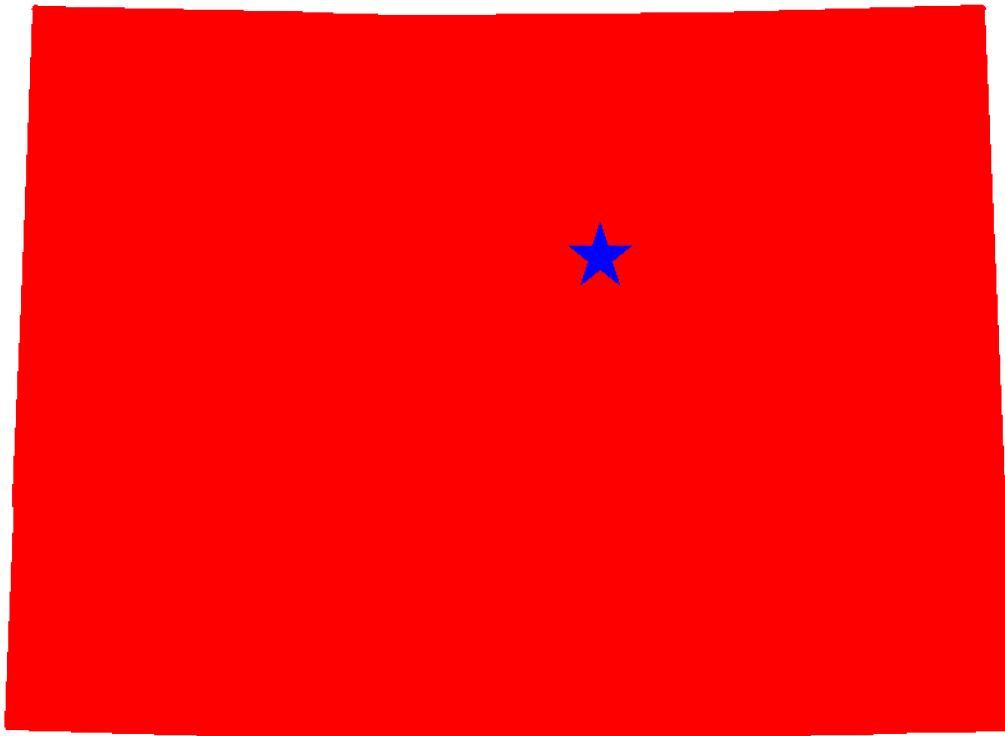




Traffic Safety Facts Colorado 2006-2010



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2006-2009 Final File and 2010 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



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Traffic Safety Performance (Core Outcome) Measures* For Colorado

Core Outcome Measures		Year				
		2006	2007	2008	2009	2010
Traffic Fatalities	Total	535	554	548	465	448
	Rural	306	316	296	252	245
	Urban	229	238	252	213	203
	Unknown	0	0	0	0	0
Fatalities Per 100 Million Vehicle Miles Driven	Total	1.10	1.14	1.15	1.01	0.95
	Rural	1.98	2.02	1.89	1.73	1.66
	Urban	0.69	0.72	0.78	0.67	0.63
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	368	367	378	304	306
	Restrained	139	161	186	125	134
	Unrestrained	226	193	173	168	161
	Unknown	3	13	19	11	11
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		179	167	176	158	127
Speeding-Related Fatalities		182	224	210	171	162
Motorcyclist Fatalities	Total	74	90	98	88	82
	Helmeted	13	33	30	27	27
	Unhelmeted	61	57	68	60	55
	Unknown	0	0	0	1	0
Drivers Involved in Fatal Crashes	Total	721	789	712	653	599
	Aged Under 15	2	2	1	1	1
	Aged 15-20	97	85	86	63	63
	Aged Under 21	99	87	87	64	64
	Aged 21 and Over	614	696	617	586	528
	Unknown Age	8	6	8	3	7
Pedestrian Fatalities		59	58	43	47	36

*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)

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

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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
2006	Colorado	535	48,641	1.10	4,720,423	11.33
	US	42,708	3,014,371	1.42	298,379,912	14.31
	Best State*			0.78		6.48
2007	Colorado	554	48,713	1.14	4,803,868	11.53
	US	41,259	3,031,124	1.36	301,231,207	13.70
	Best State*			0.79		6.53
2008	Colorado	548	47,860	1.15	4,889,730	11.21
	US	37,423	2,976,528	1.26	304,093,966	12.31
	Best State*			0.67		5.63
2009	Colorado	465	46,230	1.01	4,972,195	9.35
	US	33,883	2,956,764	1.15	306,771,529	11.05
	Best State*			0.62		4.90
2010	Colorado	448	46,940	0.95	5,049,071	8.87
	US	32,885	2,966,506	1.11	309,349,689	10.63
	Best State*			0.58		3.97

