

# 18

# Health and Treatment





**T**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 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 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.

### *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, pharmacists, physicians with PhD in laboratory science, PhD., specialist, and sub-specialist.

Because of the diversified fields of medical specialities, data related to some specialities

have been included under certain general titles in Table two. Specialities included in each title are as follows:

**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, pharmaceutics, pharmacognosy.

**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.

**Fixed bed:** refers to the bed in the hospital which was considered for that hospital at the time of the approval of the project for building the hospital or its development.

**Operating bed:** refers to the bed in hospital having the diagnostic, medical, logistic, service, and personel facilities and is ready for hospitalizing the sick.

**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,

with round- the- clock activity and is divided into general and special hospital.

**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 unit:** a unit located in rural areas with more than six thousand population and in all urban areas which covers about 12500 persons. The personnel working in the health care units include: midwife, male and female health associate, and service men.

**Maternity facilities:** refers to a unit located in a rural area near to the health care and medical centre in which at least three associate midwives, three cleanworkers and an ambulance driver who helps the pregnant women to have a natural childbirth and transfers the complex cases of childbirths to the nearest hospital.

**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 parent 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 indigenoussness (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.

**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 the year 1376.

**Diagnostic nuclear treatment institutions:** 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.

**Donors:** refer to people who go to blood transfusion station and centres for blood donation

**Whole blood donation:** refers to a process in which the volunteers for blood donation, if eligible (based on scientific criteria) for blood donation and their blood is not harmful for recipient, their blood is taken and kept in the CDP or CPDA-1 bag.

**Frequent blood donor:** refers to a blood donor that the time interval between his /her blood donations is less than 12 months.

**Infrequent blood donor:** a blood donor who donates blood in a time interval of more than 12 months.

**First time blood donor:** refers to a person who successfully donates blood for the first time in the blood centre and does not have any blood donation transfusion.

**Packed Red Cells (PRC):** after separating of 200 to 250 ml of plasma from the blood, the RBC is produced and kept between 1 to 6 °C.

**Fresh Frozen Plasma (FFP):** refers to the plasma which is produced directly from the blood or by PRP secondary centrifuge and is immediately frozen. The plasma contains water protein (7%) and carbohydrate (3%), and fat. The volume of a unit of plasma resulted from a whole blood is usually between 200 to 250 ml and this plasma based on the type of coagulation material should be packed and frozen after 6 to 8 hours after blood donation.

**Platelets concentrate:** Platelets from the whole blood are prepared by two stage centrifuge. The platelets units should be at least  $5.5 \times 10^{10}$  in the enough amount of plasma (usually 45 to 70 ml). these units can be used individually or in pooled condition (4 to 6 ones) and be sent for the receiver as a single platelet dose.

### *Selected information*

In the year 1393, the number of physicians and paramedics employed by the University of Medical Science was 42108, and 233668, respectively, out of which 15304, 3714, 285, 1817, 15625, 2167, and 3196 were general practitioners, dentists, physicians with PhD in laboratory science, pharmacists, specialist, sub-specialist, and professional doctorate, respectively.

In the year 1393, the number of hospitals was 895 out of which 721 hospitals (80.6 percent) were state-run and 174 hospitals (19.4 percent) were run by the private sector.

In the year 1393, the number of beds in the hospitals was 144901 beds out of which 110485 (76.25percent) were operating.

In the year 1393, the per capita of operating beds to 1000 people was 1.42 bed.

In this year, the per Capital of Operating hospitals is in the Country to 100000 People was 1.15 hospitals.

In the year 1393, the number of operating health care and medical centre, health care station and health home was 4657, 2401, and 17644, respectively.

In the year 1393, there were 5481 medical diagnosis laboratories, 10069 operating pharmacies, and 2022 Emergency centres in the country.

In the year 1393, about 2560475 blood donors visited the blood centres. In the same year, totally 2071031 blood packs were donated out of which 95.6 percent were belonged to males and 4.4 percent went to female.

In the year 1393, there were a number of 1751 veterinarian pharmacies, 1024 livestock vaccination centre and 777 private veterinarian clinics

### 18.1. EMPLOYED POPULATION IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY OCCUPATION GROUP

Year and Ostan	Total	Physicians <sup>(1)</sup>	Paramedics	Other employees <sup>(2)</sup>
1375.....	269894	19585	149380	100929
1380.....	295325	21175	152396	121754
1385.....	321544	29937	173076	118531
1389.....	000	30302	188910	83467
1390.....	361627	32493	215950	113184
1391.....	350394	34219	203993	112182
1392 <sup>(3)</sup> .....	385667	37490	217603	130574
<b>1393.....</b>	<b>413550</b>	<b>42108</b>	<b>233668</b>	<b>137774</b>
East Azarbayejan.....	34049	2362	12589	19098
West Azarbayejan .....	15783	1541	10105	4137
Ardebil .....	6868	508	4403	1957
Esfahan.....	26783	3103	15622	8058
Alborz .....	5148	871	2487	1790
Ilam .....	4817	447	2984	1386
Bushehr .....	6670	644	3713	2313
Tehran .....	46287	6018	21987	18282
Chaharmahal&Bakhtiyari.....	6952	590	4261	2101
South Khorasan .....	4753	508	2895	1350
Khorasan-e-Razavi.....	28525	3008	16984	8533
North Khorasan .....	5281	556	3333	1392
Khuzestan.....	22765	2409	13270	7086
Zanjan .....	7021	718	4002	2301
Semnan.....	5142	662	2472	2008
Sistan&Baluchestan .....	13588	1002	7923	4663
Fars.....	29296	2644	17512	9140
Qazvin .....	5858	985	2907	1966
Qom.....	4837	490	2736	1611
Kordestan .....	8588	785	5822	1981
Kerman.....	17472	1684	10335	5453
Kermanshah .....	11386	1049	7315	3022
Kohgiluyeh&Boyerahmad .....	5616	430	3501	1685
Golestan .....	10743	1203	6803	2737
Gilan.....	15467	2098	8827	4542
Lorestan.....	13146	729	5775	6642
Mazandaran.....	17890	2374	13816	1700
Markazi .....	7920	691	4552	2677
Hormozgan.....	5129	0	2926	2203
Hamedan .....	11937	1137	7517	3283
Yazd .....	7833	862	4294	2677

1. Including foreign physicians, dentists, pharmacists and veterinarians, excluding the year 1388.

2. Including all staffs not included in physicians and paramedics groups whether logistic, service or.... .

3. Excluding Ilam Ostan.

Source: Ministry of Health and Medical Education.

