



APPENDIX TABLE 8-13

USPTO patents granted in pharmaceuticals, by region, country, or economy: 2000–16

(Number)

Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
World	3,931	4,240	4,293	3,960	2,925	2,580	3,241	2,697	2,688	2,724	3,976	4,009	4,726	5,753	6,579	6,703	6,551
North America	2,645	2,805	2,882	2,591	1,910	1,666	2,088	1,722	1,676	1,695	2,480	2,445	2,883	3,431	3,887	3,916	3,880
Canada	134	133	148	136	109	84	104	91	97	95	127	133	112	145	159	165	139
Mexico	4	2	0	5	2	2	2	1	3	4	4	6	9	13	11	8	10
Puerto Rico	0	1	2	1	0	0	1	1	1	0	3	2	2	4	2	2	4
United States	2,507	2,669	2,733	2,450	1,799	1,580	1,981	1,630	1,575	1,596	2,345	2,305	2,760	3,270	3,715	3,742	3,728
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Central and South America	10	11	20	16	8	6	16	10	12	10	22	21	26	34	51	38	41
Argentina	4	7	8	9	4	1	6	4	3	4	1	6	5	9	5	5	10
Brazil	3	1	2	5	1	2	7	2	2	4	9	6	9	13	17	10	16
All others	3	3	10	2	3	2	3	4	8	3	12	10	11	13	29	24	15
Europe	875	913	873	873	637	550	665	564	594	578	885	882	1,024	1,258	1,478	1,532	1,448
EU	806	838	806	807	588	501	613	521	548	528	810	788	922	1,120	1,309	1,383	1,279
Austria	13	13	15	11	8	11	9	12	10	13	24	25	20	32	43	25	33
Belgium	36	29	42	31	33	22	31	27	27	26	43	28	34	47	52	66	66
Denmark	22	34	24	33	25	21	24	22	25	19	36	34	43	59	79	62	59



Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Finland	15	16	15	14	12	10	11	8	8	8	14	11	14	9	17	12	15
France	133	143	124	150	87	83	98	77	92	89	138	128	169	202	232	248	225
Germany	212	221	206	221	162	132	156	143	141	131	208	201	239	281	328	343	308
Hungary	4	4	8	7	5	3	4	3	5	5	7	4	6	6	3	9	7
Ireland	9	5	7	7	7	7	5	3	4	6	8	10	9	10	14	15	13
Italy	65	79	67	60	49	42	51	43	45	50	74	84	99	113	140	137	132
Netherlands	30	32	33	31	28	28	27	28	28	36	42	53	46	55	59	66	64
Spain	8	8	17	14	10	7	13	11	12	15	21	19	24	41	48	76	46
Sweden	62	55	66	62	37	35	37	28	34	26	41	41	46	46	64	65	59
United Kingdom	190	186	176	151	115	95	134	108	111	90	139	136	158	198	197	231	224
All others	8	13	7	16	10	4	13	8	6	16	13	14	14	22	33	29	30
Other Europe	69	74	68	65	49	48	53	43	46	50	75	94	102	137	169	150	169
Former Soviet Union	0	1	2	1	0	0	0	0	0	0	0	1	0	2	2	1	2
Norway	16	15	7	9	7	8	6	11	7	9	13	15	17	20	27	23	22
Russia	8	9	11	8	5	7	5	6	6	8	12	10	11	21	20	22	23
Switzerland	40	47	44	40	36	32	39	24	32	29	47	61	69	84	105	93	115
All others	5	3	4	7	2	2	3	2	1	4	2	6	5	10	15	10	6
Asia	304	402	390	363	285	282	388	318	308	332	467	501	615	805	906	959	951
China	10	17	17	18	22	25	32	37	38	32	38	44	73	103	126	147	171



Region, country, or economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
India	15	29	30	46	25	31	39	30	29	22	34	41	63	86	96	121	135
Japan	239	312	287	244	180	176	250	187	170	205	279	286	305	397	429	420	339
Malaysia	0	0	2	2	1	0	1	1	2	0	3	2	4	2	9	4	5
Singapore	4	1	1	3	2	2	4	4	7	4	5	9	11	14	15	18	21
South Korea	23	28	30	32	33	25	32	35	28	32	57	58	80	99	128	138	171
Taiwan	11	13	21	17	20	22	27	22	33	35	49	58	75	99	99	102	104
All others	2	2	2	1	2	1	4	2	2	2	2	3	4	5	4	9	6
Middle East	47	41	61	62	42	40	42	43	51	57	69	84	97	127	150	148	134
Israel	45	40	59	61	41	36	41	42	51	55	67	80	91	124	134	132	114
All others	2	1	2	1	1	4	1	1	0	2	2	4	7	3	16	16	20
Africa	6	7	6	7	3	2	4	5	2	5	10	7	9	15	9	10	9
South Africa	1	4	4	5	2	1	2	2	1	2	3	3	5	9	3	7	6
All others	5	3	3	2	1	1	2	4	1	3	7	4	4	6	6	4	3
Australia and Oceania	42	60	58	48	40	34	38	36	44	47	45	70	71	81	99	96	87
Australia	34	54	44	37	30	27	34	29	38	37	36	53	58	67	89	89	76
New Zealand	7	6	14	11	9	7	5	7	7	10	8	16	13	14	10	7	10
All others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unclassified	1	1	3	0	0	0	0	0	0	0	0	0	1	1	0	2	0



EU = European Union; USPTO = U.S. Patent and Trademark Office.

Note(s)

Patents are allocated according to patent inventorship information. Patents are fractionally allocated among regions, countries, or economies based on the proportion of residences of all named inventors. The EU includes 28 member countries. China includes Hong Kong. Patents are classified under the World Intellectual Property Organization (WIPO) classification of patents, which classifies International Patent Classification (IPC) codes under 35 technical fields. IPC reformed codes take into account changes that were made to the WIPO classification in 2006 under the eighth version of the classification and were used to prepare these data. However, because PatentsView only provides the original IPC codes as they appeared on patents and not the IPC reformed codes, current Cooperative Patent Classification codes on patents were converted back to the most recent IPC classification to prepare these statistics. Fractional counts of patents were assigned to each technological field on patents to assign the proper weight of a patent to the corresponding technological fields under the classification.

Source(s)

Science-Metrix; PatentsView and USPTO patent data, accessed April 2017.

Science and Engineering Indicators 2018