



Traffic Safety Facts Kansas 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 Kansas 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 Kansas *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Total Traffic Fatalities		469	459	428	468	416
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.64	1.57	1.44	1.55	
	Rural	2.28	2.43	2.35	2.56	
	Urban	0.91	0.65	0.61	0.64	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	392	388	342	350	330
	Restrained	117	136	103	138	131
	Unrestrained	251	226	211	200	178
	Unknown	24	26	28	12	21
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		166	113	101	125	114
Speeding-Related Fatalities		144	123	119	128	112
Motorcyclist Fatalities	Total	31	30	35	64	48
	Helmeted	11	8	7	19	13
	Unhelmeted	19	20	24	43	34
	Unknown	1	2	4	2	1
Drivers Involved in Fatal Crashes	Total	646	617	576	627	622
	Aged Under 15	0	4	4	5	3
	Aged 15-20	100	93	75	79	85
	Aged Under 21	100	97	79	84	88
	Aged 21 and Over	541	520	492	542	534
	Unknown Age	5	0	5	1	0
Pedestrian Fatalities		25	21	24	23	20

*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: Kansas , 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	Kansas	469	28,672	1.64	2,721,824	17.23
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Kansas	459	29,150	1.57	2,730,828	16.81
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Kansas	428	29,621	1.44	2,741,665	15.61
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Kansas	468	30,215	1.55	2,755,817	16.98
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Kansas	416			2,775,997	14.99
	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**:
 Kansas , 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	Kansas	469	199	42	172	37	0.60
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Kansas	459	139	30	115	25	0.39
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Kansas	428	142	33	107	25	0.36
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Kansas	468	160	34	133	28	0.44
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Kansas	416	146	35	119	29	
	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**:
Kansas , 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	Kansas	469	166	35	0.58
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Kansas	459	113	25	0.39
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Kansas	428	101	24	0.34
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Kansas	468	125	27	0.41
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Kansas	416	114	27	
	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

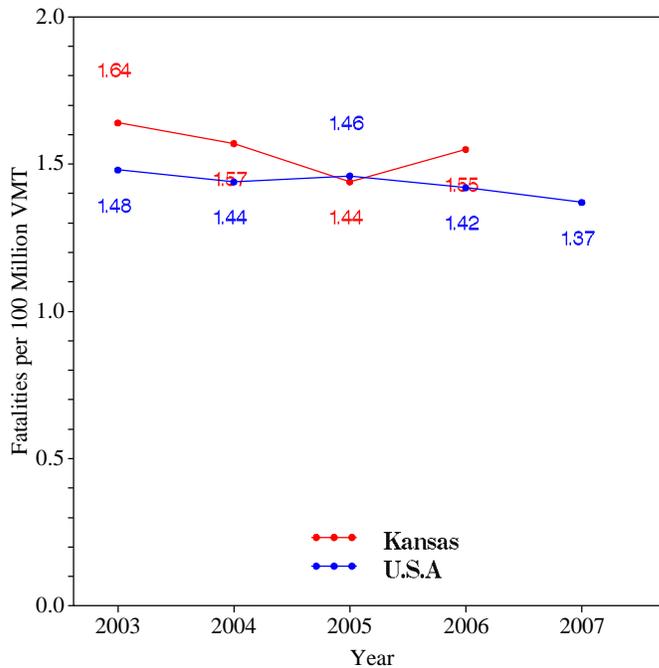
2007 National VMT is a Preliminary Estimate and Subject to Change

