

# Table 1. Pharmacists and pharmacy technicians

	Density (per 10,000 population)					Pharmacists						Pharmacy technicians			
	Population mid 2008	Pharmacists		Pharmacy technicians		Year of data	Total licensed	Total female licensed	Total actively practicing	Total actively practicing and female	Newly licensed	Graduates	Total	Newly licensed	Graduates
		Year of data	Pharmacists	Pharmacy technicians	Year of data										
Albania	3,241,000	3.15	2007	0.93	2007	1,020	550	1,020	760	73	72	300	17	0	
Argentina	39,746,000	5.15	2004	N/A	N/A	20,487	N/A	N/A	N/A	1,397 [2005]	1,397 [2005]	N/A	N/A	N/A	
Australia	21,347,000	8.83	2003	N/A	N/A	18,853	8,842	14,747	6,916	N/A	1,427 [2008]	N/A	N/A	710 [2006]	
Austria	8,352,000	6.30	2008	N/A	N/A	5,263	4,082	5,263	4,082	224	146	N/A	N/A	N/A	
Belgium	10,695,000	11.69	2007	N/A	N/A	12,500	8,400	N/A	N/A	N/A	400	N/A	N/A	N/A	
Brazil	195,138,000	6.39	2008	0	2008	124,755	88,896	124,755	88,896	8,956	8,956	0	0	0	
Canada	33,304,000	9.31	2007	18.02	2007	31,011	18,607	N/A	N/A	N/A	931	60,000	N/A	N/A	
Chad	10,111,000	0.04	2009	0.01	2007	44	15	44	15	44	0	6	0	0	
Colombia	44,447,000	0.72	2008	N/A	N/A	3,213	N/A	N/A	N/A	220*	220*	N/A	1,200*	1,200*	
Costa Rica	4,519,000	6.24	2008	N/A	N/A	2,819	2,029	2,640	1,900	229 [2007]	229 [2007]	N/A	N/A	N/A	
Czech Republic	10,428,000	7.14	2007	3.84	2007	7,450	6,192	6,172	5,100	351	304	4,007	300	305	
Denmark	5,490,000	7.10	2008	7.29	2008	3,900	2,925*	3,900*	2,925*	163	163	4,000	N/A	141 [2007]	
Ethiopia	79,087,000	0.14	2007	0.19	2008	1,088	231	1,066	219	180 [2008]	296 [2008]	1,523	414	236 [2008]	
Finland	5,312,000	5.50	2009	12.08	2009	2,919	2,226*	2,397	1,866*	75	83 [2007]	6,417	372	369 [2007]	
France	62,046,000	11.69	2008	N/A	N/A	72,509	N/A	72,509	47,598	N/A	2,800* [2007]	N/A	N/A	N/A	
Germany	82,170,000	9.14	2007	5.95	2007	75,074	49,177	56,719	36,732	1,774	2,310 [2006]	48,921	2,500*	2,500*	
Ghana	23,947,000	0.75	2007	N/A	N/A	1,798	N/A	N/A	N/A	N/A	120	N/A	70	70	
Great Britain	61,291,000	7.99	2008	1.17	2008	48,942	27,884	40,455	23,479	2,228 [2007]	2,196 [2007]	7,195	1,966	1,800 [2007]	
Hungary	10,034,000	6.48	2007	6.98	2008	6,500	N/A	6,500	N/A	220	220	7,000*	150*	0	
Iceland	319,000	12.63	N/A	N/A	N/A	403	254	367	241	18	14	N/A	N/A	N/A	
India	1,149,285,000	6.09	2008	N/A	N/A	700,000*	N/A	N/A	N/A	N/A	25,000*	N/A	N/A	N/A	
Indonesia	239,945,000	0.71	2009	N/A	N/A	17,000	N/A	N/A	N/A	N/A	3,000 [2007]	N/A	N/A	N/A	
Israel	7,482,000	6.68	2008	0	2008	5,000*	N/A	3,500*	N/A	180	180	0	0	0	
Italy	59,865,000	10.94	2006	N/A	N/A	65,500*	36,500*	50,000*	27,500*	2,700*	2,700*	N/A	N/A	0	
Japan	127,720,000	19.77	2006	N/A	N/A	252,833	153,731	174,218	116,859	9,154* [2007]	9,314 [2007]	N/A	N/A	N/A	
Jordan	5,849,000	13.83	2007	N/A	N/A	8,087	N/A	N/A	N/A	1,365	N/A	N/A	N/A	N/A	
Kenya	37,954,000	0.73	2008	0.61	2009	2,775	N/A	2,063	N/A	100 [2007]	70	2,324	N/A	885 [2009]	

