



## Traffic Safety Facts Kentucky 2007-2011



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2007-2010 Final File and 2011 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				
		2007	2008	2009	2010	2011
<b>Traffic Fatalities</b>	<b>Total</b>	864	825	791	760	721
	<b>Rural</b>	677	634	645	551	560
	<b>Urban</b>	187	191	146	208	161
	<b>Unknown</b>	0	0	0	1	0
<b>Fatalities Per 100 Million Vehicle Miles Driven**</b>	<b>Total</b>	1.80	1.74	1.67	1.58	
	<b>Rural</b>	2.45	2.31	2.36	1.99	
	<b>Urban</b>	0.92	0.95	0.73	1.03	
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	647	596	619	557	544
	<b>Restrained</b>	265	214	265	246	235
	<b>Unrestrained</b>	382	381	352	310	306
	<b>Unknown</b>	0	1	2	1	3
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		212	186	192	168	171
<b>Speeding-Related Fatalities</b>		132	154	154	154	141
<b>Motorcyclist Fatalities</b>	<b>Total</b>	112	101	86	96	71
	<b>Helmeted</b>	40	41	36	38	29
	<b>Unhelmeted</b>	72	60	50	58	42
	<b>Unknown</b>	0	0	0	0	0
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	1,187	1,100	1,110	1,037	999
	<b>Aged Under 15</b>	3	3	3	5	1
	<b>Aged 15-20</b>	135	119	130	109	85
	<b>Aged Under 21</b>	138	122	133	114	86
	<b>Aged 21 and Over</b>	1,045	967	975	917	908
	<b>Unknown Age</b>	4	11	2	6	5
<b>Pedestrian Fatalities</b>		44	66	41	61	50

\*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)

\*\*2011 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
2007	Kentucky	864	48,063	1.80	4,256,672	20.30
	US	41,259	3,031,124	1.36	301,231,207	13.70
	Best State*			0.79		6.53
2008	Kentucky	825	47,534	1.74	4,289,878	19.23
	US	37,423	2,976,528	1.26	304,093,966	12.31
	Best State*			0.67		5.63
2009	Kentucky	791	47,355	1.67	4,317,074	18.32
	US	33,883	2,956,764	1.15	306,771,529	11.05
	Best State*			0.62		4.90
2010	Kentucky	760	48,007	1.58	4,347,223	17.48
	US	32,999	2,966,506	1.11	309,330,219	10.67
	Best State*			0.64		3.97
2011	Kentucky	721			4,369,356	16.50
	US	32,367	2,930,654	1.10	311,591,917	10.39
	Best State*					4.37

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

2011 National VMT is a Preliminary Estimate and Subject to Change

2011 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+		
			Number	Percent	Per 100 Million VMT	Number	Percent	Per 100 Million VMT
2007	Kentucky	864	267	31	0.56	228	26	0.47
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Kentucky	825	245	30	0.52	213	26	0.45
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Kentucky	791	252	32	0.53	204	26	0.43
	US	33,883	14,179	42	0.48	12,149	36	0.41
	Best State*			25	0.24		18	0.17
2010	Kentucky	760	225	30	0.47	182	24	0.38
	US	32,999	13,323	40	0.45	11,462	35	0.39
	Best State*			23	0.21		20	0.19
2011	Kentucky	721	212	29		182	25	
	US	32,367	13,155	41	0.45	11,397	35	0.39
	Best State*			28			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

2011 National VMT is a Preliminary Estimate and Subject to Change

2011 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
2007	Kentucky	864	212	25	0.44
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	Kentucky	825	186	23	0.39
	US	37,423	11,711	31	0.39
	Best State*			16	0.16
2009	Kentucky	791	192	24	0.41
	US	33,883	10,759	32	0.36
	Best State*			17	0.16
2010	Kentucky	760	168	22	0.35
	US	32,999	10,136	31	0.34
	Best State*			18	0.17
2011	Kentucky	721	171	24	
	US	32,367	9,878	31	0.34
	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

