

Table 1069. Shipment Characteristics by Mode of Transportation: 2002 and 2007

[8,397,210 represents \$8,397,210,000,000 (except as indicated otherwise). For business establishments in mining, manufacturing, wholesale trade, and selected retail industries. 2002 data are based on the 2002 North American Industry Classification System (NAICS). 2007 data are based on the 2007 NAICS. Selected auxiliary establishments are also included. Based on the 2007 Economic Census; see Appendix III]

Mode of transportation	Value (mil. dol.)		Tons (1,000)		Ton-miles (mil.)		Average miles per shipment	
	2002	2007	2002	2007	2002	2007	2002	2007
All modes	8,397,210	11,684,872	11,667,919	12,543,425	3,137,898	3,344,658	546	619
Single modes	7,049,383	9,539,037	11,086,660	11,698,128	2,867,938	2,894,251	240	234
Truck ¹	6,235,001	8,335,789	7,842,836	8,778,713	1,255,908	1,342,104	173	206
For-hire truck	3,757,114	4,955,700	3,657,333	4,075,136	959,610	1,055,646	523	599
Private truck	2,445,288	3,380,090	4,149,658	4,703,576	291,114	286,457	64	57
Rail	310,884	436,420	1,873,884	1,861,307	1,261,612	1,344,040	807	728
Water	89,344	114,905	681,227	403,639	282,659	157,314	568	520
Shallow draft	57,467	91,004	458,577	343,307	211,501	117,473	450	144
Great lakes	843	(S)	38,041	17,792	13,808	6,887	339	657
Deep draft	31,034	23,058	184,610	42,540	57,350	32,954	664	923
Air (includes truck and air)	264,959	252,276	3,760	3,611	5,835	4,510	1,919	1,304
Pipeline ²	149,195	399,646	684,953	650,859	(S)	(S)	(S)	(S)
Multiple modes	1,079,185	1,866,723	216,686	573,729	225,715	416,642	895	975
Parcel, U.S. Postal Service or courier	987,746	1,561,874	25,513	33,900	19,004	27,961	894	975
Truck and rail	69,929	187,248	42,984	225,589	45,525	196,772	1,413	1,007
Truck and water	14,359	58,389	23,299	145,521	32,413	98,396	1,950	1,429
Rail and water	3,329	13,892	105,107	54,878	114,986	47,111	957	1,928
Other multiple modes	3,822	45,320	19,782	113,841	13,788	46,402	(S)	1,182
Other and unknown modes	268,642	279,113	364,573	271,567	44,245	33,764	130	116

S Data do not meet publication standards due to high sampling variability or other reasons. ¹ Truck as a single mode includes shipments that went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck. ² Commodity Flow Survey data exclude shipments of crude oil.

Source: U.S. Department of Transportation, Bureau of Transportation Statistics, and U.S. Census Bureau, 2007 Commodity Flow Survey, Transportation Commodity Flow Survey, preliminary; <http://factfinder.census.gov/home/saff/main.html?_lang=en>, accessed December 2009.

Table 1070. Hazardous Shipments by Mode of Transportation: 2002 and 2007

[660,181 represents \$660,181,000,000. For business establishments in mining, manufacturing, wholesale trade, and selected retail industries. 2002 data are based on the 2002 North American Industry Classification System (NAICS). 2007 data are based on the 2007 NAICS. Selected auxiliary establishments are also included. Based on the 2007 Economic Census; see Appendix III]

Mode of transportation	Value (mil. dol.)		Tons (1,000)		Ton-miles (mil.)		Average miles per shipment	
	2002	2007	2002	2007	2002	2007	2002	2007
All modes	660,181	1,448,218	2,191,519	2,231,133	326,727	323,457	136	96
Single modes	644,489	1,370,615	2,158,533	2,111,622	311,897	279,105	105	65
Truck ¹	419,630	837,074	1,159,514	1,202,825	110,163	103,997	86	59
For-hire truck	189,803	358,792	449,503	495,077	65,112	63,288	285	214
Private truck	226,660	478,282	702,186	707,748	44,087	40,709	38	32
Rail	31,339	69,213	109,369	129,743	72,087	92,169	695	578
Water	46,856	69,186	228,197	149,794	70,649	37,064	(S)	383
Air (includes truck and air)	1,643	1,735	64	(S)	85	(S)	2,080	1,095
Pipeline ²	145,021	393,408	661,390	628,905	(S)	(S)	(S)	(S)
Multiple modes	9,631	71,069	18,745	111,022	12,488	42,886	849	834
Parcel, U.S. Postal Service or courier	4,268	7,675	245	236	119	151	837	836
Other multiple modes	5,363	63,394	18,500	110,786	12,369	42,735	1,371	2,749
Other and unknown modes	6,061	6,534	14,241	8,489	2,342	1,466	57	58
Class of material	660,181	1,448,218	2,191,519	2,231,133	326,727	323,457	136	96
Class 1, explosives	7,901	11,754	5,000	3,047	1,568	911	651	738
Class 2, gasses	73,932	131,810	213,358	250,506	37,262	55,260	95	51
Class 3, flammable liquids	490,238	1,170,455	1,788,986	1,752,814	218,574	181,615	106	91
Class 4, flammable solids	6,566	4,067	11,300	20,408	4,391	5,547	158	309
Class 5, oxidizers and organic peroxides	5,471	6,695	12,670	14,959	4,221	7,024	407	361
Class 6, toxic (poison)	8,275	21,198	8,459	11,270	4,254	5,667	626	467
Class 7, radioactive materials	5,850	20,633	57	515	44	37	(S)	(S)
Class 8, corrosive materials	38,324	51,475	90,671	114,441	36,260	44,395	301	208
Class 9, miscellaneous dangerous goods	23,625	30,131	61,018	63,173	20,153	23,002	368	484

S Data do not meet publication standards due to high sampling variability or other reasons. ¹ Truck as a single mode includes shipments that went by private truck only, for-hire truck only, or a combination of private truck and for-hire truck. ² Commodity Flow Survey Data exclude shipments of crude oil.

Source: U.S. Department of Transportation, Bureau of Transportation Statistics, and U.S. Census Bureau, 2007 Commodity Flow Survey, Transportation Commodity Flow Survey, preliminary; <http://factfinder.census.gov/home/saff/main.html?_lang=en>, accessed February 2010.