## 18.2. PHYSICIANS<sup>(1)</sup> EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD AND TYPE OF SPECIALITY

Year and Ostan	Grand total	General practitioner	Dentist	Ph.D. in Laboratory science	Pharmacist	Specialist	Sub-specialist	Professional doctorate
1375.....	000	9057	1748	000	1179	7423	000	000
1380.....	21175	8568	1945	000	1069	9066	000	000
1385.....	29937	13485	2786	000	1327	12258	000	000
1389.....	000	000	000	000	000	12298	000	000
1390.....	32493	14901	3625	000	1731	000	000	000
1391.....	34219	14639	2988	000	1317	15275	000	000
1392 <sup>(2)</sup> .....	37490	14679	3332	000	1635	17844	000	000
<b>1393.....</b>	<b>42108</b>	<b>15304</b>	<b>3714</b>	<b>285</b>	<b>1817</b>	<b>15625</b>	<b>2167</b>	<b>3196</b>
East Azarbayejan.....	2362	697	209	27	71	1057	108	193
West Azarbayejan.....	1541	658	144	22	55	518	46	98
Ardebil.....	508	266	40	3	14	158	5	22
Esfahan.....	3103	1132	335	29	142	1093	140	232
Alborz.....	871	244	60	10	44	407	88	18
Ilam.....	447	197	53	4	22	125	17	29
Bushehr.....	644	254	92	2	25	202	21	48
Tehran.....	6018	1076	387	54	337	2791	591	782
Chaharmahal& Bakhtiyari.....	590	335	49	2	15	185	4	0
South Khorasan.....	508	175	49	0	37	203	11	33
Khorasan-e-Razavi.....	3008	1122	174	12	168	1168	147	217
North Khorasan.....	556	266	47	9	33	158	13	30
Khuzestan.....	2409	967	131	13	97	939	87	175
Zanjan.....	718	224	73	8	32	240	34	107
Semnan.....	662	222	43	2	22	272	26	75
Sistan&Baluchestan.....	1002	492	85	2	34	289	30	70
Fars.....	2644	984	231	15	134	840	154	286
Qazvin.....	985	210	104	8	23	545	43	52
Qom.....	490	134	24	1	20	237	44	30
Kordestan.....	785	336	94	3	25	241	37	49
Kerman.....	1684	727	233	11	59	435	67	152
Kermanshah.....	1049	467	87	2	40	326	38	89
Kohgiluyeh& Boyerahmad.....	430	198	42	0	7	183	0	0
Golestan.....	1203	521	79	5	39	506	41	12
Gilan.....	2098	1001	193	3	48	716	137	0
Lorestan.....	729	393	49	3	16	201	14	53
Mazandaran.....	2374	938	269	17	141	709	137	163
Markazi.....	691	315	67	5	39	259	5	1
Hormozgan.....	000	000	000	000	000	000	000	000
Hamedan.....	1137	453	155	7	45	344	33	100
Yazd.....	862	300	116	6	33	278	49	80

1. Including foreign physicians, excluding the year 1389.

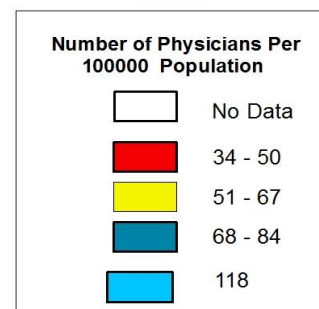
2. Excluding Ilam Ostan.

Source: Ministry of Health, Treatment and Medical Education.

### 18.1 NUMBER OF PHYSICIANS PER 100000 POPULATION ,THE YEAR 1393



1. Hormozgan Ostan lacks the information.
2. For calculation of the number of physicians per 100000 population, the estimate of the population made by the Statistical Centre of Iran was used.



For data see Tables 18.2 and 3.2.

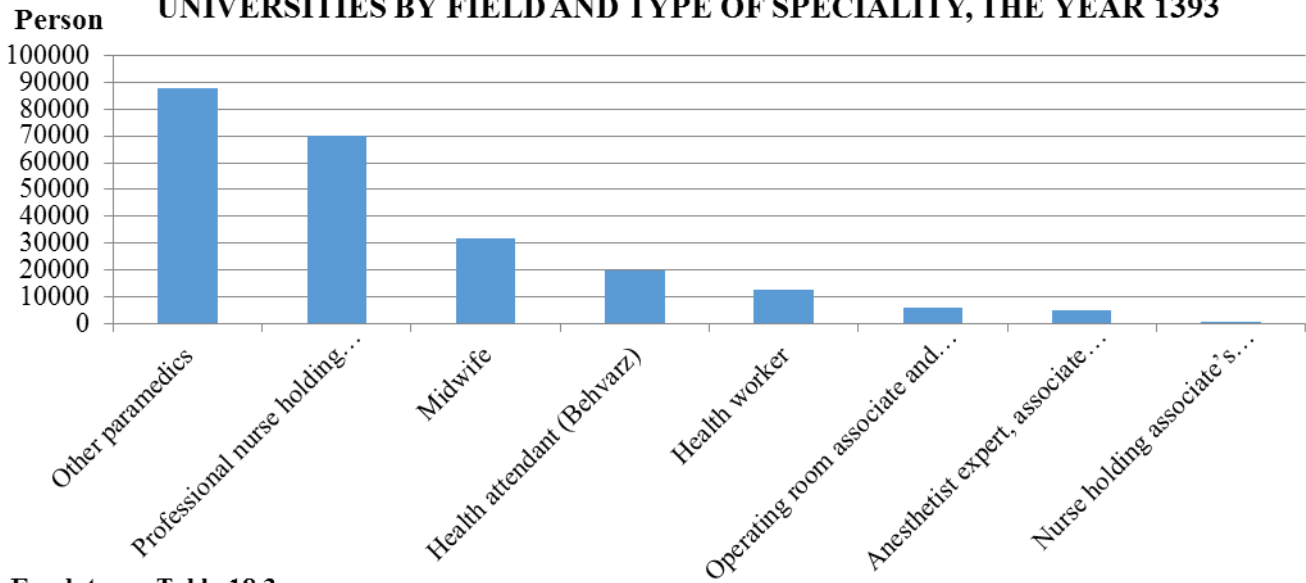


### 18.3. PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY

Year and Ostan	Grand total	Professional nurse holding B.S. or higher degree	Nurse holding associate's degree	Operating room associate and technician	Anesthetist expert, associate and technician	Health worker	Health attendant (Behvarz)	Midwife	Other paramedics
1375 .....	149380	000	000	2900	000	000	23361	6590	000
1380 .....	152394	000	000	2945	000	000	000	8105	000
1385 .....	173076	000	000	3671	000	000	27620	10555	000
1389 .....	188910	000	000	4719	000	000	25824	14162	000
1390 .....	215950	59490	000	5226	4395	20007	28691	16429	81712
1391 .....	203993	59295	468	5502	4478	14238	29528	17034	73450
1392 .....	217603	65878	495	5395	4320	11912	29291	17979	82333
<b>1393 .....</b>	<b>233668</b>	<b>69931</b>	<b>469</b>	<b>6171</b>	<b>5028</b>	<b>12776</b>	<b>19921</b>	<b>31783</b>	<b>87589</b>
East Azarbayejan ..	12589	3135	30	183	170	274	1178	1617	6002
West Azarbayejan ..	10105	2868	17	208	200	480	1105	1794	3433
Ardebil .....	4403	1446	4	121	117	221	364	865	1265
Esfahan .....	15622	5593	55	365	302	1317	1261	1280	5449
Alborz .....	2487	1310	7	105	112	81	421	150	301
Ilam .....	2984	634	0	134	124	152	284	142	1514
Bushehr .....	3713	726	1	53	37	405	391	481	1619
Tehran .....	21987	8559	44	766	714	1637	1584	651	8032
Chaharmahal& Bakhtiari .....	4261	1274	0	92	63	207	392	632	1601
South Khorasan .....	2895	781	3	53	38	139	154	511	1216
Khorasan-e- Razavi .....	16984	5691	22	404	306	501	1469	2150	6441
North Khorasan .....	3333	977	7	108	92	75	323	703	1048
Khuzestan .....	13270	3225	7	351	266	1404	1516	1610	4891
Zanjan .....	4002	1181	8	113	61	246	404	718	1271
Semnan .....	2472	1003	7	134	94	106	216	255	657
Sistan& Baluchestan .....	7923	1749	0	226	190	728	534	1741	2755
Fars .....	17512	5714	31	680	528	1151	1187	1836	6385
Qazvin .....	2907	940	96	82	53	111	262	543	820
Qom .....	2736	1045	10	61	56	136	247	96	1085
Kordestan .....	5822	1281	11	105	78	322	607	1168	2250
Kerman .....	10335	2826	9	214	205	792	875	1621	3793
Kermanshah .....	7315	2039	12	216	88	211	536	1156	3057
Kohgiluyeh& Boyerahmad .....	3501	661	0	57	51	112	138	352	2130
Golestan .....	6803	2177	3	117	94	70	691	1312	2339
Gilan .....	8827	1712	30	130	129	230	329	1880	4387
Lorestan .....	5775	1671	0	255	209	68	516	1039	2017
Mazandaran .....	13816	4446	41	308	229	277	1217	2320	4978
Markazi .....	4552	1274	2	124	125	159	443	772	1653
Hormozgan .....	2926	1071	6	84	66	365	394	940	0
Hamedan .....	7517	1701	6	171	95	537	572	1141	3294
Yazd .....	4294	1221	0	151	136	262	311	307	1906

