

Health and Treatment

16



Caspian Sea

Persian Gulf

Oman Sea

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Introduction

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

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

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

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

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

It should be noted that since the type of substances used in spraying insecticides in the villages for combating malaria changed, the statistics for Abate larvicide and oil products

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

Definitions and concepts

Physician: persons who have completed their medical education in one of the universities within the country or abroad, and received their MD degrees approved by the Ministry of Health and Medical Education. Statistics for physicians also include dentists, veterinarians, and pharmacists.

Because of the diversified fields of medical specialities, data related to some specialities have been included under certain general titles in Table 2.

Specialities included in each title are as follows:

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

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

Neuropsychiatry: nervous disorders and psychiatry.

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

Orthopedics: orthopedics and bone and joints surgery.

Radiology: radiology and sonography.

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

Pharmacology: drug-making, industrial drug-

making, pharmacology, pharmaceuticals, pharmacognosy.

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

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

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

Medical establishments: all medical centers 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 and medical centers: clinics, polyclinics and health centres. Health centres generally render vaccination services beside medical services.

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

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

Health home: the unit which is located in a village and often covers other several villages (satellite villages). A total population of 2000 with 2 authorized Bahvarzes (man and woman) is covered by a health home. Male and female Bahvarzan 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, cytology, histology, cellular and molecular genetics among others on samples taken from human body to obtain information for diagnosis, prevention or treatment continuation or for a health checkup. It includes two types: clinical and anatomical.

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

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

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

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

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

consumption commodities and standard health and cosmetic products.

Selected information

In 1389, over 30,000 physicians were employed in the Ministry of Health and Medical Education, out of whom 14239, 12298, 2556 and 1209 persons were general practitioners, specialists, dentists, and pharmacists respectively. Also 188,000 paramedics were working.

It should be noted that the statistics for physicians and paramedics exclude the statistics for Ostan of Gilan

In 1389, about 127 thousand fixed beds were in use in 846 medical establishments (hospitals, maternity hospitals and sanatorium) of the country. It should be noted that 63.8 percent of the above mentioned establishments are affiliated to the Ministry of Health and Medical Education.

Also in the same year, 11018 health care and medical centres (clinic, polyclinic and health centres) were operating in the country which increased by 12 percent in comparison to the preceding year. It is noteworthy that 80 percent of these health care and medical centres were affiliated to the Ministry of Health and Medical Education. In 1389, a number of 16823 health homes were operating in the rural areas of the country.

In the year 1389, there were 4724 medical diagnosis laboratories, 4633 rehabilitation centres, 2605 radiology centres and 8326 pharmacies in the country.

During the year 1388, the maximum number of vaccinations made in the units of Ministry of Health and Medical Education was related to poliomyelitis V. (6862 thousand cases), BCG.V.(TB.V.) (4570 thousand cases), hepatitis B. (4197 thousand cases) respectively.

16. 1. EMPLOYED POPULATION IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY OCCUPATION GROUP

Year and Ostan	Total	Physicians ⁽¹⁾	Paramedics	Other employees
1370.....	201100	17453	105658	77989
1375.....	269894	19585	149380	100929
1380.....	295325	21175	152396	121754
1385.....	321544	29937	173076	118531
1386.....	000	000	000	000
1387.....	000	000	000	000
1388 ⁽²⁾	268815	29188	159240	⁽³⁾ 80387
1389.....	⁽⁴⁾ 302679	30302	188910	83467
East Azarbayejan	11434	1459	8502	1473
West Azarbayejan	12182	1251	8811	2120
Ardebil.....	6337	583	3809	1945
Esfahan.....	24945	1555	18686	4704
Ilam.....	3384	243	1338	1803
Bushehr.....	4931	564	3087	1280
Tehran	38771	5516	21185	12070
Chaharmahal & Bakhtiyari.....	6021	510	3651	1860
South Khorasan.....	2893	326	1979	588
Khorasan-e-Razavi.....	23973	2338	13972	7663
North Khorasan.....	3496	322	2118	1056
Khuzestan.....	19694	2049	11071	6574
Zanjan.....	5295	574	3357	1364
Semnan.....	4453	442	2524	1487
Sistan & Baluchestan	12696	932	7211	4553
Fars.....	21385	1995	14194	5196
Qazvin.....	3485	472	1978	1035
Qom	3949	355	2253	1341
Kordestan.....	7086	736	4816	1534
Kerman	15004	1471	9965	3568
Kermanshah	9925	815	6133	2977
Kohgiluyeh & Boyerahmad.....	4046	394	2482	1170
Golestan	12976	1117	9187	2672
Gilan	000	000	000	000
Lorestan	8884	776	5000	3108
Mazandaran	4121	458	2225	1438
Markazi	7112	693	3960	2459
Hormozgan	8021	642	5053	2326
Hamedan	9900	1086	6497	2317
Yazd	6280	628	3866	1786

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

2. Excluding East Azarbayejan, Ilam, Gilan.

3. Including veterinarians.

4. Excluding Gilan.

Source: Ministry of Health and Medical Education.

16. 2. PHYSICIANS⁽¹⁾ EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD AND TYPE OF SPECIALITY

