

Introduction

This 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 the information on blood products produced and distributed to the medical centers. Collection of statistical information on health and medical activities was 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.

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: refers 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: refers to orthodontics, endodontics, oral and dental pathology, maxillofacial diseases, maxillofacial pathology, prosthodontics, periodontics, oral maxillofacial surgery, tooth treatment, children's tooth disorders.

Pharmacology: refers to the pharmacy, industrial pharmacy, pharmacology, pharmaceuticals, and 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 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 license, according to which it must have an official license. A licensed bed should also be considered in the rating of the hospital beds. The number of licensed 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 for 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 with a weight of fewer 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: refers to the 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 hospitals, clinics, 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, Shahr(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 24-20° 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 1398, the number of physicians and paramedics employed by the University of Medical Science was 50212 and 280821, respectively, out of whom 16316, 5221, 359, 2446, 17090, 2679, and 6101 were general practitioners, dentists, doctors of medical laboratory sciences, pharmacists, specialists, sub-specialists, and professional doctors, respectively.

In the year 1398, the number of hospitals was 1038 out of which 720 hospitals were state-run and 318 hospitals were run by the private sector, respectively.

In the year 1398, the number of hospital beds in the country was 161218 out of which 136338 were available (active) beds.

In the year 1398, the number of operating health care and medical centres, health care stations and health homes was 5915, 5586, and 17635, respectively.

In the same year, there were 5093 medical and genetic diagnostic laboratories, out of which 4976 were medical diagnostic laboratories and 117 were genetic diagnostic laboratories. In the year 1398, the total number of operating pharmacies was 12120.

In the same year 1398, there were 2609 pre-hospital emergency stations in the country, out of which 999 and 1610 stations were urban (38.3%) and road (61.7%) stations, respectively.

In the same year, a number of 2552084 blood donors visited the blood centres, and 2000406 units of blood were donated, totally.

In the year 1398, there were 2020 veterinarian pharmacies, 1173 livestock vaccination centres and 3055 private veterinarian clinics.

18.1. EMPLOYEES IN THE MEDICAL SCIENCES UNIVERSITIES BY OCCUPATION GROUP

Year and Ostan	Total	Physicians ⁽¹⁾	Paramedics	Other employees ⁽²⁾
1380.....	295325	21175	152396	121754
1385 ⁽³⁾	321544	29937	173076	118531
1390.....	361627	32493	215950	113184
1394.....	405910	42393	238869	124648
1395.....	434511	46852	262845	124814
1396.....	452386	48330	274515	129541
1397.....	450471	48806	282183	119482
1398⁽⁴⁾.....	450225	50212	280821	119192
East Azarbayejan	21684	2510	13808	5366
West Azarbayejan	14772	1532	9946	3294
Ardebil	7097	543	4841	1713
Esfahan.....	27995	3408	16750	7837
Alborz	8067	1340	5283	1444
Ilam	4936	563	3257	1116
Bushehr	7115	763	4169	2183
Tehran	48352	6942	24947	16463
Chaharmahal&Bakhtiyari	7659	825	5314	1520
South Khorasan	5784	673	3759	1352
Khorasan-e-Razavi.....	31289	3451	20085	7753
North Khorasan	6027	571	3965	1491
Khuzestan.....	30788	2972	18979	8837
Zanjan	7387	881	4548	1958
Semnan.....	4915	627	3206	1082
Sistan&Baluchestan	16501	1579	10203	4719
Fars.....	33446	3479	20762	9205
Qazvin.	7324	780	4405	2139
Qom.....	5104	562	3137	1405
Kordestan	10512	1267	7223	2022
Kerman.....	20177	2338	12889	4950
Kermanshah	14809	1440	9895	3474
Kohgiluyeh&Boyerahmad.	6249	765	3977	1507
Golestan	12406	1467	7896	3043
Gilan.....	15274	1690	9547	4037
Lorestan.....	12056	1060	8423	2573
Mazandaran.....	24311	2213	15899	6199
Markazi	9355	1063	5506	2786
Hormozgan.....	9946	832	6599	2515
Hamedan	11382	1306	7059	3017
Yazd	7506	770	4544	2192

1. Including all medicine groups such as professional doctorates 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.

4. Excluding statistics related to Khoy University.

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
1394.....	42393	15340	3700	285	1896	15679	2159	3334
1395 ⁽¹⁾	46852	15868	4145	374	2016	17452	2467	4530
1396.....	48330	16579	4270	265	1987	17725	2629	4875
1397.....	48806	16130	5222	340	2406	16530	2626	5552
1398⁽²⁾.....	50212	16316	5221	359	2446	17090	2679	6101
East Azarbayejan.....	2510	828	234	10	155	772	136	375
West Azarbayejan	1532	499	136	13	77	597	38	172
Ardebil	543	256	57	8	9	185	3	25
Esfahan.....	3408	1121	386	42	173	1246	197	243
Alborz	1340	463	120	1	90	523	71	72
Ilam	563	190	73	34	9	166	24	67
Bushehr	763	256	77	2	24	264	31	109
Tehran	6942	858	649	46	397	2765	756	1471
Chaharmahal&Bakhtiari	825	347	88	9	22	211	44	104
South Khorasan	673	207	83	0	32	249	15	87
Khorasan-e-Razavi.....	3451	1151	368	46	169	1115	188	414
North Khorasan	571	185	82	7	36	199	19	43
Khuzestan.....	2972	1075	221	19	126	1092	153	286
Zanjan	881	260	120	4	39	238	55	165
Semnan.....	627	169	55	3	15	181	51	153
Sistan&Baluchestan	1579	536	189	2	110	496	53	193
Fars.....	3479	1184	268	16	142	1241	172	456
Qazvin.	780	282	116	2	33	232	41	74
Qom	562	137	71	0	27	187	67	73
Kordestan.	1267	527	135	10	45	438	30	82
Kerman	2338	783	280	16	98	722	93	346
Kermanshah	1440	541	144	1	84	404	48	218
Kohgiluyeh&Boyerahmad ...	765	287	118	11	31	214	24	80
Golestan	1467	534	143	7	59	545	66	113
Gilan	1690	642	247	9	82	540	84	86
Lorestan	1060	413	110	8	53	357	36	83
Mazandaran	2213	1010	278	15	126	654	68	62
Markazi	1063	330	89	5	54	368	47	170
Hormozgan	832	463	65	2	21	272	4	5
Hamedan	1306	431	146	11	59	365	46	248
Yazd	770	351	73	0	49	252	19	26

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

2. Excluding statistics related to Khoy University.

Source: Ministry of Health, Treatment and Medical Education.