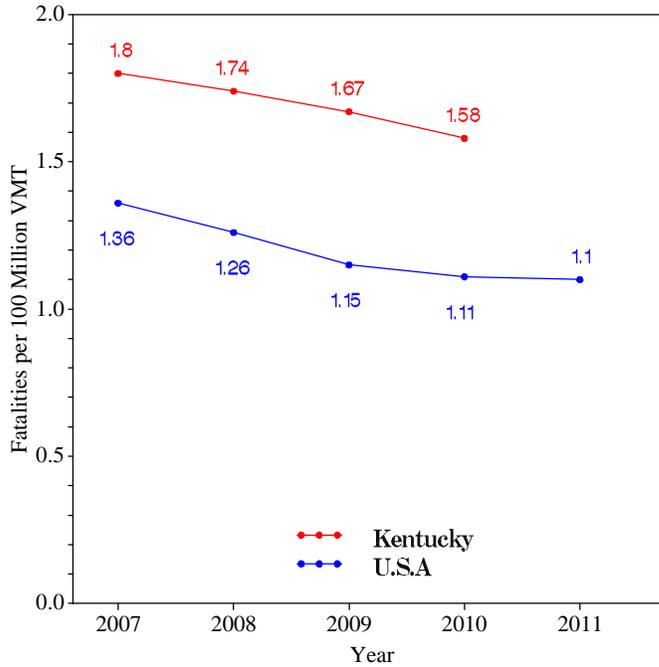
2011 National VMT is a Preliminary Estimate and Subject to Change

2011 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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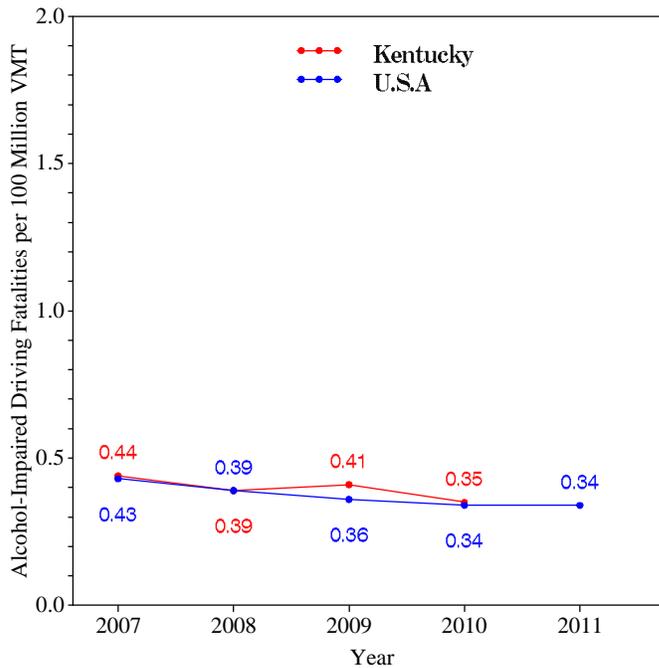


### Fatalities per 100 Million VMT



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### Alcohol-Impaired Driving Fatalities per 100 Million VMT



2011 National VMT is a Preliminary Estimate and Subject to Change  
2011 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:  
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
2007	Kentucky	555	223	40	632	452	72	1,187	675	57
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	Kentucky	516	236	46	584	423	72	1,100	659	60
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52
	Best State*			81			99			85
2009	Kentucky	519	229	44	591	448	76	1,110	677	61
	US	23,502	7,188	31	21,835	16,753	77	45,337	23,941	53
	Best State*			86			100			90
2010	Kentucky	513	258	50	524	404	77	1,037	662	64
	US	23,527	7,927	34	21,072	16,405	78	44,599	24,332	55
	Best State*			92			100			91
2011	Kentucky	486	227	47	513	419	82	999	646	65
	US	22,915	6,864	30	20,753	15,025	72	43,668	21,889	50
	Best State*			88			96			93

\*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
2007	Kentucky	50	72
	US	57	82
	Best State*	82	98
2008	Kentucky	47	73
	US	56	83
	Best State*	78	97
2009	Kentucky	50	80
	US	58	84
	Best State*	77	98
2010	Kentucky	51	80
	US	59	85
	Best State*	100	98
2011	Kentucky	49	82
	US	59	84
	Best State*	80	98