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

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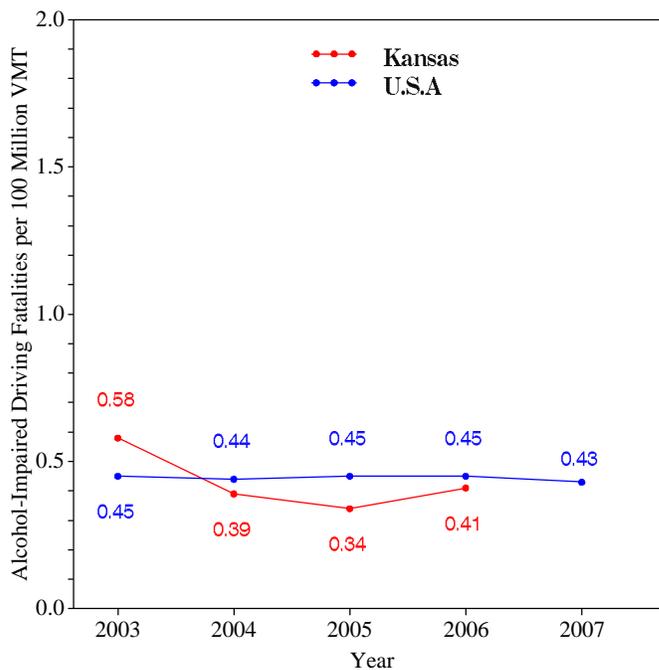


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



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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:
Kansas , 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	Kansas	337	110	33	309	132	43	646	242	37
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Kansas	307	146	48	310	162	52	617	308	50
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Kansas	275	177	64	301	180	60	576	357	62
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Kansas	283	135	48	344	200	58	627	335	53
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Kansas	326	134	41	296	184	62	622	318	51
	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
Kansas , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	Kansas	37	64
	US	55	79
	Best State*	74	95
2004	Kansas	46	68
	US	56	80
	Best State*	82	95
2005	Kansas	38	69
	US	55	82
	Best State*	88	95
2006	Kansas	45	74
	US	55	81
	Best State*	77	96
2007	Kansas	51	75
	US	57	82
	Best State*	81	98

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

**Percent Based Only Where Restraint Use Was Known

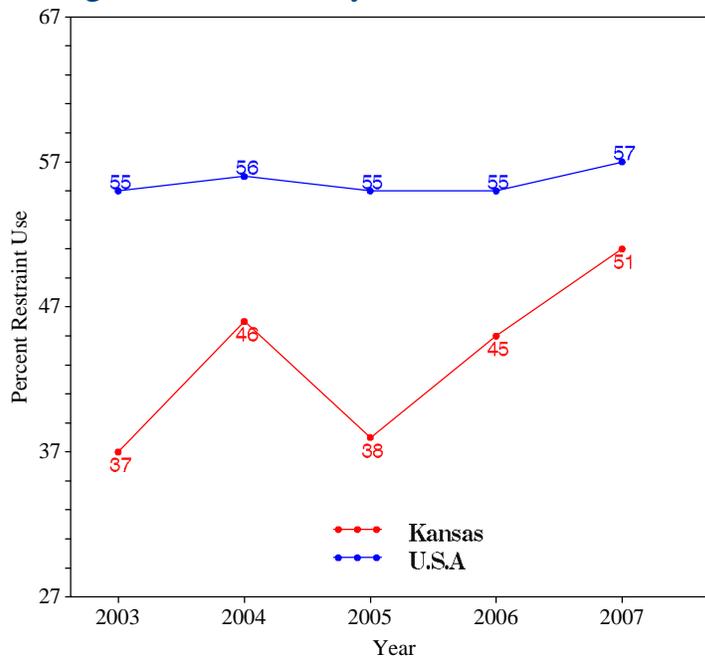
***USA Data: National Occupant Protection Use Survey. Kansas Data: State Survey