Year and Ostan	Total	General practitioner	Dentist	Veterinarian	Pharmacist	Specialist		
						Total	Internal ⁽²⁾	Cardio-vascular
1370.....	17453	8754	1541	99	1064	5995	528	170
1375.....	⁽⁴⁾ 19585	9057	1748	92	1179	7423	801	288
1380.....	21175	8568	1945	527	1069	9066	1029	372
1385.....	29937	13485	2786	81	1327	12258	1102	604
1386.....	000	000	000	000	000	000	000	000
1387.....	000	000	000	000	000	000	000	000
1388.....	000	000	000	000	000	000	000	000
1389.....	⁽⁵⁾ 30302	⁽⁵⁾ 14239	⁽⁵⁾ 2556	⁽⁵⁾ 1209	000	12298	994	000
East Azarbayejan	1459	812	138	104	000	405	39	000
West Azarbayejan	1251	691	94	35	000	431	44	000
Ardebil.....	583	328	37	23	000	195	15	000
Esfahan.....	1555	785	180	67	000	523	47	000
Ilam.....	243	122	33	8	000	80	8	000
Bushehr	564	316	69	13	000	166	16	000
Tehran	5516	1690	350	257	000	3219	189	000
Chaharmahal & Bakhtiari....	510	316	35	14	000	145	22	000
South Khorasan.....	326	149	38	15	000	124	15	000
Khorasan-e-Razavi.....	2338	1035	158	123	000	1022	69	000
North Khorasan.....	322	201	26	18	000	77	11	000
Khuzestan.....	2049	1013	126	76	000	834	51	000
Zanjan.....	574	253	62	35	000	224	17	000
Semnan.....	442	201	27	17	000	197	17	000
Sistan & Baluchestan	932	554	42	10	000	326	27	000
Fars.....	1995	991	174	91	000	739	43	000
Qazvin.....	472	156	91	12	000	213	11	000
Qom	355	123	20	16	000	196	19	000
Kordestan.....	736	317	56	15	000	348	26	000
Kerman	1471	747	182	40	000	502	56	000
Kermanshah	815	420	78	28	000	289	24	000
Kohgiluyeh & Boyerahmad	394	200	36	18	000	140	16	000
Golestan	1117	544	65	28	000	480	100	000
Gilan	000	000	000	000	000	000	000	000
Lorestan	776	468	44	31	000	233	24	000
Mazandaran	458	185	92	19	000	162	7	000
Markazi	693	330	63	30	000	270	18	000
Hormozgan	642	367	29	9	000	237	14	000
Hamedan	1086	551	149	35	000	351	24	000
Yazd	628	374	62	22	000	170	25	000

**16. 2. PHYSICIANS⁽¹⁾ EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION
BY FIELD AND TYPE OF SPECIALITY (continued)**

Year and Ostan	Specialist							
	Infectious	Pediatrics ⁽²⁾	Neuro- psychiatry	Venereal &dermato logy	General surgery	Urology	Orthopedics	Brain & nerves
1370.....	112	776	239	108	768	162	295	107
1375.....	164	1008	226	167	852	220	375	236
1380.....	201	1193	312	205	821	180	410	281
1385.....	347	1340	509	257	1024	431	702	398
1386.....	000	000	000	000	000	000	000	000
1387.....	000	000	000	000	000	000	000	000
1388.....	000	000	000	000	000	000	000	000
1389.....	000	⁽⁵⁾ 1054	000	000	⁽⁵⁾ 845	000	000	000
East Azarbayejan	000	56	000	000	30	000	000	000
West Azarbayejan	000	46	000	000	22	000	000	000
Ardebil.....	000	22	000	000	12	000	000	000
Esfahan.....	000	48	000	000	35	000	000	000
Ilam.....	000	13	000	000	7	000	000	000
Bushehr.....	000	16	000	000	10	000	000	000
Tehran	000	201	000	000	208	000	000	000
Chaharmahal & Bakhtiyari...	000	19	000	000	11	000	000	000
South Khorasan.....	000	13	000	000	7	000	000	000
Khorasan-e-Razavi.....	000	67	000	000	60	000	000	000
North Khorasan.....	000	11	000	000	4	000	000	000
Khuzestan.....	000	92	000	000	65	000	000	000
Zanjan.....	000	24	000	000	16	000	000	000
Semnan.....	000	13	000	000	16	000	000	000
Sistan & Baluchestan	000	26	000	000	19	000	000	000
Fars.....	000	68	000	000	34	000	000	000
Qazvin.....	000	16	000	000	8	000	000	000
Qom	000	24	000	000	10	000	000	000
Kordestan.....	000	27	000	000	22	000	000	000
Kerman	000	53	000	000	35	000	000	000
Kermanshah	000	16	000	000	35	000	000	000
Kohgiluyeh & Boyerahmad ..	000	15	000	000	10	000	000	000
Golestan ..	000	49	000	000	75	000	000	000
Gilan	000	000	000	000	000	000	000	000
Lorestan	000	24	000	000	16	000	000	000
Mazandaran	000	4	000	000	7	000	000	000
Markazi	000	17	000	000	15	000	000	000
Hormozgan	000	18	000	000	16	000	000	000
Hamedan	000	35	000	000	23	000	000	000
Yazd	000	21	000	000	17	000	000	000

16. 2. PHYSICIANS⁽¹⁾ EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD AND TYPE OF SPECIALITY (continued)

Year and Ostan	Specialist							
	Otolaryngology	Ophthalmology	Gynecology	Plastic surgery	Anesthesiology	Radiology	Pathology	Other
1370.....	267	320	589	⁽³⁾ 000	564	328	⁽³⁾ 000	⁽³⁾ 662
1375.....	304	422	790	45	375	430	183	537
1380.....	359	470	948	45	926	511	349	454
1385.....	445	615	1285	58	1189	635	478	839
1386.....	000	000	000	000	000	000	000	000
1387.....	000	000	000	000	000	000	000	000
1388.....	000	000	000	000	000	000	000	000
1389.....	000	000	⁽⁵⁾ 1065	000	⁽⁵⁾ 1078	000	000	^(5,6) 7262
East Azarbayejan	000	000	51	000	41	000	000	188
West Azarbayejan	000	000	45	000	33	000	000	241
Ardebil.....	000	000	21	000	18	000	000	107
Esfahan.....	000	000	49	000	43	000	000	301
Ilam.....	000	000	9	000	8	000	000	35
Bushehr.....	000	000	14	000	13	000	000	97
Tehran	000	000	248	000	265	000	000	2108
Chaharmahal & Bakhtiyari	000	000	15	000	10	000	000	68
South Khorasan	000	000	9	000	8	000	000	72
Khorasan-e-Razavi.....	000	000	77	000	91	000	000	658
North Khorasan.....	000	000	7	000	6	000	000	38
Khuzestan.....	000	000	76	000	81	000	000	469
Zanjan.....	000	000	22	000	22	000	000	123
Semnan.....	000	000	17	000	18	000	000	116
Sistan & Baluchestan	000	000	33	000	25	000	000	196
Fars.....	000	000	44	000	77	000	000	473
Qazvin.....	000	000	19	000	21	000	000	138
Qom	000	000	16	000	15	000	000	112
Kordestan.....	000	000	38	000	25	000	000	210
Kerman	000	000	39	000	36	000	000	283
Kermanshah	000	000	26	000	27	000	000	161
Kohgiluyeh & Boyerahmad.	000	000	15	000	12	000	000	72
Golestan	000	000	43	000	51	000	000	162
Gilan	000	000	0	000	0	000	000	0
Lorestan	000	000	24	000	24	000	000	121
Mazandaran	000	000	12	000	13	000	000	119
Markazi	000	000	24	000	24	000	000	172
Hormozgan	000	000	22	000	19	000	000	148
Hamedan	000	000	32	000	34	000	000	203
Yazd	000	000	18	000	18	000	000	71

1. Including foreign physicians, excluding the year 1389.

2. Including super-specialist, excluding the year 1389.

3. Included in "Other".

4. Difference between the total and sum of parts is due to the inclusion in the total of physicians with their speciality not specified.

