

# TRANSPORTATION

## Highway mileage in Wisconsin, January 1, 2018

County	Total miles	State trunk system	County trunk system	Local roads (city, village, town)	Other roads (parks, forests)
Adams . . . . .	1,452.25	91.45	226.67	1,134.13	0.00
Ashland . . . . .	1,136.56	119.53	91.35	878.23	47.45
Barron . . . . .	1,998.00	141.89	290.90	1,565.21	0.00
Bayfield . . . . .	2,209.73	155.17	172.81	1,778.96	102.79
Brown . . . . .	2,345.40	189.32	360.85	1,789.93	5.30
Buffalo . . . . .	1,041.74	148.02	317.89	572.44	3.39
Burnett . . . . .	1,572.58	106.38	220.05	1,205.19	40.96
Calumet . . . . .	873.92	94.33	133.49	646.10	0.00
Chippewa . . . . .	2,146.04	210.26	489.25	1,428.41	18.12
Clark . . . . .	2,190.01	157.37	300.91	1,684.75	46.98
Columbia . . . . .	1,740.05	277.90	357.23	1,103.93	0.99
Crawford . . . . .	1,089.34	182.78	132.43	768.65	5.48
Dane . . . . .	4,218.53	401.57	521.44	3,274.19	21.33
Dodge . . . . .	2,069.76	238.12	538.61	1,281.60	11.43
Door . . . . .	1,269.06	101.61	295.55	871.90	0.00
Douglas . . . . .	2,095.66	161.27	336.72	1,500.44	97.23
Dunn . . . . .	1,760.39	205.43	425.12	1,129.84	0.00
Eau Claire . . . . .	1,599.33	150.06	420.53	1,010.80	17.94
Florence . . . . .	553.90	66.84	49.12	378.34	59.60
Fond du Lac . . . . .	1,792.17	199.53	384.05	1,208.59	0.00
Forest . . . . .	1,112.42	152.41	109.06	777.84	73.11
Grant . . . . .	2,127.42	259.08	310.87	1,557.47	0.00
Green . . . . .	1,262.83	122.45	277.86	862.52	0.00
Green Lake . . . . .	703.66	69.97	228.27	405.42	0.00
Iowa . . . . .	1,318.77	169.63	364.75	783.13	1.26
Iron . . . . .	801.27	114.00	67.24	556.86	63.17
Jackson . . . . .	1,475.86	185.97	231.24	1,035.11	23.54
Jefferson . . . . .	1,443.17	179.60	257.27	1,006.30	0.00
Juneau . . . . .	1,532.84	191.95	234.18	1,095.00	11.71
Kenosha . . . . .	1,102.21	116.50	252.72	732.99	0.00
Kewaunee . . . . .	828.44	61.80	219.06	547.58	0.00
La Crosse . . . . .	1,204.23	156.51	282.09	765.63	0.00
Lafayette . . . . .	1,158.97	126.79	272.15	760.03	0.00
Langlade . . . . .	1,159.56	143.36	271.09	736.90	8.21
Lincoln . . . . .	1,323.05	155.51	270.73	869.56	27.25
Manitowoc . . . . .	1,661.89	155.06	283.60	1,223.23	0.00
Marathon . . . . .	3,384.64	276.56	614.48	2,487.12	6.48
Marinette . . . . .	2,362.53	154.27	334.28	1,641.80	232.18
Marquette . . . . .	860.30	87.18	237.28	535.77	0.07
Menominee . . . . .	452.40	40.74	36.51	79.05	296.10
Milwaukee . . . . .	3,041.72	252.84	141.02	2,629.02	18.84
Monroe . . . . .	1,732.62	238.30	343.58	1,063.17	87.57
Oconto . . . . .	2,053.08	149.76	318.51	1,539.16	45.65
Oneida . . . . .	1,723.59	159.63	171.22	1,352.56	40.18
Outagamie . . . . .	2,017.21	186.75	344.02	1,478.94	7.50
Ozaukee . . . . .	945.43	82.31	155.55	707.57	0.00
Pepin . . . . .	462.40	48.58	154.72	259.10	0.00
Pierce . . . . .	1,316.74	164.19	248.65	898.42	5.48
Polk . . . . .	1,988.11	159.13	331.37	1,487.32	10.29
Portage . . . . .	1,902.50	157.72	434.00	1,310.78	0.00
Price . . . . .	1,446.60	155.24	220.05	1,054.74	16.57
Racine . . . . .	1,332.22	152.97	164.77	1,014.48	0.00
Richland . . . . .	1,130.09	150.14	296.50	683.45	0.00
Rock . . . . .	2,088.68	252.61	213.30	1,622.55	0.22

