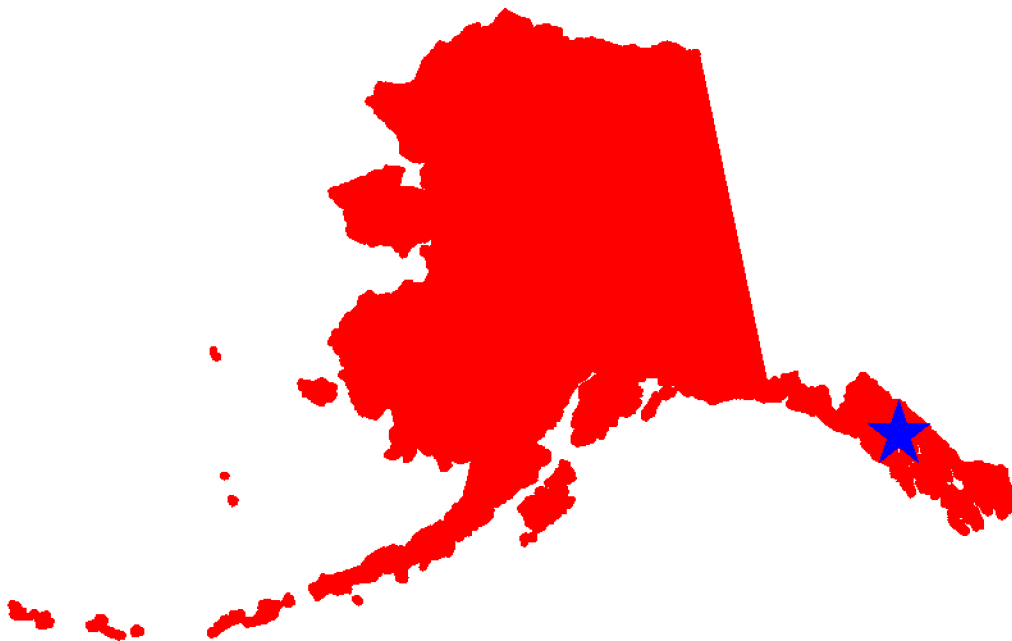




## Traffic Safety Facts Alaska 2005-2009



This Report Contains Data From the Following Sources:

- Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2005-2008 Final File and 2009 Annual Report File (ARF)
- Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Alaska 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 Alaska

Core Outcome Measures		Year				
		2005	2006	2007	2008	2009
<b>Traffic Fatalities</b>	<b>Total</b>	73	74	82	62	64
	<b>Rural</b>	52	44	44	48	38
	<b>Urban</b>	20	29	38	14	26
	<b>Unknown</b>	1	1	0	0	0
<b>Fatalities Per 100 Million Vehicle Miles Driven</b>	<b>Total</b>	1.45	1.49	1.59	1.27	1.30
	<b>Rural</b>	2.11	1.81	1.71	2.01	1.64
	<b>Urban</b>	0.78	1.14	1.48	0.57	0.99
<b>Passenger Vehicle Occupant Fatalities (All Seat Positions)</b>	<b>Total</b>	54	46	53	43	40
	<b>Restrained</b>	27	28	22	20	19
	<b>Unrestrained</b>	22	17	28	23	12
	<b>Unknown</b>	5	1	3	0	9
<b>Alcohol-Impaired Driving Fatalities (BAC=.08+)**</b>		29	19	25	21	20
<b>Speeding-Related Fatalities</b>		28	30	35	35	26
<b>Motorcyclist Fatalities</b>	<b>Total</b>	4	9	6	8	7
	<b>Helmeted</b>	3	7	4	6	5
	<b>Unhelmeted</b>	1	2	1	2	2
	<b>Unknown</b>	0	0	1	0	0
<b>Drivers Involved in Fatal Crashes</b>	<b>Total</b>	103	108	116	91	88
	<b>Aged Under 15</b>	1	0	0	0	0
	<b>Aged 15-20</b>	12	17	21	17	10
	<b>Aged Under 21</b>	13	17	21	17	10
	<b>Aged 21 and Over</b>	90	91	94	73	78
	<b>Unknown Age</b>	0	0	1	1	0
<b>Pedestrian Fatalities</b>		7	9	13	3	9

\*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)

\*\*Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

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### Fatality Rates: Alaska , 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
2005	Alaska	73	5,035	1.45	669,488	10.90
	US	43,510	2,989,430	1.46	295,753,151	14.71
	Best State*			0.80		6.83
2006	Alaska	74	4,967	1.49	677,325	10.93
	US	42,708	3,014,371	1.42	298,593,212	14.30
	Best State*			0.78		6.34
2007	Alaska	82	5,153	1.59	682,297	12.02
	US	41,259	3,031,124	1.36	301,579,895	13.68
	Best State*			0.79		6.54
2008	Alaska	62	4,865	1.27	688,125	9.01
	US	37,423	2,976,528	1.26	304,374,846	12.30
	Best State*			0.67		5.56
2009	Alaska	64	4,933	1.30	698,473	9.16
	US	33,808	2,953,501	1.14	307,006,550	11.01
	Best State*			0.61		4.84

