

**Data Brief 400. Motor Vehicle Traffic Death Rates, by Sex, Age Group, and Road User Type: United States, 1999–2019**

**Data table for Figure 1. Age-adjusted rates for motor vehicle traffic deaths, by sex: United States, 1999–2019**

Year	Total		Male		Female	
	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000
1999	40,965	14.7	27,380	20.4	13,585	9.4
2000	41,994	14.9	28,352	20.9	13,642	9.3
2001	42,443	14.8	28,961	20.9	13,482	9.1
2002	44,065	15.2	29,989	21.4	14,076	9.4
2003	43,340	14.9	29,545	20.9	13,795	9.1
2004	43,432	14.7	29,648	20.7	13,784	9.0
2005	43,667	14.6	30,291	20.9	13,376	8.7
2006	43,664	14.5	30,330	20.6	13,334	8.6
2007	42,031	13.8	29,604	20.0	12,427	7.9
2008	37,985	12.3	26,872	17.9	11,113	7.0
2009	34,485	11.1	24,097	15.9	10,388	6.5
2010	33,687	10.7	23,438	15.4	10,249	6.3
2011	33,783	10.6	23,779	15.4	10,004	6.1
2012	34,935	10.9	24,579	15.7	10,356	6.3
2013	33,804	10.5	23,814	15.1	9,990	6.0
2014	33,736	10.3	23,883	15.0	9,853	5.8
2015	36,161	10.9	25,661	15.9	10,500	6.2
2016	38,748	11.7	27,447	16.9	11,301	6.7
2017	38,659	11.5	27,454	16.8	11,205	6.5
2018	37,991	11.2	26,859	16.2	11,132	6.4
2019	37,595	11.1	26,671	16.0	10,924	6.3

NOTES: Deaths per 100,000 U.S. standard population. Motor vehicle traffic deaths were identified using *International Classification of Diseases, 10th Revision (ICD-10)* codes V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.8), and V89.2. Age-adjusted death rates were calculated using the direct method and the 2000 U.S. standard population.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality (NVSS–M).

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**Data table for Figure 2. Motor vehicle traffic death rates among males, by age group: United States, 1999–2019**

Year	0–14 years		15–24 years		25–64 years		65 years and over	
	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000
1999	1,383	4.5	6,933	35.0	14,806	20.6	4,231	29.6
2000	1,359	4.4	7,320	36.5	15,618	21.5	4,029	28.0
2001	1,296	4.2	7,590	36.8	15,948	21.6	4,100	28.1
2002	1,243	4.0	7,987	38.1	16,506	22.2	4,220	28.6
2003	1,264	4.1	7,606	35.9	16,578	22.0	4,083	27.3
2004	1,215	3.9	7,614	35.4	16,693	21.9	4,106	27.0
2005	1,102	3.6	7,688	35.3	17,347	22.5	4,149	26.9
2006	998	3.2	7,765	35.3	17,637	22.6	3,918	24.9
2007	965	3.1	7,420	33.5	17,181	21.8	4,029	25.0
2008	804	2.6	6,271	28.2	16,088	20.2	3,706	22.3
2009	737	2.4	5,281	23.7	14,604	18.2	3,469	20.4
2010	698	2.2	4,980	22.3	14,204	17.6	3,556	20.5
2011	687	2.2	4,970	22.2	14,362	17.6	3,756	20.9
2012	671	2.1	4,935	21.9	15,080	18.4	3,889	20.7
2013	643	2.1	4,636	20.6	14,601	17.7	3,932	20.1
2014	614	2.0	4,711	20.9	14,615	17.6	3,937	19.3
2015	668	2.1	4,832	21.5	15,832	19.0	4,324	20.5
2016	690	2.2	4,986	22.4	17,005	20.3	4,764	21.9
2017	681	2.2	4,751	21.4	17,115	20.2	4,907	21.7
2018	585	1.9	4,436	20.2	16,890	19.9	4,946	21.2
2019	605	2.0	4,149	19.0	16,674	19.7	5,243	21.8

NOTE: Motor vehicle traffic deaths were identified using *International Classification of Diseases, 10th Revision* (ICD-10) codes V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.8), and V89.2.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality (NVSS–M).