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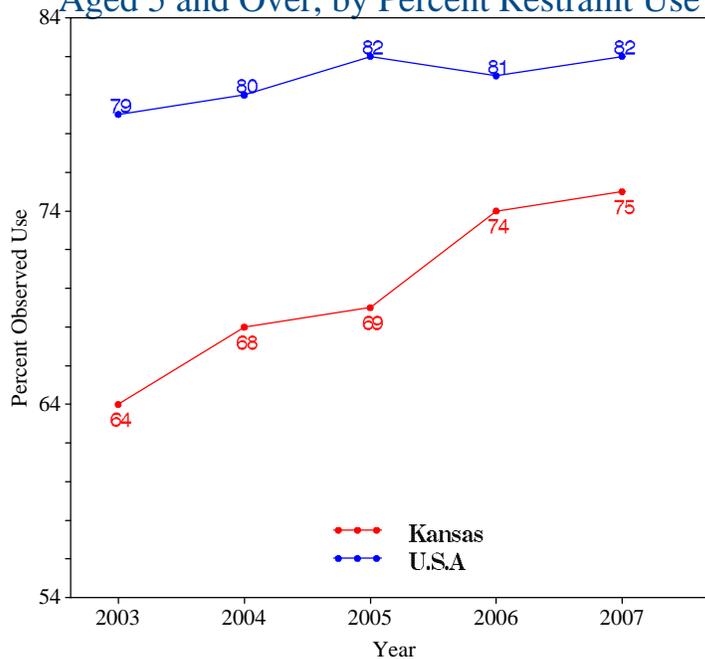
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Kansas 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	386	112	250	24	31	140	113
2004	377	134	218	25	38	173	110
2005	339	101	210	28	32	135	95
2006	346	134	200	12	40	167	93
2007	322	123	178	21	41	160	89

*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	6	5	1	0	83	1	1
2004	11	2	8	1	20	3	5
2005	3	2	1	0	67	2	1
2006	4	4	0	0	100	5	0
2007	8	8	0	0	100	12	

*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	31	11	19	1	37	7	7
2004	30	8	20	2	29	5	8
2005	35	7	24	4	23	5	10
2006	64	19	43	2	31	12	16
2007	48	13	34	1	28	8	13

*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	218	46	200	44	168	39	185	40	162	39
	Light Truck - Pickup	87	19	84	18	96	22	82	18	83	20
	Light Truck - Utility	56	12	52	11	49	11	50	11	53	13
	Light Truck - Van	31	7	52	11	29	7	33	7	32	8
	Large Truck	9	2	11	2	11	3	14	3	14	3
	Bus	1	0	1	0	0	0	2	0	0	0
	Other/Unknown Occupants	6	1	5	1	11	3	9	2	2	0
	<i>Total Occupants</i>	408	87	405	88	364	85	375	80	346	83
Motorcyclists	<i>Total Motorcyclists</i>	31	7	30	7	35	8	64	14	48	12
Nonoccupants	Pedestrian	25	5	21	5	24	6	23	5	20	5
	Bicyclist and Other Cyclist	5	1	3	1	4	1	6	1	2	0
	Other/Unknown Nonoccupants	0	0	0	0	1	0	0	0	0	0
	<i>Total Nonoccupants</i>	30	6	24	5	29	7	29	6	22	5
Total	<i>Total</i>	469	100	459	100	428	100	468	100	416	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)*	469	459	428	468	416
- (1) Single Vehicle	245	217	219	257	210
- (2) Involving a Large Truck	71	94	80	69	77
- (3) Involving Speeding	144	123	119	128	112
- (4) Involving a Rollover	187	177	182	173	166
- (5) Involving a Roadway Departure	294	238	242	281	246
- (6) Involving an Intersection (or Intersection Related)	99	129	120	134	111

(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	1	9	5	9	6	1	31
2004	3	9	3	5	8	2	30
2005	2	7	7	6	10	3	35
2006	4	17	10	14	12	7	64
2007	6	10	9	11	7	5	48

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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	31	56,356	55.01
2004	30	61,678	48.64
2005	35	66,810	52.39
2006	64	72,072	88.80
2007	48		