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

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**Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash\*\*:**  
**Alaska , 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
2005	Alaska	73	37	51	0.73	33	45	0.66
	US	43,510	17,590	40	0.59	15,102	35	0.51
	Best State*			14	0.16		12	0.14
2006	Alaska	74	23	31	0.46	20	27	0.40
	US	42,708	17,738	42	0.59	15,144	35	0.50
	Best State*			24	0.26		20	0.22
2007	Alaska	82	39	48	0.76	31	38	0.60
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Alaska	62	30	48	0.62	24	39	0.49
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Alaska	64	26	41	0.53	23	36	0.47
	US	33,808	14,188	42	0.48	12,233	36	0.41
	Best State*			23	0.22		18	0.16

\*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

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Alcohol-Impaired Driving Fatalities\*\*:  
Alaska , U.S. and Best State  
(New Definition)

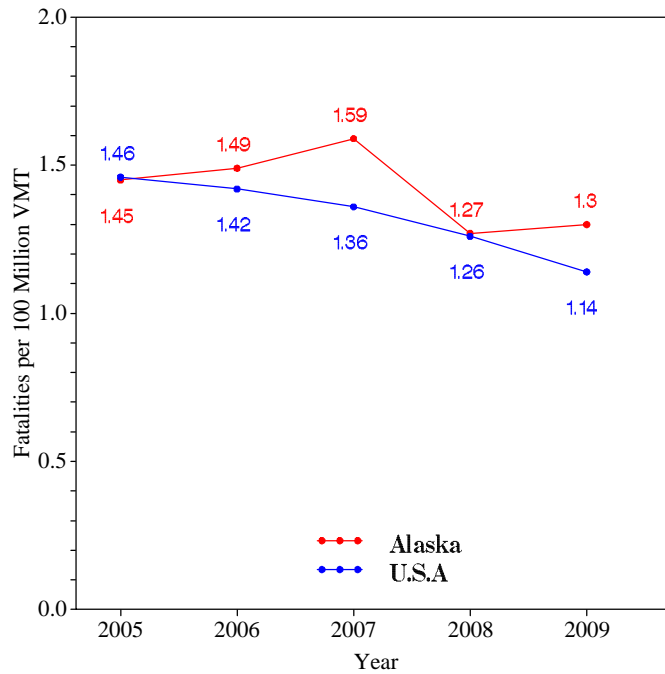
Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2005	Alaska	73	29	40	0.58
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Alaska	74	19	26	0.38
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Alaska	82	25	30	0.49
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	Alaska	62	21	34	0.43
	US	37,423	11,711	31	0.39
	Best State*			16	0.16
2009	Alaska	64	20	31	0.41
	US	33,808	10,839	32	0.37
	Best State*			16	0.15

\*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

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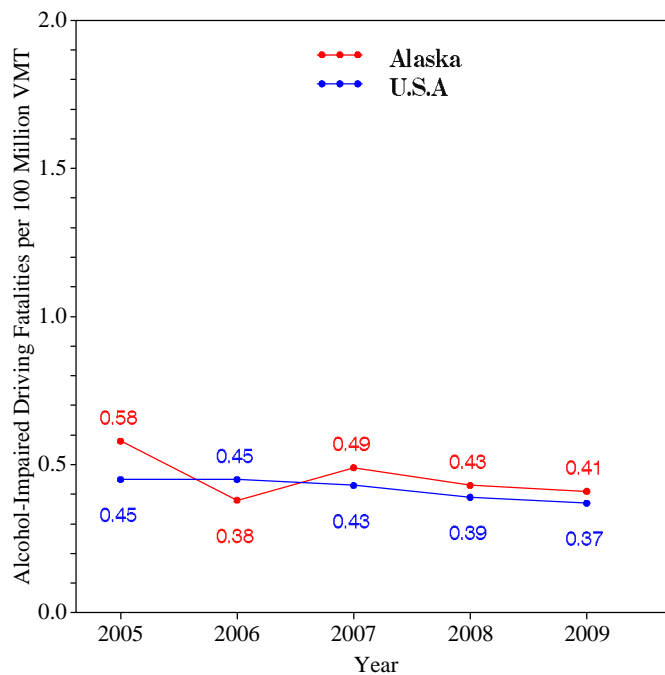


