

TABLE S6-6

Value added of pharmaceutical industry, by region, country, or economy: 2002–18

(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
World	258,382	294,195	312,700	335,731	361,817	392,201	427,587	452,454	455,167	490,050	485,996	497,695	513,337	545,098	580,242	605,818	698,739
North America	94,450	101,846	105,114	114,180	124,940	128,696	132,459	151,600	139,213	137,763	132,135	140,712	147,839	155,472	161,118	169,593	191,633
Canada	2,944	3,598	3,523	3,725	4,985	4,450	4,176	4,116	4,540	4,284	4,694	3,801	4,474	4,847	5,009	5,128	5,309
Mexico	3,497	3,467	3,475	3,730	4,076	4,281	4,390	3,613	3,744	3,577	4,158	4,321	4,278	4,152	3,832	4,173	4,524
United States	88,008	94,781	98,116	106,725	115,879	119,965	123,893	143,871	130,929	129,902	123,283	132,590	139,086	146,472	152,277	160,291	181,800
Central and South America	4,544	4,790	5,733	7,656	9,355	11,376	12,811	12,501	14,684	15,820	15,187	14,794	14,623	12,318	12,451	14,444	14,757
Argentina	188	264	329	417	506	623	830	893	1,078	1,197	1,252	1,252	1,048	1,074	1,154	1,260	1,052
Bolivia	41	46	45	54	49	47	75	93	88	95	99	109	117	123	146	154	174
Brazil	3,000	3,282	3,870	5,523	6,930	8,486	9,148	8,657	10,513	11,268	10,131	9,724	9,804	7,257	7,700	9,322	9,394
Chile	169	162	208	260	283	329	292	324	419	437	437	461	673	748	671	655	725
Colombia	552	515	707	724	810	966	1,189	1,153	1,373	1,490	1,659	1,680	1,611	1,406	1,655	1,805	2,026
Costa Rica	50	53	58	58	65	74	80	70	85	95	102	112	107	109	117	123	131
Ecuador	83	48	50	59	67	70	84	92	117	90	178	183	105	123	135	131	141
Honduras	33	34	30	36	36	39	44	44	41	53	60	59	61	60	67	73	79
Jamaica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama	11	11	11	12	13	17	19	21	22	23	36	38	34	38	42	44	49
Peru	225	189	177	210	245	297	383	401	422	446	482	434	389	290	321	314	347
Uruguay	38	44	59	71	77	89	145	144	161	176	211	235	255	269	328	325	349
Venezuela	153	142	189	232	275	340	522	608	365	450	538	509	418	819	114	239	289
Europe	93,874	114,006	122,324	128,926	137,966	156,261	173,967	167,392	167,752	177,827	167,118	173,293	175,291	182,989	194,323	194,368	227,682
EU	82,452	99,573	104,950	109,958	116,802	131,697	145,689	140,518	138,124	145,074	134,292	138,492	140,593	151,805	158,083	155,720	183,542
Austria	1,053	1,361	1,384	1,848	1,888	2,477	2,152	2,394	2,378	2,606	2,536	2,625	2,844	2,345	2,377	2,460	2,719
Belgium	3,637	4,464	4,854	5,586	5,298	6,435	7,279	6,614	7,690	6,932	6,947	8,055	8,103	6,564	7,385	7,842	10,423
Bulgaria	55	77	91	105	118	171	98	154	146	207	162	177	166	194	206	251	306
Czechia	325	409	477	602	663	721	818	782	852	895	837	842	894	720	775	855	1,022
Denmark	2,267	3,177	3,498	3,706	3,615	3,757	4,509	4,799	6,087	6,712	7,704	8,642	9,876	9,623	10,788	10,677	12,042
Finland	527	601	737	846	951	1,095	1,270	1,276	1,302	1,428	1,582	1,531	1,747	1,458	1,638	1,652	1,885
France	10,924	13,930	14,800	15,494	17,255	18,144	18,287	16,698	15,713	16,751	15,189	15,986	15,365	13,146	12,445	12,450	14,568
Germany	12,649	16,995	19,875	22,355	23,835	27,328	31,824	29,056	27,612	30,021	28,780	29,914	31,819	25,465	27,867	29,335	38,077
Greece	661	852	834	973	927	910	849	852	826	731	583	793	683	573	564	657	846
Hungary	744	1,024	1,198	1,319	1,456	1,582	1,701	1,550	1,840	1,973	1,860	1,718	1,808	1,622	1,568	1,777	1,947
Ireland	16,398	16,005	15,536	15,333	14,976	17,251	17,763	20,877	19,584	20,697	15,807	15,997	18,039	43,480	45,357	41,402	47,960
Italy	7,888	9,585	10,267	9,735	9,827	10,820	12,137	11,181	11,073	11,883	10,895	11,446	7,958	9,630	10,116	10,632	12,118
Netherlands	3,002	3,290	3,426	3,129	3,059	3,709	4,036	3,967	3,652	3,712	3,776	2,160	1,957	2,025	1,989	2,027	2,253
Poland	548	537	580	772	832	1,513	1,872	1,620	1,607	1,476	1,530	1,597	1,836	1,523	1,674	1,817	1,568
Portugal	364	411	463	482	460	599	644	650	567	596	577	647	602	560	614	637	741