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

\*\*Percent Based Only Where Restraint Use Was Known

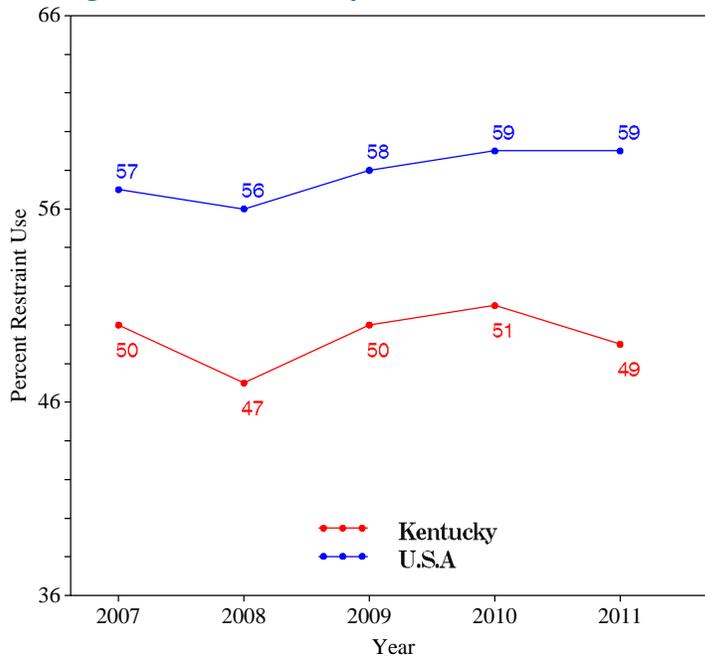
\*\*\*USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

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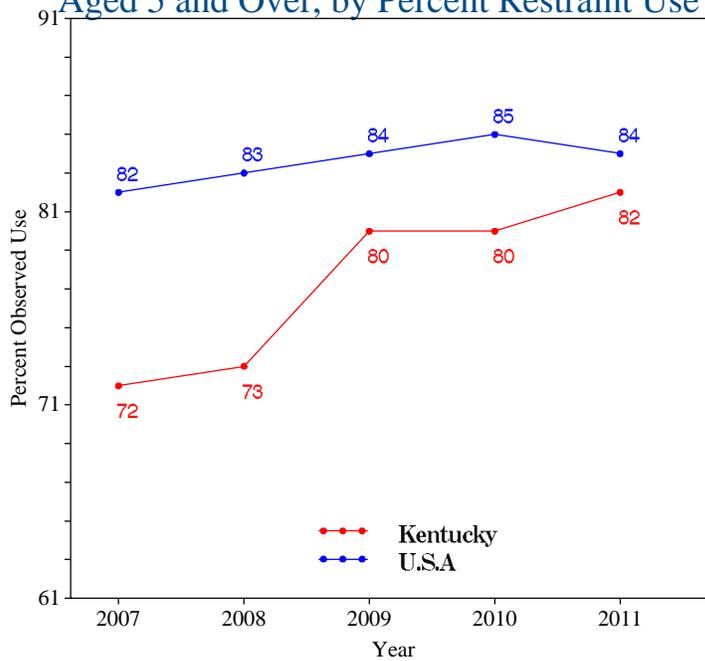
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*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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### Kentucky 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
2007	639	258	381	0	40	292	186
2008	588	210	378	0	36	245	151
2009	609	258	350	1	42	315	135
2010	546	237	308	1	43	289	127
2011	537	230	305	2	43	280	126

\*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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### Kentucky 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
2007	8	7	1	0	88	12
2008	7	4	2	1	67	5
2009	10	7	2	1	78	9
2010	11	9	2	0	82	12
2011	6	5	0	1	100	8

\*Percent Based Only Where Restraint Use Was Known

\*\*Lives Saved Estimates

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### Kentucky 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
2007	112	40	72	0	36	24	27
2008	101	41	60	0	41	25	22
2009	86	36	50	0	42	21	19
2010	96	38	58	0	40	23	22
2011	71	29	42	0	41	17	16

\*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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### Kentucky Fatalities by Person Type

Person Type		2007		2008		2009		2010		2011	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	383	44	340	41	330	42	297	39	307	43
	<b>Light Truck - Pickup</b>	162	19	144	17	165	21	132	17	136	19
	<b>Light Truck - Utility</b>	74	9	79	10	98	12	83	11	79	11
	<b>Light Truck - Van</b>	28	3	32	4	25	3	45	6	22	3
	<b>Light Truck - Other</b>	0	0	1	0	1	0	0	0	0	0
	<b>Large Truck</b>	21	2	22	3	20	3	9	1	18	2
	<b>Bus</b>	3	0	1	0	0	0	0	0	1	0
	<b>Other/Unknown Occupants</b>	33	4	31	4	20	3	30	4	30	4
	<b>Total Occupants</b>	704	81	650	79	659	83	596	78	593	82
<b>Motorcyclists</b>	<b>Total Motorcyclists</b>	112	13	101	12	86	11	96	13	71	10
<b>Nonoccupants</b>	<b>Pedestrian</b>	44	5	66	8	41	5	61	8	50	7
	<b>Bicyclist and Other Cyclist</b>	3	0	6	1	5	1	7	1	2	0
	<b>Other/Unknown Nonoccupants</b>	1	0	2	0	0	0	0	0	5	1
		<b>Total Nonoccupants</b>	48	6	74	9	46	6	68	9	57
<b>Total</b>	<b>Total</b>	864	100	825	100	791	100	760	100	721	100