### Fatalities per 100 Million VMT



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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:  
Alaska , 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
2005	Alaska	57	24	42	46	38	83	103	62	60
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	Alaska	61	29	48	47	17	36	108	46	43
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Alaska	70	40	57	46	14	30	116	54	47
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	Alaska	51	38	75	40	34	85	91	72	79
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52
	Best State*			81			99			85
2009	Alaska	55	37	67	33	22	67	88	59	67
	US	23,432	6,372	27	21,798	15,505	71	45,230	21,877	48
	Best State*			86			97			90

\*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  
Alaska , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2005	Alaska	60	78
	US	55	82
	Best State*	88	95
2006	Alaska	77	83
	US	55	81
	Best State*	100	96
2007	Alaska	50	82
	US	57	82
	Best State*	82	98
2008	Alaska	61	85
	US	56	83
	Best State*	78	97
2009	Alaska	62	86
	US	58	84
	Best State*	77	98

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

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

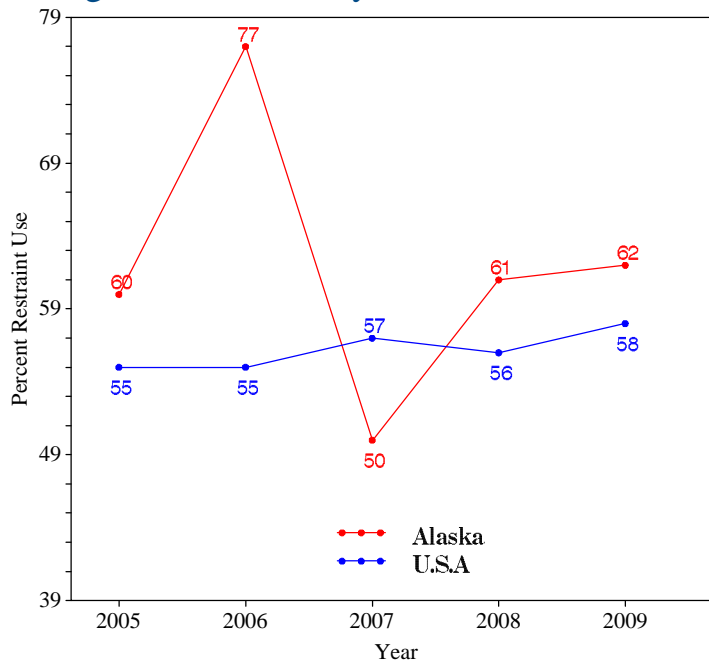
\*\*\*USA Data: National Occupant Protection Use Survey. Alaska Data: State Survey

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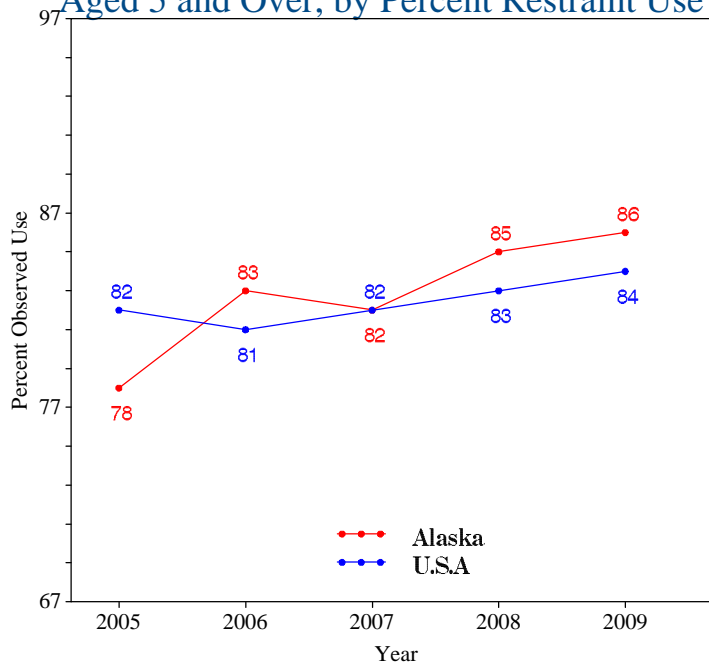
### Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use\*



\*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. Alaska Data: State Survey

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### 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
2005	53	26	22	5	54	34	11
2006	45	28	16	1	64	33	10
2007	52	21	28	3	43	27	12
2008	43	20	23	0	47	26	8
2009	39	18	12	9	60	30	7

\*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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### 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
2005	1	1	0	0	100	1
2006	1	0	1	0	0	0
2007	1	1	0	0	100	1
2008	0	0	0	0		0
2009	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 Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2005	4	3	1	0	75	2	0
2006	9	7	2	0	78	4	1
2007	6	4	1	1	80	4	0
2008	8	6	2	0	75	4	1
2009	7	5	2	0	71	3	1

