



Traffic Safety Facts Kentucky 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 Kentucky 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 Kentucky *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Traffic Fatalities	Total	928	964	985	913	864
	Rural	728	753	738	688	677
	Urban	200	211	247	225	187
	Unknown	0	0	0	0	0
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.99	2.04	2.08	1.91	
	Rural	2.71	2.75	2.70	2.51	
	Urban	1.01	1.06	1.23	1.10	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	760	793	783	703	647
	Restrained	240	265	273	229	265
	Unrestrained	515	527	508	474	382
	Unknown	5	1	2	0	0
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		223	256	249	216	210
Speeding-Related Fatalities		122	196	187	160	132
Motorcyclist Fatalities	Total	58	68	89	98	112
	Helmeted	22	25	31	30	40
	Unhelmeted	35	43	58	68	72
	Unknown	1	0	0	0	0
Drivers Involved in Fatal Crashes	Total	1,287	1,312	1,317	1,263	1,187
	Aged Under 15	2	5	5	4	3
	Aged 15-20	149	176	163	164	135
	Aged Under 21	151	181	168	168	138
	Aged 21 and Over	1,132	1,125	1,141	1,089	1,045
	Unknown Age	4	6	8	6	4
Pedestrian Fatalities		61	48	54	52	44

*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)

**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: Kentucky , 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	Kentucky	928	46,748	1.99	4,114,069	22.56
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Kentucky	964	47,322	2.04	4,139,859	23.29
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Kentucky	985	47,466	2.08	4,171,016	23.62
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Kentucky	913	47,742	1.91	4,204,444	21.72
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Kentucky	864			4,241,474	20.37
	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**:
 Kentucky , 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	Kentucky	928	277	30	242	26	0.52
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Kentucky	964	307	32	269	28	0.57
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Kentucky	985	311	32	268	27	0.56
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Kentucky	913	269	29	231	25	0.48
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Kentucky	864	265	31	224	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**:
Kentucky , U.S. and Best State
(New Definition)

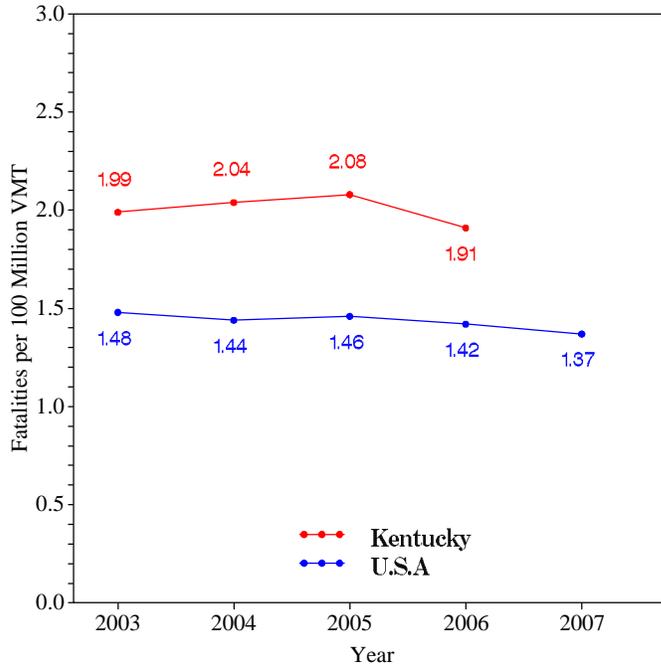
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Kentucky	928	223	24	0.48
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Kentucky	964	256	27	0.54
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Kentucky	985	249	25	0.52
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Kentucky	913	216	24	0.45
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Kentucky	864	210	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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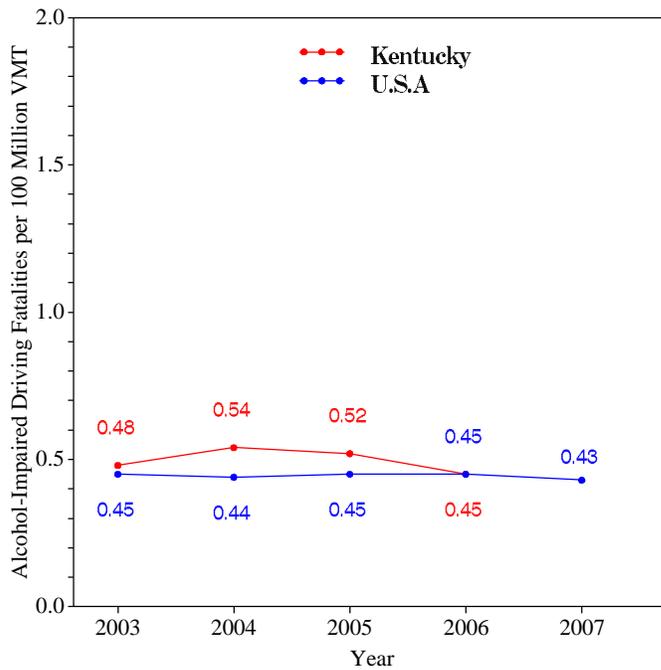


