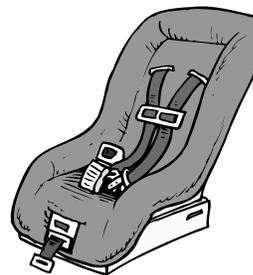


Occupant Protection



Section 2: Occupant Protection

2

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Children and Restraint Use

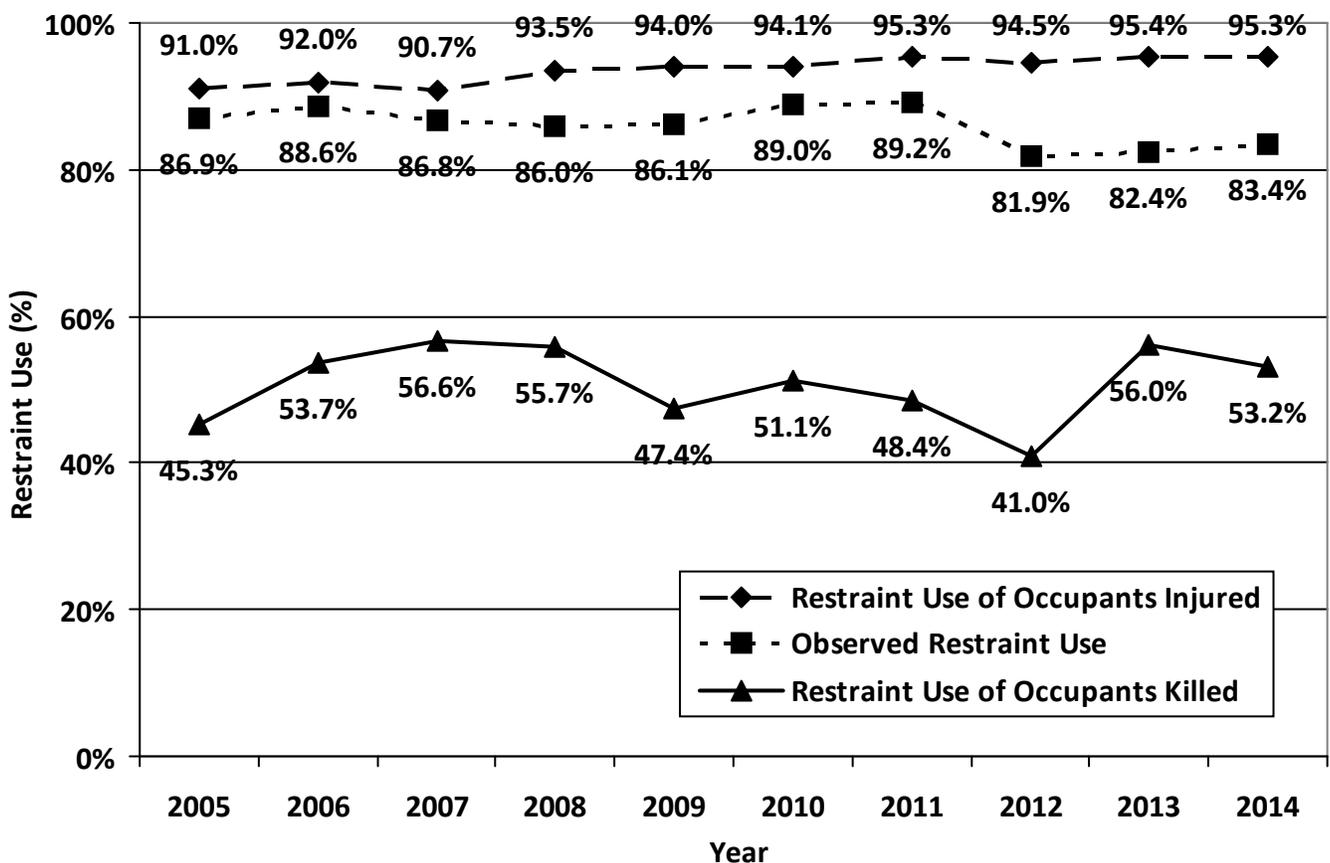
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4

Trends

Restraint Use of Occupants In Crashes (Utah 2005-2014)

Persons												
Year	Non-Injured			Injured			Killed			Total		
	Unres	Restrained	%	Unres	Restrained	%	Unres	Restrained	%	Unrestrained	Restrained	%
	#	#	%	#	#	%	#	#	%	#	#	%
2005	2,151	99,466	97.9%	2,203	22,231	91.0%	127	105	45.3%	4,481	121,802	96.5%
2006	2,913	96,554	97.1%	1,778	20,427	92.0%	88	102	53.7%	4,779	117,083	96.1%
2007	3,529	109,245	96.9%	2,116	20,541	90.7%	82	107	56.6%	5,727	129,893	95.8%
2008	1,369	97,907	98.6%	1,273	18,400	93.5%	78	98	55.7%	2,720	116,405	97.7%
2009	2,273	91,303	97.6%	1,120	17,627	94.0%	91	82	47.4%	3,484	109,012	96.9%
2010	1,896	89,245	97.9%	1,048	16,599	94.1%	86	90	51.1%	3,030	105,934	97.2%
2011	1,801	91,793	98.1%	845	17,249	95.3%	82	77	48.4%	2,728	109,119	97.6%
2012	2,115	89,699	97.7%	990	16,996	94.5%	79	55	41.0%	3,184	106,750	97.1%
2013	1,579	93,675	98.3%	827	17,290	95.4%	59	75	56.0%	2,465	111,040	97.8%
2014	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%
Total	21,432	954,369	97.8%	13,094	185,621	93.4%	844	873	50.8%	35,370	1,140,863	97.0%

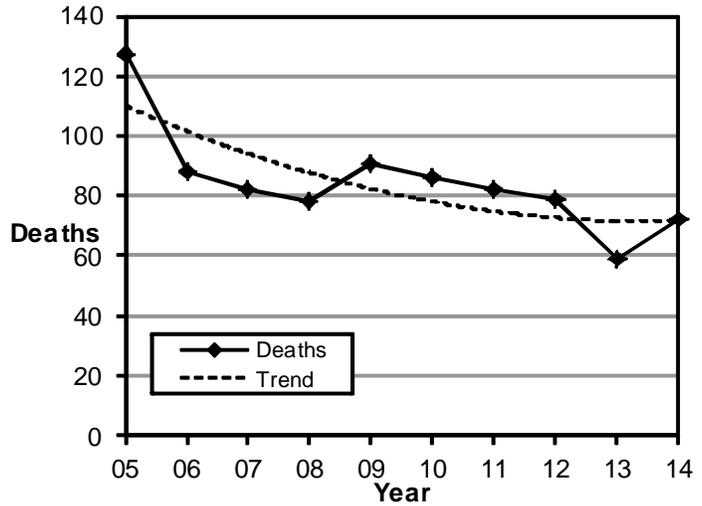


- Restraint use is reported for occupants in a passenger car, light truck, van, SUV, or heavy truck. Occupants are considered “Restrained” if they were reported as using a shoulder/lap belt, lap belt, shoulder belt, or a child safety seat at the scene of the crash.
- The 2014 restraint use of people in crashes increased to 97.6% from 96.5% in 2005.
- Restraint use among occupants injured increased from 91.0% in 2005 to 95.3% in 2014.
- Restraint use among occupants killed increased from 45.3% in 2005 to 53.2% in 2014.