## Highway mileage in Wisconsin, January 1, 2018, continued

County	Total miles	State trunk system	County trunk system	Local roads (city, village, town)	Other roads (parks, forests)
Rusk . . . . .	1,242.42	105.26	255.13	859.68	22.35
St. Croix . . . . .	1,945.20	205.02	336.07	1,402.43	1.68
Sauk . . . . .	1,903.92	221.52	308.31	1,294.75	79.34
Sawyer . . . . .	1,511.32	161.32	228.94	1,092.45	28.61
Shawano . . . . .	1,766.72	178.84	293.87	1,252.51	41.50
Sheboygan . . . . .	1,563.24	166.50	449.30	947.44	0.00
Taylor . . . . .	1,463.52	110.22	248.37	1,081.49	23.44
Trempealeau . . . . .	1,368.89	176.31	291.90	891.74	8.94
Vernon . . . . .	1,653.71	214.03	285.22	1,153.36	1.10
Vilas . . . . .	1,563.10	136.27	204.17	1,135.31	87.35
Walworth . . . . .	1,534.68	216.15	193.21	1,125.32	0.00
Washburn . . . . .	1,417.17	137.10	198.75	982.48	98.84
Washington . . . . .	1,540.42	187.16	182.02	1,171.24	0.00
Waukesha . . . . .	3,092.12	216.82	407.38	2,467.92	0.00
Waupaca . . . . .	1,662.38	197.08	333.69	1,131.61	0.00
Waushara . . . . .	1,331.01	132.32	333.46	865.23	0.00
Winnebago . . . . .	1,578.05	168.64	220.27	1,189.14	0.00
Wood . . . . .	1,796.85	185.84	324.41	1,273.99	12.61
<b>Total . . . . .</b>	<b>115,546.60</b>	<b>11,744.74</b>	<b>19,851.43</b>	<b>82,090.29</b>	<b>1,860.14</b>

Source: Wisconsin Department of Transportation, Division of Transportation Investment Management, departmental data, March 2019.

## Wisconsin road mileage, January 1, 2018

System	Miles	Percent	Surface	Miles	Percent
State trunk highways . . . . .	11,745	10.2	Bituminous or higher . . . . .	91,397	79.1
County trunk highways . . . . .	19,851	17.2	Gravel or soil-surfaced . . . . .	16,558	14.3
City streets . . . . .	13,937	12.1	Sealcoat . . . . .	5,653	4.9
Village streets . . . . .	6,532	5.7	Graded and drained . . . . .	1,820	1.6
Town roads . . . . .	61,621	53.3	Unimproved . . . . .	119	0.1
Park, forest, and other roads . . . . .	1,860	1.6	<b>Total . . . . .</b>	<b>115,547</b>	<b>100.0</b>
<b>Total . . . . .</b>	<b>115,547</b>	<b>100.0</b>			

Source: Wisconsin Department of Transportation, Division of Transportation Investment Management, departmental data, March 2019.

## Wisconsin harbor commerce tonnage, 2017

Harbors <sup>1</sup>	Crude inedible materials (except fuels)	Coal and lignite	Primary mfd goods	Food and farm products	Petroleum and petroleum products	Chemicals and related products	Mfd equip., machinery, and products	Unknown or other
<b>Lake Superior</b>								
Duluth-Superior . . . . .	23,276,725	10,328,060	136,442	987,247	—	51,020	3,592	104
Bayfield . . . . .	46	—	—	—	992	—	12,452	—
La Pointe . . . . .	46	—	—	—	992	—	12,452	—
<b>Lake Michigan</b>								
Milwaukee . . . . .	1,423,054	—	850,236	235,944	88,898	—	3,635	68
Green Bay . . . . .	847,591	434,822	397,747	—	100,918	47,843	—	32

## Wisconsin harbor commerce tonnage, 2017, continued

Harbors <sup>1</sup>	Crude inedible materials (except fuels)	Coal and lignite	Primary mfd goods	Food and farm products	Petro- leum and pe- troleum products	Chemical- s and related products	Mfd equip-, machin- ery, and products	Unknown or other
Menominee <sup>2</sup> . . .	73,268	—	96,632	—	—	—	1,349	5,663
Manitowoc . . .	26,239	—	106,890	—	—	—	—	—
Detroit Harbor <sup>3</sup>	200	—	—	—	1,621	—	—	4,613
Sturgeon Bay . . .	—	—	—	—	—	—	20	—
<b>Total . . . . .</b>	<b>25,647,169</b>	<b>10,762,882</b>	<b>1,587,947</b>	<b>1,223,191</b>	<b>193,421</b>	<b>98,863</b>	<b>33,500</b>	<b>10,480</b>

Note: Tonnage reported in short tons. One short ton equals 2,000 lbs.

— Represents zero; Mfd—Manufactured.

