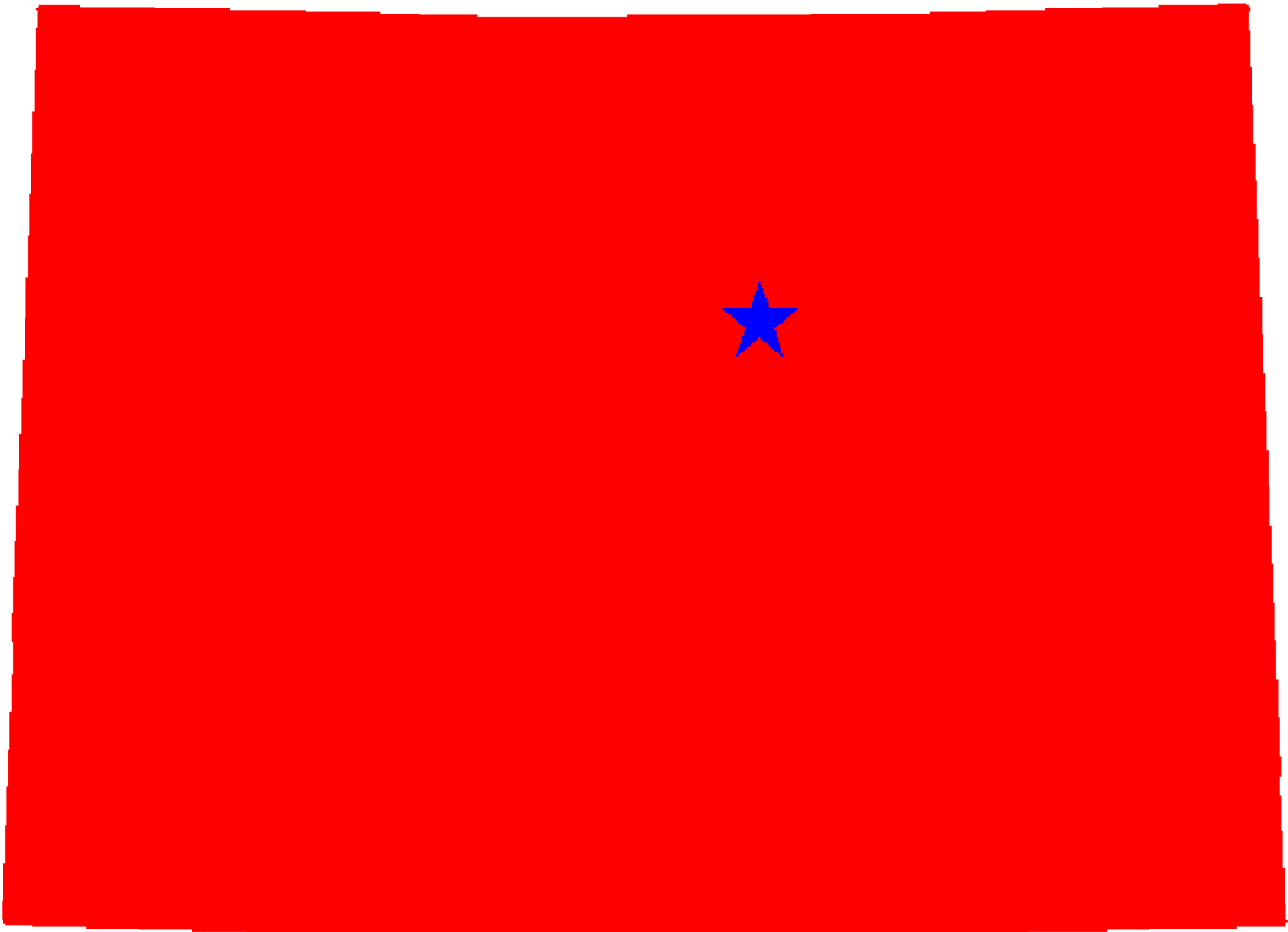




Traffic Safety Facts
Colorado
2011-2015



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2011-2014 Final File and 2015 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Colorado State Survey
- Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
- Population Data - U.S. Bureau of the Census



Table of Contents (Listed by Table Title and Page Number)

3. Traffic Safety Performance Measures
4. Fatality Rates: Colorado , U.S. and Best State
5. Alcohol-Impaired Driving Fatalities: Colorado , U.S. and Best State
6. Fatalities Per 100 Million VMT: Colorado , U.S.
6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Colorado , U.S.
7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Colorado , U.S. and Best State
8. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed Colorado , U.S. and Best State
9. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: Colorado , U.S.
9. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: Colorado , U.S.
10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
11. Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates
12. Fatalities by Person Type
13. Fatalities by Crash Type
14. Motorcyclist Fatalities by Age
14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
15. Fatalities by Person Type and Race/Hispanic Origin
16. Top 10 Counties for Fatalities
17. Top 10 Counties for Fatalities: Year to Year Percent Change
18. Top 10 Counties for Fatality Rates
19. Motor Vehicle Crash Fatality Maps:
Total Fatalities, Alcohol-Impaired Driving Fatalities, Single Vehicle Crash Fatalities
20. Motor Vehicle Crash Fatality Maps:
Large Truck Crash Fatalities, Speeding Involved Fatalities, Roadway Departure Fatalities
21. Motor Vehicle Crash Fatality Maps:
Intersection Fatalities, Passenger Car Occupants, Light Truck and Van Occupants
22. Motor Vehicle Crash Fatality Maps:
Motorcyclist Fatalities, Pedestrian Fatalities, Pedestrian Fatalities



