

Health systems

56835
83347-9473

Figures have been computed by WHO to ensure comparability; thus they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

Member State	WHO region	Human resources for health ^a												
		Physicians			Nurses			Midwives			Dentists			
		Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	
1	Afghanistan	EMR	4 104	0.19	2001	4 752	0.22	2001	...	...	...	630	0.03	2001
2	Albania	EUR	4 100	1.31	2002	11 473	3.62	2003	...	...	...	1 390	0.45	1998
3	Algeria	AFR	35 368	1.13	2002	62 177	1.99	2002	7 572	0.24	2002	9 553	0.31	2002
4	Andorra	EUR	244	3.70	2003	205	3.11	2003	10	0.15	2003	44	0.67	2003
5	Angola	AFR	1 165	0.08	2004	18 485	1.31	2004	...	...	...	222	0.02	2004
6	Antigua and Barbuda	AMR	12	0.17	1999	233	3.28	1999	...	...	...	13	0.19	1997
7	Argentina	AMR	108 800	3.01	1998	29 000	0.80	1998	...	...	...	28 900	0.80	1998
8	Armenia	EUR	10 983	3.59	2003	13 320	4.35	2003	1 433	0.47	2003	802	0.26	2003
9	Australia	WPR	47 875	2.47	2001	176 188	9.10	2001	11 649	0.60	2001	21 296	1.10	2001
10	Austria	EUR	27 413	3.38	2003	76 161	9.38	2003	1 671	0.21	2003	4 037	0.50	2003
11	Azerbaijan	EUR	29 687	3.55	2003	59 531	7.11	2003	9 803	1.17	2003	2 272	0.27	2003
12	Bahamas	AMR	312	1.05	1998	1 323	4.47	1998	...	...	...	21	0.07	1998
13	Bahrain	EMR	803	1.09	2004	2 989	4.04	2004	560	0.76	2004	342	0.46	2004
14	Bangladesh	SEAR	38 485	0.26	2004	20 334	0.14	2004	26 460	0.18	2004	2 537	0.02	2004
15	Barbados	AMR	322	1.21	1999	988	3.70	1999	...	...	...	63	0.24	1999
16	Belarus	EUR	45 027	4.55	2003	115 116	11.63	2003	5 182	0.52	2003	4 315	0.44	2003
17	Belgium	EUR	46 268	4.49	2002	60 142	5.83	2003	6 603	0.64	2001	8 322	0.81	2002
18	Belize	AMR	251	1.05	2000	303	1.26	2000	...	...	...	32	0.13	2000
19	Benin	AFR	311	0.04	2004	4 965	0.72	2004	824	0.12	2004	12	0.00	2004
20	Bhutan	SEAR	118	0.05	2004	330	0.14	2004	185	0.08	2004	58	0.02	2004
21	Bolivia	AMR	10 329	1.22	2001	18 535	2.19	2001	96	0.01	2001	5 997	0.71	2001
22	Bosnia and Herzegovina	EUR	5 576	1.34	2003	17 170	4.13	2003	1 229	0.30	2003	690	0.17	2003
23	Botswana	AFR	715	0.40	2004	4 753	2.65	2004	...	...	...	38	0.02	2004
24	Brazil	AMR	198 153	1.15	2000	659 111	3.84	2000	...	...	...	190 448	1.11	2000
25	Brunei Darussalam	WPR	336	1.01	2000	892	2.67	2000	404	1.21	2000	48	0.14	2000
26	Bulgaria	EUR	28 128	3.56	2003	29 650	3.75	2003	3 456	0.44	2003	6 475	0.82	2003
27	Burkina Faso	AFR	708	0.05	2004	4 268	0.32	2004	2 289	0.17	2004	58	0.00	2004
28	Burundi	AFR	200	0.03	2004	1 337	0.19	2004	11	0.00	2004	14	0.00	2004
29	Cambodia	WPR	2 047	0.16	2000	8 085	0.61	2000	3 040	0.23	2000	209	0.02	2000
30	Cameroon	AFR	3 124	0.19	2004	25 997	1.60	2004	45	0.00	2004	147	0.01	2004
31	Canada	AMR	66 583	2.14	2003	309 576	9.95	2003	...	...	...	18 265	0.59	2003
32	Cape Verde	AFR	231	0.49	2004	410	0.87	2004	...	...	...	11	0.02	2004
33	Central African Republic	AFR	331	0.08	2004	908	0.23	2004	705	0.18	2004	13	0.00	2004
34	Chad	AFR	345	0.04	2004	2 146	0.24	2004	353	0.04	2004	15	0.00	2004
35	Chile	AMR	17 250	1.09	2003	10 000	0.63	2003	...	...	...	6 750	0.43	2003
36	China	WPR	1 364 000	1.06	2001	1 358 000	1.05	2001	42 000	0.03	2001	136 520	0.11	2001
37	Colombia	AMR	58 761	1.35	2002	23 940	0.55	2002	...	...	...	33 951	0.78	2002
38	Comoros	AFR	115	0.15	2004	481	0.61	2004	107	0.14	2004	29	0.04	2004
39	Congo	AFR	756	0.20	2004	3 214	0.84	2004	458	0.12	2004	12	0.00	2004
40	Cook Islands	WPR	14	0.78	2001	49	2.72	2001	3	0.17	2001	10	0.56	2001
41	Costa Rica	AMR	5 204	1.32	2000	3 631	0.92	2000	22	0.01	2000	1 905	0.48	2000
42	Côte d'Ivoire	AFR	2 081	0.12	2004	7 773	0.46	2004	2 407	0.14	2004	339	0.02	2004
43	Croatia	EUR	10 820	2.44	2003	22 372	5.05	2003	1 476	0.33	2003	3 085	0.70	2003
44	Cuba	AMR	66 567	5.91	2002	83 880	7.44	2002	...	...	...	9 841	0.87	2002
45	Cyprus	EUR	1 864	2.34	2002	2 994	3.76	2002	...	...	...	650	0.82	2002
46	Czech Republic	EUR	35 960	3.51	2003	99 351	9.71	2003	4 772	0.47	2003	6 737	0.66	2003
47	Democratic People's Republic of Korea	SEAR	74 597	3.29	2003	87 330	3.85	2003	6 084	0.27	2003	8 315	0.37	2003
48	Democratic Republic of the Congo	AFR	5 827	0.11	2004	28 789	0.53	2004	...	...	...	159	0.00	2004
49	Denmark	EUR	15 653	2.93	2002	55 425	10.36	2002	1 200	0.22	2002	4 437	0.83	2002
50	Djibouti	EMR	129	0.18	2004	185	0.26	2004	111	0.16	2004	10	0.01	2004
51	Dominica	AMR	38	0.50	1997	317	4.17	1997	...	...	...	4	0.05	1997
52	Dominican Republic	AMR	15 670	1.88	2000	15 352	1.84	2000	...	...	...	7 000	0.84	2000
53	Ecuador	AMR	18 335	1.48	2000	19 549	1.57	2000	1 037	0.08	2000	2 062	0.17	2000
54	Egypt	EMR	38 485	0.54	2003	144 984	1.98	2004	1 777	0.02	2004	9 917	0.14	2004
55	El Salvador	AMR	7 938	1.24	2002	5 103	0.80	2002	...	...	...	3 465	0.54	2002