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

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### Kentucky Fatalities by Crash Type

Crash Type	2007	2008	2009	2010	2011
<b>Total Fatalities (All Crashes)*</b>	864	825	791	760	721
<b>- (1) Single Vehicle</b>	510	481	420	423	411
<b>- (2) Involving a Large Truck</b>	104	113	112	100	88
<b>- (3) Involving Speeding</b>	132	154	154	154	141
<b>- (4) Involving a Rollover</b>	269	233	213	251	205
<b>- (5) Involving a Roadway Departure</b>	595	572	542	484	467
<b>- (6) Involving an Intersection (or Intersection Related)</b>	129	94	104	120	116

(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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### Kentucky Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2007	9	28	24	23	22	6	112
2008	5	19	16	27	20	14	101
2009	3	22	17	18	11	15	86
2010	6	18	8	26	23	15	96
2011	3	13	14	20	11	10	71

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### Kentucky Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2007	112	61,907	180.9
2008	101	65,002	155.4
2009	86	68,251	126.0
2010	96	71,664	134.0
2011	71		

\*Data Source: FHWA

\*2011 Motorcycle Registrations are Not Yet Available

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### Kentucky Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2007	2008	2009	2010
<b>Occupants (All Vehicle Types)</b>	<b>Hispanic</b>	8	6	21	9
	<b>White Non-Hispanic</b>	782	714	677	593
	<b>Black, Non-Hispanic</b>	25	31	27	33
	<b>Asian, Non-Hispanic/Unknown</b>	0	0	1	1
	<b>All Other Non-Hispanic or Race</b>	1	0	15	53
	<b>Unknown Race and Unknown Hispanic</b>	0	0	4	3
	<b>Total</b>	816	751	745	692
<b>Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)</b>					
	<b>Hispanic</b>	2	1	0	1
	<b>White Non-Hispanic</b>	37	65	39	56
	<b>Black, Non-Hispanic</b>	8	8	6	6
	<b>Asian, Non-Hispanic/Unknown</b>	0	0	0	0
	<b>All Other Non-Hispanic or Race</b>	1	0	1	5
	<b>Unknown Race and Unknown Hispanic</b>	0	0	0	0
<b>Total</b>	48	74	46	68	
<b>Total</b>	864	825	791	760	

2011 Race/Hispanic Origin Data is Not Yet Complete

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### 5 Year Trend For The Top 10 Counties of 2011 - Fatalities

Kentucky Counties by 2011 Ranking		Fatalities					Percent of Total				
		2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
1	Jefferson County	80	77	57	73	61	9	9	7	10	8
2	Fayette County	26	31	23	24	32	3	4	3	3	4
3	Pike County	20	32	17	21	19	2	4	2	3	3
4	Warren County	13	23	25	11	18	2	3	3	1	2
5	Barren County	8	11	17	15	15	1	1	2	2	2
6	Madison County	18	13	12	20	15	2	2	2	3	2
7	Hardin County	18	18	19	18	13	2	2	2	2	2
8	Pulaski County	15	15	13	9	13	2	2	2	1	2
9	Clay County	13	10	9	11	12	2	1	1	1	2
10	Floyd County	14	15	12	6	12	2	2	2	1	2
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	243	258	214	236	210	28	31	27	31	29
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	621	567	577	524	511	72	69	73	69	71
<b>Total</b>	<b>All Counties</b>	864	825	791	760	721	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 2011 - Fatalities Year to Year Percent Change