5. Excluding Gilan Ostan.

6. Including statistics for physicians with PhD in laboratory science and super specialist.

Source: Ministry of Health and Medical Education.

16. 3. PARAMEDICS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY FIELD AND TYPE OF SPECIALITY

Field and type of speciality	1375	1380	1385	1386	1387	1388	1389
Total.....	149380	152394	173076	000	000	176417	188910
Assistant doctor (Behdar).....	175	158	229	000	000	000	000
Mental health expert.....	615	617	730	000	000	000	000
Optometry expert, associate and technician.....	118	299	196	000	000	000	000
Audiometry expert, associate and technician.....	212	241	265	000	000	000	000
Person in charge of blood transfusion.....	635	728	814	000	000	000	000
Prosthodontist (technician).....	117	96	97	000	000	000	000
Oral hygienist.....	1881	1499	1259	000	000	000	000
Nurse holding B.S or higher degree.....	16396	25074	33605	000	000	41629	49129
Nurse holding associate degree.....	1950	914	684	000	000	000	594
Midwife.....	6590	8105	10555	000	000	11642	14162
Health worker and assistant health worker	37508	27200	24039	000	000	⁽¹⁾ 12647	12854
Health attendant (Behvarz)... ..	23361	⁽²⁾ 000	27620	000	000	23380	25824
Anesthetist expert, associate and technician... ..	2158	2606	3078	000	000	⁽³⁾ 2538	3670
Operating room associate and technician.....	2900	2945	3671	000	000	3956	4719
Dialysis technician.....	105	111	170	000	000	000	000
Person in charge of medical emergency.....	1360	1437	2046	000	000	000	000
Rehabilitation expert, associate, and technician.....	909	764	704	000	000	000	000
Person in charge of orthopedics.....	172	22	17	000	000	000	000
Assistant of the disabled	2603	2036	2051	000	000	000	000
Environmental health expert, associate, and technician.....	3163	4643	5359	000	000	000	000
Entomologist (in fighting vectors).....	21	38	78	000	000	000	000
Expert, associate, and technician for fighting diseases.....	⁽⁴⁾ 6987	5787	6445	000	000	000	000
Expert and associate on occupational health.....	599	1060	1283	000	000	000	000
Health services trainer.....	238	347	429	000	000	000	000
Expert, associate and technician on pharmaceutical affairs.....	4020	3247	3256	000	000	000	000
Expert, associate and technician on food planning and services.....	485	813	1006	000	000	000	000
Expert, associate and technician on food, cosmetics and hygienic stuff.....	414	395	444	000	000	000	000
Radiography expert, associate, and technician.....	3644	4019	4802	000	000	000	000
Electro-cardiography technician.. ..	95	98	136	000	000	000	000
Medical laboratory expert, associate, and technician.....	⁽⁵⁾ 10219	⁽⁵⁾ 10223	11304	000	000	000	000
Person in charge of dissection room	76	21	18	000	000	000	000
Hospital affairs expert.....	209	262	449	000	000	000	000
Health and treatment social worker.....	414	294	394	000	000	000	000
Receptionist and in charge of medical records.....	2105	2857	3779	000	000	000	000
Family health expert, associate, and technician.....	5361	⁽²⁾ 33783	11279	000	000	000	000
Other paramedics.....	11565	9655	10785	000	000	⁽⁶⁾ 80625	⁽⁷⁾ 77958

1. Including health workers.

2. Included in family health technician.

3. Including only anesthetist technician statistics.

4. Including health assistants, too.

5. Including medical laboratory doctorates(non-physicians).

6. Including other specialities except for nurse with B.S degree and higher, nurse with associate degree, midwife, health worker, health attendant, anesthetist technician, operating room associate and technician.

7. Excluding Gilan Ostan.

16. 4. NUMBER AND BEDS OF OPERATING MEDICAL ESTABLISHMENTS BY LEGAL STATUS

Year and Ostan	Total		Affiliated to the Ministry of Health and Medical Education		Private		Other ⁽¹⁾	
	Establish-ments	Beds	Establish-ments	Beds	Establish-ments	Beds	Establish-ments	Beds
1370	639	85810	454	64024	118	9038	67	12748
1375.....	685	98549	479	72089	113	9550	93	16910
1380.....	717	109152	479	76167	119	11191	119	21794
1385.....	773	116474	505	79772	128	12594	140	24108
1386.....	799	119902	528	81814	130	12794	141	25294
1387.....	818	120580	536	81762	130	13324	152	25494
1388.....	845 ⁽²⁾	114501	522	78266 ⁽²⁾	144 ^(2,3)	12527 ^(2,4)	179	23708 ^(2,4,5)
1389.....	846	126845	540	86938	132	13514	174	26393
East Azarbajejan	40	7260	28	5751	6	563	6	946
West Azarbajejan	29	4087	23	3280	3	338	3	469
Ardebil	14	1993	10	1565	1	100	3	328
Esfahan	58	8701	38	6195	7	495	13	2011
Ilam	11	1062	11	998	0	64	0	0
Bushehr	14	1255	8	937	0	0	6	318
Tehran	166	31136	58	14330	57	7038	51	9768
Chaharmahal & Bakhtiyari	9	1471	8	1279	0	0	1	192
South Khorasan.....	8	736	6	654	0	0	2	82
Khorasan-e-Razavi.....	57	9429	34	6528	6	543	17	2358
North Khorasan.....	8	866	6	716	0	0	2	150
Khuzestan.....	47	7683	29	4988	5	494	13	2201
Zanjan.....	11	1548	8	1308	0	0	3	240
Semnan.....	12	1359	10	1135	1	96	1	128
Sistan & Baluchestan	14	2112	14	2112	0	0	0	0
Fars	62	8352	45	6691	11	903	6	758
Qazvin	13	2039	6	1396	3	232	4	411
Qom	8	1809	6	1429	0	0	2	380
Kordestan	15	2201	12	1891	0	0	3	310
Kerman	28	4299	17	3018	4	200	7	1081
Kermanshah	23	3069	17	2339	2	150	4	580
Kohgiluyeh & Boyerahmad	6	688	4	588	0	0	2	100
Golestan	22	2423	14	1702	5	308	3	413
Gilan	28	3940	20	3148	6	492	2	300
Lorestan	24	2582	24	1911	0	287	0	384
Mazandaran	41	5077	28	4029	7	569	6	479
Markazi	19	1945	15	1513	1	116	3	316
Hormozgan	19	1955	13	1347	2	114	4	494
Hamedan	20	3118	15	2552	1	100	4	466
Yazd	20	2650	13	1608	4	312	3	730

