 13186, 2506 and 1207 persons were general practitioners, specialists, dentists, and pharmacists respectively. Also 159,000 paramedics were working.

It should be noted that the statistics for physicians and paramedics exclude the statistics for three Ostans of East Azarbayejan, Ilam and Gilan

In 1388, about 115 thousand beds were in use in 845 medical establishments (hospitals, maternity hospitals and sanatorium) of the country. It should be noted that 61.8 percent of the above mentioned establishments are affiliated to the Ministry of Health and Medical Education.

Also in the same year, 9861 health care and medical centres (clinic, polyclinic and health centres) were operating in the country which increased by 8 percent in comparison to the preceding year. It is noteworthy that 77 percent of these health care and medical centres were affiliated to the Ministry of Health and Medical Education. In 1388, 17608 health homes were operating in the rural areas of the country.

In the year 1388, there were 5037 medical diagnosis laboratories, 4752 rehabilitation centres, 2654 radiology centres and 7806 pharmacies in the country.

During the same year, the maximum number of vaccinations made in the units of Ministry of Health and Medical Education was related to poliomyelitis V. (6862 thousand cases), BCG.V.(TB.V.) (4570 thousand cases), hepatitis B. (4197 thousand cases) respectively.

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| **16. 1. EMPLOYED POPULATION IN THE MINISTRY OF HEALTH AND MEDICAL**  **EDUCATION BY OCCUPATION GROUP** |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Year and Ostan | Total | Physicians (1) | Paramedics | Other employees | | 1370 | 201100 | 17453 | 105658 | 77989 | | 1375 | 269894 | 19585 | 149380 | 100929 | | 1380 | 295325 | 21175 | 152396 | 121754 | | 1384 | 306096 | 26564 | 158886 | 120646 | | 1385 | 321544 | 29937 | 173076 | 118531 | | 1386 | 000 | 000 | 000 | 000 | | 1387 | 000 | 000 | 000 | 000 | | ***1388(2)*** | ***268815*** | ***29188*** | ***159240*** | ***(3)80387*** | | East Azarbayejan | 000 | 000 | 000 | 000 | | West Azarbayejan | 10009 | 1334 | 8415 | 260 | | Ardebil | 5221 | 466 | 3875 | 880 | | Esfahan | 22730 | 2383 | 12524 | 7823 | | Ilam | 000 | 000 | 000 | 000 | | Bushehr | 4611 | 551 | 2958 | 1102 | | Tehran | 38540 | 4509 | 19976 | 14055 | | Chaharmahal & Bakhtiyari | 4431 | 509 | 2398 | 1524 | | South Khorasan | 3758 | 417 | 2631 | 710 | | Khorasan-e-Razavi | 18773 | 2124 | 12934 | 3715 | | North Khorasan | 2847 | 314 | 1932 | 601 | | Khuzestan | 18877 | 1610 | 10719 | 6548 | | Zanjan | 5155 | 715 | 3531 | 909 | | Semnan | 4437 | 484 | 2407 | 1546 | | Sistan & Baluchestan | 11826 | 917 | 7158 | 3751 | | Fars | 21240 | 3047 | 12400 | 5793 | | Qazvin | 3326 | 520 | 1901 | 905 | | Qom | 3292 | 376 | 2053 | 863 | | Kordestan | 6426 | 610 | 4534 | 1282 | | Kerman | 1954 | 145 | 1455 | 354 | | Kermanshah | 9945 | 835 | 6133 | 2977 | | Kohgiluyeh & Boyerahmad | 3874 | 650 | 2024 | 1200 | | Golestan | 8080 | 747 | 3786 | 3547 | | Gilan | 000 | 000 | 000 | 000 | | Lorestan | 7217 | 723 | 4673 | 1821 | | Mazandaran | 18741 | 1947 | 10529 | 6265 | | Markazi | 6928 | 792 | 3731 | 2405 | | Hormozgan | 9263 | 599 | 3600 | 5064 | | Hamedan | 11010 | 1090 | 7174 | 2746 | | Yazd | 6304 | 774 | 3789 | 1741 | |
| *1. Including foreign physicians, excluding the year1388.* |
| *2.Including dentists, pharmacists and veterinarians, excluding the year1388.* |
| *3. Excluging East Azarbayejan, Ilam, Gilan.* |
| *4. Including veterinarians.* |
| *Source: Ministry of Health and Medical Education.* |

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| **16. 2. PHYSICIANS(1) EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL** |
| **EDUCATION BY FIELD AND TYPE OF SPECIALITY** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Total | General practitioner | Dentist | Veterinarian | Pharmacist | Specialist | | | | Total | Internal(2) | Cardio-vascular | | 1370 | 17453 | 8754 | 1541 | 99 | 1064 | 5995 | 528 | 170 | | 1375 | (4)19585 | 9057 | 1748 | 92 | 1179 | 7423 | 801 | 288 | | 1380 | 21175 | 8568 | 1945 | 527 | 1069 | 9066 | 1029 | 372 | | 1384 | 26564 | 11361 | 2517 | 74 | 1246 | 11366 | 941 | 512 | | 1385 | 29937 | 13485 | 2786 | 81 | 1327 | 12258 | 1102 | 604 | | 1386 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | 1387 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | ***1388(5)*** | ***29188*** | ***12289*** | ***2506*** | ***1207*** | ***000*** | ***13186*** | ***910*** | ***000*** | | East Azarbayejan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | West Azarbayejan | 1334 | 735 | 89 | 34 | 000 | 476 | 50 | 000 | | Ardebil | 466 | 240 | 37 | 16 | 000 | 173 | 10 | 000 | | Esfahan | 2383 | 923 | 290 | 124 | 000 | 1046 | 56 | 000 | | Ilam | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Bushehr | 551 | 304 | 66 | 14 | 000 | 167 | 17 | 000 | | Tehran | 4509 | 1269 | 365 | 272 | 000 | 2603 | 142 | 000 | | Chaharmahal & Bakhtiyari | 509 | 309 | 29 | 10 | 000 | 161 | 22 | 000 | | South Khorasan | 417 | 225 | 24 | 20 | 000 | 148 | 21 | 000 | | Khorasan-e-Razavi | 2124 | 817 | 152 | 114 | 000 | 1041 | 61 | 000 | | North Khorasan | 314 | 141 | 40 | 15 | 000 | 118 | 14 | 000 | | Khuzestan | 1610 | 713 | 94 | 65 | 000 | 738 | 49 | 000 | | Zanjan | 715 | 362 | 57 | 33 | 000 | 263 | 51 | 000 | | Semnan | 484 | 184 | 30 | 20 | 000 | 250 | 19 | 000 | | Sistan & Baluchestan | 917 | 503 | 69 | 17 | 000 | 328 | 20 | 000 | | Fars | 3047 | 904 | 208 | 101 | 000 | 1834 | 84 | 000 | | Qazvin | 520 | 203 | 93 | 18 | 000 | 206 | 12 | 000 | | Qom | 376 | 129 | 26 | 14 | 000 | 207 | 15 | 000 | | Kordestan | 610 | 261 | 58 | 11 | 000 | 280 | 18 | 000 | | Kerman | 145 | 62 | 13 | 4 | 000 | 66 | 3 | 000 | | Kermanshah | 835 | 420 | 78 | 28 | 000 | 309 | 24 | 000 | | Kohgiluyeh & Boyerahmad | 650 | 329 | 101 | 65 | 000 | 155 | 13 | 000 | | Golestan | 747 | 418 | 44 | 7 | 000 | 278 | 14 | 000 | | Gilan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Lorestan | 723 | 433 | 47 | 24 | 000 | 219 | 26 | 000 | | Mazandaran | 1947 | 833 | 186 | 86 | 000 | 842 | 80 | 000 | | Markazi | 792 | 331 | 44 | 32 | 000 | 385 | 21 | 000 | | Hormozgan | 599 | 386 | 31 | 9 | 000 | 173 | 16 | 000 | | Hamedan | 1090 | 534 | 136 | 32 | 000 | 388 | 20 | 000 | | Yazd | 774 | 321 | 99 | 22 | 000 | 332 | 32 | 000 | |