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

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Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash**:
Colorado , U.S. and Best State
(Old Definition)

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash					
			BAC = .01+			BAC = .08+		
			Number	Percent	Per 100 Million VMT	Number	Percent	Per 100 Million VMT
2006	Colorado	535	227	42	0.47	193	36	0.40
	US	42,708	17,738	42	0.59	15,144	35	0.50
	Best State*			24	0.26		20	0.22
2007	Colorado	554	224	40	0.46	195	35	0.40
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Colorado	548	220	40	0.46	190	35	0.40
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Colorado	465	200	43	0.43	178	38	0.39
	US	33,883	14,179	42	0.48	12,149	36	0.41
	Best State*			25	0.24		18	0.17
2010	Colorado	448	157	35	0.33	139	31	0.30
	US	32,885	13,364	41	0.45	11,560	35	0.39
	Best State*			23	0.21		21	0.18

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

**Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians

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Alcohol-Impaired Driving Fatalities**:
Colorado , U.S. and Best State
(New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2006	Colorado	535	179	33	0.37
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Colorado	554	167	30	0.34
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	Colorado	548	176	32	0.37
	US	37,423	11,711	31	0.39
	Best State*			16	0.16
2009	Colorado	465	158	34	0.34
	US	33,883	10,759	32	0.36
	Best State*			17	0.16
2010	Colorado	448	127	28	0.27
	US	32,885	10,228	31	0.34
	Best State*			19	0.14

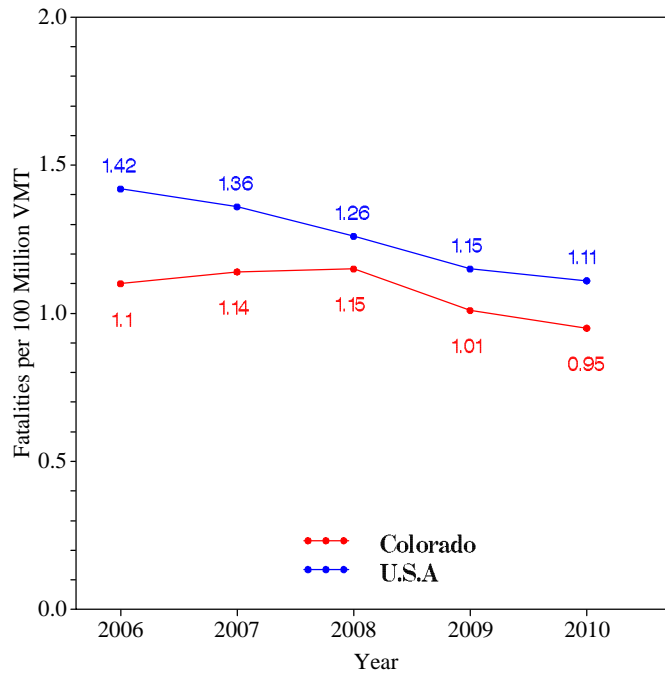
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

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

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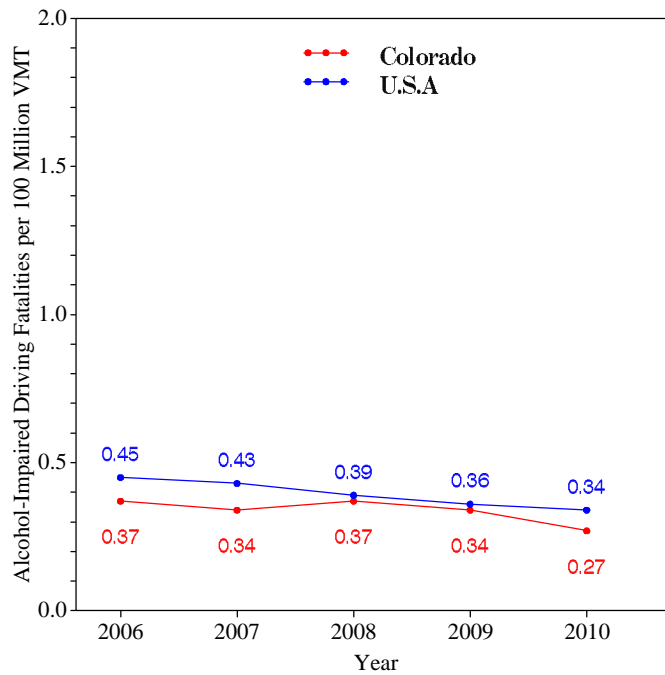