Trends

Unrestrained Occupant Deaths (Utah 2005-2014)

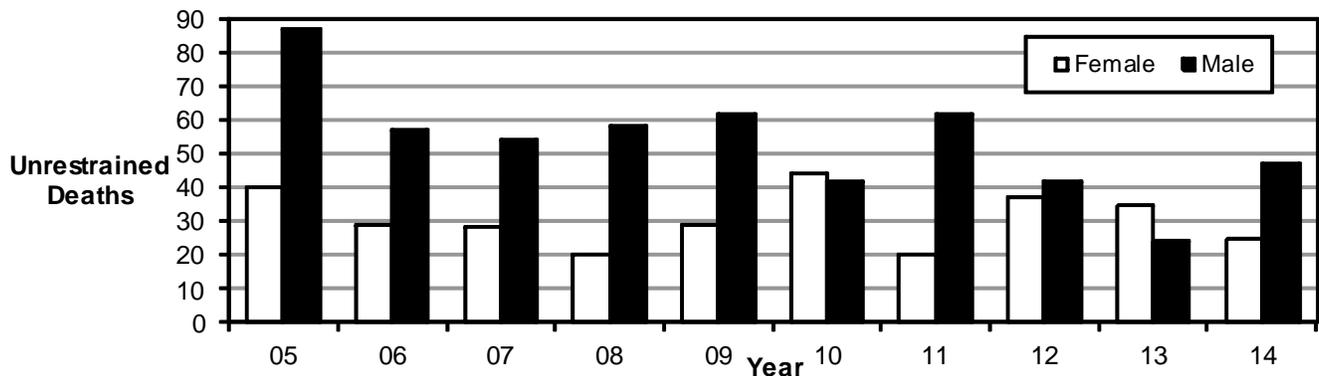
Unrestrained Occupant Deaths			
Year	Deaths		
	All #	Unrestrained Occupants #	%
2005	282	127	45.0%
2006	287	88	30.7%
2007	299	82	27.4%
2008	276	78	28.3%
2009	244	91	37.3%
2010	253	86	34.0%
2011	243	82	33.7%
2012	217	79	36.4%
2013	220	59	26.8%
2014	256	72	28.1%
Total	2,577	844	32.8%



- Over the past 10 years, 32.8% of deaths have been to unrestrained occupants.
- On average, 84 people die a year in Utah who are unrestrained.
- The percentage of deaths to unrestrained occupants decreased from 45.0% in 2005 to 28.1% in 2014.

Restraint Use by Gender of Crash Occupant Deaths (Utah 2005-2014)

Gender	Unrestrained										Total #	Total %	Restrained										Total #	Total %
	05	06	07	08	09	10	11	12	13	14			05	06	07	08	09	10	11	12	13	14		
Female	40	29	28	20	29	44	20	37	35	25	307	45.9%	38	41	42	42	35	40	32	26	29	37	362	54.1%
Male	87	57	54	58	62	42	62	42	24	47	535	51.1%	67	61	65	56	47	50	45	29	46	45	511	48.9%
Total	127	86	82	78	91	86	82	79	59	72	842	49.1%	105	102	107	98	82	90	77	55	75	82	873	50.9%

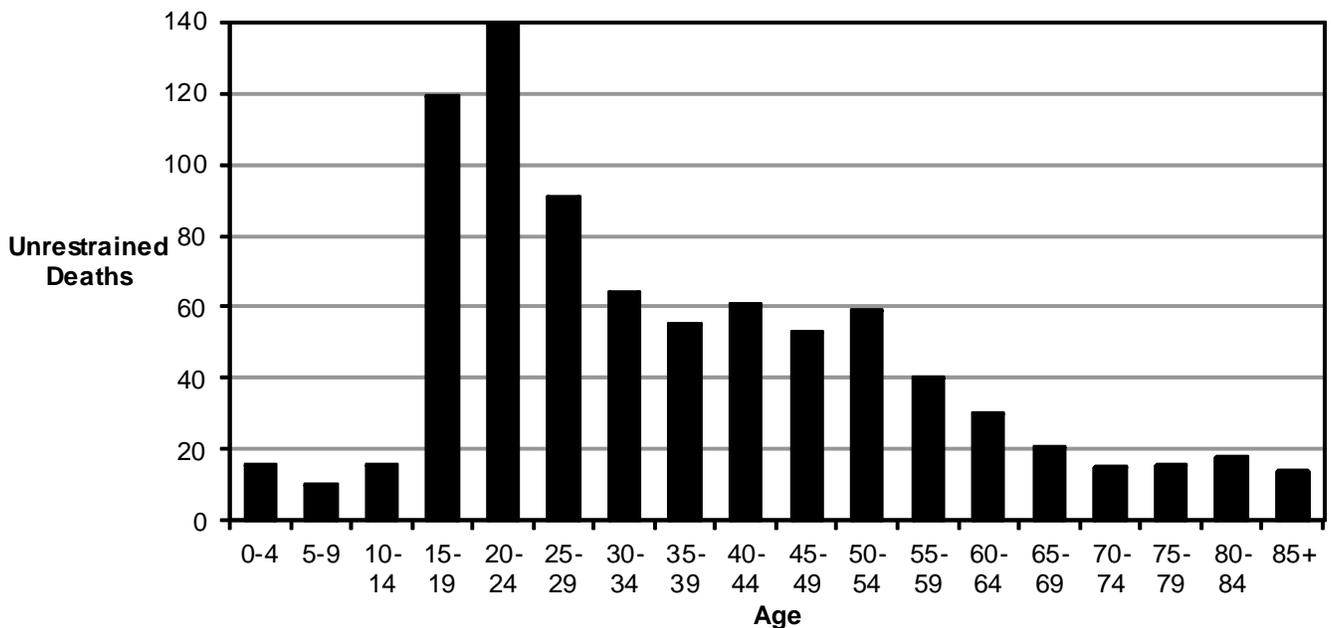


- Over the last 10 years, restraint use of female (54.1%) occupants killed was higher than males (48.9%).
- The number of female occupants killed who were unrestrained averages 31 deaths a year over the last 10 years with a high of 44 in 2010 and a low of 20 in 2008 and 2011.
- The number of male occupants killed who were unrestrained averages 54 deaths a year over the last 10 years with a high of 87 in 2005 and a low of 24 in 2013.

Trends

Fatal Restraint Use by Age (Utah 2005-2014)

Occupants Killed																								
Age	Unrestrained										Restrained													
	05	06	07	08	09	10	11	12	13	14	Total #	Total %	05	06	07	08	09	10	11	12	13	14	Total #	Total %
0-4	3	1	1	2	2	1	4	0	1	1	16	34.0%	2	3	5	1	2	4	7	3	2	2	31	66.0%
5-9	5	0	2	1	2	0	0	0	0	0	10	33.3%	3	2	4	4	2	2	0	2	0	1	20	66.7%
10-14	1	1	1	4	5	1	1	1	1	0	16	48.5%	3	2	3	1	2	3	0	0	0	3	17	51.5%
15-19	14	16	17	8	14	13	11	7	8	11	119	55.1%	12	14	14	13	12	6	4	7	3	12	97	44.9%
20-24	22	19	18	13	15	10	11	10	12	9	139	61.0%	10	15	10	10	12	9	6	6	4	7	89	39.0%
25-29	19	9	6	7	4	12	12	13	4	5	91	58.7%	11	7	9	11	3	5	6	4	4	4	64	41.3%
30-34	3	5	5	11	8	7	8	7	3	7	64	50.8%	4	5	10	7	5	4	7	4	7	9	62	49.2%
35-39	5	8	4	4	3	11	6	7	2	5	55	53.4%	5	6	7	8	4	4	3	1	5	5	48	46.6%
40-44	6	4	7	8	9	4	5	9	5	4	61	57.5%	6	3	5	3	6	4	4	4	5	5	45	42.5%
45-49	13	5	4	4	8	4	5	4	2	4	53	51.0%	7	12	4	8	5	4	2	4	2	3	51	49.0%
50-54	10	7	4	6	5	4	1	8	5	9	59	48.8%	5	9	8	8	5	8	6	3	6	4	62	51.2%
55-59	7	1	4	3	4	4	4	3	4	6	40	46.0%	3	5	5	4	5	5	4	1	9	6	47	54.0%
60-64	5	0	2	1	3	2	6	3	4	4	30	37.5%	7	2	7	3	5	3	7	8	4	4	50	62.5%
65-69	3	4	1	2	3	5	3	0	0	0	21	31.3%	7	5	3	5	3	5	7	1	6	4	46	68.7%
70-74	2	1	0	1	1	1	2	2	3	2	15	30.6%	4	3	3	4	1	7	3	1	7	1	34	69.4%
75-79	2	0	1	1	2	4	1	2	1	2	16	32.0%	5	2	1	2	4	9	2	3	1	5	34	68.0%
80-84	3	2	1	1	2	1	1	1	3	3	18	31.6%	6	4	4	5	5	3	2	1	6	3	39	68.4%
85+	0	3	3	1	1	2	1	2	1	0	14	29.2%	2	3	5	1	1	5	7	2	4	4	34	70.8%
Unknown	4	2	1	0	0	0	0	0	0	0	7	70.0%	3	0	0	0	0	0	0	0	0	0	3	30.0%
Total	127	88	82	78	91	86	82	79	59	72	844	49.2%	105	102	107	98	82	90	77	55	75	82	873	50.8%