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



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**Blood Alcohol Concentration (BAC) Reporting Rates
For Drivers/Motorcycle Riders (Operators)
Involved in Fatal Crashes:
Kentucky , 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	Kentucky	647	205	32	640	324	51	1,287	529	41
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Kentucky	638	184	29	674	384	57	1,312	568	43
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Kentucky	625	172	28	692	472	68	1,317	644	49
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Kentucky	601	217	36	662	442	67	1,263	659	52
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Kentucky	555	223	40	632	452	72	1,187	675	57
	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
Kentucky , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	Kentucky	41	66
	US	55	79
	Best State*	74	95
2004	Kentucky	38	66
	US	56	80
	Best State*	82	95
2005	Kentucky	40	67
	US	55	82
	Best State*	88	95
2006	Kentucky	38	67
	US	55	81
	Best State*	77	96
2007	Kentucky	50	72
	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

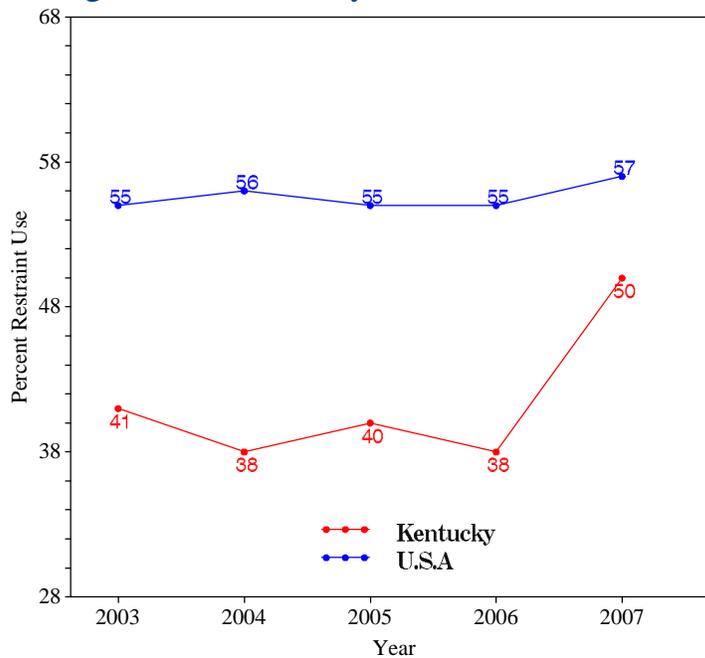
***USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