Kentucky Counties by 2011 Ranking		Fatalities					Percent Change From Previous Year			
		2007	2008	2009	2010	2011	2008	2009	2010	2011
1	Jefferson County	80	77	57	73	61	-4	-26	28	-16
2	Fayette County	26	31	23	24	32	19	-26	4	33
3	Pike County	20	32	17	21	19	60	-47	24	-10
4	Warren County	13	23	25	11	18	77	9	-56	64
5	Barren County	8	11	17	15	15	38	55	-12	0
6	Madison County	18	13	12	20	15	-28	-8	67	-25
7	Hardin County	18	18	19	18	13	0	6	-5	-28
8	Pulaski County	15	15	13	9	13	0	-13	-31	44
9	Clay County	13	10	9	11	12	-23	-10	22	9
10	Floyd County	14	15	12	6	12	7	-20	-50	100
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	243	258	214	236	210	6	-17	10	-11
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	621	567	577	524	511	-9	2	-9	-2
<b>Total</b>	<b>All Counties</b>	864	825	791	760	721	-5	-4	-4	-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 2011 - Fatality Rates

Median Rate for all U.S. Counties: 17.02

Kentucky Counties by 2011 Ranking		Fatalities Per 100,000 Population				
		2007	2008	2009	2010	2011
1	Hickman County	121.09	100.87	0.00	20.48	125.42
2	Butler County	31.35	39.23	7.89	15.71	85.76
3	Carlisle County	19.57	39.27	0.00	58.77	59.43
4	Owen County	54.55	0.00	36.67	9.23	55.26
5	Clay County	58.21	44.87	41.00	50.66	55.25
6	Knott County	36.06	36.11	42.31	36.75	49.11
7	Menifee County	0.00	30.97	0.00	31.68	47.49
8	Rockcastle County	11.71	46.47	29.28	5.86	46.87
9	Marion County	10.28	15.27	20.23	25.23	45.04
10	Cumberland County	28.74	0.00	14.59	58.33	43.91
<b>Sub Rate 1.*</b> <i>Top Ten Counties</i>		71.05	62.15	61.47	56.48	56.68
<b>Sub Rate 2.**</b> <i>All Other Counties</i>		18.78	17.94	17.15	16.49	15.35
<b>Total Rate</b> <i>All Counties</i>		20.30	19.23	18.32	17.48	16.50

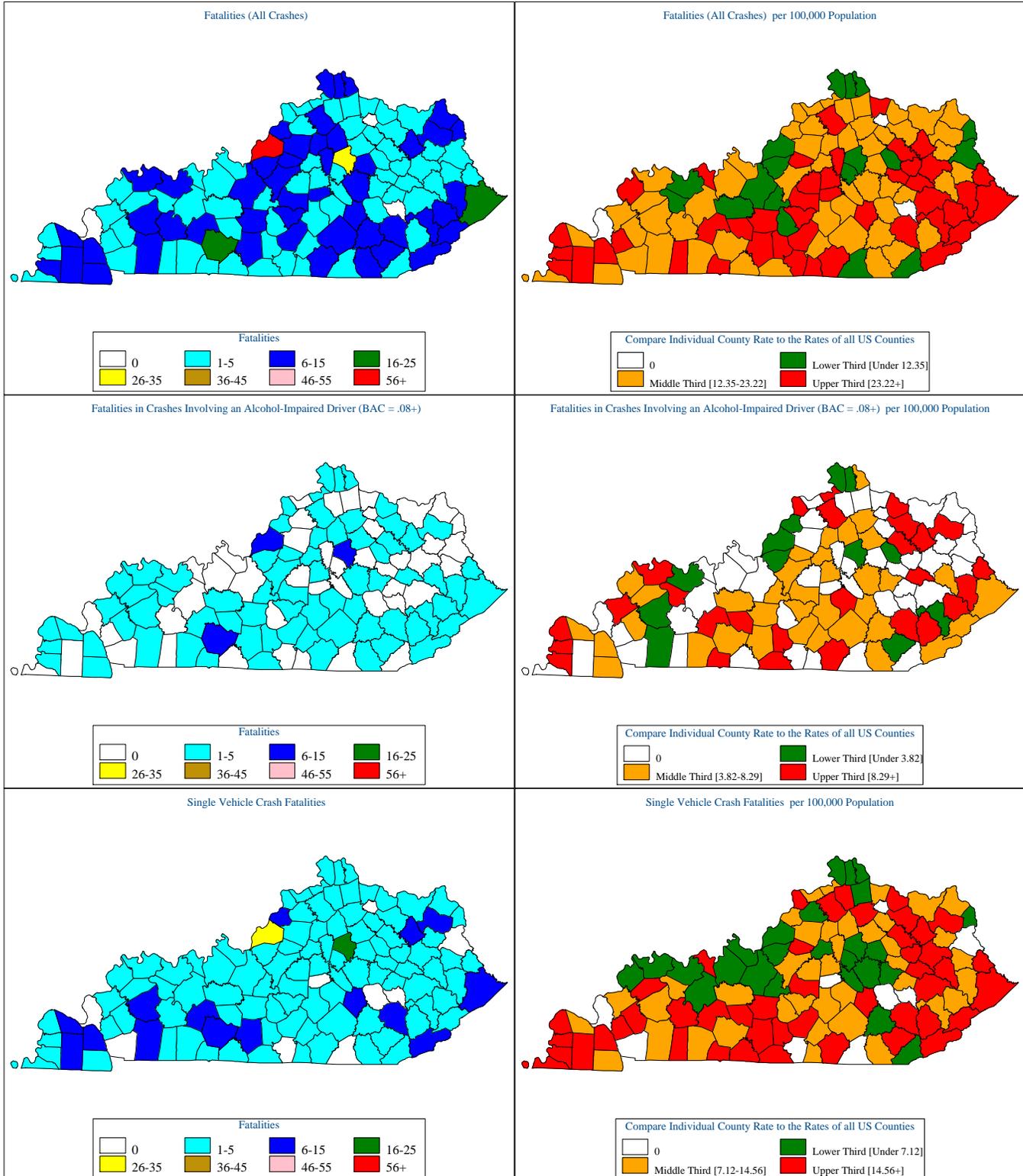
\*This Sub Rate is the Rate for the Top Ten Counties