Human resources for health ^a																	
Pharmacists			Public and environmental health workers			Community health workers			Laboratory health workers			Other health workers			Health management and support workers		
Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
525	0.02	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
6 333	0.20	2002	2 534	0.08	2002	1 062	0.03	2002	8 838	0.28	2002	5 654	0.18	2002	60 316	1.93	2002
68	1.03	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
919	0.07	2004	...	...	...	...	...	...	2 029	0.14	2004	294	0.02	2004	256	0.02	2004
...
15 300	0.42	1998	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
126	0.04	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13 956	0.72	2001	...	...	...	3 812	0.20	2001	8 326	0.43	2001	38 339	1.98	2001	488 313	25.23	2001
4 869	0.60	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 842	0.22	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
460	0.62	2004	294	0.40	2004	...	0.00	2004	479	0.65	2004	1 278	1.73	2004	1 697	2.30	2004
9 411	0.06	2004	5 743	0.04	2004	46 202	0.31	2004	3 794	0.03	2004	5 847	0.04	2004	...	...	...
...
2 901	0.29	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11 775	1.14	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
11	0.00	2004	178	0.03	2004	88	0.01	2004	477	0.07	2004	130	0.02	2004	3 279	0.47	2004
79	0.03	2004	71	0.03	2004	464	0.20	2004	136	0.06	2004	143	0.06	2004	1 197	0.51	2004
4 670	0.55	2001	...	...	...	1 579	0.19	2001	...	...	...	3 399	0.40	2001	8 069	0.95	2001
363	0.09	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
333	0.19	2004	172	0.10	2004	...	...	...	277	0.15	2004	829	0.46	2004	...	...	...
51 317	0.30	2000	167 080	0.97	2000	...	...	...	89 677	0.52	2000	191 518	1.11	2000	839 376	4.89	2000
90	0.27	2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 020	0.13	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
343	0.03	2004	46	0.00	2004	1 406	0.10	2004	418	0.03	2004	1 755	0.13	2004	210	0.02	2004
76	0.01	2004	...	...	...	657	0.09	2004	147	0.02	2004	1 186	0.17	2004	2 087	0.30	2004
564	0.04	2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
700	0.04	2004	28	0.00	2004	...	...	...	1 793	0.11	2004	16	0.00	2004	5 902	0.36	2004
20 765	0.67	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43	0.09	2004	9	0.02	2004	65	0.14	2004	78	0.16	2004	42	0.09	2004	74	0.16	2004
17	0.00	2004	55	0.01	2004	211	0.05	2004	48	0.01	2004	461	0.12	2004	167	0.04	2004
37	0.00	2004	230	0.03	2004	268	0.03	2004	317	0.04	2004	153	0.02	2004	1 502	0.17	2004
...
359 000	0.28	2001	...	...	...	109 000	0.08	2001	203 000	0.16	2001	1 061 000	0.82	2001	1 077 000	0.83	2001
...
41	0.05	2004	17	0.02	2004	41	0.05	2004	63	0.08	2004	10	0.01	2004	271	0.34	2004
99	0.03	2004	9	0.00	2004	124	0.03	2004	554	0.15	2004	957	0.25	2004	987	0.26	2004
2	0.11	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 101	0.53	2000	1 266	0.32	2000	5 071	1.29	2000	...	...	...	7 379	1.88	2000	18 406	4.68	2000
1 015	0.06	2004	155	0.01	2004	...	...	...	1 165	0.07	2004	172	0.01	2004	2 107	0.12	2004
2 348	0.53	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
144	0.18	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 610	0.55	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13 497	0.60	2003	2 685	0.12	2003	...	...	...	950	0.04	2003	67 957	3.00	2003	...	...	...
1 200	0.02	2004	...	...	...	...	...	...	512	0.01	2004	1 042	0.02	2004	15 013	0.28	2004
2 638	0.49	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	0.03	2004	...	...	...	23	0.03	2004	84	0.12	2004	159	0.22	2004	232	0.33	2004
...
3 330	0.40	2000
...
7 119	0.10	2004	9 531	0.13	2004	20 011	0.27	2004	3 694	0.05	2004	5 167	0.07	2004
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	Member State	WHO region	Human resources for health ^a											
			Physicians			Nurses			Midwives			Dentists		
			Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
56	Equatorial Guinea	AFR	153	0.30	2004	218	0.43	2004	53	0.10	2004	15	0.03	2004
57	Eritrea	AFR	215	0.05	2004	2 365	0.55	2004	140	0.03	2004	16	0.00	2004
58	Estonia	EUR	6 118	4.48	2000	11 618	8.50	2000	469	0.34	2000	1 747	1.28	2000
