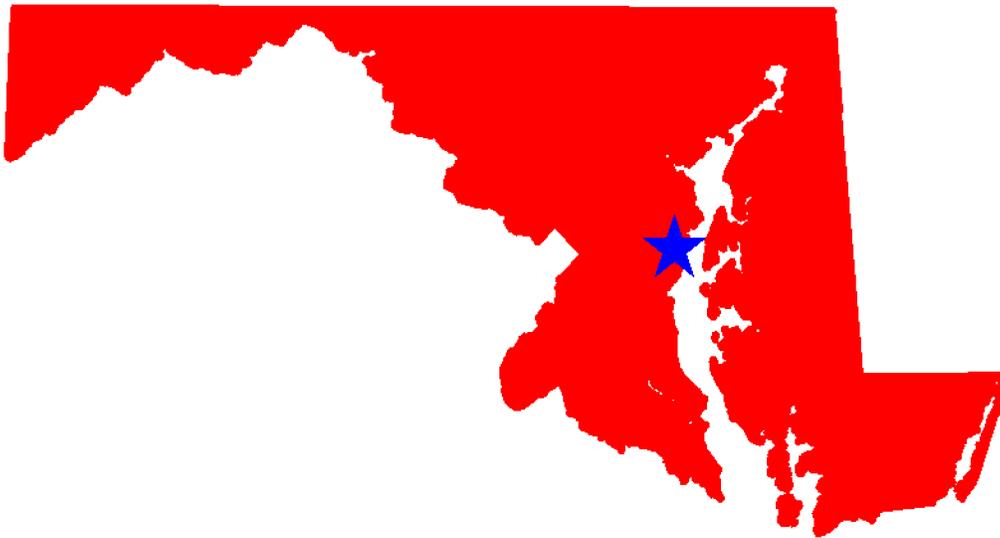




Traffic Safety Facts Maryland 2003-2007



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 Maryland 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 Maryland *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Total Traffic Fatalities		650	643	614	652	614
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.19	1.16	1.09	1.16	
	Rural	2.11	1.88	1.68	1.97	
	Urban	0.88	0.92	0.88	0.87	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	456	450	397	454	381
	Restrained	227	235	205	254	205
	Unrestrained	213	192	178	176	148
	Unknown	16	23	14	24	28
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		187	211	165	189	179
Speeding-Related Fatalities		201	248	215	239	216
Motorcyclist Fatalities	Total	56	69	85	84	95
	Helmeted	53	57	76	72	83
	Unhelmeted	2	12	9	12	11
	Unknown	1	0	0	0	1
Drivers Involved in Fatal Crashes	Total	998	870	903	936	848
	Aged Under 15	1	0	1	0	1
	Aged 15-20	119	104	106	107	101
	Aged Under 21	120	104	107	107	102
	Aged 21 and Over	860	748	779	811	728
	Unknown Age	18	18	17	18	18
Pedestrian Fatalities		114	97	102	95	116

*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: Maryland , 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	Maryland	650	54,701	1.19	5,494,136	11.83
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Maryland	643	55,284	1.16	5,537,662	11.61
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Maryland	614	56,319	1.09	5,573,163	11.02
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Maryland	652	56,302	1.16	5,602,017	11.64
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Maryland	614			5,618,344	10.93
	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**:
 Maryland , 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	Maryland	650	287	44	215	33	0.39
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Maryland	643	286	44	234	36	0.42
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Maryland	614	239	39	194	32	0.34
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	Maryland	652	266	41	218	33	0.39
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Maryland	614	263	43	214	35	
	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**:
Maryland , U.S. and Best State
(New Definition)