\*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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## Fatalities by Person Type

Person Type		2005		2006		2007		2008		2009	
		#	%*	#	%*	#	%*	#	%*	#	%*
<b>Occupants</b>	<b>Passenger Car</b>	30	41	26	35	31	38	26	42	20	31
	<b>Light Truck - Pickup</b>	10	14	6	8	16	20	5	8	9	14
	<b>Light Truck - Utility</b>	9	12	13	18	3	4	9	15	10	16
	<b>Light Truck - Van</b>	5	7	1	1	3	4	3	5	1	2
	<b>Large Truck</b>	1	1	1	1	1	1	1	2	0	0
	<b>Other/Unknown Occupants</b>	5	7	7	9	7	9	6	10	5	8
	<b><i>Total Occupants</i></b>	60	82	54	73	61	74	50	81	45	70
<b>Motorcyclists</b>	<b><i>Total Motorcyclists</i></b>	4	5	9	12	6	7	8	13	7	11
<b>Nonoccupants</b>	<b>Pedestrian</b>	7	10	9	12	13	16	3	5	9	14
	<b>Bicyclist and Other Cyclist</b>	1	1	1	1	2	2	1	2	2	3
	<b>Other/Unknown Nonoccupants</b>	1	1	1	1	0	0	0	0	1	2
	<b><i>Total Nonoccupants</i></b>	9	12	11	15	15	18	4	6	12	19
<b>Total</b>	<b><i>Total</i></b>	73	100	74	100	82	100	62	100	64	100

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

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### Fatalities by Crash Type

Crash Type	2005	2006	2007	2008	2009
<b>Total Fatalities (All Crashes)*</b>	73	74	82	62	64
<b>- (1) Single Vehicle</b>	38	43	45	29	38
<b>- (2) Involving a Large Truck</b>	5	4	4	5	3
<b>- (3) Involving Speeding</b>	28	30	35	35	26
<b>- (4) Involving a Rollover</b>	28	24	23	19	21
<b>- (5) Involving a Roadway Departure</b>	50	36	42	37	29
<b>- (6) Involving an Intersection (or Intersection Related)</b>	10	19	20	15	10

(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	
2005	1	1	0	1	0	1	4
2006	0	2	2	1	2	2	9
2007	0	3	0	0	2	1	6
2008	0	3	0	2	1	2	8
2009	0	3	1	2	1	0	7

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### Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2005	4	22,230	17.99
2006	9	24,122	37.31
2007	6	25,720	23.33
2008	8	27,946	28.63
2009	7	29,177	23.99

\*Data Source: FHWA

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

Person Type by Race/Hispanic Origin		2005	2006	2007	2008
<b>Occupants (All Vehicle Types)</b>	<b>Hispanic</b>	0	1	1	1
	<b>White Non-Hispanic</b>	62	49	45	44
	<b>Black, Non-Hispanic</b>	0	0	2	2
	<b>American Indian, Non-Hispanic/Unknown</b>	2	11	15	10
	<b>Asian, Non-Hispanic/Unknown</b>	0	1	0	0
	<b>Pacific Islander, Non-Hispanic/Unknown</b>	0	0	1	0
	<b>All Other Non-Hispanic or Race</b>	0	1	3	1
	<b>Total</b>	64	63	67	58
<b>Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)</b>					
	<b>Hispanic</b>	0	0	0	0
	<b>White Non-Hispanic</b>	3	6	3	0
	<b>Black, Non-Hispanic</b>	0	0	0	0
	<b>American Indian, Non-Hispanic/Unknown</b>	6	5	11	4
	<b>Asian, Non-Hispanic/Unknown</b>	0	0	1	0
	<b>Pacific Islander, Non-Hispanic/Unknown</b>	0	0	0	0
	<b>All Other Non-Hispanic or Race</b>	0	0	0	0
<b>Total</b>	9	11	15	4	
<b>Total</b>	73	74	82	62	

2009 Race/Hispanic Origin Data is Not Yet Complete

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### 5 Year Trend For The Top 10 Counties of 2009 - Fatalities

Counties by 2009 Ranking		Fatalities					Percent of Total				
		2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
1	Anchorage Borough	19	22	25	18	25	26	30	30	29	39
2	Kenai Peninsula Borough	14	11	9	14	11	19	15	11	23	17
3	Matanuska-Susitna Borough	18	11	11	14	10	25	15	13	23	16
4	Fairbanks North Star Borough	11	12	19	3	5	15	16	23	5	8
5	Juneau Borough	1	1	1	0	3	1	1	1	0	5
6	Nome Census Area	1	2	0	2	2	1	3	0	3	3
7	Valdez-Cordova Census Area	2	2	2	1	2	3	3	2	2	3
8	Denali Borough	0	3	0	2	1	0	4	0	3	2
9	Dillingham Census Area	0	0	0	0	1	0	0	0	0	2
10	Ketchikan Gateway Borough	0	1	2	0	1	0	1	2	0	2
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	69	66	79	61	61	96	90	96	98	95
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	3	7	3	1	3	4	10	4	2	5
<b>Total</b>	<b>All Counties</b>	72	73	82	62	64	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 2009 - Fatalities Year to Year Percent Change