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

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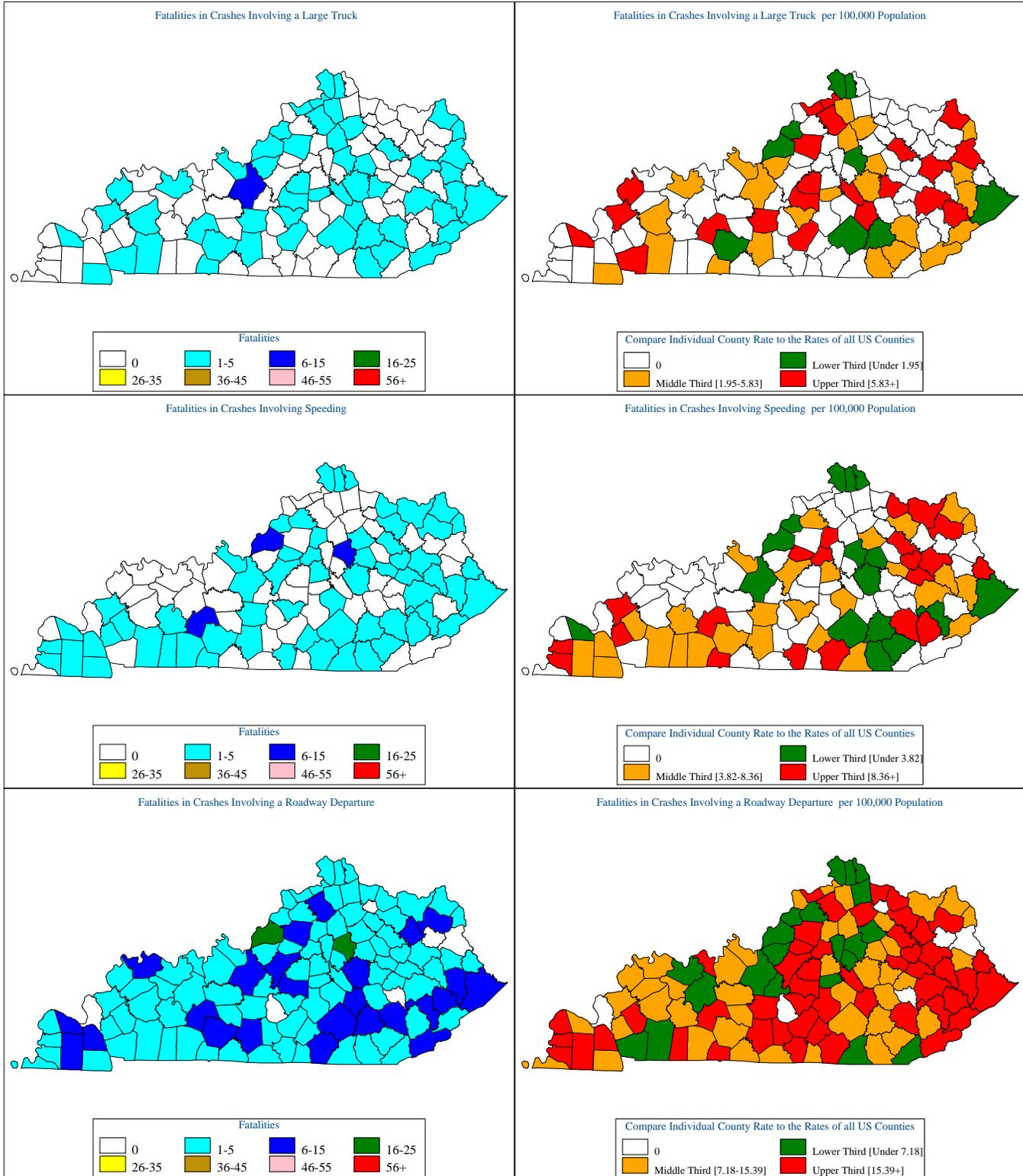