1. Including establishments affiliated to the Social Security Organization, charity organizations, etc.

2. Excluding Kohgiluyeh & Boyerahmad.

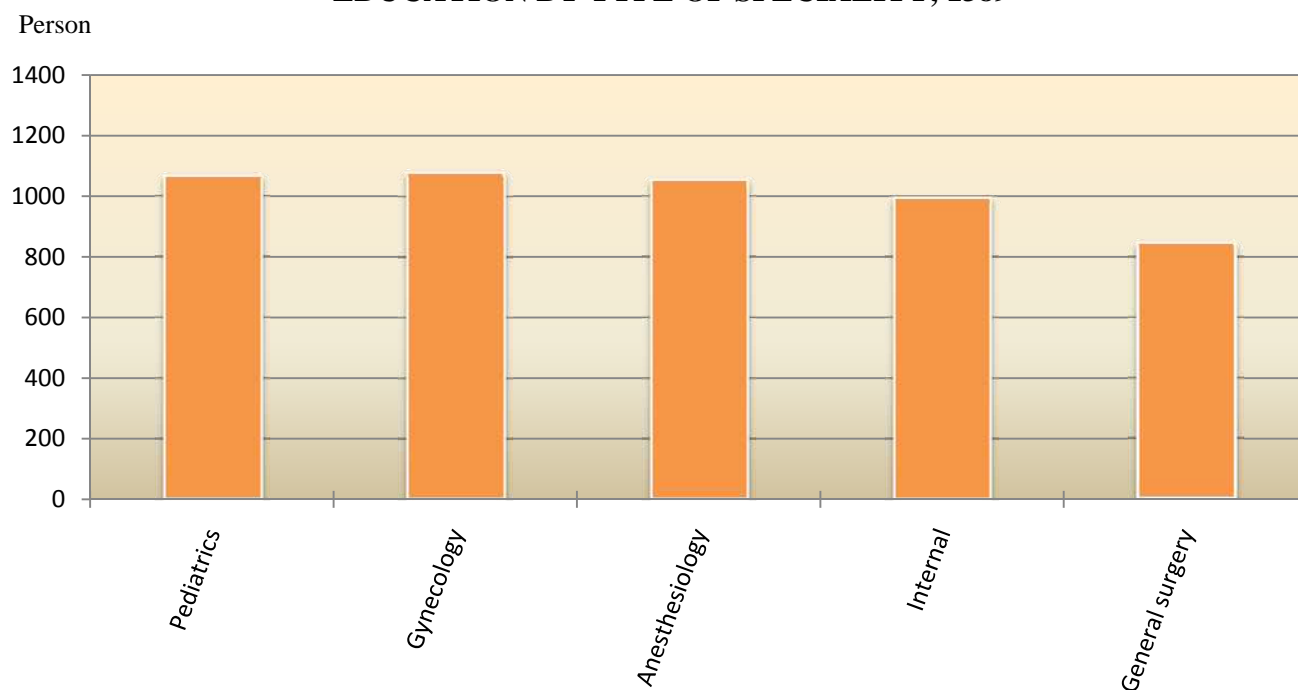
3. Excluding Semnan.

4. Excluding Kerman.

5. Excluding Qom.

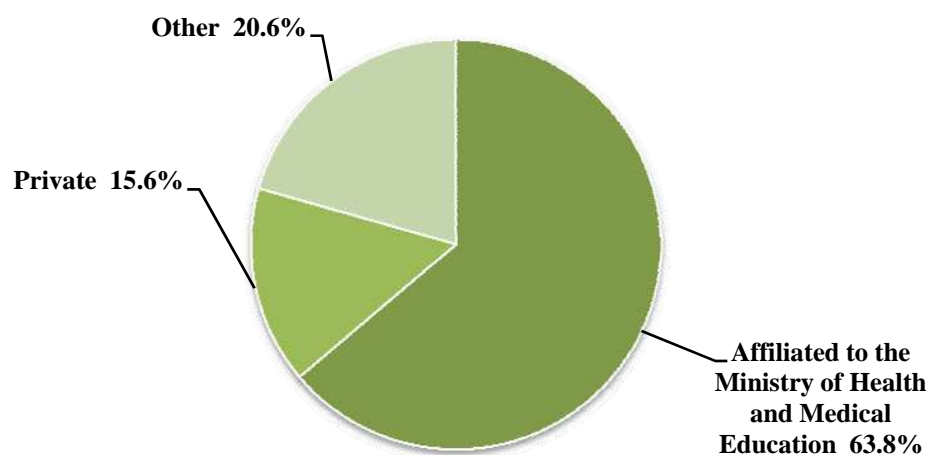
Source: Ministry of Health and Medical Education.

16. 1. PHYSICIANS EMPLOYED IN THE MINISTRY OF HEALTH AND MEDICAL EDUCATION BY TYPE OF SPECIALITY, 1389



For data see Table 16.2.

16. 2. DISTRIBUTION OF MEDICAL ESTABLISHMENTS BY LEGAL STATUS, 1389



For data see Table 16. 4.

16. 5. OPERATING MEDICAL ESTABLISHMENTS BY FIELD OF SPECIALITY

Field of speciality	1380	1385	1386	1387	1388	1389
Total	⁽¹⁾ 717	773	799	818	845	846
General practice	572	624	638	670	-	000
Speciality.....	144	149	161	148	-	000
Gynecology and obstetrics	58	53	60	60	-	000
Pediatrics	20	18	20	17	-	000
Mental health	16	21	20	21	-	000
Ophthalmology.....	5	11	12	8	-	000
Cardiovascular	8	10	9	7	-	000
Accidents and burns.....	8	6	9	8	-	000
Cancer	5	5	6	6	-	000
Neuropsychiatry	10	9	10	8	-	000
Orthopedics	4	5	4	3	-	000
Infectious diseases.....	1	2	1	1	-	000
Leprosy	2	2	1	1	-	000
Otolaryngology	1	1	2	2	-	000
Pulmonary disorders	2	1	1	1	-	000
Urology	2	2	2	1	-	000
Dermatology.....	1	1	2	1	-	000
Maxillofacial diseases.....	1	2	2	3	-	000

1. Difference between the total and sum of parts is due to the inclusion in the total of hospitals engaged in oncology and hematology practices.

