

Traffic Safety Facts 1994

U.S. Department of Transportation
National Highway Traffic
Safety Administration



School Buses



A school bus-related crash is a crash which involves, either directly or indirectly, a school bus-type vehicle, or a vehicle functioning as a school bus, transporting children to or from school or school-related activities.

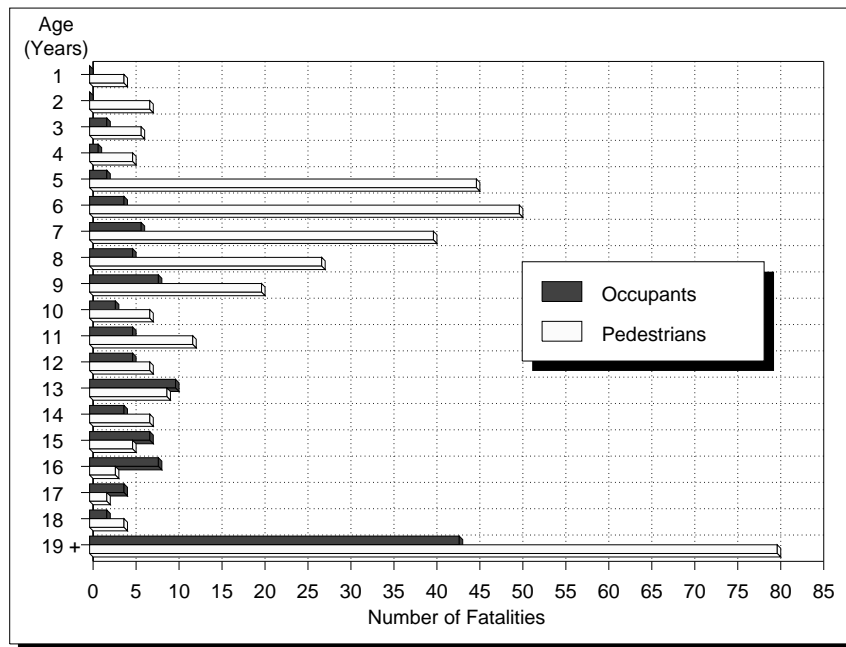
Since 1984 there have been about 428,000 fatal traffic crashes. Less than 0.4 percent were classified as school bus related.

Since 1984, 1,517 people have died in school bus-related crashes—an average of 138 fatalities per year. Most of the people who lost their lives in those crashes (60 percent) were occupants of other vehicles involved. Nonoccupants (pedestrians, bicyclists, etc.) accounted for 29 percent of the deaths, and school bus occupants accounted for 11 percent (drivers 2 percent, passengers 9 percent).

Since 1984, 310 school-age pedestrians (less than 19 years old) have died in school bus-related crashes. Two-thirds (65 percent) were killed by school buses, 5 percent by vehicles functioning as school buses, and 30 percent by other vehicles involved in the crashes. Half of all school-age pedestrians killed in school bus-related crashes were between the ages of 5 and 7.

“An average of 42 school-age children die in school bus-related traffic crashes each year—11 school bus occupants and 31 pedestrians.”

Figure 1. Occupant and Pedestrian Fatalities in School Bus-Related Crashes, by Age, 1984-1994



Note: Occupant fatalities shown are for occupants of school buses or vehicles used as school buses.

On average, 20 school-age pedestrians are killed by school buses (or vehicles used as school buses) each year, and 8 are killed by other vehicles involved in school bus-related crashes.

More school-age pedestrians are killed in the afternoon than in the morning, with 44 percent of the fatalities occurring in crashes between 3:00 and 4:00 PM.

Table 1. Fatalities in School Bus-Related Crashes by Time of Day, 1984-1994

Time of Day	Occupant Fatalities*	Pedestrians (School Age)	Total Fatalities
12:00-6:59 AM	7	5	12
7:00-7:59 AM	40	36	76
8:00-8:59 AM	13	27	40
9:00-9:59 AM	5	5	10
10:00-10:59 AM	5	0	5
11:00-11:59 AM	4	7	11
12:00-12:59 PM	5	9	14
1:00-1:59 PM	5	4	9
2:00-2:59 PM	16	43	59
3:00-3:59 PM	41	137	178
4:00-4:59 PM	5	32	37
5:00-11:59 PM	18	5	23
Total	164	310	474

* Does not include occupants of other vehicles in school bus-related crashes.

“From 1984 to 1994, half of all school-age pedestrians killed in school bus-related crashes were 5 to 7 years old.”

Between 1984 and 1994, 97 crashes occurred in which at least one occupant of a school bus or a vehicle functioning as a school bus died. The majority of those crashes (53 percent) involved another vehicle. In the 46 single-vehicle crashes, 58 occupants—16 drivers and 42 passengers—were killed. In the 51 multiple-vehicle crashes, 16 drivers and 90 passengers died. In the 46 single-vehicle crashes, the first harmful events were as follows: striking a fixed object (27 crashes), the vehicle overturning (7 crashes), a person falling from the vehicle (8 crashes), the vehicle colliding with a train (3 crashes), and other noncollision (1 crash).

