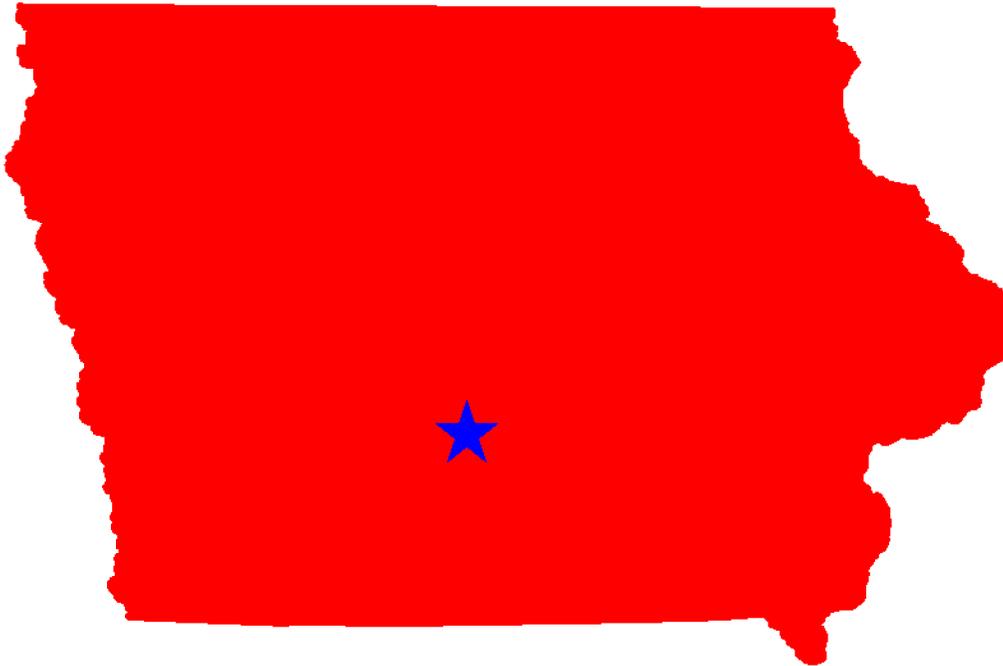




Traffic Safety Facts Iowa 2003-2007



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2003-2006 Final File and 2007 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Iowa 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 Iowa *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Total Traffic Fatalities		443	388	450	439	445
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.42	1.23	1.45	1.40	
	Rural	1.73	1.60	2.11	1.80	
	Urban	0.92	0.66	0.44	0.80	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	349	304	354	329	333
	Restrained	140	128	164	161	151
	Unrestrained	147	137	139	129	153
	Unknown	62	39	51	39	29
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		114	87	94	119	106
Speeding-Related Fatalities		68	31	44	31	38
Motorcyclist Fatalities	Total	51	36	45	57	62
	Helmeted	1	10	16	8	8
	Unhelmeted	47	26	29	49	53
	Unknown	3	0	0	0	1
Drivers Involved in Fatal Crashes	Total	564	545	597	582	577
	Aged Under 15	2	5	1	0	3
	Aged 15-20	88	73	86	77	83
	Aged Under 21	90	78	87	77	86
	Aged 21 and Over	472	467	508	502	489
	Unknown Age	2	0	2	3	2
Pedestrian Fatalities		18	24	24	25	23

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

**2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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

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Fatality Rates: Iowa , 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
2003	Iowa	443	31,108	1.42	2,935,991	15.09
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Iowa	388	31,538	1.23	2,946,009	13.17
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Iowa	450	31,060	1.45	2,955,587	15.23
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Iowa	439	31,355	1.40	2,972,566	14.77
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Iowa	445			2,988,046	14.89
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

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

2007 National VMT is a Preliminary Estimate and Subject to Change

2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash				
			BAC = .01+		BAC = .08+		Per 100 Million VMT
			Number	Percent	Number	Percent	
2003	Iowa	443	145	33	119	27	0.38
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Iowa	388	111	29	92	24	0.29
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Iowa	450	117	26	100	22	0.32
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Iowa	439	145	33	126	29	0.40
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Iowa	445	146	33	114	26	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*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
 2007 National VMT is a Preliminary Estimate and Subject to Change
 2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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