TABLE S6-6

Value added of pharmaceutical industry, by region, country, or economy: 2002–18

(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Romania	83	97	102	155	177	247	319	274	395	381	328	378	388	326	330	436	526
Slovakia	70	73	61	81	99	122	165	210	227	237	224	39	109	76	88	82	117
Spain	3,893	4,980	5,906	6,465	7,200	8,531	9,880	8,885	6,777	6,471	6,269	7,672	8,743	7,393	8,028	8,327	9,381
Sweden	4,784	5,714	5,861	6,210	6,790	6,788	6,896	7,796	8,109	8,987	8,388	8,547	7,539	6,709	6,935	6,897	7,446
United Kingdom	12,579	15,993	15,001	14,762	17,375	19,497	23,191	20,881	21,688	22,381	20,317	19,726	20,117	18,371	17,338	15,508	17,595
Other Europe	11,422	14,432	17,373	18,967	21,164	24,565	28,278	26,874	29,628	32,753	32,826	34,801	34,698	31,183	36,240	38,649	44,140
Norway	587	782	893	953	1,080	1,182	1,182	905	898	758	875	861	741	917	1,284	1,328	1,431
Russia	839	972	1,223	1,485	1,810	2,343	2,695	2,124	2,434	2,601	3,067	3,640	3,265	1,556	1,566	1,993	2,576
Switzerland	9,508	11,856	14,225	15,086	16,648	18,941	21,836	21,789	23,745	27,175	26,743	28,154	28,586	26,749	31,194	32,562	37,220
Turkey	301	600	722	1,033	1,142	1,526	1,937	1,703	2,018	1,615	1,453	1,428	1,431	1,573	1,660	2,030	2,049
Ukraine	187	224	310	410	483	573	629	353	533	603	688	719	675	388	536	735	863
Middle East	2,550	2,805	3,330	3,567	4,006	4,514	4,729	4,777	5,849	5,714	5,682	5,263	5,156	5,405	5,823	5,804	5,528
Bahrain	*	*	*	*	*	*	1	*	1	1	1	1	1	1	1	1	1
Iran	255	363	389	422	508	659	842	1,108	1,256	1,188	947	668	803	670	805	913	679
Israel	1,859	1,958	2,385	2,491	2,716	2,887	2,805	2,692	3,551	3,407	3,441	3,230	2,795	3,206	3,256	3,085	2,735
Jordan	250	273	305	355	432	526	566	531	522	524	579	618	800	815	955	1,067	1,135
Kuwait	32	41	55	61	45	60	72	71	89	125	185	187	161	91	111	130	162
Qatar	5	4	3	4	5	4	3	4	4	4	4	4	4	2	2	2	2
Saudi Arabia	52	57	66	76	88	137	159	163	196	209	250	272	289	310	338	346	369
United Arab Emirates	97	109	127	157	212	242	282	208	229	257	275	284	303	311	356	261	444
Africa	794	869	1,103	1,251	1,347	1,559	1,814	1,917	2,299	2,322	2,425	2,605	2,584	2,613	2,827	2,938	3,456
Cameroon	4	4	6	6	6	7	12	12	12	14	14	15	17	15	17	20	24
Egypt	356	292	382	444	489	607	769	846	1,012	921	922	983	856	951	1,000	1,090	1,429
Kenya	14	19	23	24	16	15	19	18	25	21	26	17	36	39	45	44	50
Morocco	91	106	99	109	107	118	136	134	146	144	137	153	169	142	156	176	201
Nigeria	67	74	89	117	158	185	231	216	272	380	429	539	621	540	570	575	655
Senegal	8	10	14	14	16	17	17	20	20	22	24	16	18	27	30	30	36
South Africa	236	342	465	509	533	581	596	635	775	778	826	831	816	856	961	948	1,004
Tunisia	19	22	24	27	23	29	33	36	37	43	48	51	50	42	48	55	55
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia	60,537	68,071	73,105	77,950	81,713	87,217	99,500	111,856	122,240	146,878	159,655	157,227	164,461	183,494	200,872	215,479	252,302
Bangladesh	124	142	154	183	217	251	294	414	422	430	432	537	658	735	919	1,272	1,800
China	14,455	16,153	16,114	19,623	22,313	28,014	37,449	41,293	47,292	58,640	73,240	84,256	95,100	106,661	116,762	134,593	162,527
India	3,039	3,438	4,306	5,075	5,614	7,365	8,063	7,915	9,534	13,724	11,487	12,345	13,291	16,259	19,200	21,469	24,417
Indonesia	1,840	2,137	1,682	2,008	2,026	2,796	3,603	3,427	4,184	3,531	1,469	1,141	1,216	1,362	1,574	1,755	1,859
Japan	34,789	38,933	40,865	40,528	37,749	33,353	37,536	45,875	46,521	52,704	52,821	41,957	36,310	39,974	42,824	36,308	38,772