Traffic Safety Performance (Core Outcome) Measures* For Colorado

Core Outcome Measures		Year									
		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Traffic Fatalities	Total (C-1)	535	554	548	465	450	447	474	482	488	546
	Rural	306	316	296	252	247	227	233	244	228	260
	Urban	229	238	252	213	203	220	241	238	260	284
	Unknown	0	0	0	0	0	0	0	0	0	2
Fatalities Per 100 Million VMT**	Total (C-3)	1.10	1.14	1.15	1.01	0.96	0.96	1.01	1.03	1.00	
	Rural	1.98	2.02	1.89	1.73	1.68	1.53	1.56	1.64	1.58	
	Urban	0.69	0.72	0.78	0.67	0.63	0.69	0.76	0.74	0.75	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	368	367	378	304	308	300	289	317	308	346
	Restrained	139	161	186	125	135	112	124	124	140	147
	Unrestrained (C-4)	226	193	173	168	162	185	158	177	156	188
	Unknown	3	13	19	11	11	3	7	16	12	11
Alcohol-Impaired Driving Fatalities (BAC=.08+)***(C-5)		179	167	176	158	120	160	134	140	160	151
Speeding-Related Fatalities (C-6)		182	224	210	171	162	183	164	151	168	216
Motorcyclist Fatalities	Total (C-7)	74	90	98	88	82	78	79	87	94	106
	Helmeted	13	33	30	27	27	28	24	31	33	39
	Unhelmeted (C-8)	61	57	68	60	55	49	53	55	61	67
	Unknown	0	0	0	1	0	1	2	1	0	0
Drivers Involved in Fatal Crashes	Total	721	789	712	653	601	587	632	628	684	787
	Aged Under 15	2	2	1	1	1	0	1	0	1	0
	Aged 15-20	97	85	86	63	63	63	66	57	73	67
	Aged Under 21 (C-9)	99	87	87	64	64	63	67	57	74	67
	Aged 21 and Over	614	696	617	586	530	519	551	565	605	709
	Unknown Age	8	6	8	3	7	5	14	6	5	11
Pedestrian Fatalities (C-10)		59	58	43	47	36	45	76	50	63	59
Bicyclist and Other Cyclist Fatalities***** (C-11)		10	11	12	10	8	8	13	12	10	13
Observed Seat Belt Use**** (B-1)		80	81	82	81	83	82	81	82	82	85

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

**2015 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only *Colorado Data: State Survey

*****On March 11th, 2014 GHSA and NHTSA agreed on bike fatalities as a newly required performance core measure

[Back To The Table of Contents](#)



Fatality Rates: Colorado , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2011	Colorado	447	46,606	0.96	5,119,480	8.73
	US	32,479	2,950,402	1.10	311,718,857	10.42
	Best State*			0.65		4.35
2012	Colorado	474	46,769	1.01	5,191,731	9.13
	US	33,782	2,969,433	1.14	314,102,623	10.76
	Best State*			0.42		2.36
2013	Colorado	482	46,968	1.03	5,271,132	9.14
	US	32,893	2,988,280	1.10	316,427,395	10.40
	Best State*			0.57		3.08
2014	Colorado	488	48,985	1.00	5,355,588	9.11
	US	32,744	3,025,656	1.08	318,907,401	10.27
	Best State*			0.62		3.49
2015	Colorado	546			5,456,574	10.01
	US	35,092			321,418,820	10.92
	Best State*					3.42

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States
 2015 National VMT is a Preliminary Estimate and Subject to Change
 2015 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities**:
Colorado , U.S. and Best State

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2011	Colorado	447	160	36	0.34
	US	32,479	9,865	30	0.33
	Best State*			17	0.16
2012	Colorado	474	134	28	0.29
	US	33,782	10,336	31	0.35
	Best State*			15	0.08
2013	Colorado	482	140	29	0.30
	US	32,893	10,084	31	0.34
	Best State*			17	0.14
2014	Colorado	488	160	33	0.33
	US	32,744	9,943	30	0.33
	Best State*			18	0.11
2015	Colorado	546	151	28	
	US	35,092	10,265	29	
	Best State*			16	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

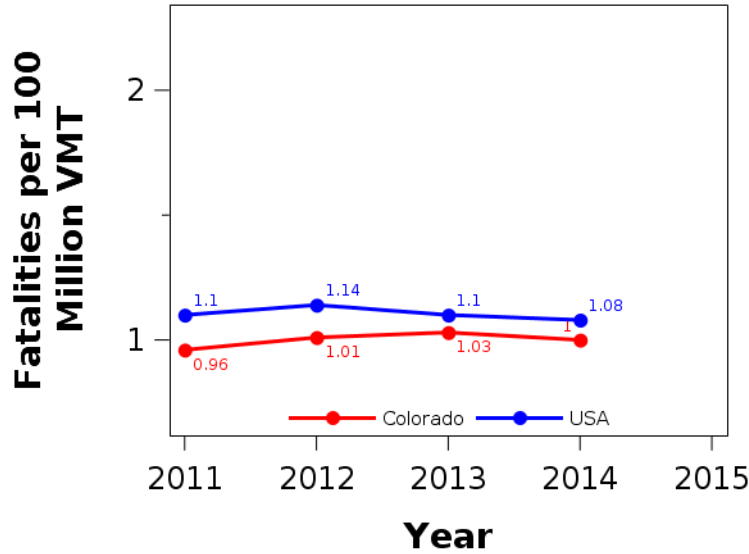
2015 National VMT is a Preliminary Estimate and Subject to Change