59	Ethiopia	AFR	1 936	0.03	2003	14 270	0.20	2003	1 274	0.02	2003	93	0.00	2003
60	Fiji	WPR	271	0.34	1999	1 576	1.96	1999	...	...	...	32	0.04	1999
61	Finland	EUR	16 446	3.16	2002	74 450	14.33	2002	3 952	0.76	2002	6 674	1.28	2002
62	France	EUR	203 487	3.37	2004	437 525	7.24	2004	15 684	0.26	2003	40 904	0.68	2004
63	Gabon	AFR	395	0.29	2004	6 275	4.64	2004	503	0.37	2004	66	0.05	2004
64	Gambia	AFR	156	0.11	2003	1 618	1.13	2003	263	0.18	2003	43	0.03	2003
65	Georgia	EUR	20 962	4.09	2003	17 807	3.47	2003	1 495	0.29	2003	1 438	0.28	2003
66	Germany	EUR	277 885	3.37	2003	801 677	9.72	2003	8 559	0.10	2002	64 609	0.78	2003
67	Ghana	AFR	3 240	0.15	2004	15 797	0.74	2004	3 910	0.18	2004	393	0.02	2004
68	Greece	EUR	47 944	4.38	2001	42 129	3.86	2000	1 916	0.18	2001	12 394	1.13	2001
69	Grenada	AMR	41	0.50	1997	303	3.70	1997	...	...	...	7	0.09	1997
70	Guatemala	AMR	9 965	0.90	1999	44 986	4.05	1999	...	...	...	2 046	0.18	1999
71	Guinea	AFR	987	0.11	2004	4 061	0.47	2004	347	0.04	2004	60	0.01	2004
72	Guinea-Bissau	AFR	188	0.12	2004	912	0.59	2004	160	0.10	2004	22	0.01	2004
73	Guyana	AMR	366	0.48	2000	1 738	2.29	2000	...	...	...	30	0.04	2000
74	Haiti	AMR	1 949	0.25	1998	834	0.11	1998	...	...	...	94	0.01	1998
75	Honduras	AMR	3 676	0.57	2000	8 333	1.29	2000	195	0.03	2000	1 371	0.21	2000
76	Hungary	EUR	32 877	3.33	2003	87 381	8.85	2003	2 032	0.21	2003	5 364	0.54	2003
77	Iceland	EUR	1 056	3.62	2004	3 954	13.63	2003	200	0.69	2003	283	1.00	2000
78	India	SEAR	645 825	0.60	2004	865 135	0.80	2004	506 924	0.47	2004	61 424	0.06	2004
79	Indonesia	SEAR	29 499	0.13	2003	125 621	0.57	2003	54 338	0.25	2003	7 093	0.03	2003
80	Iran (Islamic Republic of)	EMR	60 791	0.87	2004	83 175	1.19	2004	13 087	0.19	2004	13 135	0.19	2004
81	Iraq	EMR	17 022	0.66	2004	32 304	1.25	2004	1 701	0.07	2004	11 489	0.44	2004
82	Ireland	EUR	11 141	2.79	2004	60 774	15.20	2004	16 486	4.27	2001	2 237	0.56	2004
83	Israel	EUR	24 577	3.82	2003	40 280	6.26	2003	1 202	0.19	2003	7 510	1.17	2003
84	Italy	EUR	241 000	4.20	2004	312 377	5.44	2003	...	...	...	33 000	0.58	2004
85	Jamaica	AMR	2 253	0.85	2003	4 374	1.65	2003	...	...	...	212	0.08	2003
86	Japan	WPR	251 889	1.98	2002	993 628	7.79	2002	24 511	0.19	2000	90 510	0.71	2002
87	Jordan	EMR	11 398	2.03	2004	16 527	2.94	2004	1 669	0.30	2004	7 270	1.29	2004
88	Kazakhstan	EUR	54 613	3.54	2003	92 773	6.01	2003	8 018	0.52	2003	5 215	0.34	2003
89	Kenya	AFR	4 506	0.14	2002	37 113	1.18	2002	...	...	...	1 340	0.04	2002
90	Kiribati	WPR	24	0.30	1998	191	2.36	1998	...	...	...	4	0.05	1998
91	Kuwait	EMR	3 589	1.53	2001	9 197	3.91	2001	...	...	...	673	0.29	2001
92	Kyrgyzstan	EUR	12 902	2.51	2003	31 557	6.14	2003	2 663	0.52	2003	992	0.19	2003
93	Lao People's Democratic Republic	WPR	...	...	...	...	...	...	...	...	...	...	...	...
94	Latvia	EUR	6 940	3.01	2003	12 150	5.27	2003	482	0.21	2003	1 287	0.56	2003
95	Lebanon	EMR	11 505	3.25	2001	4 157	1.18	2001	...	...	...	4 283	1.21	2001
96	Lesotho	AFR	89	0.05	2003	1 123	0.62	2003	...	...	...	16	0.01	2003
97	Liberia	AFR	103	0.03	2004	589	0.17	2004	446	0.13	2004	13	0.00	2004
98	Libyan Arab Jamahiriya	EMR	6 371	1.29	1997	17 779	3.60	1997	...	...	...	693	0.14	1997
99	Lithuania	EUR	13 682	3.97	2003	26 229	7.62	2003	1 132	0.33	2003	2 372	0.69	2003
100	Luxembourg	EUR	1 206	2.66	2003	4 151	9.16	2003	114	0.25	2003	323	0.71	2003
101	Madagascar	AFR	5 201	0.29	2004	3 585	0.20	2004	2 076	0.12	2004	410	0.02	2004
102	Malawi	AFR	266	0.02	2004	7 264	0.59	2004	...	...	...	...	...	...
103	Malaysia	WPR	16 146	0.70	2000	31 129	1.35	2000	7 711	0.34	2000	2 144	0.09	2000
104	Maldives	SEAR	302	0.92	2004	886	2.70	2004	...	...	...	14	0.04	2004
105	Mali	AFR	1 053	0.08	2004	5 986	0.45	2004	2 352	0.18	2004	84	0.01	2004
106	Malta	EUR	1 254	3.18	2003	2 298	5.83	2003	125	0.32	2003	167	0.42	2003
107	Marshall Islands	WPR	24	0.47	2000	152	2.98	2000	...	...	...	4	0.08	2000
108	Mauritania	AFR	313	0.11	2004	1 658	0.56	2004	235	0.08	2004	64	0.02	2004
109	Mauritius	AFR	1 303	1.06	2004	4 438	3.60	2004	166	0.13	2004	233	0.19	2004
110	Mexico	AMR	195 897	1.98	2000	88 678	0.90	2000	...	...	...	78 281	0.79	2000



