



Traffic Safety Facts Arkansas 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 Arkansas 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 Arkansas *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Traffic Fatalities	Total	640	703	654	665	650
	Rural	491	556	530	504	497
	Urban	149	147	124	161	152
	Unknown	0	0	0	0	1
Fatalities Per 100 Million Vehicle Miles Driven**	Total	2.09	2.22	2.05	2.01	
	Rural	2.52	2.79	2.64	2.49	
	Urban	1.33	1.26	1.04	1.26	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	513	564	516	510	482
	Restrained	141	164	149	134	159
	Unrestrained	317	348	312	303	275
	Unknown	55	52	55	73	48
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		190	201	180	200	182
Speeding-Related Fatalities		119	104	106	96	64
Motorcyclist Fatalities	Total	56	57	63	76	80
	Helmeted	20	22	29	18	29
	Unhelmeted	35	35	30	56	48
	Unknown	1	0	4	2	3
Drivers Involved in Fatal Crashes	Total	819	924	891	885	858
	Aged Under 15	3	1	0	5	2
	Aged 15-20	112	132	115	122	118
	Aged Under 21	115	133	115	127	120
	Aged 21 and Over	703	784	770	754	731
	Unknown Age	1	7	6	4	7
Pedestrian Fatalities		41	32	37	31	45

*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: Arkansas , 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	Arkansas	640	30,639	2.09	2,720,006	23.53
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Arkansas	703	31,648	2.22	2,742,898	25.63
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Arkansas	654	31,972	2.05	2,772,152	23.59
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Arkansas	665	33,007	2.01	2,809,111	23.67
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Arkansas	650			2,834,797	22.93
	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**:
Arkansas , 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	Arkansas	640	252	39	201	31	0.66
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Arkansas	703	264	38	218	31	0.69
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Arkansas	654	218	33	190	29	0.59
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Arkansas	665	254	38	205	31	0.62
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Arkansas	650	242	37	197	30	
	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
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Alcohol-Impaired Driving Fatalities**:
Arkansas , U.S. and Best State
(New Definition)

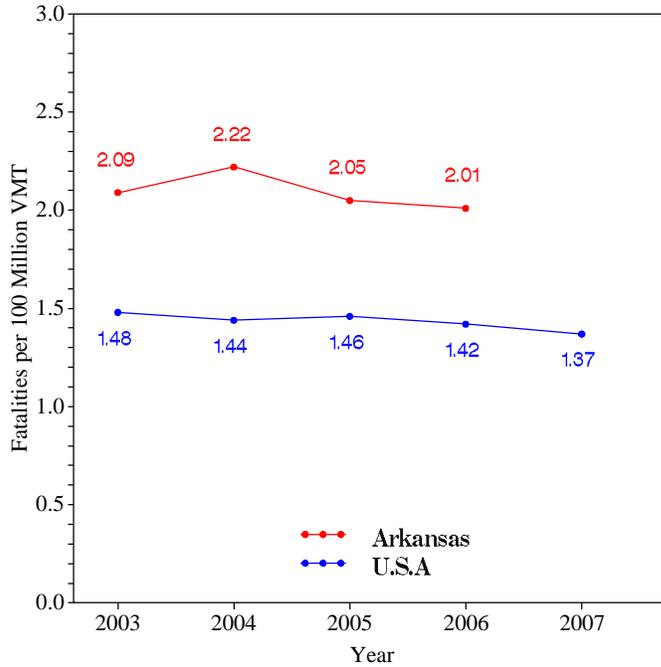
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Arkansas	640	190	30	0.62
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Arkansas	703	201	29	0.64
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Arkansas	654	180	28	0.56
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Arkansas	665	200	30	0.61
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Arkansas	650	182	28	
	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
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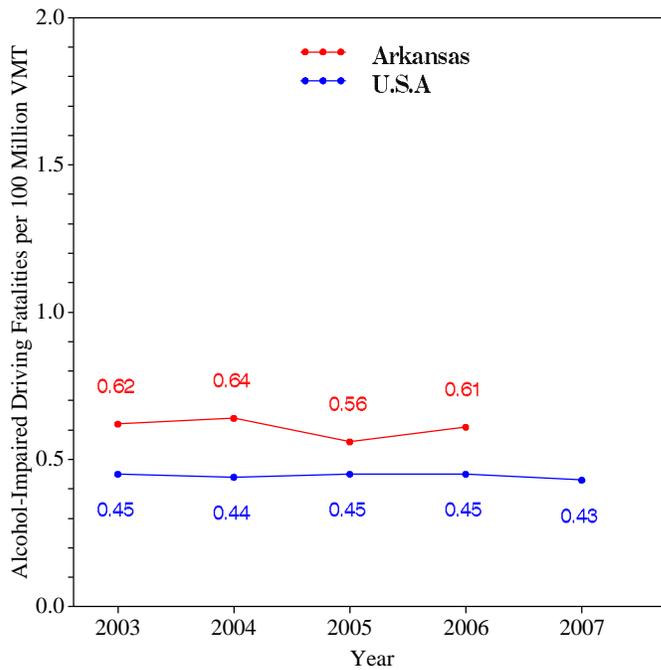


