

## 2018 RESTRAINT USE FOR REPORTED OCCUPANTS OF MOTOR VEHICLES

2018	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	2,251	9	32	137	259	428	1,805	9	0.4%	0.7%	0.6%
Shoulder only used	2,736	2	28	92	332	452	2,281	1	0.4%	0.5%	0.6%
Lap only used	1,863	6	21	79	225	325	1,532	0	0.3%	0.5%	0.4%
Both lap & shoulder used	523,242	346	3,050	14,979	43,166	61,195	461,464	237	83.6%	58.2%	84.0%
No belts used	4,611	183	543	774	826	2,143	2,277	8	0.7%	12.4%	2.9%
Child restraint used - forward facing	6,663	3	11	133	593	737	5,907	16	1.1%	0.2%	1.0%
Child restraint not used	231	0	12	22	35	69	162	0	0.0%	0.2%	0.1%
Child restraint used - rear facing	2,795	0	4	19	216	239	2,553	3	0.4%	0.1%	0.3%
Child restraint used - booster seat	2,433	2	13	54	222	289	2,137	5	0.4%	0.3%	0.4%
Restraint failure	130	0	1	4	18	23	107	0	0.0%	0.0%	0.0%
Restraint use unknown	68,662	107	503	1,010	2,673	4,186	21,947	42,422	11.0%	10.4%	5.7%
Helmet worn	2,199	84	453	745	412	1,610	505	0	0.4%	9.2%	2.2%
Helmet not worn	1,265	60	319	455	204	978	227	0	0.2%	6.5%	1.3%
Helmet use unknown	211	6	42	51	35	128	77	0	0.0%	0.8%	0.2%
Uncoded & errors	6,909	0	0	4	8	12	124	6,773	1.1%	0.0%	0.0%
<b>Total</b>	<b>626,201</b>	<b>808</b>	<b>5,032</b>	<b>18,558</b>	<b>49,224</b>	<b>72,814</b>	<b>503,105</b>	<b>49,474</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

\*Uninjured occupants are often not reported on the UD-10. In 2018, there were 646,955 persons involved in crashes based on the officer coded "number of occupants in vehicle", but only 626,201 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
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%
2018	8,358	252	906	3,618	3.0%	10.8%	13.9%	43.3%

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## 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
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
2018	11,368	203	5	0	26	12	1,188	64	10,161	139	14	0

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## 2018 RESTRAINT USE AND DEGREE OF INJURY FOR CHILDREN AGES 0-8 YEARS OLD

2018	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	351	2	0	17	31	301	0	48	2.0%	2.4%	2.2%
Shoulder only used	98	0	0	0	12	86	0	12	0.6%	0.0%	0.5%
Lap only used	156	0	0	4	12	140	0	16	0.9%	0.0%	0.7%
Both lap & shoulder used	4,141	2	15	114	518	3,480	12	647	23.9%	20.2%	29.5%
No belts used	114	1	7	17	24	65	0	48	0.7%	9.5%	2.2%
Child restraint used - forward facing	6,389	3	10	124	554	5,691	7	688	36.9%	15.5%	31.3%
Child restraint not used	203	0	12	20	32	139	0	64	1.2%	14.3%	2.9%
Child restraint used - rear facing	2,757	0	4	19	213	2,518	3	236	15.9%	4.8%	10.8%
Child restraint used - booster seat	2,222	2	12	50	202	1,952	4	264	12.8%	16.7%	12.0%
Restraint failure	6	0	0	0	1	5	0	1	0.0%	0.0%	0.0%
Restraint use unknown	845	2	8	31	122	671	11	161	4.9%	11.9%	7.3%
Helmet worn	4	0	1	1	1	1	0	3	0.0%	1.2%	0.1%
Helmet not worn	5	0	2	1	1	1	0	4	0.0%	2.4%	0.2%
Helmet use unknown	1	0	1	0	0	0	0	1	0.0%	1.2%	0.0%
Uncoded & errors	14	0	0	0	2	8	4	2	0.1%	0.0%	0.1%
<b>Total</b>	<b>17,306</b>	<b>12</b>	<b>72</b>	<b>398</b>	<b>1,725</b>	<b>15,058</b>	<b>41</b>	<b>2,195</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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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
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%
2018	74,940	434	2,634	9,709	18,096	30,439	0.6%	3.5%	4.1%	40.6%

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	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	45,940	247	1,486	5,694	10,542	17,722	27,959	12	7.3%	29.7%	24.3%
Not deployed	463,302	150	1,354	6,945	28,419	36,718	426,278	156	74.0%	25.8%	50.4%
Not equipped	32,213	178	922	1,633	1,939	4,494	25,163	2,378	5.1%	18.8%	6.2%
Deployed - side	5,206	13	103	470	1,070	1,643	3,548	2	0.8%	2.0%	2.3%
Deployed - curtain	3,736	12	76	333	866	1,275	2,448	1	0.6%	1.5%	1.8%
Deployed - other	406	0	10	38	95	143	262	1	0.1%	0.2%	0.2%
Deployed - combination	19,652	162	959	3,174	5,523	9,656	9,831	3	3.1%	19.2%	13.3%
Unknown	48,775	46	122	264	761	1,147	7,465	40,117	7.8%	2.9%	1.6%
Uncoded & errors	6,971	0	0	7	9	16	151	6,804	1.1%	0.0%	0.0%
<b>Total</b>	<b>626,201</b>	<b>808</b>	<b>5,032</b>	<b>18,558</b>	<b>49,224</b>	<b>72,814</b>	<b>503,105</b>	<b>49,474</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

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