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| **16. 2. PHYSICIANS(1) EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL** |
| **EDUCATION BY FIELD AND TYPE OF SPECIALITY (continued)** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Specialist | | | | | | | | | Infectious | Pediatrics(2) | Neuro- psychiatry | Venereal &dermat | General surgery | Urology | Orthopedics | Brain & nerves | | 1370 | 112 | 776 | 239 | 108 | 768 | 162 | 295 | 107 | | 1375 | 164 | 1008 | 226 | 167 | 852 | 220 | 375 | 236 | | 1380 | 201 | 1193 | 312 | 205 | 821 | 180 | 410 | 281 | | 1384 | 253 | 1391 | 430 | 89 | 909 | 486 | 564 | 279 | | 1385 | 347 | 1340 | 509 | 257 | 1024 | 431 | 702 | 398 | | 1386 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | 1387 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | ***1388(5)*** | ***000*** | ***923*** | ***000*** | ***000*** | ***874*** | ***000*** | ***000*** | ***000*** | | East Azarbayejan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | West Azarbayejan | 000 | 44 | 000 | 000 | 26 | 000 | 000 | 000 | | Ardebil | 000 | 18 | 000 | 000 | 8 | 000 | 000 | 000 | | Esfahan | 000 | 73 | 000 | 000 | 50 | 000 | 000 | 000 | | Ilam | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Bushehr | 000 | 14 | 000 | 000 | 8 | 000 | 000 | 000 | | Tehran | 000 | 165 | 000 | 000 | 164 | 000 | 000 | 000 | | Chaharmahal & Bakhtiyari | 000 | 12 | 000 | 000 | 11 | 000 | 000 | 000 | | South Khorasan | 000 | 16 | 000 | 000 | 11 | 000 | 000 | 000 | | Khorasan-e-Razavi | 000 | 67 | 000 | 000 | 44 | 000 | 000 | 000 | | North Khorasan | 000 | 9 | 000 | 000 | 6 | 000 | 000 | 000 | | Khuzestan | 000 | 65 | 000 | 000 | 46 | 000 | 000 | 000 | | Zanjan | 000 | 35 | 000 | 000 | 16 | 000 | 000 | 000 | | Semnan | 000 | 20 | 000 | 000 | 11 | 000 | 000 | 000 | | Sistan & Baluchestan | 000 | 17 | 000 | 000 | 17 | 000 | 000 | 000 | | Fars | 000 | 51 | 000 | 000 | 74 | 000 | 000 | 000 | | Qazvin | 000 | 18 | 000 | 000 | 5 | 000 | 000 | 000 | | Qom | 000 | 26 | 000 | 000 | 0 | 000 | 000 | 000 | | Kordestan | 000 | 18 | 000 | 000 | 70 | 000 | 000 | 000 | | Kerman | 000 | 6 | 000 | 000 | 1 | 000 | 000 | 000 | | Kermanshah | 000 | 16 | 000 | 000 | 16 | 000 | 000 | 000 | | Kohgiluyeh & Boyerahmad | 000 | 15 | 000 | 000 | 8 | 000 | 000 | 000 | | Golestan | 000 | 17 | 000 | 000 | 13 | 000 | 000 | 000 | | Gilan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Lorestan | 000 | 22 | 000 | 000 | 11 | 000 | 000 | 000 | | Mazandaran | 000 | 76 | 000 | 000 | 77 | 000 | 000 | 000 | | Markazi | 000 | 18 | 000 | 000 | 116 | 000 | 000 | 000 | | Hormozgan | 000 | 16 | 000 | 000 | 20 | 000 | 000 | 000 | | Hamedan | 000 | 37 | 000 | 000 | 23 | 000 | 000 | 000 | | Yazd | 000 | 32 | 000 | 000 | 22 | 000 | 000 | 000 | |
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| **16.2. PHYSICIANS(1) EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL**  **EDUCATION BY FIELD** **AND TYPE OF SPECIALITY (continued)** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Specialist | | | | | | | | | Otolaryngology | Ophthal-mology | Gynecology | Plastic surgery | Anesthesiology | Radiology | Pathology | Other | | 1370 | 267 | 320 | 589 | (3)000 | 564 | 328 | (3)  000 | (3) 662 | | 1375 | 304 | 422 | 790 | 45 | 375 | 430 | 183 | 537 | | 1380 | 359 | 470 | 948 | 45 | 926 | 511 | 349 | 454 | | 1384 | 404 | 616 | 1156 | 57 | 665 | 1153 | 416 | 1045 | | 1385 | 445 | 615 | 1285 | 58 | 1189 | 635 | 478 | 839 | | 1386 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | 1387 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | ***1388(5)*** | ***000*** | ***000*** | ***976*** | ***000*** | ***938*** | ***000*** | ***000*** | ***(6)8565*** | | East Azarbayejan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | West Azarbayejan | 000 | 000 | 44 | 000 | 37 | 000 | 000 | 275 | | Ardebil | 000 | 000 | 14 | 000 | 14 | 000 | 000 | 109 | | Esfahan | 000 | 000 | 80 | 000 | 73 | 000 | 000 | 714 | | Ilam | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Bushehr | 000 | 000 | 15 | 000 | 11 | 000 | 000 | 102 | | Tehran | 000 | 000 | 182 | 000 | 200 | 000 | 000 | 1750 | | Chaharmahal & Bakhtiyari | 000 | 000 | 17 | 000 | 11 | 000 | 000 | 88 | | South Khorasan | 000 | 000 | 18 | 000 | 15 | 000 | 000 | 67 | | Khorasan-e-Razavi | 000 | 000 | 63 | 000 | 55 | 000 | 000 | 751 | | North Khorasan | 000 | 000 | 10 | 000 | 11 | 000 | 000 | 68 | | Khuzestan | 000 | 000 | 63 | 000 | 66 | 000 | 000 | 449 | | Zanjan | 000 | 000 | 20 | 000 | 21 | 000 | 000 | 120 | | Semnan | 000 | 000 | 18 | 000 | 13 | 000 | 000 | 169 | | Sistan & Baluchestan | 000 | 000 | 28 | 000 | 24 | 000 | 000 | 222 | | Fars | 000 | 000 | 102 | 000 | 102 | 000 | 000 | 1421 | | Qazvin | 000 | 000 | 17 | 000 | 10 | 000 | 000 | 144 | | Qom | 000 | 000 | 15 | 000 | 16 | 000 | 000 | 135 | | Kordestan | 000 | 000 | 21 | 000 | 16 | 000 | 000 | 137 | | Kerman | 000 | 000 | 2 | 000 | 3 | 000 | 000 | 51 | | Kermanshah | 000 | 000 | 26 | 000 | 27 | 000 | 000 | 200 | | Kohgiluyeh & Boyerahmad | 000 | 000 | 13 | 000 | 12 | 000 | 000 | 94 | | Golestan | 000 | 000 | 17 | 000 | 18 | 000 | 000 | 199 | | Gilan | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | Lorestan | 000 | 000 | 21 | 000 | 21 | 000 | 000 | 118 | | Mazandaran | 000 | 000 | 72 | 000 | 60 | 000 | 000 | 477 | | Markazi | 000 | 000 | 23 | 000 | 25 | 000 | 000 | 182 | | Hormozgan | 000 | 000 | 25 | 000 | 22 | 000 | 000 | 74 | | Hamedan | 000 | 000 | 26 | 000 | 30 | 000 | 000 | 252 | | Yazd | 000 | 000 | 24 | 000 | 25 | 000 | 000 | 197 | |
| *1. Including foreign physicians, excluding the year 1388.* |
| *2. Including super-specialist, excluding the year 1388.* |
| *3. Included in "Other".* |
| *4. Difference between the total and sum of parts is due to the inclusion in the total of physicians with their*  *speciality not specified.* |
| *5. Excluding East Azarbayejan, Ilam and Gilan.* |
| *6. Including statistics for physicians with PhD in laboratory science and super specialist.* |
| *Source: Ministry of Health and Medical Education.* |