Human resources for health ^a																	
Pharmacists			Public and environmental health workers			Community health workers			Laboratory health workers			Other health workers			Health management and support workers		
Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
121	0.24	2004	18	0.04	2004	1 275	2.51	2004	84	0.17	2004	...	...	...	74	0.15	2004
107	0.02	2004	88	0.02	2004	...	...	...	248	0.06	2004	56	0.01	2004	765	0.18	2004
580	0.42	2000	115	0.08	2000	5 242	3.83	2000	...	...	...	597	0.44	2000	10 859	7.94	2000
1 343	0.02	2003	1 347	0.02	2003	18 652	0.26	2003	2 703	0.04	2003	7 354	0.10	2003	...	...	...
59	0.07	1999	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 829	1.12	2002	...	...	...	...	...	...	10 119	1.95	2002	19 202	3.69	2002	...	...	...
63 909	1.06	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
63	0.05	2004	150	0.11	2004	...	...	...	276	0.20	2004	197	0.15	2004	144	0.11	2004
48	0.03	2003	33	0.02	2003	968	0.68	2003	99	0.07	2003	3	0.00	2003	391	0.27	2003
352	0.07	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
47 956	0.58	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 388	0.06	2004	...	...	...	...	...	...	899	0.04	2004	7 132	0.33	2004	19 151	0.90	2004
8 977	0.82	2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
...
530	0.06	2004	135	0.02	2004	93	0.01	2004	268	0.03	2004	430	0.05	2004	511	0.06	2004
40	0.03	2004	13	0.01	2004	4 486	2.92	2004	230	0.15	2004	61	0.04	2004	38	0.02	2004
...
...
926	0.14	2000	215	0.03	2000	...	...	...	...	...	...	2 936	0.45	2000	...	...	...
5 125	0.52	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
374	1.30	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
592 577	0.56	2003	...	...	...	50 393	0.05	2004	...	...	...	1 101 485	1.03	2003	...	...	...
7 580	0.03	2003	6 493	0.03	2003	...	0.00	2003	8 882	0.04	2003	20 981	0.10	2003	228 095	1.04	2003
14 140	0.20	2004	10 004	0.14	2004	25 242	0.36	2004	20 049	0.29	2004	84 207	1.21	2004	72 905	1.04	2004
13 775	0.53	2004	2 601	0.10	2004	1 968	0.08	2004	12 184	0.47	2004	20 340	0.79	2004	34 273	1.33	2004
3 898	0.97	2004	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 480	0.70	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
66 119	1.15	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
154 428	1.21	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17 654	3.14	2004	1 412	0.25	2004	1 000	0.18	2004	5 630	1.00	2004	6 569	1.17	2004	17 668	3.15	2004
10 390	0.67	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3 094	0.10	2004	6 496	0.20	2004	...	...	...	7 000	0.22	2004	5 610	0.17	2004	1 797	0.06	2004
4	0.05	1998	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
722	0.31	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
158	0.03	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
...
3 359	0.95	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
62	0.03	2003	55	0.03	2003	...	...	...	146	0.08	2003	35	0.02	2003	6	0.00	2003
35	0.01	2004	150	0.04	2004	142	0.04	2004	218	0.06	2004	540	0.15	2004	518	0.15	2004
1 225	0.25	1997	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 390	0.69	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
371	0.82	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
175	0.01	2004	130	0.01	2004	385	0.02	2004	172	0.01	2004	530	0.03	2004	6 036	0.34	2004
...	...	...	26	0.00	2004	...	...	...	46	0.00	2004	707	0.06	2004	...	...	...
2 333	0.10	2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
241	0.73	2004	...	...	...	919	2.80	2004	168	0.51	2004	14	0.04	2004	...	...	...
351	0.03	2004	231	0.02	2004	68	0.01	2004	264	0.02	2004	377	0.03	2004	652	0.05	2004
800	2.03	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	0.04	2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
81	0.03	2004	...	...	...	429	0.14	2004	106	0.04	2004	48	0.02	2004	1 056	0.35	2004
1 428	1.16	2004	238	0.19	2004	236	0.19	2004	324	0.26	2004	145	0.12	2004	2 027	1.64	2004
3 189	0.03	2000	45 482	0.46	2000	236 861	2.39	2000	412 319	4.17	2000