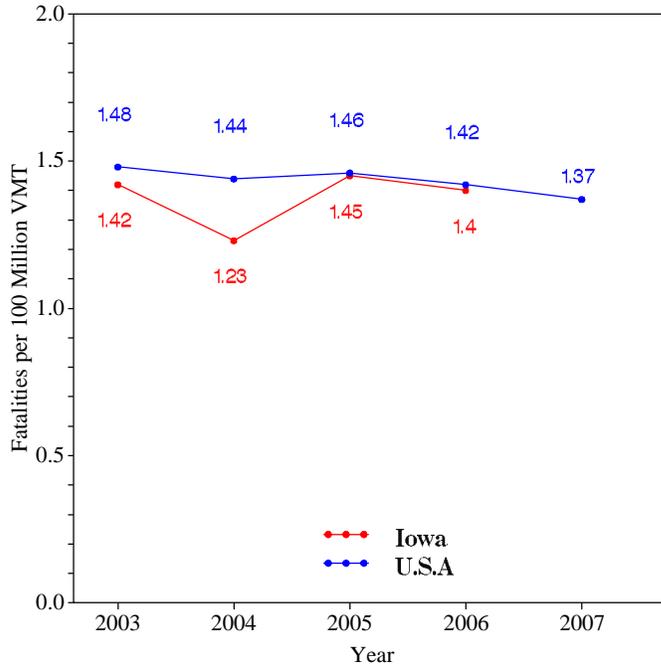
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Iowa	443	114	26	0.37
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Iowa	388	87	22	0.28
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Iowa	450	94	21	0.30
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Iowa	439	119	27	0.38
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Iowa	445	106	24	
	US	41,059	12,998	32	0.43
	Best State*			17	

*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
 2007 National VMT is a Preliminary Estimate and Subject to Change
 2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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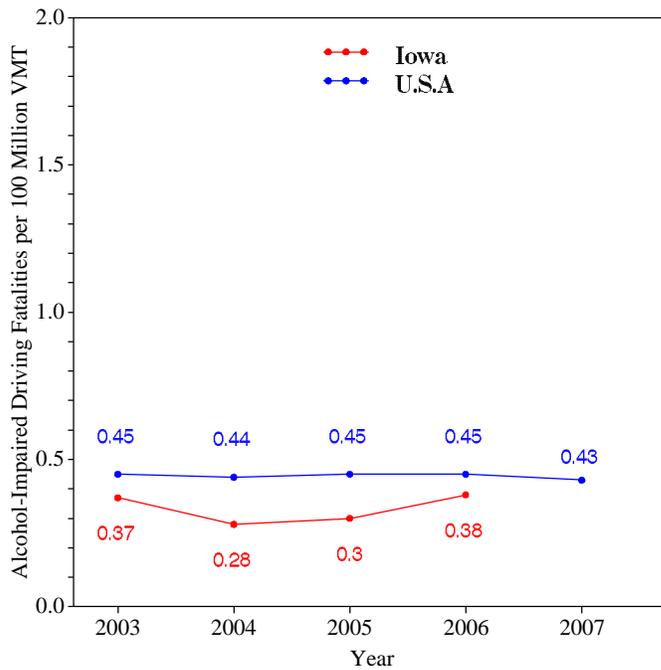


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



2007 National VMT is a Preliminary Estimate and Subject to Change
2007 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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**Blood Alcohol Concentration (BAC) Reporting Rates
For Drivers/Motorcycle Riders (Operators)
Involved in Fatal Crashes:
Iowa , 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
2003	Iowa	262	89	34	302	125	41	564	214	38
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Iowa	290	95	33	255	86	34	545	181	33
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Iowa	291	100	34	306	114	37	597	214	36
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Iowa	268	79	29	314	107	34	582	186	32
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Iowa	285	97	34	292	107	37	577	204	35
	US	29,201	6,765	23	26,480	16,991	64	55,681	23,756	43
	Best State*			82			96			84

*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 Iowa , U.S. and Best State

Table with 4 columns: Year, Category (Iowa, US, Best State*), Fatalities - Restrained** (Percent), and Observed - Restrained*** (Percent). Rows are grouped by year from 2003 to 2007.