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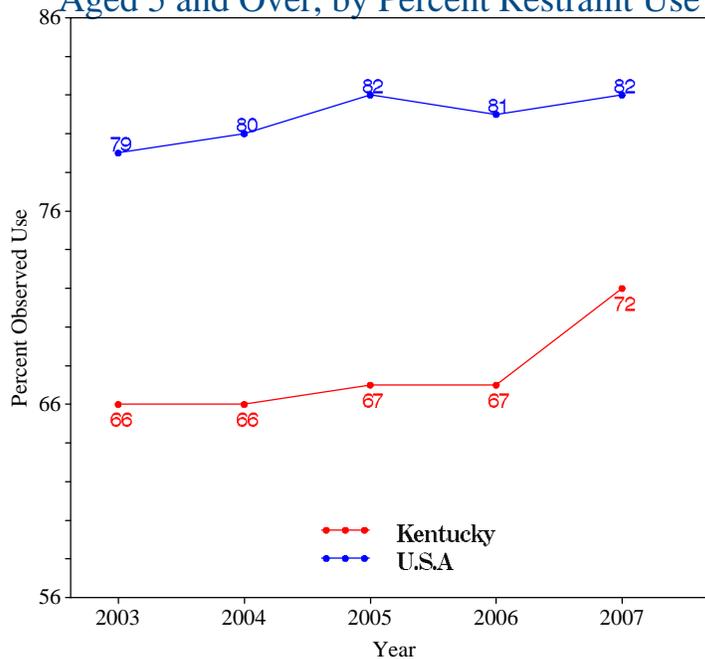
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Kentucky 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	750	232	513	5	31	264	216
2004	784	260	523	1	33	295	222
2005	774	265	507	2	34	304	214
2006	693	223	470	0	32	250	203
2007	639	258	381	0	40	292	186

*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	10	8	2	0	80	3	2
2004	8	5	3	0	63	9	1
2005	9	8	1	0	89	11	1
2006	10	6	4	0	60	6	3
2007	8	7	1	0	88	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	58	22	35	1	39	13	13
2004	68	25	43	0	37	15	16
2005	89	31	58	0	35	19	21
2006	98	30	68	0	31	18	25
2007	112	40	72	0	36	24	27

*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	435	47	474	49	474	48	428	47	383	44
	Light Truck - Pickup	188	20	174	18	178	18	167	18	162	19
	Light Truck - Utility	92	10	104	11	87	9	71	8	74	9
	Light Truck - Van	44	5	41	4	43	4	37	4	28	3
	Light Truck - Other	1	0	0	0	1	0	0	0	0	0
	Large Truck	19	2	27	3	18	2	25	3	21	2
	Bus	0	0	0	0	0	0	0	0	3	0
	Other/Unknown Occupants	22	2	20	2	25	3	27	3	33	4
	Total Occupants	801	86	840	87	826	84	755	83	704	81
Motorcyclists	Total Motorcyclists	58	6	68	7	89	9	98	11	112	13
Nonoccupants	Pedestrian	61	7	48	5	54	5	52	6	44	5
	Bicyclist and Other Cyclist	5	1	7	1	12	1	5	1	3	0
	Other/Unknown Nonoccupants	3	0	1	0	4	0	3	0	1	0
	Total Nonoccupants	69	7	56	6	70	7	60	7	48	6
Total	Total	928	100	964	100	985	100	913	100	864	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)*	928	964	985	913	864
- (1) Single Vehicle	499	511	547	500	510
- (2) Involving a Large Truck	119	124	124	105	104
- (3) Involving Speeding	122	196	187	160	132
- (4) Involving a Rollover	233	289	311	276	269
- (5) Involving a Roadway Departure	651	687	700	641	617
- (6) Involving an Intersection (or Intersection Related)	130	138	156	144	129

(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	6	14	10	15	8	5	58
2004	5	19	13	15	15	1	68
2005	8	20	19	18	16	8	89
2006	6	31	16	15	20	10	98
2007	9	28	24	23	22	6	112

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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	58	50,932	113.9
2004	68	53,478	127.2
2005	89	56,152	158.5
2006	98	58,959	166.2
2007	112		

