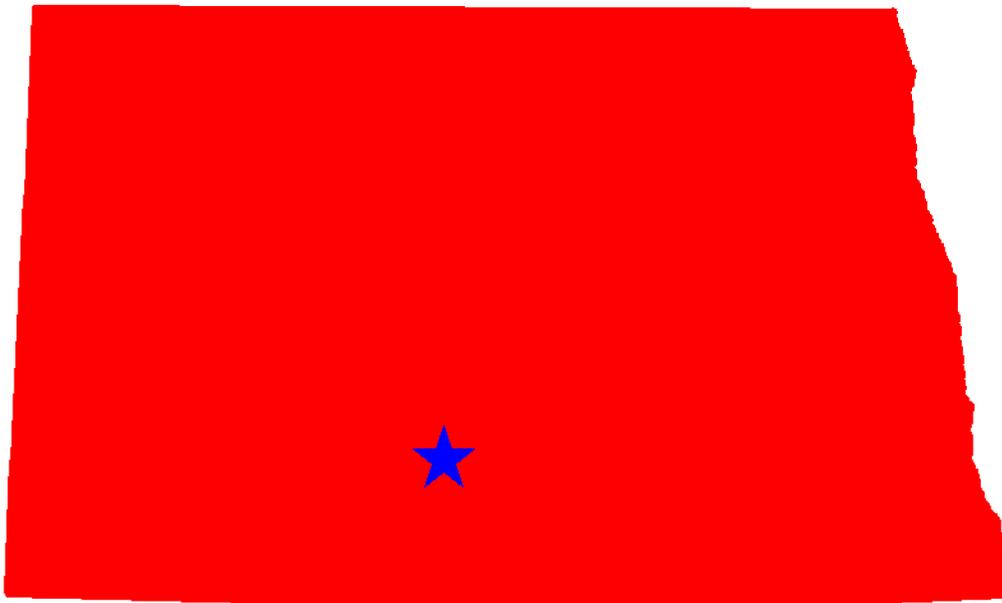




Traffic Safety Facts North Dakota 2003-2007



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 North Dakota 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 North Dakota *

Core Outcome Measures		Year				
		2003	2004	2005	2006	2007
Total Traffic Fatalities		105	100	123	111	111
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.41	1.32	1.62	1.41	
	Rural	1.52	1.48	1.99	1.92	
	Urban	1.06	0.86	0.60	0.17	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	82	82	94	91	92
	Restrained	16	23	22	30	27
	Unrestrained	61	55	66	60	58
	Unknown	5	4	6	1	7
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		46	34	46	42	53
Speeding-Related Fatalities		32	23	28	40	45
Motorcyclist Fatalities	Total	4	9	6	4	8
	Helmeted	0	4	1	0	1
	Unhelmeted	4	5	5	4	7
	Unknown	0	0	0	0	0
Drivers Involved in Fatal Crashes	Total	137	135	132	134	120
	Aged Under 15	3	3	2	2	0
	Aged 15-20	28	14	19	24	22
	Aged Under 21	31	17	21	26	22
	Aged 21 and Over	105	118	111	108	98
	Unknown Age	1	0	0	0	0
Pedestrian Fatalities		7	5	9	4	5

*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: North Dakota , 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	North Dakota	105	7,468	1.41	633,159	16.58
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	North Dakota	100	7,594	1.32	636,814	15.70
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	North Dakota	123	7,570	1.62	635,938	19.34
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	North Dakota	111	7,890	1.41	637,460	17.41
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	North Dakota	111			639,715	17.35
	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**:
 North Dakota , 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	North Dakota	105	53	50	46	44	0.62
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	North Dakota	100	39	39	35	35	0.46
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	North Dakota	123	59	48	46	37	0.61
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	North Dakota	111	50	45	44	40	0.56
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	North Dakota	111	63	57	58	52	
	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**:
North Dakota , 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	North Dakota	105	46	44	0.62
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	North Dakota	100	34	34	0.45
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	North Dakota	123	46	37	0.61
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	North Dakota	111	42	38	0.53
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	North Dakota	111	53	48	
	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