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



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**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
2006	Colorado	384	55	14	337	243	72	721	298	41
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Colorado	437	37	8	352	308	88	789	345	44
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	Colorado	351	38	11	361	289	80	712	327	46
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52
	Best State*			81			99			85
2009	Colorado	341	41	12	312	273	88	653	314	48
	US	23,502	7,188	31	21,835	16,753	77	45,337	23,941	53
	Best State*			86			100			90
2010	Colorado	307	24	8	292	196	67	599	220	37
	US	23,424	6,955	30	21,016	14,872	71	44,440	21,827	49
	Best State*			88			93			87

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

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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
2006	Colorado	47	80
	US	55	81
	Best State*	100	96
2007	Colorado	59	81
	US	57	82
	Best State*	82	98
2008	Colorado	62	82
	US	56	83
	Best State*	78	97
2009	Colorado	58	81
	US	58	84
	Best State*	77	98
2010	Colorado	57	83
	US	59	85
	Best State*	100	98

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

**Percent Based Only Where Restraint Use Was Known

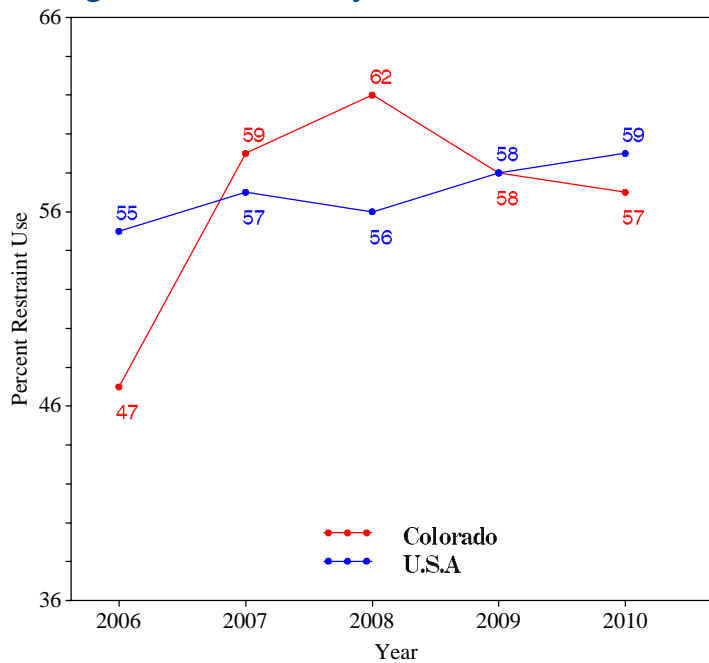
***USA Data: National Occupant Protection Use Survey. Colorado Data: State Survey

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

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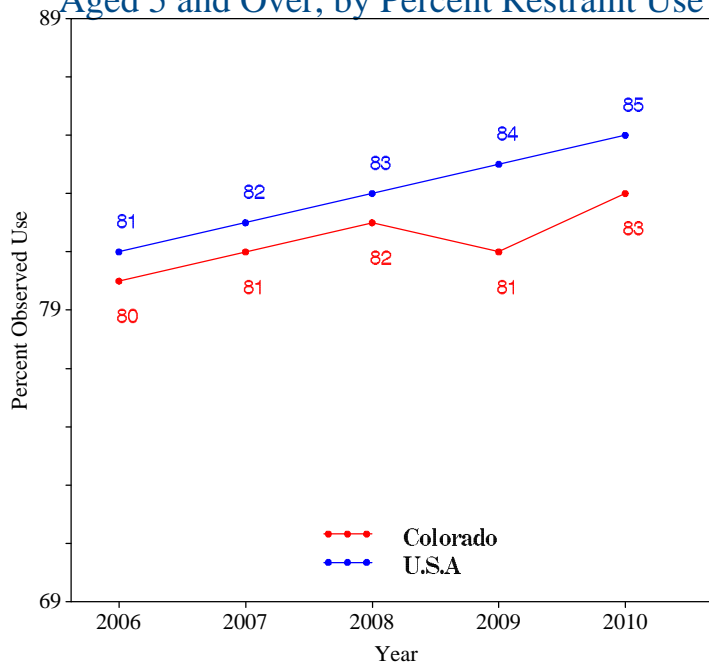
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

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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

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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
2006	362	134	225	3	37	168	74
2007	364	159	192	13	45	201	82
2008	371	181	171	19	51	233	88
2009	300	125	164	11	43	163	68
2010	301	130	160	11	45	158	66