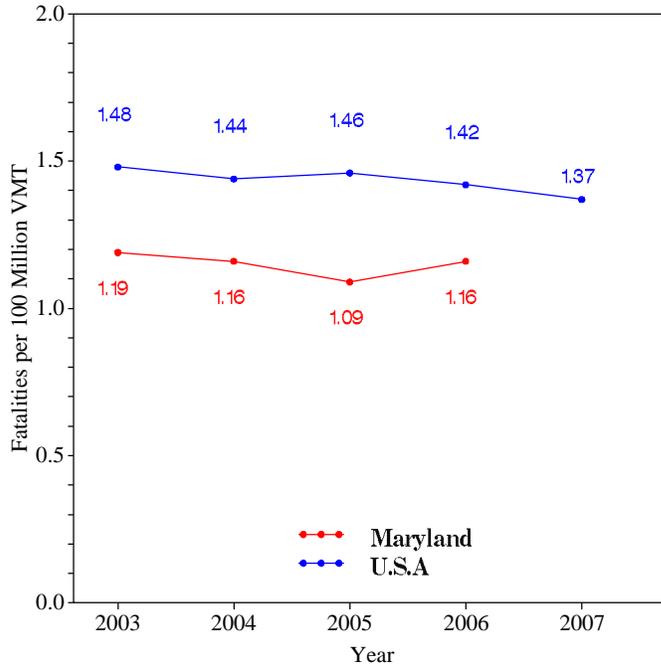
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2003	Maryland	650	187	29	0.34
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Maryland	643	211	33	0.38
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Maryland	614	165	27	0.29
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Maryland	652	189	29	0.34
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Maryland	614	179	29	
	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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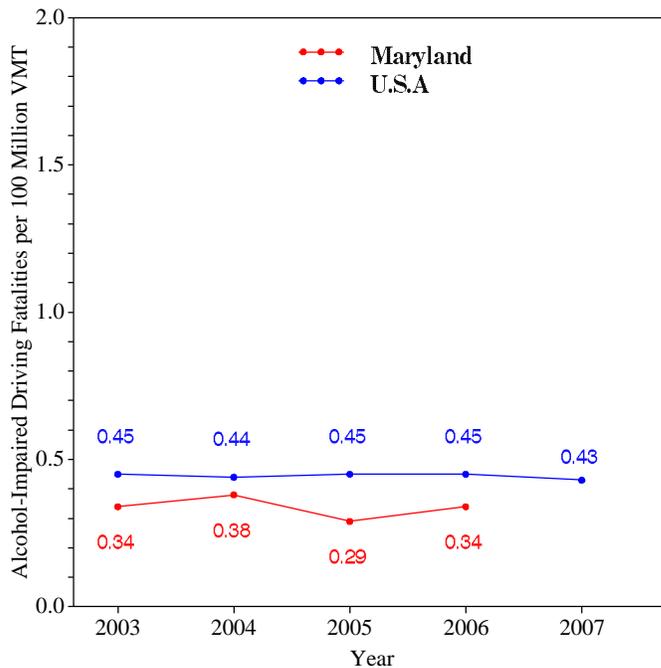


Fatalities per 100 Million VMT



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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:
Maryland , 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	Maryland	616	95	15	382	323	85	998	418	42
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	Maryland	481	80	17	389	332	85	870	412	47
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	Maryland	528	70	13	375	333	89	903	403	45
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Maryland	507	69	14	429	376	88	936	445	48
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Maryland	478	40	8	370	314	85	848	354	42
	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 Maryland , U.S. and Best State

Table with 3 main columns: Year, Fatalities - Restrained**, and Observed - Restrained***. Rows are grouped by year (2003-2007) and sub-row by location (Maryland, US, Best State*).

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

**Percent Based Only Where Restraint Use Was Known

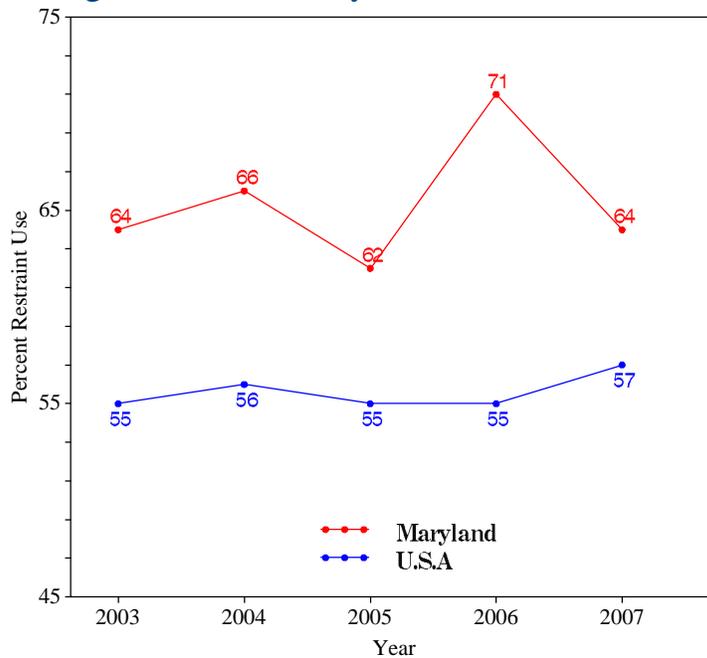
***USA Data: National Occupant Protection Use Survey. Maryland Data: State Survey