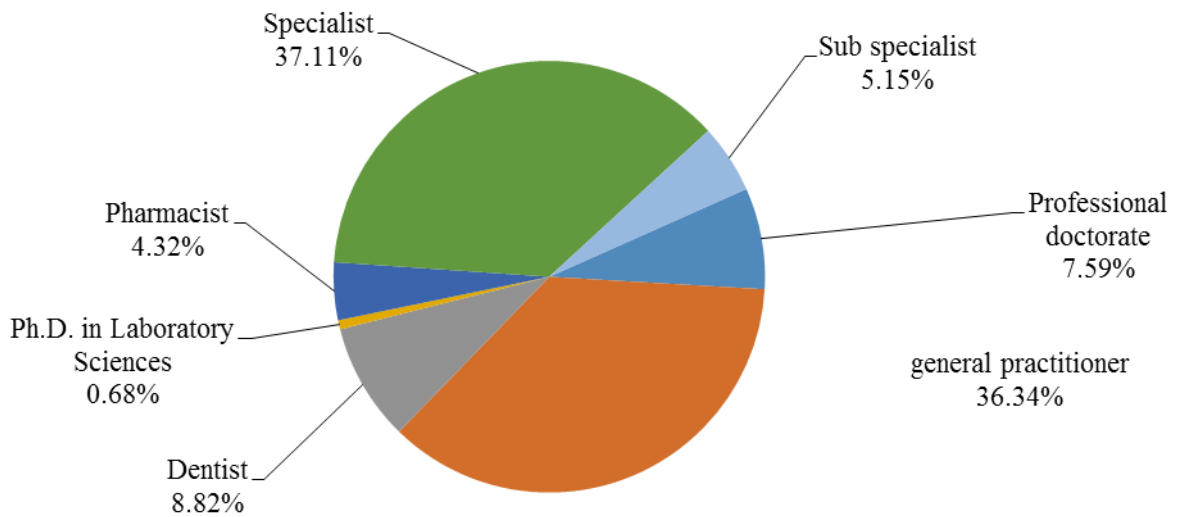
Source: Ministry of Health and Medical Educations

**18.2.PARAMEDICS EMPLOYED IN THE MEDICAL SCIENCES UNIVERSITIES BY FIELD AND TYPE OF SPECIALITY, THE YEAR 1393**



For data see Table 18.3.

**18.3.DISTRIBUTION OF PHYSICIANS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD OF SPECIALITY, THE YEAR 1393**



For data see Table 18.2.

**18.4. NUMBER OF OPERATING HOSPITALS AND FIXED BEDS BY TYPE OF AFFILIATION**

Year and Ostan	Grand total		Public					
			Medical Science University		Social Security		Other public institutions and organizations	
	Operating hospitals	Fixed beds	Operating hospitals	Fixed beds	Operating hospitals	Fixed beds	Operating hospitals	Fixed beds
1375 .....	000	000	000	000	000	000	000	000
1380 .....	000	000	000	000	000	000	000	000
1385 .....	000	000	000	000	000	000	000	000
1389 .....	000	000	000	000	000	000	000	000
1390 .....	000	000	000	000	000	000	000	000
1391 .....	000	000	000	000	000	000	000	000
1392 .....	000	000	000	000	000	000	000	000
<b>1393 .....</b>	<b>895</b>	<b>144901</b>	<b>555</b>	<b>100701</b>	<b>70</b>	<b>11804</b>	<b>96</b>	<b>12480</b>
East Azarbayejan .....	46	7910	32	6067	2	406	5	474
West Azarbayejan .....	30	5189	24	4404	1	256	2	204
Ardebil .....	15	2530	10	2016	2	234	1	128
Esfahan .....	63	9461	42	6703	4	993	7	904
Alborz .....	16	2416	10	1306	1	316	000	000
Ilam .....	9	998	9	998	000	000	000	000
Bushehr .....	14	1461	9	1097	3	264	2	100
Tehran .....	162	32700	50	15419	12	3178	32	6023
Chaharmahal&Bakhtiyari ...	9	1451	8	1259	1	192	0	0
South Khorasan .....	9	829	7	761	1	36	1	32
Khorasan-e-Razavi .....	56	12108	35	9226	3	539	5	566
North Khorasan .....	11	1083	9	931	1	102	1	50
Khuzestan .....	49	7642	28	5039	4	372	12	1632
Zanjan .....	13	2547	9	2109	2	255	1	83
Semnan .....	11	2034	9	1701	1	128	1	141
Sistan&Baluchestan .....	18	989	15	939	2	000	1	000
Fars .....	63	12126	47	9980	1	300	3	454
Qazvin .....	14	2153	7	1267	2	345	0	000
Qom .....	10	2112	6	1495	1	120	1	64
Kordestan .....	17	2252	12	1892	2	210	2	100
Kerman .....	29	4541	18	3204	3	570	3	410
Kermanshah .....	23	3257	17	2514	2	230	2	228
Kohgiluyeh&Boyerahmad..	9	775	5	611	1	32	2	82
Golestan .....	25	2821	17	2077	2	350	1	50
Gilan .....	31	4845	22	3760	1	270	1	60
Lorestan .....	22	2692	14	2010	3	320	1	50
Mazandaran .....	42	5499	30	4476	5	440	1	35
Markazi .....	19	2193	14	1562	3	374	0	000
Hormozgan .....	20	2204	13	1466	1	300	4	264
Hamedan .....	21	3198	15	2582	2	416	2	50
Yazd .....	19	2885	12	1830	1	256	2	296

### 18.4. NUMBER OF OPERATING HOSPITALS AND FIXED BEDS BY TYPE OF AFFILIATION (CONTINUED)

Year and Ostan	Non-public			
	Charity		Private	
	Operating hospitals	Fixed beds	Operating hospitals	Fixed beds
1375 .....	000	000	000	000
1380 .....	000	000	000	000
1385 .....	000	000	000	000
1389 .....	000	000	000	000
1390 .....	000	000	000	000
1391 .....	000	000	000	000
1392 .....	000	000	000	000
<b>1393 .....</b>	<b>28</b>	<b>4168</b>	<b>146</b>	<b>15748</b>
East Azarbayejan .....	1	160	6	803
West Azarbayejan .....	0	0	3	325
Ardebil .....	0	0	2	152
Esfahan .....	3	306	7	555
Alborz .....	0	0	5	794
Ilam .....	0	0	0	0
Bushehr .....	0	0	0	0
Tehran .....	9	973	59	7107
Chaharmahal&Bakhtiyari .....	0	0	0	0
South Khorasan .....	0	0	0	0
Khorasan-e-Razavi .....	8	1273	5	504
North Khorasan .....	0	0	0	0
Khuzestan .....	1	105	4	494
Zanjan .....	0	0	1	100
Semnan .....	0	0	0	64
Sistan&Baluchestan .....	0	50	0	0
Fars .....	0	430	12	962
Qazvin .....	1	100	4	441
Qom .....	2	433	0	0
Kordestan .....	0	0	1	50
Kerman .....	1	125	4	232
Kermanshah .....	0	0	2	285
Kohgiluyeh&Boyerahmad .....	0	0	1	50
Golestan .....	0	0	5	344
Gilan .....	0	0	7	755
Lorestan .....	0	0	4	312
Mazandaran .....	0	0	6	548
Markazi .....	0	0	2	257
Hormozgan .....	0	0	2	174
Hamedan .....	1	50	1	100
Yazd .....	1	163	3	340