Fatalities per 100 Million VMT



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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:
Arkansas , 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	Arkansas	375	200	53	444	338	76	819	538	66
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Arkansas	452	243	54	472	365	77	924	608	66
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Arkansas	410	205	50	481	366	76	891	571	64
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Arkansas	406	204	50	479	384	80	885	588	66
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Arkansas	395	233	59	463	358	77	858	591	69
	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
Arkansas , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2003	Arkansas	44	63
	US	55	79
	Best State*	74	95
2004	Arkansas	37	64
	US	56	80
	Best State*	82	95
2005	Arkansas	40	68
	US	55	82
	Best State*	88	95
2006	Arkansas	44	69
	US	55	81
	Best State*	77	96
2007	Arkansas	44	70
	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

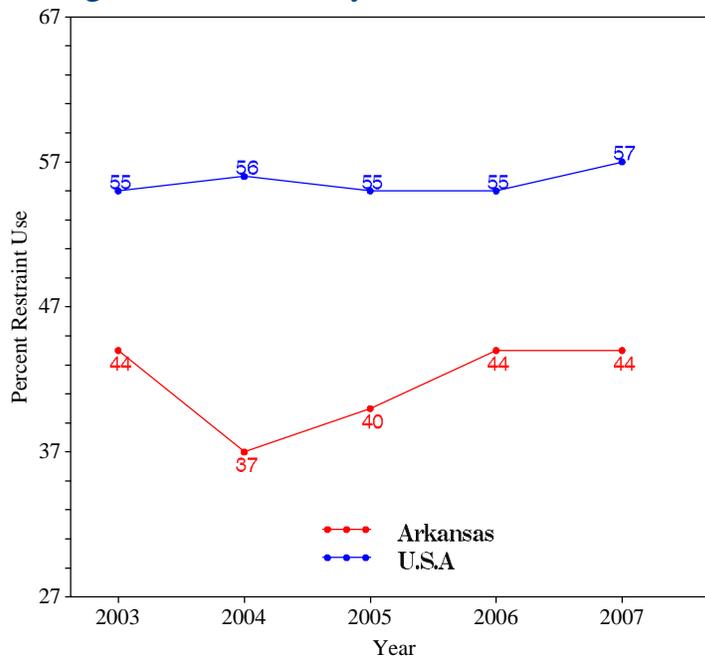
***USA Data: National Occupant Protection Use Survey. Arkansas Data: State Survey