1. Harbors with reported commerce. 2. Includes tonnage handled at Marinette, Wisconsin. 3. Washington Island.

Source: U.S. Army Corps of Engineers, Navigation Data Center, Ports and Waterways (database), Calendar Year 2017, Region 3, at: <http://cwbi-ndc-navs3-website-us-east-1.amazonaws.com/files/wcsc/webpub/#/?year=2017&regionId=3> [March 2019].

## Motor vehicles in Wisconsin, by type

Fiscal year (ending June 30)	Total	Autos	Trucks <sup>1</sup>	Trailers, semi-trailers	Motor homes	Buses	Motor-cycles	Mopeds
1930 . . . . .	819,718	700,251	115,883	X	X	554	3,030	X
1935 . . . . .	722,797	597,197	116,912	5,634	X	498	2,556	X
1940 . . . . .	874,652	741,583	123,742	5,144	X	675	3,508	X
1945 . . . . .	828,425	676,978	139,591	6,484	X	1,489	3,883	X
1950 . . . . .	1,157,221	921,194	209,083	14,124	X	2,465	10,355	X
1955 . . . . .	1,369,636	1,108,084	227,367	21,643	X	3,337	9,205	X
1960 . . . . .	1,598,693	1,303,679	246,353	31,502	X	5,184	11,975	X
1965 . . . . .	1,867,223	1,517,397	269,771	44,017	X	7,218	28,820	X
1970 . . . . .	2,205,662	1,762,681	317,096	64,065	X	8,178	53,642	X
1975 . . . . .	2,737,164	2,096,694	425,854	91,609	X	11,897	111,110	X
1980 . . . . .	3,417,748	2,509,904	558,840	102,256	17,071	13,775	205,786	10,116
1985 . . . . .	3,372,029	2,310,024	765,852	72,289	17,195	10,325	176,023	20,321
1990 . . . . .	3,834,608	2,456,175	1,045,583	123,061	21,095	15,081	149,268	24,345
1995 . . . . .	4,285,753	2,464,358	1,391,374	207,042	22,554	15,593	161,762	23,070
2000 . . . . .	4,703,294	2,405,408	1,813,385	214,344	24,427	15,587	160,920	17,977
2005 . . . . .	5,226,584	2,347,042	2,216,863	342,879	22,598	12,478	249,979	34,745
2006 . . . . .	5,326,157	2,361,853	2,281,988	364,024	22,406	13,174	246,307	36,405
2007 . . . . .	5,428,629	2,357,616	2,333,538	396,229	21,147	13,516	266,036	40,547
2008 . . . . .	5,499,872	2,381,911	2,370,655	410,737	20,209	10,736	260,220	45,404
2009 . . . . .	5,532,953	2,340,991	2,396,470	417,031	20,039	12,685	291,164	54,573
2010 . . . . .	5,525,794	2,333,029	2,416,295	426,092	19,615	13,376	269,316	48,071
2011 . . . . .	5,564,794	2,300,243	2,445,056	434,782	18,792	13,745	296,808	55,368
2012 . . . . .	5,551,411	2,274,596	2,473,072	447,195	18,535	14,169	274,553	49,291
2013 . . . . .	5,671,185	2,276,007	2,548,029	460,542	18,187	10,598	301,477	56,345
2014 . . . . .	5,697,808	2,255,966	2,609,402	479,237	18,584	12,615	275,120	46,884
2015 . . . . .	5,823,555	2,229,199	2,703,329	502,301	18,766	13,324	303,577	53,059
2016 . . . . .	5,870,311	2,192,295	2,802,029	525,513	18,760	13,739	274,787	43,188
2017 . . . . .	5,985,094	2,132,984	2,919,745	546,535	18,779	14,138	303,541	49,372
2018 . . . . .	6,047,860	2,080,739	3,050,820	571,827	19,005	10,164	275,301	40,004

X—Not applicable.

1. "Trucks" includes minivans and sport utility vehicles.

Sources: Wisconsin Secretary of State, *Biennial Report—1928–30*; Wisconsin Highway Commission, *Biennial Reports—1933–35, 1938–40*; Wisconsin Motor Vehicle Department, *Wisconsin Motor Vehicle Registrations—Fiscal Years 1944–45 through 1964–65*; Wisconsin Department of Transportation, *Wisconsin Motor Vehicle Registrations—Fiscal Year 1979–80, 1980*, and previous issues, and *Wisconsin Transportation Facts* (periodical); departmental data, March 2019.