Source: Ministry of Health and Medical Education

**18.5. NUMBER OF OPERATING BEDS IN HOSPITAL WARDS**

Year and Ostan	Total	Psychological	Burn	Intensive care unit (ICU)	Coronary care unit (CCU)	Neonatal intensive care unit (NICU)	Other
1375 .....	000	000	000	000	000	000	000
1380 .....	000	000	000	000	000	000	000
1385 .....	000	000	000	000	000	000	000
1389 .....	000	000	000	000	000	000	000
1390 .....	000	000	000	000	000	000	000
1391 .....	000	000	000	000	000	000	000
1392 .....	000	000	000	000	000	000	000
<b>1393 .....</b>	<b>110485</b>	<b>10299</b>	<b>887</b>	<b>6374</b>	<b>4887</b>	<b>2169</b>	<b>85869</b>
East Azarbayejan .....	5350	542	50	301	179	102	4176
West Azarbayejan .....	3809	131	29	210	149	56	3234
Ardebil .....	1721	181	10	94	51	22	1363
Esfahan .....	7206	766	56	349	280	114	5641
Alborz .....	1861	8	11	173	107	38	1524
Ilam .....	239	15	0	2	8	0	214
Bushehr .....	1097	50	24	58	48	16	901
Tehran .....	28089	4221	125	2037	1301	601	19804
Chaharmahal&Bakhtiari .....	1082	169	10	38	41	26	798
South Khorasan .....	895	55	12	43	38	27	720
Khorasan-e-Razavi .....	8484	937	72	470	270	265	6470
North Khorasan .....	1149	22	0	40	41	36	1010
Khuzestan .....	6555	506	90	351	342	88	5178
Zanjan .....	1461	102	17	67	42	30	1203
Semnan .....	709	33	0	78	53	16	529
Sistan&Baluchestan .....	1823	126	17	104	73	46	1457
Fars .....	5782	690	47	288	287	119	4351
Qazvin .....	1704	69	18	83	86	19	1429
Qom .....	1504	60	16	93	68	26	1241
Kordestan .....	2001	115	14	75	83	25	1689
Kerman .....	3623	288	48	180	202	59	2846
Kermanshah .....	2761	132	34	160	94	52	2289
Kohgiluyeh&Boyerahmad .....	809	115	14	23	20	17	620
Golestan .....	2234	84	14	103	113	47	1873
Gilan .....	3219	222	21	113	135	25	2703
Lorestan .....	2066	103	22	106	114	45	1676
Mazandaran .....	4576	148	34	302	236	99	3757
Markazi .....	2049	33	23	87	96	24	1786
Hormozgan .....	1858	67	15	91	113	41	1531
Hamedan .....	2245	170	26	127	81	33	1808
Yazd .....	2524	139	18	128	136	55	2048

Source: Ministry of Health and Medical Education

**18.6. ESTABLISHMENTS OFFERING PRIMARY HEALTH CARE**

Year and Ostan	Health and medical centres			Health care station			Maternity facilities	Operating health homes
	Total	Urban	Rural	Total	Urban	Rural		
1375 .....	000	000	000	000	000	000	000	13314
1380 .....	000	000	000	000	000	000	000	000
1385 .....	000	000	000	000	000	000	000	12166
1389 .....	000	000	000	000	000	000	000	<sup>(1)</sup> 16823
1390 .....	000	000	000	000	000	000	000	17649
1391 .....	000	000	000	000	000	000	000	17714
1392 .....	000	000	000	000	000	000	000	17749
<b>1393 .....</b>	<b>4657</b>	<b>2376</b>	<b>2281</b>	<b>2401</b>	<b>2278</b>	<b>123</b>	<b>274</b>	<b>17644</b>
East Azarbayejan .....	280	143	137	73	52	21	14	1073
West Azarbayejan .....	208	93	115	75	69	6	11	986
Ardebil .....	102	50	52	43	43	0	8	517
Esfahan .....	291	202	89	248	248	0	6	560
Alborz .....	68	54	14	146	145	1	1	80
Ilam .....	49	23	26	7	7	0	7	204
Bushehr .....	84	55	29	42	42	0	7	225
Tehran .....	271	212	59	396	380	16	4	274
Chaharmahal&Bakhtiari ...	105	35	70	31	22	9	5	310
South Khorasan .....	80	33	47	51	48	3	9	319
Khorasan-e-Razavi .....	326	170	156	320	317	3	12	1209
North Khorasan .....	84	30	54	50	49	1	6	428
Khuzestan .....	257	157	100	95	92	3	17	845
Zanjan .....	96	39	57	19	19	0	12	447
Semnan .....	77	52	25	12	12	0	1	136
Sistan&Baluchestan .....	208	77	131	49	46	3	35	953
Fars .....	40	11	29	24	12	12	6	1075
Qazvin .....	83	40	43	71	71	0	5	278
Qom .....	34	26	8	35	35	0	0	59
Kordestan .....	102	32	70	25	24	1	4	614
Kerman .....	229	117	112	104	98	6	11	857
Kermanshah .....	130	69	61	25	25	0	12	649
Kohgiluyeh&Boyerahmad..	70	27	43	36	24	12	12	344
Golestan .....	144	47	97	38	34	4	6	608
Gilan .....	191	95	96	32	31	1	3	967
Lorestan .....	149	73	76	44	41	3	2	642
Mazandaran .....	307	104	203	66	65	1	10	1287
Markazi .....	111	46	65	78	77	1	7	396
Hormozgan .....	149	56	93	36	31	5	29	557
Hamedan .....	247	159	88	46	35	11	7	575
Yazd .....	85	49	36	84	84	0	5	170

1. Excluding Zanjan Ostan.

Source: Ministry of Health and Medical Education

**18.7. MEDICAL DIAGNOSIS LABORATORY BY TYPE OF AFFILIATION**

Year and Ostan	Total	Public			Non-public	
		Medical Science University	Social Security	Other public institutions and organizations	Charity	Private
1375 .....	2896	1768	000	000	000	783
1380 .....	3701	1873	000	000	000	1355
1385 .....	4414	2071	000	000	000	1768
1389 <sup>(1)</sup> .....	4724	1915	000	000	000	2060
1390 .....	4850	2075	000	000	000	2156
1391 .....	5207	2174	000	000	000	2341
1392 .....	5303	2159	000	000	000	2424
<b>1393 .....</b>	<b>5481</b>	<b>2234</b>	<b>246</b>	<b>311</b>	<b>157</b>	<b>2533</b>
East Azarbayejan .....	265	104	10	11	2	138
West Azarbayejan .....	171	97	8	3	0	63
Ardebil .....	47	11	3	6	1	26
Esfahan .....	433	176	27	32	13	185
Alborz .....	150	10	6	8	1	125
Ilam .....	59	38	1	3	1	16
Bushehr .....	79	54	4	6	0	15
Tehran .....	985	88	26	64	63	744
Chaharmahal&Bakhtiari ..	120	96	7	1	0	16
South Khorasan .....	28	9	3	2	0	14
Khorasan-e-Razavi .....	416	203	15	23	21	154
North Khorasan .....	78	51	5	4	2	16
Khuzestan .....	237	75	15	32	3	112
Zanjan .....	79	47	6	4	0	22
Semnan .....	76	45	5	9	0	17
Sistan&Baluchestan .....	106	71	1	0	10	24
Fars .....	442	229	6	24	8	175
Qazvin .....	87	35	9	4	1	38
Qom .....	54	7	4	3	12	28
Kordestan .....	48	12	4	3	0	29
Kerman .....	199	117	10	8	6	58
Kermanshah .....	133	73	6	11	0	43
Kohgiluyeh&Boyerahmad..	58	29	4	2	5	18
Golestan .....	107	40	6	9	0	52
Gilan .....	191	74	10	6	1	100
Lorestan .....	127	87	5	2	0	33
Mazandaran .....	279	121	18	7	0	133
Markazi .....	78	25	8	6	1	38
Hormozgan .....	115	77	4	10	1	23
Hamedan .....	120	56	7	4	3	50
Yazd .....	114	77	3	4	2	28