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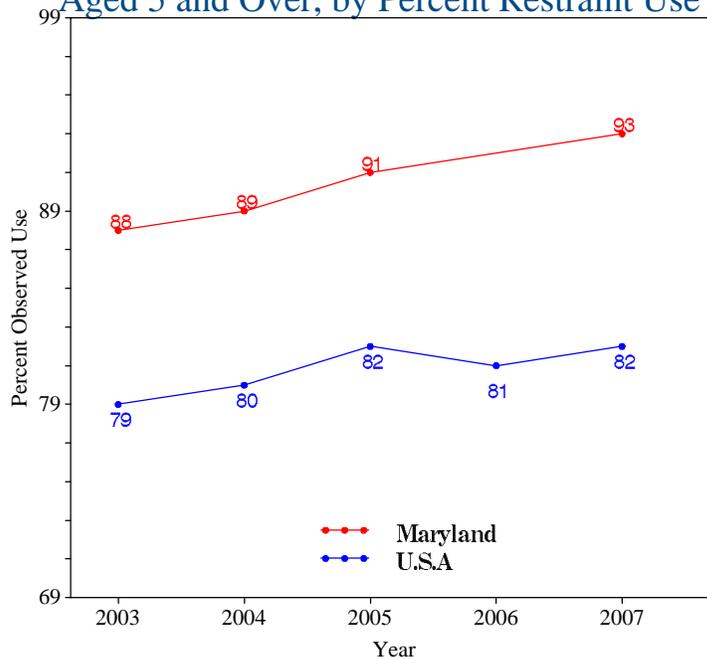
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. Maryland 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	449	221	212	16	51	231	55
2004	442	230	189	23	55	246	55
2005	389	201	175	13	53	226	42
2006	449	251	174	24	59	292	58
2007	379	203	148	28	58	254	38

*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	7	5	2	0	71	6	2
2005	6	3	3	0	50	6	2
2006	3	2	1	0	67	3	0
2007	2	2	0	0	100	3	

*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	53	2	1	96	32	1
2004	69	57	12	0	83	34	4
2005	85	76	9	0	89	45	4
2006	84	72	12	0	86	43	4
2007	95	83	11	1	88	50	4

*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	337	52	311	48	274	45	316	48	254	41
	Light Truck - Pickup	42	6	57	9	41	7	47	7	52	8
	Light Truck - Utility	55	8	58	9	60	10	65	10	52	8
	Light Truck - Van	22	3	23	4	22	4	26	4	22	4
	Light Truck - Other	0	0	1	0	0	0	0	0	1	0
	Large Truck	9	1	10	2	9	1	8	1	9	1
	Bus	0	0	0	0	1	0	0	0	0	0
	Other/Unknown Occupants	4	1	3	0	9	1	4	1	4	1
	Total Occupants	469	72	463	72	416	68	466	71	394	64
Motorcyclists	Total Motorcyclists	56	9	69	11	85	14	84	13	95	15
Nonoccupants	Pedestrian	114	18	97	15	102	17	95	15	116	19
	Bicyclist and Other Cyclist	7	1	12	2	7	1	7	1	7	1
	Other/Unknown Nonoccupants	4	1	2	0	4	1	0	0	2	0
	Total Nonoccupants	125	19	111	17	113	18	102	16	125	20
Total	Total	650	100	643	100	614	100	652	100	614	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)*	650	643	614	652	614
- (1) Single Vehicle	325	361	325	335	355
- (2) Involving a Large Truck	62	83	60	61	69
- (3) Involving Speeding	201	248	215	239	216
- (4) Involving a Rollover	96	125	79	104	75
- (5) Involving a Roadway Departure	387	358	377	403	362
- (6) Involving an Intersection (or Intersection Related)	156	133	165	151	120