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
1394.....	238869	73795	414	6168	5268
1395.....	262845	83355	480	6271	5146
1396.....	274515	90544	351	6567	5388
1397.....	282183	92792	357	9456	8184
1398⁽¹⁾.....	280821	93663	324	9797	8340
East Azarbayejan.....	13808	4485	15	331	372
West Azarbayejan	9946	3355	11	275	247
Ardebil	4841	1697	1	181	151
Esfahan.....	16750	6678	30	565	555
Alborz	5283	2119	2	230	210
Ilam	3257	907	0	148	137
Bushehr	4169	922	0	151	140
Tehran	24947	10229	13	1061	991
Chaharmahal&Bakhtiyari ...	5314	1598	1	180	125
South Khorasan	3759	1273	1	145	103
Khorasan-e-Razavi.....	20085	7375	11	795	651
North Khorasan	3965	1262	2	141	114
Khuzestan.....	18979	4598	125	667	550
Zanjan	4548	1394	0	145	98
Semnan.....	3206	1334	3	103	63
Sistan&Baluchestan	10203	2298	18	412	315
Fars.....	20762	7424	11	851	647
Qazvin.	4405	1554	6	133	130
Qom	3137	1437	11	159	124
Kordestan	7223	2345	0	295	191
Kerman	12889	3661	6	315	319
Kermanshah	9895	3267	7	331	257
Kohgiluyeh&Boyerahmad...	3977	1323	0	129	97
Golestan	7896	3070	7	203	190
Gilan	9547	3376	17	285	265
Lorestan	8423	2781	2	298	303
Mazandaran	15899	5018	14	484	365
Markazi	5506	1614	1	165	149
Hormozgan	6599	1618	1	152	146
Hamedan	7059	2059	8	287	151
Yazd	4544	1592	0	180	184

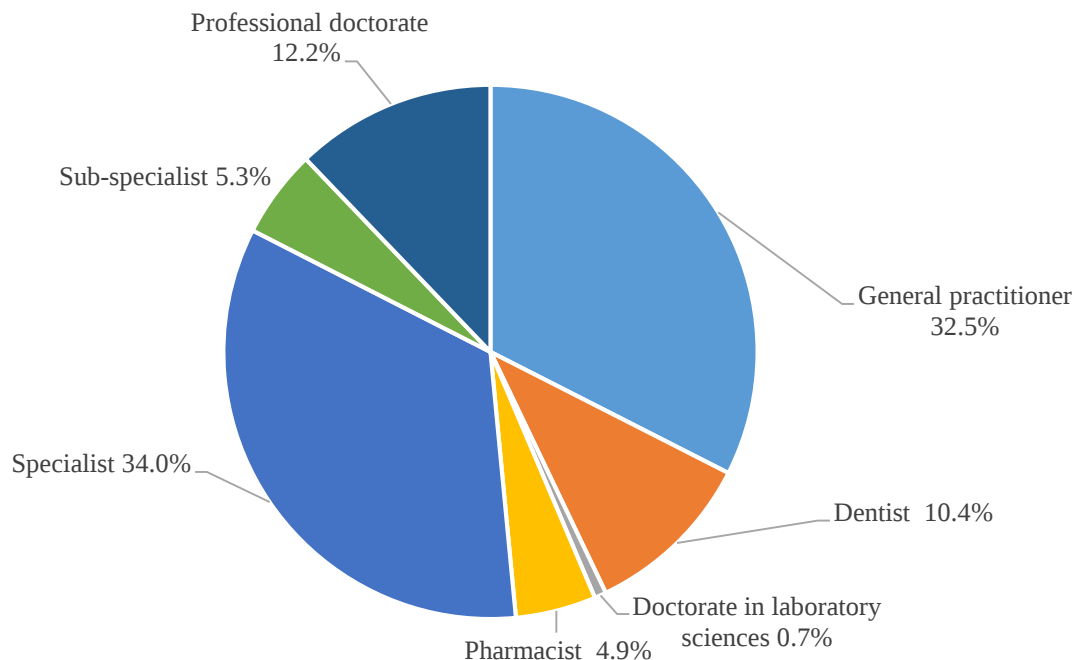
**18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD
AND TYPE OF SPECIALITY (continued)**

Year and Ostan	Health worker	Health attendant (Behvarz)	Midwife	Other paramedics
1380.....	000	000	8105	000
1385.....	000	27620	10555	000
1390.....	20007	28691	16429	81712
1394.....	10713	30131	21068	91312
1395.....	11657	30868	23753	101315
1396.....	11563	29782	26000	104320
1397.....	10302	30259	25207	105626
1398⁽¹⁾.....	9766	30090	24859	103982
East Azarbayejan	198	1787	1358	5262
West Azarbayejan	280	1400	1244	3134
Ardebil	91	837	504	1379
Esfahan.....	459	1107	1230	6126
Alborz	131	174	282	2135
Ilam	99	270	313	1383
Bushehr	397	471	433	1655
Tehran	885	493	1613	9662
Chaharmahal&Bakhtiari	153	956	541	1760
South Khorasan	81	425	254	1477
Khorasan-e-Razavi.....	299	1915	1527	7512
North Khorasan	48	569	473	1356
Khuzestan.....	1115	1684	2128	8112
Zanjan	159	666	515	1571
Semnan.....	75	212	224	1192
Sistan&Baluchestan	871	1720	1128	3441
Fars.....	1175	1881	1516	7257
Qazvin.	78	472	424	1608
Qom	89	83	242	992
Kordestan	244	1083	842	2223
Kerman	715	1482	1303	5088
Kermanshah	258	1034	711	4030
Kohgiluyeh&Boyerahmad	134	594	432	1268
Golestan	40	1141	777	2468
Gilan	185	1666	827	2926
Lorestan	52	1090	738	3159
Mazandaran	365	2048	1248	6357
Markazi	170	663	509	2235
Hormozgan	331	951	550	2850
Hamedan	418	976	596	2564
Yazd	171	240	377	1800