Counties by 2009 Ranking		Fatalities					Percent Change From Previous Year			
		2005	2006	2007	2008	2009	2006	2007	2008	2009
1	Anchorage Borough	19	22	25	18	25	16	14	-28	39
2	Kenai Peninsula Borough	14	11	9	14	11	-21	-18	56	-21
3	Matanuska-Susitna Borough	18	11	11	14	10	-39	0	27	-29
4	Fairbanks North Star Borough	11	12	19	3	5	9	58	-84	67
5	Juneau Borough	1	1	1	0	3	0	0	-100	0
6	Nome Census Area	1	2	0	2	2	100	-100	0	0
7	Valdez-Cordova Census Area	2	2	2	1	2	0	0	-50	100
8	Denali Borough	0	3	0	2	1	0	-100	0	-50
9	Dillingham Census Area	0	0	0	0	1	0	0	0	0
10	Ketchikan Gateway Borough	0	1	2	0	1	0	100	-100	0
<b>Sub Total 1.*</b>	<b>Top Ten Counties</b>	69	66	79	61	61	-4	20	-23	0
<b>Sub Total 2.**</b>	<b>All Other Counties</b>	3	7	3	1	3	133	-57	-67	200
<b>Total</b>	<b>All Counties</b>	72	73	82	62	64	1	12	-24	3

\*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 2009 - Fatality Rates

Median Rate for all U.S. Counties: 18.23

Counties by 2009 Ranking		Fatalities Per 100,000 Population				
		2005	2006	2007	2008	2009
1	Denali Borough	0.00	164.11	0.00	109.83	54.02
2	Valdez-Cordova Census Area	20.38	20.59	21.14	10.72	21.45
3	Nome Census Area	10.66	21.52	0.00	21.45	21.30
4	Dillingham Census Area	0.00	0.00	0.00	0.00	20.17
5	Kenai Peninsula Borough	27.17	21.08	16.91	26.09	20.12
6	Yukon-Koyukuk Census Area	32.95	17.11	51.63	52.52	17.77
7	Wade Hampton Census Area	0.00	0.00	39.56	0.00	12.93
8	Matanuska-Susitna Borough	24.00	13.85	13.35	16.41	11.31
9	Juneau Borough	3.24	3.26	3.27	0.00	9.74
10	Anchorage Borough	6.86	7.86	8.98	6.42	8.74
	<b>Sub Rate 1.*</b> <i>Top Ten Counties</i>	12.77	25.03	19.45	10.82	11.43
	<b>Sub Rate 2.**</b> <i>All Other Counties</i>	1.88	8.53	7.02	0.91	3.78
	<b>Total Rate</b> <i>All Counties</i>	11.00	11.02	12.28	9.21	9.36