*Percent Based Only Where Restraint Use Was Known

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

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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
2006	6	5	1	0	83	8
2007	3	2	1	0	67	2
2008	7	5	2	0	71	8
2009	4	0	4	0	0	0
2010	5	4	1	0	80	6

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

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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
2006	74	13	61	0	18	8	23
2007	90	33	57	0	37	20	21
2008	98	30	68	0	31	18	26
2009	88	27	60	1	31	16	23
2010	82	27	55	0	33	16	20

*Percent Based Only Where Helmet Use Was Known

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

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Fatalities by Person Type

Person Type		2006		2007		2008		2009		2010	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	180	34	189	34	178	32	138	30	154	34
	Light Truck - Pickup	83	16	73	13	80	15	58	12	61	14
	Light Truck - Utility	79	15	84	15	88	16	89	19	79	18
	Light Truck - Van	25	5	21	4	32	6	19	4	12	3
	Light Truck - Other	1	0	0	0	0	0	0	0	0	0
	Large Truck	19	4	22	4	10	2	10	2	10	2
	Other/Unknown Occupants	2	0	1	0	0	0	2	0	2	0
	<i>Total Occupants</i>	389	73	390	70	388	71	316	68	318	71
Motorcyclists	<i>Total Motorcyclists</i>	74	14	90	16	98	18	88	19	82	18
Nonoccupants	Pedestrian	59	11	58	10	43	8	47	10	36	8
	Bicyclist and Other Cyclist	10	2	11	2	12	2	10	2	8	2
	Other/Unknown Nonoccupants	3	1	5	1	7	1	4	1	4	1
	<i>Total Nonoccupants</i>	72	13	74	13	62	11	61	13	48	11
Total	<i>Total</i>	535	100	554	100	548	100	465	100	448	100

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

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Fatalities by Crash Type

Crash Type	2006	2007	2008	2009	2010
Total Fatalities (All Crashes)*	535	554	548	465	448
- (1) Single Vehicle	315	306	314	279	269
- (2) Involving a Large Truck	67	82	68	40	49
- (3) Involving Speeding	182	224	210	171	162
- (4) Involving a Rollover	227	225	204	186	187
- (5) Involving a Roadway Departure	306	307	323	274	247
- (6) Involving an Intersection (or Intersection Related)	119	149	125	98	106

(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

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Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2006	3	13	13	25	13	7	74
2007	4	15	15	27	18	11	90
2008	5	25	17	22	19	10	98
2009	3	19	9	17	25	15	88
2010	2	12	11	24	21	12	82

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2006	74	117,159	63.16
2007	90	111,468	80.74
2008	98	118,486	82.71
2009	88	94,746	92.88
2010	82	110,563	74.17

*Data Source: FHWA

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Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2006	2007	2008	2009
Occupants (All Vehicle Types)	Hispanic	87	92	115	83
	White Non-Hispanic	334	357	340	294
	Black, Non-Hispanic	18	24	11	19
	American Indian, Non-Hispanic/Unknown	8	3	5	3
	Asian, Non-Hispanic/Unknown	1	0	3	2
	All Other Non-Hispanic or Race	12	4	12	3
	Unknown Race and Unknown Hispanic	3	0	0	0
	Total	463	480	486	404
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	25	22	14	17
	White Non-Hispanic	43	46	38	36
	Black, Non-Hispanic	2	4	6	2
	American Indian, Non-Hispanic/Unknown	2	0	3	2
	Asian, Non-Hispanic/Unknown	0	0	1	0
	All Other Non-Hispanic or Race	0	2	0	3
	Unknown Race and Unknown Hispanic	0	0	0	1
Total	72	74	62	61	
Total	535	554	548	465	

2010 Race/Hispanic Origin Data is Not Yet Complete

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5 Year Trend For The Top 10 Counties of 2010 - Fatalities

Counties by 2010 Ranking		Fatalities					Percent of Total				
		2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
1	El Paso County	31	39	47	42	41	6	7	9	9	9
2	Weld County	38	47	45	39	41	7	9	8	8	9
3	Denver County	35	39	46	36	40	7	7	8	8	9
4	Jefferson County	45	39	39	28	35	8	7	7	6	8
5	Adams County	38	39	39	22	29	7	7	7	5	6
6	Boulder County	18	15	23	19	20	3	3	4	4	4
7	Arapahoe County	40	36	44	29	19	7	7	8	6	4
8	Pueblo County	15	23	26	22	19	3	4	5	5	4
9	Larimer County	28	25	26	27	16	5	5	5	6	4
10	Douglas County	21	14	21	12	13	4	3	4	3	3
Sub Total 1.*	Top Ten Counties	318	332	356	281	273	59	60	65	61	61
Sub Total 2.**	All Other Counties	217	218	190	183	174	41	40	35	39	39
Total	All Counties	535	550	546	464	447	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