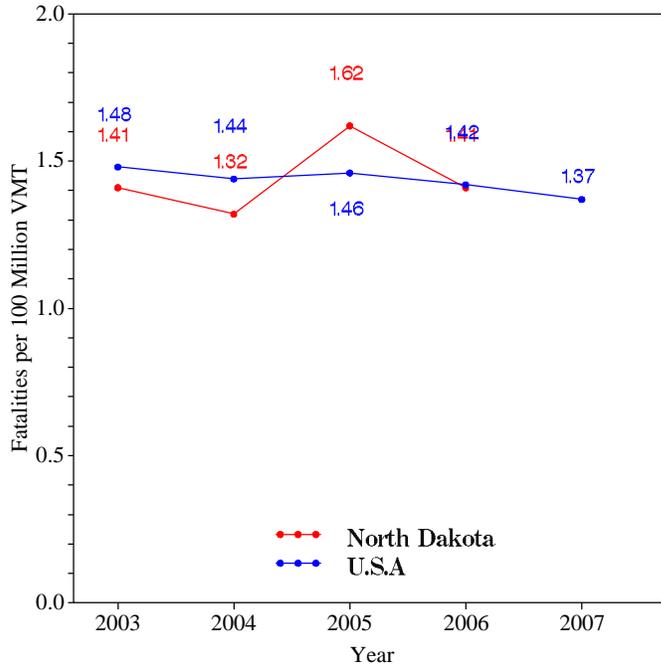
2007 National VMT is a Preliminary Estimate and Subject to Change

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

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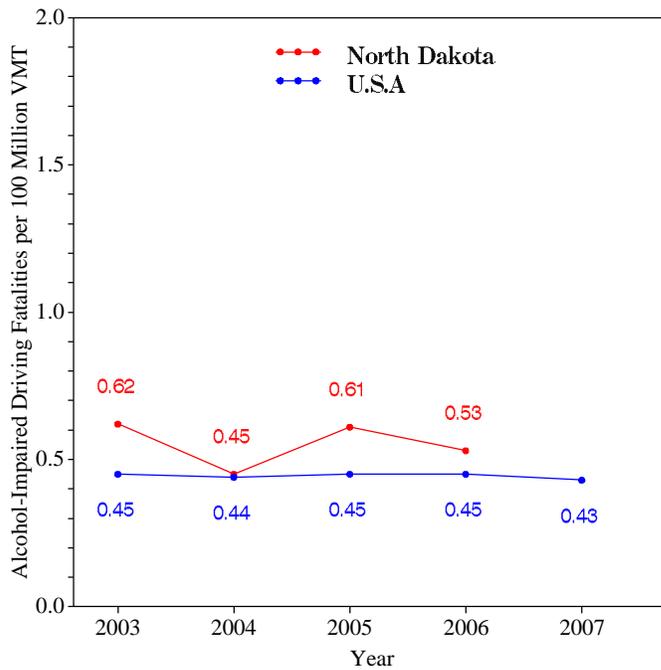


Fatalities per 100 Million VMT



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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:
North Dakota , 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	North Dakota	64	21	33	73	64	88	137	85	62
	US	31,738	8,196	26	26,779	18,836	70	58,517	27,032	46
	Best State*			76			98			83
2004	North Dakota	60	8	13	75	62	83	135	70	52
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	North Dakota	46	15	33	86	73	85	132	88	67
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	North Dakota	56	11	20	78	63	81	134	74	55
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	North Dakota	52	18	35	68	63	93	120	81	68
	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 North Dakota , U.S. and Best State

Table with 4 columns: Year, State, Fatalities - Restrained**, Observed - Restrained***. Rows include data for years 2003-2007 for North Dakota, US, and Best State*.