Source: Ministry of Health and Medical Education.

16. 6. HEALTH AND TREATMENT CENTRES BY GEOGRAPHICAL, LEGAL AND ADMINISTRATIVE STATUS AND WORKING TIME

Year and Ostan	Geographical status			Legal status		
	Total	Urban	Rural	Affiliated to the Ministry of Health and medical Education	Private	Other
1370	4705	2722	1983	4138	174	393
1375.....	5797	3756	2041	4921	219	657
1380.....	7089	4742	2347	5675	452	962
1385.....	8288	5786	2502	6390	856	1042
1386.....	8634	6076	2558	6553	985	1096
1387.....	9142	6582	2560	6768	1073	1301
1388.....	9861	7386	2475	7546	1242	⁽¹⁾ 1073
1389.....	11018	8236	2782	8797	1260	961
East Azarbayejan.....	344	178	166	344	0	0
West Azarbayejan	361	227	134	310	38	13
Ardebil	186	125	61	152	14	20
Esfahan.....	798	697	101	600	78	120
Ilam	78	43	35	78	0	0
Bushehr	159	120	39	132	9	18
Tehran	1816	1722	94	1063	537	216
Chaharmahal&Bakhtiari	204	116	88	188	3	13
South Khorasan	141	91	50	123	1	17
Khorasan-e-Razavi.....	793	626	167	609	63	121
North Khorasan	148	95	53	124	8	16
Khuzestan.....	477	324	153	405	35	37
Zanjan	22	22	0	2	10	10
Semnan.....	139	112	27	110	5	24
Sistan&Baluchestan	459	347	112	403	35	21
Fars.....	634	403	231	507	84	43
Qazvin	154	106	48	118	23	13
Qom	154	143	11	107	27	20
Kordestan	181	99	82	161	10	10
Kerman	377	253	124	313	33	31
Kermanshah	256	182	74	207	31	18
Kohgiluyeh&Boyerahmad	87	27	60	68	11	8
Golestan	239	136	103	195	28	16
Gilan.....	527	401	126	461	32	34
Lorestan.....	195	103	92	195	0	0
Mazandaran.....	881	683	198	772	72	37
Markazi	245	168	77	212	12	21
Hormozgan.....	288	161	127	250	19	19
Hamedan	426	322	104	397	13	16
Yazd	249	204	45	191	29	29

16. 6. HEALTH AND TREATMENT CENTRES BY GEOGRAPHICAL, LEGAL AND ADMINISTRATIVE STATUS AND WORKING TIME (continued)

Year and Ostan	Type of administration		Working time	
	Independent	Dependent	Day	Day & night
1370	4150	555	3982	723
1375.....	5050	747	4641	1156
1380.....	6066	1023	5725	1364
1385.....	6779	1509	6521	1767
1386.....	6709	1925	6770	1864
1387.....	2123	7019	7159	1983
1388.....	-	-	-	-
1389.....	000	000	000	000
East Azarbayejan.....	000	000	000	000
West Azarbayejan	000	000	000	000
Ardebil	000	000	000	000
Esfahan.....	000	000	000	000
Ilam	000	000	000	000
Bushehr	000	000	000	000
Tehran	000	000	000	000
Chaharmahal&Bakhtiyari	000	000	000	000
South Khorasan	000	000	000	000
Khorasan-e-Razavi.....	000	000	000	000
North Khorasan	000	000	000	000
Khuzestan.....	000	000	000	000
Zanjan	000	000	000	000
Semnan.....	000	000	000	000
Sistan&Baluchestan	000	000	000	000
Fars.....	000	000	000	000
Qazvin	000	000	000	000
Qom	000	000	000	000
Kordestan	000	000	000	000
Kerman	000	000	000	000
Kermanshah	000	000	000	000
Kohgiluyeh&Boyerahmad	000	000	000	000
Golestan	000	000	000	000
Gilan.....	000	000	000	000
Lorestan.....	000	000	000	000
Mazandaran	000	000	000	000
Markazi	000	000	000	000
Hormozgan.....	000	000	000	000
Hamedan	000	000	000	000
Yazd	000	000	000	000

1. Including establishments affiliated to the Social Security Organization, Charity Affairs, etc.

Source: Ministry of Health and Medical Education.

16. 7. HEALTH HOMES OPERATING IN RURAL AREAS AND THE POPULATION COVERED BY OSTAN

Year and Ostan	Operating health homes	Population covered	Workers (Behvarz)		
			Both sexes	Male	Female
1375.....	14146	19363345	22143	8829	13314
1380.....	16281	000	000	000	000
1385.....	17130	21700965	19288	7122	12166
1386.....	17151	000	30147	000	000
1387.....	18060	000	29193	000	000
1388.....	17608	000	31795	12431	19364
1389.....	⁽¹⁾ 16823	000	000	000	000
East Azarbayejan.....	1152	000	000	000	000
West Azarbayejan	999	000	000	000	000
Ardebil	514	000	000	000	000
Esfahan.....	573	000	000	000	000
Ilam	197	000	000	000	000
Bushehr	221	000	000	000	000
Tehran	374	000	000	000	000
Chaharmahal&Bakhtiyari	321	000	000	000	000
South Khorasan	288	000	000	000	000
Khorasan-e-Razavi.....	1149	000	000	000	000
North Khorasan.....	371	000	000	000	000
Khuzestan.....	892	000	000	000	000
Zanjan	000	000	000	000	000
Semnan.....	137	000	000	000	000
Sistan&Baluchestan	680	000	000	000	000
Fars.....	1045	000	000	000	000
Qazvin.....	276	000	000	000	000
Qom	59	000	000	000	000
Kordestan	620	000	000	000	000
Kerman	851	000	000	000	000
Kermanshah	661	000	000	000	000
Kohgiluyeh&Boyerahmad	350	000	000	000	000
Golestan	576	000	000	000	000
Gilan.....	951	000	000	000	000
Lorestan.....	637	000	000	000	000
Mazandaran.....	1229	000	000	000	000
Markazi	397	000	000	000	000
Hormozgan.....	528	000	000	000	000
Hamedan	569	000	000	000	000
Yazd	206	000	000	000	000

1. Excluding Zanjan Ostan.

Source: Ministry of Health and Medical Education.