2015 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)

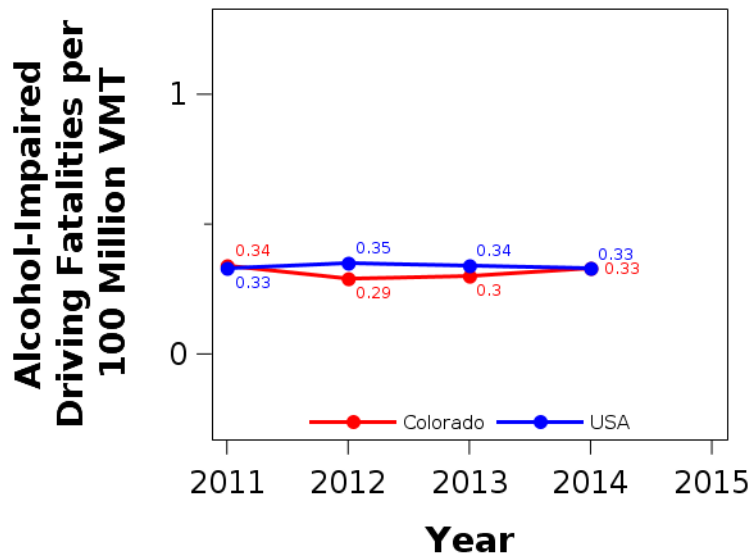


Fatalities per 100 Million VMT



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT



2015 National VMT is a Preliminary Estimate and Subject to Change
 2015 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates
 For Drivers/Motorcycle Riders (Operators)
 Involved in Fatal Crashes:
 Colorado , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2011	Colorado	285	61	21	302	246	81	587	307	52
	US	23,025	7,484	33	20,815	15,846	76	43,840	23,330	53
	Best State*			88			98			93
2012	Colorado	344	47	14	288	232	81	632	279	44
	US	24,174	7,569	31	21,490	16,097	75	45,664	23,666	52
	Best State*			88			95			91
2013	Colorado	313	71	23	315	266	84	628	337	54
	US	23,860	6,975	29	20,943	15,661	75	44,803	22,636	51
	Best State*			81			95			86
2014	Colorado	363	70	19	321	268	83	684	338	49
	US	23,883	6,781	28	20,788	15,352	74	44,671	22,133	50
	Best State*			88			96			89
2015	Colorado	429	85	20	358	312	87	787	397	50
	US	26,463	7,214	27	22,150	15,421	70	48,613	22,635	47
	Best State*			89			96			90

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:
Fatalities and Observed
Colorado , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2011	Colorado	46	82
	US	59	84
	Best State*	80	98
2012	Colorado	55	81
	US	58	86
	Best State*	79	97
2013	Colorado	48	82
	US	61	87
	Best State*	100	98
2014	Colorado	56	82
	US	61	87
	Best State*	80	98
2015	Colorado	50	85
	US	62	89
	Best State*	100	97

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

**Percent Based Only Where Restraint Use Was Known

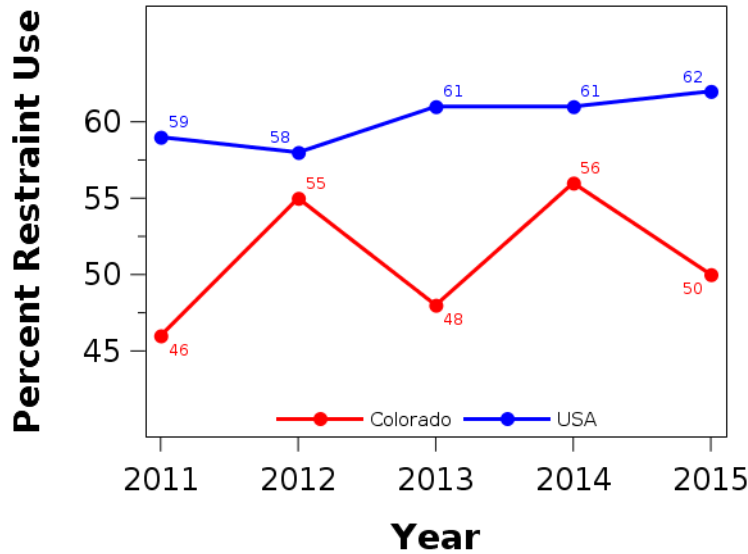
***USA Data: National Occupant Protection Use Survey. Colorado Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems
by Fatally Injured Occupants with Occupants in all Driving Situations

[Back To The Table of Contents](#)



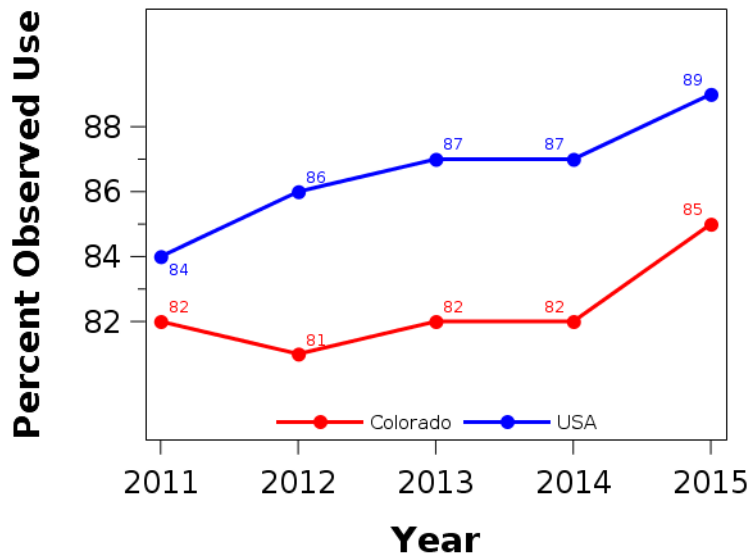
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