1. Excluding East Azarbayejan, Ilam, and Lorestan.

Source: Ministry of Health and Medical Education

**18.8. REHABILITATION CENTRES <sup>(1)</sup> BY TYPE OF AFFILIATION**

Year and Ostan	Total	Public			Non-public	
		Medical Science University	Social Security	Other public institutions and organizations	Charity	Private
1375 <sup>(2)</sup> .....	716	146	000	000	000	288
1380 .....	1679	225	000	000	000	953
1385 .....	2704	319	000	000	000	1789
1389 .....	<sup>(3)</sup> 4633	353	000	000	000	3660
1390 .....	4522	378	000	000	000	3378
1391 .....	5337	438	000	000	000	4027
1392 .....	5542	437	000	000	000	4375
<b>1393</b> .....	<b>6266</b>	<b>445</b>	<b>103</b>	<b>511</b>	<b>126</b>	<b>5081</b>
East Azarbayejan .....	97	2	0	10	2	83
West Azarbayejan .....	136	17	1	8	0	110
Ardebil .....	44	1	1	2	0	40
Esfahan .....	394	38	8	62	5	281
Alborz .....	239	6	3	7	1	222
Ilam .....	6	0	0	0	6	0
Bushehr .....	70	3	1	9	0	57
Tehran .....	1708	97	51	108	57	1395
Chaharmahal&Bakhtiyari ..	76	9	1	13	0	53
South Khorasan .....	92	5	0	21	5	61
Khorasan-e-Razavi .....	593	34	6	33	15	505
North Khorasan .....	75	2	1	8	1	63
Khuzestan .....	291	21	3	15	0	252
Zanjan .....	83	11	0	5	0	67
Semnan .....	78	18	1	21	0	38
Sistan&Baluchestan .....	126	16	2	0	8	100
Fars .....	523	38	5	50	9	421
Qazvin .....	61	6	2	6	1	46
Qom .....	108	7	2	4	4	91
Kordestan .....	71	2	0	10	0	59
Kerman .....	114	12	3	17	1	81
Kermanshah .....	79	12	2	9	0	56
Kohgiluyeh&Boyerahmad..	25	1	1	6	0	17
Golestan .....	137	8	3	7	0	119
Gilan .....	183	8	0	11	1	163
Lorestan .....	116	17	1	23	2	73
Mazandaran .....	454	33	3	10	0	408
Markazi .....	118	6	0	17	4	91
Hormozgan .....	000	000	000	000	000	000
Hamedan .....	100	7	1	5	1	86
Yazd .....	69	8	1	14	3	43

1. Including physiotherapy, work therapy, speech therapy, audiometry, optometry, and technical orthopedics.

2. Including physiotherapy centres only.

3. Excluding Ilam.

Source: Ministry of Health and Medical Education



**18.9. DIAGNOSTIC NUCLEAR TREATMENT INSTITUTIONS BY TYPE OF AFFILIATION**

Year and Ostan	Total	Public			Non-public	
		Medical Science University	Social Security	Other public institutions and organizations	Charity	Private
1375 .....	1344	647	000	000	000	493
1380 .....	1801	667	000	000	000	815
1385 .....	2227	761	000	000	000	1087
1389 .....	<sup>(1)</sup> 2605	<sup>(1)</sup> 812	000	000	000	<sup>(2)</sup> 1316
1390 .....	2802	726	000	000	000	1421
1391 .....	3231	900	000	000	000	1767
1392 .....	2825	748	000	000	000	1523
<b>1393 .....</b>	<b>2889</b>	<b>661</b>	<b>160</b>	<b>212</b>	<b>110</b>	<b>1746</b>
East Azarbayejan .....	143	47	6	9	1	80
West Azarbayejan.....	88	23	7	4	1	53
Ardebil.....	31	10	2	0	0	19
Esfahan .....	227	56	23	20	6	122
Alborz.....	97	12	5	8	2	70
Ilam.....	29	18	0	0	1	10
Bushehr.....	44	14	5	5	0	20
Tehran.....	748	29	13	54	53	599
Chaharmahal&Bakhtiari .	36	9	4	2	0	21
South Khorasan.....	23	9	3	2	0	9
Khorasan-e-Razavi .....	195	39	5	23	18	110
North Khorasan.....	32	13	1	3	0	15
Khuzestan .....	148	43	9	15	4	77
Zanjan.....	32	10	4	1	1	16
Semnan .....	32	10	4	5	0	13
Sistan&Baluchestan.....	37	16	1	0	2	18
Fars .....	206	77	5	13	3	108
Qazvin.....	59	16	8	2	1	32
Qom .....	40	7	4	2	10	17
Kordestan.....	36	13	5	4	0	14
Kerman .....	79	26	4	5	1	43
Kermanshah.....	2	1	0	0	0	1
Kohgiluyeh&Boyerahmad..	29	11	4	3	0	11
Golestan.....	66	23	4	5	0	34
Gilan .....	82	21	2	1	0	58
Lorestan .....	60	14	8	4	0	34
Mazandaran .....	124	40	7	6	0	71
Markazi.....	47	16	7	6	0	18
Hormozgan .....	000	000	000	000	000	000
Hamedan.....	61	19	5	4	4	29
Yazd.....	56	19	5	6	2	24

1.Excluding East Azarbayejan.

2.Excluding East Azarbayejan, Ilam, and Lorestan Ostans.

Source: Ministry of Health and Medical Education

**18.10. PHARMACIES BY AFFILIATION TYPE AND WORKING TIME**

Year and Ostan	Total	Public			Non-public		Working time	
		Medical Science University	Social Security	Other public institutions and organizations	Charity	Private	Day <sup>(1)</sup>	Day & night
1375.....	4227	370	000	000	000	3712	3841	386
1380.....	5918	348	000	000	000	5360	5404	514
1385.....	7358	467	000	000	000	6650	6302	1056
1389.....	<sup>(3,2)</sup> 8326	<sup>(4,3,2)</sup> 641	000	000	000	<sup>(3,2)</sup> 7347	000	000
1390.....	8484	423	000	000	000	7666	000	000
1391.....	9501	828	000	000	000	8253	8403	1098
1392.....	9625	512	000	000	000	8672	8505	1120
<b>1393.....</b>	<b>10069</b>	<b>518</b>	<b>149</b>	<b>248</b>	<b>71</b>	<b>9083</b>	<b>8821</b>	<b>1248</b>
East Azarbayejan.....	521	31	13	7	2	468	447	74
West Azarbayejan .....	349	27	9	9	0	304	310	39
Ardebil .....	145	10	2	6	0	127	126	19
Esfahan.....	788	21	2	4	1	760	698	90
Alborz .....	344	10	0	0	10	324	298	46
Ilam. ....	62	3	1	1	0	57	47	15
Bushehr .....	93	2	4	6	0	81	81	12
Tehran .....	2381	58	13	81	13	2216	2135	246
Chaharmahal&Bakhtiyari	89	2	0	2	0	85	79	10
South Khorasan.....	75	7	1	3	0	64	68	7
Khorasan-e-Razavi.....	770	39	17	15	9	690	681	89
North Khorasan.....	107	19	5	2	0	81	95	12
Khuzestan.....	549	29	28	34	1	457	507	42
Zanjan .....	95	2	0	2	0	91	85	10
Semnan.....	75	7	2	9	0	57	68	7
Sistan&Baluchestan .....	203	50	0	0	4	149	175	28
Fars.....	659	53	4	13	3	586	541	118
Qazvin.....	147	7	3	2	1	134	133	14
Qom.....	157	6	1	3	9	138	135	22
Kordestan.....	124	2	5	3	1	113	103	21
Kerman.....	273	21	5	8	2	237	222	51
Kermanshah .....	222	20	2	5	0	195	194	28
Kohgiluyeh&Boyerahmad	79	4	3	5	0	67	67	12
Golestan .....	208	16	7	2	0	183	172	36
Gilan.....	323	1	0	1	0	321	280	43
Lorestan.....	190	3	10	7	0	170	159	31
Mazandaran.....	459	33	0	0	13	413	421	38
Markazi .....	150	14	3	4	0	129	124	26
Hormozgan.....	115	7	2	8	1	97	90	25
Hamedan .....	167	1	5	2	0	159	146	21
Yazd .....	150	13	2	4	1	130	134	16

1. Including pharmacies working part-time and full-time.

2. Excluding East Azarbayejan Ostan.

3. Excluding Gilan Ostan.

4. Excluding Ilam and Lorestan Ostans

Source: Ministry of Health and Medical Education.