(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	0	14	15	16	9	2	56
2004	4	27	14	15	9	0	69
2005	5	25	25	17	11	2	85
2006	2	24	24	19	11	4	84
2007	7	28	27	17	10	6	95

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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	63,994	87.51
2004	69	72,844	94.72
2005	85	76,230	111.5
2006	84	72,626	115.7
2007	95		

*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	7	26	12	14
	White Non-Hispanic	299	313	322	342
	Black, Non-Hispanic	96	105	113	128
	American Indian, Non-Hispanic/Unknown	0	0	0	1
	Asian, Non-Hispanic/Unknown	0	1	0	0
	All Other Non-Hispanic or Race	6	11	14	13
	Unknown Race and Unknown Hispanic	117	76	40	52
	Total	525	532	501	550
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	3	3	2	2
	White Non-Hispanic	56	47	60	47
	Black, Non-Hispanic	28	37	40	29
	American Indian, Non-Hispanic/Unknown	0	1	0	0
	Asian, Non-Hispanic/Unknown	0	1	0	2
	All Other Non-Hispanic or Race	3	5	1	2
	Unknown Race and Unknown Hispanic	35	17	10	20
Total	125	111	113	102	
Total	650	643	614	652	

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	Prince Georges	122	120	134	111	125	19	19	22	17	20
2	Baltimore County	86	81	73	66	72	13	13	12	10	12
3	Anne Arundel County	66	52	54	62	48	10	8	9	10	8
4	Montgomery County	51	79	44	58	48	8	12	7	9	8
5	Baltimore city	37	44	34	45	47	6	7	6	7	8
6	Harford County	35	19	22	24	29	5	3	4	4	5
7	Frederick County	18	28	33	33	25	3	4	5	5	4
8	Charles County	20	16	40	30	23	3	2	7	5	4
9	Cecil County	23	27	21	22	22	4	4	3	3	4
10	Carroll County	26	19	21	25	21	4	3	3	4	3
Sub Total 1.*	Top Ten Counties	493	502	476	485	460	76	78	78	74	75
Sub Total 2.**	All Other Counties	157	141	138	167	154	24	22	22	26	25
Total	All Counties	650	643	614	652	614	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	Prince Georges	122	120	134	111	125	-2	12	-17	13		
2	Baltimore County	86	81	73	66	72	-6	-10	-10	9		
3	Anne Arundel County	66	52	54	62	48	-21	4	15	-23		
4	Montgomery County	51	79	44	58	48	55	-44	32	-17		
5	Baltimore city	37	44	34	45	47	19	-23	32	4		
6	Harford County	35	19	22	24	29	-46	16	9	21		
7	Frederick County	18	28	33	33	25	56	18	0	-24		
8	Charles County	20	16	40	30	23	-20	150	-25	-23		
9	Cecil County	23	27	21	22	22	17	-22	5	0		
10	Carroll County	26	19	21	25	21	-27	11	19	-16		
Sub Total 1.*		Top Ten Counties		493	502	476	485	460	2	-5	2	-5
Sub Total 2.**		All Other Counties		157	141	138	167	154	-10	-2	21	-8
Total		All Counties		650	643	614	652	614	-1	-5	6	-6

*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	Kent County	5.11	15.30	5.06	30.26	40.03
2	Talbot County	8.68	17.05	19.64	16.63	33.16
3	Garrett County	53.45	40.23	26.95	13.50	27.00
4	Queen Anne	31.97	20.20	15.54	19.63	25.77
5	Worcester County	18.48	24.54	20.48	22.38	22.28
6	Cecil County	24.89	28.50	21.72	22.30	22.07
7	Calvert County	22.79	18.74	11.52	23.98	19.27
8	Wicomico County	18.32	15.79	14.37	17.30	19.23
9	Charles County	15.21	11.88	29.14	21.54	16.38
10	Caroline County	22.83	35.75	31.71	43.37	15.19
Sub Rate 1.*	Top Ten Counties	22.79	22.93	18.58	21.93	21.36
Sub Rate 2.**	All Other Counties	10.29	10.45	8.56	9.91	9.60
Total Rate	All Counties	11.83	11.61	11.02	11.64	10.93