1. Excluding statistics for Khoy University.

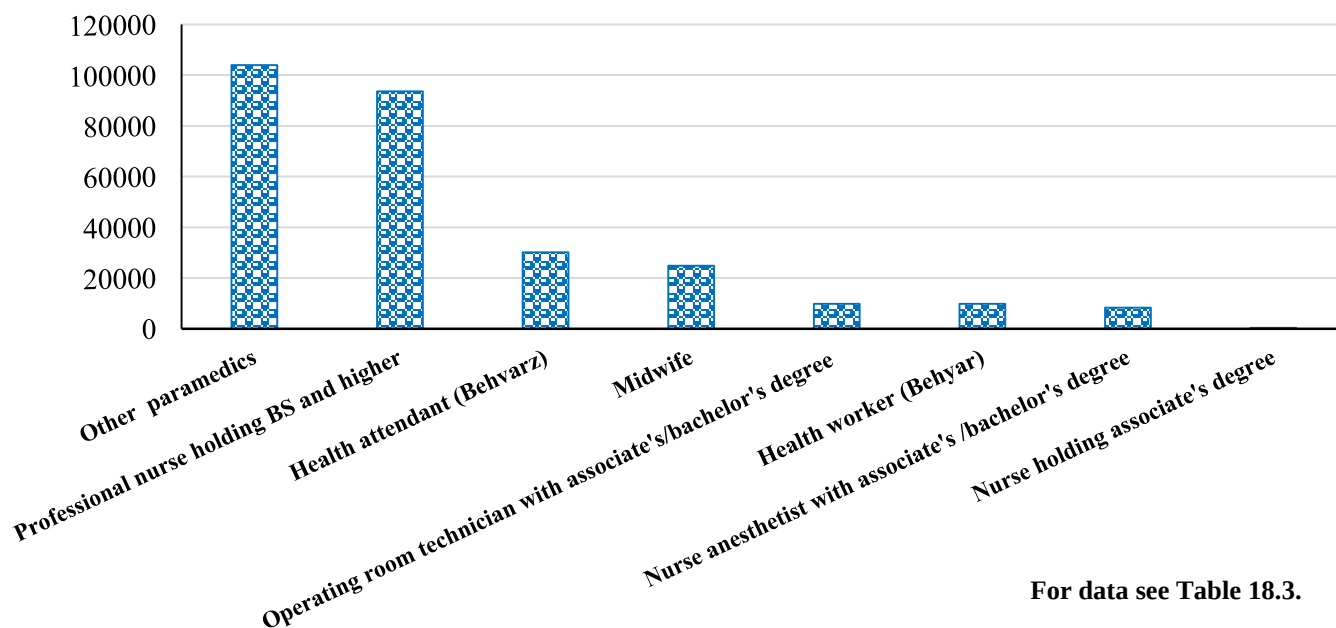
Source: Ministry of Health and Medical Education.

18.2. DISTRIBUTION OF PHYSICIANS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD OF SPECIALITY, THE YEAR: 1398



For data see Table 18.2

18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY, THE YEAR: 1398



For data see Table 18.3.

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 ⁽¹⁾	
			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
1394.....	899	148035	562	102859	93	12640
1395.....	954	157303	594	107403	97	13965
1396.....	968	161230	602	110617	95	14485
1397.....	1016	166543	629	112683	69	11533
1398.....	1038	161218	648	109444	72	9796
East Azarbayejan	46	7785	32	5848	0	0
West Azarbayejan	30	4906	22	3929	2	204
Ardebil.....	19	4485	14	3265	0	0
Esfahan.....	69	10295	47	7078	2	500
Alborz.....	18	2969	11	1760	0	0
Ilam.....	12	1235	9	1019	0	0
Bushehr	18	1778	10	1244	5	260
Tehran	182	37486	63	17352	21	4842
Chaharmahal&Bakhtiyari.....	12	1485	10	1187	0	0
South Khorasan.....	17	1702	14	1456	1	50
Khorasan-e-Razavi.....	70	8056	47	5436	4	317
North Khorasan	11	1467	9	1313	0	0
Khuzestan.....	60	9356	36	6140	11	1911
Zanjan.....	14	1986	10	1646	0	0
Semnan.....	12	1902	9	1614	0	0
Sistan&Baluchestan	28	2894	22	2528	1	0
Fars.....	78	13348	53	10474	7	518
Qazvin	15	1904	8	1166	0	0
Qom.....	10	2471	6	1739	0	0
Kordestan.....	19	3420	15	3096	1	64
Kerman	42	5570	27	3986	4	295
Kermanshah	24	3836	17	3029	3	292
Kohgiluyeh&Boyerahmad.....	11	1234	8	1070	2	82
Golestan	25	3328	16	2499	2	51
Gilan	36	4992	25	3677	1	60
Lorestan	27	2978	18	2326	1	50
Mazandaran	50	6458	32	5122	0	0
Markazi	22	2930	16	1988	0	0
Hormozgan.....	21	2312	14	1492	3	300
Hamedan	20	3283	15	2667	1	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 ⁽²⁾		Private		Charity		Other ⁽³⁾	
	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
1394	68	11976	000	000	146	16238	30	4322	000	000
1395	72	12021	000	000	159	19008	32	4906	000	000
1396	70	12394	000	000	168	18722	33	5012	000	000
1397	75	12756	32	4416	174	18703	35	5338	2	1114
1398	73	12500	25	4295	181	18936	36	5029	3	1218
East Azarbayejan..	2	407	4	476	7	888	1	166	0	0
West Azarbayejan..	1	256	0	0	4	421	1	96	0	0
Ardebil	2	222	1	148	2	120	0	0	0	730
Esfahan	3	886	4	600	9	837	4	394	0	0
Alborz	1	316	1	250	5	643	0	0	0	0
Ilam	1	60	0	000	2	156	0	000	0	000
Bushehr	3	274	0	000	0	000	0	000	0	000
Tehran	12	3279	6	2126	69	8591	11	1296	0	0
Chaharmahal & Bakhtiari	1	202	0	0	1	96	0	0	0	0
South Khorasan	2	196	0	0	0	0	0	0	0	0
Khorasan-e-Razavi	3	524	0	0	8	601	7	830	1	348
North Khorasan	1	104	1	50	0	000	0	000	0	000
Khuzestan	7	620	1	125	4	447	1	113	0	0
Zanjan	2	190	1	50	1	100	0	000	0	000
Semnan	1	128	1	96	1	64	0	0	0	0
Sistan&Baluchesta	2	256	2	110	0	0	1	0	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	544	2	175	0	0
Kermanshah	2	230	0	0	2	285	0	0	0	0
Kohgiluyeh& Boyerahmad	1	32	0	0	0	50	0	0	0	0
Golestan	1	350	0	0	6	428	0	0	0	0
Gilan	1	270	0	0	9	985	0	0	0	0
Lorestan	3	320	0	0	5	282	0	0	0	0
Mazandaran	5	436	2	96	11	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	0	50	2	150	0	0	0	0
Yazd	1	256	0	0	3	352	2	385	1	76