[Back To The Table of Contents](#)

Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. Colorado Data: State Survey

[Back To The Table of Contents](#)



**Colorado Passenger Vehicle Occupant Fatalities Age 5 and Above
by Restraint Use and Lives Saved Estimates**

Year	Fatalities Age 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2011	299	112	184	3	38	145	72
2012	287	122	158	7	44	150	61
2013	309	118	175	16	40	160	62
2014	307	139	156	12	47	170	63
2015	345	146	188	11	44	199	60

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)

**Colorado Passenger Vehicle Occupant Fatalities Age 4 and Under
by Restraint Use and Lives Saved Estimates**

Year	Fatalities Age 4 and Under					Lives Saved Estimates**
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2011	1	0	1	0	0	0
2012	2	2	0	0	100	2
2013	8	6	2	0	75	8
2014	1	1	0	0	100	1
2015	1	1	0	0	100	1

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



**Colorado Motorcyclist Fatalities
by Helmet Use and Lives Saved Estimates**

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2011	78	28	49	1	36	17	18
2012	79	24	53	2	31	15	20
2013	87	31	55	1	36	19	21
2014	94	33	61	0	35	19	22
2015	106	39	67	0	37	23	25

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)



Colorado Fatalities by Person Type

Person Type		2011		2012		2013		2014		2015	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	149	33	150	32	141	29	176	36	162	30
	Light Truck - Pickup	67	15	58	12	77	16	56	11	77	14
	Light Truck - Utility	66	15	71	15	85	18	70	14	85	16
	Light Truck - Van	18	4	10	2	14	3	6	1	21	4
	Light Truck - Other	0	0	0	0	0	0	0	0	1	0
	Large Truck	12	3	14	3	11	2	10	2	13	2
	Bus	0	0	1	0	0	0	0	0	0	0
	Other/Unknown Occupants	2	0	0	0	3	1	1	0	4	1
	Total Occupants	314	70	304	64	331	69	319	65	363	66
Motorcyclists	Total Motorcyclists	78	17	79	17	87	18	94	19	106	19
Nonoccupants	Pedestrian	45	10	76	16	50	10	63	13	59	11
	Bicyclist and Other Cyclist	8	2	13	3	12	2	10	2	13	2
	Other/Unknown Nonoccupants	2	0	2	0	2	0	2	0	5	1
	Total Nonoccupants	55	12	91	19	64	13	75	15	77	14
Total	Total	447	100	474	100	482	100	488	100	546	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding

[Back To The Table of Contents](#)



Colorado Fatalities by Crash Type

Crash Type	2011	2012	2013	2014	2015
Total Fatalities (All Crashes)*	447	474	482	488	546
- (1) Single Vehicle	269	284	284	273	305
- (2) Involving a Large Truck	51	58	56	63	64
- (3) Involving Speeding	183	164	151	168	216
- (4) Involving a Rollover	171	171	197	166	195
- (5) Involving a Roadway Departure	275	264	287	285	304
- (6) Involving an Intersection (or Intersection Related)	113	112	118	127	152

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

[Back To The Table of Contents](#)



Colorado Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2011	3	17	7	13	25	13	78
2012	1	15	11	14	26	12	79
2013	2	14	13	24	13	21	87
2014	1	23	12	18	25	15	94
2015	1	26	14	15	30	20	106

[Back To The Table of Contents](#)

Colorado Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2011	78	173,231	45.03
2012	79	183,881	42.96
2013	87	184,549	47.14
2014	94	188,192	49.95
2015	106		

*Data Source: FHWA

*2015 Motorcycle Registrations are Not Yet Available

[Back To The Table of Contents](#)



Colorado Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2011	2012	2013	2014
Occupants (All Vehicle Types)	Hispanic	90	97	98	93
	White Non-Hispanic	273	266	290	296
	Black, Non-Hispanic	19	12	17	10
	American Indian, Non-Hispanic/Unknown	6	3	4	6
	Asian, Non-Hispanic/Unknown	0	1	1	2
	All Other Non-Hispanic or Race	4	4	8	5
	Unknown Race and Unknown Hispanic	0	0	0	1
	Total	392	383	418	413
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	12	29	21	14
	White Non-Hispanic	39	52	31	51
	Black, Non-Hispanic	2	10	5	4
	American Indian, Non-Hispanic/Unknown	1	0	1	1
	Asian, Non-Hispanic/Unknown	0	0	0	1
	All Other Non-Hispanic or Race	1	0	6	4
	Unknown Race and Unknown Hispanic	0	0	0	0
Total	55	91	64	75	
Total	447	474	482	488	