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| **16. 3. PARAMEDICS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL** |
| **EDUCATION BY FIELD AND TYPE OF SPECIALITY** |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Field and type of speciality | 1375 | 1380 | 1384 | 1385 | 1386 | 1387 | 1388 | | ***Total*** | ***149380*** | ***152394*** | ***158886*** | ***173076*** | ***000*** | ***000*** | ***176417*** | | Assistant doctor (Behdar) | 175 | 158 | 226 | 229 | 000 | 000 | 000 | | Mental health expert | 615 | 617 | 591 | 730 | 000 | 000 | 000 | | Optometry expert, associate and technician | 118 | 299 | 186 | 196 | 000 | 000 | 000 | | Audiometry expert, associate and technician | 212 | 241 | 258 | 265 | 000 | 000 | 000 | | Person in charge of blood transfusion | 635 | 728 | 847 | 814 | 000 | 000 | 000 | | Prosthodontist (technician) | 117 | 96 | 95 | 97 | 000 | 000 | 000 | | Oral hygienist | 1881 | 1499 | 1309 | 1259 | 000 | 000 | 000 | | Nurse holding B.S or higher degree | 16396 | 25074 | 29559 | 33605 | 000 | 000 | 41629 | | Nurse holding associate degree | 1950 | 914 | 683 | 684 | 000 | 000 | 000 | | Midwife | 6590 | 8105 | 8995 | 10555 | 000 | 000 | 11642 | | Health worker and assistant health worker | 37508 | 27200 | 23740 | 24039 | 000 | 000 | (1)12647 | | Health attendant (Behvarz) | 23361 | (2)000 | 25600 | 27620 | 000 | 000 | 23380 | | Anesthetist expert, associate and technician | 2158 | 2606 | 2683 | 3078 | 000 | 000 | (3)2538 | | Operating room associate and technician | 2900 | 2945 | 3153 | 3671 | 000 | 000 | 3956 | | Dialysis technician | 105 | 111 | 202 | 170 | 000 | 000 | 000 | | Person in charge of medical emergency | 1360 | 1437 | 1739 | 2046 | 000 | 000 | 000 | | Rehabilitation expert, associate, and technician | 909 | 764 | 819 | 704 | 000 | 000 | 000 | | Person in charge of orthopedics | 172 | 22 | 19 | 17 | 000 | 000 | 000 | | Assistant of the disabled | 2603 | 2036 | 2051 | 2051 | 000 | 000 | 000 | | Environmental health expert, associate, and technician | 3163 | 4643 | 5426 | 5359 | 000 | 000 | 000 | | Entomologist | 21 | 38 | 47 | 78 | 000 | 000 | 000 | | Expert, associate, and technician for fighting diseases | (4)6987 | 5787 | 5738 | 6445 | 000 | 000 | 000 | | Expert and associate on occupational health | 599 | 1060 | 1011 | 1283 | 000 | 000 | 000 | | Health services trainer | 238 | 347 | 385 | 429 | 000 | 000 | 000 | | Expert, associate and technician on pharmaceutical affairs | 4020 | 3247 | 3276 | 3256 | 000 | 000 | 000 | | Expert, associate and technician on food planning and services | 485 | 813 | 920 | 1006 | 000 | 000 | 000 | | Expert, associate and technician on food, cosmetics and hygienic stuff | 414 | 395 | 367 | 444 | 000 | 000 | 000 | | Radiography expert, associate, and technician | 3644 | 4019 | 4473 | 4802 | 000 | 000 | 000 | | Electro-cardiography technician | 95 | 98 | 140 | 136 | 000 | 000 | 000 | | Medical laboratory expert, associate, and technician | (5)10219 | (5)10223 | 10461 | 11304 | 000 | 000 | 000 | | Person in charge of dissection room | 76 | 21 | 18 | 18 | 000 | 000 | 000 | | Hospital affairs expert | 209 | 262 | 306 | 449 | 000 | 000 | 000 | | Health and treatment social worker | 414 | 294 | 361 | 394 | 000 | 000 | 000 | | Receptionist and in charge of medical records | 2105 | 2857 | 3391 | 3779 | 000 | 000 | 000 | | Family health expert, associate, and technician | 5361 | (2)33783 | 9712 | 11279 | 000 | 000 | 000 | | Other paramedics | 11565 | 9655 | 10099 | 10785 | 000 | 000 | (6)80625 | |
| *1. Including health workers.* |
| *2. Included in family health technician.* |
| *3. Including only anesthetist technician statistics.* |
| *4. Including health assistants, too.* |
| *5. Including medical laboratory doctorates (non-physicians).* |
| *6. Including other specialities except for nurse with B.S degree and higher, nurse with associate degree, midwife,*  *health worker, health attendant, anesthetist technician, operating room associate and technician.* |
| *Source: Ministry of Health and Medical Education.* |
| **16. 4. NUMBER AND BEDS OF OPERATING MEDICAL ESTABLISHMENTS BY LEGAL**  **STATUS** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Total | | Affiliated to the Ministry of Health and Medical Education | | Private | | Other(1) | | | Establish-ments | Beds | Establish-ments | Beds | Establish-ments | Beds | Establish-ments | Beds | | 1370 | 639 | 85810 | 454 | 64024 | 118 | 9038 | 67 | 12748 | | 1375 | 685 | 98549 | 479 | 72089 | 113 | 9550 | 93 | 16910 | | 1380 | 717 | 109152 | 479 | 76167 | 119 | 11191 | 119 | 21794 | | 1384 | 750 | 113244 | 495 | 78733 | 128 | 12242 | 127 | 22269 | | 1385 | 773 | 116474 | 505 | 79772 | 128 | 12594 | 140 | 24108 | | 1386 | 799 | 119902 | 528 | 81814 | 130 | 12794 | 141 | 25294 | | 1387 | 818 | 120580 | 536 | 81762 | 130 | 13324 | 152 | 25494 | | ***1388*** | ***845*** | ***(2)114501*** | ***522*** | ***(2)78266*** | ***(2,3)144*** | ***(2,4)12527*** | ***179*** | ***(2,4,5)23708*** | | East Azarbayejan | 39 | 5284 | 27 | 3999 | 6 | 551 | 6 | 734 | | West Azarbayejan | 29 | 3352 | 23 | 2714 | 3 | 252 | 3 | 386 | | Ardebil | 14 | 2037 | 10 | 1589 | 1 | 106 | 3 | 342 | | Esfahan | 61 | 9414 | 38 | 6952 | 9 | 658 | 14 | 1804 | | Ilam | 11 | 1062 | 9 | 998 | 2 | 64 | 0 | 0 | | Bushehr | 13 | 961 | 8 | 709 | 1 | 11 | 4 | 241 | | Tehran | 167 | 28769 | 58 | 13372 | 65 | 6148 | 44 | 9249 | | Chaharmahal & Bakhtiyari | 9 | 1235 | 8 | 1118 | 0 | 0 | 1 | 117 | | South Khorasan | 8 | 866 | 6 | 716 | 0 | 0 | 2 | 150 | | Khorasan-e-Razavi | 56 | 9429 | 34 | 6558 | 5 | 500 | 17 | 2371 | | North Khorasan | 8 | 842 | 6 | 760 | 0 | 0 | 2 | 82 | | Khuzestan | 50 | 7787 | 30 | 5013 | 4 | 494 | 16 | 2280 | | Zanjan | 11 | 1529 | 8 | 1285 | 0 | 0 | 3 | 244 | | Semnan | 12 | 1432 | 10 | 1198 | 000 | 96 | 2 | 138 | | Sistan & Baluchestan | 17 | 2614 | 13 | 2355 | 0 | 0 | 4 | 259 | | Fars | 57 | 8506 | 41 | 6747 | 11 | 1050 | 5 | 709 | | Qazvin | 13 | 1440 | 6 | 786 | 3 | 216 | 4 | 438 | | Qom | 8 | 38 | 6 | 38 | 0 | 0 | 2 | 000 | | Kordestan | 15 | 1867 | 12 | 1630 | 0 | 0 | 3 | 237 | | Kerman | 27 | 522 | 17 | 522 | 3 | 000 | 7 | 000 | | Kermanshah | 22 | 2962 | 17 | 2232 | 1 | 150 | 4 | 580 | | Kohgiluyeh & Boyerahmad | 5 | 000 | 4 | 000 | 000 | 000 | 1 | 000 | | Golestan | 21 | 2388 | 14 | 1692 | 5 | 283 | 2 | 413 | | Gilan | 28 | 3908 | 20 | 3116 | 6 | 492 | 2 | 300 | | Lorestan | 24 | 2582 | 15 | 1911 | 5 | 287 | 4 | 384 | | Mazandaran | 39 | 4884 | 27 | 3868 | 6 | 537 | 6 | 479 | | Markazi | 17 | 1945 | 13 | 1513 | 1 | 116 | 3 | 316 | | Hormozgan | 20 | 1788 | 13 | 1294 | 2 | 114 | 5 | 380 | | Hamedan | 22 | 2419 | 16 | 1973 | 1 | 100 | 5 | 346 | | Yazd | 22 | 2639 | 13 | 1608 | 4 | 302 | 5 | 729 | |
| *1. Including establishments affiliated to the Social Security Organization, charity organizations, banks, etc .* |
| *2. Excluding Kohgiluyeh & Boyerahmad.* |
| *3. Excluding Semnan.* |
| *4. Excluding Kerman.* |
| *5. Excluding Qom.* |
| *Source: Ministry of Health and Medical Education.* |