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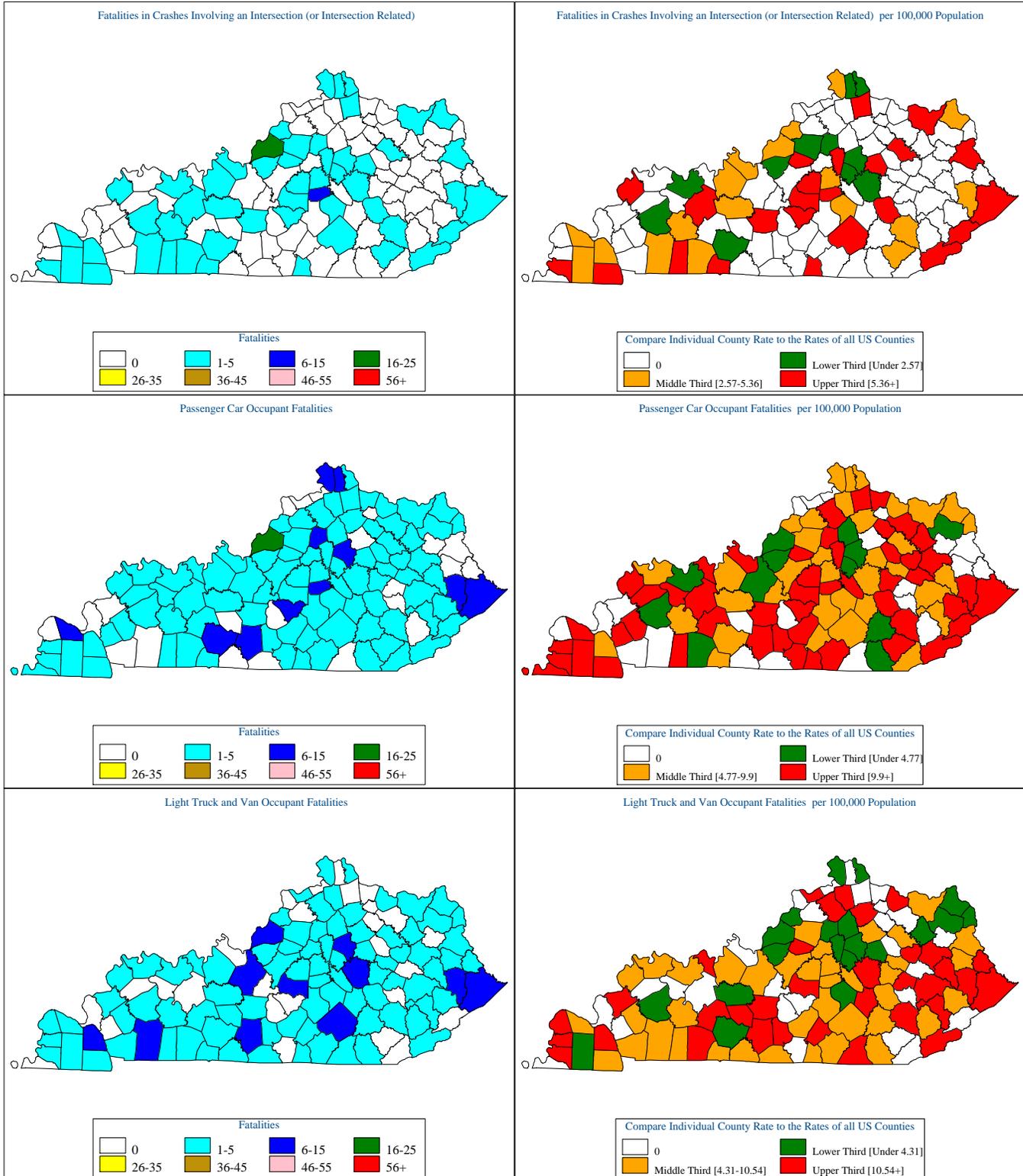