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

18.5. 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
1394.....	110873	8935	840	6628	4849	2405	87216
1395.....	118156	9870	894	7642	5331	2771	91648
1396.....	125566	10332	914	8212	5589	3088	97431
1397.....	138117	10247	921	8929	5930	3262	108828
1398.....	136338	10503	756	9522	5939	3300	106318
East Azarbayejan	7051	788	57	472	261	183	5290
West Azarbayejan	3805	0	0	277	176	78	3274
Ardebil	2458	201	20	109	57	36	2035
Esfahan.....	8860	723	54	550	325	184	7024
Alborz	3162	122	3	253	125	75	2584
Ilam.	912	54	8	55	52	28	715
Bushehr	1459	34	16	86	68	39	1216
Tehran	29698	3238	113	2787	1583	750	21227
Chaharmahal&Bakhtiyari....	1707	185	11	59	45	47	1360
South Khorasan.	1364	120	10	91	54	52	1037
Khorasan-e-Razavi.....	10665	994	45	724	321	298	8283
North Khorasan	1143	49	10	50	29	30	975
Khuzestan.....	7491	556	14	408	330	179	6004
Zanjan	1992	146	17	83	49	52	1645
Semnan.....	1607	52	0	133	55	33	1334
Sistan&Baluchestan	3658	148	14	165	114	86	3131
Fars.....	9057	871	81	585	402	249	6869
Qazvin	2152	70	18	161	91	38	1774
Qom.....	2149	0	4	121	66	53	1905
Kordestan.	2772	200	14	122	93	54	2289
Kerman	5357	428	42	284	250	116	4237
Kermanshah	3185	195	38	218	126	62	2546
Kohgiluyeh &Boyerahmad..	1442	108	14	53	36	27	1204
Golestan	3103	99	21	184	153	50	2596
Gilan	3763	222	6	208	167	44	3116
Lorestan	2526	112	19	197	129	87	1982
Mazandaran	5571	227	32	472	323	131	4386
Markazi	2206	86	18	143	105	33	1821
Hormozgan.....	2383	112	15	123	109	61	1963
Hamedan	3008	205	24	166	110	64	2439
Yazd	632	158	18	183	135	81	57

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	000	000	000	000	000	000	000	000	000
1390	17649	000	000	000	000	000	000	000	000	000
1394	25636	2394	2278	000	000	139	2776	17792	257	000
1395	27868	2820	2697	000	000	177	4021	17854	299	000
1396	28468	2863	2820	000	000	225	4190	18116	254	000
1397	29465	1559	2645	1059	561	324	5265	17746	214	92
1398	29424	1555	2668	1136	556	290	5296	17635	197	91
East Azarbayejan...	1619	97	148	54	27	22	225	1037	6	3
West Azarbayejan..	1343	49	106	100	11	17	197	845	10	8
Ardebil	858	24	67	44	17	1	109	586	8	2
Esfahan	1386	145	97	69	54	8	476	527	9	1
Alborz	352	48	15	10	5	11	184	79	0	0
Ilam.	341	13	28	26	14	3	50	201	4	2
Bushehr	433	27	28	31	25	1	85	219	4	13
Tehran	1404	219	62	29	28	38	748	273	4	3
Chaharmahal & Bakhtiari.....	559	37	66	25	23	4	92	307	4	1
South Khorasan	493	11	61	17	13	5	63	317	4	2
Khorasan-e-Razavi.	2364	123	224	57	41	25	449	1432	7	6
North Khorasan	457	13	53	12	5	5	43	321	5	0
Khuzestan.....	1634	114	131	65	30	16	329	923	14	12
Zanjan	659	26	65	12	12	0	82	453	9	0
Semnan.....	267	20	24	22	6	3	57	134	1	0
Sistan&Baluchestan	1439	45	169	23	34	18	138	970	38	4
Fars.....	1736	68	197	94	38	30	269	1024	13	3
Qazvin	461	30	40	9	12	9	97	259	5	0
Qom.....	195	27	9	5	0	1	94	59	0	0
Kordestan	904	37	67	43	6	0	118	630	2	1
Kerman	1400	45	137	56	20	14	209	910	8	1
Kermanshah	913	72	60	0	0	0	143	629	3	6
Kohgiluyeh& Boyerahmad	517	8	47	55	11	3	52	330	11	0
Golestan	859	21	91	34	14	20	103	572	2	2
Gilan.....	1306	20	97	62	16	4	140	963	0	4
Lorestan.....	944	35	82	33	19	4	123	648	0	0
Mazandaran.....	1776	67	202	24	28	5	184	1258	5	3
Markazi	661	29	66	35	13	2	124	390	2	0
Hormozgan.....	925	30	108	31	10	8	107	602	17	12
Hamedan	863	21	86	49	15	13	113	565	0	1
Yazd	356	34	35	10	9	0	93	172	2	1