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

**Percent Based Only Where Restraint Use Was Known

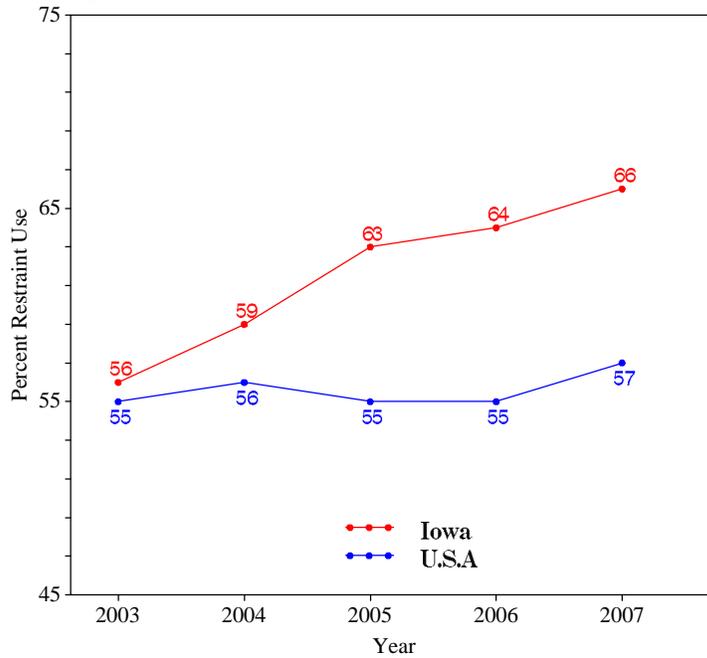
***USA Data: National Occupant Protection Use Survey. Iowa Data: State Survey

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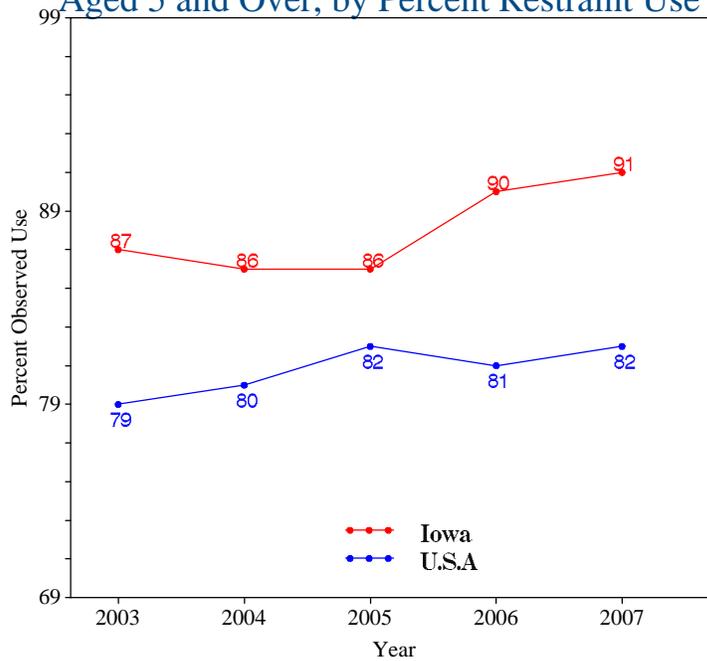
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Iowa Data: State Survey

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Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	344	137	146	61	48	173	48
2004	300	126	136	38	48	158	45
2005	347	161	139	47	54	210	52
2006	322	156	127	39	55	197	47
2007	326	145	152	29	49	184	42

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

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Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Fatalities Aged Under 5					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	4	3	1	0	75	1	1
2004	4	2	1	1	67	4	1
2005	5	2	0	3	100	5	1
2006	7	5	2	0	71	6	1
2007	6	5	1	0	83	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 Helmet*	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	51	1	47	3	2	1	19
2004	36	10	26	0	28	6	10
2005	45	16	29	0	36	10	10
2006	57	8	49	0	14	5	18
2007	62	8	53	1	13	5	20

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates

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Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	205	46	189	49	222	49	213	49	177	40
	Light Truck - Pickup	84	19	56	14	56	12	58	13	63	14
	Light Truck - Utility	36	8	34	9	50	11	38	9	52	12
	Light Truck - Van	24	5	25	6	26	6	19	4	41	9
	Light Truck - Other	0	0	0	0	0	0	1	0	0	0
	Large Truck	8	2	8	2	6	1	12	3	12	3
	Other/Unknown Occupants	11	2	8	2	9	2	9	2	7	2
	Total Occupants	368	83	320	82	369	82	350	80	352	79
Motorcyclists	Total Motorcyclists	51	12	36	9	45	10	57	13	62	14
Nonoccupants	Pedestrian	18	4	24	6	24	5	25	6	23	5
	Bicyclist and Other Cyclist	3	1	7	2	11	2	5	1	7	2
	Other/Unknown Nonoccupants	3	1	1	0	1	0	2	0	1	0
	Total Nonoccupants	24	5	32	8	36	8	32	7	31	7
Total	Total	443	100	388	100	450	100	439	100	445	100