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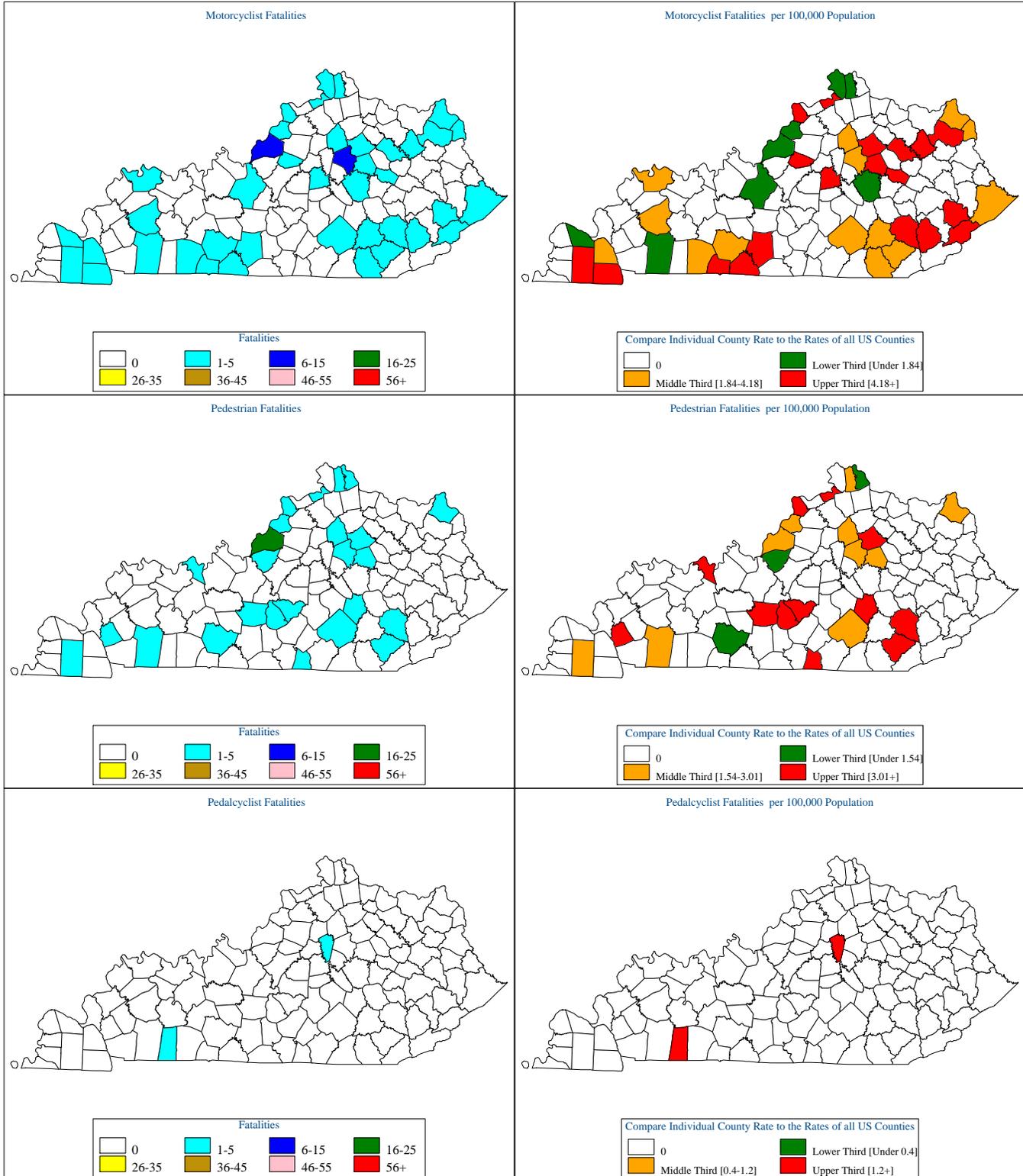
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