### 18.11. NUMBER OF HEALTH CENTRES, CLINICS, AND POLYCLINICS BY TYPE OF AFFILIATION

Year and Ostan	Total	Public			Non-public	
		Medical Science University	Social Security	Other public institutions and organizations	Charity	Private
1375 .....	000	000	000	000	000	000
1380 .....	000	000	000	000	000	000
1385 .....	000	000	000	000	000	000
1389 .....	000	000	000	000	000	000
1390 .....	000	000	000	000	000	000
1391 .....	000	000	000	000	000	000
1392 .....	000	000	000	000	000	000
<b>1393 .....</b>	<b>3463</b>	<b>827</b>	<b>243</b>	<b>604</b>	<b>260</b>	<b>1529</b>
East Azarbayejan .....	208	44	14	40	5	105
West Azarbayejan.....	121	48	10	17	2	44
Ardebil.....	47	13	2	9	2	21
Esfahan.....	402	64	32	134	30	142
Alborz.....	147	11	7	12	4	113
Ilam.....	26	3	2	6	4	11
Bushehr.....	41	9	7	15	0	10
Tehran.....	655	47	7	78	98	425
Chaharmahal&Bakhtiyar.....	36	9	5	9	1	12
South Khorasan.....	32	10	4	6	8	4
Khorasan-e-Razavi .....	232	28	10	43	33	118
North Khorasan.....	40	9	5	12	3	11
Khuzestan .....	150	33	16	35	5	61
Zanjan .....	41	13	6	8	0	14
Semnan .....	70	37	7	15	2	9
Sistan&Baluchestan.....	58	43	2	3	2	8
Fars .....	25	12	1	6	1	5
Qazvin.....	59	12	9	6	1	31
Qom .....	64	11	3	8	17	25
Kordestan.....	38	14	5	6	4	9
Kerman .....	104	17	14	22	10	41
Kermanshah.....	84	22	6	17	0	39
Kohgiluyeh&Boyerahmad.....	52	8	3	6	14	21
Golestan.....	68	17	7	12	0	32
Gilan .....	85	21	12	17	2	33
Lorestan .....	45	13	8	4	1	19
Mazandaran .....	153	35	14	28	1	75
Markazi.....	40	4	7	5	3	21
Hormozgan .....	000	000	000	000	000	000
Hamedan.....	247	205	6	11	4	21
Yazd.....	93	15	12	14	3	49

Source: Ministry of Health and Medical Education

**18.12. NUMBER OF EMERGENCY MEDICAL SERVICES STATIONS**

Year and Ostan	Total	Urban	Rural
1375 .....	000	000	000
1380 .....	000	000	000
1385 .....	000	000	000
1389 .....	000	000	000
1390 .....	000	000	000
1391 .....	000	000	000
1392 .....	000	000	000
<b>1393 .....</b>	<b>2022</b>	<b>822</b>	<b>1200</b>
East Azarbayejan .....	96	40	56
West Azarbayejan .....	67	28	39
Ardebil .....	37	16	21
Esfahan .....	129	62	67
Alborz .....	46	25	21
Ilam .....	34	10	24
Bushehr .....	43	11	32
Tehran .....	207	150	57
Chaharmahal&Bakhtiyari .....	39	13	26
South Khorasan .....	51	10	41
Khorasan-e-Razavi .....	167	77	90
North Khorasan .....	37	10	27
Khuzestan .....	131	47	84
Zanjan .....	38	11	27
Semnan .....	41	10	31
Sistan&Baluchestan .....	95	21	74
Fars .....	157	51	106
Qazvin .....	34	10	24
Qom .....	36	19	17
Kordestan .....	39	16	23
Kerman .....	119	32	87
Kermanshah .....	44	23	21
Kohgiluyeh&Boyerahmad .....	32	10	22
Golestan .....	49	19	30
Gilan .....	57	24	33
Lorestan .....	56	18	38
Mazandaran .....	10	3	7
Markazi .....	44	20	24
Hormozgan .....	000	000	000
Hamedan .....	45	19	26
Yazd .....	42	17	25

Source: Ministry of Health and Medical Education

### 18.13. PRODUCED BLOOD PRODUCTS AND DISTRIBUTED TO THE MEDICAL CENTRES BY THREE MAJOR PRODUCTS, THE YEAR 1393

Year and Ostan	Produced blood products by three major products			Distributed blood products among medical centres by three major products		
	Red Blood Cells (PRC)	Fresh frozen plasma (FFP)	Platelets concentrate	Packed Red Cells (PRC)	Fresh frozen plasma (FFP)	Platelets concentrate
<b>Total country.....</b>	<b>1997790</b>	<b>1701996</b>	<b>1102372</b>	<b>1923513</b>	<b>747815</b>	<b>895175</b>
East Azarbayejan .....	93252	86680	42548	81240	45565	36433
West Azarbayejan.....	67091	49026	23843	58753	17293	18830
Ardebil.....	34070	33258	19164	21379	9042	9775
Esfahan .....	125066	109726	67989	118997	52185	63227
Alborz.....	50093	48509	7510	27625	7566	4883
Ilam.....	15511	13197	4110	9703	2840	2002
Bushehr.....	33666	22461	10674	26960	7647	6371
Tehran.....	347521	278285	251718	384801	178497	257317
Chaharmahal&Bakhtiyari ..	27439	25509	12118	15369	8671	6640
South Khorasan.....	17737	17199	6795	9440	2821	3232
Khorasan-e-Razavi .....	133144	85039	65913	131322	50654	58740
North Khorasan.....	17572	17170	10049	11871	5893	5004
Khuzestan .....	109163	90310	68926	151708	59050	43511
Zanjan .....	21925	21446	14718	19961	5974	13212
Semnan .....	33087	31824	7948	15578	6070	4464
Sistan&Baluchestan.....	67765	62633	29109	84926	18950	14567
Fars .....	103489	98801	81247	149728	72224	98597
Qazvin.....	29027	27704	17394	21830	8454	12042
Qom .....	36374	33119	15035	24369	12450	11699
Kordestan.....	24416	20327	14910	22940	13453	9991
Kerman .....	73346	72565	37820	59315	20940	26406
Kermanshah.....	52176	50397	37155	44436	17882	34833
Kohgiluyeh&Boyerahmad..	21736	18467	9033	12890	2993	3905
Golestan.....	46863	42577	23769	45321	12493	13581
Gilan .....	76625	57222	28594	72867	9524	15963
Lorestan .....	38852	37079	22207	26128	9731	11412
Mazandaran .....	131752	100372	81481	123254	18911	34459
Markazi.....	37586	36378	18616	26753	14111	14633
Hormozgan .....	52759	41944	22266	59343	28881	20238
Hamedan.....	39591	38471	27728	31400	17530	20905
Yazd.....	39096	34301	21985	33306	9520	18303

Source: Iranian Blood Transfusion Organization (IBTO)