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**Data table for Figure 3. Motor vehicle traffic death rates among females, by age group: United States, 1999–2019**

Year	0–14 years		15–24 years		25–64 years		65 years and over	
	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000
1999	1,015	3.5	2,960	15.7	6,370	8.7	3,237	15.8
2000	1,013	3.4	3,003	15.7	6,437	8.7	3,189	15.5
2001	945	3.2	2,923	14.9	6,452	8.6	3,156	15.3
2002	905	3.1	3,247	16.3	6,722	8.8	3,200	15.4
2003	890	3.0	3,130	15.5	6,577	8.5	3,196	15.3
2004	950	3.2	3,143	15.4	6,616	8.5	3,069	14.6
2005	850	2.9	2,969	14.4	6,657	8.4	2,899	13.7
2006	830	2.8	2,974	14.3	6,708	8.4	2,820	13.2
2007	737	2.5	2,852	13.6	6,235	7.7	2,603	12.0
2008	557	1.9	2,376	11.2	5,719	7.0	2,461	11.1
2009	585	2.0	2,170	10.2	5,245	6.4	2,385	10.6
2010	527	1.8	2,044	9.6	5,194	6.3	2,481	10.8
2011	523	1.7	1,956	9.2	5,056	6.1	2,469	10.5
2012	500	1.7	1,975	9.2	5,391	6.4	2,489	10.2
2013	506	1.7	1,874	8.7	5,207	6.2	2,401	9.6
2014	469	1.6	1,820	8.5	5,127	6.1	2,436	9.4
2015	491	1.6	1,955	9.1	5,518	6.5	2,536	9.5
2016	571	1.9	2,051	9.7	6,013	7.0	2,665	9.7
2017	526	1.8	1,946	9.2	5,973	6.9	2,760	9.8
2018	488	1.6	1,872	8.9	6,021	7.0	2,751	9.4
2019	505	1.7	1,718	8.2	5,909	6.9	2,790	9.3

NOTE: Motor vehicle traffic deaths were identified using *International Classification of Diseases, 10th Revision* (ICD–10) codes V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.8), and V89.2.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality (NVSS–M).

Data Brief 400. Motor Vehicle Traffic Death Rates, by Sex, Age Group, and Road User Type: United States, 1999–2019

Data table for Figure 4. Age-adjusted motor vehicle traffic death rates, by road-user type: United States, 1999–2019

Year	Occupant		Motorcyclist		Pedal cyclist		Pedestrian	
	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000	Number	Deaths per 100,000
1999	33,541	12.0	2,256	0.8	615	0.2	4,545	1.7
2000	34,108	12.1	2,705	1.0	572	0.2	4,598	1.6
2001	34,044	11.9	2,976	1.0	585	0.2	4,822	1.7
2002	35,302	12.2	3,151	1.1	550	0.2	5,038	1.7
2003	34,194	11.7	3,617	1.3	572	0.2	4,952	1.7
2004	34,004	11.5	3,940	1.3	637	0.2	4,838	1.6
2005	33,741	11.3	4,296	1.4	700	0.2	4,917	1.6
2006	33,240	11.0	4,703	1.6	688	0.2	5,021	1.7
2007	31,738	10.4	4,889	1.6	578	0.2	4,820	1.6
2008	27,869	9.1	5,037	1.6	582	0.2	4,489	1.4
2009	25,622	8.2	4,214	1.3	529	0.1	4,109	1.3
2010	24,566	7.8	4,178	1.3	551	0.2	4,383	1.4
2011	24,180	7.6	4,265	1.3	601	0.2	4,726	1.5
2012	24,663	7.7	4,572	1.4	610	0.2	5,077	1.6
2013	24,017	7.4	4,169	1.3	623	0.2	4,989	1.5
2014	23,842	7.3	4,036	1.2	623	0.2	5,227	1.6
2015	25,321	7.7	4,431	1.3	675	0.2	5,720	1.7
2016	26,906	8.1	4,780	1.4	704	0.2	6,348	1.9
2017	26,708	8.0	4,777	1.4	679	0.2	6,480	1.9
2018	25,982	7.7	4,614	1.4	682	0.2	6,704	2.0
2019	25,616	7.6	4,577	1.4	712	0.2	6,681	2.0

NOTES: Deaths per 100,000 U.S. standard population. Motor vehicle traffic deaths were identified using *International Classification of Diseases, 10th Revision* (ICD-10) codes V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.8), and V89.2. Deaths of motor vehicle occupants were identified using ICD-10 codes V30–V79 (.4–.9), V83–V86 (.0–.3), V87 (.0–.8), and V89.2. Codes V87 (.0–.8) and V89.2 were included as motor vehicle occupants based on a comparison of the National Highway Traffic Safety Administration Fatality Analysis Reporting System with the National Vital Statistics System Mortality data that suggested that unspecified road users are likely occupants. Deaths of motorcyclists were identified using ICD-10 codes V20–V28 (.3–.9) and V29 (.4–.9); pedal cyclists, V12–V14 (.3–.9) and V19 (.4–.6); and pedestrians, V02–V04 (.1, .9) and V09.2. Age-adjusted death rates were calculated using the direct method and the 2000 U.S. standard population.

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality (NVSS–M).