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		Pharmacists	Year of data	Pharmacy technicians	Year of data										
Kuwait	2,689,000	12.99	2009	3.20	2009	3,466	1,002	2,153	N/A	188	46 [2007]	853	42 [2007]	52 [2007]	
Mali	12,716,000	0.64	2008	N/A	N/A	816	246	524	N/A	462	50	N/A	N/A	N/A	
Malta	412,000	19.88	2005	N/A	N/A	819	504	680	N/A	29 [2007]	29 [2007]	N/A	N/A	12 [2007]	
Mexico	107,677,000	5.39	2007	N/A	N/A	58,000	42,000	45,000	N/A	2,800	2,800	N/A	N/A	N/A	
Nepal	26,997,000	0.20	2007	N/A	N/A	547	234	250	150	N/A	100	N/A	N/A	N/A	
Nigeria	148,071,000	0.46	2007	0.06	2007	6,748	2,067	6,140	1,794	484	299	879	359	399	
Pakistan	172,800,000	0.69	2008	2.31	2008	12,000	4,000	7,000	1,500	2,500	2,500	40,000	3,000	3,000	
Paraguay	6,230,000	5.14	2007	1.20	2007	3,200	2,500	2,200	1,700	25	25	747	189	189	
Portugal	10,621,000	10.46	2007	N/A	N/A	11,112	8,813	10,953	8,211	440	517 [2008]	N/A	N/A	N/A	
Republic of Macedonia	2,049,000	7.38	2008	N/A	N/A	1,513	1,210	1,400	1,120	199	100	N/A	N/A	N/A	
Republic of Korea	48,607,000	11.76	2007	0	2007	57,176	25,273	31,265	N/A	1,359	1,372	0	0	0	
Rwanda	9,609,000	0.21	2008	N/A	N/A	200*	50*	180*	45*	58 [2007]	58 [2007]	N/A	N/A	N/A	
Singapore	4,790,000	3.10	2007	N/A	N/A	1,483	1,089	1,549	986	69	84	N/A	N/A	N/A	
Spain	46,501,000	13.18	2007	N/A	N/A	61,300	43,015	57,784	41,048	2,254	2,700	N/A	N/A	N/A	
Sudan	39,445,000	1.49	2008	0.63	2008	5,890	N/A	4,564	N/A	600	888	2,488	70*	70	
Switzerland	7,633,000	8.23	2008	N/A	N/A	6,283	4,324	5,500	3,700	133	133	N/A	N/A	N/A	
Syria	19,933,000	7.47	2007	N/A	N/A	14,896	8,938	12,985	N/A	860	860	N/A	207	191	
Tanzania	40,213,000	0.17	2008	0.11	2008	700	245	620	210	100 [2007]	57 [2007]	427	83 [2007]	N/A	
Turkey	74,766,000	4.11	2008	9.36	2008	30,725	16,200	27,968	14,000	1,000	900	70,000	N/A	N/A	
Uganda	29,194,000	0.10	2008	0.17	2008	300	63	300	63	41	41	500	15	16	
Uruguay	3,334,000	3.63	2008	N/A	N/A	1,211	850	859	600	61 [2007]	1,144 [2007]	N/A	N/A	N/A	
USA	304,486,000	9.06	2008	14.78	2008	275,876	140,896	236,977	123,344	9,800	10,500	450,000*	N/A	N/A	
Vietnam	86,185,000	1.18	2007	N/A	N/A	10,200	6,227	N/A	N/A	817	820	N/A	N/A	2,000	
Zimbabwe	13,481,000	0.80	2008	0.38	2008	1,077	445	N/A	N/A	80	45	506	30	30	

**Notes**

N/A – Data not available  
\* – Estimated data  
[year of data] – if different to year of data column

Population data source – Population Reference Bureau 2008.  
Available at [www.prb.org](http://www.prb.org). Accessed 24 April 2009.

**Definitions**

Pharmacist: A professional who in accordance to the local legal provisions and definitions may provide pharmacy services (in the community, hospital, academia, research, industry etc) in your country.

Pharmacy technician: A person who supports pharmacists in the delivery of pharmacy services. Also includes qualified asistive personnel such as pharmacy technologists.

Licensed: Registered to provide pharmacy services.  
Actively practicing: Active in the provision of pharmacy services in the country.  
Newly licensed: New registrant in 2007.