## Wisconsin motor vehicle crashes

Year	Total licensed drivers	Crashes <sup>1</sup>			Persons killed	Persons injured	Miles traveled (millions)	Fatality rate <sup>2</sup>	Fatal crash rate <sup>3</sup>
		Total	Fatal	Injury					
2001	3,835,549	125,403	684	39,358	764	58,279	57,266	1.33	1.19
2002	3,839,930	129,072	723	39,634	805	57,776	58,745	1.37	1.23
2003	3,933,924	131,191	748	39,413	836	56,882	59,617	1.40	1.25
2004	3,993,348	128,308	714	38,451	784	55,258	60,398	1.31	1.18
2005	4,049,450	125,174	700	37,515	801	53,462	60,018	1.33	1.17
2006	4,066,273	117,877	659	35,296	712	50,236	59,401	1.20	1.11
2007	4,075,764	125,123	655	36,048	737	50,676	59,493	1.24	1.10
2008	4,079,562	125,103	542	33,766	587	46,637	57,462	1.02	0.94
2009	4,085,833	109,991	488	29,907	542	41,589	58,157	0.93	0.84
2010	4,114,622	108,808	517	29,380	562	40,889	59,420	0.95	0.87
2011	4,142,823	112,516	515	28,965	565	40,144	58,554	0.96	0.88
2012	4,171,428	109,385	535	28,453	601	39,370	59,087	1.02	0.91
2013	4,188,194	118,254	491	28,474	527	39,872	59,484	0.89	0.83
2014	4,194,760	119,736	451	28,801	498	39,701	60,044	0.83	0.75
2015	4,206,770	121,613	513	29,845	555	41,653	62,140	0.89	0.83
2016	3,960,597	129,051	524	31,066	588	43,669	63,870	0.92	0.82
2017	4,286,263	139,870	539	30,614	594	42,178	65,324	0.91	0.83
2018	4,288,173	144,082	526	29,934	584	41,092	NA	NA	NA

NA—Not available.

1. A motor vehicle crash is defined as an event caused by a single variable or chain of variables. The property damage threshold for a reportable crash was raised from \$500 to \$1,000, effective January 1, 1996. 2. Number of fatalities per 100 million vehicle miles traveled. 3. Number of fatal crashes per 100 million vehicle miles traveled.

Source: Wisconsin Department of Transportation, *Wisconsin Traffic Crash Facts*; departmental data, March 2019.

## Drivers involved in crashes, 2017

Age of drivers	Total licensed drivers		Drivers involved in crashes <sup>1</sup>		Drivers by type of crash <sup>1</sup>		
	Number	% of drivers	Number	% of drivers	Fatal	Injury	Property damage
14 and under	—	—	61	0.0	1	22	38
15	—	—	233	0.1	1	81	151
16	40,327	0.9	4,309	2.2	13	1,069	3,227
17	49,430	1.2	5,106	2.6	15	1,330	3,761
18	55,032	1.3	5,454	2.7	24	1,503	3,927
19	57,324	1.3	5,067	2.6	22	1,425	3,620
20	59,265	1.4	4,985	2.5	14	1,410	3,561
21	61,917	1.4	5,045	2.5	21	1,390	3,634
22	63,781	1.5	4,998	2.5	17	1,305	3,676
23	66,391	1.5	4,810	2.4	15	1,248	3,547
24	69,452	1.6	4,600	2.3	16	1,272	3,312
25–34	716,795	16.7	39,269	19.8	166	10,567	28,536
35–44	662,998	15.5	29,705	15.0	106	7,928	21,671
45–54	717,353	16.7	28,083	14.1	127	7,360	20,596
55–64	786,504	18.3	24,929	12.6	114	6,532	18,283
65–74	536,836	12.5	13,430	6.8	63	3,549	9,818
75–84	256,650	6.0	5,952	3.0	48	1,628	4,276
85 and over	86,208	2.0	1,772	0.9	18	489	1,265
Unknown	—	—	10,678	5.4	13	1,466	9,199
<b>Total</b>	<b>4,286,263</b>		<b>198,486</b>		<b>814</b>	<b>51,574</b>	<b>146,098</b>

—Represents zero.

1. Figure indicates the number of times a driver in this age group was involved in a crash. If a driver had more than one crash, the driver would be counted more than once.

Source: Wisconsin Department of Transportation, *Wisconsin Traffic Crash Facts*; departmental data, March 2019.

## Fatal crashes on Wisconsin highways and roads

Year	Total	Interstate	State	County	Local
2001	684	35	286	167	196
2002	723	44	310	171	198
2003	748	46	317	174	211
2004	714	47	298	155	214
2005	700	42	284	163	211
2006	659	34	294	128	203
2007	655	43	259	143	210
2008	542	32	225	119	166
2009	488	27	221	93	147
2010	517	32	230	105	150
2011	515	34	236	113	132
2012	535	26	242	103	164
2013	491	26	225	104	136
2014	451	23	198	85	145
2015	513	36	223	93	161
2016	524	31	211	110	172
2017	539	36	230	91	182
2018	526	30	235	108	153

Source: Wisconsin Department of Transportation, *Wisconsin Traffic Crash Facts*; departmental data, March 2019.