2015 Race/Hispanic Origin Data is Not Yet Complete

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatalities

Colorado Counties by 2015 Ranking		Fatalities					Percent of Total				
		2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
1	Jefferson County	32	32	43	42	55	7	7	9	9	10
2	Weld County	36	39	35	55	55	8	8	7	11	10
3	Denver County	33	36	40	42	51	7	8	8	9	9
4	El Paso County	43	43	63	53	48	10	9	13	11	9
5	Adams County	29	27	33	32	44	7	6	7	7	8
6	Arapahoe County	27	29	21	30	37	6	6	4	6	7
7	Larimer County	22	23	20	24	33	5	5	4	5	6
8	Mesa County	19	15	19	13	20	4	3	4	3	4
9	Boulder County	17	26	12	16	19	4	6	3	3	3
10	Douglas County	12	15	12	17	13	3	3	3	3	2
Sub Total 1.*	Top Ten Counties	282	298	300	330	375	63	63	63	68	69
Sub Total 2.**	All Other Counties	164	172	178	156	170	37	37	37	32	31
Total	All Counties	446	470	478	486	545	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties
 **This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatalities Year to Year Percent Change

Colorado Counties by 2015 Ranking		Fatalities					Percent Change From Previous Year			
		2011	2012	2013	2014	2015	2012	2013	2014	2015
1	Jefferson County	32	32	43	42	55	0	34	-2	31
2	Weld County	36	39	35	55	55	8	-10	57	0
3	Denver County	33	36	40	42	51	9	11	5	21
4	El Paso County	43	43	63	53	48	0	47	-16	-9
5	Adams County	29	27	33	32	44	-7	22	-3	38
6	Arapahoe County	27	29	21	30	37	7	-28	43	23
7	Larimer County	22	23	20	24	33	5	-13	20	38
8	Mesa County	19	15	19	13	20	-21	27	-32	54
9	Boulder County	17	26	12	16	19	53	-54	33	19
10	Douglas County	12	15	12	17	13	25	-20	42	-24
Sub Total 1.*	Top Ten Counties	282	298	300	330	375	6	1	10	14
Sub Total 2.**	All Other Counties	164	172	178	156	170	5	3	-12	9
Total	All Counties	446	470	478	486	545	5	2	2	12

*This Sub Total is the Total for the Top Ten Counties
 **This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2015 - Fatality Rates

Median Rate for all U.S. Counties: 17.23

Colorado Counties by 2015 Ranking		Fatalities Per 100,000 Population				
		2011	2012	2013	2014	2015
1	Mineral County	140.65	0.00	0.00	0.00	137.74
2	Hinsdale County	120.92	0.00	0.00	0.00	129.20
3	Gilpin County	18.37	0.00	17.94	17.48	85.79
4	Jackson County	0.00	74.13	0.00	0.00	73.75
5	Lincoln County	73.61	73.52	147.25	72.62	71.98
6	Ouray County	0.00	0.00	0.00	43.24	63.95
7	Gunnison County	19.41	38.77	25.76	19.08	56.02
8	Costilla County	54.87	27.77	0.00	84.46	55.80
9	Baca County	52.49	53.15	54.32	0.00	55.33
10	Dolores County	0.00	0.00	98.62	0.00	50.56
	Sub Rate 1.* <i>Top Ten Counties</i>	67.60	85.55	85.84	73.92	65.65
	Sub Rate 2.** <i>All Other Counties</i>	8.19	8.54	8.43	8.66	9.65
	Total Rate <i>All Counties</i>	8.81	9.16	9.17	9.18	10.11