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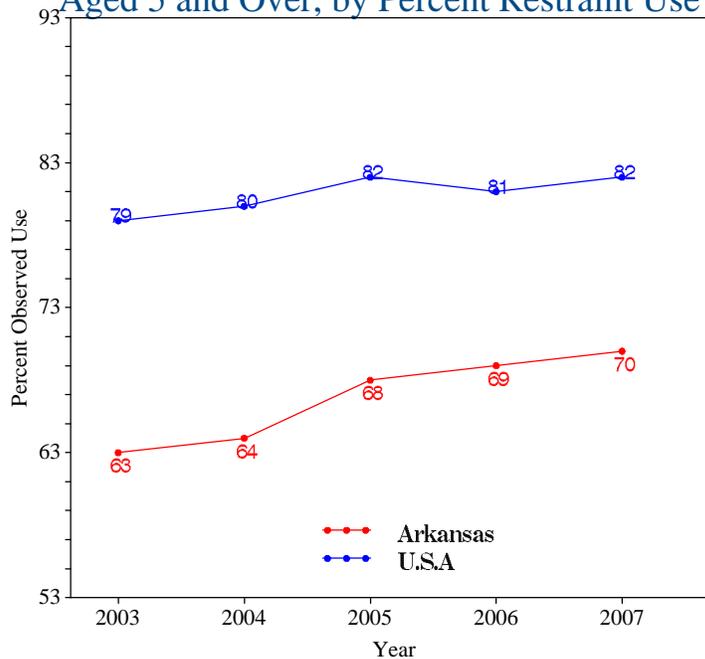
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Arkansas 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	499	133	311	55	30	182	152
2004	551	156	345	50	31	205	163
2005	511	147	309	55	32	198	142
2006	495	126	297	72	30	174	138
2007	476	154	274	48	36	219	150

*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	14	8	6	0	57	0	4
2004	13	8	3	2	73	13	2
2005	5	2	3	0	40	2	2
2006	15	8	6	1	57	14	4
2007	5	5	0	0	100	8	

*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	56	20	35	1	36	12	13
2004	57	22	35	0	39	13	13
2005	63	29	30	4	49	18	12
2006	76	18	56	2	24	11	22
2007	80	29	48	3	38	18	19

*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	265	41	314	45	261	40	256	38	245	38
	Light Truck - Pickup	154	24	129	18	148	23	130	20	131	20
	Light Truck - Utility	62	10	95	14	73	11	96	14	84	13
	Light Truck - Van	32	5	26	4	34	5	28	4	22	3
	Large Truck	22	3	15	2	26	4	25	4	27	4
	Bus	1	0	16	2	0	0	0	0	3	0
	Other/Unknown Occupants	6	1	14	2	8	1	16	2	9	1
	<i>Total Occupants</i>	542	85	609	87	550	84	551	83	521	80
Motorcyclists	<i>Total Motorcyclists</i>	56	9	57	8	63	10	76	11	80	12
Nonoccupants	Pedestrian	41	6	32	5	37	6	31	5	45	7
	Bicyclist and Other Cyclist	1	0	3	0	3	0	3	0	3	0
	Other/Unknown Nonoccupants	0	0	2	0	1	0	4	1	1	0
	<i>Total Nonoccupants</i>	42	7	37	5	41	6	38	6	49	8
Total	<i>Total</i>	640	100	703	100	654	100	665	100	650	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)*	640	703	654	665	650
- (1) Single Vehicle	359	359	352	394	363
- (2) Involving a Large Truck	109	110	115	91	114
- (3) Involving Speeding	119	104	106	96	64
- (4) Involving a Rollover	238	245	234	261	203
- (5) Involving a Roadway Departure	451	489	411	450	447
- (6) Involving an Intersection (or Intersection Related)	104	122	124	99	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	
2003	2	10	11	15	12	6	56
2004	3	13	12	17	10	2	57
2005	5	8	12	14	13	11	63
2006	4	20	16	14	14	8	76
2007	6	15	16	14	20	9	80

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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	56	38,500	145.5
2004	57	43,668	130.5
2005	63	50,100	125.7
2006	76	58,686	129.5
2007	80		

