

2017 RESTRAINT USE FOR REPORTED OCCUPANTS OF MOTOR VEHICLES

2017	RESTRAINT USE AND INJURY EXPERIENCE FOR REPORTED OCCUPANTS OF MOTOR VEHICLES*								% INJURY BY RESTRAINT USE TYPE		
	Total	Fatalities	A Injuries	B Injuries	C Injuries	All (ABC) Injuries	No Injuries	Not Coded	% Total	% Fatalities and A Injuries	% All (ABC) Injuries
No belts available	2,395	8	79	114	317	510	1,870	7	0.4%	1.4%	0.7%
Shoulder only used	3,150	3	44	99	373	516	2,627	4	0.5%	0.7%	0.7%
Lap only used	2,152	3	24	88	231	343	1,801	5	0.3%	0.4%	0.5%
Both lap & shoulder used	529,665	349	3,363	15,468	44,478	63,309	465,615	392	83.7%	58.6%	84.3%
No belts used	4,974	198	578	844	872	2,294	2,471	11	0.8%	12.3%	3.1%
Child restraint used - forward facing	6,595	2	22	157	626	805	5,777	11	1.0%	0.4%	1.1%
Child restraint not used	196	2	5	16	37	58	133	3	0.0%	0.1%	0.1%
Child restraint used - rear facing	2,939	3	6	29	245	280	2,647	9	0.5%	0.1%	0.4%
Child restraint used - booster seat	2,511	2	14	72	273	359	2,143	7	0.4%	0.3%	0.5%
Restraint failure	194	0	7	13	30	50	144	0	0.0%	0.1%	0.1%
Restraint use unknown	66,138	114	490	940	2,318	3,748	20,230	42,046	10.5%	9.5%	5.0%
Helmet worn	2,357	78	462	762	454	1,678	599	2	0.4%	8.5%	2.2%
Helmet not worn	1,317	75	342	420	227	989	251	2	0.2%	6.6%	1.3%
Helmet use unknown	217	12	40	48	33	121	83	1	0.0%	0.8%	0.2%
Uncoded & errors	7,786	0	7	1	17	25	211	7,550	1.2%	0.1%	0.0%
Total	632,586	849	5,483	19,071	50,531	75,085	506,602	50,050	100.0%	100.0%	100.0%

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded "number of occupants in vehicle", but only 632,586 person records in the crash file.

Note: Additional child restraint values were added beginning with 2016 data.

INJURY EXPERIENCE FOR VEHICLE OCCUPANTS NOT USING RESTRAINTS

YEAR	REPORTED VEHICLE OCCUPANTS NOT USING RESTRAINTS*				% OF UNRESTRAINED VEHICLE OCCUPANTS			
	Unrestrained Vehicle Occupants	Fatalities	A Injuries	All (ABC) Injuries	% Fatalities	% A Injuries	% Fatalities and A Injuries	% All (ABC) Injuries
2008	8,128	276	1,007	4,141	3.4%	12.4%	15.8%	50.9%
2009	8,494	228	983	3,925	2.7%	11.6%	14.3%	46.2%
2010	8,893	236	875	3,917	2.7%	9.8%	12.5%	44.0%
2011	9,867	215	811	3,781	2.2%	8.2%	10.4%	38.3%
2012	10,856	300	936	4,367	2.8%	8.6%	11.4%	40.2%
2013	10,282	268	892	4,145	2.6%	8.7%	11.3%	40.3%
2014	10,668	253	809	3,919	2.4%	7.6%	10.0%	36.7%
2015	11,148	272	897	4,185	2.4%	8.0%	10.5%	37.5%
2016	10,331	295	1,014	4,223	2.9%	9.8%	12.7%	40.9%
2017	8,882	283	1,004	3,851	3.2%	11.3%	14.5%	43.4%

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded “number of occupants in vehicle”, but only 632,586 person records in the crash file.

CHILDREN AGES 0-8 USING CHILD RESTRAINTS IN CRASHES

YEAR	TOTAL REPORTED*		FATALITIES		A INJURIES		ALL (ABC) INJURIES		UNINJURED		INJURY UNKNOWN	
	Used	Not Used	Used	Not Used	Used	Not Used	Used	Not Used	Used	Not Used	Used	Not Used
2008	1,264	71	5	2	39	11	739	58	518	11	2	0
2009	2,792	106	4	1	48	13	940	74	1,848	31	0	0
2010	5,179	173	5	2	40	11	1,055	89	4,115	82	4	0
2011	6,585	153	3	1	36	14	1,133	72	5,447	80	2	0
2012	7,505	194	7	2	28	13	1,046	61	6,452	131	0	0
2013	8,262	201	4	0	39	4	1,086	65	7,172	136	0	0
2014	9,152	259	3	0	37	8	1,093	65	8,059	185	0	0
2015	10,349	329	4	1	29	5	1,160	82	9,189	247	3	0
2016	11,619	233	2	1	51	9	1,413	87	10,140	145	64	0
2017	11,548	172	7	2	39	5	1,373	57	10,153	110	15	3

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded "number of occupants in vehicle", but only 632,586 person records in the crash file.

