

# Pharmaceutical Preparations, Except Biologicals: 2006

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### SUMMARY OF FINDINGS

The total value of shipments for pharmaceutical preparations in the United States totaled \$127.1 billion in 2006, a 7.2-percent increase from \$118.6 billion in 2005. The leading product category was pharmaceutical preparations acting on the central nervous system and sense organs for human use, which increased 16.5 percent to \$29.9 billion in 2006, from \$25.6 billion in 2005.

The value of shipments for individual product categories in 2006 were: pharmaceutical preparations affecting neoplasm, endocrine

system, and metabolic diseases for human use totaled \$25.6 billion, a 7.6-percent increase from \$23.8 billion in 2005; pharmaceutical preparations acting on the central nervous system and sense organs for human use totaled \$29.9 billion, a 16.5 percent increase from \$25.6 billion in 2005; pharmaceutical preparations acting on the cardiovascular system for human use totaled \$10.9 billion, a 6.5 percent increase from \$10.2 billion in 2005; pharmaceutical preparations acting on the respiratory system for human use totaled \$18.5 billion, a 13.1-percent increase from \$16.4 billion in 2005; pharmaceutical preparations acting on the digestive or genito-urinary system for human use totaled \$15.4 billion, an 8.8-percent decrease from \$16.8 billion in 2005; pharmaceutical preparations acting on the skin for human use totaled \$3.7 billion, virtually unchanged from 2005; vitamin, nutrient, and hematinic preparations for human use totaled \$7.8 billion, a 2.6-percent increase from \$7.6 billion in 2005; pharmaceutical preparations affecting parasitic and infective diseases for human use totaled \$11.7 billion, a 3.8-percent increase from \$11.2 billion in 2005; and pharmaceutical preparations for veterinary use totaled \$3.8 billion, a 12.9-percent increase from \$3.4 billion in 2005.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division, (MCD), Washington, DC 20233-6900, or call Michael Reich, 301-763-5163.

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# U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU

Table 1. Value of Product Class Shipments of Pharmaceutical Preparations, Except Biologicals: 2002 to 2006  
 [Value in thousands of dollars]

Product code	Product description	2006	2005	2004	2003	2002
	Pharmaceutical preparations.....	127,141,816	118,647,404	109,851,975	107,561,388	100,741,449
3254121100	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	25,577,203	23,779,261	20,789,103	20,064,796	17,499,148
3254124100	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	29,857,767	25,627,446	25,001,154	24,759,304	24,344,732
3254127100	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	10,901,093	10,232,377	10,223,797	9,670,724	10,338,754
325412A100	Pharmaceutical preparations acting on the respiratory system, for human use.....	18,516,268	16,367,218	15,148,446	13,757,675	12,504,287
325412D100	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	15,354,493	16,828,648	15,251,818	15,051,690	13,373,247
325412G100	Pharmaceutical preparations acting on the skin, for human use.....	3,719,087	r/ 3,656,687	3,283,003	3,082,863	2,844,436
325412L100	Vitamin, nutrient, and hematinic preparations, for human use.....	7,754,511	r/ 7,555,845	6,683,224	6,876,680	6,028,849
325412P100	Pharmaceutical preparations affecting parasitic and ineffective diseases, for human use.....	11,654,118	11,228,479	10,818,532	11,848,410	11,336,918
325412T100	Pharmaceutical preparations for veterinary use.....	3,807,276	3,371,443	2,652,898	2,449,246	2,471,078

r/Revised 5 percent or more from previously published data.

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2006 and 2005  
 [Value in thousands of dollars]