*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	17	26	27	44
	White Non-Hispanic	380	385	352	375
	Black, Non-Hispanic	26	15	17	16
	American Indian, Non-Hispanic/Unknown	6	5	0	2
	Asian, Non-Hispanic/Unknown	4	2	0	1
	Pacific Islander, Non-Hispanic/Unknown	1	0	0	0
	All Other Non-Hispanic or Race	5	1	2	1
	Unknown Race and Unknown Hispanic	0	1	1	0
	Total	439	435	399	439
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	1	1	3	4
	White Non-Hispanic	22	19	23	22
	Black, Non-Hispanic	2	3	3	2
	American Indian, Non-Hispanic/Unknown	0	0	0	0
	Asian, Non-Hispanic/Unknown	3	1	0	0
	Pacific Islander, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	2	0	0	1
	Unknown Race and Unknown Hispanic	0	0	0	0
Total	30	24	29	29	
Total	469	459	428	468	

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	Sedgwick County	36	47	55	61	39	8	10	13	13	9
2	Johnson County	20	20	21	25	29	4	4	5	5	7
3	Wyandotte County	24	17	14	31	28	5	4	3	7	7
4	Sumner County	9	7	5	5	13	2	2	1	1	3
5	Butler County	12	9	11	17	12	3	2	3	4	3
6	Reno County	16	16	16	10	12	3	3	4	2	3
7	Osage County	6	15	4	2	11	1	3	1	0	3
8	Finney County	6	6	12	5	10	1	1	3	1	2
9	Leavenworth County	10	10	14	7	10	2	2	3	1	2
10	Cherokee County	5	5	5	4	9	1	1	1	1	2
Sub Total 1.*	Top Ten Counties	187	171	176	214	173	40	37	41	46	42
Sub Total 2.**	All Other Counties	282	288	252	254	243	60	63	59	54	58
Total	All Counties	469	459	428	468	416	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	Sedgwick County	36	47	55	61	39	31	17	11	-36
2	Johnson County	20	20	21	25	29	0	5	19	16
3	Wyandotte County	24	17	14	31	28	-29	-18	121	-10
4	Sumner County	9	7	5	5	13	-22	-29	0	160
5	Butler County	12	9	11	17	12	-25	22	55	-29
6	Reno County	16	16	16	10	12	0	0	-38	20
7	Osage County	6	15	4	2	11	150	-73	-50	450
8	Finney County	6	6	12	5	10	0	100	-58	100
9	Leavenworth County	10	10	14	7	10	0	40	-50	43
10	Cherokee County	5	5	5	4	9	0	0	-20	125
Sub Total 1.*	Top Ten Counties	187	171	176	214	173	-9	3	22	-19
Sub Total 2.**	All Other Counties	282	288	252	254	243	2	-13	1	-4
Total	All Counties	469	459	428	468	416	-2	-7	9	-11

*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	Kiowa County	0.00	32.78	66.93	0.00	135.46
2	Gray County	50.27	16.85	102.56	0.00	106.36
3	Clark County	86.81	0.00	90.74	0.00	95.51
4	Lincoln County	0.00	29.75	0.00	0.00	91.32
5	Woodson County	56.24	173.56	57.49	117.92	90.42
6	Washington County	48.63	32.98	16.68	0.00	85.62
7	Rawlins County	0.00	111.44	76.83	77.73	78.19
8	Greeley County	71.48	0.00	0.00	0.00	77.10
9	Hamilton County	37.05	0.00	38.76	0.00	75.99
10	Gove County	243.90	107.03	36.66	147.77	75.84
	Sub Rate 1.* Top Ten Counties	107.10	102.22	90.48	111.78	93.01
	Sub Rate 2.** All Other Counties	16.08	14.84	14.48	15.51	14.07
	Total Rate All Counties	17.23	16.81	15.61	16.98	14.99