*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	12	26	14	14
	White Non-Hispanic	804	841	853	801
	Black, Non-Hispanic	41	39	35	35
	American Indian, Non-Hispanic/Unknown	0	1	0	0
	Asian, Non-Hispanic/Unknown	0	0	0	1
	All Other Non-Hispanic or Race	1	1	3	2
	Unknown Race and Unknown Hispanic	1	0	10	0
	Total	859	908	915	853
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	2	1	1	4
	White Non-Hispanic	65	50	61	49
	Black, Non-Hispanic	2	5	7	7
	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	1	0
Total	69	56	70	60	
Total	928	964	985	913	

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	Jefferson County	81	83	102	79	80	9	9	10	9	9
2	Fayette County	30	28	34	23	26	3	3	3	3	3
3	Pike County	29	28	29	33	20	3	3	3	4	2
4	McCracken County	16	12	9	12	19	2	1	1	1	2
5	Hardin County	21	20	17	23	18	2	2	2	3	2
6	Madison County	11	25	21	15	18	1	3	2	2	2
7	Laurel County	18	25	27	17	17	2	3	3	2	2
8	Henderson County	10	7	7	12	16	1	1	1	1	2
9	Pulaski County	23	21	16	15	15	2	2	2	2	2
10	Floyd County	16	24	16	12	14	2	2	2	1	2
Sub Total 1.*	Top Ten Counties	275	297	307	266	243	30	31	31	29	28
Sub Total 2.**	All Other Counties	653	667	678	647	621	70	69	69	71	72
Total	All Counties	928	964	985	913	864	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	Jefferson County	81	83	102	79	80	2	23	-23	1
2	Fayette County	30	28	34	23	26	-7	21	-32	13
3	Pike County	29	28	29	33	20	-3	4	14	-39
4	McCracken County	16	12	9	12	19	-25	-25	33	58
5	Hardin County	21	20	17	23	18	-5	-15	35	-22
6	Madison County	11	25	21	15	18	127	-16	-29	20
7	Laurel County	18	25	27	17	17	39	8	-37	0
8	Henderson County	10	7	7	12	16	-30	0	71	33
9	Pulaski County	23	21	16	15	15	-9	-24	-6	0
10	Floyd County	16	24	16	12	14	50	-33	-25	17
Sub Total 1.* <i>Top Ten Counties</i>		275	297	307	266	243	8	3	-13	-9
Sub Total 2.** <i>All Other Counties</i>		653	667	678	647	621	2	2	-5	-4
Total <i>All Counties</i>		928	964	985	913	864	4	2	-7	-5

*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	Hickman County	58.07	39.48	79.60	0.00	121.51
2	Gallatin County	50.04	50.11	62.14	24.90	112.01
3	Washington County	26.83	8.92	53.23	35.16	86.52
4	Carroll County	67.88	48.51	67.15	0.00	85.49
5	Todd County	42.13	33.95	59.01	16.74	66.42
6	Mason County	47.89	29.80	5.92	5.85	63.99
7	Lawrence County	25.32	18.77	24.78	24.64	61.27
8	Jackson County	66.85	44.71	7.40	14.77	58.88
9	Nicholas County	0.00	14.27	14.36	14.46	58.06
10	Clay County	49.65	37.39	37.57	37.82	54.78
Sub Rate 1.* <i>Top Ten Counties</i>		63.53	64.56	74.01	73.77	70.50
Sub Rate 2.** <i>All Other Counties</i>		21.06	21.70	22.45	20.48	18.85
Total Rate <i>All Counties</i>		22.56	23.29	23.62	21.72	20.37