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| **16. 5. OPERATING MEDICAL ESTABLISHMENTS BY FIELD OF SPECIALITY** |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Field of speciality | 1380 | 1384 | 1385 | 1386 | 1387 | 1388 | | ***Total*** | ***(1)717*** | ***750*** | ***773*** | ***799*** | ***818*** | ***845*** | | General practice | 572 | 601 | 624 | 638 | 670 | - | | Speciality | 144 | 149 | 149 | 161 | 148 | - | | Gynecology and obstetrics | 58 | 54 | 53 | 60 | 60 | - | | Pediatrics | 20 | 18 | 18 | 20 | 17 | - | | Mental health | 16 | 21 | 21 | 20 | 21 | - | | Ophthalmology | 5 | 11 | 11 | 12 | 8 | - | | Cardiovascular | 8 | 10 | 10 | 9 | 7 | - | | Accidents and burns | 8 | 7 | 6 | 9 | 8 | - | | Cancer | 5 | 5 | 5 | 6 | 6 | - | | Neuropsychiatry | 10 | 8 | 9 | 10 | 8 | - | | Orthopedics | 4 | 4 | 5 | 4 | 3 | - | | Infectious diseases | 1 | 2 | 2 | 1 | 1 | - | | Leprosy | 2 | 2 | 2 | 1 | 1 | - | | Otolaryngology | 1 | 1 | 1 | 2 | 2 | - | | Pulmonary disorders | 2 | 1 | 1 | 1 | 1 | - | | Urology | 2 | 3 | 2 | 2 | 1 | - | | Dermatology | 1 | 1 | 1 | 2 | 1 | - | | Maxillofacial diseases | 1 | 1 | 2 | 2 | 3 | - | |
| *1. Difference between the total and sum of parts is due to the inclusion in the total of hospitals engaged in oncology*  *and hematology practices.* |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 6. HEALTH AND TREATMENT CENTRES BY GEOGRAPHICAL, LEGAL AND** **ADMINISTRATIVE STATUS** |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Geographical status | | | Legal status | | | | Total | Urban | Rural | Affiliated to the Ministry of Health and medical Education | Private | Other | | 1370 | 4705 | 2722 | 1983 | 4138 | 174 | 393 | | 1375 | 5797 | 3756 | 2041 | 4921 | 219 | 657 | | 1380 | 7089 | 4742 | 2347 | 5675 | 452 | 962 | | 1384 | 7894 | 5470 | 2424 | 6089 | 767 | 1038 | | 1385 | 8288 | 5786 | 2502 | 6390 | 856 | 1042 | | 1386 | 8634 | 6076 | 2558 | 6553 | 985 | 1096 | | 1387 | 9142 | 6582 | 2560 | 6768 | 1073 | 1301 | | ***1388*** | ***9861*** | ***7386*** | ***2475*** | ***7546*** | ***1242*** | ***1073 (1)*** | | East Azarbayejan | 559 | 424 | 135 | 362 | 148 | 49 | | West Azarbayejan | 340 | 206 | 134 | 294 | 25 | 21 | | Ardebil | 175 | 122 | 53 | 144 | 13 | 18 | | Esfahan | 798 | 701 | 97 | 590 | 89 | 119 | | Ilam | 81 | 52 | 29 | 63 | 14 | 4 | | Bushehr | 119 | 89 | 30 | 96 | 7 | 16 | | Tehran | 1492 | 1435 | 57 | 847 | 413 | 232 | | Chaharmahal & Bakhtiyari | 155 | 85 | 70 | 142 | 1 | 12 | | South Khorasan | 127 | 84 | 43 | 109 | 4 | 14 | | Khorasan-e-Razavi | 891 | 708 | 183 | 662 | 84 | 145 | | North Khorasan | 126 | 80 | 46 | 111 | 1 | 14 | | Khuzestan | 447 | 314 | 133 | 383 | 28 | 36 | | Zanjan | 129 | 71 | 58 | 109 | 10 | 10 | | Semnan | 133 | 107 | 26 | 109 | 7 | 17 | | Sistan & Baluchestan | 354 | 228 | 126 | 299 | 39 | 16 | | Fars | 571 | 392 | 179 | 460 | 69 | 42 | | Qazvin | 146 | 103 | 43 | 112 | 22 | 12 | | Qom | 157 | 146 | 11 | 98 | 28 | 31 | | Kordestan | 186 | 114 | 72 | 172 | 6 | 8 | | Kerman | 339 | 245 | 94 | 290 | 24 | 25 | | Kermanshah | 185 | 119 | 66 | 154 | 9 | 22 | | Kohgiluyeh & Boyerahmad | 121 | 70 | 51 | 105 | 8 | 8 | | Golestan | 239 | 143 | 96 | 193 | 28 | 18 | | Gilan | 303 | 203 | 100 | 239 | 30 | 34 | | Lorestan | 242 | 168 | 74 | 203 | 15 | 24 | | Mazandaran | 478 | 289 | 189 | 378 | 63 | 37 | | Markazi | 242 | 175 | 67 | 202 | 9 | 31 | | Hormozgan | 281 | 192 | 89 | 237 | 21 | 23 | | Hamedan | 214 | 128 | 86 | 197 | 1 | 16 | | Yazd | 231 | 193 | 38 | 186 | 26 | 19 | |
| *1. Including establishments affilitated to the Social Security Organization, Charity Affairs,etc.* |
| *Source: Ministry of Health and Medical Education.* |