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Member State	WHO region	Human resources for health ^a												
		Physicians			Nurses			Midwives			Dentists			
		Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	
111	Micronesia (Federated States of)	WPR	64	0.60	2000	410	3.83	2000	7	0.07	2000	14	0.13	2000
112	Monaco	EUR	...	...	...	...	...	...	...	...	...	...	...	...
113	Mongolia	WPR	6 732	2.63	2002	8 214	3.21	2002	612	0.24	2002	337	0.13	2002
114	Montenegro	EUR	...	...	...	...	...	...	...	...	...	...	...	...
115	Morocco	EMR	15 991	0.51	2004	22 250	0.72	2004	2 078	0.07	2004	3 091	0.10	2004
116	Mozambique	AFR	514	0.03	2004	3 947	0.21	2004	2 236	0.12	2004	159	0.01	2004
117	Myanmar	SEAR	17 791	0.36	2004	9 899	0.20	2004	39 442	0.79	2004	1 396	0.03	2004
118	Namibia	AFR	598	0.30	2004	6 145	3.06	2004	...	...	...	113	0.06	2004
119	Nauru	WPR	...	...	...	...	...	...	...	...	...	...	...	...
120	Nepal	SEAR	5 384	0.21	2004	5 664	0.22	2004	6 161	0.24	2004	359	0.01	2004
121	Netherlands	EUR	50 854	3.15	2003	221 783	13.73	2003	1 940	0.12	2003	7 759	0.48	2003
122	New Zealand	WPR	9 027	2.37	2001	31 128	8.16	2001	2 121	0.56	2001	2 586	0.68	2001
123	Nicaragua	AMR	2 045	0.37	2003	5 862	1.07	2003	...	...	...	243	0.04	2003
124	Niger	AFR	296	0.02	2004	2 421	0.20	2004	397	0.03	2004	15	0.00	2004
125	Nigeria	AFR	34 923	0.28	2003	127 580	1.03	2003	82 726	0.67	2003	2 482	0.02	2003
126	Niue	WPR	...	...	...	...	...	...	...	...	...	...	...	...
127	Norway	EUR	14 200	3.13	2003	67 274	14.84	2003	2 243	0.49	2003	3 733	0.82	2003
128	Oman	EMR	3 871	1.32	2004	10 273	3.50	2004	16	0.01	2004	544	0.19	2004
129	Pakistan	EMR	116 298	0.74	2004	48 446	0.31	2004	23 318	0.15	2004	7 862	0.05	2004
130	Palau	WPR	20	1.11	1998	26	1.44	1998	1	0.06	1998	2	0.11	1998
131	Panama	AMR	4 431	1.50	2000	8 158	2.77	2000	...	...	...	2 231	0.76	2000
132	Papua New Guinea	WPR	275	0.05	2000	2 841	0.53	2000	...	...	...	90	0.02	2000
133	Paraguay	AMR	6 355	1.11	2002	9 727	1.69	2002	534	0.09	2002	3 182	0.55	2002
134	Peru	AMR	29 799	1.17	1999	17 108	0.67	1999	...	...	...	2 809	0.11	1999
135	Philippines	WPR	44 287	0.58	2000	127 595	1.69	2000	33 963	0.45	2000	8 564	0.11	2000
136	Poland	EUR	95 272	2.47	2003	188 898	4.90	2003	21 997	0.57	2002	11 451	0.30	2003
137	Portugal	EUR	34 440	3.42	2003	43 860	4.36	2003	824	0.08	2000	5 510	0.55	2003
138	Qatar	EMR	1 310	2.22	2001	2 917	4.94	2001	...	...	...	220	0.37	2001
139	Republic of Korea	WPR	75 045	1.57	2003	83 333	1.75	2003	8 728	0.19	2000	16 033	0.34	2003
140	Republic of Moldova	EUR	11 246	2.64	2003	25 848	6.06	2003	991	0.23	2003	1 403	0.33	2003
141	Romania	EUR	42 538	1.90	2003	86 802	3.89	2003	5 571	0.25	2003	4 919	0.22	2003
142	Russian Federation	EUR	609 043	4.25	2003	1 153 683	8.05	2003	67 403	0.47	2003	45 972	0.32	2003
143	Rwanda	AFR	432	0.05	2004	3 570	0.42	2004	77	0.01	2004	21	0.00	2004
144	Saint Kitts and Nevis	AMR	51	1.19	1997	216	5.02	1997	...	...	...	8	0.19	1997
145	Saint Lucia	AMR	749	5.17	1999	331	2.28	1999	...	...	...	9	0.06	1999
146	Saint Vincent and the Grenadines	AMR	101	0.87	1997	276	2.38	1997	...	...	...	6	0.05	1997
147	Samoa	WPR	120	0.70	1999	346	2.02	1999	3	0.02	1999	30	0.18	1999
148	San Marino	EUR	...	...	...	...	...	...	...	...	...	...	...	...
149	Sao Tome and Principe	AFR	81	0.49	2004	256	1.55	2004	52	0.32	2004	11	0.07	2004
150	Saudi Arabia	EMR	34 261	1.37	2004	74 114	2.97	2004	...	...	...	4 235	0.17	2004
151	Senegal	AFR	594	0.06	2004	2 606	0.25	2004	681	0.07	2004	97	0.01	2004
152	Serbia	EUR	...	...	...	...	...	...	...	...	...	...	...	...
153	Seychelles	AFR	121	1.51	2004	634	7.93	2004	...	...	...	94	1.18	2004
154	Sierra Leone	AFR	162	0.03	2004	1 211	0.23	2004	1 299	0.25	2004	5	0.00	2004
155	Singapore	WPR	5 747	1.40	2001	17 398	4.24	2001	...	...	...	1 087	0.26	2001
156	Slovakia	EUR	17 172	3.18	2003	36 569	6.77	2003	1 456	0.27	2003	2 364	0.44	2003
157	Slovenia	EUR	4 475	2.25	2002	14 327	7.21	2002	654	0.33	2001	1 199	0.60	2002
158	Solomon Islands	WPR	54	0.13	1999	338	0.80	1999	23	0.05	1999	26	0.06	1999
159	Somalia	EMR	310	0.04	1997	1 486	0.19	1997	...	...	...	15	0.00	1997
160	South Africa	AFR	34 829	0.77	2004	184 459	4.08	2004	...	...	...	5 995	0.13	2004
161	Spain	EUR	135 300	3.30	2003	315 200	7.68	2003	6 291	0.15	2001	20 005	0.49	2003
162	Sri Lanka	SEAR	10 479	0.55	2004	23 030	1.20	2004	10 401	0.54	2004	1 245	0.06	2004
163	Sudan	EMR	7 552	0.22	2004	17 656	0.51	2004	13 840	0.40	2004	1 082	0.03	2004
164	Suriname	AMR	191	0.45	2000	688	1.62	2000	...	...	...	4	0.01	2000
165	Swaziland	AFR	171	0.16	2004	4 590	4.24	2004	2 238	2.07	2004	32	0.03	2004