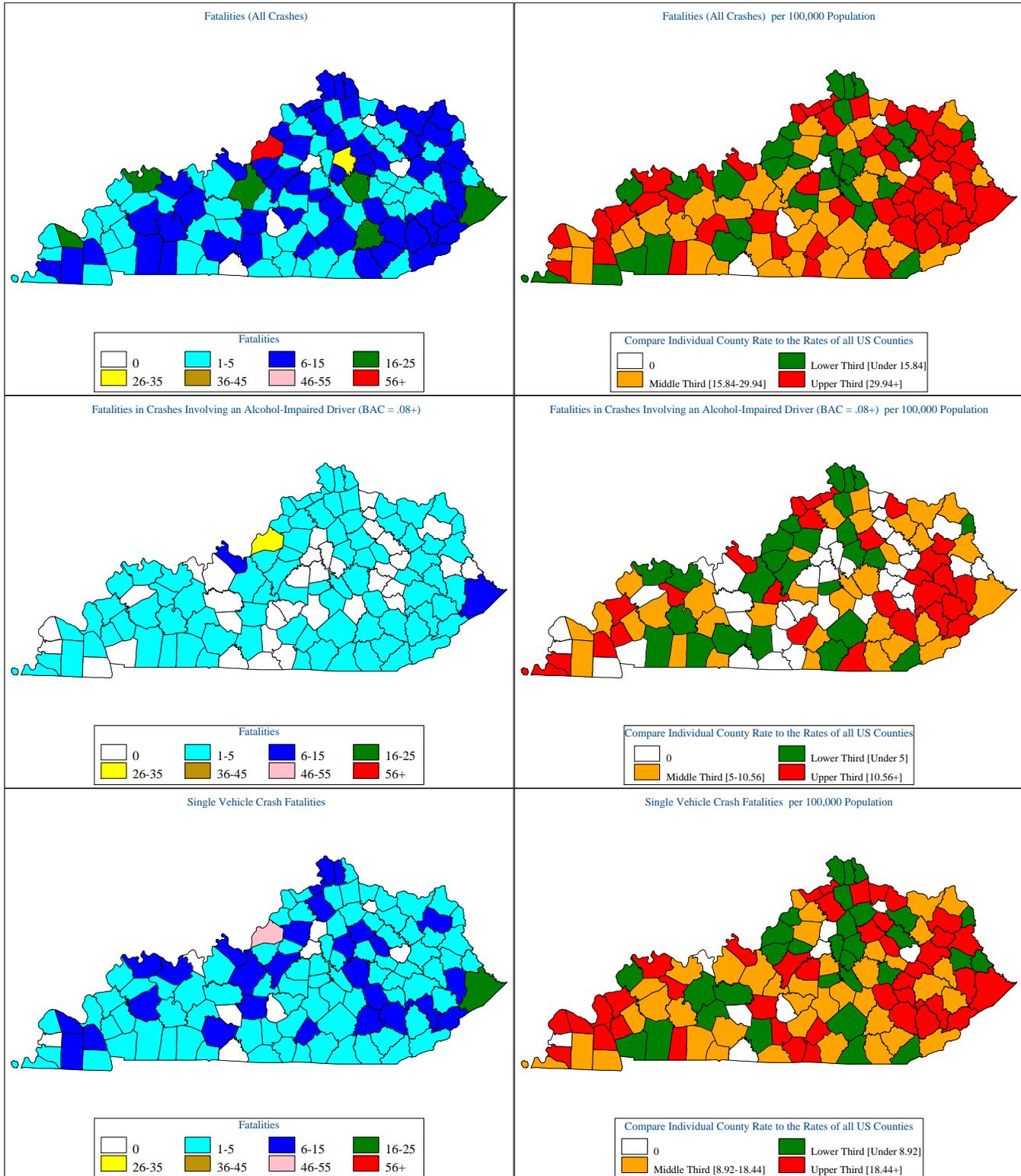
*This Sub Rate is the Rate for the Top Ten Counties