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

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Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)*	443	388	450	439	445
- (1) Single Vehicle	239	182	227	226	248
- (2) Involving a Large Truck	77	70	73	75	71
- (3) Involving Speeding	68	31	44	31	38
- (4) Involving a Rollover	126	104	126	115	129
- (5) Involving a Roadway Departure	278	221	285	267	276
- (6) Involving an Intersection (or Intersection Related)	109	105	98	111	104

(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	
2003	2	13	11	18	6	1	51
2004	4	10	5	11	5	1	36
2005	2	7	8	13	10	5	45
2006	3	13	13	18	8	2	57
2007	2	12	13	13	17	5	62

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	51	140,000	36.43
2004	36	140,000	25.71
2005	45	146,362	30.75
2006	57	161,106	35.38
2007	62		

*Data Source: FHWA

*2007 Motorcycle Registrations are Not Yet Available

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Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2003	2004	2005	2006
Occupants (All Vehicle Types)	Hispanic	25	9	17	7
	White Non-Hispanic	376	332	388	384
	Black, Non-Hispanic	11	13	5	13
	American Indian, Non-Hispanic/Unknown	0	1	1	0
	Asian, Non-Hispanic/Unknown	4	1	0	1
	All Other Non-Hispanic or Race	0	0	0	2
	Unknown Race and Unknown Hispanic	3	0	3	0
	Total	419	356	414	407
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	1	0	0	4
	White Non-Hispanic	23	30	36	28
	Black, Non-Hispanic	0	2	0	0
	American Indian, Non-Hispanic/Unknown	0	0	0	0
	Asian, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	0	0	0	0
	Unknown Race and Unknown Hispanic	0	0	0	0
Total	24	32	36	32	
Total	443	388	450	439	

2007 Race/Hispanic Origin Data is Not Yet Complete

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5 Year Trend For The Top 10 Counties of 2007 - Fatalities

Counties by 2007 Ranking		Fatalities					Percent of Total				
		2003	2004	2005	2006	2007	2003	2004	2005	2006	2007
1	Polk County	36	38	25	38	32	8	10	6	9	7
2	Scott County	12	15	16	16	18	3	4	4	4	4
3	Linn County	16	17	13	20	16	4	4	3	5	4
4	Webster County	4	3	6	3	16	1	1	1	1	4
5	Boone County	2	3	6	10	13	0	1	1	2	3
6	Pottawattamie County	19	8	19	13	13	4	2	4	3	3
7	Plymouth County	4	7	2	0	12	1	2	0	0	3
8	Story County	7	5	7	6	12	2	1	2	1	3
9	Clinton County	6	6	9	4	11	1	2	2	1	2
10	Johnson County	11	7	14	8	11	2	2	3	2	2
Sub Total 1.*	Top Ten Counties	162	143	157	145	154	37	37	35	33	35
Sub Total 2.**	All Other Counties	280	245	292	294	291	63	63	65	67	65
Total	All Counties	442	388	449	439	445	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 2007 - Fatalities Year to Year Percent Change

Counties by 2007 Ranking		Fatalities					Percent Change From Previous Year			
		2003	2004	2005	2006	2007	2004	2005	2006	2007
1	Polk County	36	38	25	38	32	6	-34	52	-16
2	Scott County	12	15	16	16	18	25	7	0	13
3	Linn County	16	17	13	20	16	6	-24	54	-20
4	Webster County	4	3	6	3	16	-25	100	-50	433
5	Boone County	2	3	6	10	13	50	100	67	30
6	Pottawattamie County	19	8	19	13	13	-58	138	-32	0
7	Plymouth County	4	7	2	0	12	75	-71	-100	0
8	Story County	7	5	7	6	12	-29	40	-14	100
9	Clinton County	6	6	9	4	11	0	50	-56	175
10	Johnson County	11	7	14	8	11	-36	100	-43	38
Sub Total 1.* <i>Top Ten Counties</i>		162	143	157	145	154	-12	10	-8	6
Sub Total 2.** <i>All Other Counties</i>		280	245	292	294	291	-13	19	1	-1
Total <i>All Counties</i>		442	388	449	439	445	-12	16	-2	1