Product code	Product description	2006				2005			
		Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/	Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/
325412	Pharmaceutical preparations (except biologicals).....	127,141,816	107,236,274	16,529,983	3,375,559	118,647,404	99,329,466	r/ 14,908,998	4,408,940
3254121	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	25,577,203	(D)	(D)	(D)	23,779,261	(D)	(D)	(D)
3254121114	Hormones and synthetic substitutes: Corticoids, systemic, local, and topical, including anti-infective combinations.....	2,040,524	2,030,818	b/ 9,706	(D)	1,057,296	a/ 1,048,310	8,986	(D)
3254121121	Androgens..... a/	100,089	a/ 100,089	(X)	(D)	95,087	b/r/ 95,087	(X)	(D)
3254121126	Estrogens..... c/	725,844	c/ 725,844	(X)	-	636,397	636,397	(X)	-
3254121131	Insulin and antidiabetic agents.....	2,171,265	2,171,265	(X)	(D)	1,666,983	1,666,983	(X)	(D)
3254121141	Oral contraceptive preparations..... c/	815,503	c/ 815,503	(X)	-	r/ 753,638	r/ 753,638	(X)	-
3254121146	Progestogens (excluding premenstrual tension preparations, see code 325412D196)..... a/	209,130	a/ 209,130	(X)	(D)	r/ 248,791	r/ 248,791	(X)	(D)
3254121156	Thyroid and antithyroid preparations, including iodides.....	821,419	821,419	(X)	-	a/ 891,449	a/ 891,449	(X)	-
3254121161	Anabolic agents.....	29,127	29,127	(X)	-	r/ 29,246	r/ 29,246	(X)	-
3254121165	Other hormone preparations including sex hormone combinations, and ACTH.....	989,147	(D)	(D)	-	r/ 1,005,468	(D)	(D)	-
3254121177	Antineoplastic agents, including radioactive isotopes and specific antineoplastic agents.....	2,709,515	2,709,515	(X)	(D)	a/ 3,244,181	a/ 3,244,181	(X)	(D)
3254121181	Other pharmaceutical preparations affecting neoplasms, the endocrine system, and metabolic, for human use.....	13,687,788	(D)	(D)	(D)	12,616,597	(D)	(D)	(D)
3254124	Pharmaceutical preparations acting on the central nervous system and the sense organs, for human use.....	29,857,767	26,718,749	2,750,495	b/ 388,523	25,627,446	22,238,800	2,249,629	r/ 1,139,017
3254124111	Parasympathomimetic cholinergic drugs..... c/	25,418	c/ 25,418	(X)	(D)	c/ 16,302	c/ 16,302	(X)	(D)
3254124114	Skeletal muscle relaxants..... a/	388,940	(D)	(D)	-	406,069	(D)	(D)	(D)
3254124117	Internal analgesics and antipyretics: Narcotic: Opium and derivatives.....	496,534	496,534	(X)	-	r/ 562,662	r/ 562,662	(X)	-
3254124121	Synthetic narcotics..... c/	1,148,759	c/ 1,148,759	(X)	(D)	1,098,368	1,098,368	(X)	(D)