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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
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
1394	5639	2340	305	261	000	2588	145	000
1395	5642	2269	321	280	000	2631	141	000
1396	5621	2126	341	280	000	2736	138	000
1397 ⁽⁴⁾	5359	1880	192	230	122	2683	142	20
1398	5093	1507	250	214	123	2728	146	8
East Azarbayejan	215	38	8	4	7	150	3	0
West Azarbayejan.....	75	1	0	2	0	71	0	0
Ardebil.....	59	17	0	4	6	30	1	0
Esfahan.....	368	100	10	24	4	208	14	0
Alborz.....	154	26	0	5	11	109	1	0
Ilam.....	62	35	2	1	2	18	3	0
Bushehr.....	82	49	6	6	0	21	0	0
Tehran	1061	55	51	21	33	794	59	0
Chaharmahal & Bakhtiyari.....	128	107	1	5	0	14	0	0
South Khorasan.....	38	17	3	4	0	14	0	0
Khorasan-e-Razavi	433	175	20	12	4	189	25	0
North Khorasan.....	49	31	4	3	0	11	0	0
Khuzestan	225	39	26	13	0	140	5	0
Zanjan	74	39	0	7	4	23	1	0
Semnan	36	9	2	3	3	19	0	0
Sistan&Baluchestan.....	133	99	1	5	6	21	0	0
Fars	350	92	58	8	11	161	13	0
Qazvin.....	93	34	3	9	1	43	0	0
Qom	60	7	0	4	4	31	12	0
Kordestan.....	52	15	1	2	0	33	0	0
Kerman	187	100	6	10	0	64	3	0
Kermanshah	139	74	14	6	0	44	0	0
Kohgiluyeh&Boyerahmad.....	30	6	2	4	0	18	0	0
Golestan	112	39	0	0	17	55	0	0
Gilan	148	25	5	11	0	102	0	0
Lorestan	66	17	4	5	1	38	0	0
Mazandaran	197	32	4	6	7	144	0	0
Markazi	127	72	8	9	0	38	0	0
Hormozgan	58	14	4	3	0	34	1	1
Hamedan	132	56	6	8	0	55	3	1
Yazd	150	87	1	10	2	36	2	6

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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
1380	000	000	000	000	000	000	000
1385	000	000	000	000	000	000	000
1390	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
1397 ⁽⁴⁾	14	2	0	1	72	1	0
1398	14	0	0	1	101	1	0
East Azarbayejan	0	0	0	0	5	0	0
West Azarbayejan.....	0	0	0	0	1	0	0
Ardebil	1	0	0	0	0	0	0
Esfahan.	0	0	0	0	8	0	0
Alborz	0	0	0	0	2	0	0
Ilam.	0	0	0	0	1	0	0
Bushehr.....	0	0	0	0	0	0	0
Tehran	3	0	0	0	45	0	0
Chaharmahal&Bakhtiari....	1	0	0	0	0	0	0
South Khorasan.....	0	0	0	0	0	0	0
Khorasan-e-Razavi	0	0	0	1	6	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	2	0	0	0	5	0	0
Qazvin.....	1	0	0	0	2	0	0
Qom	0	0	0	0	2	0	0
Kordestan.....	0	0	0	0	1	0	0
Kerman	2	0	0	0	2	0	0
Kermanshah	0	0	0	0	1	0	0
Kohgiluyeh&Boyerahmad..	0	0	0	0	0	0	0
Golestan	0	0	0	0	1	0	0
Gilan	0	0	0	0	5	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	1	0	0	0	2	0	0
Yazd	2	0	0	0	4	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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
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
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
1397	9453	1071	400	65	177	7557	148	35
1398	9047	391	430	70	241	7688	172	55
East Azarbayejan ...	150	2	2	0	4	137	0	5
West Azarbayejan..	198	5	3	0	4	185	1	0
Ardebil	112	2	3	0	0	107	0	0
Esfahan	606	15	44	7	25	507	8	0
Alborz	480	13	30	1	4	429	3	0
Ilam	29	3	0	0	1	25	0	0
Bushehr	101	3	8	1	0	89	0	0
Tehran	2155	47	20	18	60	1957	53	0
Chaharmahal& Bakhtiyari	131	3	17	3	7	101	0	0
South Khorasan	220	10	50	0	0	150	7	3
Khorasan-e-Razavi	786	41	66	5	0	606	26	42
North Khorasan	72	2	5	0	0	64	1	0
Khuzestan	450	13	13	5	3	413	1	2
Zanjan	93	15	0	0	12	66	0	0
Semnan	102	14	28	2	10	43	5	0
Sistan&Baluchestan	144	23	16	2	5	98	0	0
Fars	669	51	4	6	31	552	25	0
Qazvin	152	8	17	4	6	116	1	0
Qom	194	6	0	2	18	144	24	0
Kordestan	159	3	19	0	0	135	0	2
Kerman	288	17	25	5	4	227	9	1
Kermanshah	240	16	20	2	0	201	1	0
Kohgiluyeh& Boyerahmad	80	3	7	1	0	69	0	0
Golestan	149	12	0	0	14	123	0	0
Gilan	268	1	1	0	1	265	0	0
Lorestan	124	5	0	1	3	115	0	0
Mazandaran	343	26	0	1	20	296	0	0
Markazi	182	7	16	0	3	153	3	0
Hormozgan	88	0	0	0	0	88	0	0
Hamedan	183	25	7	2	4	142	3	0
Yazd	99	0	9	2	2	85	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.