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

**Percent Based Only Where Restraint Use Was Known

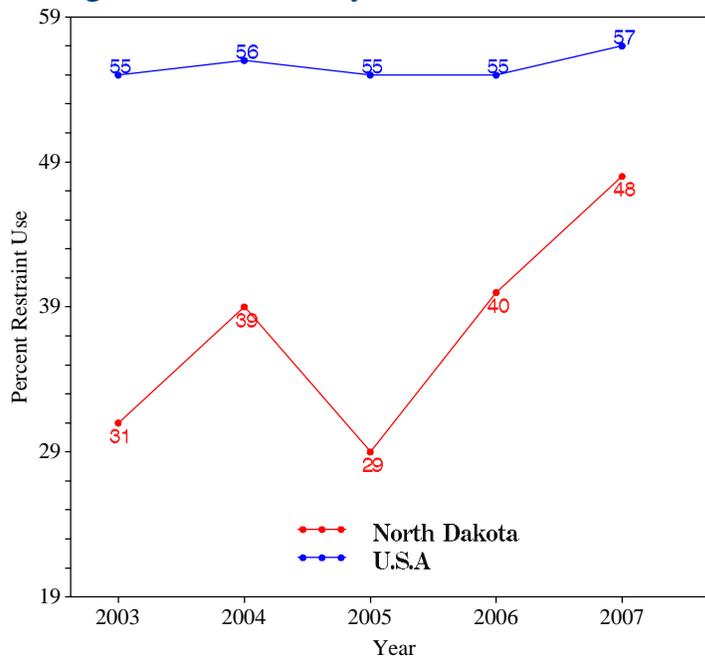
***USA Data: National Occupant Protection Use Survey. North Dakota Data: State Survey

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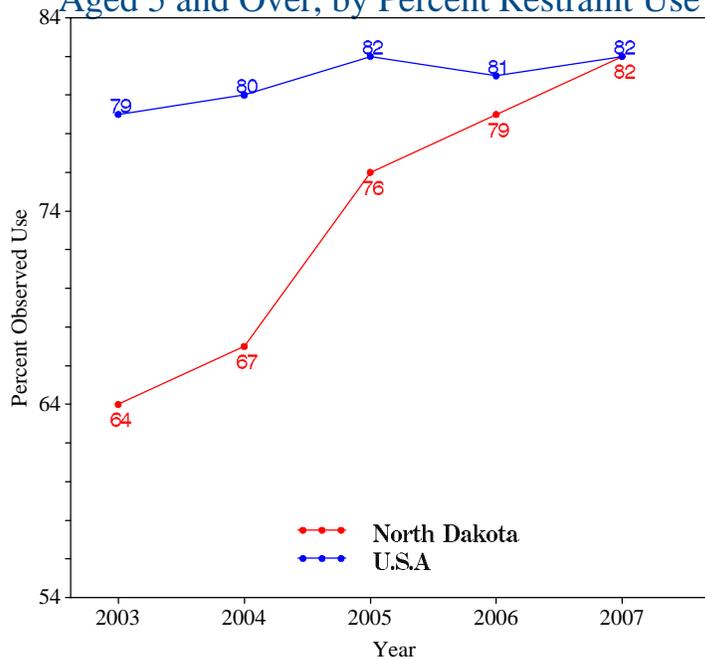
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*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. North Dakota 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	81	15	61	5	20	18	22
2004	81	22	55	4	29	26	23
2005	93	21	66	6	24	23	19
2006	89	30	58	1	34	39	20
2007	91	26	58	7	31	33	18

*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	1	1	0	0	100	0	0
2004	1	1	0	0	100	1	0
2005	1	1	0	0	100	1	0
2006	0	0	2	0	0	0	1
2007	1	1	0	0	100	1	

*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	0	0	4	0	0	0	1
2004	9	4	5	0	44	2	2
2005	6	1	5	0	17	1	1
2006	0	0	4	0	0	0	1
2007	8	1	7	0	13	1	3

*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	41	39	38	38	41	33	42	38	34	31
	Light Truck - Pickup	27	26	26	26	33	27	18	16	28	25
	Light Truck - Utility	8	8	13	13	12	10	19	17	21	19
	Light Truck - Van	6	6	4	4	7	6	10	9	8	7
	Light Truck - Other	0	0	1	1	1	1	2	2	1	1
	Large Truck	1	1	0	0	3	2	6	5	3	3
	Bus	1	1	0	0	0	0	0	0	0	0
	Other/Unknown Occupants	10	10	2	2	9	7	6	5	3	3
	Total Occupants	94	90	84	84	106	86	103	93	98	88
Motorcyclists	Total Motorcyclists	4	4	9	9	6	5	4	4	8	7
Nonoccupants	Pedestrian	7	7	5	5	9	7	4	4	5	5
	Bicyclist and Other Cyclist	0	0	2	2	2	2	0	0	0	0
	Total Nonoccupants	7	7	7	7	11	9	4	4	5	5
Total	Total	105	100	100	100	123	100	111	100	111	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)*	105	100	123	111	111
- (1) Single Vehicle	56	57	80	70	76
- (2) Involving a Large Truck	16	15	17	19	12
- (3) Involving Speeding	32	23	28	40	45
- (4) Involving a Rollover	48	38	67	62	67
- (5) Involving a Roadway Departure	48	35	70	64	76
- (6) Involving an Intersection (or Intersection Related)	37	25	18	19	14