3254124122	Nonnarcotic: Salicylates, including aspirin (acetylsalicylic acid) and others such as sodium salicylate..... b/	387,708	(D)	(D)	(D)	b/ 409,547	(D)	(D)	(D)
3254124131	Aspirin combinations.....	118,544	(D)	(D)	-	147,857	(D)	(D)	-
3254124134	Acetaminophen and combinations.....	750,750	b/ 67,868	682,882	c/ 13,544	517,951	b/r/ 66,304	451,647	12,717
3254124137	Antiarthritics (non-hormonal)..... a/	801,094	277,729	523,365	b/ 118,450	a/ 699,615	319,718	379,897	b/ 108,312
3254124141	Other internal analgesics and antipyretics, including effervescent types and suppositories.....	134,142	(D)	(D)	-	61,673	(D)	(D)	(D)
3254124144	Anticonvulsants, excluding phenobarbital.....	2,775,639	2,775,639	(X)	24,909	c/ 2,095,086	c/ 2,095,086	(X)	23,470
3254124147	Psychotherapeutic agents: Antidepressants.....	6,585,546	6,585,546	(X)	29,678	a/ 5,320,728	a/ 5,320,728	(X)	(D)
3254124151	Tranquilizers: Phenothiazine derivatives.....	114,696	114,696	(X)	-	92,407	92,407	(X)	-
3254124154	Other tranquilizers..... c/	16,023	c/ 16,023	(X)	-	r/ 32,179	r/ 32,179	(X)	-
3254124157	Other psychotherapeutic agents.....	6,600,929	6,600,929	(X)	(D)	r/ 5,246,855	r/ 5,246,855	(X)	-
3254124165	Central nervous system stimulants (respiratory and cerebral stimulants, including sympathomimetic agents employed mainly as CNS stimulants); excluding nondrug dietaries for weight control..... c/	1,445,545	c/ 1,445,545	(X)	(D)	1,459,828	1,459,828	(X)	21,479
3254124171	Sedatives and hypnotics: Prescription: Barbiturates..... b/	18,072	b/ 18,072	(X)	(D)	r/ 16,097	r/ 16,097	(X)	(D)
3254124174	Nonbarbiturates..... b/	293,755	b/ 293,755	(X)	(D)	b/ 257,029	b/ 257,029	(X)	(D)
3254124178	Nonprescription, sleep inducers, and calming agents.....	73,021	(X)	73,021	-	55,100	(X)	55,100	-
3254124189	Anesthetics including general, local, and topical (excluding urinary tract anesthetics and skin preparations used as antipruritics)..... a/	817,184	a/ 801,011	16,173	(D)	720,246	700,276	r/ 19,970	(D)
3254124193	Eye and ear preparations, excluding anti-infectives, corticoids and antibacterials and antiseptics: Contact lens solutions.....	597,456	-	597,456	(D)	574,614	-	574,614	(D)
3254124196	Other eye and ear preparations, including mydriatics, and miotics.....	1,933,052	(D)	(D)	-	1,708,941	(D)	(D)	(D)
3254124197	Other pharmaceutical preparations acting on the central nervous system and the sense organs for human use.....	3,946,437	3,783,052	b/ 163,385	b/ 126,062	r/ 2,989,275	2,858,014	b/ 131,261	(D)
3254127	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	10,901,093	(D)	(D)	115,569	10,232,377	(D)	(D)	r/ 121,520