*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 2007 - Fatality Rates

Median Rate for all U.S. Counties: 21.77

Counties by 2007 Ranking		Fatalities Per 100,000 Population				
		2003	2004	2005	2006	2007
1	Sac County	0.00	27.94	37.90	28.41	77.03
2	Davis County	23.53	35.03	11.74	0.00	58.33
3	Boone County	7.65	11.42	22.76	37.99	49.26
4	Plymouth County	16.25	28.31	8.13	0.00	49.23
5	Keokuk County	71.38	27.05	27.49	37.02	46.43
6	Wright County	21.98	0.00	7.46	30.32	45.93
7	Tama County	5.60	44.55	39.03	5.60	44.81
8	Iowa County	31.55	25.28	56.46	18.75	43.99
9	Palo Alto County	20.67	10.34	20.84	21.08	42.36
10	Clay County	11.79	5.91	17.87	29.87	41.94
	Sub Rate 1.* <i>Top Ten Counties</i>	66.76	43.78	51.67	52.72	48.87
	Sub Rate 2.** <i>All Other Counties</i>	13.34	11.99	13.67	13.26	13.05
	Total Rate <i>All Counties</i>	15.05	13.17	15.19	14.77	14.89

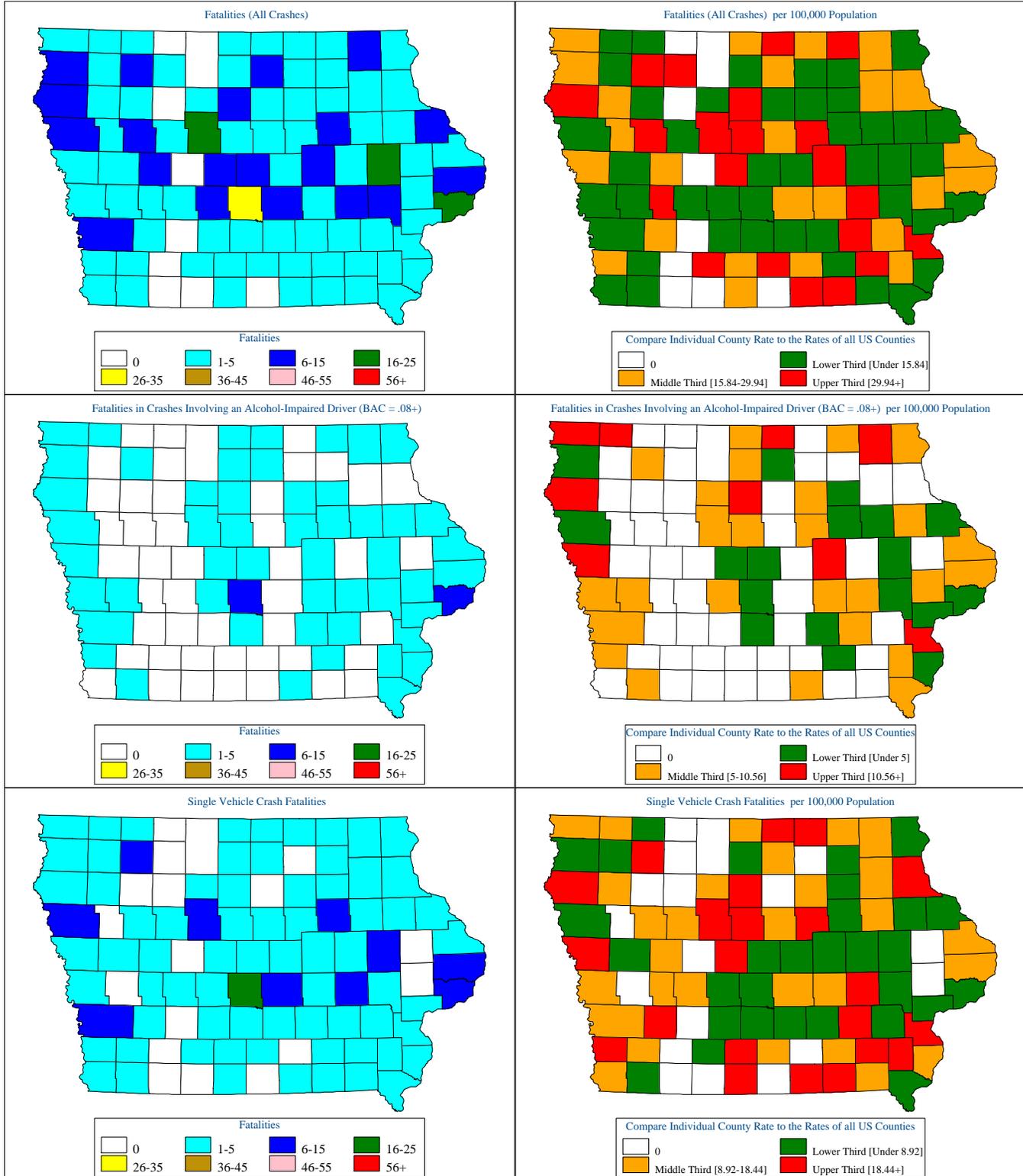
*This Sub Rate is the Rate for the Top Ten Counties