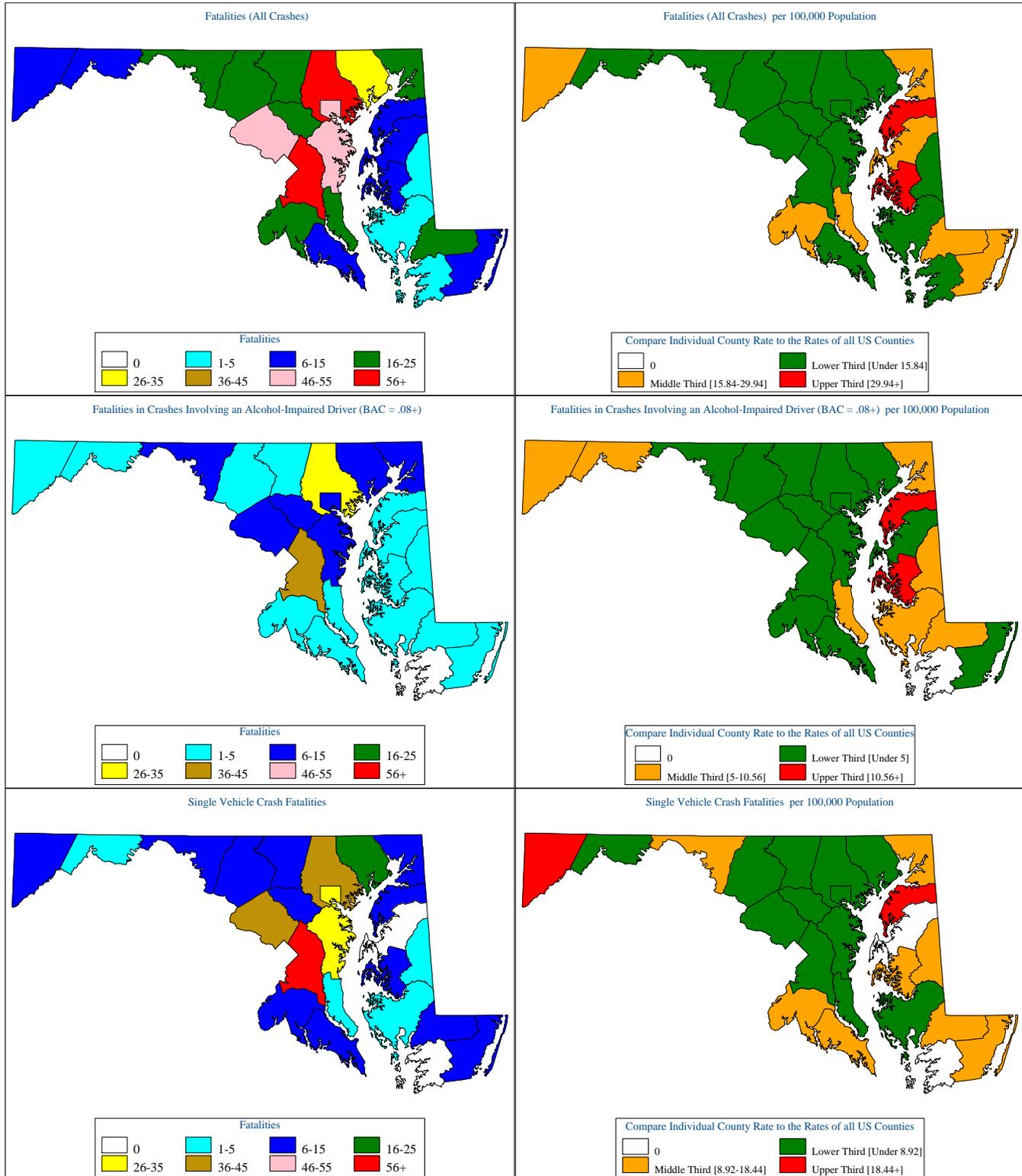
*This Sub Rate is the Rate for the Top Ten Counties