(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
	20-29	30-39	40-49	50-59	>59	
2003	0	2	2	0	0	4
2004	1	0	2	5	1	9
2005	2	0	0	4	0	6
2006	0	1	1	2	0	4
2007	3	2	2	1	0	8

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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	4	19,154	20.88
2004	9	20,953	42.95
2005	6	23,151	25.92
2006	4	25,353	15.78
2007	8		

*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	2	1	1	1
	White Non-Hispanic	73	76	95	86
	Black, Non-Hispanic	0	1	0	0
	American Indian, Non-Hispanic/Unknown	22	10	16	20
	Asian, Non-Hispanic/Unknown	0	1	0	0
	Multiple Races, Non-Hispanic/Unknown	1	0	0	0
	All Other Non-Hispanic or Race	0	4	0	0
	Total	98	93	112	107
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	0	0	0	0
	White Non-Hispanic	7	6	8	1
	Black, Non-Hispanic	0	0	0	0
	American Indian, Non-Hispanic/Unknown	0	1	3	3
	Asian, Non-Hispanic/Unknown	0	0	0	0
	Multiple Races, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	0	0	0	0
Total	7	7	11	4	
Total	105	100	123	111	

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	Rolette County	6	3	8	6	10	6	3	7	5	9
2	Cass County	5	5	14	6	7	5	5	11	5	6
3	Morton County	2	4	6	5	7	2	4	5	5	6
4	Ward County	6	6	6	5	7	6	6	5	5	6
5	Sioux County	5	2	4	4	6	5	2	3	4	5
6	Bowman County	0	1	2	2	5	0	1	2	2	5
7	Burleigh County	6	3	5	3	5	6	3	4	3	5
8	Mountrail County	5	5	2	2	5	5	5	2	2	5
9	Grand Forks County	5	12	5	8	4	5	12	4	7	4
10	McKenzie County	4	2	4	6	4	4	2	3	5	4
Sub Total 1.* <i>Top Ten Counties</i>		53	53	65	60	60	50	53	53	54	54
Sub Total 2.** <i>All Other Counties</i>		52	47	58	51	51	50	47	47	46	46
Total <i>All Counties</i>		105	100	123	111	111	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	Rolette County	6	3	8	6	10	-50	167	-25	67
2	Cass County	5	5	14	6	7	0	180	-57	17
3	Morton County	2	4	6	5	7	100	50	-17	40
4	Ward County	6	6	6	5	7	0	0	-17	40
5	Sioux County	5	2	4	4	6	-60	100	0	50
6	Bowman County	0	1	2	2	5	0	100	0	150
7	Burleigh County	6	3	5	3	5	-50	67	-40	67
8	Mountrail County	5	5	2	2	5	0	-60	0	150
9	Grand Forks County	5	12	5	8	4	140	-58	60	-50
10	McKenzie County	4	2	4	6	4	-50	100	50	-33
Sub Total 1.*	Top Ten Counties	53	53	65	60	60	0	23	-8	0
Sub Total 2.**	All Other Counties	52	47	58	51	51	-10	23	-12	0
Total	All Counties	105	100	123	111	111	-5	23	-10	0