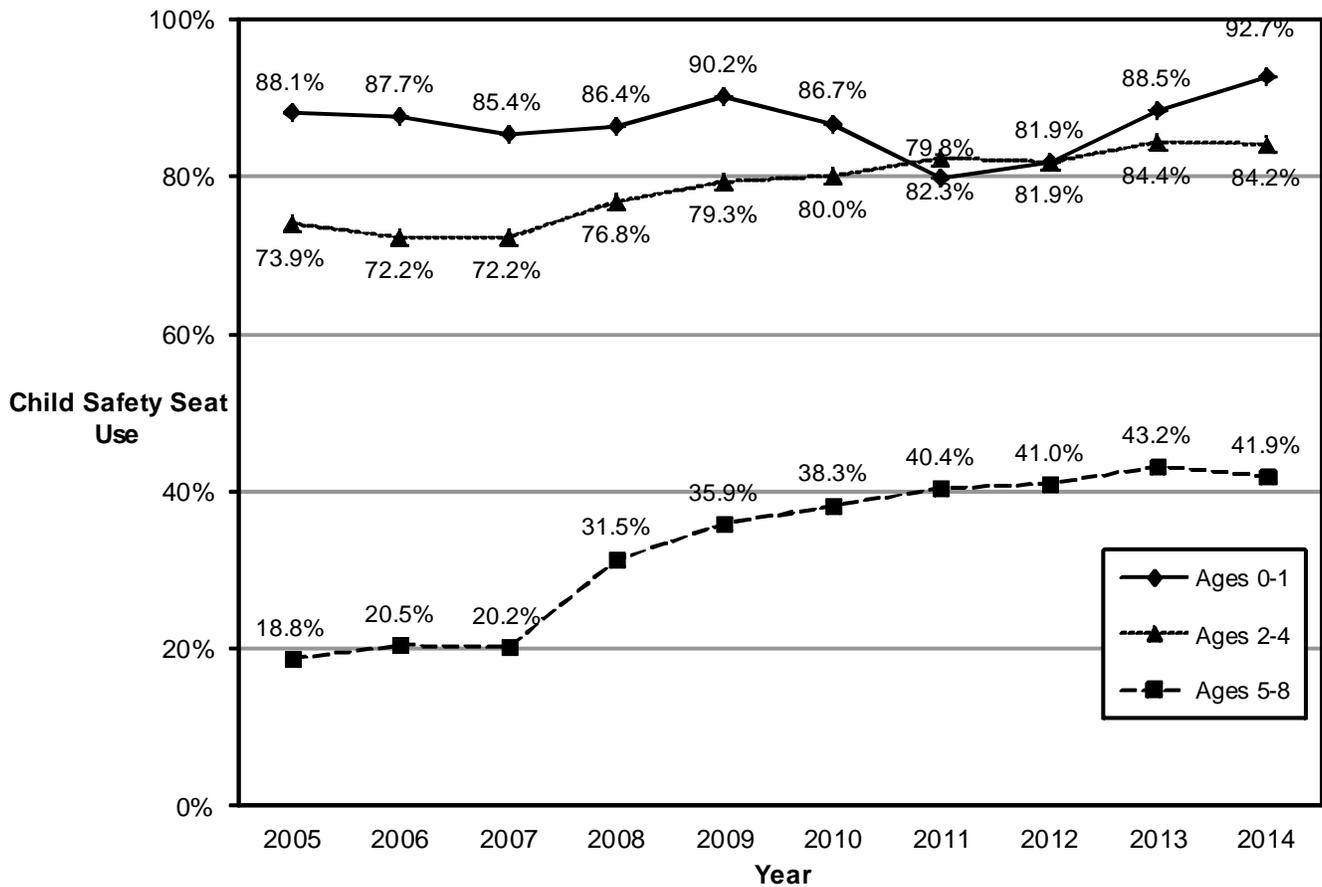


- Over the last 10 years, the highest number of unrestrained deaths occurred to the 20-24, 15-19, and 25-29 year age groups.
- The highest percent of restraint use among occupants killed occurred among the ages of 65+ and 0-9 years.
- The lowest percent of restraint use among occupants killed occurred among the ages of 15-29 and 40-44 years.

Trends

Child Safety Seat Use by Children Age 0 to 8 Years (Utah 2005-2014)

Year	Child Occupants											
	Ages 0-1			Ages 2-4			Ages 5-8			Total		
	No CSS #	Child Safety Seat #	%	No CSS #	Child Safety Seat #	%	No CSS #	Child Safety Seat #	%	No CSS #	Child Safety Seat #	%
2005	227	1,681	88.1%	960	2,721	73.9%	2,969	688	18.8%	4,156	5,090	55.1%
2006	267	1,897	87.7%	881	2,288	72.2%	2,654	683	20.5%	3,802	4,868	56.1%
2007	367	2,151	85.4%	961	2,495	72.2%	2,864	727	20.2%	4,192	5,373	56.2%
2008	286	1,822	86.4%	694	2,301	76.8%	2,125	978	31.5%	3,105	5,101	62.2%
2009	194	1,791	90.2%	606	2,326	79.3%	2,006	1,122	35.9%	2,806	5,239	65.1%
2010	261	1,703	86.7%	598	2,389	80.0%	1,833	1,139	38.3%	2,692	5,231	66.0%
2011	425	1,682	79.8%	520	2,414	82.3%	1,753	1,188	40.4%	2,698	5,284	66.2%
2012	363	1,644	81.9%	486	2,206	81.9%	1,824	1,265	41.0%	2,673	5,115	65.7%
2013	218	1,679	88.5%	412	2,229	84.4%	1,750	1,332	43.2%	2,380	5,240	68.8%
2014	149	1,885	92.7%	434	2,313	84.2%	1,917	1,384	41.9%	2,500	5,582	69.1%
Total	2,757	17,935	86.7%	6,552	23,682	78.3%	21,695	10,506	32.6%	31,004	52,123	62.7%