*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	27	27	25	34
	White Non-Hispanic	474	522	501	498
	Black, Non-Hispanic	93	113	81	89
	American Indian, Non-Hispanic/Unknown	0	0	1	0
	Asian, Non-Hispanic/Unknown	0	0	1	0
	Pacific Islander, Non-Hispanic/Unknown	0	0	2	0
	All Other Non-Hispanic or Race	4	4	2	6
	Total	598	666	613	627
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	0	2	2	3
	White Non-Hispanic	28	23	26	28
	Black, Non-Hispanic	14	12	12	7
	American Indian, Non-Hispanic/Unknown	0	0	0	0
	Asian, Non-Hispanic/Unknown	0	0	0	0
	Pacific Islander, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	0	0	1	0
Total	42	37	41	38	
Total	640	703	654	665	

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	Pulaski County	37	57	53	66	64	6	8	8	10	10
2	Benton County	21	30	27	36	35	3	4	4	5	5
3	Garland County	16	24	28	21	32	3	3	4	3	5
4	White County	23	17	16	20	23	4	2	2	3	4
5	Jefferson County	19	19	9	12	22	3	3	1	2	3
6	Washington County	28	32	19	28	20	4	5	3	4	3
7	Craighead County	8	16	13	24	18	1	2	2	4	3
8	Sebastian County	19	9	9	16	18	3	1	1	2	3
9	Lonoke County	20	25	18	12	17	3	4	3	2	3
10	Mississippi County	14	15	11	17	17	2	2	2	3	3
Sub Total 1.*	Top Ten Counties	228	272	233	266	266	36	39	36	40	41
Sub Total 2.**	All Other Counties	412	431	421	399	384	64	61	64	60	59
Total	All Counties	640	703	654	665	650	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	Pulaski County	37	57	53	66	64	54	-7	25	-3
2	Benton County	21	30	27	36	35	43	-10	33	-3
3	Garland County	16	24	28	21	32	50	17	-25	52
4	White County	23	17	16	20	23	-26	-6	25	15
5	Jefferson County	19	19	9	12	22	0	-53	33	83
6	Washington County	28	32	19	28	20	14	-41	47	-29
7	Craighead County	8	16	13	24	18	100	-19	85	-25
8	Sebastian County	19	9	9	16	18	-53	0	78	13
9	Lonoke County	20	25	18	12	17	25	-28	-33	42
10	Mississippi County	14	15	11	17	17	7	-27	55	0
Sub Total 1.*		228	272	233	266	266	19	-14	14	0
Sub Total 2.**		412	431	421	399	384	5	-2	-5	-4
Total		640	703	654	665	650	10	-7	2	-2

*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	Nevada County	41.47	31.27	20.97	95.28	85.32
2	Prairie County	21.61	11.05	66.93	22.59	80.10
3	Fulton County	51.71	16.99	59.61	25.81	76.58
4	Searcy County	88.36	50.36	62.74	37.20	61.83
5	Sharp County	34.31	45.73	51.25	33.54	61.63
6	Van Buren County	43.23	55.41	55.10	36.53	60.58
7	Perry County	29.11	29.14	48.65	87.84	57.74
8	Monroe County	10.49	140.80	76.88	33.66	57.39
9	Cleburne County	28.43	28.12	35.87	31.70	55.10
10	Calhoun County	53.91	18.23	0.00	89.85	54.20
<i>Sub Rate 1.*</i>	<i>Top Ten Counties</i>	63.38	62.42	66.11	58.02	63.75
<i>Sub Rate 2.**</i>	<i>All Other Counties</i>	21.33	23.18	21.14	21.78	21.09
<i>Total Rate</i>	<i>All Counties</i>	23.53	25.63	23.59	23.67	22.93