Human resources for health ^a																	
Pharmacists			Public and environmental health workers			Community health workers			Laboratory health workers			Other health workers			Health management and support workers		
Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
...	
...	
1 093	0.43	2002	85	0.03	2002	3 758	1.47	2002	...	...		3 389	1.32	2002	...	...
...	
7 366	0.24	2004	737	0.02	2004	...	...		1 470	0.05	2004	1 123	0.04	2004	6 300	0.20	2004
618	0.03	2004	564	0.03	2004	...	...		941	0.05	2004	1 659	0.09	2004	9 491	0.49	2004
127	0.00	2004	1 757	0.04	2004	49 531	0.99	2004	2 241	0.04	2004	2 077	0.04	2004	49 661	0.99	2004
288	0.14	2004	240	0.12	2004	...	...		481	0.24	2004	597	0.30	2004	7 782	3.87	2004
...	
358	0.01	2004	172	0.01	2004	16 206	0.63	2004	3 209	0.12	2004	1 892	0.07	2004	...	...
3 134	0.19	2003	...	...		...	...		...	...		...	...		...	...
3 495	0.92	2001	...	...		30 987	8.12	2001	3 696	0.97	2001	17 013	4.46	2001	...	...
...	
20	0.00	2004	268	0.02	2004	...	...		294	0.02	2004	485	0.04	2004	241	0.02	2004
6 344	0.05	2004	...	...		115 761	0.91	2004	690	0.01	2004	1 220	0.01	2004	...	...
...	
1 675	0.37	2003	...	...		...	...		...	...		...	...		...	...
1 551	0.53	2004	173	0.06	2004	...	...		1 049	0.36	2004	1 256	0.43	2004	3 898	1.33	2004
8 102	0.05	2004	106	0.00	2004	65 999	0.42	2004	9 744	0.06	2004	19 082	0.12	2004	203 337	1.29	2004
1	0.06	1998	...	...		...	...		...	...		...	...		...	...
2 526	0.86	2000	948	0.32	2000	1 359	0.46	2000	...	...		870	0.29	2000	6 862	2.33	2000
...	
1 868	0.33	2002	133	0.02	2002	6 598	1.15	2002	...	...		2 235	0.39	2002	...	...
...	
2 482	0.03	2000	...	...		...	...		...	...		90 788	1.20	2000	...	...
25 397	0.66	2003	...	...		...	...		...	...		...	...		...	...
9 543	0.95	2003	...	...		...	...		...	...		...	...		...	...
530	0.90	2001	...	...		...	...		...	...		...	...		...	...
50 623	1.08	2000	...	...		...	...		...	...		...	...		...	...
2 061	0.48	2003	...	...		...	...		...	...		...	...		...	...
1 275	0.06	2003	...	...		...	...		...	...		...	...		...	...
11 404	0.08	2003	72 515	0.50	2000	435 093	2.99	2000	...	...		670 768	4.61	2000	...	...
278	0.03	2004	101	0.01	2004	12 557	1.48	2004	39	0.00	2004	490	0.06	2004	862	0.10	2004
...	
...	
5	0.03	1999	...	...		...	...		...	...		...	...		...	...
...	
24	0.15	2004	19	0.12	2004	374	2.27	2004	51	0.31	2004	291	1.76	2004	288	1.75	2004
5 485	0.22	2004	...	...		...	...		...	...		39 073	1.57	2004	...	...
85	0.01	2004	705	0.07	2004	...	...		66	0.01	2004	704	0.07	2004	564	0.05	2004
...	
61	0.76	2004	77	0.96	2004	...	...		59	0.74	2004	35	0.44	2004	...	...
340	0.07	2004	136	0.03	2004	558	0.11	2004	...	...		4	0.00	2004	6	0.00	2004
1 141	0.28	2001	...	...		...	...		...	...		...	...		...	...
2 783	0.52	2003	...	...		...	...		...	...		...	...		...	...
790	0.40	2002	...	...		...	...		...	...		...	...		...	...
28	0.07	1999	...	...		...	...		...	...		...	...		...	...
8	0.00	1997	...	...		...	...		...	...		...	...		...	...
12 521	0.28	2004	2 529	0.06	2004	14 306	0.32	2004	2 002	0.04	2004	40 492	0.90	2004	22 859	0.51	2004
35 800	0.87	2003	...	...		...	...		...	...		...	...		...	...
1 066	0.06	2004	1 541	0.08	2004	...	...		1 252	0.07	2004	1 546	0.08	2004	112	0.01	2004
3 558	0.10	2004	2 897	0.08	2004	5 797	0.17	2004	3 115	0.09	2004	8 667	0.25	2004	35 374	1.03	2004
...	
70	0.06	2004	110	0.10	2004	4 700	4.34	2004	77	0.07	2004	616	0.57	2004	310	0.29	2004