*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	Slope County	0.00	0.00	0.00	0.00	303.49	
2	Bowman County	0.00	32.62	67.43	68.14	169.84	
3	Sioux County	123.49	48.91	97.73	95.26	142.08	
4	Griggs County	78.43	40.08	40.44	41.24	125.16	
5	Dunn County	0.00	89.15	0.00	60.17	90.69	
6	Renville County	0.00	0.00	0.00	0.00	86.43	
7	Mountrail County	77.29	76.70	30.80	31.17	77.15	
8	Rolette County	44.17	22.01	58.71	44.10	73.18	
9	McKenzie County	72.67	36.56	72.20	108.26	71.21	
10	Foster County	57.26	0.00	0.00	28.34	57.31	
Sub Rate 1.*		Top Ten Counties	83.03	79.22	108.56	78.53	93.13
Sub Rate 2.**		All Other Counties	12.42	11.83	14.29	12.82	11.60
Total Rate		All Counties	16.58	15.70	19.34	17.41	17.35

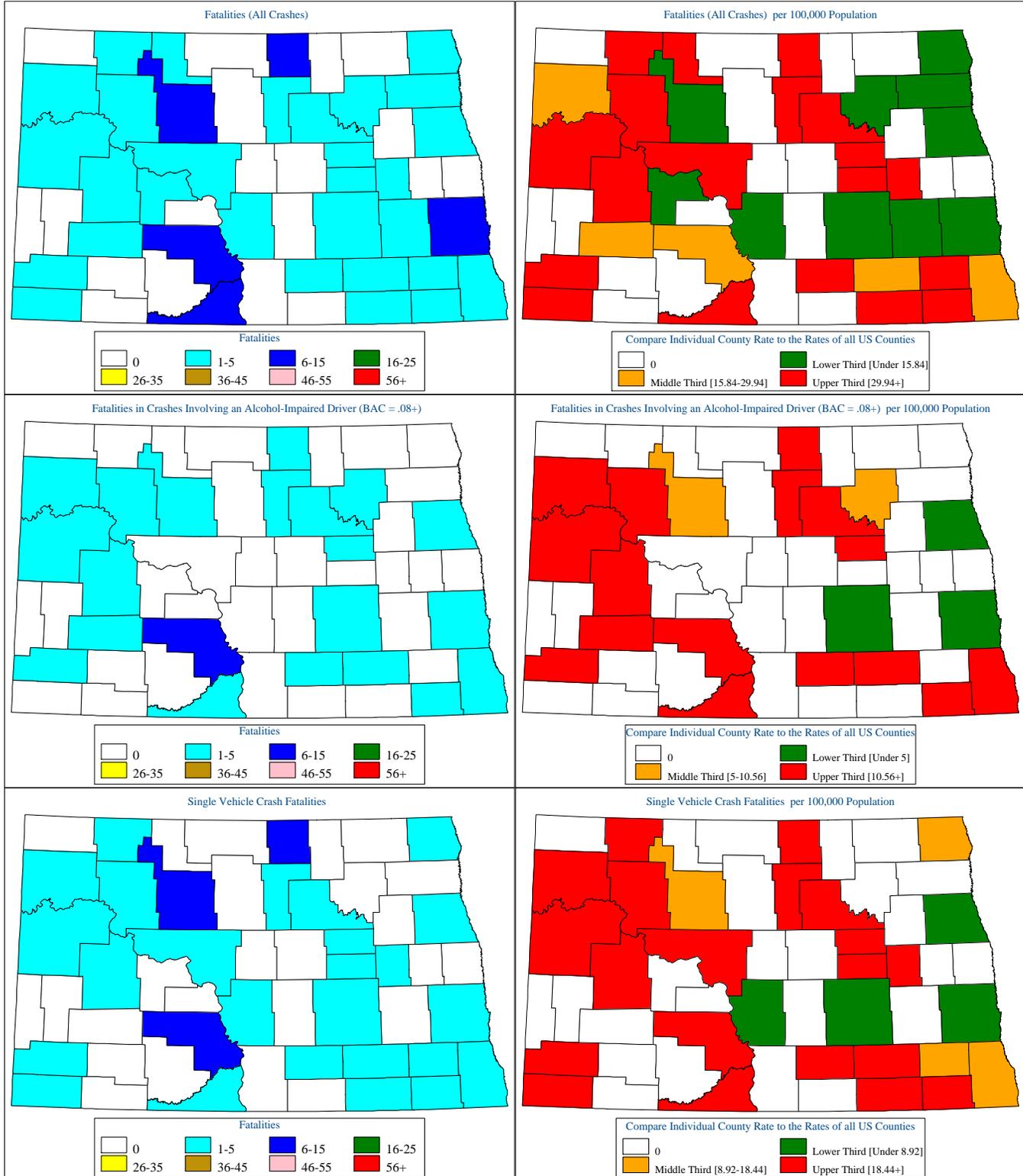
*This Sub Rate is the Rate for the Top Ten Counties