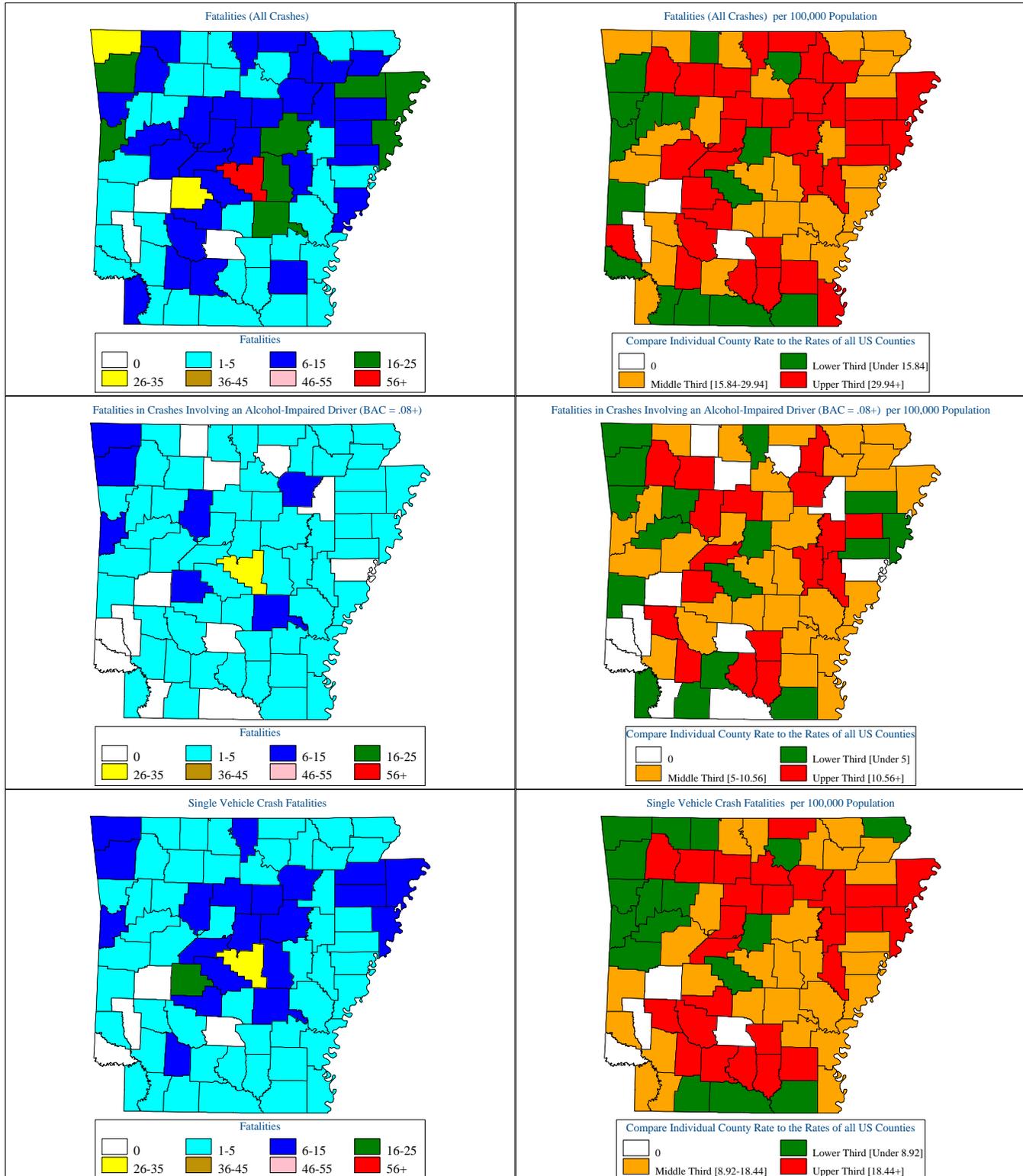
*This Sub Rate is the Rate for the Top Ten Counties