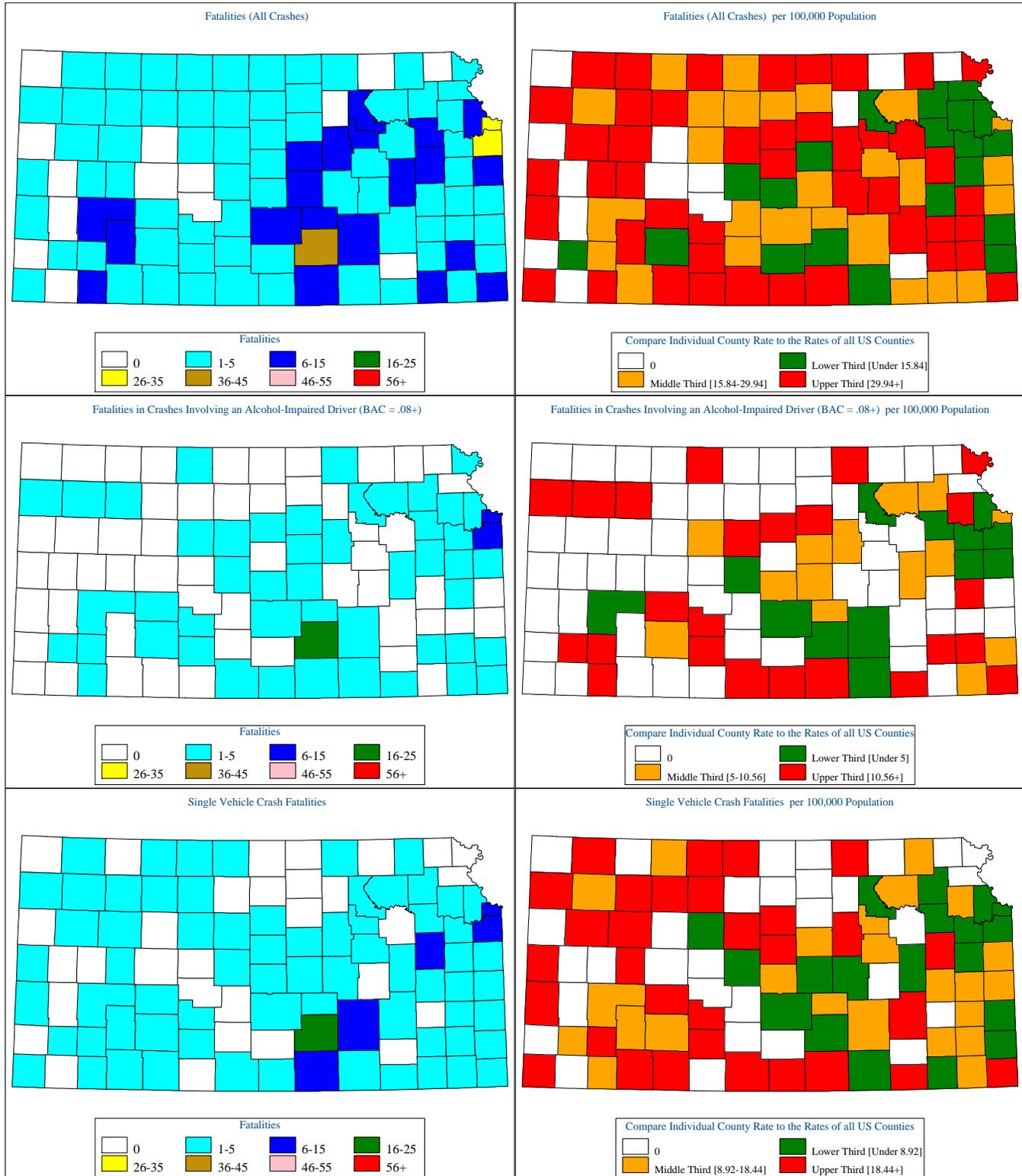
*This Sub Rate is the Rate for the Top Ten Counties