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2006 and 2005  
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		Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/ Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/ Total	
3254127118	Anticoagulants, hemostatics, and digitalis preparations.....	1,559,905	(D)	(D)	(D)	1,332,426	(D)	(D)	(D)
3254127128	Hypotensives including rauwolfia-alkaloid preparations and beta receptor blocking agents.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3254127143	Vasodilators:								
3254127151	Coronary and peripheral.....	(D)	(D)	-	-	(D)	(D)	-	-
3254127156	Antiarrhythmics, such as propanolol and quinidine.....	61,049	61,049	(X)	(D) a/r/	83,716 a/r/	83,716	(X)	(D)
3254127161	Calcium channel blockers such as isoptin, calan, procardia, cardizem, adalat..... a/	624,150 a/	624,150	(X)	(D) r/	467,310 r/	467,310	(X)	(D)
3254127166	Ace inhibitors, such as vasotec, capoten, prinivil, and zestril.....	613,090	613,090	(X)	(D) b/r/	765,193 b/r/	765,193	(X)	-
3254127166	Other pharmaceutical preparations, acting on the cardiovascular system including vasopressors, and antiheparin agents for, human use.....	5,869,439	(D)	(D)	51,648	5,537,159	(D)	(D)	39,203
325412A	Pharmaceutical preparations acting on the respiratory system, for human use..... a/	18,516,268	16,078,341	2,288,301	c/ 149,626	16,367,218	13,981,182	2,221,232	164,804
325412A113	Antihistamines (excluding cold preparations and antiemetics) and bronchial dilators, including antiasthmatics.....	8,792,890	(D)	(D)	(D) r/	8,625,557	(D)	(D)	(D)
325412A123	Cough and cold preparations (prescription): Cough preparations and expectorants (containing antitussive or other ingredients intended primarily to treat cough only): Narcotic and nonnarcotic.....	257,663	257,663	(X)	(D) r/	208,599 r/	208,599	(X)	(D)
325412A136	Cold preparations containing combinations of the following ingredients, (but not antitussive) nasal decongestant, antihistamine, analgesic, bioflavonoid, or antibiotic): Antihistamine cold preparations.....	13,058	13,058	(X)	- b/	17,053 b/	17,053	(X)	-
325412A143	Other prescription cold preparations, including nasal decongestants.....	(D)	(D)	(X)	-	(D)	(D)	(X)	(D)
325412A146	Cough and cold combinations (prescription)..... a/	61,857 a/	61,857	(X)	(D)	69,845	69,845	(X)	(D)
325412A153	Cough and cold preparations (nonprescription): Decongestants, including nasal sprays, and nose drops.....	234,240	(X)	234,240	(D)	237,264	(X)	237,264	(D)
325412A166	Cough syrups.....	717,021	(X)	717,021	-	652,765	(X)	652,765	-
325412A171	Capsules and tablets.....	716,053	(X)	716,053	(D) r/	673,999	(X) r/	673,999	(D)
325412A176	Lozenges.....	16,129	(X)	16,129	-	18,473	(X)	18,473	-
325412A189	Other nonprescription cough and cold preparations including topical and cough drops.....	(D)	(X)	(D)	(D)	(D)	(X)	(D)	(D)
325412A196	Other pharmaceutical preparations acting on the respiratory system including beta agonists, for human use.....	7,423,621	7,414,511	9,110	(D) r/	5,571,658 r/	5,562,437	9,221	(D)
325412D	Pharmaceutical preparations acting on the digestive or the genito-urinary systems, for human use.....	15,354,493	13,469,340	1,114,146	c/ 771,007	16,828,648	14,989,165	r/ 1,081,644	757,839
325412D111	Digestive system preparations:								
325412D115	Enzymes..... a/	120,626 a/	109,261	11,365	(D)	111,041	99,814	11,227	(D)
325412D121	Antacids, including acid neutralizing products with coating functions, but excluding effervescent salicylate products classified as analgesics, and antiarrheals.....	1,823,760	1,203,674 a/	620,086	(D) r/	1,344,512	(D)	(D)	(D)
325412D121	Laxatives:								
325412D123	Irritants.....	101,988	(D)	(D)	(D)	78,469	(D)	(D)	-
325412D127	Bulk producing and emollients... Fecal softeners.....	(D) 92,816	(D) (D)	(D) (D)	(D) (D) a/	(D) 109,128	(D) (D)	(D) (D)	(D) (D)
325412D134	Saline.....	(D)	-	(D)	-	(D)	-	(D)	-
325412D137	Enema specialties.....	62,647	(D)	(D)	-	57,933	(D)	(D)	-
325412D157	Antispasmodics and anticholinergics:								
325412D168	Synthetics.....	4,425	4,425	(X)	-	5,202	5,202	(X)	-
325412D175	Other antispasmodics and anticholinergics including ataractic combinations, belladonna and derivatives, and H2 blocking agents.....	1,267,128	(D)	(D)	(D)	1,209,396	1,189,025 a/	20,371	(D)
325412D175	Other digestive system preparations, including emetics, digestants, bile therapy preparations antinauseants, motion sickness remedies, lipotropics, cholesterol reducers, and diet aids containing local anesthetics, for human use.....	9,340,011	9,327,556	12,455	(D)	11,183,150	11,172,882 r/	10,268	(D)