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

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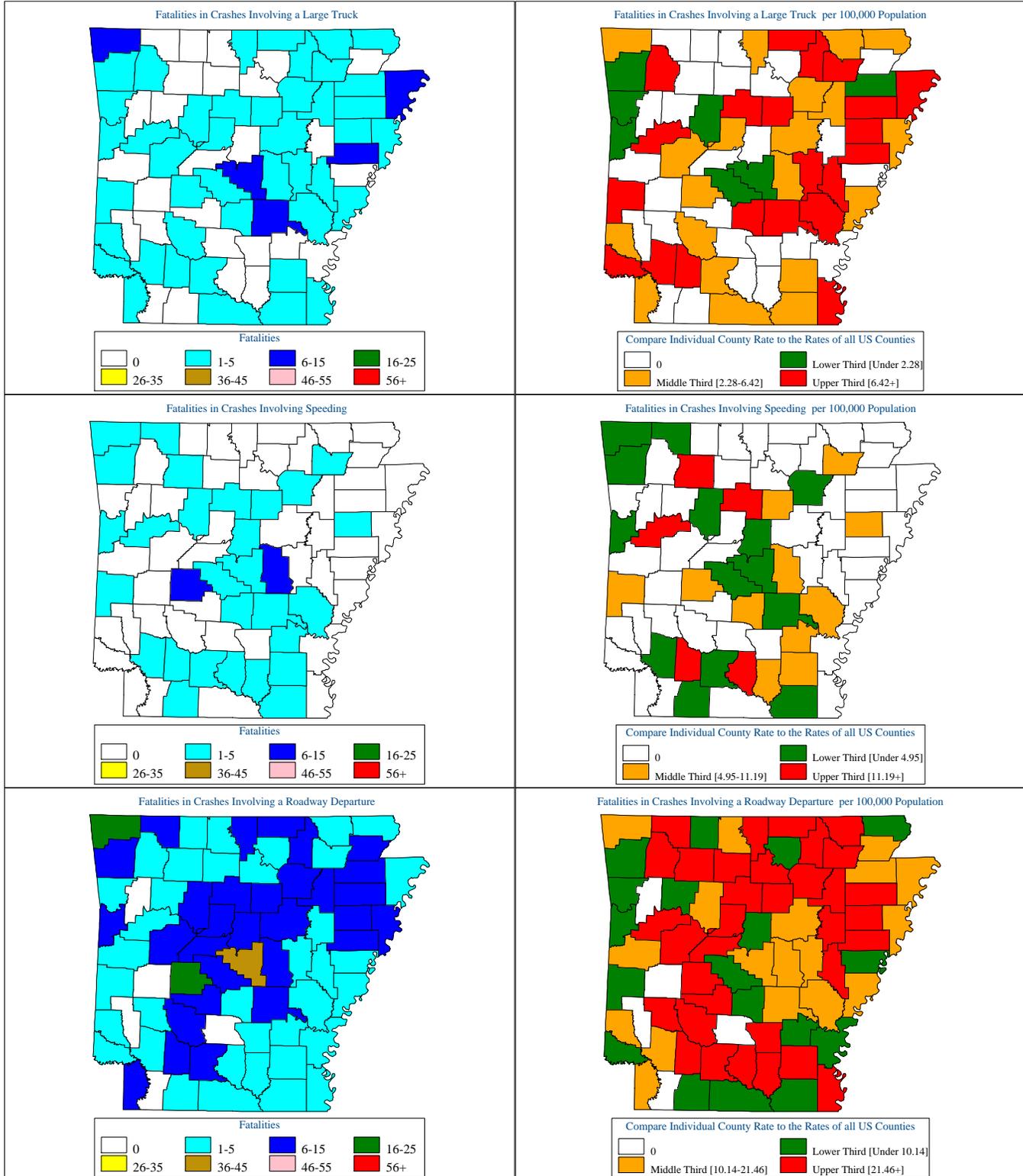
Arkansas Motor Vehicle Crash Fatality Maps for 2007