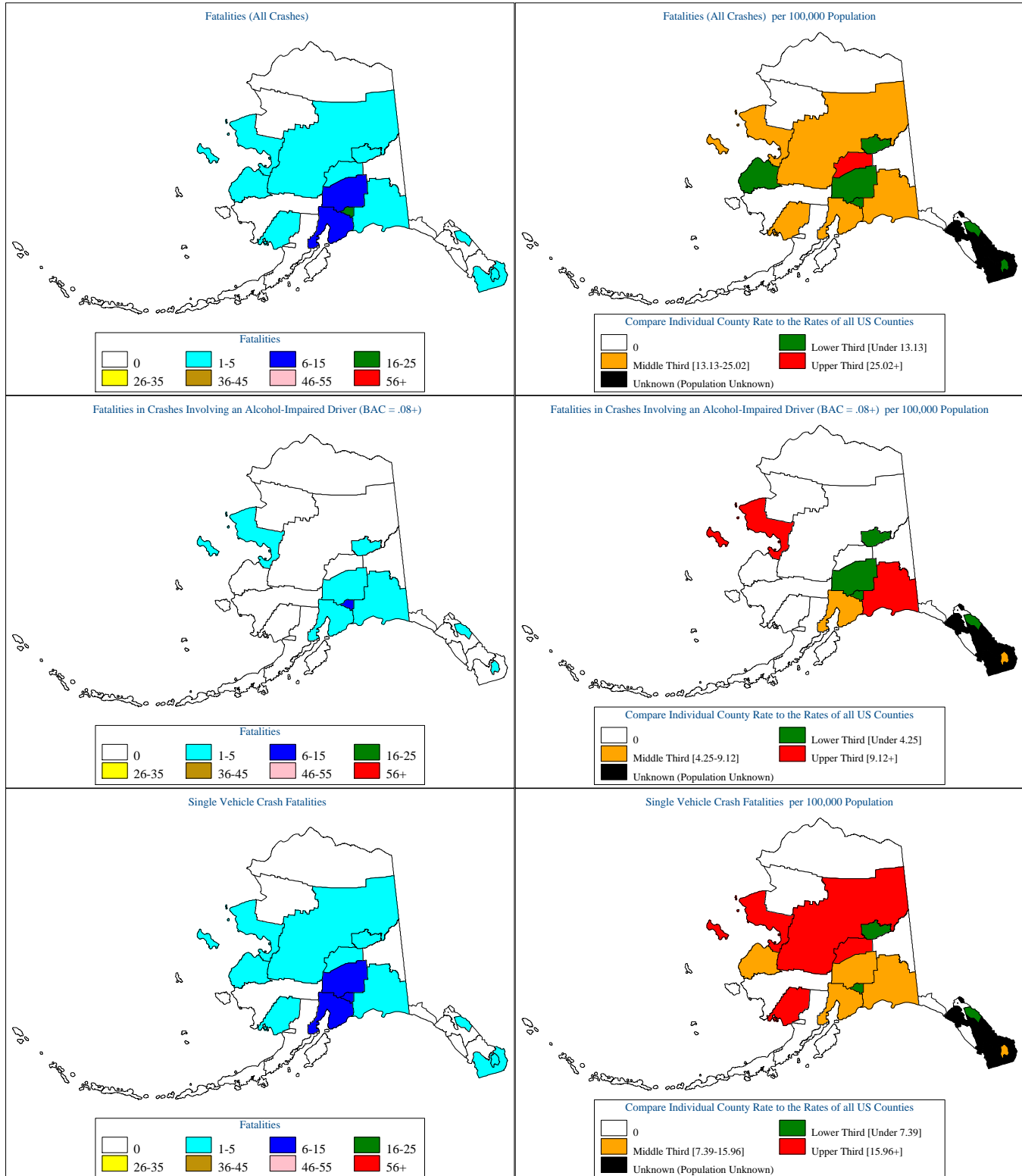
\*This Sub Rate is the Rate for the Top Ten Counties