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

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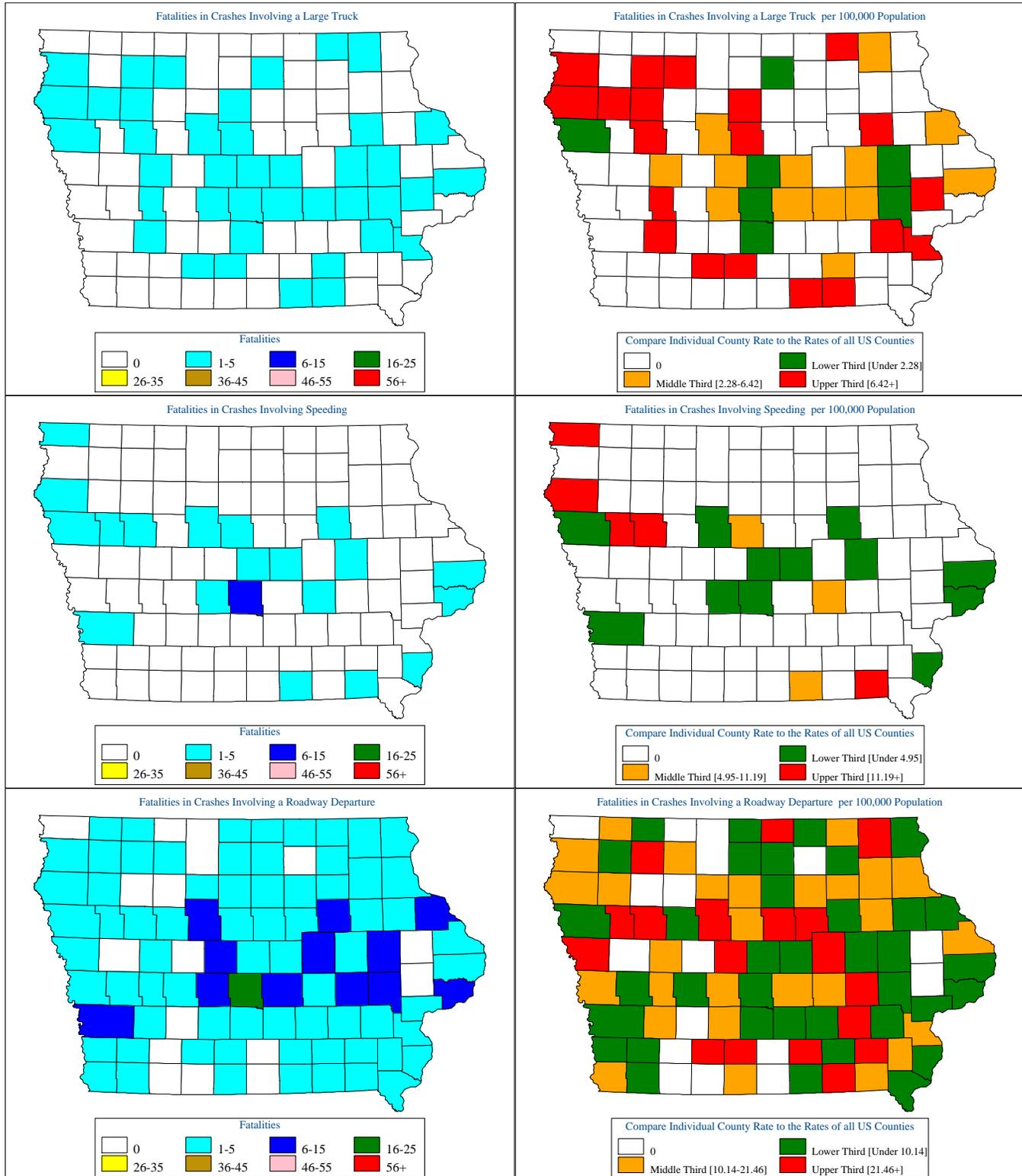
Iowa Motor Vehicle Crash Fatality Maps for 2007