TABLE S6-6

Value added of pharmaceutical industry, by region, country, or economy: 2002–18

(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Malaysia	87	99	108	142	180	178	223	212	275	299	323	376	429	374	379	416	494
Pakistan	322	433	615	734	650	741	845	696	825	1,038	1,066	1,072	1,147	1,139	1,204	1,335	1,313
Philippines	151	185	210	236	331	285	236	386	471	430	392	706	556	765	759	906	691
Singapore	2,719	3,274	5,228	4,777	7,462	8,506	5,714	6,237	6,205	9,298	11,391	7,218	7,503	7,577	7,999	6,838	8,034
South Korea	2,131	2,294	2,719	3,438	3,813	4,210	3,855	3,560	4,342	4,672	4,747	5,203	5,690	6,053	6,450	7,538	8,849
Sri Lanka	3	4	4	4	3	5	7	8	9	12	13	18	32	30	32	34	31
Taiwan	577	670	708	791	898	936	970	1,049	1,201	1,303	1,344	1,392	1,305	1,327	1,438	1,535	1,680
Thailand	91	109	123	138	170	202	226	260	340	366	431	407	488	563	568	635	796
Vietnam	208	201	269	273	290	375	480	526	621	430	500	598	735	676	763	845	1,040
Oceania	1,633	1,808	1,992	2,203	2,489	2,577	2,306	2,411	3,129	3,725	3,794	3,801	3,383	2,808	2,829	3,191	3,382
Australia	1,564	1,737	1,912	2,110	2,401	2,478	2,230	2,330	3,023	3,592	3,628	3,556	3,199	2,630	2,644	2,988	3,173
New Zealand	69	71	80	93	88	98	76	81	106	133	166	244	183	179	185	204	208

EU = European Union.

* = amount < \$500,000.

Note(s):

Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. Detail may not add to total because of rounding or minor discrepancies. World total does not include all countries and economies due to limitations in data availability. See Table S6-1 for a full list of countries and economies in each region.

Source(s):

IHS Markit, special tabulations (2019) of Comparative Industry Service.