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

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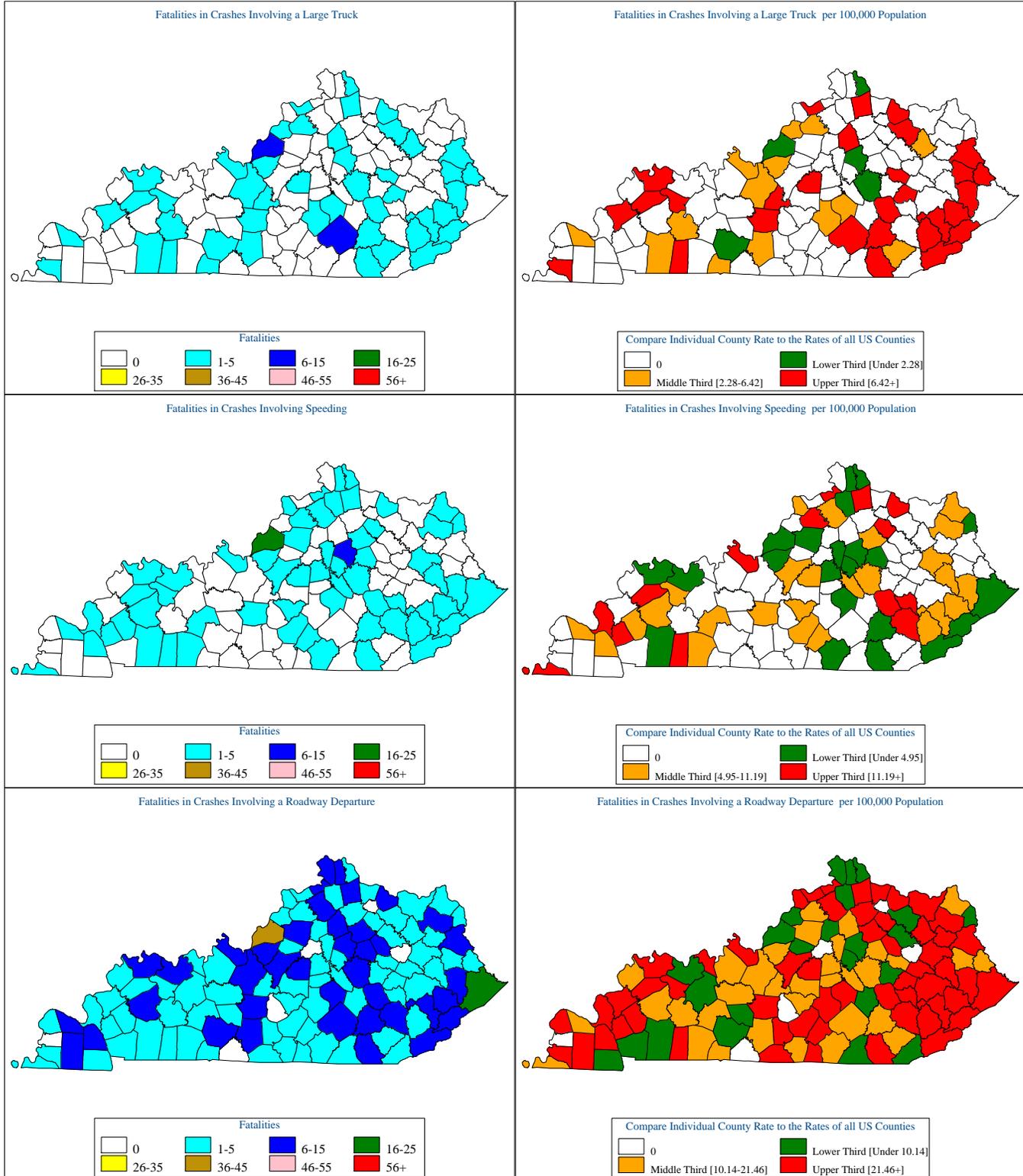
Kentucky Motor Vehicle Crash Fatality Maps for 2007