### 18.14. DONORS AND AMOUNT OF DONATED BLOODS BY GENDER AND DONATION STATUS:1393

Year and Ostan	Donors (person)	Amount of the whole blood donation (blood bag)	Whole blood donation by gender		Whole blood donation by donation status		
			Male	Female	Frequent	Not frequent	First time
<b>Total country .....</b>	<b>2560475</b>	<b>2071031</b>	<b>1979720</b>	<b>91311</b>	<b>1067337</b>	<b>561706</b>	<b>441988</b>
East Azarbayejan .....	109145	95393	92741	2652	45878	27523	21992
West Azarbayejan.....	85164	69151	67472	1679	36791	17149	15211
Ardebil.....	41795	34637	32713	1924	18072	8626	7939
Esfahan .....	165537	126514	123079	3435	70508	32217	23789
Alborz.....	67560	52767	51554	1213	20484	16422	15861
Ilam.....	18362	15246	13967	1279	8117	3810	3319
Bushehr.....	45832	34994	33230	1764	19821	8452	6721
Tehran.....	385061	332474	319770	12704	139600	110455	82419
Chaharmahal&Bakhtiyari ..	32815	26622	25863	759	14113	7392	5117
South Khorasan.....	22667	19107	17764	1343	10788	4222	4097
Khorasan-e-Razavi .....	185807	141351	131505	9846	69684	36443	35224
North Khorasan.....	22183	17998	16881	1117	9826	4013	4159
Khuzestan .....	151437	111679	108885	2794	66353	25829	19497
Zanjan .....	27973	22548	21160	1388	11754	6286	4508
Semnan .....	43064	35228	33133	2095	23778	6329	5121
Sistan&Baluchestan.....	82182	71350	66438	4912	36273	18496	16581
Fars .....	208712	152292	146655	5637	80972	46478	24842
Qazvin.....	38805	29655	27687	1968	15335	7537	6783
Qom .....	43769	37066	35457	1609	19874	9830	7362
Kordestan.....	30065	25048	23635	1413	10292	7365	7391
Kerman .....	95682	74903	69820	5083	41874	19445	13584
Kermanshah .....	65037	51988	48496	3492	25138	14107	12743
Kohgiluyeh&Boyerahmad..	28729	23713	22917	796	14003	5480	4230
Golestan.....	54836	46978	44853	2125	25764	12659	8555
Gilan .....	90036	76929	74415	2514	43287	19664	13978
Lorestan .....	48144	39685	35887	3798	19954	10235	9496
Mazandaran .....	158329	131950	127964	3986	76456	33035	22459
Markazi.....	48374	39651	36801	2850	20042	10421	9188
Hormozgan .....	63454	53803	51900	1903	30194	10956	12653
Hamedan.....	49558	40647	38767	1880	19845	10162	10640
Yazd.....	50361	39664	38311	1353	22467	10668	6529

Source: Iran Blood Transfusion Organization

### 18.15. NUMBER OF THE EMPLOYED <sup>(1)</sup> IN THE GOVERNMENTAL VETERINARY SECTOR BY OCCUPATIONAL FIELD AND OSTAN, THE YEAR 1393

Ostan	Grand total	Veterinarian	Occupational fields <sup>(2)</sup> in the expertise		Veterinarian with associate's degree	Veterinary technician	Other occupational fields
			Technical expert	Non-technical expert			
<b>Total country.....</b>	<b>5590</b>	<b>1460</b>	<b>983</b>	<b>357</b>	<b>942</b>	<b>373</b>	<b>1475</b>
Central Organization.....	345	110	34	47	5	1	148
East Azarbayejan.....	228	79	39	13	14	12	71
West Azarbayejan.....	209	66	42	19	26	13	43
Ardebil.....	154	34	44	17	14	13	32
Esfahan.....	254	68	48	17	33	17	71
Alborz.....	89	33	9	4	10	4	29
Ilam.....	160	25	26	10	19	6	74
Bushehr.....	143	32	31	6	39	2	33
Tehran.....	210	78	43	11	23	4	51
Chaharmahal&Bakhtiyari.....	129	29	27	10	21	9	33
South Khorasan.....	122	29	21	4	44	3	21
Khorasan-e-Razavi.....	354	103	80	13	50	19	89
North Khorasan.....	129	27	20	9	40	4	29
Khuzestan.....	286	62	33	20	48	36	87
Zanjan.....	96	21	9	4	19	9	34
Semnan.....	124	32	17	11	17	20	27
Sistan&Baluchestan.....	139	29	9	4	46	16	35
Fars.....	293	83	44	17	45	29	75
Qazvin.....	114	29	33	5	12	10	25
Qom.....	97	30	14	9	16	8	20
Kordestan.....	130	30	19	12	30	10	29
Kerman.....	296	70	46	9	127	18	26
Kermanshah.....	172	41	21	5	14	22	69
Kohgiluyeh&Boyerahmad.....	137	20	17	6	25	15	54
Golestan.....	134	36	26	13	16	9	34
Gilan.....	155	50	26	13	16	9	41
Lorestan.....	161	26	51	11	32	3	38
Mazandaran.....	247	75	62	10	55	16	29
Markazi.....	137	31	26	10	22	23	25
Hormozgan.....	109	22	20	6	19	6	36
Hamedan.....	122	28	26	6	26	1	35
Yazd.....	115	32	20	6	19	6	32

1.Excluding people working for Higher Education Centres

2.Including experts and senior experts

Source: Iran Veterinary Organization

**18.16. NUMBER OF THE EMPLOYED<sup>(1)</sup> IN THE NON-GOVERNMENTAL VETERINARY SECTOR BY OCCUPATIONAL FIELD AND OSTAN, THE YEAR 1393**

Ostan	Grand total	Veterinarian	Occupational fields <sup>(2)</sup> in the expertise		Veterinarian with associate's degree	Veterinary technician	Other occupational fields
			Technical Expert	Non-technical expert			
<b>Total country.....</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Central Organization.....	000	000	000	000	000	000	000
East Azarbayejan.....	000	000	000	000	000	000	000
West Azarbayejan.....	000	000	000	000	000	000	000
Ardebil.....	000	000	000	000	000	000	000
Esfahan.....	000	000	000	000	000	000	000
Alborz.....	000	000	000	000	000	000	000
Ilam.....	000	000	000	000	000	000	000
Bushehr.....	000	000	000	000	000	000	000
Tehran.....	000	000	000	000	000	000	000
Chaharmahal&Bakhtiyari.....	000	000	000	000	000	000	000
South Khorasan.....	000	000	000	000	000	000	000
Khorasan-e-Razavi.....	000	000	000	000	000	000	000
North Khorasan.....	000	000	000	000	000	000	000
Khuzestan.....	000	000	000	000	000	000	000
Zanjan.....	000	000	000	000	000	000	000
Semnan.....	000	000	000	000	000	000	000
Sistan&Baluchestan.....	000	000	000	000	000	000	000
Fars.....	000	000	000	000	000	000	000
Qazvin.....	000	000	000	000	000	000	000
Qom.....	000	000	000	000	000	000	000
Kordestan.....	000	000	000	000	000	000	000
Kerman.....	000	000	000	000	000	000	000
Kermanshah.....	000	000	000	000	000	000	000
Kohgiluyeh&Boyerahmad.....	000	000	000	000	000	000	000
Golestan.....	000	000	000	000	000	000	000
Gilan.....	000	000	000	000	000	000	000
Lorestan.....	000	000	000	000	000	000	000
Mazandaran.....	000	000	000	000	000	000	000
Markazi.....	000	000	000	000	000	000	000
Hormozgan.....	000	000	000	000	000	000	000
Hamedan.....	000	000	000	000	000	000	000
Yazd.....	000	000	000	000	000	000	000

1.Excluding employed people in Higher Education Centres

2.Including experts and senior experts

Source: Iran Veterinary Organization



### 18.17. OPERATING MEDICAL CENTRES IN THE PRIVATE VETERINARY SECTOR BY OSTAN, THE YEAR 1393

Ostan	Veterinary pharmacy	Livestock vaccination centres	Veterinary clinic	Hospital	Veterinary lab
<b>Total country.....</b>	<b>1751</b>	<b>1024</b>	<b>777</b>	<b>42</b>	<b>260</b>
East Azarbayejan.....	147	35	20	0	13
West Azarbayejan.....	170	124	15	4	17
Ardebil.....	56	43	0	0	3
Esfahan.....	132	81	119	6	24
Alborz.....	22	13	28	3	12
Ilam.....	29	12	12	0	3
Bushehr.....	9	6	7	0	2
Tehran.....	61	35	151	5	38
Chaharmahal&Bakhtiyari.....	48	25	2	0	3
South Khorasan.....	19	12	14	0	2
Khorasan-e-Razavi.....	108	79	83	1	15
North Khorasan.....	15	14	3	1	0
Khuzestan.....	62	44	46	0	13
Zanjan.....	22	17	3	0	3
Semnan.....	21	21	6	1	7
Sistan&Baluchestan.....	15	18	10	0	1
Fars.....	137	78	15	1	10
Qazvin.....	30	15	1	1	2
Qom.....	15	10	2	1	2
Kordestan.....	24	27	24	1	12
Kerman.....	61	59	17	0	3
Kermanshah.....	50	23	18	1	7
Kohgiluyeh&Boyerahmad.....	13	8	8	0	1
Golestan.....	98	33	18	5	14
Gilan.....	72	39	15	1	4
Lorestan.....	48	19	11	0	3
Mazandaran.....	143	69	94	8	23
Markazi.....	33	30	14	0	6
Hormozgan.....	9	2	9	1	5
Hamedan.....	42	22	11	0	7
Yazd.....	40	11	1	1	5