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

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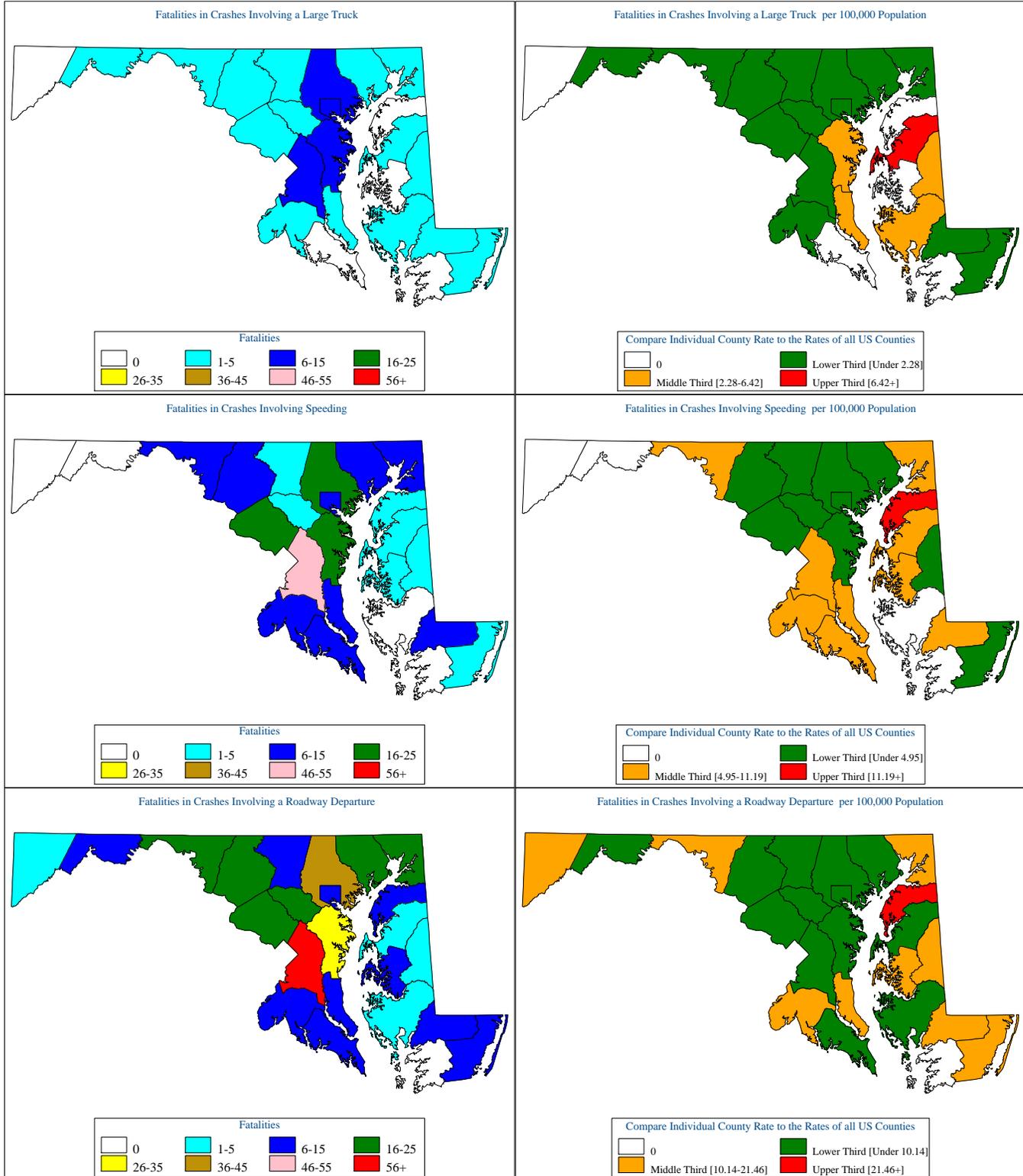
Maryland Motor Vehicle Crash Fatality Maps for 2007