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

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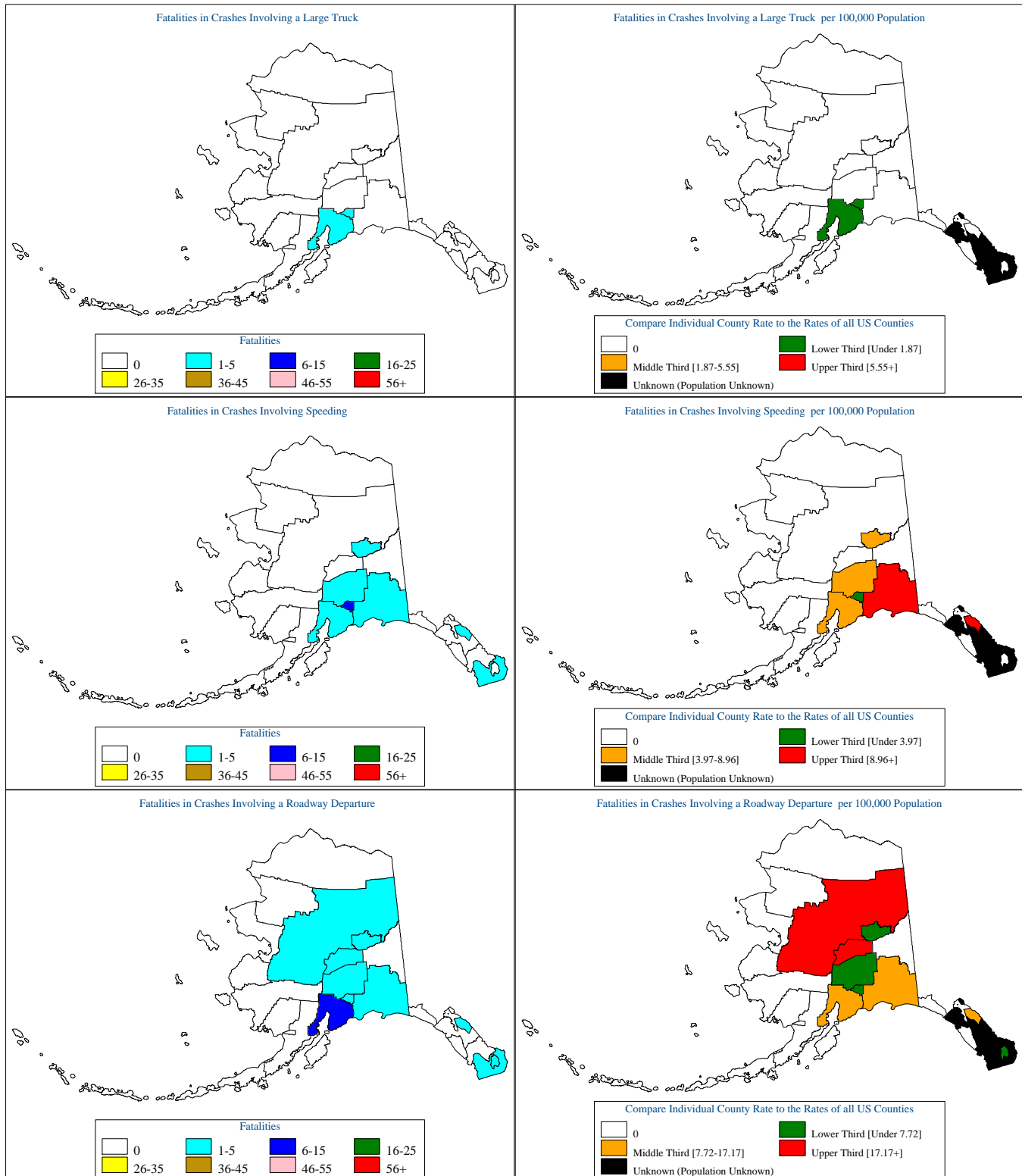
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