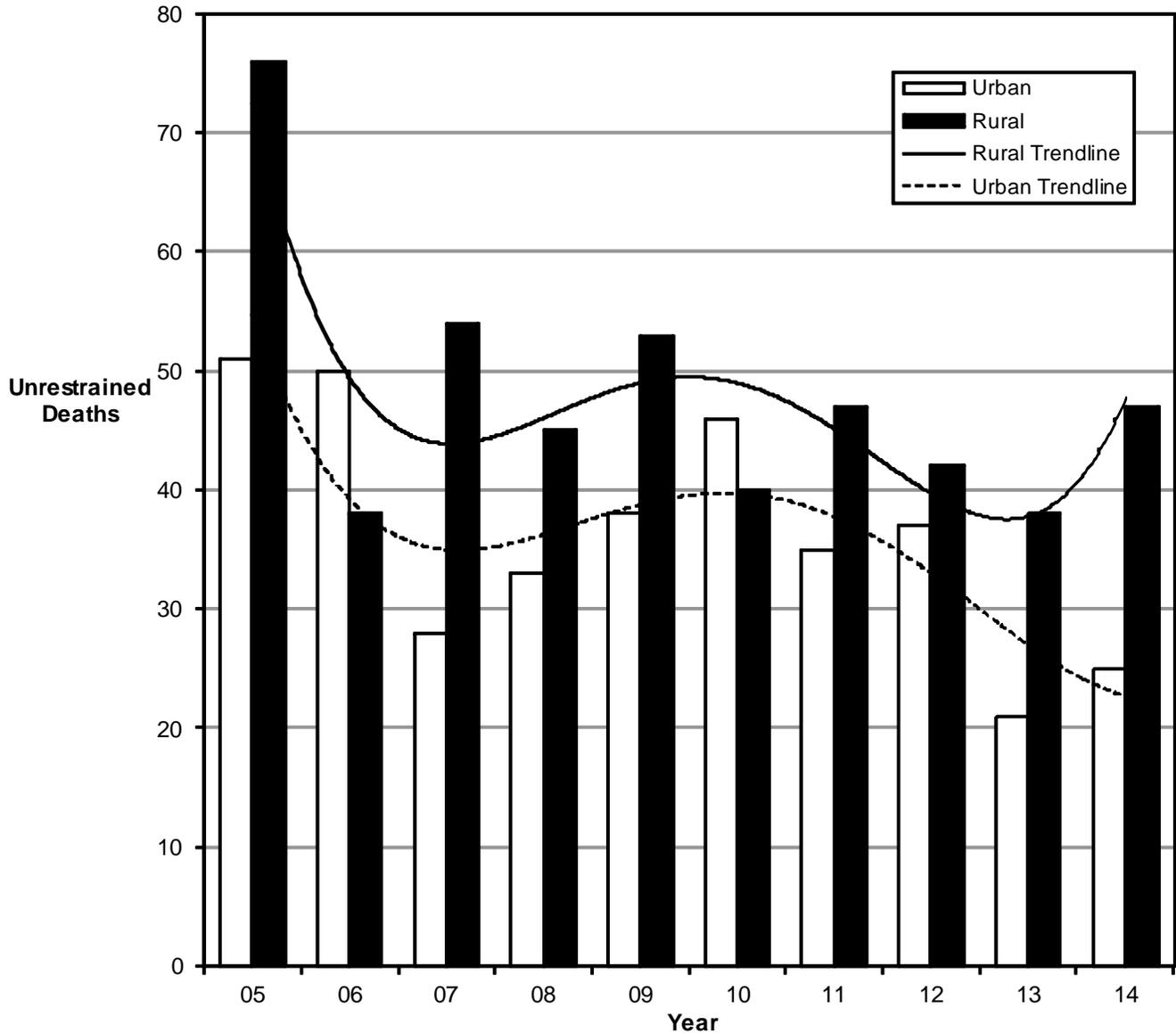


- The ten year trend shows an increase of child safety seat (CSS) use in crashes for ages 0-8 years.
- Ages 5-8 years showed the biggest gain in CSS use, increasing from 18.8% in 2005 to 41.9% in 2014.

Trends

Fatal Restraint Use by Rural/Urban Location (Utah 2005-2014)

Occupants Killed																								
Location	Unrestrained											Restrained												
	05	06	07	08	09	10	11	12	13	14	Total #	Total %	05	06	07	08	09	10	11	12	13	14	Total #	Total %
Rural	76	38	54	45	53	40	47	42	38	47	480	53.6%	60	51	52	48	46	39	40	21	31	28	416	46.4%
Urban	51	50	28	33	38	46	35	37	21	25	364	44.3%	45	51	55	50	36	51	37	34	44	54	457	55.7%
Total	127	88	82	78	91	86	82	79	59	72	844	49.2%	105	102	107	98	82	90	77	55	75	82	873	50.8%

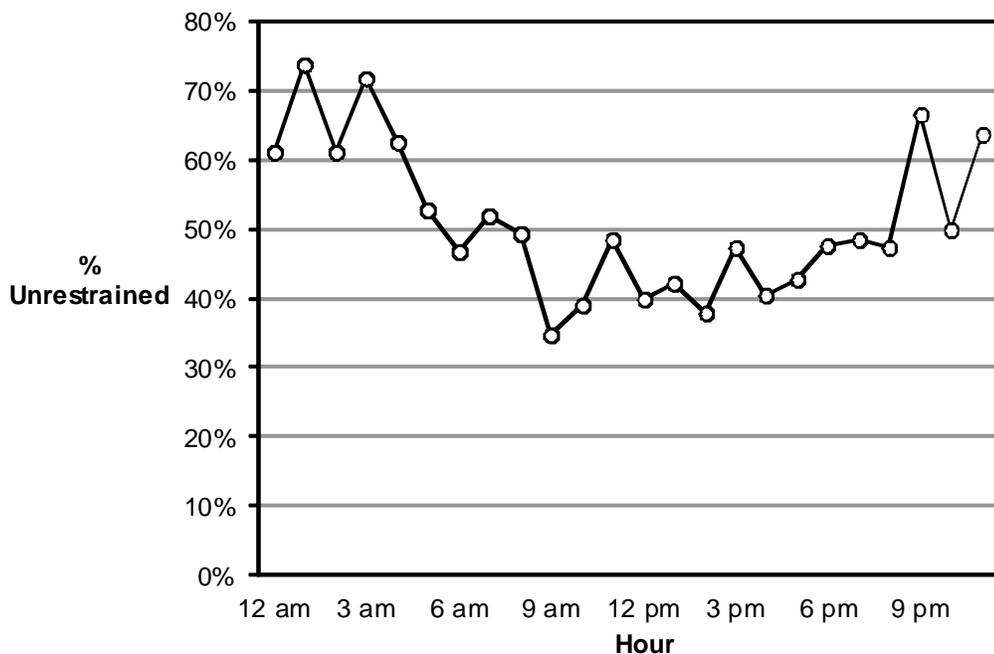


- Over the last 10 years, restraint use of urban (55.7%) occupants killed was higher than rural (46.4%).
- The number of rural occupants killed who were unrestrained averages 48 deaths a year over the last 10 years with a high of 76 in 2005 and a low of 38 in 2006 and 2013.
- The number of urban occupants killed who were unrestrained averages 36 deaths a year over the last 10 years with a high of 51 in 2005 and a low of 21 in 2013.

Trends

Fatal Restraint Use by Hour (Utah 2005-2014)

Occupants Killed																										
Hour	Unrestrained											Total #	Total %	Restrained											Total #	Total %
	05	06	07	08	09	10	11	12	13	14	05			06	07	08	09	10	11	12	13	14				
Midnight	0	3	3	2	10	2	4	2	2	2	30	61.2%	3	0	3	3	6	1	0	0	2	1	19	38.8%		
1 a.m.	5	9	3	4	5	1	3	3	2	4	39	73.6%	2	1	4	5	0	1	0	0	0	1	14	26.4%		
2 a.m.	6	1	4	6	3	2	2	4	0	2	30	61.2%	0	4	4	1	1	5	1	0	3	0	19	38.8%		
3 a.m.	2	4	5	1	3	4	5	2	0	2	28	71.8%	1	2	4	0	0	0	2	1	0	1	11	28.2%		
4 a.m.	3	4	1	1	8	2	1	1	4	5	30	62.5%	1	3	2	2	3	1	2	0	0	4	18	37.5%		
5 a.m.	6	1	4	4	1	3	2	4	4	1	30	52.6%	6	1	2	2	3	2	5	1	3	2	27	47.4%		
6 a.m.	3	3	2	6	2	2	2	3	3	2	28	46.7%	3	6	3	3	2	4	2	3	1	5	32	53.3%		
7 a.m.	7	2	3	7	3	8	3	3	3	0	39	52.0%	4	3	6	7	7	4	2	0	0	3	36	48.0%		
8 a.m.	8	7	4	1	4	4	3	3	2	5	41	49.4%	5	8	7	1	2	5	1	1	4	8	42	50.6%		
9 a.m.	3	4	1	3	0	2	6	1	2	1	23	34.8%	2	8	6	7	4	7	1	2	3	3	43	65.2%		
10 a.m.	1	3	2	0	4	2	5	3	5	2	27	39.1%	5	1	2	6	8	4	7	3	3	3	42	60.9%		
11 a.m.	6	7	2	4	3	6	1	2	2	2	35	48.6%	6	0	3	9	5	2	3	2	3	4	37	51.4%		
Noon	6	1	2	5	1	3	3	4	3	3	31	39.7%	10	5	6	4	3	7	4	3	2	3	47	60.3%		
1 p.m.	10	2	7	2	4	9	7	1	2	1	45	42.1%	7	5	6	4	4	4	8	4	11	9	62	57.9%		
2 p.m.	2	6	4	2	1	5	4	1	2	4	31	37.8%	6	3	3	4	3	5	7	10	5	5	51	62.2%		
3 p.m.	19	3	1	3	9	6	3	7	6	2	59	47.2%	12	7	11	5	8	5	3	2	6	7	66	52.8%		
4 p.m.	7	3	2	6	4	6	3	4	2	5	42	40.4%	2	12	7	5	4	5	8	7	7	5	62	59.6%		
5 p.m.	6	2	6	4	7	1	4	11	4	2	47	42.7%	6	11	11	4	7	8	3	3	6	4	63	57.3%		
6 p.m.	5	4	4	1	2	6	5	4	2	8	41	47.7%	4	6	3	8	3	6	7	2	3	3	45	52.3%		
7 p.m.	6	2	7	2	3	4	3	3	1	2	33	48.5%	5	6	3	4	3	3	2	1	5	3	35	51.5%		
8 p.m.	4	1	3	6	6	1	4	3	2	4	34	47.2%	6	4	4	4	1	5	4	5	4	1	38	52.8%		
9 p.m.	4	6	4	6	6	3	5	1	1	2	38	66.7%	2	0	1	4	2	1	2	1	2	4	19	33.3%		
10 p.m.	3	5	1	0	1	3	2	4	1	4	24	50.0%	4	4	4	2	3	0	1	3	1	2	24	50.0%		
11 p.m.	4	5	6	1	1	1	2	5	4	6	35	63.6%	3	2	2	4	0	4	2	1	1	1	20	36.4%		
Total	126	88	81	77	91	86	82	79	59	71	840	49.1%	105	102	107	98	82	89	77	55	75	82	872	50.9%		