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5 Year Trend For The Top 10 Counties of 2010 - Fatalities Year to Year Percent Change

Counties by 2010 Ranking		Fatalities					Percent Change From Previous Year			
		2006	2007	2008	2009	2010	2007	2008	2009	2010
1	El Paso County	31	39	47	42	41	26	21	-11	-2
2	Weld County	38	47	45	39	41	24	-4	-13	5
3	Denver County	35	39	46	36	40	11	18	-22	11
4	Jefferson County	45	39	39	28	35	-13	0	-28	25
5	Adams County	38	39	39	22	29	3	0	-44	32
6	Boulder County	18	15	23	19	20	-17	53	-17	5
7	Arapahoe County	40	36	44	29	19	-10	22	-34	-34
8	Pueblo County	15	23	26	22	19	53	13	-15	-14
9	Larimer County	28	25	26	27	16	-11	4	4	-41
10	Douglas County	21	14	21	12	13	-33	50	-43	8
Sub Total 1.*	Top Ten Counties	318	332	356	281	273	4	7	-21	-3
Sub Total 2.**	All Other Counties	217	218	190	183	174	0	-13	-4	-5
Total	All Counties	535	550	546	464	447	3	-1	-15	-4

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

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

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5 Year Trend For The Top 10 Counties of 2010 - Fatality Rates

Median Rate for all U.S. Counties: 17.1

Counties by 2010 Ranking		Fatalities Per 100,000 Population				
		2006	2007	2008	2009	2010
1	Cheyenne County	313.81	53.68	0.00	54.26	163.93
2	Baca County	203.41	25.87	131.37	159.28	158.10
3	Dolores County	0.00	50.51	0.00	0.00	145.49
4	Kiowa County	137.36	141.84	287.36	290.28	142.96
5	Mineral County	0.00	247.83	129.20	136.61	140.85
6	Hinsdale County	0.00	239.52	0.00	0.00	118.06
7	Costilla County	0.00	28.03	84.94	86.18	113.38
8	Lincoln County	18.08	18.23	91.44	147.52	91.36
9	Kit Carson County	62.41	50.29	36.78	47.72	84.58
10	Huerfano County	84.19	70.91	56.55	87.92	75.00
	Sub Rate 1.* Top Ten Counties	108.06	89.85	94.78	111.80	106.98
	Sub Rate 2.** All Other Counties	10.29	11.08	10.63	8.72	8.27
	Total Rate All Counties	11.45	11.57	11.29	9.44	8.95

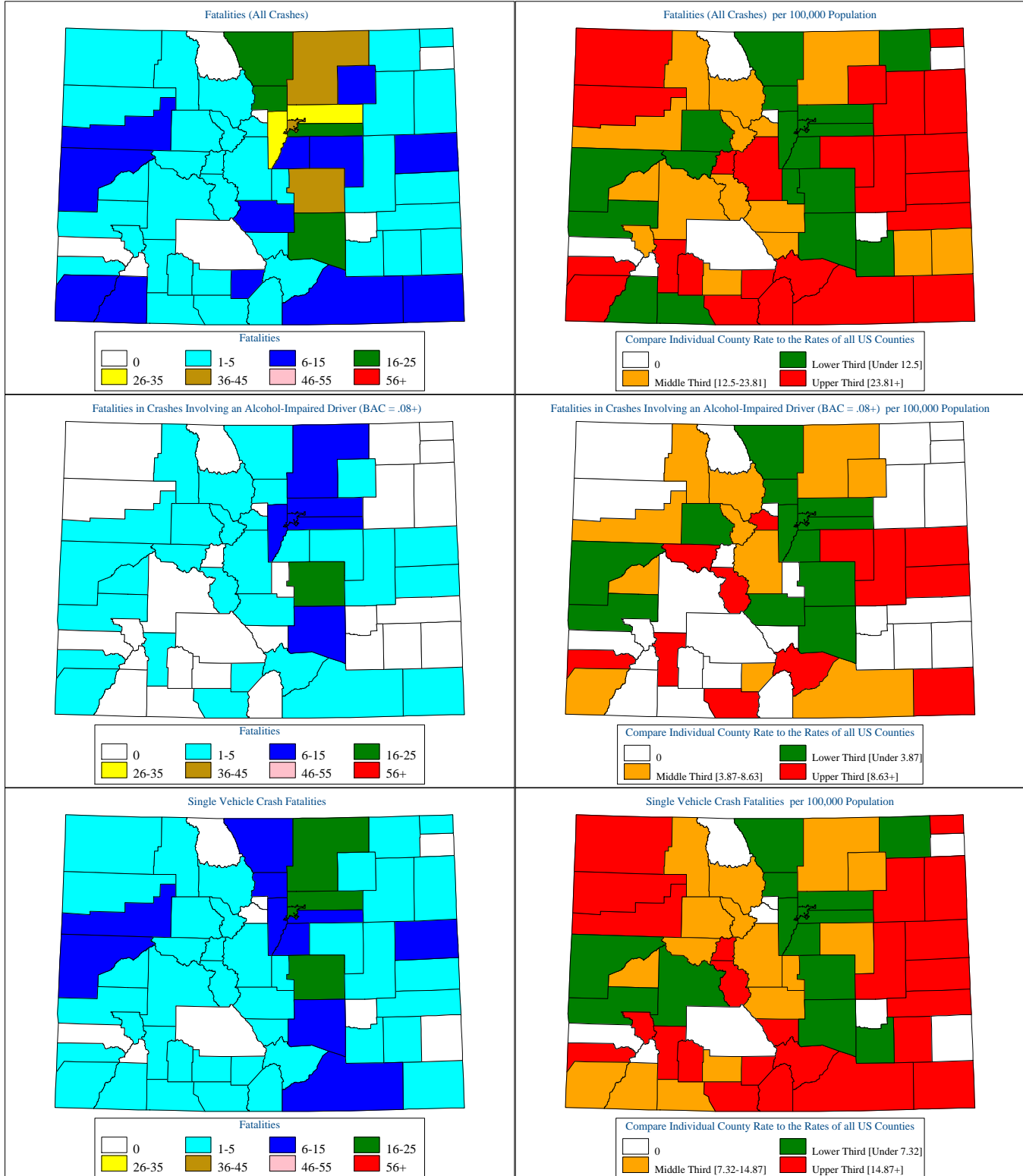
*This Sub Rate is the Rate for the Top Ten Counties