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

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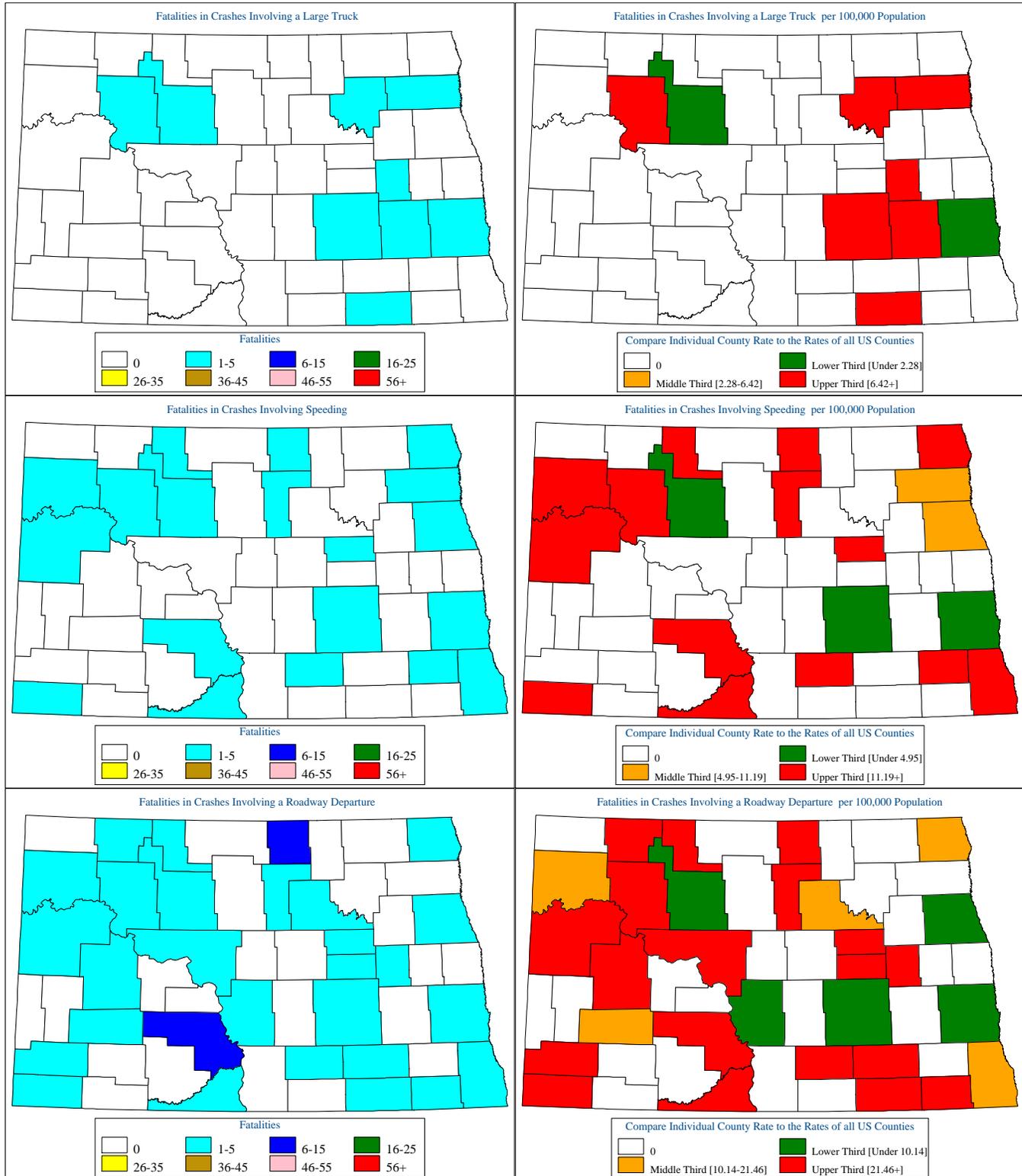
North Dakota Motor Vehicle Crash Fatality Maps for 2007