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		Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/	Total	Pre- scription legend	Non- pre- scription	Bulk ship- ments 1/
325412D177	Genito-urinary preparations: Urinary antibacterials and antiseptics.....	47,089	(D)	(D)	-	35,748	(D)	(D)	-
325412D182	Diuretics, thiazides and related agents, excluding aminophylline, xan- thine, and rauwolfia- diuretic combinations. (see cardiovascular preparations).....	b/ 165,637	(D)	(D)	(D)	142,422	(D)	(D)	(D)
325412D187	Oxytocics.....	b/ 98,765	98,765	(X)	-	89,399	89,399	(X)	-
325412D195	Vaginal cleaners.....	61,544	(D)	(D)	-	67,376	(D)	(D)	-
325412D196	Other pharmaceutical pre- parations acting on the genito-urinary system, including urinary tract anesthetics, contraceptive agents, and premenstrual tension preparations, for human use.....	1,135,319	1,110,613	24,706	(D)	1,362,223	1,338,049	r/ 24,174	(D)
325412G	Pharmaceutical preparations acting on the skin, for human use.....	3,719,087	(D)	2,241,743	(D)	a/r/ 3,656,687	(D)	r/ 2,063,390	(D)
325412G111	Dermatological preparations: Emollients and protec- tives, including burn remedies and oint- ment bases.....	775,239	35,464	739,775	-	797,932	c/ 27,217	770,715	-
325412G116	Antipruritics and local anesthetic skin preparations.....	a/ 209,421	134,012	b/ 75,409	(D)	183,520	132,412	51,108	(D)
325412G126	Antiacne preparations.....	554,948	(D)	(D)	(D)	569,426	342,249	227,177	(D)
325412G131	Antidandruff and anti- seborrheic prepara- tions (excluding dan- druff shampoos).....	44,036	a/ 10,818	33,218	-	33,296	(D)	(D)	-
325412G138	Other dermatological pre- parations including coal tar, sulfur, and resorc- inol preparations.....	568,167	374,592	193,575	(D)	r/ 704,726	r/ 515,872	188,854	(D)
325412G141	Hemorrhoidal preparations.....	76,225	(D)	(D)	-	81,192	(D)	(D)	-
325412G163	External analgesics and counterirritants including ointments, jellies, pastes, creams, cerates, salves, liquids, and rubbing alcohol.....	539,860	148,172	391,688	-	476,528	r/ 119,558	356,970	-
325412G166	Other pharmaceutical pre- parations acting on the skin, for human use.....	b/ 880,228	b/ 368,901	511,327	(D)	b/r/ 739,934	c/ 351,656	a/r/ 388,278	(D)
325412L	Vitamin, nutrient, and hematinic preparations, for human use.....	a/ 7,754,511	a/ 1,877,370	a/ 5,575,178	b/ 301,963	r/ 7,555,845	r/ 2,099,313	r/ 5,190,972	b/ 265,560
325412L111	Vitamins: Multivitamins, plain and with minerals, (excluding B complex vitamins and fish liver oils).....	b/ 3,076,167	b/ 39,293	b/ 3,036,874	b/ 67,858	r/ 2,714,976	b/ 37,533	r/ 2,677,443	b/ 65,843
325412L116	Pediatric vitamin pre- parations (drops, suspensions and chewable tablets).....	149,571	(D)	(D)	b/ 928	b/ 144,197	(D)	(D)	b/r/ 1,012
325412L121	Prenatal vitamin pre- parations.....	120,534	(D)	(D)	(D)	r/ 103,719	(D)	(D)	c/r/ 762
325412L126	B complex preparations.....	279,632	11,222	268,410	b/ 4,576	267,232	18,540	248,692	b/ 5,288
325412L135	All other vitamin preparations including fluoride preparations.....	a/ 704,160	b/ 46,783	a/ 657,377	b/ 91,205	r/ 726,924	41,662	r/ 685,262	c/ 67,745
325412L141	Fish liver oils (cod, etc.).....	a/ 185,254	(D)	(D)	a/ 496	138,549	(D)	(D)	a/ 230
325412L146	Nutrients, excluding thera- peutic dietary foods and infant formulas.....	b/ 302,220	92,780	b/ 209,440	a/ 106,696	r/ 322,830	69,734	r/ 253,096	a/ 92,929
325412L151	Tonics and alteratives.....	c/ 31,486	-	c/ 31,486	-	r/ 27,380	-	r/ 27,380	-
325412L158	Hematinics: Oral and parenteral with B12.....	c/ 30,726	(D)	(D)	(D)	b/ 32,153	(D)	(D)	(D)
325412L168	Other oral and parenteral hematinics.....	a/ 64,658	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325412L179	Other vitamin, nutrient, and hematinic prepara- tions including hopsyital solutions but excluding bio- logicals such as blood plasma, for human use.....	2,508,140	a/ 1,463,398	1,044,742	b/ 25,815	r/ 2,747,200	r/ 1,723,729	r/ 1,023,471	28,942
325412P	Pharmaceutical preparations affecting parasitic and infec- tive diseases, for human use.....	11,654,118	10,040,394	1,489,548	124,176	b/ 11,228,479	a/ 9,822,350	1,234,312	171,817
325412P111	Anti-infective agents, ex- cluding corticoid anti-infec- tive combinations (see product code 325412I015): Amebicides and tricho- monicides.....	37,828	37,828	(D)	-	36,007	36,007	(D)	-
325412P114	Anthelmintics.....	(D)	(D)	(D)	-	1,191	(D)	(D)	-
325412P117	Systemic antibiotic pre- parations: Broad and medium spec- trum (single or in combi- nations with other anti- biotics): Tetracyclines, in- cluding chlortet- racycline and congeners.....	c/ 317,073	c/ 317,073	(X)	-	275,024	275,024	(X)	-
325412P121	Cephalosporins, such as cefaman- dolenafate and cephalexin.....	a/ 1,036,043	a/ 1,036,043	(X)	(D)	1,204,157	1,204,157	(X)	(D)