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

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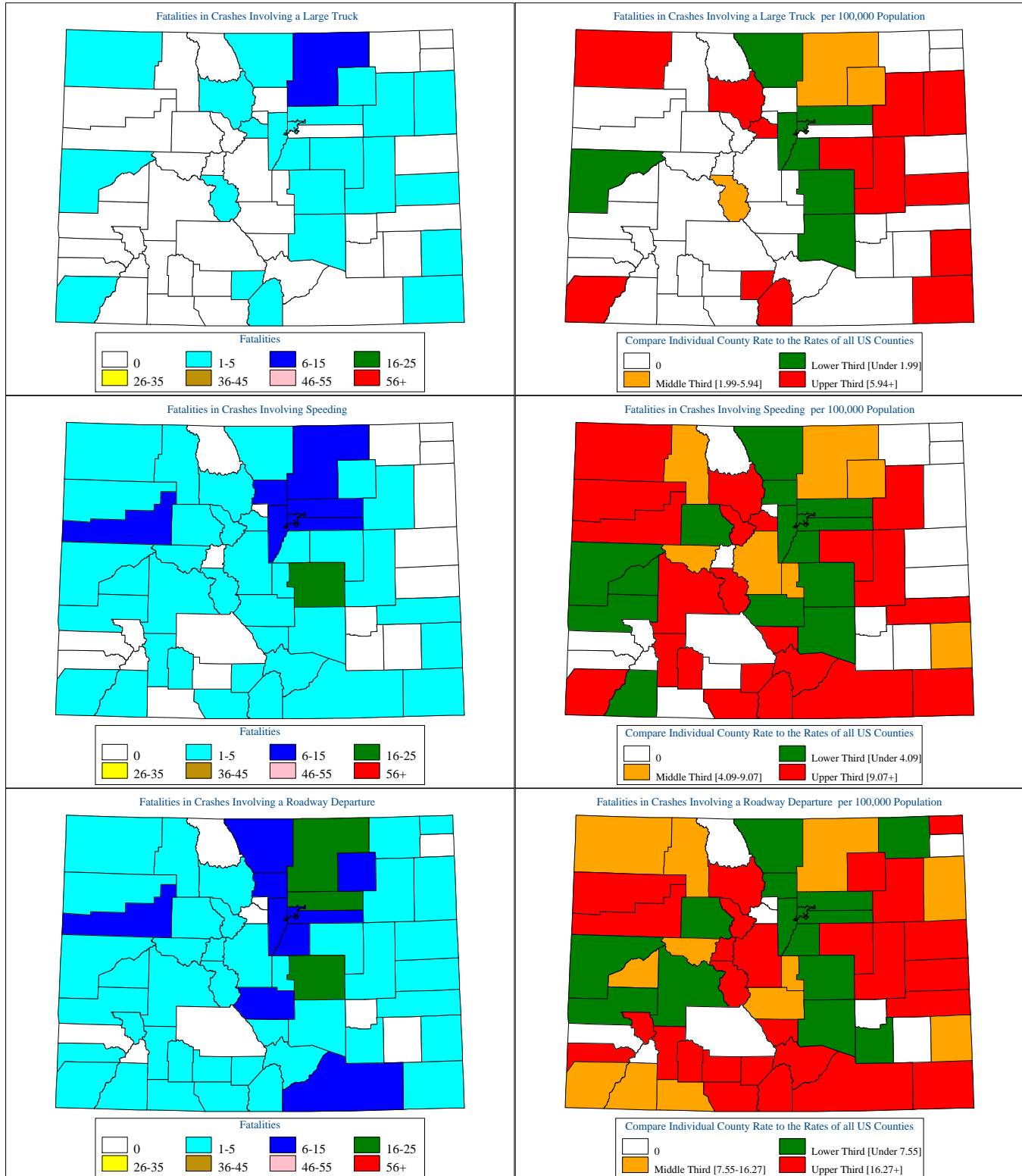
Colorado Motor Vehicle Crash Fatality Maps for 2010