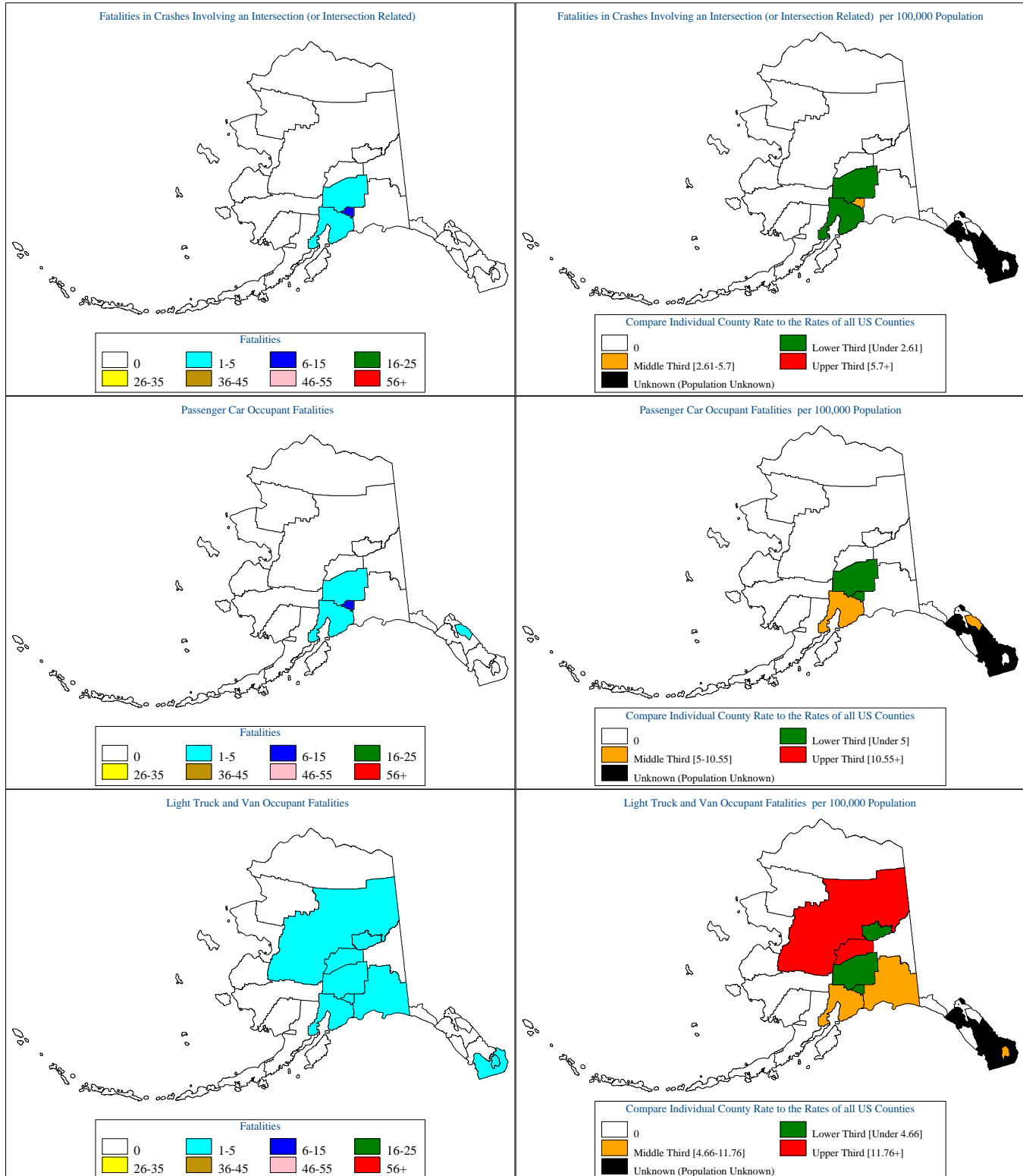
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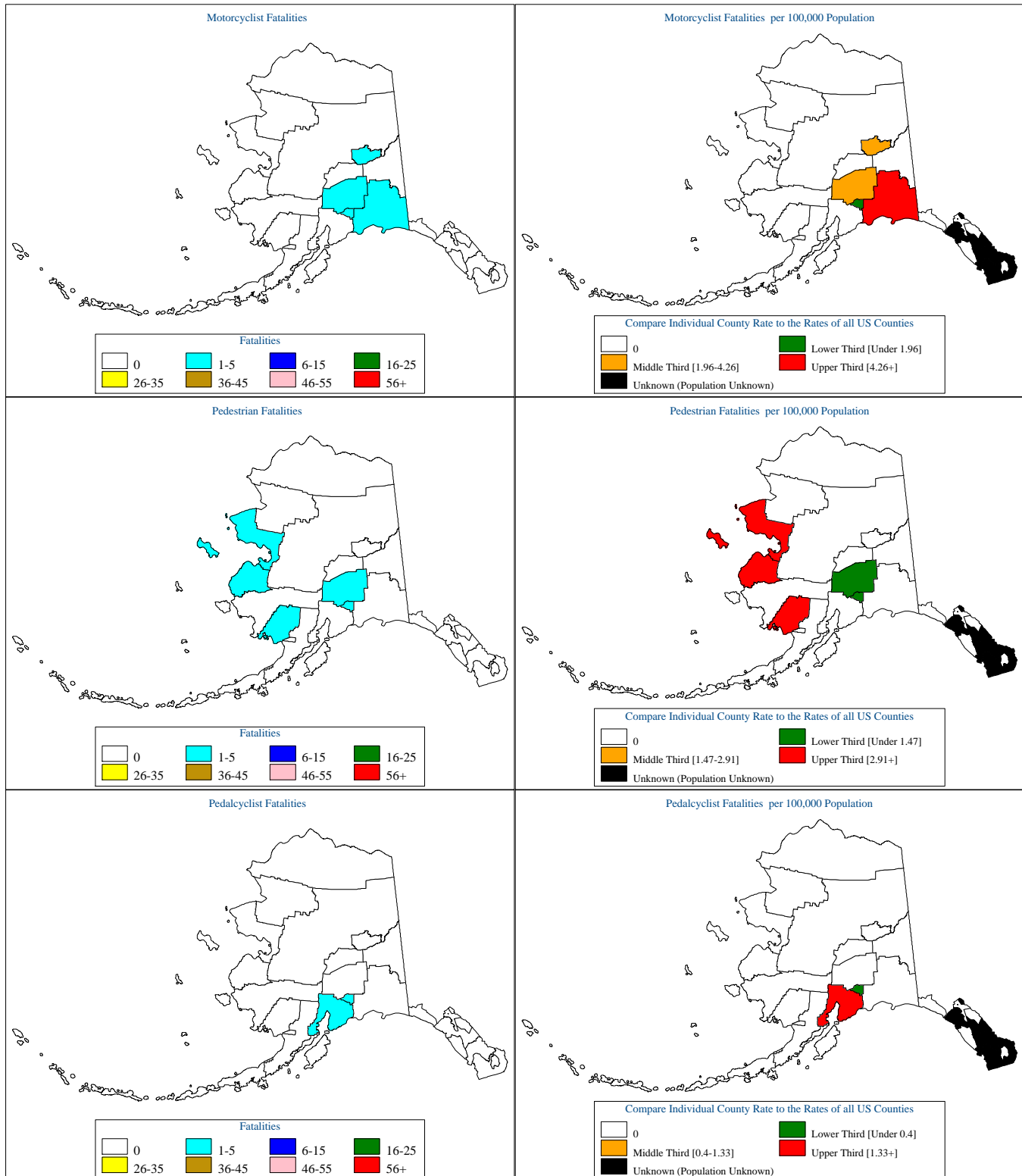
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