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325412P124	Erythromycins, such as erythromycin ethylsuccinate and erythromycin stearate.....	103,282	103,282	(X)	-	107,862	107,862	(X)	-
325412P127	Penicillins (single):								
325412P131	Semisynthetic penicillins, such as amoxicillins, and ampicillin:								
325412P135	Injectable.....	(D)	(D)	(X)	-	206,645	206,645	(X)	-
	Other forms.....	(D)	(D)	(X)	-	(D)	(D)	(X)	-
325412P141	Other penicillins, excluding semisynthetic, such as penicillin V and penicillin G, including injectable and other forms.....	(D)	(D)	(X)	-	(D)	(D)	(X)	-
325412P144	Other broad and medium spectrum antibiotics, excluding sulfa-antibiotic combinations.....	621,246	(D)	(D)	-	761,658	(D)	(D)	-
325412P147	Antibiotics in combination with sulfonamides.....	b/ 15,541 b/	15,541	(X)	- r/	13,804 r/	13,804	(X)	-
325412P151	Other systemic antibiotic preparations, including narrow-spectrum antibiotics and streptomycins.....	(D)	(D)	(X)	-	(D)	(D)	(X)	-
325412P156	Topical antibiotic preparations.....	276,582	(D)	(D)	- r/	367,415	(D)	(D)	-
325412P161	Tuberculostatic agents including isoniazid (isonicotinic acid hydrazide), and other antitubercular preparations.....	b/ 29,518 b/	29,518	-	b/r/	21,903 b/r/	21,903	-	-
325412P164	Antimalarials (plasmodicides).....	29,287	29,287	(X)	(D) a/r/	36,246 a/r/	36,246	(X)	(D)
325412P167	Sulfonamides (excluding antibiotic sulfonamide combinations).....	22,800	22,800	(X)	- b/	25,074 b/	25,074	(X)	-
325412P171	Antifungal preparations.....	1,074,170	932,580	141,590	-	1,233,812	1,057,129	176,683	-
325412P174	Antivirals, systemic, such as zovirax, and retrovir.....	5,001,668	(D)	(D)	102,481	b/ 4,055,319	(D)	(D)	78,273
325412P177	Other anti-infective agents.....	404,901	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325412P181	Antibacterials and antiseptics:								
325412P184	General.....	247,382	(D)	(D)	7,050	271,969	(D)	(D)	7,192
	Mouth and throat preparations.....	(D)	10,503	(D)	(D)	(D)	9,828	(D)	(D)
	Other pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	367,148	349,426	17,722	(D) r/	453,386 r/	435,342	18,044	(D)
325412T	Pharmaceutical preparations for veterinary use.....	3,807,276	2,580,241	1,051,155	175,880	3,371,443	2,333,697	r/ 853,624	r/ 184,122
325412T111	Anesthetics.....	90,475	90,475	(X)	-	60,795	60,795	(X)	-
325412T116	Anthelmintics.....	319,834	288,659	31,175	(D)	257,698	215,493	42,205	(D)
325412T126	Antibiotics:								
325412T133	Penicillins.....	38,133	20,839	17,294	-	39,131	26,947	12,184	-
325412T136	Other antibiotics including tetracyclines.....	949,644	905,370	44,274	(D)	807,354	743,812	63,542	(D)
325412T163	Antiseptics, wound dressings and fungicides.....	66,368	(D)	(D)	-	80,550	(D)	(D)	(D)
325412T171	Hormones including insulin, ACTH (corticotropin), and other hormone preparations.....	178,303	(D)	(D)	-	208,499	(D)	(D)	-
325412T176	Nitrofurans.....	(D)	-	(D)	-	(D)	-	(D)	(D)
325412T181	Nutrients and tonics.....	(D)	(D) b/	1,329	(D)	(D)	(D) r/	1,377	(D)
325412T196	Parasitocides, external.....	279,202	(D)	(D)	- r/	161,601	(D)	(D)	(D)
	Other pharmaceutical preparations including vitamins, minerals, tranquilizers, ataractics, intravenous solutions, sulfonamides, electrolytes, hemostatics, and hematitics, for veterinary use.....	1,701,294	990,098	711,196	(D)	1,563,653	1,065,510 a/r/	498,143	(D)