16. 8. MEDICAL DIAGNOSIS LABORATORIES(1) BY ADMINISTRATIVE AND LEGAL STATUS AND WORKING TIME

Year and Ostan	legal status				Type of administration		Working time	
	Total	Affiliated to the Ministry of Health and Medical Education	Private	Other	Independent	dependent	Day(2)	Day & night
1375.....	2896	1768	783	345	808	2088	2313	583
1380.....	3701	1873	1355	473	1347	2354	3001	700
1385.....	4414	2071	1768	575	1873	2541	3513	901
1386.....	4551	2134	1834	583	1948	2592	3633	907
1387.....	4955	2341	1973	641	2200	2755	4112	843
1388.....	5037	2383	2080	574	000	000	4209	828
1389 ⁽³⁾	4724	1915	2060	749	000	000	000	000
East Azarbayejan.....	000	000	000	000	000	000	000	000
West Azarbayejan.....	154	84	57	13	000	000	000	000
Ardebil.....	36	10	20	6	000	000	000	000
Esfahan.....	418	173	176	69	000	000	000	000
Ilam.....	000	000	000	000	000	000	000	000
Bushehr.....	71	50	13	8	000	000	000	000
Tehran.....	995	81	756	158	000	000	000	000
Chaharmahal&Bakhtiyari.....	224	89	15	120	000	000	000	000
South Khorasan.....	24	8	11	5	000	000	000	000
Khorasan-e-Razavi.....	410	207	132	71	000	000	000	000
North Khorasan.....	63	43	13	7	000	000	000	000
Khuzestan.....	232	86	98	48	000	000	000	000
Zanjan.....	70	42	19	9	000	000	000	000
Semnan.....	65	38	16	11	000	000	000	000
Sistan&Baluchestan.....	99	71	19	9	000	000	000	000
Fars.....	403	212	153	38	000	000	000	000
Qazvin.....	80	34	33	13	000	000	000	000
Qom.....	56	7	28	21	000	000	000	000
Kordestan.....	86	55	26	5	000	000	000	000
Kerman.....	201	108	68	25	000	000	000	000
Kermanshah.....	126	76	36	14	000	000	000	000
Kohgiluyeh&Boyerahmad.....	22	4	13	5	000	000	000	000
Golestan.....	105	50	41	14	000	000	000	000
Gilan.....	176	74	85	17	000	000	000	000
Lorestan.....	000	000	000	000	000	000	000	000
Mazandaran.....	248	116	110	22	000	000	000	000
Markazi.....	57	15	36	6	000	000	000	000
Hormozgan.....	88	55	21	12	000	000	000	000
Hamedan.....	100	55	37	8	000	000	000	000
Yazd.....	115	72	28	15	000	000	000	000

1. Excluding malaria diagnosis laboratories.

2. Including laboratories working part-time and full-time.

3. Excluding East Azarbayejan, Ilam and Lorestan Ostans.

Source: Ministry of Health and Medical Education.

16. 9. REHABILITATION CENTRES⁽¹⁾ BY ADMINISTRATIVE AND LEGAL

Year and Ostan	legal status				Type of administration	
	total	Affiliated to the Ministry of Health and Medical Education	Private	Other	Independent	Dependent
1375 ⁽²⁾	716	146	288	282	353	363
1380.....	1679	225	953	501	1071	608
1385.....	2704	319	1789	596	1956	748
1386.....	3042	349	2071	622	2230	812
1387.....	3369	373	2301	695	2551	818
1388 ⁽³⁾	4752	⁽⁴⁾ 557	3358	837	-	-
1389.....	⁽⁵⁾ 4633	353	3660	620	000	000
East Azarbayejan.....	87	000	87	000	000	000
West Azarbayejan.....	62	6	46	10	000	000
Ardebil.....	59	4	49	6	000	000
Esfahan.....	290	35	192	63	000	000
Ilam.....	000	000	000	000	000	000
Bushehr.....	45	1	33	11	000	000
Tehran.....	1184	54	986	144	000	000
Chaharmahal&Bakhtiyari ...	50	5	35	10	000	000
South Khorasan.....	58	3	46	9	000	000
Khorasan-e-Razavi.....	576	41	447	88	000	000
North Khorasan.....	46	2	35	9	000	000
Khuzestan.....	249	11	210	28	000	000
Zanjan.....	78	6	66	6	000	000
Semnan.....	54	13	20	21	000	000
Sistan&Baluchestan.....	96	18	69	9	000	000
Fars.....	403	40	336	27	000	000
Qazvin.....	80	1	71	8	000	000
Qom.....	94	7	66	21	000	000
Kordestan.....	47	13	30	4	000	000
Kerman.....	97	9	65	23	000	000
Kermanshah.....	56	4	40	12	000	000
Kohgiluyeh&Boyerahmad ..	22	1	16	5	000	000
Golestan.....	116	4	105	7	000	000
Gilan.....	176	24	137	15	000	000
Lorestan.....	48	000	48	000	000	000
Mazandaran.....	288	25	233	30	000	000
Markazi.....	97	5	82	10	000	000
Hormozgan.....	50	1	27	22	000	000
Hamedan.....	58	6	44	8	000	000
Yazd.....	67	14	39	14	000	000

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

2. Statistics for rehabilitation include physiotherapy centres only.

3. Excluding Ilam, East Azarbayejan Ostans.

4. Excluding Lorestan, Ilam, East Azarbayejan Ostans.

5. Excluding Ilam Ostan.

Source: Ministry of Health and Medical Education.