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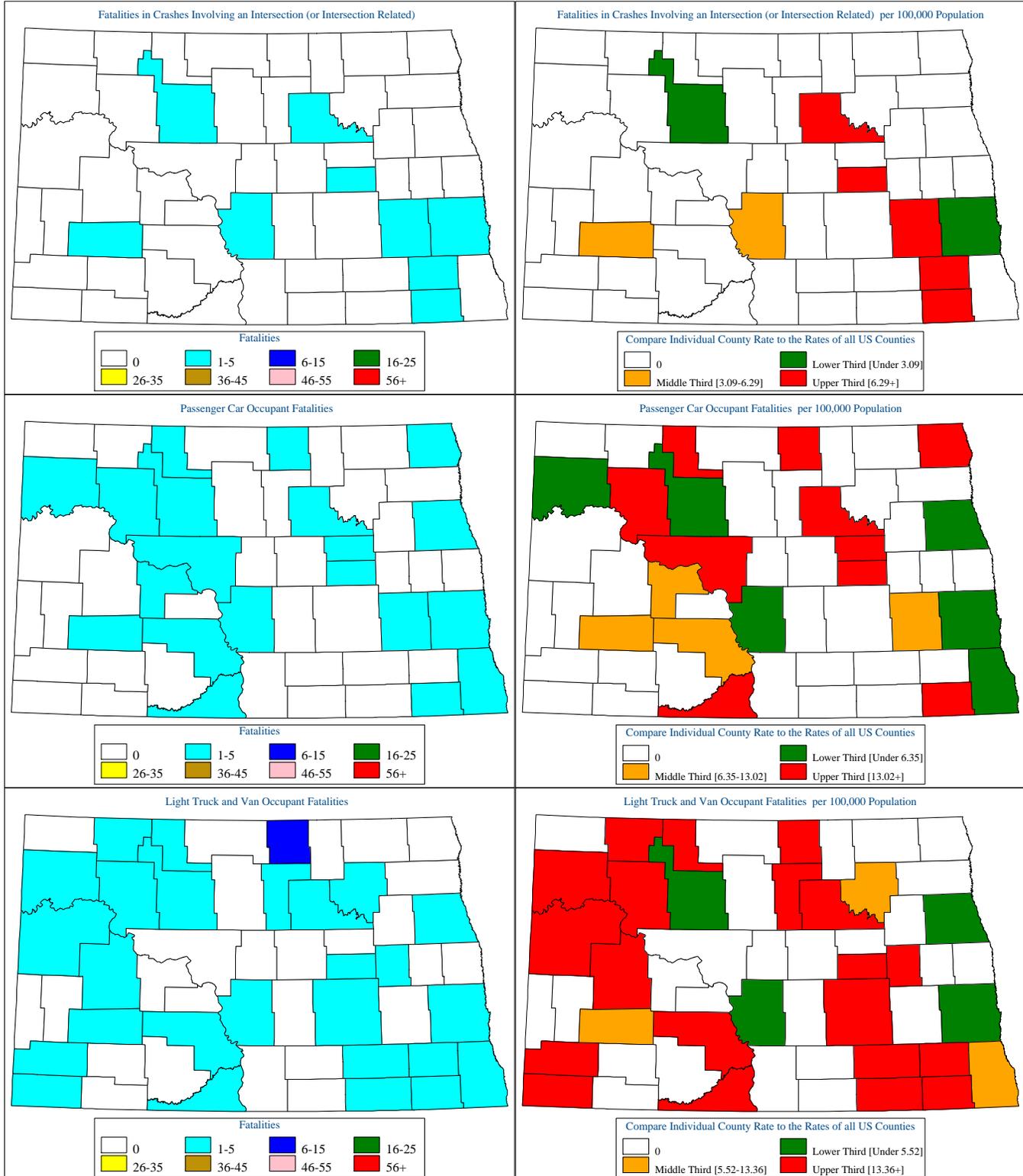
North Dakota Motor Vehicle Crash Fatality Maps for 2007