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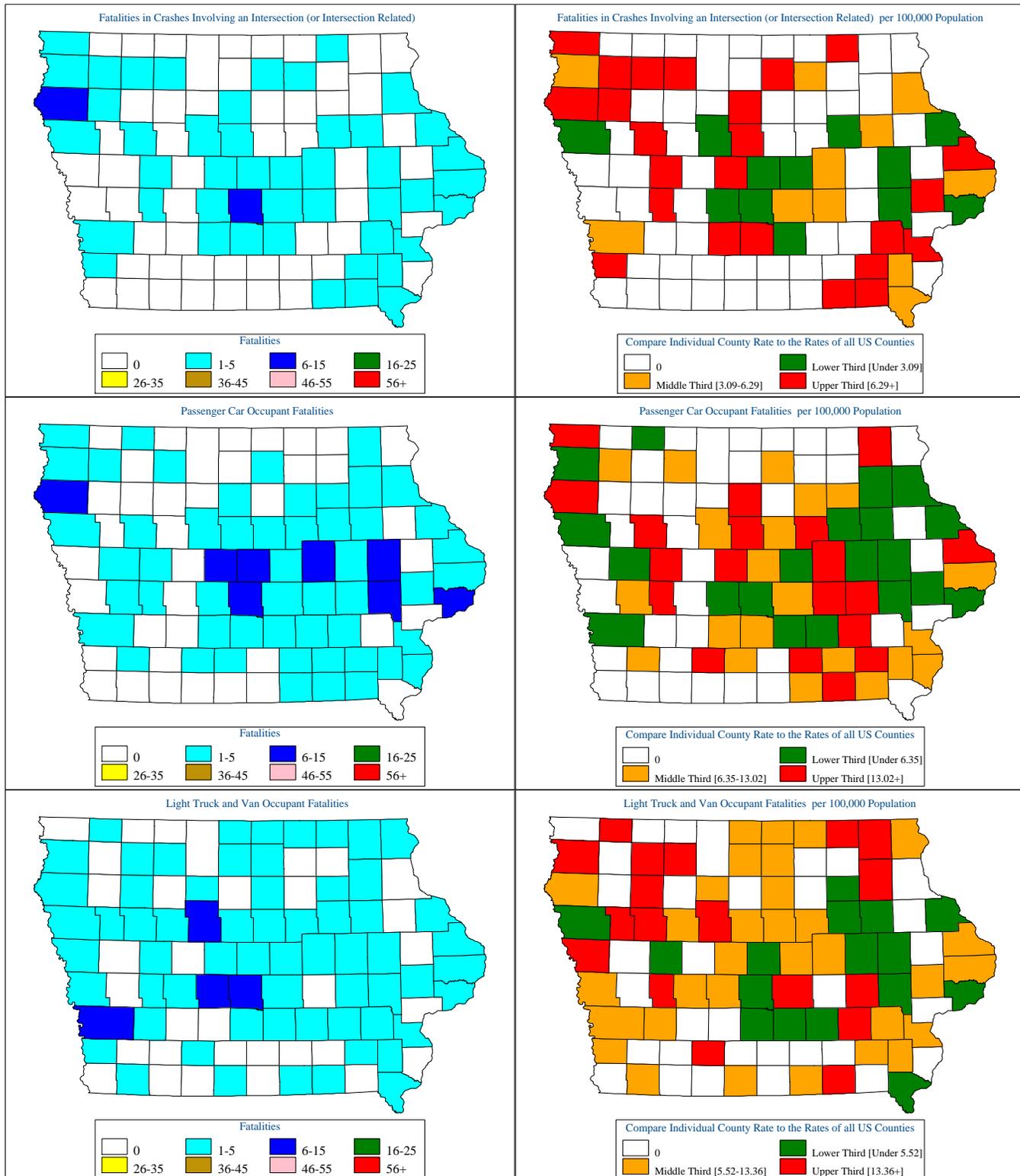
Iowa Motor Vehicle Crash Fatality Maps for 2007