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

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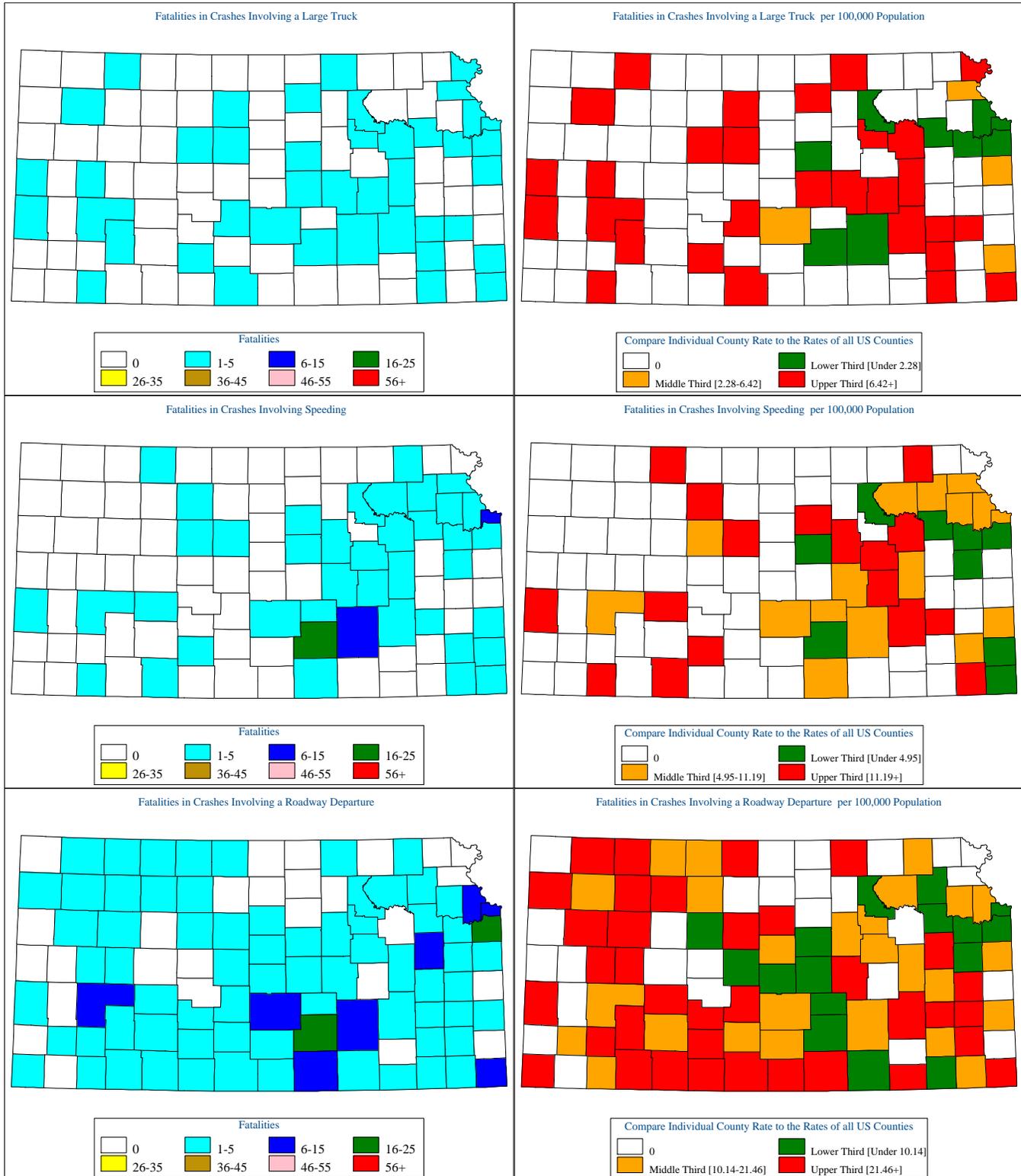
Kansas Motor Vehicle Crash Fatality Maps for 2007