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| **16. 6. HEALTH AND TREATMENT CENTRES BY GEOGRAPHICAL, LEGAL AND** **ADMINISTRATIVE STATUS (continued)** |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Year and Ostan | Type of administration | | Working time | | | Independent | Dependent | Day | Day & night | | 1370 | 4150 | 555 | 3982 | 723 | | 1375 | 5050 | 747 | 4641 | 1156 | | 1380 | 6066 | 1023 | 5725 | 1364 | | 1384 | 6592 | 1302 | 6280 | 1614 | | 1385 | 6779 | 1509 | 6521 | 1767 | | 1386 | 6709 | 1925 | 6770 | 1864 | | 1387 | 2123 | 7019 | 7159 | 1983 | | ***1388*** | ***-*** | ***-*** | ***-*** | ***-*** | | East Azarbayejan | - | - | - | - | | West Azarbayejan | - | - | - | - | | Ardebil | - | - | - | - | | Esfahan | - | - | - | - | | Ilam | - | - | - | - | | Bushehr | - | - | - | - | | Tehran | - | - | - | - | | Chaharmahal & Bakhtiyari | - | - | - | - | | South Khorasan | - | - | - | - | | Khorasan-e-Razavi | - | - | - | - | | North Khorasan | - | - | - | - | | Khuzestan | - | - | - | - | | Zanjan | - | - | - | - | | Semnan | - | - | - | - | | Sistan & Baluchestan | - | - | - | - | | Fars | - | - | - | - | | Qazvin | - | - | - | - | | Qom | - | - | - | - | | Kordestan | - | - | - | - | | Kerman | - | - | - | - | | Kermanshah | - | - | - | - | | Kohgiluyeh & Boyerahmad | - | - | - | - | | Golestan | - | - | - | - | | Gilan | - | - | - | - | | Lorestan | - | - | - | - | | Mazandaran | - | - | - | - | | Markazi | - | - | - | - | | Hormozgan | - | - | - | - | | Hamedan | - | - | - | - | | Yazd | - | - | - | - | |
| *1. Including establishments affilitated to the Social Security Organization, Charity Affairs,etc.* |
| *Source: Ministry of Health and Medical Education.* |