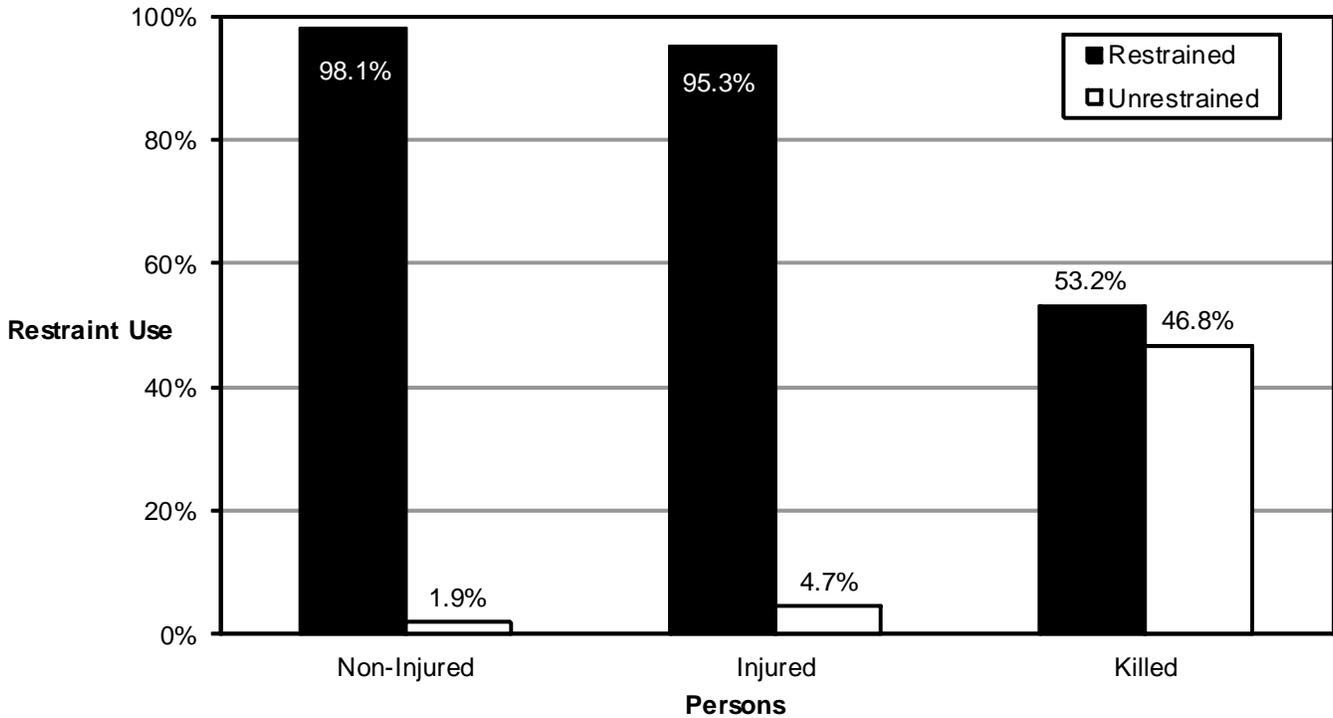


- Over the last 10 years, the highest number of unrestrained deaths occurred during the 3 p.m., 5 p.m., and 1 p.m. hours.
- The highest percent of restraint use among occupants killed occurred during the 9 a.m., 2 p.m., 10 a.m., and noon hours.
- The lowest percent of restraint use among occupants killed occurred during the 1 a.m., 3 a.m., 9 p.m., and 11 p.m. hours.

Vehicle Occupants

Restraint Use by Injury Severity (Utah 2014)

Persons								
Restraint Use	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Restrained	95,482	98.1%	18,261	95.3%	82	53.2%	113,825	97.6%
Unrestrained	1,806	1.9%	894	4.7%	72	46.8%	2,772	2.4%
Total	97,288	100.0%	19,155	100.0%	154	100.0%	116,597	100.0%



- Nearly 98% of persons who survived a crash reported being restrained compared to half of the persons killed.
- Unrestrained crash occupants were 37 times more likely to be killed than restrained crash occupants.

Restraint Use by Gender of Crash Occupants (Utah 2014)

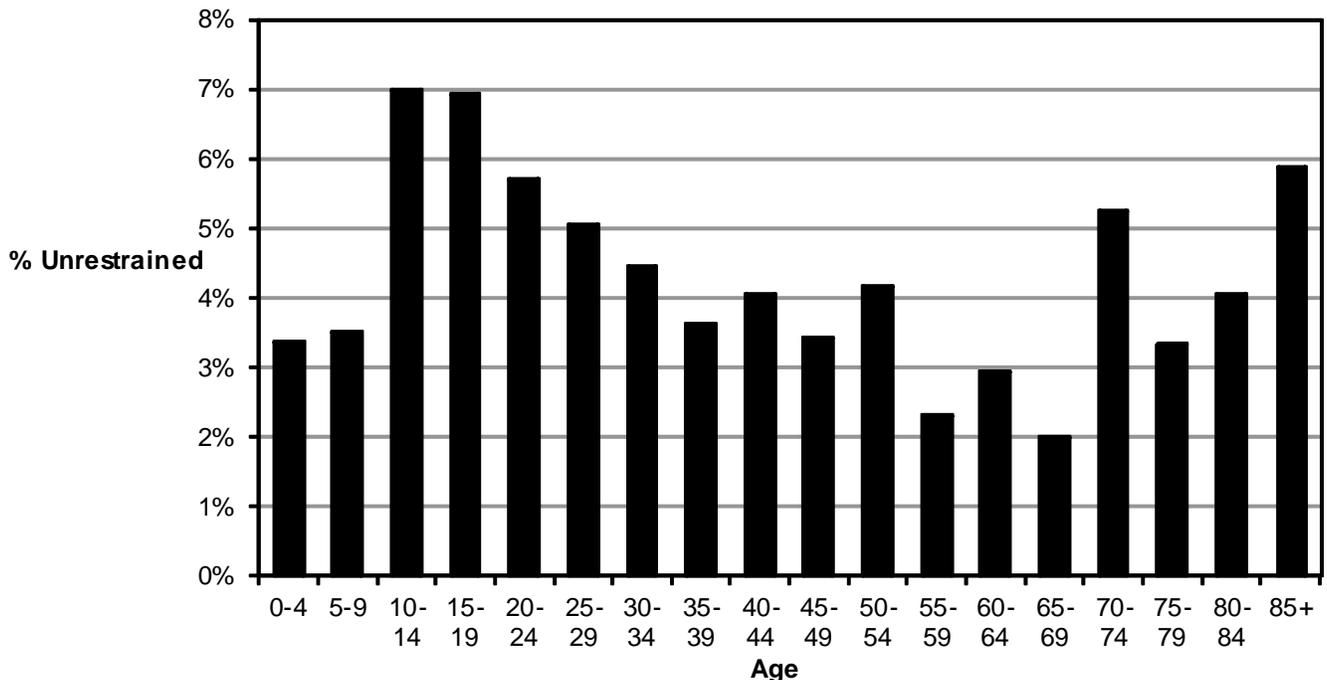
Persons												
Gender	Non-Injured			Injured			Killed			Total		
	Unres	Restrained	%	Unres	Restrained	%	Unres	Restrained	%	Unrestrained	Restrained	%
	#	#	%	#	#	%	#	#	%	#	#	%
Female	600	43,131	98.6%	428	10,541	96.1%	25	37	59.7%	1,053	53,709	98.1%
Male	924	52,082	98.3%	463	7,701	94.3%	47	45	48.9%	1,434	59,828	97.7%
Unknown	282	269	48.8%	3	19	86.4%	0	0	n/a	285	288	50.3%
Total	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%

- Overall, restraint use of female (98.1%) crash occupants was slightly higher than males (97.7%).
- For persons killed, female crash occupants had higher restraint use (59.7%) than males (48.9%).