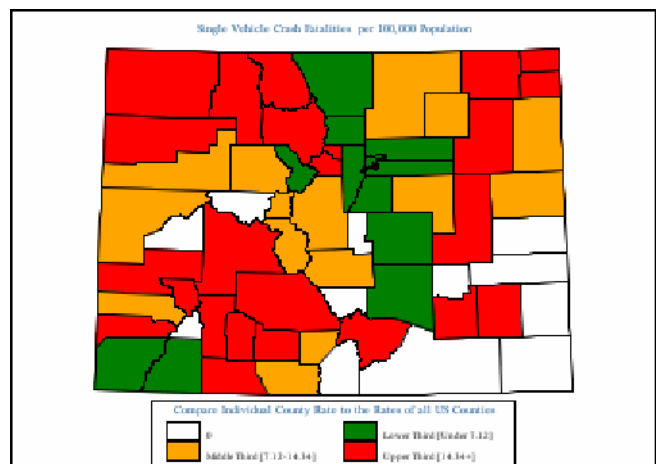
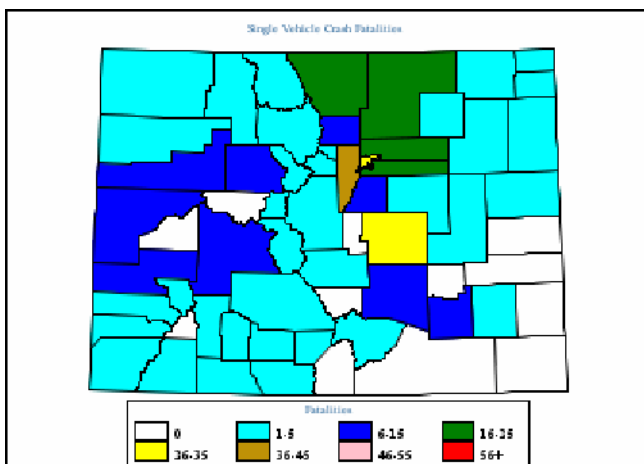
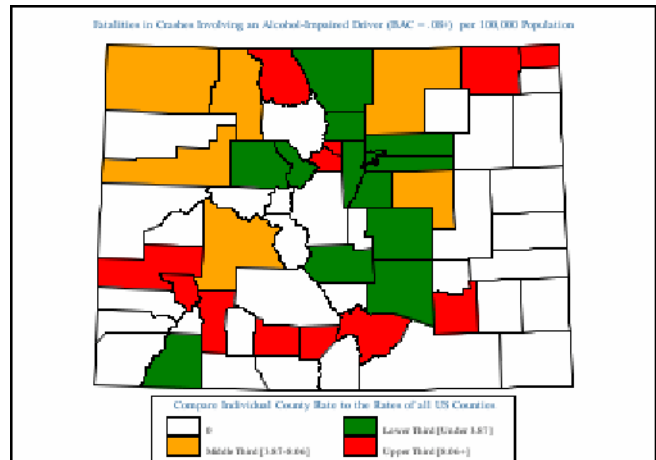
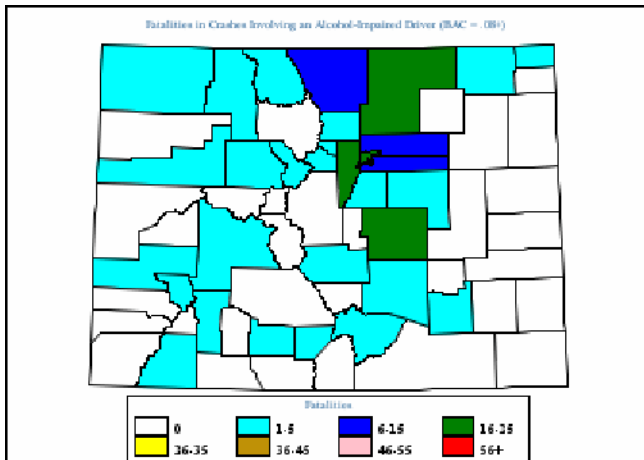
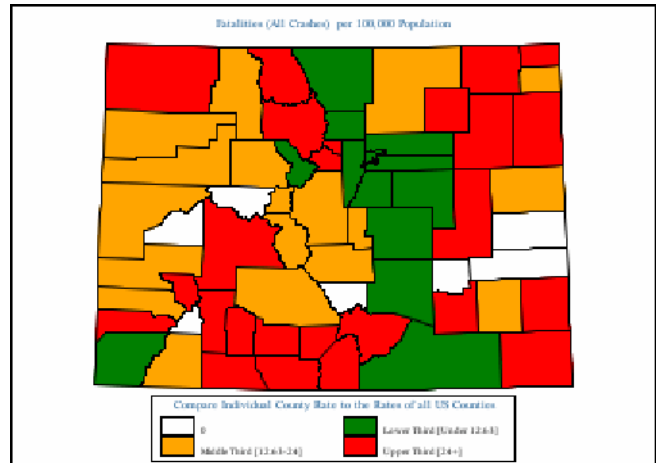
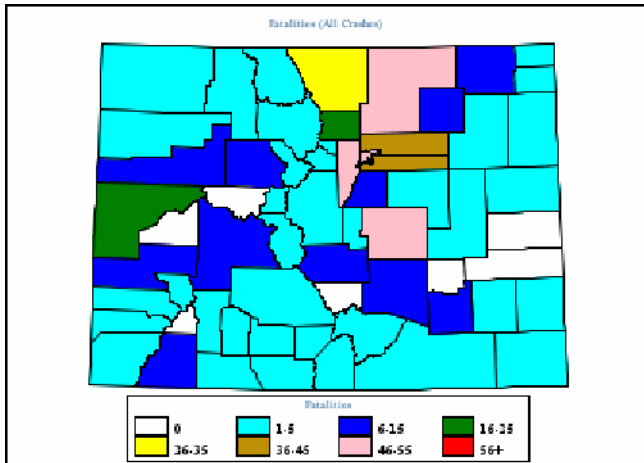
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten

[Back To The Table of Contents](#)