## Wisconsin motorcycle crashes

Year	Total registered cycles	Cycle crashes			Cyclist fatalities <sup>1</sup>			
		Total	Fatal	Personal injury	Property damage	Total <sup>2</sup>	No helmet	Helmet
2001	201,143	2,285	69	1,928	288	70	53	14
2002	198,495	2,184	73	1,794	317	78	59	15
2003	225,181	2,512	98	2,099	315	100	74	24
2004	221,982	2,423	81	2,015	327	80	60	18
2005	239,938	2,680	91	2,277	312	92	69	22
2006	291,534	2,441	88	2,065	288	93	69	24
2007	322,505	2,788	102	2,331	355	106	70	26
2008	327,938	2,829	86	2,318	425	87	66	19
2009	355,487	2,345	82	1,912	351	82	51	27
2010	343,878	2,426	97	1,959	370	98	72	23
2011	361,893	2,331	79	1,877	375	80	69	5
2012	340,268	2,630	107	2,110	413	112	82	25
2013	367,474	2,150	84	1,705	361	83	60	20
2014	337,637	2,101	63	1,696	342	67	43	21
2015	365,878	2,221	80	1,724	417	81	63	14
2016	334,950	2,250	78	1,733	439	82	62	17
2017	363,094	2,206	73	1,741	392	76	45	27
2018	331,356	2,075	78	1,609	388	81	52	28

1. Number of cyclists killed includes both drivers and passengers. 2. Includes fatalities where there is no data on whether the cyclist was wearing a helmet.

Source: Wisconsin Department of Transportation, *Wisconsin Traffic Crash Facts*; departmental data, March 2019.

## Possible contributing circumstances to Wisconsin motor vehicle crashes, 2017

	All crashes				Urban crashes				Rural crashes			
	Total	Fatal	Injury	Property damage	Total	Fatal	Injury	Property damage	Total	Fatal	Injury	Property damage
<b>Driver</b>												
Exceed speed limit . . . . .	3,259	114	1,437	1,708	1,213	60	549	604	2,046	54	888	1,104
Speed too fast for conditions . . . . .	10,846	54	2,788	8,004	6,335	41	1,724	4,570	4,511	13	1,064	3,434
Failed to yield right-of-way . . . . .	19,467	89	6,821	12,557	4,925	57	1,790	3,078	14,542	32	5,031	9,479
Following too close . . . . .	13,361	11	3,775	9,575	3,927	7	1,141	2,779	9,434	4	2,634	6,796
Improper turn . . . . .	3,182	5	551	2,626	906	2	181	723	2,276	3	370	1,903
Unsafe backing . . . . .	7,404	0	346	7,058	2,305	0	95	2,210	5,099	0	251	4,848
Failure to control . . . . .	20,848	173	6,343	14,332	11,023	131	3,725	7,167	9,825	42	2,618	7,165
Ran off roadway . . . . .	5,022	77	1,713	3,232	3,375	60	1,250	2,065	1,647	17	463	1,167
Disregarded red light . . . . .	2,992	18	1,367	1,607	274	2	127	145	2,718	16	1,240	1,462
Disregarded stop sign . . . . .	2,185	36	959	1,190	902	33	404	465	1,283	3	555	725
Disregarded other traffic control . . . . .	835	4	291	540	206	3	78	125	629	1	213	415
Disregarded other road markings . . . . .	414	3	107	304	151	3	45	103	263	0	62	201
Improper overtaking/passing right . . . . .	772	3	143	626	209	3	44	162	563	0	99	464
Improper overtaking/passing left . . . . .	945	12	234	699	460	10	130	320	485	2	104	379
Wrong side or wrong way . . . . .	1,007	48	404	555	508	44	226	238	499	4	178	317
Failure to keep in designated lane . . . . .	6,937	106	1,863	4,968	3,380	92	1,148	2,140	3,557	14	715	2,828
Operated motor vehicle in aggressive/reckless manner . . . . .	2,071	55	762	1,254	763	26	297	440	1,308	29	465	814
Operated motor vehicle in inattentive, careless or erratic manner . . . . .	12,019	49	3,687	8,283	4,771	38	1,594	3,139	7,248	11	2,093	5,144
Swerved or avoided due to wind, slippery surface, motor vehicle, object, non-motorist in roadway, etc. . . . .	1,157	9	348	800	731	8	235	488	426	1	113	312
Over-correcting/over-steering . . . . .	1,615	37	615	963	1,113	30	477	606	502	7	138	357
Racing . . . . .	82	4	36	42	26	2	10	14	56	2	26	28
Other contributing action . . . . .	8,325	37	2,282	6,006	2,711	23	838	1,850	5,614	14	1,444	4,156
<b>Highway</b>												
Backup due to prior crash . . . . .	813	2	219	592	329	2	88	239	484	0	131	353
Backup due to prior nonrecurring incident . . . . .	454	0	146	308	190	0	68	122	264	0	78	186
Backup due to regular congestion . . . . .	4,105	2	1,130	2,973	976	0	269	707	3,129	2	861	2,266
Toll booth/plaza related . . . . .	5	0	2	3	1	0	0	1	4	0	2	2
Road surface condition (wet, icy, snow, slush, etc.) . . . . .	9,229	34	1,959	7,236	5,434	25	1,165	4,244	3,795	9	794	2,992
Debris prior to crash . . . . .	175	1	25	149	123	0	18	105	52	1	7	44
Rut, holes, bumps . . . . .	107	0	40	67	62	0	21	41	45	0	19	26