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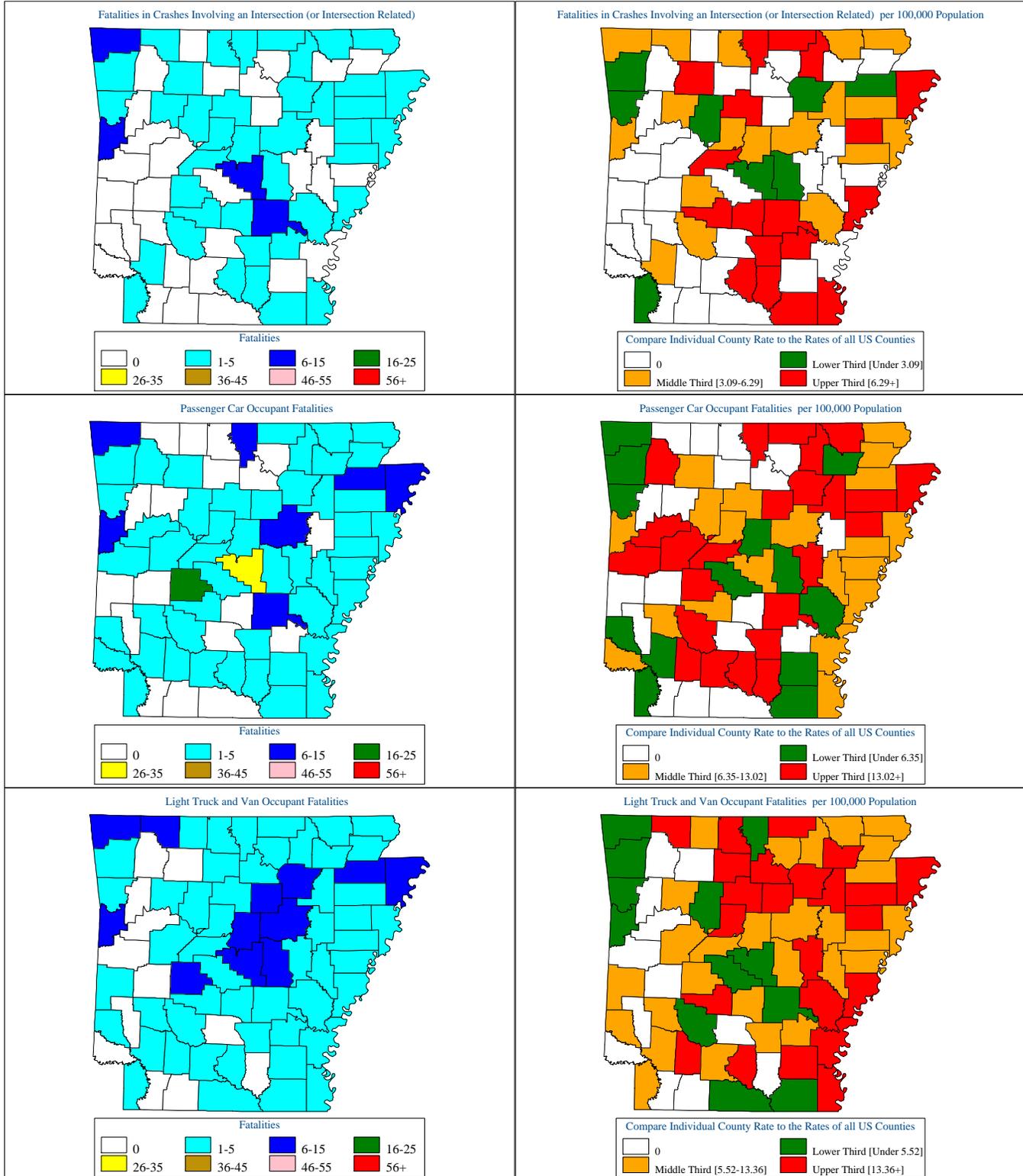
Arkansas Motor Vehicle Crash Fatality Maps for 2007