Vehicle Occupants

Restraint Use by Age of Crash Occupants (Utah 2014)

Persons												
Age	Non-Injured			Injured			Killed			Total		
	Unres	Restrained	%	Unres	Restrained	%	Unres	Restrained	%	Unrestrained	Restrained	%
	#	#		#	#		#	#		#	#	
0-4	29	4,333	99.3%	14	402	96.6%	1	2	66.7%	44	4,737	99.1%
5-9	38	3,455	98.9%	20	551	96.5%	0	1	100.0%	58	4,007	98.6%
10-14	52	3,307	98.5%	45	599	93.0%	0	3	100.0%	97	3,909	97.6%
15-19	211	13,914	98.5%	182	2,449	93.1%	11	12	52.2%	404	16,375	97.6%
20-24	212	12,686	98.4%	144	2,381	94.3%	9	7	43.8%	365	15,074	97.6%
25-29	175	9,782	98.2%	103	1,933	94.9%	5	4	44.4%	283	11,719	97.6%
30-34	153	8,490	98.2%	79	1,692	95.5%	7	9	56.3%	239	10,191	97.7%
35-39	139	7,508	98.2%	57	1,518	96.4%	5	5	50.0%	201	9,031	97.8%
40-44	119	6,180	98.1%	53	1,254	95.9%	4	5	55.6%	176	7,439	97.7%
45-49	82	4,964	98.4%	38	1,074	96.6%	4	3	42.9%	124	6,041	98.0%
50-54	95	4,766	98.0%	45	1,040	95.9%	9	4	30.8%	149	5,810	97.5%
55-59	65	4,220	98.5%	22	935	97.7%	6	6	50.0%	93	5,161	98.2%
60-64	49	3,419	98.6%	21	696	97.1%	4	4	50.0%	74	4,119	98.2%
65-69	38	2,683	98.6%	12	589	98.0%	0	4	100.0%	50	3,276	98.5%
70-74	15	1,765	99.2%	21	379	94.8%	2	1	33.3%	38	2,145	98.3%
75-79	10	1,172	99.2%	9	262	96.7%	2	5	71.4%	21	1,439	98.6%
80-84	8	802	99.0%	8	190	96.0%	3	3	50.0%	19	995	98.1%
85+	10	559	98.2%	8	128	94.1%	0	4	100.0%	18	691	97.5%
Unknown	306	1,477	82.8%	13	189	93.6%	0	0	n/a	319	1,666	83.9%
Total	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%



- Overall, crash occupants aged 10-54 years and 85+ years had the lowest percentages of being restrained.
- Crash occupants aged 15-24 and 50-54 years had the highest amount of unrestrained occupant deaths.

Vehicle Occupants

Restraint Use by County (Utah 2014)

Persons												
County	Non-Injured			Injured			Killed			Total		
	Unres #	Restrained #	%	Unres #	Restrained #	%	Unres #	Restrained #	%	Unrestrained #	Restrained #	%
Davis	122	8,939	98.7%	50	1,759	97.2%	2	5	71.4%	174	10,703	98.4%
Utah	189	13,363	98.6%	114	2,732	96.0%	6	9	60.0%	309	16,104	98.1%
Daggett	1	42	97.7%	0	9	100.0%	0	0	n/a	1	51	98.1%
Salt Lake	804	45,561	98.3%	251	8,492	97.1%	10	24	70.6%	1,065	54,077	98.1%
Cache	53	3,268	98.4%	36	508	93.4%	3	5	62.5%	92	3,781	97.6%
Weber	157	7,215	97.9%	70	1,715	96.1%	0	6	100.0%	227	8,936	97.5%
Summit	43	1,909	97.8%	14	223	94.1%	1	1	50.0%	58	2,133	97.4%
Washington	70	4,285	98.4%	71	736	91.2%	4	5	55.6%	145	5,026	97.2%
Box Elder	34	1,692	98.0%	20	360	94.7%	8	5	38.5%	62	2,057	97.1%
Wasatch	21	868	97.6%	9	114	92.7%	2	0	0.0%	32	982	96.8%
Uintah	21	943	97.8%	20	130	86.7%	2	2	50.0%	43	1,075	96.2%
Emery	9	289	97.0%	6	84	93.3%	0	1	100.0%	15	374	96.1%
Morgan	3	235	98.7%	5	21	80.8%	3	0	0.0%	11	256	95.9%
Iron	56	1,421	96.2%	23	268	92.1%	2	1	33.3%	81	1,690	95.4%
Tooele	46	1,222	96.4%	27	261	90.6%	4	6	60.0%	77	1,489	95.1%
Kane	7	222	96.9%	6	38	86.4%	1	1	50.0%	14	261	94.9%
Millard	10	478	98.0%	20	117	85.4%	3	1	25.0%	33	596	94.8%
Carbon	16	559	97.2%	19	105	84.7%	3	0	0.0%	38	664	94.6%
Juab	5	368	98.7%	20	71	78.0%	1	1	50.0%	26	440	94.4%
Sanpete	12	376	96.9%	13	56	81.2%	1	1	50.0%	26	433	94.3%
Wayne	1	78	98.7%	3	14	82.4%	2	0	0.0%	6	92	93.9%
Beaver	22	412	94.9%	9	70	88.6%	1	1	50.0%	32	483	93.8%
Garfield	9	153	94.4%	4	31	88.6%	0	0	n/a	13	184	93.4%
San Juan	21	270	92.8%	8	47	85.5%	0	4	100.0%	29	321	91.7%
Grand	12	269	95.7%	13	77	85.6%	7	0	0.0%	32	346	91.5%
Duchesne	35	563	94.1%	26	102	79.7%	4	2	33.3%	65	667	91.1%
Sevier	18	384	95.5%	30	91	75.2%	0	1	100.0%	48	476	90.8%
Piute	2	41	95.3%	5	10	66.7%	0	0	n/a	7	51	87.9%
Rich	7	57	89.1%	2	20	90.9%	2	0	0.0%	11	77	87.5%
Statewide	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%

- Davis (98.4%), Utah (98.1%), Daggett (98.1%), and Salt Lake (98.1%) counties had the highest percentage of occupants that were restrained. Rich (87.5%) and Piute (87.9%) counties had the lowest percentage.

Restraint Use by Urban/Rural Location (Utah 2014)

Persons												
Location	Non-Injured			Injured			Killed			Total		
	Unres #	Restrained #	%	Unres #	Restrained #	%	Unres #	Restrained #	%	Unrestrained #	Restrained #	%
Urban	1,395	82,631	98.3%	592	15,942	96.4%	25	54	68.4%	2,012	98,627	98.0%
Rural	411	12,851	96.9%	302	2,319	88.5%	47	28	37.3%	760	15,198	95.2%
Statewide	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%

- Urban areas had a higher percentage of occupants that were restrained for all injury severity levels.
- Occupants in rural crashes were 2.5 times more likely to be unrestrained than occupants in urban crashes.