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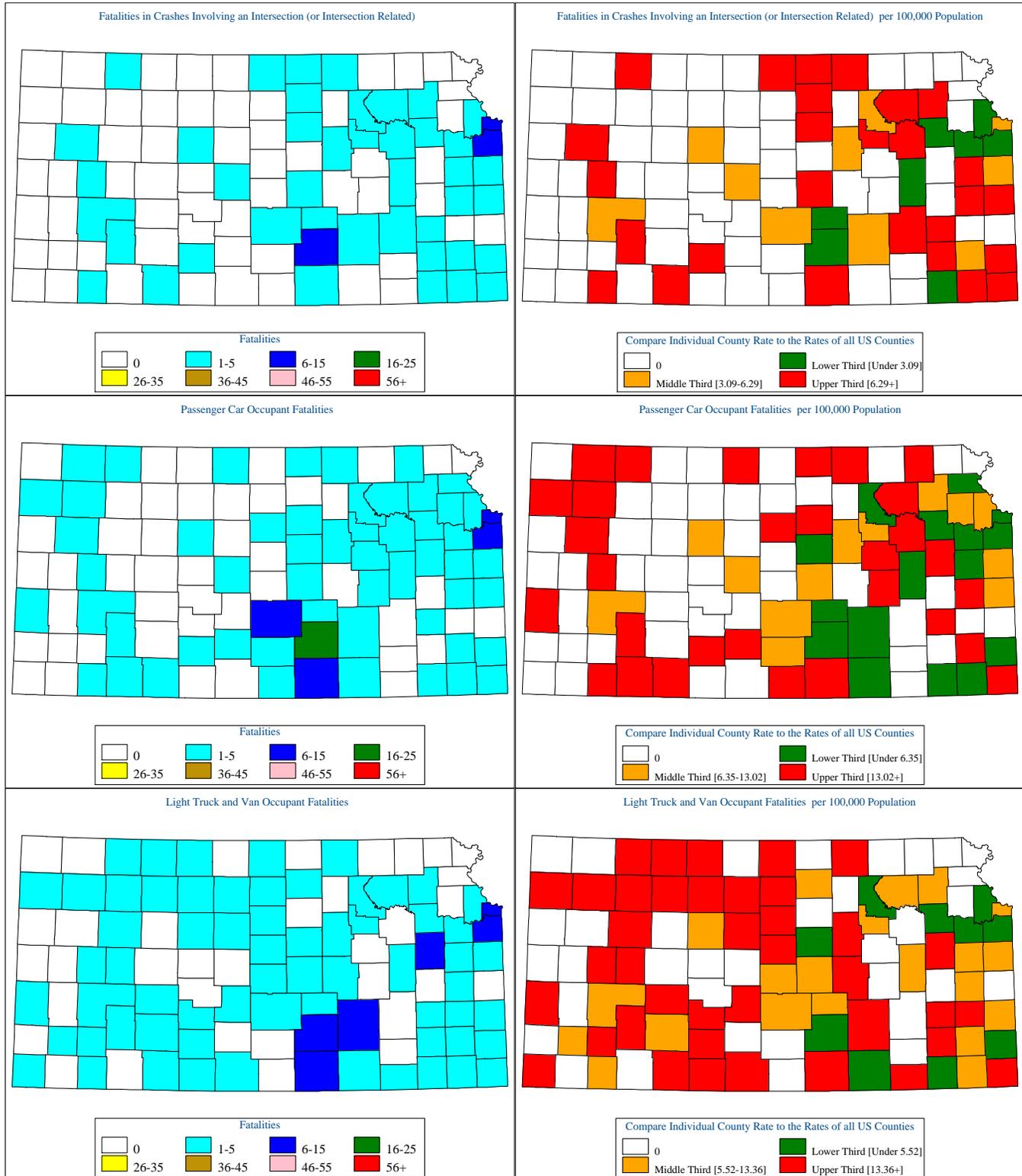
Kansas Motor Vehicle Crash Fatality Maps for 2007