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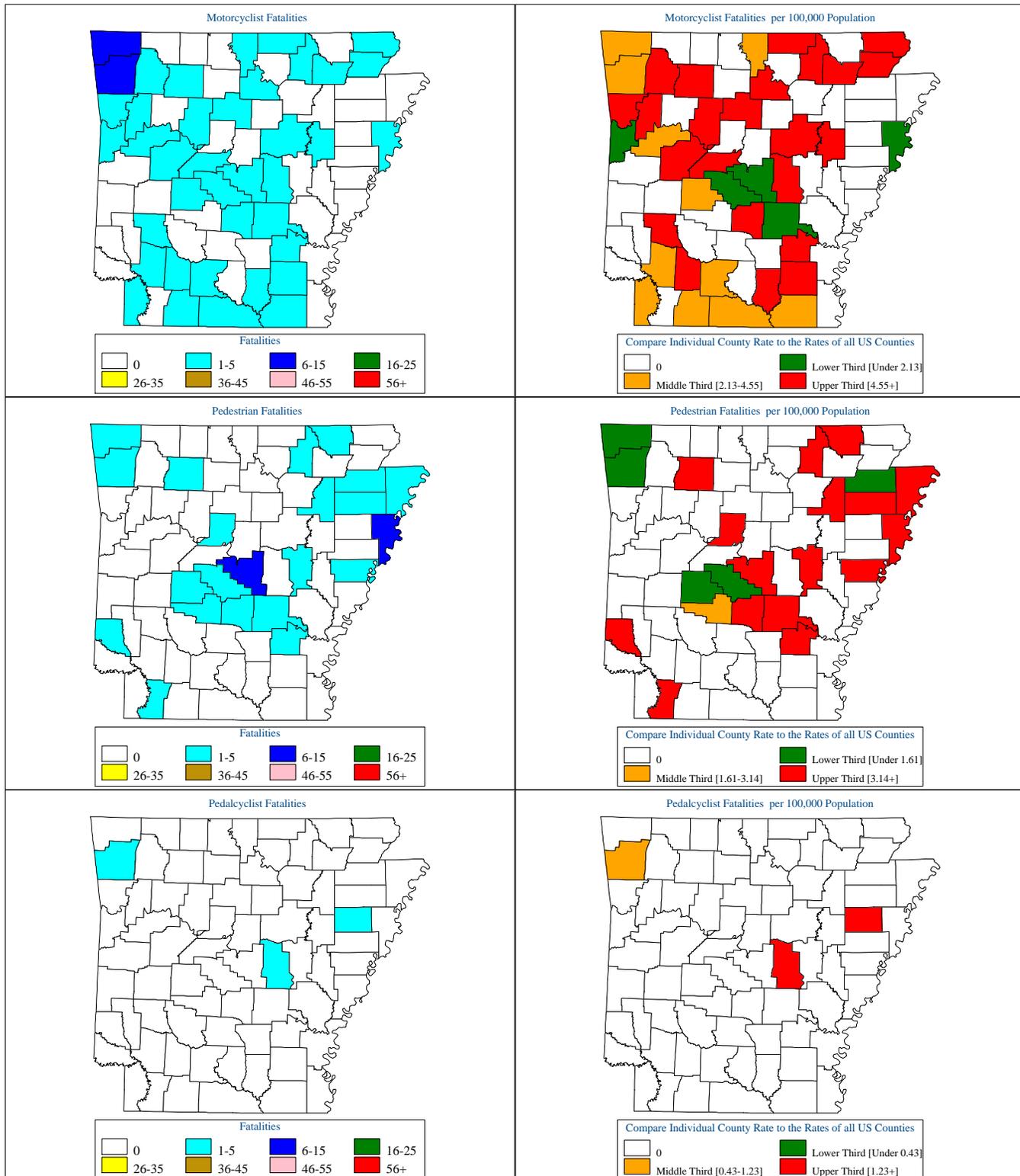
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