16. 10. RADIOGRAPHY CENTRES BY ADMINISTRATIVE AND LEGAL STATUS WORKING TIME

Year and Ostan	Legal status				Type of administration		Working time	
	Total	Affiliated to the Ministry of Health and Medical Education	Private	Other	Independent	Dependent	Day	Day & night
1375.....	1344	647	493	204	432	912	843	501
1380.....	1801	667	815	319	704	1097	1189	612
1385.....	2227	761	1087	379	1012	1215	1469	758
1386.....	2292	777	1128	387	1104	1179	1527	766
1387.....	2452	784	1219	449	1191	1261	1674	778
1388.....	2654	745	1451	458	-	-	⁽¹⁾ 1846	808
1389.....	⁽²⁾ 2605	⁽²⁾ 812	⁽³⁾ 1316	⁽³⁾ 477	000	000	000	000
East Azarbayejan.....	000	000	000	000	000	000	000	000
West Azarbayejan	78	31	41	6	000	000	000	000
Ardebil	33	10	17	6	000	000	000	000
Esfahan.....	196	53	100	43	000	000	000	000
Ilam	18	18	000	000	000	000	000	000
Bushehr	35	14	13	8	000	000	000	000
Tehran	781	112	505	164	000	000	000	000
Chaharmahal&Bakhtiyari	21	7	11	3	000	000	000	000
South Khorasan	21	10	8	3	000	000	000	000
Khorasan-e-Razavi.....	190	55	87	48	000	000	000	000
North Khorasan	20	9	8	3	000	000	000	000
Khuzestan.....	149	49	62	38	000	000	000	000
Zanjan	27	11	11	5	000	000	000	000
Semnan.....	33	15	8	10	000	000	000	000
Sistan&Baluchestan	34	17	13	4	000	000	000	000
Fars.....	192	80	90	22	000	000	000	000
Qazvin.....	46	14	22	10	000	000	000	000
Qom	38	7	15	16	000	000	000	000
Kordestan	39	16	15	8	000	000	000	000
Kerman	83	37	34	12	000	000	000	000
Kermanshah	60	31	21	8	000	000	000	000
Kohgiluyeh&Boyerahmad.....	17	6	8	3	000	000	000	000
Golestan	57	22	27	8	000	000	000	000
Gilan.....	76	21	53	2	000	000	000	000
Lorestan.....	54	54	000	000	000	000	000	000
Mazandaran.....	112	39	63	10	000	000	000	000
Markazi	42	14	22	6	000	000	000	000
Hormozgan.....	53	25	19	9	000	000	000	000
Hamedan	50	17	23	10	000	000	000	000
Yazd	50	18	20	12	000	000	000	000

1. Including part-time and full time centres.

2. Excluding East Azarbayejan Ostan.

3. Excluding East Azarbayejan, Ilam and Lorestan Ostans

Source: Ministry of Health and Medical Education.

16. 11. PHARMACIES BY ADMINISTRATIVE AND WORKING TIME

Year and Ostan	Legal status				Working time	
	Total	Affiliated to the Ministry of Health and Medical Education	Private	Other	Day ⁽¹⁾	Day & night
1375.....	4227	370	3712	145	3841	386
1380.....	5918	348	5360	210	5404	514
1385.....	7358	467	6650	241	6302	1056
1386.....	7601	487	6860	254	6841	760
1387.....	7965	832	6863	270	7161	804
1388(2).....	7806	383	⁽³⁾ 6929	494	6920	886
1389.....	^(4,2) 8326	^(5,4,2) 641	^(4,2) 7347	^(6,5,4,2) 338	000	000
East Azarbayejan.....	000	000	000	000	000	000
West Azarbayejan.....	310	29	264	17	000	000
Ardebil.....	132	10	113	9	000	000
Esfahan.....	672	6	660	6	000	000
Ilam.....	61	000	61	000	000	000
Bushehr.....	69	2	67	000	000	000
Tehran.....	2333	43	2197	93	000	000
Chaharmahal&Bakhtiyari.....	81	2	77	2	000	000
South Khorasan.....	60	6	48	6	000	000
Khorasan-e-Razavi.....	707	32	632	43	000	000
North Khorasan.....	73	6	63	4	000	000
Khuzestan.....	456	6	420	30	000	000
Zanjan.....	85	2	81	2	000	000
Semnan.....	70	6	54	10	000	000
Sistan&Baluchestan.....	157	5	149	3	000	000
Fars.....	550	51	479	20	000	000
Qazvin.....	124	5	115	4	000	000
Qom.....	145	6	128	11	000	000
Kordestan.....	120	11	100	9	000	000
Kerman.....	307	27	263	17	000	000
Kermanshah.....	184	19	156	9	000	000
Kohgiluyeh&Boyerahmad.....	62	4	52	6	000	000
Golestan.....	178	14	155	9	000	000
Gilan.....	000	000	000	000	000	000
Lorestan.....	181	000	181	000	000	000
Mazandaran.....	709	323	382	4	000	000
Markazi.....	142	15	123	4	000	000
Hormozgan.....	93	8	76	9	000	000
Hamedan.....	147	2	139	6	000	000
Yazd.....	118	1	112	5	000	000

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

2. Excluding East Azarbayejan.

3. Excluding Golestan.

4. Excluding Gilan.

5. Excluding Ilam and Lorestan.

6. Excluding Bushehr.

Source: Ministry of Health and Medical Education.

16. 12. ACTIVITIES OF ANTI-MALARIA CAMPAIGN CENTRES

Year	Number of slides in villages under care		Pesticides used in villages sprayed
	Tested	Positive cases	Insecticide (kg)
1370	2777896	98017	795435
1375.....	3670152	55843	157628
1380.....	1190213	18948	1670
1385.....	1136302	15869	8260
1386.....	1056689	16468	8887
1387.....	934547	11290	7248
1388.....	701559	5921	5921
1389.....	000	000	000

Source: Ministry of Health and Medical Education

16. 13. VACCINATION BY THE MINISTRY OF HEALTH AND MEDICAL EDUCATION

(1000 cases)

Year	Poliomyelitis V	Measles V	BCG.V.(TB (TB.V.))	Triple V.(D.P.T.)	Polyvalent V. (D.T.) (mixed V.)	Meningitis V	Hepatitis B.V.
1370.....	9537	3429	2810	9237	1869	346	270
1375.....	694	2873	2021	6603	6018	486	3717
1380.....	6848	2402	1121	4631	5433	915	3824
1385.....	7268	2439	1279	4686	2524	653	4206
1386.....	7158	2004	1266	4793	3235	735	4252
1387.....	6683	2725	1183	4512	2861	710	3916
1388.....	6862	3235	1277	4570	2700	671	4197
1389.....	000	000	000	000	000	000	000

Source: Ministry of Health and Medical Education.