Health systems

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Figures have been computed by WHO to ensure comparability; thus they are not necessarily the official statistics of Member States, which may use alternative rigorous methods.

	Member State	WHO region	Human resources for health ^a											
			Physicians			Nurses			Midwives			Dentists		
			Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
166	Sweden	EUR	29 122	3.28	2002	90 758	10.24	2002	6 247	0.70	2002	7 270	0.82	2002
167	Switzerland	EUR	25 921	3.61	2002	77 120	10.75	2000	2 033	0.28	2000	3 598	0.50	2003
168	Syrian Arab Republic	EMR	23 742	1.40	2001	32 938	1.94	2001	...	...	...	12 206	0.72	2001
169	Tajikistan	EUR	12 697	2.03	2003	28 586	4.58	2003	3 780	0.61	2003	945	0.15	2003
170	Thailand	SEAR	22 435	0.37	2000	171 605	2.82	2000	872	0.01	2000	10 459	0.17	2000
171	The former Yugoslav Republic of Macedonia	EUR	4 459	2.19	2001	10 553	5.19	2001	1 456	0.72	2001	1 125	0.55	2001
172	Timor-Leste	SEAR	79	0.10	2004	1 467	1.79	2004	328	0.40	2004	45	0.05	2004
173	Togo	AFR	225	0.04	2004	1 667	0.33	2004	270	0.05	2004	19	0.00	2004
174	Tonga	WPR	35	0.34	2001	322	3.16	2001	19	0.19	2001	33	0.32	2001
175	Trinidad and Tobago	AMR	1 004	0.79	1997	3 653	2.87	1997	...	...	...	107	0.08	1997
176	Tunisia	EMR	13 330	1.34	2004	25 654	2.58	2004	2 883	0.29	2004	2 452	0.25	2004
177	Turkey	EUR	96 000	1.35	2003	121 000	1.70	2003	...	...	...	17 200	0.24	2003
178	Turkmenistan	EUR	20 032	4.18	2002	43 359	9.04	2002	...	...	...	876	0.18	2002
179	Tuvalu	WPR	6	0.55	2002	29	2.64	2002	10	0.91	2002	2	0.18	2002
180	Uganda	AFR	2 209	0.08	2004	14 805	0.55	2004	4 164	0.16	2004	363	0.01	2004
181	Ukraine	EUR	143 202	2.95	2003	369 755	7.62	2003	24 496	0.50	2003	19 354	0.40	2003
182	United Arab Emirates	EMR	5 825	2.02	2001	12 045	4.18	2001	...	...	...	954	0.33	2001
183	United Kingdom	EUR	133 641	2.30	1997	704 332	12.12	1997	36 399	0.63	1997	58 729	1.01	1997
184	United Republic of Tanzania	AFR	822	0.02	2002	10 729	0.30	2002	2 563	0.07	2002	267	0.01	2002
185	United States of America	AMR	730 801	2.56	2000	2 669 603	9.37	2000	...	...	...	463 663	1.63	2000
186	Uruguay	AMR	12 384	3.65	2002	2 880	0.85	2002	...	...	...	3 936	1.16	2002
187	Uzbekistan	EUR	71 623	2.74	2003	256 183	9.82	2003	21 270	0.82	2003	3 606	0.14	2003
188	Vanuatu	WPR	20	0.11	1997	428	2.35	1997	...	...	...	...	...	...
189	Venezuela (Bolivarian Republic of)	AMR	48 000	1.94	2001	15 020	0.66	1997	...	...	...	13 680	0.55	2001
190	Viet Nam	WPR	42 327	0.53	2001	44 539	0.56	2001	14 662	0.19	2001	...	...	...
191	Yemen	EMR	6 739	0.33	2004	13 333	0.64	2004	413	0.02	2004	850	0.04	2004
192	Zambia	AFR	1 264	0.12	2004	16 990	1.56	2004	5 020	0.46	2004	491	0.04	2004
193	Zimbabwe	AFR	2 086	0.16	2004	9 357	0.72	2004	...	...	...	310	0.02	2004
194	The former state union of Serbia and Montenegro ^b	EUR	21 738	2.06	2002	48 875	4.64	2002	2 864	0.27	2002	3 792	0.36	2002