In 43 percent of all crashes involving fatalities to occupants of a school bus or vehicle used as a school bus, the principal point of impact was the front of the vehicle.

Since 1984, 6 drivers and 36 passengers have died in school buses providing transportation for purposes other than school or school-related activities (churches, civic organizations, etc.). In one such multi-vehicle crash, 27 occupants, including the driver, died.

Table 2. Occupant Fatalities in School Bus-Related Crashes by Principal Impact Point on School Bus Vehicle, 1984-1994

Principal Impact Point on Bus	Type of Crash					
	Single-Vehicle		Multiple-Vehicle		Total	
	Crashes	Fatalities	Crashes	Fatalities	Crashes	Fatalities
Front	15	19	26	63	41	82
Right Side	6	6	10	15	16	21
Left Side	2	3	7	10	9	13
Rear	2	2	6	10	8	12
Top	3	8	2	8	5	16
Undercarriage	1	1	0	0	1	1
Noncollision	15	17	0	0	15	17
Unknown	2	2	0	0	2	2
Total	46	58	51	106	97	164

“Impacts to the front of the vehicle occur in 43 percent of fatal school bus-related crashes.”

Table 3. School-Age Pedestrians Killed in School Bus-Related Crashes by Vehicle Maneuver, 1984-1994

Vehicle Maneuver	Striking Vehicle			
	School Bus	Vehicle Used as School Bus	Other Vehicle	Total
Going Straight	76	11	59	146
Slowing or Stopping in Traffic Lane	3	0	2	5
Starting in Traffic Lane	83	2	0	85
Passing or Overtaking Another Vehicle	0	0	21	21
Leaving a Parked Position	8	1	0	9
Maneuvering to Avoid an Animal, Pedestrian, Object, Other Vehicle, etc.	0	0	6	6
Turning Right	13	0	0	13
Turning Left	9	0	0	9
Backing Up (Other Than for Parking)	4	1	0	5
Negotiating a Curve	1	0	4	5
Entering Parked Position	1	0	0	1
Changing Lanes	1	0	1	2
Other/Unknown	2	1	0	2
Total School-Age Pedestrians Killed	201	16	93	310

Table 4. School Bus-Related Crashes Involving Occupant Fatalities, 1984-1994

Year	School Bus Body-Type				Vehicle Used as School Bus				Total			
	Single-Vehicle		Multiple-Vehicle		Single-Vehicle		Multiple-Vehicle		Single-Vehicle		Multiple-Vehicle	
	Crashes	Fatalities	Crashes	Fatalities	Crashes	Fatalities	Crashes	Fatalities	Crashes	Fatalities	Crashes	Fatalities
1984	3	4	*3	15	1	1	2	2	4	5	5	17
1985	4	9	6	15	0	0	0	0	4	9	6	15
1986	0	0	1	1	1	1	0	0	1	1	1	1
1987	0	0	6	11	3	3	3	3	3	3	9	14
1988	2	2	4	5	1	1	0	0	3	3	4	5
1989	7	8	**5	25	3	3	1	1	10	11	6	26
1990	5	7	4	4	0	0	0	0	5	7	4	4
1991	0	0	6	10	4	6	1	1	4	6	7	11
1992	3	3	4	4	2	3	0	0	5	6	4	4
1993	5	5	2	5	2	2	1	1	7	7	3	6
1994	0	0	0	0	0	0	2	3	0	0	2	3
Total	29	38	41	95	17	20	10	11	46	58	51	106

* Includes one crash with 9 occupant fatalities.

** Includes one crash with 21 occupant fatalities.

Note: Does not include occupants of other vehicles in school bus-related crashes.

Table 5. Fatalities in School Bus-Related Crashes, 1984-1994

Year	Occupants of School Bus*			Pedestrians			Other Nonoccupants	Occupants of Other Vehicle	Total
	Driver	Passenger	Total	Struck by School Bus*	Struck by Other Vehicle	Total			
1984	5	17	22	28	11	39	5	96	162
1985	2	22	24	28	13	41	4	89	158
1986	2	0	2	31	16	47	6	73	128
1987	8	9	17	32	11	43	5	113	178
1988	2	6	8	19	17	36	6	80	130
1989	4	33	37	25	7	32	1	72	142
1990	4	7	11	32	7	39	1	64	115
1991	2	15	17	21	5	26	5	86	134
1992	1	9	10	21	8	29	2	83	124
1993	1	12	13	32	8	40	2	86	141
1994	1	2	3	28	8	36	2	64	105
Total	32	132	164	297	111	408	39	906	1,517
Average	3	12	15	27	10	37	4	82	138

* Includes school bus body type and vehicle used as school bus.

For more information:

Information on school bus traffic fatalities is available from the National Center for Statistics and Analysis, NRD-31, 400 Seventh Street, S.W., Washington, D.C. 20590. Telephone inquiries should be addressed to Ms. Louann Hall at (202) 366-4198. FAX messages should be sent to (202) 366-7078. To report a safety-related problem or to inquire about motor vehicle safety information, contact the Auto Safety Hotline at 1-800-424-9393.

“Serving the Highway Safety Community by the Numbers”