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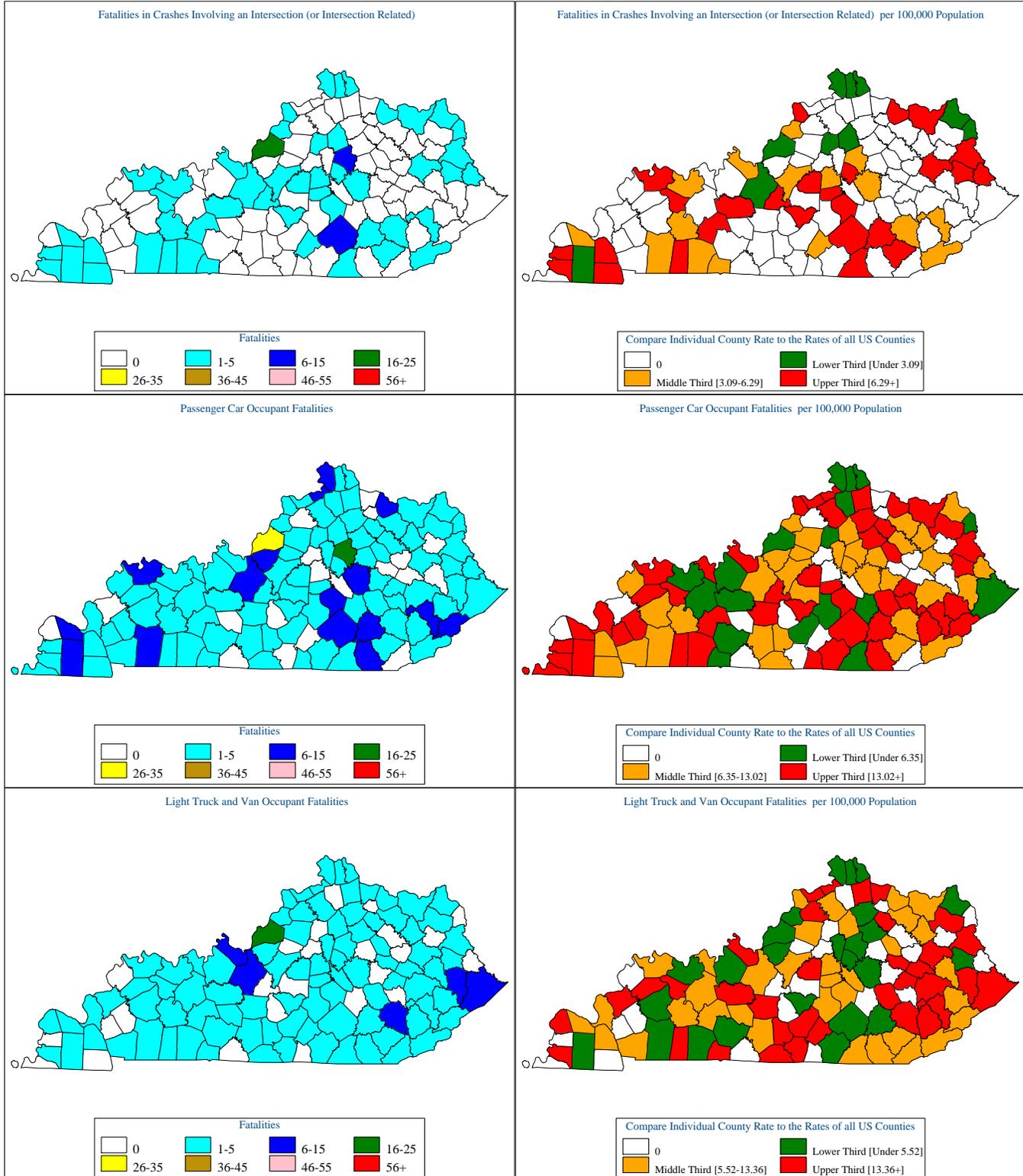
Kentucky Motor Vehicle Crash Fatality Maps for 2007