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised 5 percent or more from previously published data. X Not applicable.

1/Data for "Bulk shipments" are excluded from all horizontal ten-digit product detail totals; however, these data are included in all seven-digit product class and six-digit industry level totals. Since bulk shipments are typically reported by a small number of producers, and often must be suppressed, inclusion of bulk shipments in all horizontal totals would require the suppression of additional detail.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/25 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 3. Domestic Value of Shipments, Exports, Imports, and Apparent Consumption of Pharmaceutical Preparations, Except Biologicals: 2006 and 2005  
[Thousands of dollars]

Product code	Product description	Manu- facturers' shipments (value f.o.b. plant)	Exports of domestic merchan- dise 1/	Percent exports to manu- facturers' shipments	Imports for consump- tion 2/ (value)	Apparent consump- tion 3/ (value)	Percent imports to apparent consumption (value)
<b>2006</b>							
	Pharmaceutical preparations.....	127,141,816	11,109,935	8.7	32,297,852	148,329,733	21.8
3254121100	Pharmaceutical preparations affecting neoplasms, endo- crine system, and metabolic diseases, for human use.....	25,577,203	3,377,630	13.2	5,873,319	28,072,892	20.9
3254124100	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	29,857,767	2,092,310	7.0	5,349,795	33,115,252	16.2
3254127100	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	10,901,093	1,752,681	16.1	11,785,087	20,933,499	56.3
325412A100	Pharmaceutical preparations acting on the respiratory system, for human use.....	18,516,268	608,742	3.3	2,269,224	20,176,750	11.2
325412D100	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	15,354,493	250,057	1.6	2,120,339	17,224,775	12.3
325412G100	Pharmaceutical preparations acting on the skin, for human use.....	3,719,087	85,631	2.3	346,580	3,980,036	8.7
325412L100	Vitamin, nutrient, and hematinic preparations, for human use.....	7,754,511	336,515	4.3	248,060	7,666,056	3.2
325412P100	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	11,654,118	2,349,545	20.2	3,736,216	13,040,789	28.7
325412T100	Pharmaceutical preparations for veterinary use.....	3,807,276	256,824	6.7	569,232	4,119,684	13.8
<b>2005</b>							
	Pharmaceutical preparations.....	118,647,404	10,181,450	8.6	27,058,021	135,523,975	20.0
3254121100	Pharmaceutical preparations affecting neoplasms, endo- crine system, and metabolic diseases, for human use.....	23,779,261	2,898,772	12.2	4,986,873	25,867,362	19.3
3254124100	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	25,627,446	2,217,027	8.7	4,643,207	28,053,626	16.6
3254127100	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	10,232,377	1,295,231	12.7	8,993,166	17,930,312	50.2
325412A100	Pharmaceutical preparations acting on the respiratory system, for human use.....	16,367,218	458,486	2.8	1,743,603	17,652,335	9.9
325412D100	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	16,828,648	347,823	2.1	2,127,985	18,608,810	11.4
325412G100	Pharmaceutical preparations acting on the skin, for human use..... r/	3,656,687	99,119	2.7	387,204	3,944,772	9.8
325412L100	Vitamin, nutrient, and hematinic preparations, for human use..... r/	7,555,845	343,239	4.5	400,727	7,613,333	5.3
325412P100	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	11,228,479	2,269,143	20.2	3,292,511	12,251,847	26.9
325412T100	Pharmaceutical preparations for veterinary use.....	3,371,443	252,610	7.5	482,745	3,601,578	13.4

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' shipments plus imports.