2017 RESTRAINT USE AND DEGREE OF INJURY FOR CHILDREN AGES 0-8 YEARS OLD

2017	RESTRAINT USE AND DEGREE OF INJURY FOR CHILDREN AGES 0-8*								% INJURY BY RESTRAINT USE TYPE		
	Total Reported	Fatalities	A Injuries	B Injuries	C Injuries	All (ABC) Injuries	No Injuries	Not Coded	% Total	% Fatalities and A Injuries	% All (ABC) Injuries
No belts available	317	1	0	4	23	289	0	27	1.8%	1.0%	1.2%
Shoulder only used	71	0	1	0	6	64	0	7	0.4%	1.0%	0.3%
Lap only used	176	1	2	15	18	140	0	35	1.0%	3.1%	1.5%
Both lap & shoulder used	4,196	1	27	116	498	3,548	6	641	24.2%	28.9%	28.0%
No belts used	131	2	5	17	15	92	0	37	0.8%	7.2%	1.6%
Child restraint used - forward facing	6,383	2	21	152	603	5,600	5	776	36.8%	23.7%	33.9%
Child restraint not used	172	2	5	16	36	110	3	57	1.0%	7.2%	2.5%
Child restraint used - rear facing	2,875	3	5	27	237	2,597	6	269	16.6%	8.2%	11.8%
Child restraint used - booster seat	2,290	2	13	64	251	1,956	4	328	13.2%	15.5%	14.3%
Restraint failure	20	0	0	1	1	18	0	2	0.1%	0.0%	0.1%
Restraint use unknown	675	1	3	20	83	557	11	106	3.9%	4.1%	4.6%
Helmet worn	2	0	0	1	0	1	0	1	0.0%	0.0%	0.0%
Helmet not worn	2	0	0	1	1	0	0	2	0.0%	0.0%	0.1%
Helmet use unknown	1	0	0	0	0	1	0	0	0.0%	0.0%	0.0%
Uncoded & errors	18	0	0	0	1	12	5	1	0.1%	0.0%	0.0%
Total	17,329	15	82	434	1,773	14,985	40	2,289	100.0%	100.0%	100.0%

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded "number of occupants in vehicle", but only 632,586 person records in the crash file.

Note: Additional child restraint values were added beginning with 2016 data.

REPORTED INJURED OCCUPANTS WITH AIRBAG DEPLOYMENTS

YEAR	AIRBAG DEPLOYMENTS*						% BY AIRBAG DEPLOYMENT			
	Total Airbag Deployments	Fatalities	A Injuries	B Injuries	C Injuries	All (ABC) Injuries	% Fatalities	% A Injuries	% Fatalities and A Injuries	% All (ABC) Injuries
2008	43,097	318	2,083	5,492	11,584	19,159	0.7%	4.8%	5.6%	44.5%
2009	42,451	273	2,193	5,477	11,358	19,028	0.6%	5.2%	5.8%	44.8%
2010	43,250	293	2,079	5,632	11,465	19,176	0.7%	4.8%	5.5%	44.3%
2011	45,511	313	1,998	5,817	12,141	19,956	0.7%	4.4%	5.1%	43.8%
2012	48,015	336	2,108	6,037	12,410	20,555	0.7%	4.4%	5.1%	42.8%
2013	50,385	356	1,968	6,309	13,089	21,366	0.7%	3.9%	4.6%	42.4%
2014	52,277	338	1,931	6,231	13,759	21,921	0.6%	3.7%	4.3%	41.9%
2015	57,551	365	1,994	6,804	15,646	24,444	0.6%	3.5%	4.1%	42.5%
2016	66,801	380	2,490	8,543	17,374	28,407	0.6%	3.7%	4.3%	42.5%
2017	74,255	423	2,812	9,751	17,879	30,442	0.6%	3.8%	4.4%	41.0%

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded “number of occupants in vehicle”, but only 632,586 person records in the crash file.

2017 AIRBAG DEPLOYMENTS FOR REPORTED OCCUPANTS OF MOTOR VEHICLES

2017	AIRBAG DEPLOYMENT*								% BY AIRBAG DEPLOYMENT		
	Total	Fatalities	A Injuries	B Injuries	C Injuries	All (ABC) Injuries	No Injuries	Not Coded	% Total	% Fatalities and A Injuries	% All (ABC) Injuries
Deployed - front	49,990	244	1,798	6,376	11,599	19,773	29,939	34	7.9%	32.2%	26.3%
Not deployed	466,575	170	1,451	7,208	29,592	38,251	427,767	387	73.8%	25.6%	50.9%
Not equipped	36,108	207	1,090	1,836	2,367	5,293	28,027	2,581	5.7%	20.5%	7.0%
Deployed - side	4,871	19	88	413	1,131	1,632	3,217	3	0.8%	1.7%	2.2%
Deployed - curtain	3,325	13	58	346	748	1,152	2,160	0	0.5%	1.1%	1.5%
Deployed - other	375	0	8	32	88	128	247	0	0.1%	0.1%	0.2%
Deployed - combination	15,694	147	860	2,584	4,313	7,757	7,776	14	2.5%	15.9%	10.3%
Unknown	48,256	48	121	270	661	1,052	7,214	39,942	7.6%	2.7%	1.4%
Uncoded & errors	7,392	1	9	6	32	47	255	7,089	1.2%	0.2%	0.1%
Total	632,586	849	5,483	19,071	50,531	75,085	506,602	50,050	100.0%	100.0%	100.0%

*Uninjured occupants are often not reported on the UD-10. In 2017, there were 660,574 persons involved in crashes based on the officer coded "number of occupants in vehicle", but only 632,586 person records in the crash file.

Note: Airbag deployment is defined as airbag deployed for this seating position. Additional airbag deployment values were added beginning with 2016 data.