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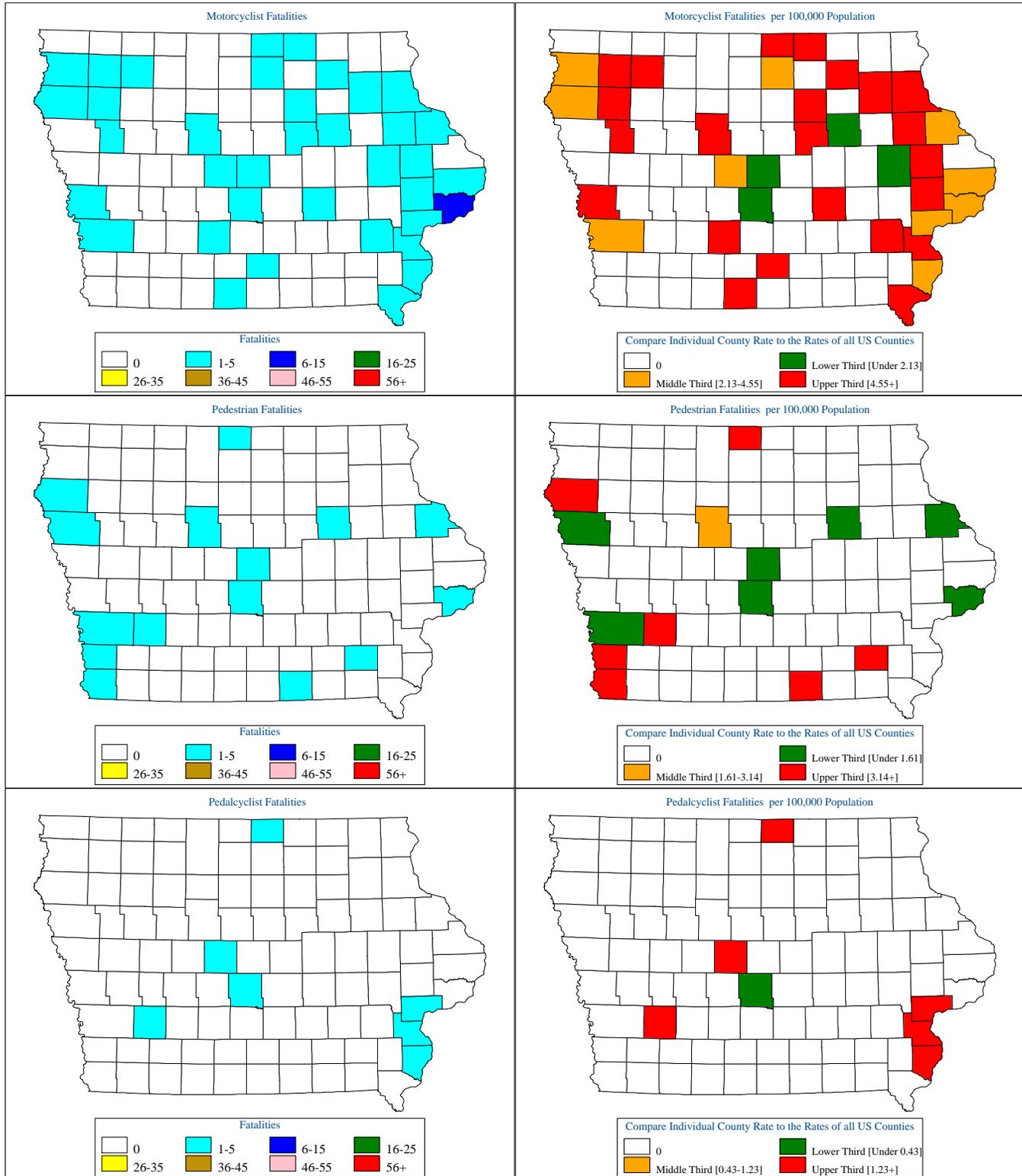
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