Work zone (construction/maintenance/utility) . . . . .	1,176	3	323	850	576	3	156	417	600	0	167	433
Worn, travel-polished surface . . . . .	10	0	3	7	8	0	2	6	2	0	1	1
Obstruction in roadway . . . . .	342	0	70	272	180	0	31	149	162	0	39	123
Traffic control device inoperative, missing, or obscured . . . . .	82	1	24	57	18	1	5	12	64	0	19	45
Narrow shoulder . . . . .	82	0	25	57	62	0	22	40	20	0	3	17
Low shoulder . . . . .	53	0	16	37	50	0	15	35	3	0	1	2
Soft shoulder . . . . .	64	0	27	37	60	0	26	34	4	0	1	3
Nonhighway work . . . . .	32	0	6	26	15	0	4	11	17	0	2	15
Loose gravel . . . . .	221	4	122	95	194	4	105	85	27	0	17	10
Rough pavement . . . . .	14	1	3	10	11	1	3	7	3	0	0	3
Other debris . . . . .	213	0	29	184	130	0	20	110	83	0	9	74
Sign obscured/miss . . . . .	8	0	4	4	3	0	2	1	5	0	2	3
Narrow bridge . . . . .	5	0	1	4	4	0	1	3	1	0	0	1
Visibility obscured . . . . .	396	1	124	271	164	1	51	112	232	0	73	159
Other . . . . .	510	2	114	394	207	2	50	155	303	0	64	239
<b>Vehicle . . . . .</b>												
Brakes . . . . .	1,495	4	489	1,002	505	3	154	348	990	1	335	654
Exhaust system . . . . .	27	0	8	19	14	0	2	12	13	0	6	7
Body, doors . . . . .	325	1	96	228	101	1	29	71	224	0	67	157
Steering . . . . .	492	2	159	331	213	2	72	139	279	0	87	192
Power train . . . . .	164	0	38	126	83	0	16	67	81	0	22	59
Suspension . . . . .	140	3	42	95	59	2	20	37	81	1	22	58
Tires . . . . .	1,399	10	386	1,003	811	9	224	578	588	1	162	425
Wheels . . . . .	390	1	83	306	168	1	31	136	222	0	52	170
Head lamps . . . . .	160	2	75	83	56	2	21	33	104	0	54	50
Turn signals . . . . .	72	2	25	45	38	2	11	25	34	0	14	20
Tail lamps . . . . .	67	0	30	37	37	0	18	19	30	0	12	18
Stop lamps . . . . .	39	0	18	21	21	0	12	9	18	0	6	12
Windows/windshield . . . . .	190	1	64	125	89	1	25	63	101	0	39	62
Mirrors . . . . .	60	0	17	43	25	0	8	17	35	0	9	26
Wipers . . . . .	26	0	12	14	12	0	4	8	14	0	8	6
Coupling device/trailer hitch/safety chains . . . . .	124	0	17	107	70	0	9	61	54	0	8	46
Disabled due to prior crash . . . . .	66	0	18	48	29	0	7	22	37	0	11	26
Other disabled . . . . .	199	2	68	129	67	2	17	48	132	0	51	81
Other . . . . .	768	5	140	623	362	1	65	296	406	4	75	327

Note: Numbers represent the number of times a possible contributing circumstance was cited and not the total number of accidents.

Source: Wisconsin Department of Transportation, *Wisconsin Traffic Crash Facts*; departmental data, March 2019.