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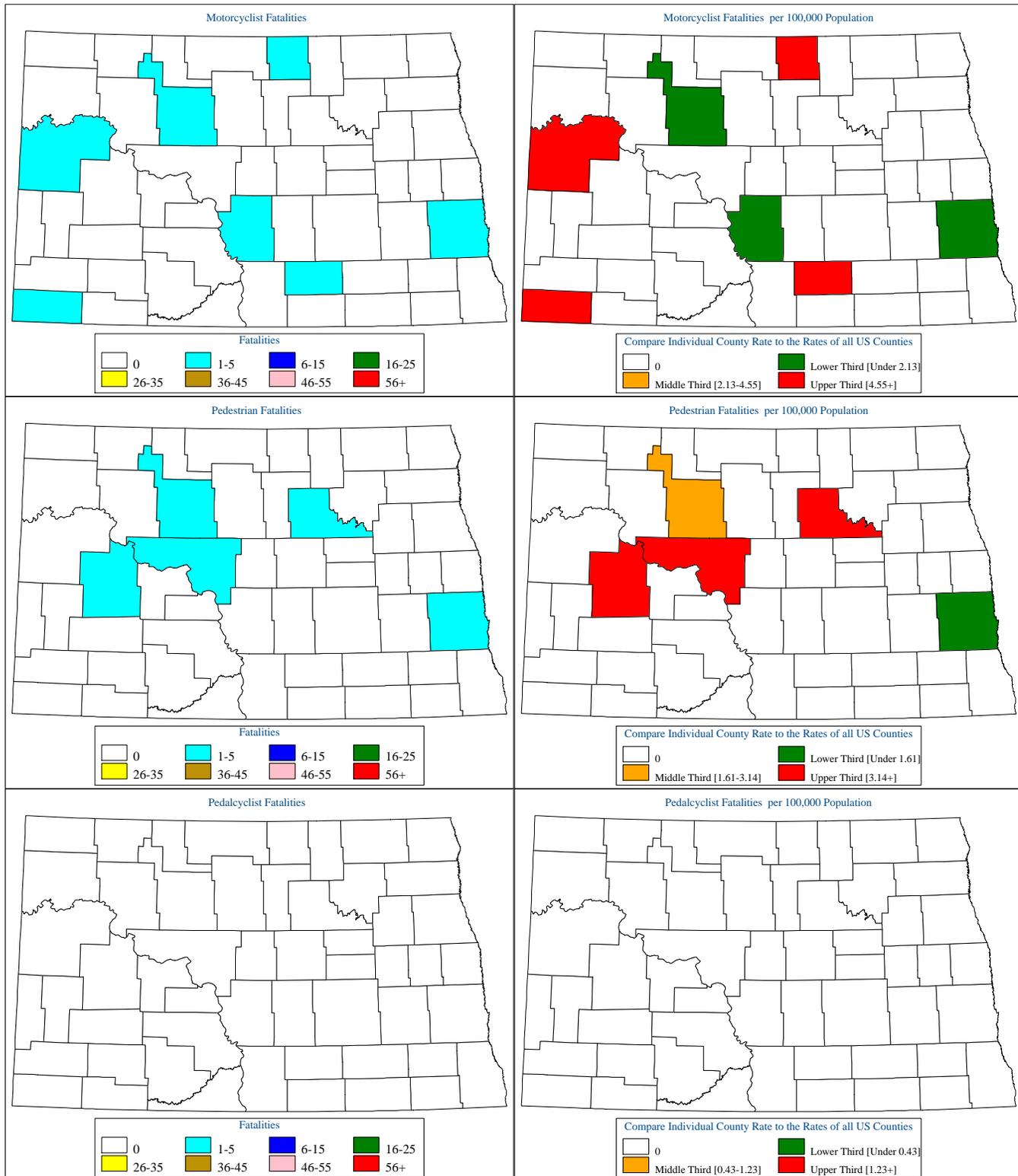
North Dakota Motor Vehicle Crash Fatality Maps for 2007



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North Dakota Motor Vehicle Crash Fatality Maps for 2007



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