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| |  | | --- | | **16. 7. HEALTH HOMES OPERATING IN RURAL AREAS AND THE POPULATION** **COVERED** | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Year and Ostan | Operating health homes | Population covered | Workers (Behvarz) | | | | Both sexes | Male | Female | | 1375 | 14146 | 19363345 | 22143 | 8829 | 13314 | | 1380 | 16281 | 000 | 000 | 000 | 000 | | 1384 | 16725 | 000 | 27085 | 10404 | 16681 | | 1385 | 17130 | 21700965 | 19288 | 7122 | 12166 | | 1386 | 17151 | 000 | 30147 | 000 | 000 | | 1387 | 18060 | 000 | 29193 | 000 | 000 | | ***1388*** | ***17608*** | ***000*** | ***31795*** | ***12431*** | ***19364*** | | East Azarbayejan | 1057 | 000 | 1779 | 509 | 1270 | | West Azarbayejan | 946 | 000 | 1604 | 610 | 994 | | Ardebil | 513 | 000 | 856 | 297 | 559 | | Esfahan | 579 | 000 | 1493 | 453 | 1040 | | Ilam | 196 | 000 | 367 | 158 | 209 | | Bushehr | 217 | 000 | 469 | 158 | 311 | | Tehran | 300 | 000 | 511 | 149 | 362 | | Chaharmahal & Bakhtiyari | 293 | 000 | 560 | 188 | 372 | | South Khorasan | 282 | 000 | 455 | 183 | 272 | | Khorasan-e-Razavi | 1286 | 000 | 1972 | 633 | 1339 | | North Khorasan | 347 | 000 | 597 | 198 | 399 | | Khuzestan | 893 | 000 | 1744 | 747 | 997 | | Zanjan | 420 | 000 | 698 | 260 | 438 | | Semnan | 136 | 000 | 268 | 103 | 165 | | Sistan & Baluchestan | 860 | 000 | 1499 | 782 | 717 | | Fars | 1072 | 000 | 1772 | 1187 | 585 | | Qazvin | 282 | 000 | 485 | 175 | 310 | | Qom | 59 | 000 | 94 | 33 | 61 | | Kordestan | 623 | 000 | 1042 | 520 | 522 | | Kerman | 1125 | 000 | 1890 | 700 | 1190 | | Kermanshah | 668 | 000 | 1115 | 565 | 550 | | Kohgiluyeh & Boyerahmad | 338 | 000 | 661 | 291 | 370 | | Golestan | 589 | 000 | 1258 | 469 | 789 | | Gilan | 971 | 000 | 2088 | 720 | 1368 | | Lorestan | 628 | 000 | 1022 | 366 | 656 | | Mazandaran | 1215 | 000 | 2293 | 798 | 1495 | | Markazi | 399 | 000 | 738 | 238 | 500 | | Hormozgan | 527 | 000 | 965 | 381 | 584 | | Hamedan | 575 | 000 | 1077 | 399 | 678 | | Yazd | 212 | 000 | 423 | 161 | 262 | |
| *Source: Ministry of Health and Medical Education.* |
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| **16.8. MEDICAL DIAGNOSIS LABORATORIES(1) BY ADMINISTRATIVE AND LEGAL** **STATUS** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Legal status | | | | Type of administration | | Working time | | | Total | Affiliated to the Ministry of Health and Medical Education | Private | Other | Independent | Dependent | Day(2) | Day & night | | 1375 | 2896 | 1768 | 783 | 345 | 808 | 2088 | 2313 | 583 | | 1380 | 3701 | 1873 | 1355 | 473 | 1347 | 2354 | 3001 | 700 | | 1384 | 4204 | 1964 | 1677 | 563 | 1734 | 2470 | 3310 | 894 | | 1385 | 4414 | 2071 | 1768 | 575 | 1873 | 2541 | 3513 | 901 | | 1386 | 4551 | 2134 | 1834 | 583 | 1948 | 2592 | 3633 | 907 | | 1387 | 4955 | 2341 | 1973 | 641 | 2200 | 2755 | 4112 | 843 | | ***1388*** | ***5037*** | ***2383*** | ***2080*** | ***574*** | ***000*** | ***000*** | ***4209*** | ***828*** | | East Azarbayejan… | 195 | 97 | 86 | 12 | 000 | 000 | 152 | 43 | | West Azarbayejan.. | 133 | 77 | 49 | 7 | 000 | 000 | 106 | 27 | | Ardebil | 73 | 48 | 20 | 5 | 000 | 000 | 59 | 14 | | Esfahan | 393 | 180 | 178 | 35 | 000 | 000 | 328 | 65 | | Ilam | 45 | 34 | 10 | 1 | 000 | 000 | 34 | 11 | | Bushehr | 58 | 46 | 12 | 0 | 000 | 000 | 50 | 8 | | Tehran | 1003 | 113 | 728 | 162 | 000 | 000 | 851 | 152 | | Chaharmahal & Bakhtiyari | 115 | 94 | 13 | 8 | 000 | 000 | 105 | 10 | | South Khorasan | 55 | 37 | 10 | 8 | 000 | 000 | 46 | 9 | | Khorasan-e-Razavi | 360 | 175 | 134 | 51 | 000 | 000 | 290 | 70 | | North Khorasan | 58 | 40 | 12 | 6 | 000 | 000 | 50 | 8 | | Khuzestan | 232 | 97 | 93 | 42 | 000 | 000 | 178 | 54 | | Zanjan | 63 | 42 | 19 | 2 | 000 | 000 | 57 | 6 | | Semnan | 69 | 44 | 17 | 8 | 000 | 000 | 59 | 10 | | Sistan & Baluchestan | 102 | 76 | 17 | 9 | 000 | 000 | 85 | 17 | | Fars | 377 | 200 | 139 | 38 | 000 | 000 | 322 | 55 | | Qazvin | 76 | 33 | 31 | 12 | 000 | 000 | 63 | 13 | | Qom | 65 | 19 | 25 | 21 | 000 | 000 | 57 | 8 | | Kordestan | 177 | 105 | 50 | 22 | 000 | 000 | 148 | 29 | | Kerman | 64 | 36 | 24 | 4 | 000 | 000 | 50 | 14 | | Kermanshah | 117 | 71 | 35 | 11 | 000 | 000 | 95 | 22 | | Kohgiluyeh & Boyerahmad | 52 | 38 | 13 | 1 | 000 | 000 | 47 | 5 | | Golestan | 105 | 49 | 41 | 15 | 000 | 000 | 85 | 20 | | Gilan | 177 | 79 | 78 | 20 | 000 | 000 | 148 | 29 | | Lorestan | 118 | 80 | 29 | 9 | 000 | 000 | 100 | 18 | | Mazandaran | 245 | 107 | 110 | 28 | 000 | 000 | 203 | 42 | | Markazi | 132 | 91 | 32 | 9 | 000 | 000 | 113 | 19 | | Hormozgan | 163 | 141 | 17 | 5 | 000 | 000 | 146 | 17 | | Hamedan | 99 | 61 | 34 | 4 | 000 | 000 | 85 | 14 | | Yazd | 116 | 73 | 24 | 19 | 000 | 000 | 97 | 19 | |
| *1. Excluding malaria diagnosis laboratories.* |
| *2. Including laboratories working part-time and full-time.* |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 9. REHABILITATION CENTRES(1) BY ADMINISTRATIVE AND LEGAL** |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Legal status | | | | Type of administration | | | Total | Affiliated to the Ministry of Health and Medical Education | Private | Other | Independent | Dependent | | 1375(2) | 716 | 146 | 288 | 282 | 353 | 363 | | 1380 | 1679 | 225 | 953 | 501 | 1071 | 608 | | 1384 | 2311 | 281 | 1466 | 564 | 1633 | 678 | | 1385 | 2704 | 319 | 1789 | 596 | 1956 | 748 | | 1386 | 3042 | 349 | 2071 | 622 | 2230 | 812 | | 1387 | 3369 | 373 | 2301 | 695 | 2551 | 818 | | ***1388(3)*** | ***4752*** | ***(4)557*** | ***3358*** | ***837*** | ***-*** | ***-*** | | East Azarbayejan | 000 | 000 | 000 | 000 | - | - | | West Azarbayejan | 63 | 7 | 43 | 13 | - | - | | Ardebil | 54 | 4 | 44 | 6 | - | - | | Esfahan | 306 | 37 | 202 | 67 | - | - | | Ilam | 000 | 000 | 000 | 000 | - | - | | Bushehr | 39 | 2 | 28 | 9 | - | - | | Tehran | 1443 | 88 | 1179 | 176 | - | - | | Chaharmahal & Bakhtiyari | 30 | 2 | 23 | 5 | - | - | | South Khorasan | 46 | 2 | 36 | 8 | - | - | | Khorasan-e-Razavi | 829 | 247 | 323 | 259 | - | - | | North Khorasan | 45 | 3 | 37 | 5 | - | - | | Khuzestan | 261 | 16 | 205 | 40 | - | - | | Zanjan | 60 | 9 | 43 | 8 | - | - | | Semnan | 41 | 10 | 17 | 14 | - | - | | Sistan & Baluchestan | 117 | 3 | 107 | 7 | - | - | | Fars | 352 | 20 | 261 | 71 | - | - | | Qazvin | 51 | 6 | 39 | 6 | - | - | | Qom | 75 | 5 | 65 | 5 | - | - | | Kordestan | 30 | 2 | 21 | 7 | - | - | | Kerman | 80 | 19 | 54 | 7 | - | - | | Kermanshah | 59 | 7 | 41 | 11 | - | - | | Kohgiluyeh & Boyerahmad | 14 | 1 | 12 | 1 | - | - | | Golestan | 108 | 8 | 95 | 5 | - | - | | Gilan | 161 | 21 | 123 | 17 | - | - | | Lorestan | 48 | 000 | 47 | 1 | - | - | | Mazandaran | 239 | 17 | 197 | 25 | - | - | | Markazi | 42 | 4 | 26 | 12 | - | - | | Hormozgan | 44 | 1 | 21 | 22 | - | - | | Hamedan | 49 | 6 | 36 | 7 | - | - | | Yazd | 66 | 10 | 33 | 23 | - | - | |
| *1. Including physiotherapy, work therapy, speech therapy, audiometry, optometry, and technical orthopedics.*  *2. Statistics for rehabilitation include physiotherapy centres only.*  *3. Excluding East Azarbayejan and Ilam.*  *4. Excluding Lorestan.*  *Source: Ministry of Health and Medical Education.* |
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| **16. 10. RADIOGRAPHY CENTRES BY ADMINISTRATIVE AND LEGAL STATUS** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Legal status | | | | Type of administration | | Working time | | | Total | Affiliated to the Ministry of Health and Medical Education | Private | Other | Independent | Dependent | Day | Day & night | | 1375 | 1344 | 647 | 493 | 204 | 432 | 912 | 843 | 501 | | 1380 | 1801 | 667 | 815 | 319 | 704 | 1097 | 1189 | 612 | | 1384 | 2116 | 719 | 1026 | 371 | 921 | 1195 | 1411 | 705 | | 1385 | 2227 | 761 | 1087 | 379 | 1012 | 1215 | 1469 | 758 | | 1386 | 2292 | 777 | 1128 | 387 | 1104 | 1179 | 1527 | 766 | | 1387 | 2452 | 784 | 1219 | 449 | 1191 | 1261 | 1674 | 778 | | ***1388*** | ***2654*** | ***745*** | ***1451*** | ***458*** | ***-*** | ***-*** | ***(1)1846*** | ***808*** | | East Azarbayejan | 126 | 45 | 67 | 14 | - | - | 126 | 000 | | West Azarbayejan | 72 | 28 | 42 | 2 | - | - | 52 | 20 | | Ardebil | 31 | 10 | 15 | 6 | - | - | 17 | 14 | | Esfahan | 194 | 56 | 96 | 42 | - | - | 146 | 48 | | Ilam | 18 | 11 | 5 | 2 | - | - | 7 | 11 | | Bushehr | 33 | 14 | 12 | 7 | - | - | 19 | 14 | | Tehran | 790 | 92 | 570 | 128 | - | - | 650 | 140 | | Chaharmahal & Bakhtiyari | 26 | 9 | 11 | 6 | - | - | 17 | 9 | | South Khorasan | 19 | 10 | 7 | 2 | - | - | 11 | 8 | | Khorasan-e-Razavi | 186 | 55 | 82 | 49 | - | - | 131 | 55 | | North Khorasan | 18 | 6 | 9 | 3 | - | - | 11 | 7 | | Khuzestan | 145 | 44 | 63 | 38 | - | - | 92 | 53 | | Zanjan | 27 | 12 | 11 | 4 | - | - | 16 | 11 | | Semnan | 33 | 15 | 7 | 11 | - | - | 24 | 9 | | Sistan & Baluchestan | 48 | 19 | 28 | 1 | - | - | 29 | 19 | | Fars | 161 | 65 | 76 | 20 | - | - | 87 | 74 | | Qazvin | 36 | 7 | 21 | 8 | - | - | 25 | 11 | | Qom | 31 | 6 | 11 | 14 | - | - | 25 | 6 | | Kordestan | 39 | 16 | 15 | 8 | - | - | 24 | 15 | | Kerman | 78 | 34 | 33 | 11 | - | - | 32 | 46 | | Kermanshah | 57 | 24 | 23 | 10 | - | - | 32 | 25 | | Kohgiluyeh & Boyerahmad | 23 | 4 | 8 | 11 | - | - | 11 | 12 | | Golestan | 46 | 19 | 21 | 6 | - | - | 24 | 22 | | Gilan | 73 | 23 | 48 | 2 | - | - | 47 | 26 | | Lorestan | 54 | 16 | 26 | 12 | - | - | 16 | 38 | | Mazandaran | 107 | 36 | 63 | 8 | - | - | 71 | 36 | | Markazi | 38 | 15 | 13 | 10 | - | - | 21 | 17 | | Hormozgan | 47 | 23 | 15 | 9 | - | - | 25 | 22 | | Hamedan | 48 | 17 | 21 | 10 | - | - | 27 | 21 | | Yazd | 50 | 14 | 32 | 4 | - | - | 31 | 19 | |
| *1. Including part-time and full time centres.* |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 11. PHARMACIES BY ADMINISTRATIVE AND LEGAL STATUS** |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Year and Ostan | Legal status | | | | Working time | | | Total | Affiliated to the Ministry of Health and Medical Education | Private | Other | Day(1) | Day & night | | 1375 | 4227 | 370 | 3712 | 145 | 3841 | 386 | | 1380 | 5918 | 348 | 5360 | 210 | 5404 | 514 | | 1384 | 6679 | 409 | 6048 | 222 | 5607 | 1072 | | 1385 | 7358 | 467 | 6650 | 241 | 6302 | 1056 | | 1386 | 7601 | 487 | 6860 | 254 | 6841 | 760 | | 1387 | 7965 | 832 | 6863 | 270 | 7161 | 804 | | ***1388(2)*** | ***7806*** | ***383*** | ***(3)6929*** | ***494*** | ***6920*** | ***886*** | | East Azarbayejan | 000 | 000 | 000 | 000 | 000 | 000 | | West Azarbayejan | 254 | 10 | 238 | 6 | 224 | 30 | | Ardebil | 131 | 12 | 112 | 7 | 119 | 12 | | Esfahan | 662 | 6 | 649 | 7 | 599 | 63 | | Ilam | 61 | 9 | 47 | 5 | 44 | 17 | | Bushehr | 74 | 8 | 65 | 1 | 62 | 12 | | Tehran | 1962 | 24 | 1865 | 73 | 1819 | 143 | | Chaharmahal & Bakhtiyari | 79 | 3 | 74 | 2 | 74 | 5 | | South Khorasan | 72 | 6 | 61 | 5 | 66 | 6 | | Khorasan-e-Razavi | 681 | 27 | 605 | 49 | 604 | 77 | | North Khorasan | 60 | 6 | 50 | 4 | 50 | 10 | | Khuzestan | 441 | 25 | 360 | 56 | 381 | 60 | | Zanjan | 98 | 11 | 86 | 1 | 80 | 18 | | Semnan | 67 | 6 | 55 | 6 | 60 | 7 | | Sistan & Baluchestan | 197 | 48 | 147 | 2 | 172 | 25 | | Fars | 547 | 49 | 476 | 22 | 442 | 105 | | Qazvin | 122 | 5 | 113 | 4 | 111 | 11 | | Qom | 145 | 6 | 126 | 13 | 127 | 18 | | Kordestan | 118 | 11 | 99 | 8 | 92 | 26 | | Kerman | 258 | 15 | 228 | 15 | 231 | 27 | | Kermanshah | 180 | 20 | 157 | 3 | 165 | 15 | | Kohgiluyeh & Boyerahmad | 65 | 6 | 55 | 4 | 57 | 8 | | Golestan | 179 | 25 | 000 | 154 | 137 | 42 | | Gilan | 311 | 8 | 299 | 4 | 270 | 41 | | Lorestan | 181 | 12 | 154 | 15 | 161 | 20 | | Mazandaran | 382 | 12 | 367 | 3 | 344 | 38 | | Markazi | 128 | 0 | 123 | 5 | 119 | 9 | | Hormozgan | 92 | 10 | 72 | 10 | 74 | 18 | | Hamedan | 144 | 2 | 136 | 6 | 131 | 13 | | Yazd | 115 | 1 | 110 | 4 | 105 | 10 | |
| *1. Including pharmacies working part-time and full-time.* |
| *2. Excluding East Azarbayejan.* |
| *3. Excluding Golestan.* |
| *Source: Ministry of Health and Medical Education.* |