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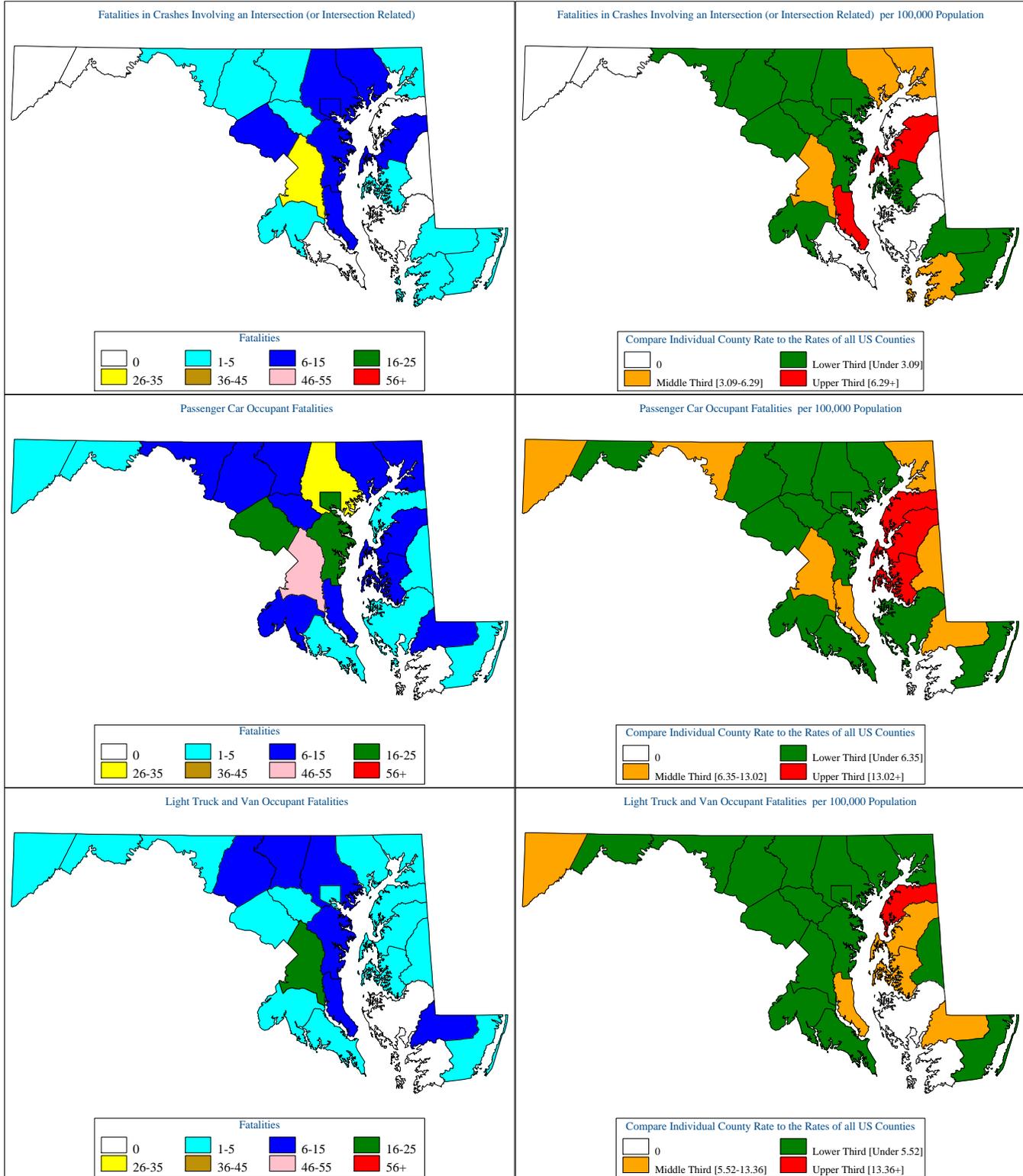
Maryland Motor Vehicle Crash Fatality Maps for 2007