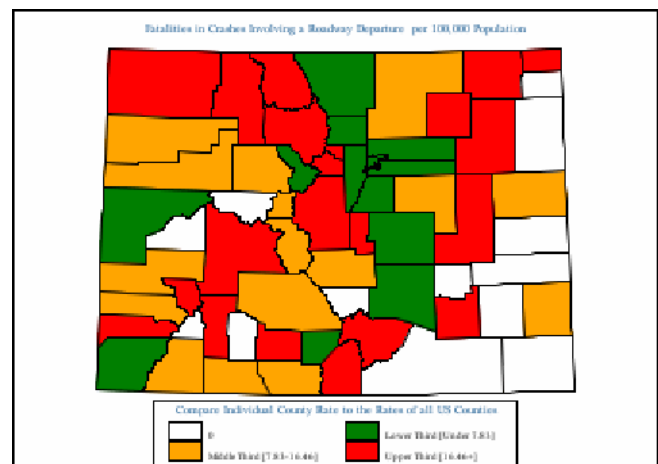
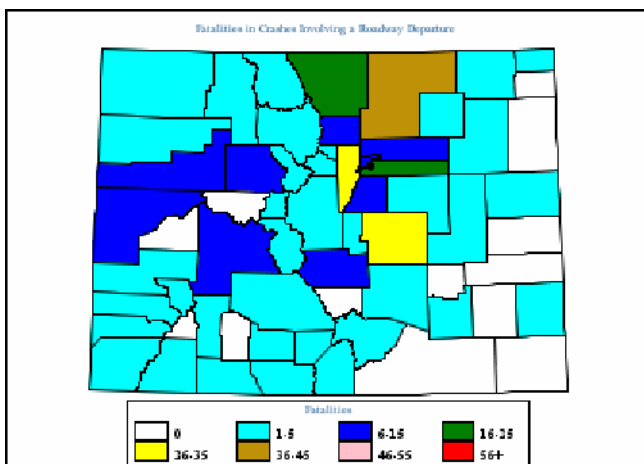
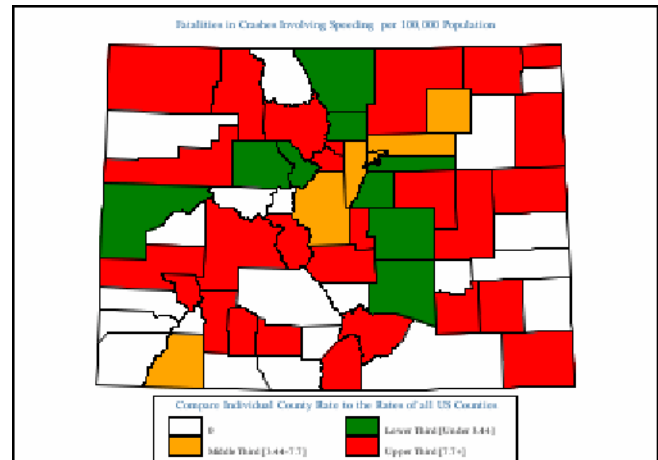
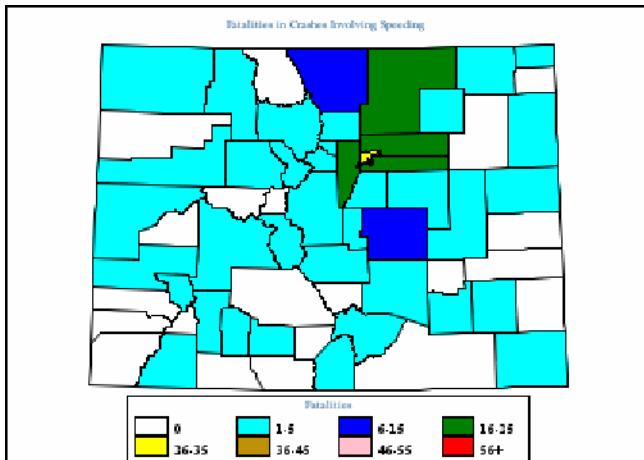
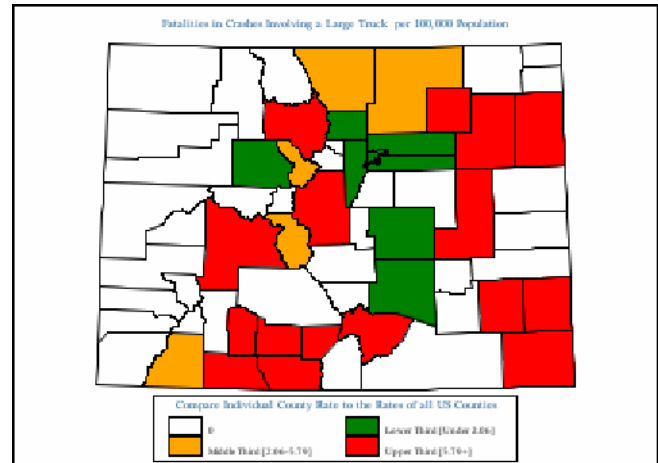
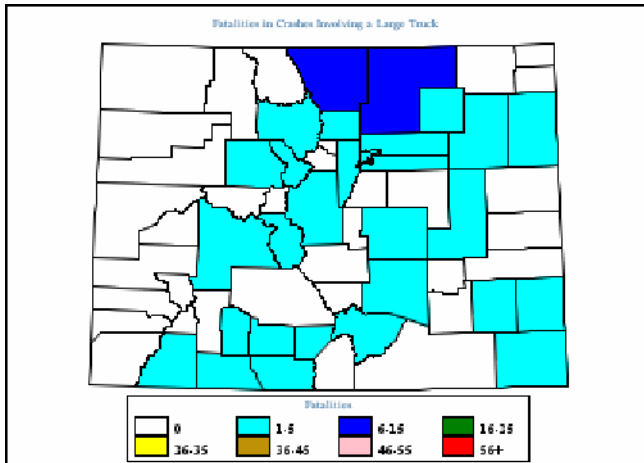