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| **16. 12. ACTIVITIES OF ANTI-MALARIA CAMPAIGN CENTRES** |
| |  |  |  |  | | --- | --- | --- | --- | | Year | Number of slides in villages under care | | Pesticides used in villages sprayed | | Tested | Positive cases | Insecticide (kg) | | 1370 | 2777896 | 98017 | 795435 | | 1375 | 3670152 | 55843 | 157628 | | 1380 | 1190213 | 18948 | 1670 | | 1384 | 1270396 | 19256 | (1)10858 | | 1385 | 1136302 | 15869 | 8260 | | 1386 | 1056689 | 16468 | 8887 | | 1387 | 934547 | 11290 | 7248 | | ***1388*** | ***701559*** | ***5921*** | ***5384*** | |
| *1. Revised figures.* |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 13. VACCINATION BY THE MINISTRY OF HEALTH AND MEDICAL EDUCATION** |
| **(1000 cases)** |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Year | Poliomyelitis V | Measles  V | BCG.V  (TB.V.) | Triple V.(D.P.T.) | Polyvalent V. (D.T.) (mixed V.) | MeningitisV | Hepatitis B.V. | | 1370 | 9537 | 3429 | 2810 | 9237 | 1869 | 346 | 270 | | 1375 | 694 | 2873 | 2021 | 6603 | 6018 | 486 | 3717 | | 1380 | 6848 | 2402 | 1121 | 4631 | 5433 | 915 | 3824 | | 1384 | 6948 | 2345 | 1204 | 4563 | 3745 | 560 | 3973 | | 1385 | 7268 | 2439 | 1279 | 4686 | 2524 | 653 | 4206 | | 1386 | 7158 | 2004 | 1266 | 4793 | 3235 | 735 | 4252 | | 1387 | 6683 | 2725 | 1183 | 4512 | 2861 | 710 | 3916 | | ***1388*** | ***6862*** | ***3235*** | ***1277*** | ***4570*** | ***2700*** | ***671*** | ***4197*** | |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 14. NUMBER OF CONTAGIOUS DISEASE CASES DIAGNOSED IN CLINICAL EXAMINATIONS** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Type of disease | 1370 | 1375 | 1380 | 1384 | 1385 | 1386 | 1387 | 1388 | | Chicken pox | 40011 | 52362 | 9589 | 000 | 000 | 000 | 000 | 000 | | Kinds of diarrhea | 1460000 | 471708 | 000 | 000 | 000 | 000 | 000 | 000 | | Mumps | - | - | 000 | 000 | 000 | 000 | 000 | 000 | | Infectious conjunctivitis | 477000 | 219861 | 000 | 000 | 22744 | 000 | 000 | 000 | | Trachoma | 3554 | 306 | 351 | 000 | 000 | 000 | 000 | 000 | | Rubella | - | - | 000 | 13 | 71 | 84 | 140 | 124 | | Measles | 5007 | 2651 | 7780 | 752 | 904 | 938 | 995 | 1355 | | Whooping cough | 730 | 85 | 97 | 125 | 86 | 314 | 905 | 730 | | Favus | 28300 | 10840 | 3891 | 000 | 000 | 000 | 000 | 000 | | Tetanus | 25 | 36 | 24 | 7 | 12 | 7 | 13 | 5 | | Rabies | 11 | 8 | 2 | 4 | 10 | 6 | 6 | 4 | | Hepatitis | 15742 | 5157 | 11223 | 10462 | 11512 | 11667 | 10159 | 10391 | |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 15. NUMBER OF CONTAGIOUS DISEASE CASES DIAGNOSED IN MEDICAL DIAGNOSIS** **LABORATORIES** |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Type of disease | 1370 | 1375 | 1380 | 1384 | 1385 | 1386 | 1387 | 1388 | | Intestinal parasites | 595000 | 282831 | 000 | 000 | 000 | 000 | 000 | 000 | | Malta fever | 55898 | 30965 | 16471 | 26549 | 23558 | 21109 | 18250 | 12685 | | Leprosy | 191 | 112 | 96 | 87 | 89 | 71 | 38 | 46 | | Typhoid and Paratyphoid | 28819 | 7690 | 1869 | 379 | 437 | 975 | 449 | 490 | | Diphtheria | 163 | 16 | 12 | 15 | 26 | 38 | 49 | 60 | | Aleppo boil | 14698 | 19556 | 14505 | 21419 | 24517 | 26493 | 26920 | 23626 | | Pulmonary tuberculosis | 11090 | 9989 | 9359 | 6079 | 6811 | 6820 | 7032 | 7373 | | Gonorrhoea (gonococcus urethritis) | 794 | 1989 | 7007 | 5592 | 6373 | (1)5993 | (1)4844 | 3860 | | Anthrax | 101 | 178 | 269 | 155 | 161 | 155 | 177 | 155 | | Syphilis | 1733 | 1459 | 484 | 795 | 952 | 153 | (1)153 | 88 | | Poliomyelitis | 595000 | 282831 | 000 | 000 | 000 | 000 | 000 | 000 | | Meningitis | 230 | 102 | 319 | 182 | 208 | 184 | 237 | 201 | | Cholera | 1890 | 62 | 105 | 1133 | 24 | 57 | 220 | 18 | |
| *1. Revised figures.* |
| *Source: Ministry of Health and Medical Education.* |
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| **16. 16. LEPERS(1) BY SEX AND AGE** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Year | Sex | | | Age | | | Both sexes | Male | Female | 14 years and under | 15 years and over | | 1370 | 191 | 132 | 59 | 37 | 154 | | 1375 | 112 | 69 | 43 | 13 | 99 | | 1380 | 96 | 44 | 52 | 3 | 93 | | 1384(2) | 90 | 49 | 41 | 5 | 85 | | 1385(2) | 72 | 39 | 33 | 0 | 72 | | 1386(2) | 41 | 24 | 17 | 0 | 41 | | 1387 | 38 | 24 | 14 | 0 | 38 | | ***1388*** | ***46*** | ***31*** | ***15*** | ***0*** | ***46*** | |
| *1. New cases reported for the stated year.*  *2. Revised figures.*  *Source: Ministry of Health and Medical Education.* |
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| **16. 17. LIVESTOCK VACCINATED AGAINST CONTAGIOUS AND NON-CONTAGIOUS** **DISEASES** |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Year | Contagious diseases | | | | | | | | | | | Pox sheep and goat (1000 heads) | Pest bovine | Foot and mouth disease | | Charbon | | | | Symptomatic charbon cow and buffalo (1000 heads) | Agalactia sheep and goat (1000 heads) | | cattle (1000 head-round)(1) | Sheep and goat (1000 heads) | Cattle (1000 heads) | Sheep and goat (1000 heads) | Soliped(2)  (1000 heads) | Camel (1000 heads) | | 1370 | 29106 | 5932 | 2910 | 4148 | 1829 | 38048 | 23 | 0 | 390 | 964 | | 1375 | 66500 | 7748 | 4615 | 15786 | 3060 | 63298 | 47 | 2 | 562 | 4578 | | 1380 | 59314 | 4604 | 9169 | 27872 | 3701 | 57437 | 38 | 6 | 831 | 4653 | | 1384 | 70476 | 0 | 10363 | 23121 | 4272 | 60421 | 79 | 21 | 1183 | 10107 | | 1385 | 67313 | 0 | 14043 | 39733 | 3799 | 57996 | 93 | 20 | 968 | 9251 | | 1386 | 61380 | 0 | 12398 | 37612 | 3814 | 55089 | 114 | 24 | 1030 | 8652 | | 1387 | 64911 | 0 | 9876 | 11151 | 4047 | 56252 | 150 | 27 | 1223 | 7170 | | ***1388*** | ***57247*** | ***0*** | ***13131*** | ***38580*** | ***3415*** | ***51231*** | ***117*** | ***30*** | ***996*** | ***7997*** | |