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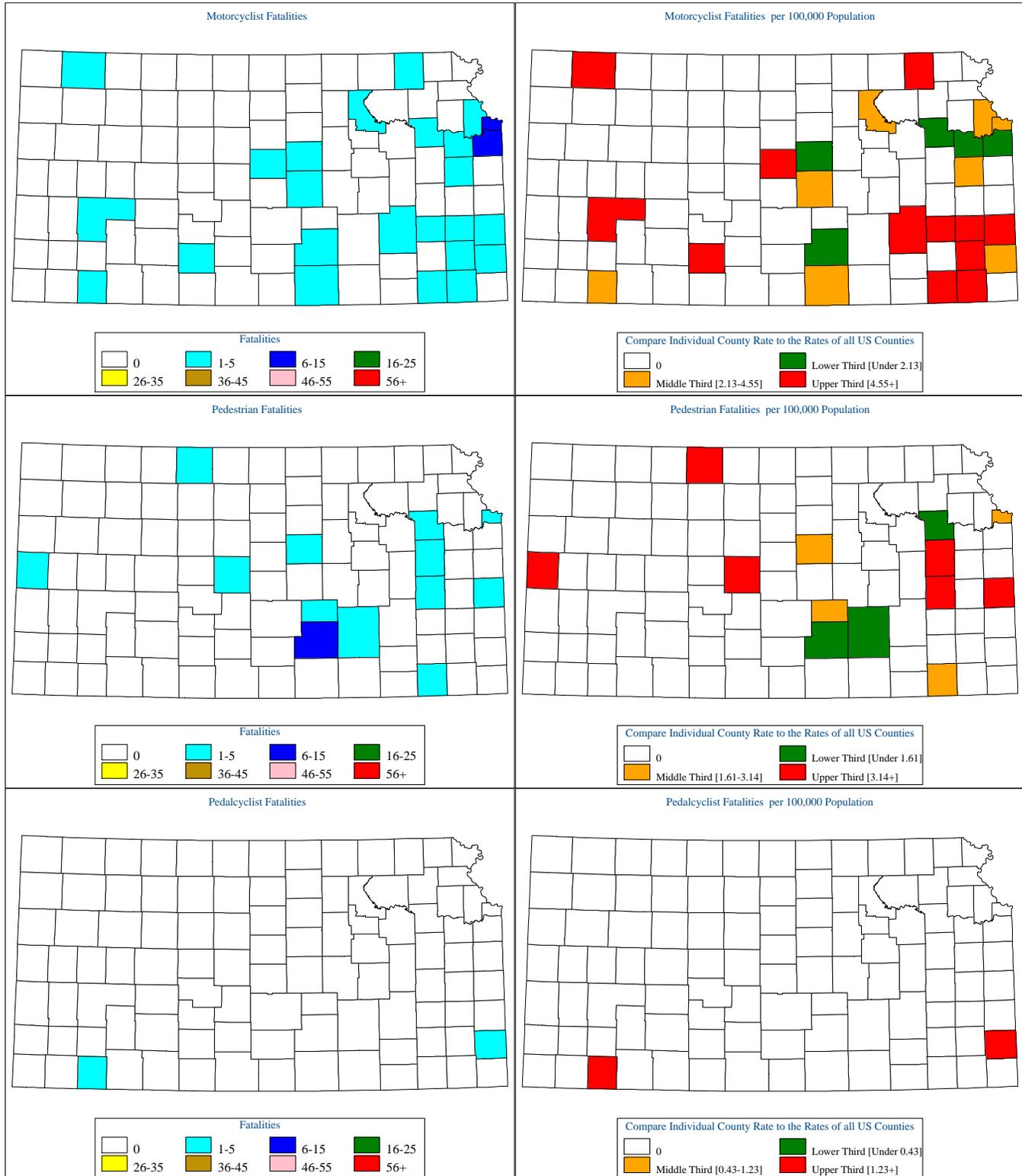
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