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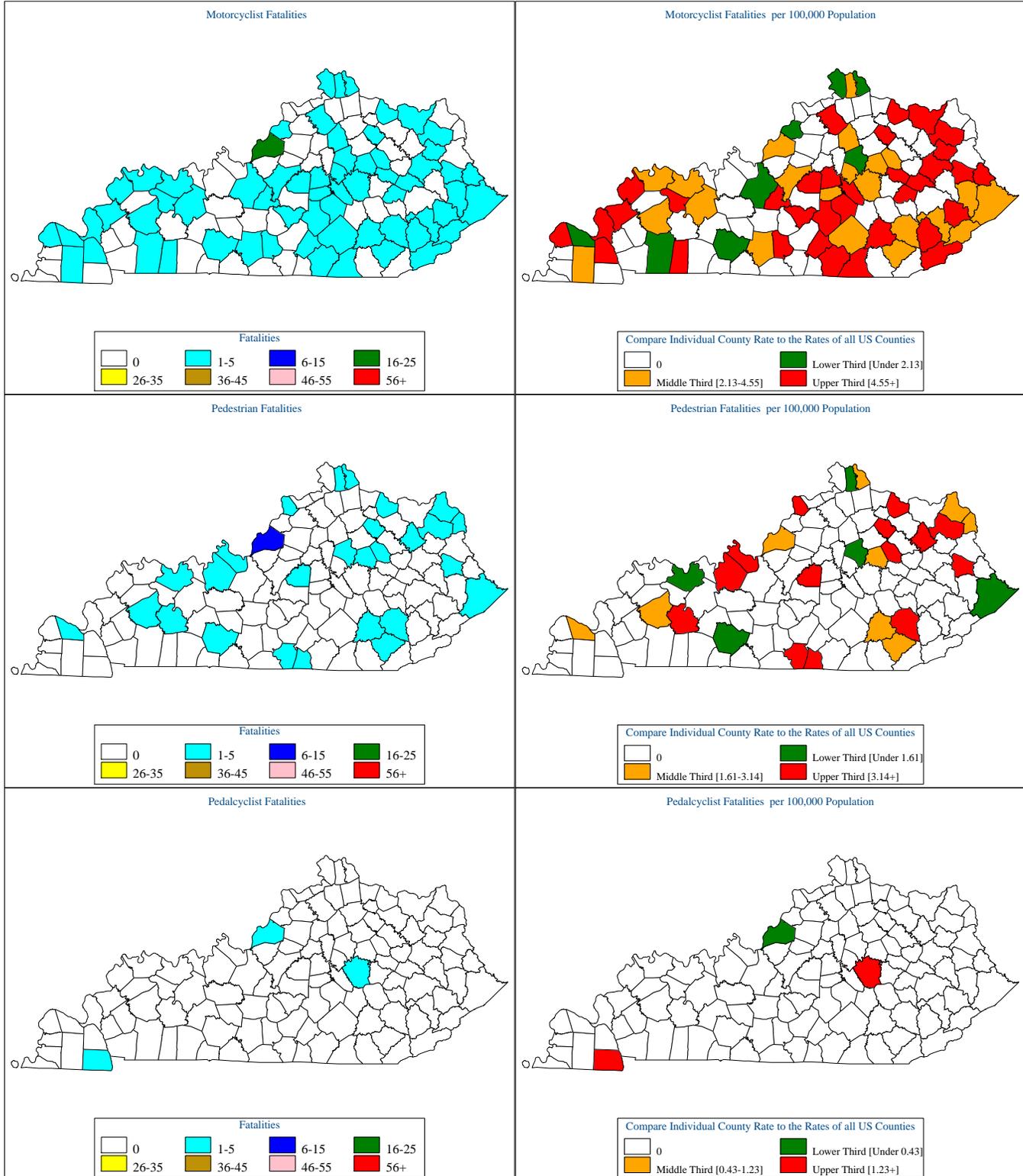
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