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| |  |  |  | | --- | --- | --- | | Year | Non-contagious diseases | | | Infectious necrotic hepatitis (gangrene) sheep and goat  (1000 head-round)(1) | Enterotoxemia sheep and goat (1000 head-round)(1) | | 1370 | 5585 | 30944 | | 1375 | 10600 | 47040 | | 1380 | 9051 | 42311 | | 1384 | 11115 | 65051 | | 1385 | 11972 | 61069 | | 1386 | 12800 | 59042 | | 1387 | 12846 | 56346 | | ***1388*** | ***10173*** | ***50370*** |   *1. Vaccines injected more than once a year.*  *2. Including horse, mule hinny and ass.*  *Sources: Veterinary Organization.*  *– Ministry of Jihad-e- Agriculture*. |

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| **16. 18. CAMPAIGNS AGAINST DISEASES COMMON AMONG MAN AND LIVESTOCK** |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Year | Eradication of bovine tuberculosis | | Control of bovine brucella of blood | | | Cows vaccinated against tuberculosis  (1000 head-round) | Reactor cow (head) | Number of samples (1000) | Reactor cow (head) | | | 1370 | 766 | 3566 | 568 | 4480 | | 1375 | 1168 | 2558 | 743 | 3607 | | 1380 | 1180 | 1626 | 904 | 3529 | | 1384 | 977 | 1103 | 723 | 2076 | | 1385 | 1259 | 637 | 789 | 1938 | | 1386 | 1331 | 1707 | 809 | 1881 | | 1387 | 1404 | 3569 | 806 | 2005 | | ***1388*** | ***1220*** | ***2733*** | ***731*** | ***901*** | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Year | Control of bovine brucella | | | | Control of rabies of vaccinated livestock | Control of glanders of mallein test (head) | | | Sheep and goat blood samples tested | | Vaccinated livestock  (1000 heads) | | | Number of samples (1000) | Reactor sheep and goat (head) | Calf | Lamb and kid | Dog | Tested horses | Reactor horse | | 1370 | 239 | 11128 | 312 | 10990 | 16 | 0 | 0 | | 1375 | 570 | 13475 | 613 | 13958 | 104 | 8479 | 5 | | 1380 | 682 | 12307 | 683 | 9911 | 161 | 15648 | 0 | | 1384 | 39 | 788 | 1947 | 21032 | 169 | 11758 | 0 | | 1385 | 47 | 2286 | 1493 | 21818 | 243 | 17503 | 2 | | 1386 | 1267 | 977 | 2394 | 28256 | 310 | 16692 | 9 | | 1387 | 33 | 588 | 2993 | 32741 | 254 | 15222 | 23 | | ***1388*** | ***27*** | ***629*** | ***2152*** | ***9227*** | ***278*** | ***15209*** | ***26*** | |
| *Sources: Veterinary Organization.* |
| *- Ministry of Jihad-e-Agriculture.* |

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| **16. 19. PREVENTION AND TREATMENT OF PARASITIC DISEASES BY VETERINARY** **CLINICS (1000 cases - 1000 sq m)** |
| |  |  |  |  | | --- | --- | --- | --- | | Year | Campaign against internal parasites | Campaign against external parasites | Livestock sprinkled (pounced) with powder | | Livestock sprayed | | 1370 | 161581 | 5534 | 21276 | | 1375 | 96579 | 5575 | 16171 | | 1380 | 83333 | 10927 | 74971 | | 1384 | 63070 | (1)23533 | 77732 | | 1385 | 59477 | (1)31124 | 119766 | | 1386 | 55932 | (1)21812 | 83856 |  | | 1387 | 51197 | (2)20387 | 52029 |  | | ***1388*** | ***47579*** | ***(2)15113*** | ***49715*** |  | |

*1. Including statistics for the livestock sprinkled (pounced) with powder and livestock dipped .*

*2. Including sprayed livestock only.*

*Sources: Veterinary Organization;*

*-Ministry of Jihad-e-Agriculture.*