Table 4. Comparison of North American Industry Classification (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2006

Product code	Product description	Export code 1/	Import code 2/
3254121100--	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic disease.....	3003.31.0000, 3003.39.0000, 3003.40.0000, 3004.31.0000, 3004.32.0000, 3004.39.0050, 3004.90.9115	3003.31.0000, 3003.39.1000, 3003.39.5000, 3003.40.0000, 3004.31.0000, 3004.32.0000, 3004.39.0050, 3004.90.9115
3254124100--	Pharmaceutical preparations acting on central nervous system and sense organs.....	3004.40.0020, 3004.40.0030, 3004.40.0040, 3004.90.9125, 3004.90.9130, 3004.90.9135, 3004.90.9140	3004.40.0020, 3004.40.0030, 3004.40.0040, 3004.90.9122, 3004.90.9126, 3004.90.9128, 3004.90.9130, 3004.90.9135, 3004.90.9140
3254127100--	Pharmaceutical preparations acting on cardiovascular system.....	3004.40.0010, 3004.90.9120	3004.40.0010, 3004.90.9120
325412A100--	Pharmaceutical preparations acting on respiratory system.....	3004.40.0060, 3004.90.9175, 3004.90.9180, 3004.90.9185	3004.40.0060, 3004.90.9175, 3004.90.9180, 3004.90.9185
325412D100--	Pharmaceutical preparations acting on digestive or genitro-urinary system.....	3004.90.9150, 3004.90.9155, 3004.90.9160, 3004.90.9165, 3004.90.9170, 3006.60.0000	3004.90.9150, 3004.90.9155, 3004.90.9160, 3004.90.9165, 3004.90.9170, 3006.60.0000
325412G100--	Pharmaceutical preparations acting on skin.....	3004.40.0050, 3004.90.9145	3004.40.0050, 3004.90.9145
325412L100--	Vitamin, nutrient and hematinic preparations.....	3004.50.4500, 3004.50.5010, 3004.50.5020, 3004.50.5030, 3004.50.5040	3004.50.1000, 3004.50.2000, 3004.50.3000, 3004.50.4000, 3004.50.5010, 3004.50.5020, 3004.50.5030, 3004.50.5040
325412P100--	Pharmaceutical preparations affecting parasitic and infective disease.....	3003.10.0000, 3003.20.0000, 3004.10.1020, 3004.10.1045, 3004.10.5045, 3004.10.5060, 3004.20.0020, 3004.20.0030, 3004.20.0060, 3004.90.1000, 3004.90.9105, 3004.90.9110	3003.10.0000, 3003.20.0000, 3004.10.1020, 3004.10.1045, 3004.10.5045, 3004.10.5060, 3004.20.0020, 3004.20.0030, 3004.20.0060, 3004.90.1000, 3004.90.9105, 3004.90.9110
325412T100--	Pharmaceutical preparations for veterinary use.....	3004.10.1010, 3004.10.5010, 3004.20.0010, 3004.39.0010, 3004.40.0005, 3004.50.5005, 3004.90.9103	3004.10.1010, 3004.10.5010, 3004.20.0010, 3004.39.0010, 3004.40.0005, 3004.50.5005, 3004.90.9103

1/Source: 2006 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized tariff Schedule of the United States, Annotated (2006).



# Appendix.

## General CIR Survey Information, Explanation of General Terms and Historical Note

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### GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

### NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

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The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

## FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

## RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

## DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

## DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

## EXPLANATION OF GENERAL TERMS

**Capacity.** The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

**Consumption.** Materials used in producing or processing a product or otherwise removing the product from the inventory.

**Exports.** Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

**Gross shipments.** The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

**Interplant transfers.** Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

**Inventories.** The quantity or value of finished goods, work in progress, and materials on hand.

**Machinery in place.** The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

**Net receipts.** Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

**Production.** The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

**Quantities produced and consumed.** Quantities of each type of product produced by a company for internal consumption within that same company.

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**Quantity and value of new orders.** The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

**Quantity and value of shipments.** The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

**Stocks.** Total quantity of ending finished inventory.

**Unfilled orders (backlog).** Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

#### **HISTORICAL NOTE**

Data on pharmaceutical preparations, except biologicals, have been collected by the Census Bureau since 1962. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.