## Mass transit systems in Wisconsin, January 2019

Urban bus	Rural/commuter bus	Shared-ride taxi <sup>1</sup>	
Appleton	Bay Area Rural Transit	Baraboo	Portage
Beloit	Dunn County	Beaver Dam	Prairie du Chien
Eau Claire	Kenosha County <sup>3</sup>	Berlin	Prairie du Sac/ Sauk City
Fond du Lac	La Crosse County <sup>3</sup>	Black River Falls	Rice Lake
Green Bay	Manitowoc <sup>5</sup>	Chippewa Falls	Reedsburg
Janesville	Marshfield Shuttle <sup>3</sup>	Clark County/Neillsville	Rhineland
Kenosha	Menominee Regional Transit	Clintonville	Rice Lake
La Crosse	Merrill <sup>5</sup>	Door County	Richland Center
Madison	Oneida-Vilas Counties Transit	Edgerton	Ripon
Milwaukee County <sup>3</sup>	Commission	Fort Atkinson	River Falls
Monona <sup>3</sup>	Ozaukee County Express <sup>3</sup>	Grant County	Shawano
Oshkosh	Platteville <sup>3</sup>	Hartford	Stoughton
Racine <sup>2</sup>	Racine Commuter <sup>3</sup>	Jefferson	Sun Prairie
Sheboygan	Rusk County	La Crosse County	Tomah
Superior <sup>4</sup>	Sauk County	Lake Mills	Viroqua/Westby
Waukesha (city) <sup>3</sup>	Sawyer County	Marinette	Walworth County
Waukesha County <sup>3</sup>	Stevens Point <sup>5</sup>	Marshfield	Washington County
Wausau	Verona	Mauston	Watertown
	Washington County Express <sup>3</sup>	Medford	Waupaca
		Monroe	Waupun
		New Richmond	West Bend
		Onalaska	Whitewater
		Ozaukee County	Wisconsin Rapids
		Plover	

1. Taxi services are privately contracted except for Grant County and the City of Hartford, where they are publicly owned and operated. 2. Privately managed. 3. Privately contracted. (Note: The private service in Waukesha County is an inter-urban service. Waukesha (city) and Waukesha (county) have merged to form Waukesha Metro Transit.) 4. Contracted with Duluth Transit Authority. 5. Moved to "rural" funding tier under WisDOT's criteria for service areas of less than 50,000 in population.

Source: Wisconsin Department of Transportation, Division of Transportation Investment Management, departmental data, March 2019.

## Wisconsin urban transit systems

Year	Revenue miles (1,000)	Revenue passengers (1,000)	Operating revenue <sup>1</sup> (\$1,000)
1950 . . . . .	53,362	288,996	22,692
1955 . . . . .	42,807	169,129	23,134
1960 . . . . .	34,950	130,299	20,665
1965 . . . . .	32,330	110,979	20,457
1970 . . . . .	28,371	80,172	22,078
1975 . . . . .	26,119	63,587	22,454
1980 . . . . .	33,943	88,756	29,631
1985 . . . . .	31,829	79,540	39,635
1990 . . . . .	33,685	78,215	39,594
1995 . . . . .	30,734	71,875	50,171
2000 . . . . .	42,447	89,821	58,785
2001 . . . . .	46,755	87,729	60,299
2002 . . . . .	48,322	84,874	64,263
2003 . . . . .	47,753	81,650	61,868
2004 . . . . .	46,696	81,812	65,621
2005 . . . . .	52,163	83,545	67,628
2006 . . . . .	51,700	83,913	72,896
2007 . . . . .	51,748	81,229	77,236
2008 . . . . .	52,439	82,953	83,263

### Wisconsin urban transit systems, continued

Year	Revenue miles (1,000)	Revenue passengers (1,000)	Operating revenue <sup>1</sup> (\$1,000)
2009	52,488	77,510	82,570
2010	52,579	74,717	87,288
2011	52,316	77,533	82,640
2012	51,214	75,290	83,005
2013	50,973	74,694	83,522
2014	52,003	72,281	76,310
2015	53,268	67,281	71,737
2016	52,816	63,346	68,149
2017	54,078	59,955	68,422

1. As recognized by the Wisconsin Department of Transportation.

Sources: Wisconsin Department of Transportation, Division of Transportation Assistance, Bureau of Transit, *Wisconsin Urban Bus System Annual Report 1989* and previous issues; departmental data, March 2019.