18.9. NUCLEAR DIAGNOSTIC CENTRES BY TYPE OF AFFILIATION

Year and Ostan	Total	State-run		Non-public				
		Medical Science University	Other public institutions and organizations ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
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
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
1397 ⁽⁴⁾	3296	817	110	137	81	2030	99	22
1398	3158	632	126	121	75	2067	108	29
East Azarbayejan ..	92	5	0	1	1	79	0	6
West Azarbayejan ..	53	0	0	0	0	53	0	0
Ardebil	65	16	0	5	1	40	0	3
Esfahan	260	61	10	16	7	153	13	0
Alborz	106	12	2	1	1	80	10	0
Ilam	14	9	0	0	0	5	0	0
Bushehr	52	14	6	4	0	28	0	0
Tehran	785	47	37	15	14	627	37	8
Chaharmahal& Bakhtiyari	41	16	2	4	0	19	0	0
South Khorasan	9	6	0	2	0	1	0	0
Khorasan-e-Razavi	243	45	22	5	1	149	20	1
North Khorasan	28	13	0	1	2	12	0	0
Khuzestan	144	32	8	5	0	97	1	1
Zanjan	39	14	0	3	2	19	1	0
Semnan	22	8	3	1	1	9	0	0
Sistan & Baluchestan	26	9	0	3	2	12	0	0
Fars	243	76	0	7	11	137	12	0
Qazvin	57	15	2	6	0	34	0	0
Qom	49	8	0	4	3	24	10	0
Kordestan	37	16	2	4	0	15	0	0
Kerman	94	31	0	3	0	53	1	6
Kermanshah	85	26	7	4	0	48	0	0
Kohgiluyeh& Boyerahmad	21	7	4	2	0	8	0	0
Golestan	69	21	0	0	7	41	0	0
Gilan	71	0	0	0	0	71	0	0
Lorestan	46	19	0	4	3	20	0	0
Mazandaran	177	35	12	6	10	112	0	2
Markazi	55	18	0	4	6	27	0	0
Hormozgan	54	14	3	1	0	35	0	1
Hamedan	53	16	1	2	3	29	1	1
Yazd	68	23	5	8	0	30	2	0

1. 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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
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
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
1397	11253	575	112	164	148	10197	45	12
1398	12120	595	153	156	88	11011	61	56
East Azarbayejan..	610	34	2	2	0	565	1	6
West Azarbayejan..	377	37	9	1	0	329	1	0
Ardebil	156	1	1	1	3	149	1	0
Esfahan	911	12	0	3	5	891	0	0
Alborz	443	3	9	8	0	420	0	3
Ilam	79	9	1	0	1	68	0	0
Bushehr	133	9	7	9	0	108	0	0
Tehran	2833	64	29	11	22	2686	15	6
Chaharmahal& Bakhtiyari	101	2	2	0	0	97	0	0
South Khorasan....	91	14	0	1	3	73	0	0
Khorasan-e-Razavi	1062	49	7	18	3	974	8	3
North Khorasan....	85	9	1	1	0	57	17	0
Khuzestan	680	31	32	28	3	580	6	0
Zanjan	132	14	0	2	4	110	0	2
Semnan	73	3	0	0	1	68	0	1
Sistan& Baluchestan.....	228	19	4	2	0	202	0	1
Fars	812	55	9	3	1	741	3	0
Qazvin	159	10	2	2	1	144	0	0
Qom	168	6	0	1	2	153	4	2
Kordestan	176	15	0	6	3	152	0	0
Kerman	357	23	14	7	4	308	1	0
Kermanshah	298	20	5	2	0	271	0	0
Kohgiluyeh& Boyerahmad.....	92	8	2	3	2	77	0	0
Golestan	251	16	3	2	6	222	0	2
Gilan	400	26	5	1	0	359	0	9
Lorestan	215	16	0	10	6	178	1	4
Mazandaran	465	29	2	5	5	416	0	8
Markazi	179	18	3	3	5	141	0	9
Hormozgan	126	16	3	1	3	102	1	0
Hamedan	210	15	0	6	1	188	0	0
Yazd	218	12	1	17	4	182	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.