Vehicle Occupants

Restraint Use by Ejection (Utah 2014)

Persons												
Ejection Status	Non-Injured			Injured			Killed			Total		
	Unres	Restrained		Unres	Restrained		Unres	Restrained		Unrestrained	Restrained	
	#	#	%	#	#	%	#	#	%	#	#	%
Not Ejected	1,669	94,888	98.3%	752	18,103	96.0%	28	72	72.0%	2,449	113,063	97.9%
Partially Ejected	0	0	n/a	11	16	59.3%	8	8	50.0%	19	24	55.8%
Fully Ejected	0	0	n/a	121	28	18.8%	36	2	5.3%	157	30	16.0%
Total	1,669	94,888	98.3%	884	18,147	95.4%	72	82	53.2%	2,625	113,117	97.7%

- There is an inverse relationship between ejection from a motor vehicle and restraint use.
- The majority (97.9%) of crash occupants not ejected from a motor vehicle were restrained compared to only 16.0% of crash occupants fully ejected from a motor vehicle.
- Unrestrained occupants were 240 times more likely to be fully ejected from a motor vehicle compared to restrained occupants.
- Ejection from the vehicle is one of the most harmful events that can happen to a person in a crash. Seat belts are effective in preventing total ejections.

Restraint Use by Occupant Placement (Utah 2014)

Persons												
Occupant Placement	Non-Injured			Injured			Killed			Total		
	Unres	Restrained		Unres	Restrained		Unres	Restrained		Unrestrained	Restrained	
	#	#	%	#	#	%	#	#	%	#	#	%
Driver	1,349	67,364	98.0%	509	12,824	96.2%	51	55	51.9%	1,909	80,243	97.7%
Front Seat	170	14,185	98.8%	195	3,441	94.6%	11	18	62.1%	376	17,644	97.9%
Back Seat(s)	140	13,486	99.0%	152	1,944	92.7%	6	9	60.0%	298	15,439	98.1%
Other/Unknown	147	22	13.0%	38	3	7.3%	4	0	0.0%	189	25	11.7%
Total	1,806	95,057	98.1%	894	18,212	95.3%	72	82	53.2%	2,772	113,351	97.6%

- Among all occupants injured, drivers had the highest restraint use (96.2%).
- Among all occupants killed, front seat passengers had the highest restraint use (62.1%)

Restraint Use by Vehicle Type (Utah 2014)

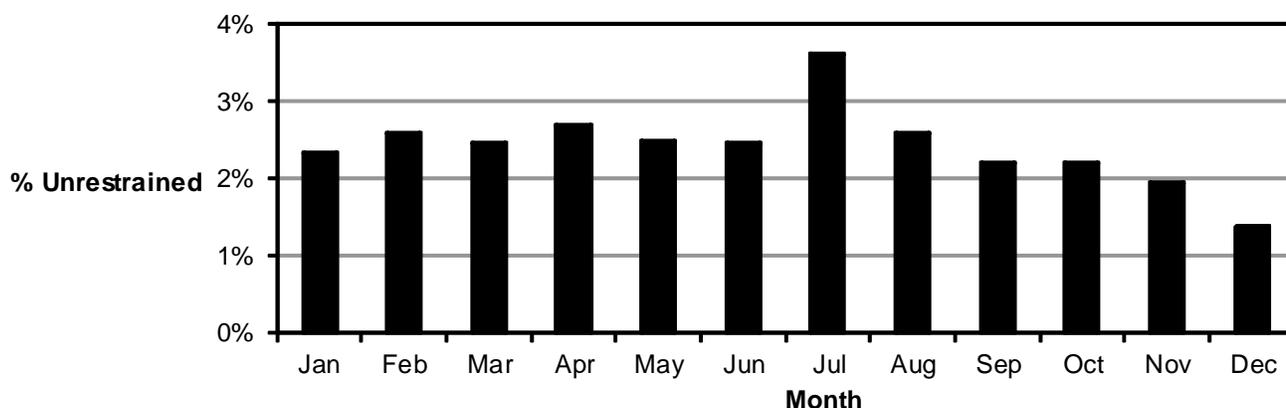
Persons												
Vehicle Type	Non-Injured			Injured			Killed			Total		
	Unres	Restrained		Unres	Restrained		Unres	Restrained		Unrestrained	Restrained	
	#	#	%	#	#	%	#	#	%	#	#	%
Van	97	7,022	98.6%	58	1,256	95.6%	5	6	54.5%	160	8,284	98.1%
SUV	328	22,655	98.6%	176	4,018	95.8%	12	16	57.1%	516	26,689	98.1%
Passenger Car	837	48,579	98.3%	432	10,897	96.2%	34	52	60.5%	1,303	59,528	97.9%
Pickup Truck	354	14,270	97.6%	186	1,889	91.0%	20	6	23.1%	560	16,165	96.7%
Heavy Truck	176	2,844	94.2%	39	196	83.4%	1	2	66.7%	216	3,042	93.4%
RV/Motorhome	14	112	88.9%	3	5	62.5%	0	0	n/a	17	117	87.3%
Total	1,806	95,482	98.1%	894	18,261	95.3%	72	82	53.2%	2,772	113,825	97.6%

- Occupants in RV/motorhome, heavy truck, and pickup truck were the least likely to be restrained.

Vehicle Occupants

Restraint Use by Month (Utah 2014)

Persons										
Month	Unrestrained					Restrained				
	Not Injured	Injured	Killed	Total	%	Not Injured	Injured	Killed	Total	%
January	156	54	4	214	2.3%	7,662	1,318	8	8,988	97.7%
February	144	61	1	206	2.6%	6,543	1,194	5	7,742	97.4%
March	135	72	3	210	2.5%	6,855	1,464	2	8,321	97.5%
April	153	82	3	238	2.7%	7,182	1,429	5	8,616	97.3%
May	136	95	6	237	2.5%	7,644	1,613	10	9,267	97.5%
June	142	62	8	212	2.5%	6,905	1,488	14	8,407	97.5%
July	231	108	12	351	3.6%	7,880	1,448	9	9,337	96.4%
August	178	74	5	257	2.6%	8,027	1,586	8	9,621	97.4%
September	139	80	10	229	2.2%	8,599	1,601	3	10,203	97.8%
October	145	83	10	238	2.2%	8,841	1,661	4	10,506	97.8%
November	128	67	7	202	1.9%	8,638	1,578	4	10,220	98.1%
December	119	56	3	178	1.4%	10,706	1,881	10	12,597	98.6%
Total	1,806	894	72	2,772	2.4%	95,482	18,261	82	113,825	97.6%



- July was the worst month for restraint use. July had the highest amount of unrestrained deaths and injuries. July also had the lowest overall restraint use.

Restraint Use by Day of Week (Utah 2014)

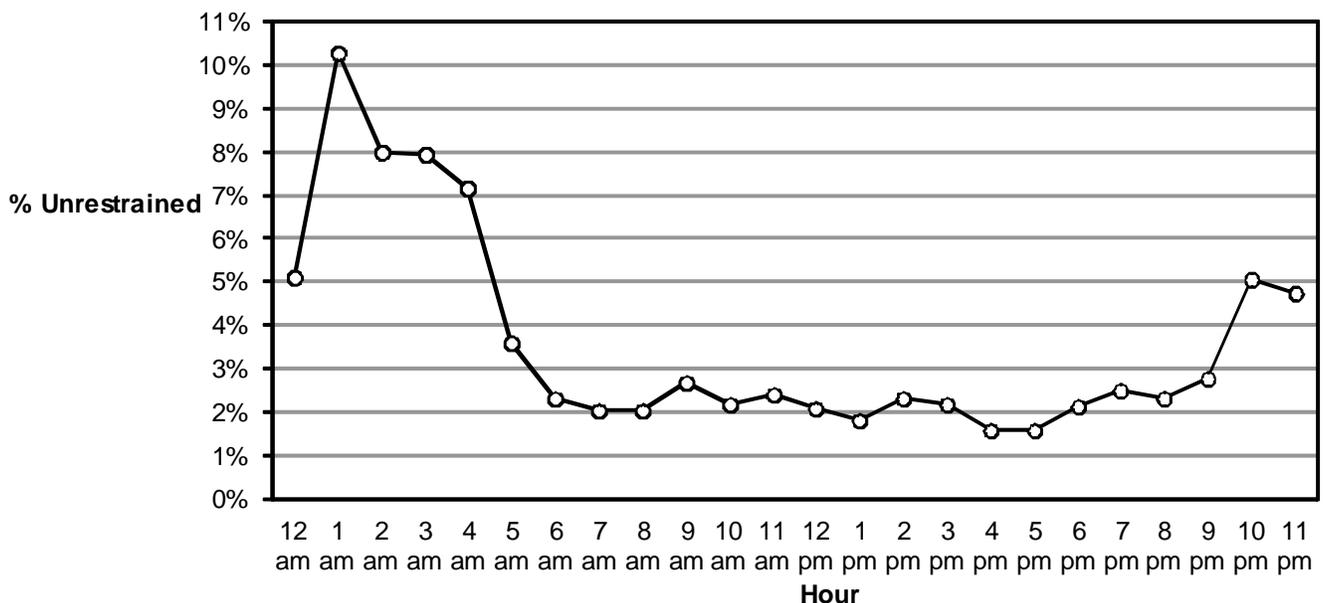
Persons										
Day of Week	Unrestrained					Restrained				
	Not Injured	Injured	Killed	Total	%	Not Injured	Injured	Killed	Total	%
Sunday	196	102	6	304	3.6%	6,646	1,458	16	8,120	96.4%
Monday	263	124	9	396	2.3%	14,037	2,667	11	16,715	97.7%
Tuesday	241	115	7	363	2.0%	14,638	2,776	11	17,425	98.0%
Wednesday	280	112	13	405	2.2%	15,045	2,824	12	17,881	97.8%
Thursday	265	139	9	413	2.3%	15,144	2,787	8	17,939	97.7%
Friday	310	150	15	475	2.3%	16,939	3,232	6	20,177	97.7%
Saturday	251	152	13	416	2.6%	13,033	2,517	18	15,568	97.4%
Total	1,806	894	72	2,772	2.4%	95,482	18,261	82	113,825	97.6%