### Railroad mileage, usage, and revenue in Wisconsin

Year	No. of railroads	Mileage operated in Wisconsin <sup>1</sup>		Freight traffic			Passenger traffic		
		Road <sup>2</sup>	Track <sup>3</sup>	Tons (1,000)	Ton-miles <sup>4</sup> (1,000)	Revenue (\$1,000)	Passengers (1,000)	Miles <sup>5</sup> (1,000)	Revenue (\$1,000)
1920	35	7,546	11,615	100,991	9,052,084	92,826.00	20,188	960,569	28,646.00
1930	27	7,231	11,583	83,672	6,908,656	78,747	4,799	466,154	14,071
1940	22	6,646	10,484	87,980	6,910,647	69,941	3,952	445,938	8,201
1950	20	6,337	10,000	121,576	10,850,178	141,762	5,575	646,353	14,933
1960	18	6,195	9,625	93,475	9,096,855	134,065	3,127	383,457	9,800
1970	15	5,965	9,127	97,130	13,432,055	191,764	1,463	138,572	4,264
1980 <sup>6</sup>	21	5,192	7,990	101,008	14,727,522	453,977	174	1,122	54
1990	15	4,415	6,125	116,099	14,436,776	455,541	112	783	63
2000	12	3,548	4,956	151,573	21,321,266	580,678	NA	NA	NA
2001	13	3,699	5,107	158,881	25,922,949	700,258	NA	NA	NA
2002	12	3,688	5,095	NA	21,417,016	704,167	NA	NA	NA
2003	11	3,450	4,643	118,387	26,092,960	667,736	NA	NA	NA
2004	11	3,417	4,610	106,719	27,408,816	713,951	NA	NA	NA
2005	11	3,417	4,614	109,214	27,966,142	715,206	NA	NA	NA
2006	12	3,432	4,634	114,609	28,024,633	717,421	NA	NA	NA
2007	12	3,430	4,585	109,210	22,942,906	737,119	NA	NA	NA
2008	12	3,417	4,560	109,207	22,906,152	784,264	NA	NA	NA
2009	10	3,417	4,571	107,146	20,456,847	762,649	NA	NA	NA
2010	10	3,408	4,594	108,206	21,394,264	771,203	NA	NA	NA
2011	10	3,402	4,606	106,527	24,891,634	971,369	NA	NA	NA
2012	9	3,482	4,669	111,472	25,972,105	1,146,602	NA	NA	NA
2013	9	3,489	4,676	126,154	28,734,278	1,288,345	NA	NA	NA
2014	9	3,482	4,668	135,210	30,455,440	1,511,135	NA	NA	NA
2015	9	3,005	4,176	130,219	29,220,895	1,237,662	NA	NA	NA
2016	9	3,018	4,189	114,986	27,804,936	994,275	NA	NA	NA
2017	9	2,995	4,111	138,393	31,589,253	1,155,539	NA	NA	NA

NA—Not available.

1. In order to avoid duplication, mileage shown is exclusive of trackage rights. 2. Road mileage is the measurement of stone roadbed in miles. 3. Track mileage is the measurement of track (2 steel rails) on roadbeds in miles. 4. A ton-mile is the movement of one ton (2,000 pounds) of cargo over the distance of one mile. 5. Passenger miles are the combination of the number of passengers carried on Wisconsin trains and the miles traveled by the passengers while within Wisconsin boundaries. 6. Intercity passenger service operated by Amtrak after May 1, 1971.

Source: Office of the Wisconsin Commissioner of Railroads, departmental data, March 2019.

## Wisconsin airport usage by certified air carriers<sup>1</sup>

	2016		2017		2018	
	Passen- gers	Enplaned freight (lb.)	Passen- gers	Enplaned freight (lb.)	Passen- gers	Enplaned freight (lb.)
General Mitchell International (Milwaukee) . . . . .	3,327,536	80,336,000	3,414,477	79,214,423	3,548,817	79,010,065
Dane County Regional (Madison) . . . . .	903,155	15,090,373	943,363	13,267,346	1,082,529	14,297,349
Green Bay-Austin Straubel International (Green Bay) . . . . .	292,868	181,034	283,823	206,259	324,840	155,695
Appleton International (Appleton) . . . . .	270,633	9,685,052	281,552	10,156,234	360,107	10,978,393
Central Wisconsin (Mosinee) . . . . .	119,222	979,526	116,404	847,160	128,181	771,232
La Crosse Municipal (La Crosse) . . . . .	94,047	X	92,101	X	98,744	X
Chippewa Valley Regional (Eau Claire) . . . . .	21,304	X	22,822	X	23,734	X
Rhineland-Oneida County (Rhineland) . . . . .	20,414	1,693,783	23,014	1,501,408	24,931	1,562,840
<b>Total.</b> . . . . .	<b>5,049,179</b>	<b>107,965,768</b>	<b>5,177,556</b>	<b>105,192,830</b>	<b>5,591,883</b>	<b>106,775,574</b>

X—Not applicable.

1. Wisconsin has eight scheduled air carrier airports. A certified air carrier is an airline that is registered by the Federal Aviation Administration.

Source: Wisconsin Department of Transportation, departmental data, March 2019.

## Number of landing facilities in Wisconsin

Type	2016	2018
Airports in the State Airport System (public use) <sup>1</sup> . . . . .	97	97
Privately owned, public use airports . . . . .	33	31
Private use airports . . . . .	421	426
Heliports <sup>2</sup> . . . . .	154	155
Seaplane bases <sup>2</sup> . . . . .	27	27

1. Eligible for federal and/or state funding. 2. Public and private.

Source: Wisconsin Department of Transportation, departmental data, March 2019.