Source: Iran Veterinary Organization

### 18.18. NUMBER AND CAPACITY OF LIVESTOCK AND POULTRY SLAUGHTER HOUSES BY TYPE AND OSTAN, THE YEAR 1393

Ostan	Livestock slaughterhouse						Poultry slaughterhouse	
	Industrial			Non-industrial (traditional)			Number	Capacity of slaughter <sup>(7)</sup> (fowl per hour)
	Number	Capacity (head)		Number	Capacity (head)			
		Heavy livestock	Light livestock		Heavy livestock	Light livestock		
<b>Total country.....</b>	<b>74</b>	<b>7481</b>	<b>58685</b>	<b>304</b>	<b>2689</b>	<b>20773</b>	<b>243</b>	<b>581000</b>
East Azarbayejan.....	3	150	1500	10	126	570	11	22000
West Azarbayejan.....	4	300	2750	13	94	166	12	26000
Ardebil.....	3	325	4500	9	118	675	5	10000
Esfahan.....	6	395	4700	25	129	2680	17	38000
Alborz.....	1	150	1000	1	30	50	5	10000
Ilam.....	1	120	1000	9	150	421	2	4000
Bushehr.....	1	25	125	4	19	170	2	4000
Tehran.....	8	900	8000	6	74	912	21	58000
Chaharmahal&Bakhtiari.....	1	200	2000	10	26	577	3	6000
South Khorasan.....	1	45	450	10	20	155	5	10000
Khorasan-e-Razavi.....	2	300	4500	35	199	2695	16	52000
North Khorasan.....	1	50	500	7	22	60	2	4000
Khuzestan.....	0	0	0	23	188	1851	9	20000
Zanjan.....	1	300	1000	0	0	0	4	8000
Semnan.....	2	45	550	4	45	410	6	12000
Sistan&Baluchestan.....	10	880	5900	3	35	50	4	6500
Fars.....	4	300	3000	29	225	1439	16	33500
Qazvin.....	2	400	2000	1	15	60	5	12000
Qom.....	3	200	2000	0	0	0	3	6000
Kordestan.....	1	100	1000	6	120	420	4	7000
Kerman.....	0	0	0	23	317	2870	12	32000
Kermanshah.....	1	100	1000	13	86	300	5	10000
Kohgiluyeh&Boyerahmad.....	2	110	1700	4	23	280	3	8000
Golestan.....	1	100	1000	12	61	565	14	40000
Gilan.....	3	450	850	0	0	0	7	23000
Lorestan.....	2	225	1250	7	180	1300	11	22000
Mazandaran.....	3	625	3100	8	118	735	16	46000
Markazi.....	0	0	0	13	159	638	7	14000
Hormozgan.....	1	150	500	8	47	146	7	15000
Hamedan.....	5	525	2350	3	30	160	5	10000
Yazd.....	1	11	460	8	33	418	4	12000

1. The slaughter of light and heavy livestock is done simultaneously in each of slaughterhouses.

Sources: Ministry of Jihad-e- Agriculture  
Iran Veterinary Organization

### 18.19. NUMBER OF CENTRES FOR KEEPING AND SUPPLYING LIVESTOCK AND PROCESSING OF RAW LIVESTOCK PRODUCTS, THE YEAR 1393

Ostan	Supplying centres		Supplying centres for raw livestock products			
	Livestock <sup>(1)</sup>	Other <sup>(2)</sup>	Livestock <sup>(3)</sup>	Poultry <sup>(4)</sup>	Aquatics <sup>(5)</sup>	Other <sup>(6)</sup>
<b>Total country.....</b>	<b>184</b>	<b>2188</b>	<b>31816</b>	<b>31009</b>	<b>6896</b>	<b>86668</b>
East Azarbayejan .....	24	200	2901	1395	144	11863
West Azarbayejan.....	3	59	790	808	67	2269
Ardebil.....	6	0	553	450	51	2070
Esfahan .....	3	202	4086	2541	1414	2457
Alborz.....	0	60	1160	1246	611	1369
Ilam.....	0	0	268	784	86	3509
Bushehr.....	0	41	169	257	236	1554
Tehran.....	8	114	3168	2608	420	2979
Chaharmahal&Bakhtiari ...	0	59	1250	1173	110	1906
South Khorasan.....	2	28	186	305	47	1383
Khorasan-e-Razavi .....	21	308	2611	2189	319	25459
North Khorasan.....	0	30	278	283	23	749
Khuzestan .....	4	68	1024	694	449	259
Zanjan .....	4	50	675	625	246	1582
Semnan .....	5	19	238	217	4	352
Sistan&Baluchestan.....	0	117	277	2045	161	3643
Fars .....	5	0	950	1346	233	329
Qazvin.....	3	82	630	759	169	681
Qom .....	34	67	646	588	39	556
Kordestan.....	6	47	544	977	93	1364
Kerman .....	2	95	1170	1546	14	1964
Kermanshah.....	4	150	575	552	57	492
Kohgiluyeh&Boyerahmad...	2	7	401	409	56	2067
Golestan.....	3	0	579	648	144	888
Gilan .....	6	12	1244	1314	316	2463
Lorestan .....	5	38	962	1360	75	937
Mazandaran .....	6	51	1484	1762	691	1901
Markazi.....	4	64	582	608	80	1673
Hormozgan .....	2	8	508	373	284	2875
Hamedan.....	13	119	690	578	15	379
Yazd.....	9	93	1217	569	242	4696

1. Including centres for supplying livestock (such as slaughtered livestock).

2. Including centres for supplying ornamental birds and fishes.

3. Including centres for supplying red meat products and livestock offal.

4. Including centres for supplying chicken meat products and offal.

5. Including centres for supplying aquatic meats.

6. Including supermarkets, chain stores, supermarkets for meat protein.

Sources: Ministry of Jihad-e- Agriculture

Iran Veterinary Organization

**18.20. NUMBER OF LIVESTOCK ISOLATION CENTRES, THE YEAR 1393**

Ostan	Total	Border	Domestic
<b>Total country.....</b>	<b>78</b>	<b>37</b>	<b>41</b>
East Azarbayejan .....	3	2	1
West Azarbayejan.....	10	6	4
Ardebil.....	1	1	0
Esfahan .....	1	0	1
Alborz.....	0	0	0
Ilam.....	1	1	0
Bushehr.....	1	1	0
Tehran.....	0	0	0
Chaharmahal&Bakhtiari .....	2	0	2
South Khorasan.....	3	1	2
Khorasan-e-Razavi .....	6	4	2
North Khorasan.....	1	0	1
Khuzestan .....	13	9	4
Zanjan .....	4	0	4
Semnan .....	3	0	3
Sistan&Baluchestan.....	2	2	0
Fars .....	3	0	3
Qazvin.....	0	0	0
Qom .....	0	0	0
Kordestan.....	4	3	1
Kerman .....	2	0	2
Kermanshah.....	2	2	0
Kohgiluyeh&Boyerahmad.....	0	0	0
Golestan.....	4	1	3
Gilan .....	5	2	3
Lorestan .....	0	0	0
Mazandaran .....	1	0	1
Markazi.....	1	0	1
Hormozgan .....	2	2	0
Hamedan.....	2	0	2
Yazd.....	1	0	1

Sources: Ministry of Jihad-e- Agriculture  
Iran Veterinary Organization.