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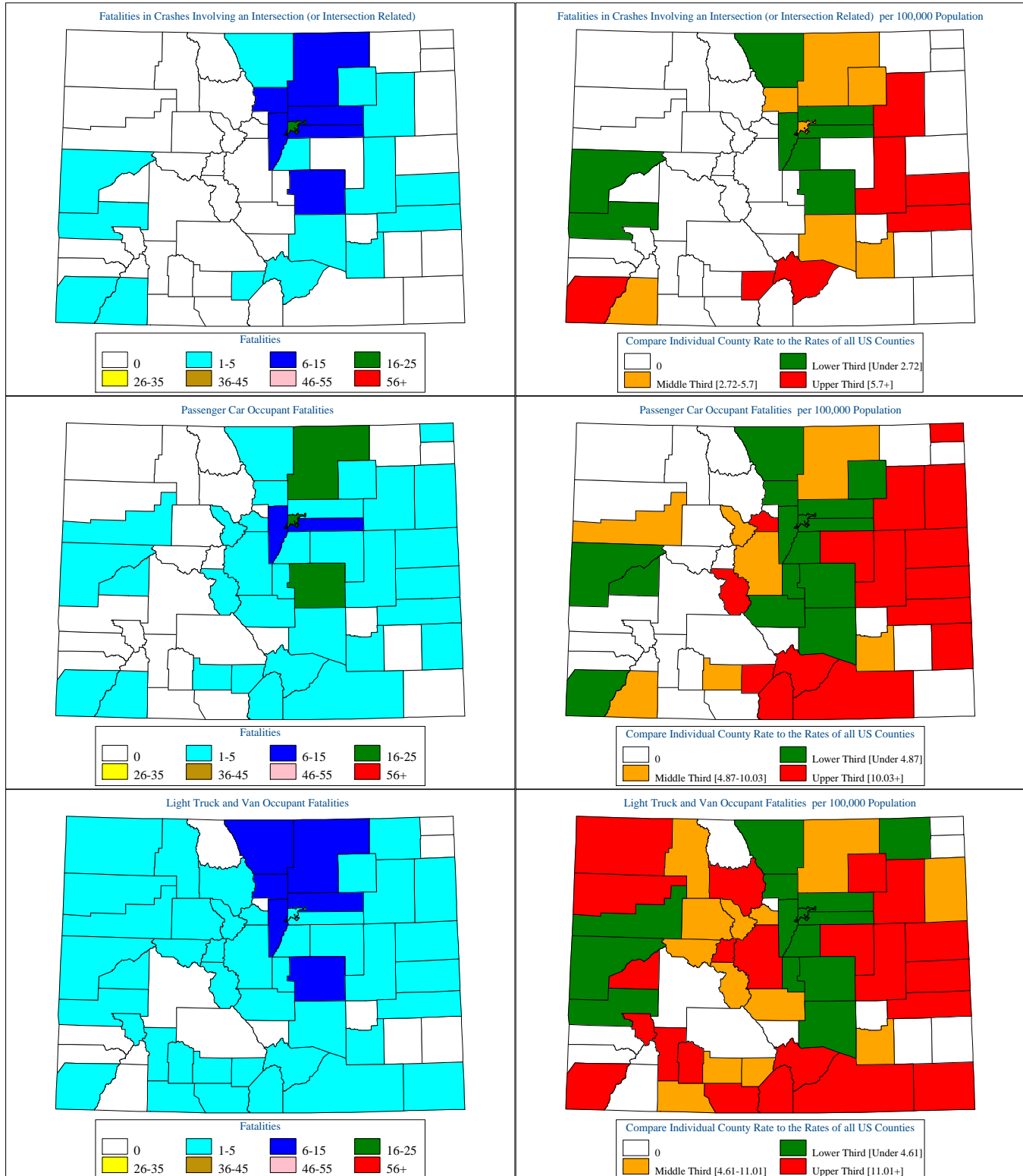
Colorado Motor Vehicle Crash Fatality Maps for 2010