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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
1380.....	000	000	000	000	000	000	000	000
1385.....	000	000	000	000	000	000	000	000
1390.....	000	000	000	000	000	000	000	000
1394.....	4168	1180	607	270	000	1842	269	000
1395.....	4423	1207	653	297	000	1986	280	000
1396.....	4374	912	659	302	000	2205	296	000
1397.....	5265	211	319	183	168	1355	264	23
1398.....	5499	228	392	208	166	1298	269	49
East Azarbayejan	99	3	11	8	5	37	4	0
West Azarbayejan.....	180	0	19	4	10	47	3	27
Ardebil.....	187	13	0	5	1	36	0	0
Esfahan.....	339	3	20	3	8	63	29	0
Alborz.....	190	1	10	5	1	62	5	0
Ilam.....	51	8	5	2	1	13	4	0
Bushehr.....	60	11	19	9	0	7	0	0
Tehran.....	1008	3	72	7	25	290	94	0
Chaharmahal&Bakhtiyari..	48	0	4	5	3	9	1	0
South Khorasan	47	13	6	6	0	0	8	0
Khorasan-e-Razavi	421	11	34	14	8	139	34	0
North Khorasan	37	8	6	1	3	9	1	0
Khuzestan.....	311	26	39	24	3	85	8	2
Zanjan.....	193	0	0	5	7	12	0	0
Semnan.....	48	7	14	7	0	7	2	0
Sistan&Baluchestan.....	341	18	7	4	12	32	8	0
Fars.....	345	4	29	13	3	71	24	5
Qazvin	200	5	5	9	0	28	0	0
Qom.....	80	6	0	4	7	22	14	0
Kordestan	47	14	5	5	1	6	2	0
Kerman.....	199	14	12	9	3	63	11	10
Kermanshah.....	128	3	13	2	0	35	0	0
Kohgiluyeh&Boyerahmad	63	1	0	0	0	1	0	0
Golestan.....	92	13	0	7	11	28	0	0
Gilan.....	96	1	16	9	2	37	3	1
Lorestan.....	65	1	16	9	0	19	0	0
Mazandaran	218	24	4	2	24	56	1	1
Markazi	66	1	10	8	3	15	4	0
Hormozgan	109	15	14	8	0	24	3	1
Hamedan.....	102	1	1	5	9	12	3	2
Yazd	129	0	1	9	16	33	3	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 ⁽¹⁾	Social Security	Other public institutions and organizations ⁽²⁾	Private	Charity	Other ⁽³⁾
1380.....	000	000	000	000	000	000	000
1385.....	000	000	000	000	000	000	000
1390.....	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
1397.....	1090	76	82	61	1401	30	2
1398.....	1124	64	111	76	1463	38	13
East Azarbayejan.....	8	3	0	1	19	0	0
West Azarbayejan.....	8	4	0	4	51	0	3
Ardebil.....	102	0	15	1	14	0	0
Esfahan.....	30	4	0	0	171	8	0
Alborz.....	3	1	1	0	85	16	0
Ilam.....	6	0	0	0	12	0	0
Bushehr.....	0	0	0	0	14	0	0
Tehran.....	41	10	0	12	448	6	0
Chaharmahal&Bakhtiari..	15	0	0	0	11	0	0
South Khorasan	12	1	0	0	1	0	0
Khorasan-e-Razavi	47	6	1	0	125	2	0
North Khorasan	3	0	0	0	6	0	0
Khuzestan.....	32	3	3	0	86	0	0
Zanjan.....	116	0	20	11	21	1	0
Semnan.....	6	0	0	1	3	1	0
Sistan&Baluchestan.....	207	0	14	25	14	0	0
Fars.....	135	0	0	0	60	1	0
Qazvin	102	7	34	0	10	0	0
Qom.....	6	0	0	1	20	0	0
Kordestan	6	0	1	1	6	0	0
Kerman.....	30	0	0	3	44	0	0
Kermanshah.....	22	6	4	0	43	0	0
Kohgiluyeh&Boyerahmad	7	8	7	7	32	0	0
Golestan.....	10	0	1	2	19	1	0
Gilan.....	1	1	1	0	24	0	0
Lorestan.....	13	0	0	0	7	0	0
Mazandaran	94	0	0	0	12	0	0
Markazi	4	1	1	0	19	0	0
Hormozgan	15	4	1	0	23	0	1
Hamedan.....	25	4	6	7	16	2	9
Yazd	18	1	1	0	47	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
1394	2159	769	1390
1395	2270	828	1442
1396	2473	918	1555
1397	2536	967	1569
1398	2609	999	1610
East Azarbayejan	119	52	67
West Azarbayejan.....	79	33	46
Ardebil	56	26	30
Esfahan.	168	83	85
Alborz	57	30	27
Ilam.	40	12	28
Bushehr.....	52	17	35
Tehran.....	80	33	47
Chaharmahal&Bakhtiari	51	18	33
South Khorasan.....	79	19	60
Khorasan-e-Razavi	215	98	117
North Khorasan.....	35	11	24
Khuzestan	170	65	105
Zanjan	58	20	38
Semnan	48	13	35
Sistan&Baluchestan.....	154	36	118
Fars	200	77	123
Qazvin.....	43	14	29
Qom	40	22	18
Kordestan.....	57	22	35
Kerman	164	49	115
Kermanshah	62	28	34
Kohgiluyeh&Boyerahmad.....	44	17	27
Golestan	57	23	34
Gilan	62	25	37
Lorestan	68	28	40
Mazandaran	91	35	56
Markazi	63	23	40
Hormozgan	80	21	59
Hamedan	61	24	37
Yazd	56	25	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 1398 (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
Total country	1948709	1795180	1080098	1892005	638345	963238
East Azarbayejan.....	83475	80983	47530	80708	34261	47311
West Azarbayejan	64675	60142	26937	53544	17852	26862
Ardebil	35350	34692	10618	18710	10580	10250
Esfahan.....	122285	110467	57192	114605	46116	58158
Alborz	56781	54443	12673	45952	13331	9871
Ilam	13154	11730	4127	11300	2977	3584
Bushehr	29493	21049	11388	27005	7726	10087
Tehran	296060	293661	258474	380968	155096	253345
Chaharmahal&Bakhtiari ...	20491	19102	10412	17189	11972	9734
South Khorasan	19079	18330	7506	10425	4962	6541
Khorasan-e-Razavi.....	138478	125602	89478	133600	47238	82131
North Khorasan	18766	17984	7173	8324	6045	5229
Khuzestan.....	104267	94508	54388	124619	32429	46475
Zanjan	22765	21850	9891	18684	6825	8160
Semnan.....	29219	28138	19425	16890	7859	6418
Sistan&Baluchestan	60406	56187	25266	104478	18017	16352
Fars.....	148997	122534	95940	147884	52909	86453
Qazvin	37786	34363	18397	22547	6246	16787
Qom	38182	34315	15131	26659	8413	13566
Kordestan	25431	23333	12520	20852	8133	10438
Kerman	67192	64070	36851	61171	19658	33710
Kermanshah	44068	41871	34129	40396	15476	29979
Kohgiluyeh&Boyerahmad.....	16776	14398	7217	14436	3815	4009
Golestan	47985	43064	26909	45050	13048	22688
Gilan.....	77914	73936	25229	69900	14043	19859
Lorestan.....	37052	35334	11246	26003	8102	8417
Mazandaran.....	127116	105051	55547	108115	19060	36808
Markazi	39589	38171	21009	25148	9956	19525
Hormozgan.....	54772	50828	18051	54457	10613	15878
Hamedan	33773	31036	28964	29140	14419	26134
Yazd	37332	34008	20480	33246	11168	18479

Source: Iranian Blood Transfusion Organization (IBTO).