- Weekends had the lowest restraint use.

Vehicle Occupants

Restraint Use by Hour (Utah 2014)

Hour	Persons									
	Unrestrained					Restrained				
	Not Injured	Injured	Killed	Total	%	Not Injured	Injured	Killed	Total	%
Midnight	38	20	2	60	5.1%	891	222	1	1,114	94.9%
1 a.m.	50	21	4	75	10.3%	515	138	1	654	89.7%
2 a.m.	30	13	2	45	8.0%	391	127	0	518	92.0%
3 a.m.	20	12	2	34	7.9%	293	100	1	394	92.1%
4 a.m.	21	7	5	33	7.2%	338	85	4	427	92.8%
5 a.m.	21	14	1	36	3.6%	787	175	2	964	96.4%
6 a.m.	21	28	2	51	2.3%	1,766	362	5	2,133	97.7%
7 a.m.	63	34	0	97	2.0%	3,892	768	3	4,663	98.0%
8 a.m.	71	43	5	119	2.0%	4,891	842	8	5,741	98.0%
9 a.m.	77	41	1	119	2.7%	3,571	713	3	4,287	97.3%
10 a.m.	55	40	2	97	2.2%	3,650	671	3	4,324	97.8%
11 a.m.	89	40	2	131	2.4%	4,455	815	4	5,274	97.6%
Noon	96	52	3	151	2.1%	6,002	1,062	3	7,067	97.9%
1 p.m.	88	40	1	129	1.8%	6,002	1,032	9	7,043	98.2%
2 p.m.	120	61	4	185	2.3%	6,629	1,200	5	7,834	97.7%
3 p.m.	151	57	2	210	2.2%	7,874	1,535	7	9,416	97.8%
4 p.m.	117	47	5	169	1.6%	8,762	1,584	5	10,351	98.4%
5 p.m.	150	60	2	212	1.6%	10,929	1,991	4	12,924	98.4%
6 p.m.	134	75	8	217	2.1%	8,290	1,603	3	9,896	97.9%
7 p.m.	97	61	2	160	2.5%	5,129	1,044	3	6,176	97.5%
8 p.m.	73	28	4	105	2.3%	3,669	757	1	4,427	97.7%
9 p.m.	82	23	2	107	2.8%	3,120	646	4	3,770	97.2%
10 p.m.	87	51	4	142	5.0%	2,213	460	2	2,675	95.0%
11 p.m.	55	26	6	87	4.7%	1,423	329	1	1,753	95.3%
Total	1,806	894	71	2,771	2.4%	95,482	18,261	82	113,825	97.6%



- Vehicle occupants were least likely to be restrained at night (10:00 p.m. to 5:59 a.m.).

Children and Restraint Use

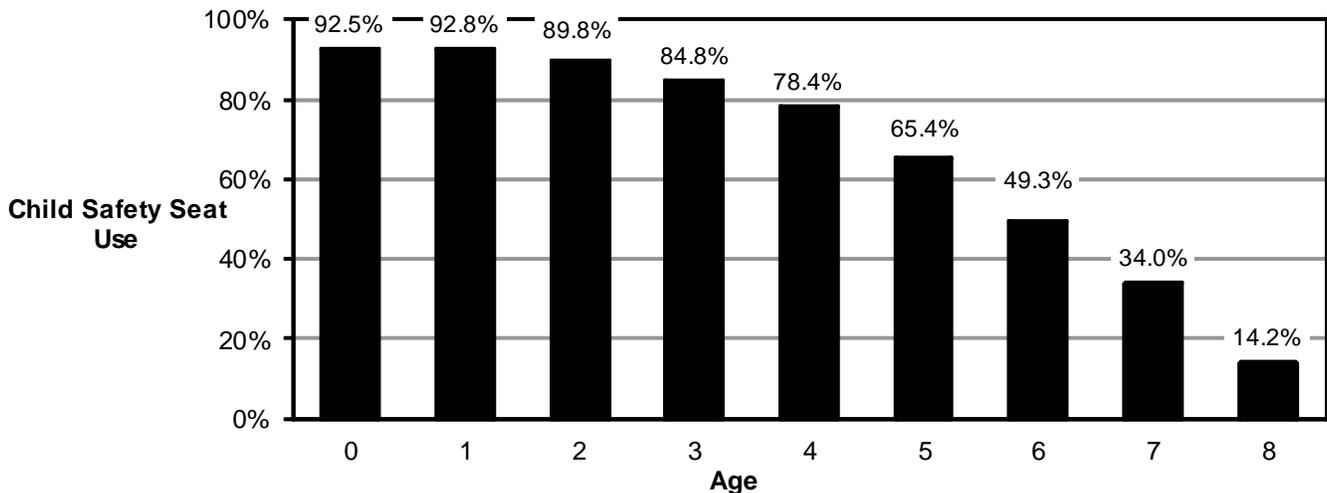
Restraint Use for Children Age 0 to 8 Years (Utah 2014)

Child Occupants								
Restraint Use	Ages 0-1		Ages 2-4		Ages 5-8		Total	
	#	%	#	%	#	%	#	%
Child Safety Seat	1,885	92.7%	2,313	84.2%	1,384	41.9%	5,582	69.1%
Seat Belt Only	136	6.7%	404	14.7%	1,868	56.6%	2,408	29.8%
Unrestrained	13	0.6%	30	1.1%	49	1.5%	92	1.1%
Total	2,034	100.0%	2,747	100.0%	3,301	100.0%	8,082	100.0%

- The older the child the less likely they were using a child safety seat.
- The drastic decrease in child safety seat use for children aged 5-8 years is concerning. This indicates that children are moving to adult-sized seat belts too early.

Child Safety Seat Use of Children (0 to 8 Years) by Age (Utah 2014)

Persons						
Age	Child Safety Seat Used		Child Safety Seat Not Used		Total	
	#	%	#	%	#	%
0	912	92.5%	74	7.5%	986	100.0%
1	973	92.8%	75	7.2%	1,048	100.0%
2	783	89.8%	89	10.2%	872	100.0%
3	793	84.8%	142	15.2%	935	100.0%
4	737	78.4%	203	21.6%	940	100.0%
5	594	65.4%	314	34.6%	908	100.0%
6	418	49.3%	430	50.7%	848	100.0%
7	262	34.0%	508	66.0%	770	100.0%
8	110	14.2%	665	85.8%	775	100.0%
Total	5,582	69.1%	2,500	30.9%	8,082	100.0%



- While over 92% of children ages 0 and 1 years were in a child safety seat, only 78% of 4-year-olds, 49% of 6-year-olds, and 14% of 8-year-olds were in a child safety seat.