Region	WHO region	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
African Region	AFR	150 708	0.21	...	663 942	0.93	...	...	...	...	23 964	0.03	...
Region of the Americas	AMR	1 624 583	1.94	...	4 063 609	4.88	...	...	...	...	880 636	1.05	...
South-East Asia Region	SEAR	844 994	0.52	...	1 311 301	0.81	...	...	...	...	92 945	0.06	...
European Region	EUR	2 810 063	3.20	...	6 529 455	7.43	...	...	...	...	450 624	0.52	...
Eastern Mediterranean Region	EMR	383 426	0.74	...	577 161	1.11	...	...	...	...	81 953	0.16	...
Western Pacific Region	WPR	1 869 216	1.10	...	2 891 839	1.70	...	...	...	...	279 779	0.17	...
Global		7 682 990	1.23	...	16 037 307	2.56	...	...	...	...	1 809 901	0.29	...

... Data not available or not applicable; AFR, African Region; AMR, Region of the Americas; SEAR, South-East Asia Region; EUR, European Region; EMR, Eastern Mediterranean Region; WPR, Western Pacific Region.

The global values for rates and ratios are weighted averages; for absolute numbers they are the sums of all WHO regions.

^a a Global Atlas of the Health Workforce [online database]. World Health Organization. (http://who.int/globalatlas/autologin/hrh_login.asp, accessed 1 March 2007).

^b See footnote o to the table on Health status: mortality.



Human resources for health^a

Pharmacists			Public and environmental health workers			Community health workers			Laboratory health workers			Other health workers			Health management and support workers		
Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year	Number	Density per 1 000 population	Year
5 885	0.66	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 322	0.60	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8 862	0.52	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
680	0.11	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15 480	0.25	2000	2 151	0.04	2000	39 780	0.65	2000	...	...	...	14 117	0.23	2000	117 384	1.93	2000
309	0.15	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	0.02	2004	22	0.03	2004	1 657	2.02	2004	36	0.04	2004	18	0.02	2004	184	0.22	2004
134	0.03	2004	289	0.06	2004	475	0.09	2004	528	0.11	2004	606	0.12	2004	1 335	0.27	2004
17	0.17	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
2 909	0.29	2004	890	0.09	2004	...	...	...	3 936	0.40	2004	10 799	1.09	2004	15 955	1.61	2004
22 500	0.32	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 626	0.34	2002	...	...	...	...	...	...	...	...	...	7 846	1.64	2002	...	...	...
1	0.09	2002	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
688	0.03	2004	1 042	0.04	2004	...	...	...	1 702	0.06	2004	4 128	0.15	2004	6 344	0.24	2004
23 576	0.48	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 086	0.38	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29 726	0.51	1997	14 439	0.25	1997	490 002	8.43	1997	20 035	0.34	1997	161 490	2.78	1997	741 664	12.77	1997
365	0.01	2002	1 831	0.05	2002	...	...	...	1 520	0.04	2002	29 722	0.82	2002	689	0.02	2002
249 642	0.88	2000	...	...	...	...	...	...	651 035	2.28	2000	4 138 567	14.52	2000	7 056 080	24.76	2000
...
899	0.03	2003	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...
...
5 977	0.08	2001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 638	0.13	2004	792	0.04	2004	6 025	0.29	2004	4 709	0.23	2004	4 580	0.22	2004	10 902	0.53	2004
1 039	0.10	2004	1 027	0.09	2004	...	...	...	1 415	0.13	2004	3 330	0.30	2004	10 853	0.99	2004
883	0.07	2004	1 803	0.14	2004	581	0.04	2004	917	0.07	2004	743	0.06	2004
1 980	0.19	2002

...
...
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