18.14. DONORS AND AMOUNT OF DONATED BLOODS BY GENDER AND DONATION STATUS, THE YEAR 1398
(unit)

Ostan	Number of donors	Total amount of blood donation			Total blood donation by donation status		
		Both sexes	Male	Female	Frequent	Infrequent	First time
Total country	2552084	2000406	1914681	85725	1187246	575794	237366
East Azarbayejan.....	111967	85268	83151	2117	48365	25865	11038
West Azarbayejan	81124	70461	68090	2371	39506	20836	10119
Ardebil	45133	36199	34185	2014	24204	9450	2545
Esfahan.....	158909	124759	120861	3898	76494	32242	16023
Alborz.....	72230	59080	56184	2896	29812	15955	13313
Ilam	17856	13357	12725	632	9046	4086	225
Bushehr	41222	30472	29175	1297	21953	7937	582
Tehran	378858	304723	292429	12294	148997	101680	54046
Chaharmahal&Bakhtiari ..	27868	24148	23154	994	13256	7660	3232
South Khorasan	27748	20465	19216	1249	15048	5226	191
Khorasan-e-Razavi	186167	140914	133166	7748	79013	39010	22891
North Khorasan	25393	19150	17919	1231	13103	4765	1282
Khuzestan.....	145103	106780	104687	2093	63653	29816	13311
Zanjan.....	28011	23117	21619	1498	12995	6523	3599
Semnan.....	38877	30399	28838	1561	23846	5797	756
Sistan&Baluchestan	78710	61362	57144	4218	40401	15358	5603
Fars.....	211916	152016	145020	6996	88189	45768	18059
Qazvin	51204	38081	35731	2350	22997	10155	4929
Qom	47157	39022	37604	1418	23888	10313	4821
Kordestan	35250	25967	24170	1797	17501	8014	452
Kerman	90228	68934	65523	3411	42324	19535	7075
Kermanshah	59717	45035	42502	2533	24254	15786	4995
Kohgiluyeh&Boyerahmad .	22412	17413	16824	589	11374	5083	956
Golestan	61076	48486	45951	2535	32651	12715	3120
Gilan.....	93221	79679	76760	2919	45443	23140	11096
Lorestan.....	50697	37655	34646	3009	25066	11723	866
Mazandaran.....	153789	129168	125693	3475	89152	35611	4405
Markazi	48932	40900	37994	2906	23419	12008	5473
Hormozgan.....	65336	55400	53467	1933	32106	12799	10495
Hamedan	46803	34276	33463	813	23170	11105	1
Yazd	49170	37720	36790	930	26020	9833	1867

Source: Iran Blood Transfusion Organization.

**18.15. NUMBER OF THE EMPLOYED ⁽¹⁾ IN THE GOVERNMENTAL VETERINARY SECTOR
BY OCCUPATIONAL FIELD, THE YEAR 1398**

Description	Grand total	Veterinarian	Occupational fields ⁽²⁾ by expertise		Veterinarian with associate's degree	Veterinary technician	Other occupational fields
			Technical expert	Non-technical expert			
Total country	6091	1950	1350	883	1086	38	784
Central Organization	291	104	37	91	0	4	55
East Azarbayejan.....	279	93	65	37	55	0	29
West Azarbayejan	234	92	47	23	13	1	58
Ardebil	174	56	47	26	28	2	15
Esfahan.....	297	76	45	34	86	1	55
Alborz	117	57	21	13	11	1	14
Ilam	145	35	45	20	22	0	23
Bushehr	166	39	54	23	32	0	18
Tehran	238	118	50	23	22	0	25
Chaharmahal&Bakhtiari...	138	49	37	17	20	2	13
South Khorasan	161	40	48	21	39	1	12
Khorasan-e-Razavi.....	354	143	43	57	58	0	53
North Khorasan	128	31	26	26	28	0	17
Khuzestan.....	279	76	46	37	72	4	44
Zanjan	115	30	20	24	23	3	15
Semnan.....	130	44	22	30	17	5	12
Sistan&Baluchestan	185	47	68	22	30	1	17
Fars.....	296	113	49	27	65	1	41
Qazvin	132	40	35	22	17	2	16
Qom	93	28	18	22	13	0	12
Kordestan	158	47	41	19	29	0	22
Kerman	334	105	70	22	113	1	23
Kermanshah	167	45	21	30	37	2	32
Kohgiluyeh&Boyerahmad	117	34	26	21	15	2	19
Golestan	179	51	59	31	30	0	8
Gilan.....	174	57	42	23	31	0	21
Lorestan.....	170	38	54	25	29	1	23
Mazandaran.....	307	106	82	34	63	4	18
Markazi	143	45	32	29	9	0	28
Hormozgan.....	134	36	43	19	24	0	12
Hamedan	148	45	31	20	37	0	15
Yazd	108	30	26	15	18	0	19

1. Excluding people working for Higher Education Centres.

2. Including experts and senior experts.

Sources: Iran Veterinary Organization.

18.16. OPERATING MEDICAL CENTRES IN THE PRIVATE VETERINARY SECTOR, THE YEAR 1398

Ostan	Veterinary pharmacy	Livestock vaccination centres	Veterinary clinic	Hospital	Veterinary lab
Total country	2020	1173	3055	94	253
East Azarbayejan.....	173	74	197	0	16
West Azarbayejan	166	116	212	18	19
Ardebil	63	35	80	0	4
Esfahan.....	116	60	177	3	24
Alborz	27	11	82	4	11
Ilam	31	20	20	1	3
Bushehr	11	3	29	0	3
Tehran	83	28	334	26	28
Chaharmahal&Bakhtiyari ...	47	22	56	0	3
South Khorasan	22	25	41	0	2
Khorasan-e-Razavi.....	125	98	232	9	25
North Khorasan	20	16	23	2	0
Khuzestan.....	68	50	126	0	7
Zanjan	22	11	42	0	1
Semnan.....	26	22	33	1	7
Sistan&Baluchestan	23	23	27	0	1
Fars.....	144	99	214	8	18
Qazvin	31	10	57	1	4
Qom	18	14	33	1	2
Kordestan	34	26	76	1	11
Kerman	75	61	84	0	5
Kermanshah	70	60	78	1	4
Kohgiluyeh&Boyerahmad ..	27	23	185	0	1
Golestan	96	30	97	8	14
Gilan.....	72	50	93	2	5
Lorestan.....	74	39	58	0	2
Mazandaran.....	215	78	195	8	23
Markazi	40	23	70	0	4
Hormozgan.....	13	13	24	0	0
Hamedan	48	21	50	0	4
Yazd	40	12	30	0	2

Sources: Iran Veterinary Organization.