16. 14. NUMBER OF CONTAGIOUS DISEASE CASES DIAGNOSED IN CLINICAL EXAMINATIONS

Type of disease	1370	1375	1380	1385	1386	1387	1388	1389
Chicken pox.....	40011	52362	9589	000	000	000	000	000
Kinds of diarrhea.....	1460000	471708	000	000	000	000	000	000
Mumps.....	-	-	000	000	000	000	000	000
Infectious conjunctivitis.....	477000	219861	000	22744	000	000	000	000
Trachoma.....	3554	306	351	000	000	000	000	000
Rubella.....	-	-	000	71	84	140	124	000
Measles.....	5007	2651	7780	904	938	995	1355	000
Whooping cough.....	730	85	97	86	314	905	730	000
Favus.....	28300	10840	3891	000	000	000	000	000
Tetanus.....	25	36	24	12	7	13	5	000
Rabies.....	11	8	2	10	6	13	4	000
Hepatitis.....	15742	5157	11223	11512	11667	10159	10391	000

Source: Ministry of Health and Medical Education.

16. 15. NUMBER OF CONTAGIOUS DISEASE CASES DIAGNOSED IN MEDICAL DIAGNOSIS LABORATORIES

Type of disease	1370	1375	1380	1385	1386	1387	1388	1389
Intestinal parasites.....	595000	282831	000	000	000	000	000	000
Malta fever.....	55898	30965	16471	23558	21109	18250	12685	000
Leprosy.....	191	112	96	89	71	38	46	000
Typhoid and Paratyphoid.....	28819	7690	1869	437	975	449	490	000
Diphtheria.....	163	16	12	26	38	49	60	000
Aleppo boil.....	14698	19556	14505	24517	26493	26920	23626	000
Pulmonary tuberculosis.....	11090	9989	9359	6811	6820	7032	7373	000
Gonorrhoea (gonococcus urethritis).....	794	1989	7007	6373	5993	4844	3860	000
Anthrax.....	101	178	269	161	155	177	155	000
Syphilis.....	1733	1459	484	952	153	153	88	000
Meningitis.....	230	102	319	208	184	237	201	000
Cholera.....	1890	62	105	24	57	220	18	000

Source: Ministry of Health and Medical Education.

16. 16. LEPERS ⁽¹⁾ BY SEX AND AGE

Year	Sex			Age	
	Both sexes	Male	Female	14 years and under	15 years and over
1370.....	191	132	59	37	154
1375.....	112	69	43	13	99
1380.....	96	44	52	3	93
1385.....	72	39	33	0	72
1386.....	41	24	17	0	41
1387.....	38	24	14	0	38
1388.....	46	31	15	0	46
1389.....	000	000	000	000	000

1. New cases reported for the stated year.

Source: Ministry of Health and Medical Education.

16. 17. LIVESTOCK VACCINATED AGAINST CONTAGIOUS AND NON-CONTAGIOUS DISEASES

Year	Contagious diseases									
	Pox sheep and goat (1000 heads)	Pest bovine	Foot and mouth disease		Charbon				Symptomatic charbon cow and buffalo (1000 heads)	Agalactia sheep and goat (1000 heads)
			cattle (1000 head-round) ⁽¹⁾	Sheep and goat (1000 heads)	Cattle (1000 heads)	Sheep and goat (1000 heads)	Soliped ⁽²⁾ (1000 heads)	Camel (1000 heads)		
1370.....	29106	5932	2910	4148	1829	38048	23	0	390	964
1375.....	66500	7748	4615	15786	3060	63298	47	2	562	4578
1380.....	59314	4604	9169	27872	3701	57437	38	6	831	4653
1385.....	67313	0	14043	39733	3799	57996	93	20	968	9251
1386.....	61380	0	12398	37612	3814	55089	114	24	1030	8652
1387.....	64911	0	9876	11151	4047	56252	150	27	1223	7170
1388.....	57247	0	13131	38580	3415	51231	117	30	996	7997
1389.....	55212	0	14468	53578	3006	50404	96	35	933	9725

Year	Non-contagious diseases	
	Infectious necrotic hepatitis (gangrene) sheep and goat (1000 head-round) ⁽¹⁾	Enterotoxemia sheep and goat (1000 head-round) ⁽¹⁾
1370	5585	30944
1375	10600	47040
1380	9051	42311
1385	11972	61069
1386	12800	59042
1387	12846	56346
1388	10173	50370
1389	11516	48297

1. Vaccines injected more than once a year.

2. Including horse, mule hinny and ass.

Sources: Veterinary Organization.

– Ministry of Jihad-e- Agriculture.

16. 18. CAMPAIGNS AGAINST DISEASES COMMON AMONG MAN AND LIVESTOCK

Year	Eradication of bovine tuberculosis		Control of bovine brucella of blood	
	Cows vaccinated against tuberculosis (1000 head-round)	Reactor cow (head)	Number of samples (1000)	Reactor cow (head)
1370.....	766	3566	568	4480
1375.....	1168	2558	743	3607
1380.....	1180	1626	904	3529
1385.....	1259	637	789	1938
1386.....	1331	1707	809	1881
1387.....	1404	3569	806	2005
1388.....	1220	2733	731	901
1389.....	1286	1516	785	668

Year	Control of bovine brucella				Control of rabies of vaccinated livestock	Control of glanders of mallein test (head)	
	Sheep and goat blood samples tested		Vaccinated livestock (1000 heads)			Dog	Tested horses
	Number of samples (1000)	Reactor sheep and goat (head)	Calf	Lamb and kid			
1370.....	239	11128	312	10990	16	0	0
1375.....	570	13475	613	13958	104	8479	5
1380.....	682	12307	683	9911	161	15648	0
1385.....	47	2286	1493	21818	243	17503	2
1386.....	1267	977	2394	28256	310	16692	9
1387.....	33	588	2993	32741	254	15222	23
1388.....	27	629	2152	9227	278	15209	26
1389.....	51	953	1826	8883	294	17346	59

Sources: Veterinary Organization.

- Ministry of Jihad-e-Agriculture.

16. 19. PREVENTION AND TREATMENT OF PARASITIC DISEASES BY VETERINARY CLINICS
(1000 cases - 1000 sq m)

Year	Campaign against internal parasites	Campaign against external parasites	Livestock sprinkled (pounced) with powder
		Livestock sprayed	
1370.....	161581	5534	21276
1375.....	96579	5575	16171
1380.....	83333	10927	74971
1385.....	59477	⁽¹⁾ 31124	119766
1386.....	55932	⁽¹⁾ 21812	83856
1387.....	51197	⁽²⁾ 20387	52029
1388.....	47579	⁽²⁾ 15113	49715
1389.....	47697	14484	45713

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

2. Including sprayed livestock only.

Sources: Veterinary Organization;

- Ministry of Jihad-e-Agriculture.