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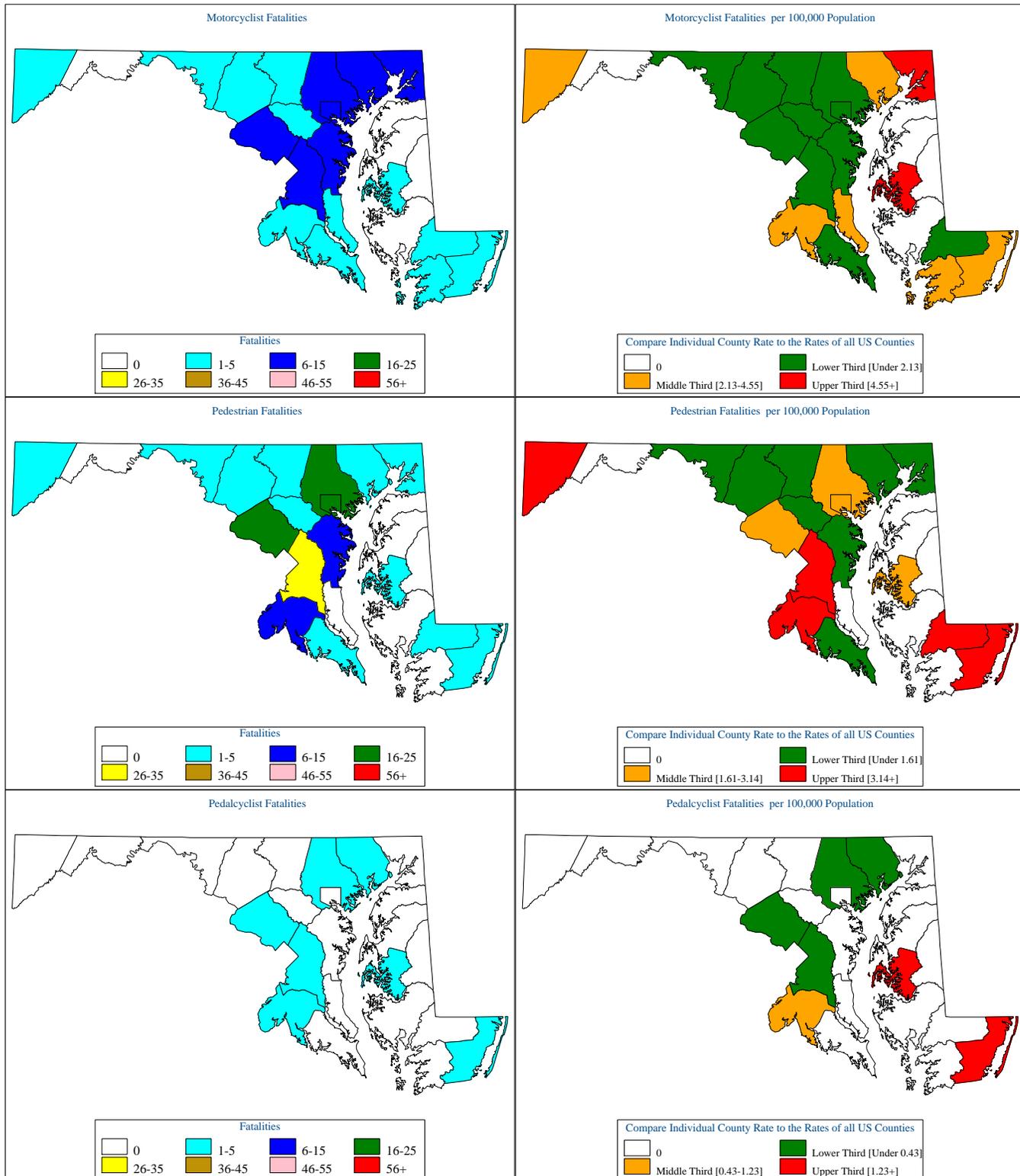
Maryland Motor Vehicle Crash Fatality Maps for 2007



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Maryland Motor Vehicle Crash Fatality Maps for 2007



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