Colorado Motor Vehicle Crash Fatality Maps for 2015



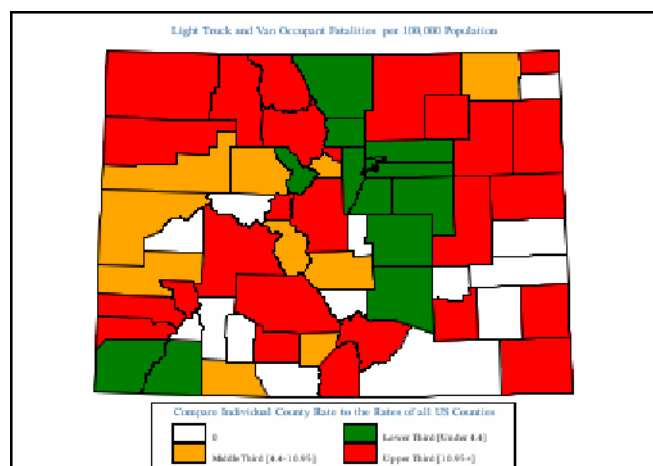
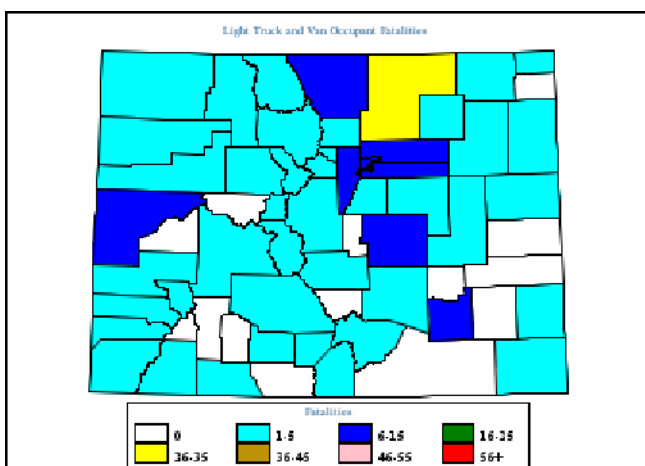
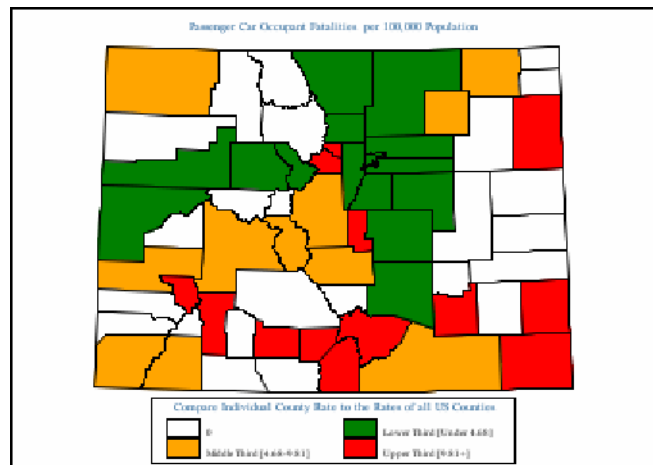
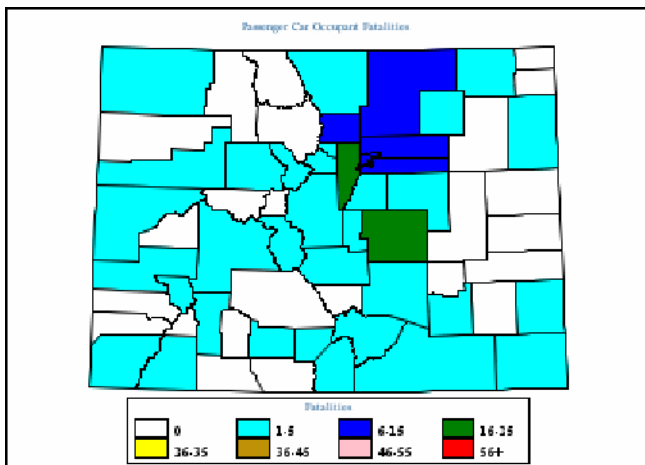
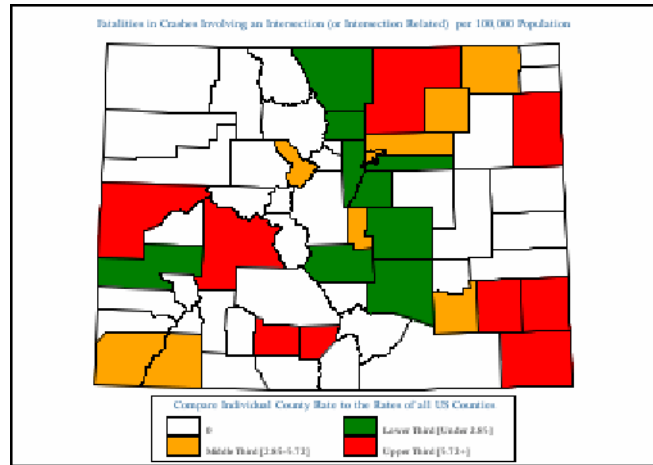
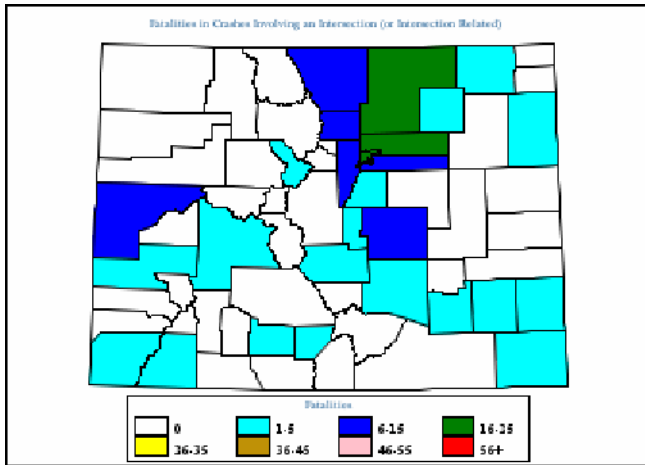


Colorado Motor Vehicle Crash Fatality Maps for 2015





Colorado Motor Vehicle Crash Fatality Maps for 2015





Colorado Motor Vehicle Crash Fatality Maps for 2015