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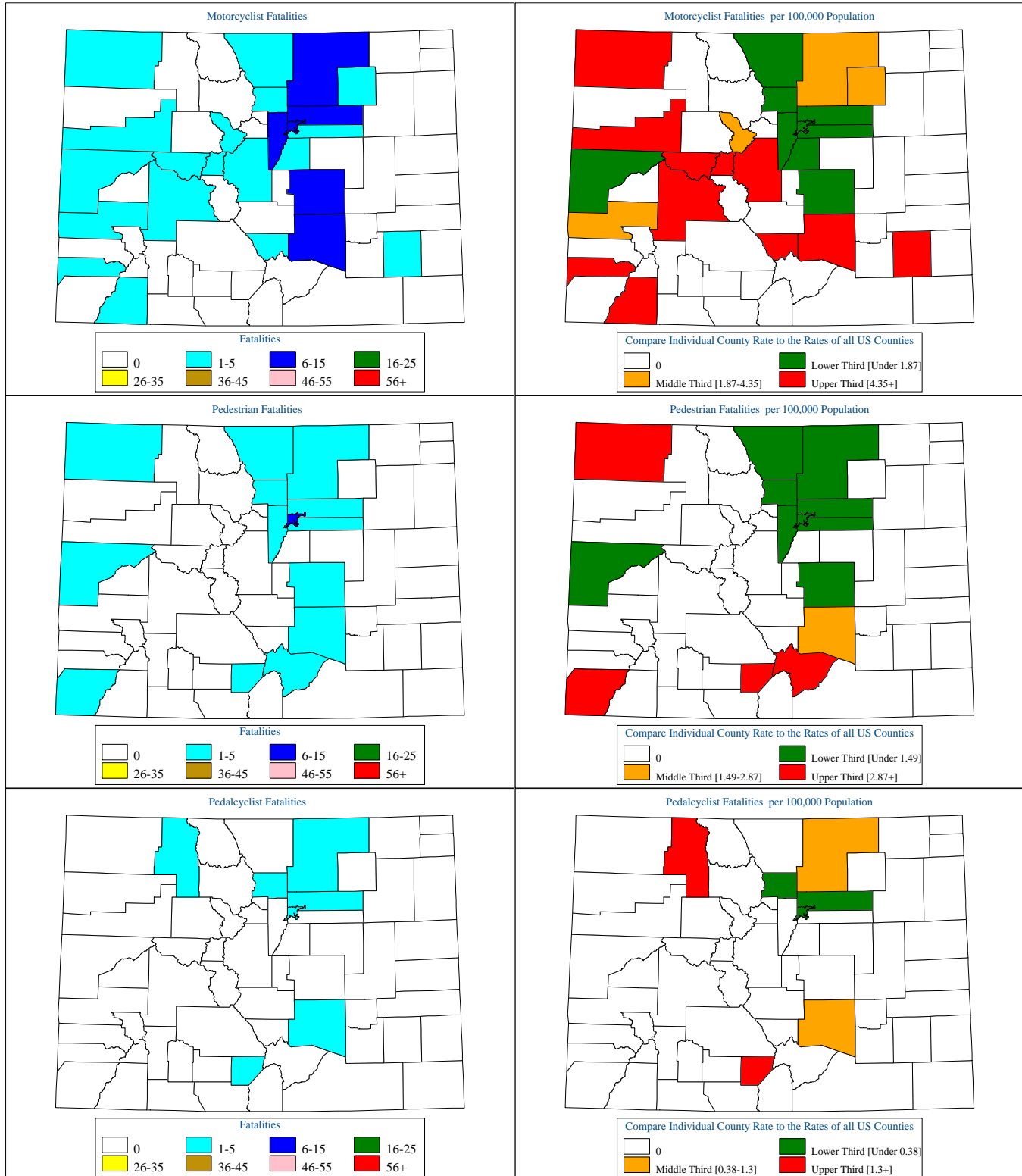
Colorado Motor Vehicle Crash Fatality Maps for 2010



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Colorado Motor Vehicle Crash Fatality Maps for 2010



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