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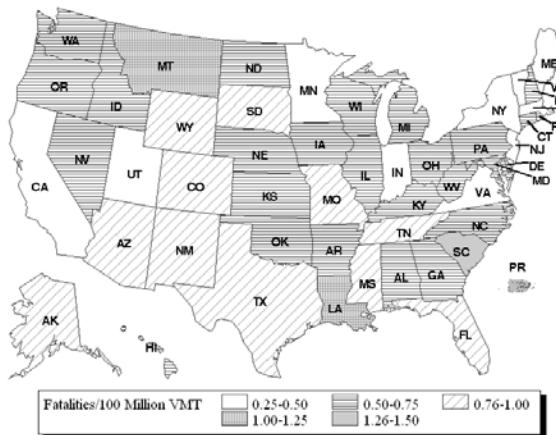
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## Technical Report

# State Alcohol Related Fatality Rates



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15. Supplementary Notes Dennis Utter is the Chief of the Mathematical Analysis Division Rajesh Subramanian is a Programmer Analyst employed by Rainbow Technology, Inc., a contractor for the Mathematical Analysis Division of the National Center for Statistics and Analysis. William Deutermann is a Statistician with the Mathematical Analysis Division.			
16. Abstract  Alcohol related fatalities are defined as fatalities that occur in crashes where at least one driver or nonoccupant (pedestrian or pedalcyclist) involved in the crash has a positive Blood Alcohol Concentration (BAC) value.  This report examines the extent of alcohol related fatalities in traffic crashes across states and over time and normalizes this data by estimating the rate of these fatalities as a function of the Annual Vehicle Miles of Travel (VMT) data for that state. The rate of alcohol related fatalities as a measure of the State's VMT serves as an important metric for States and NHTSA Regions to evaluate the effectiveness of their drunk-driving countermeasures as well as assess the performance of their alcohol programs relative to their states and regions.			
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## Introduction

The purpose of this document is to present rates of alcohol involvement in fatal crashes by state from 1982 to 2001. Also, NHTSA has recently adopted a new methodology to estimate missing alcohol data in FARS and this report documents state-wise historic estimates of alcohol involvement that have been re-calculated using the new methodology.

Alcohol related fatalities are defined as fatalities that occur in crashes where at least one driver or nonoccupant (pedestrian or pedalcyclist) involved in the crash has a positive Blood Alcohol Concentration (BAC) value.

In 2001, about 17,448 fatalities or roughly 41 percent of all fatalities in Motor Vehicle Traffic Crashes were estimated to be alcohol related. The number of fatalities varied widely across the states and over time for various reasons, the most significant of which could be varying exposure. An important metric most frequently used by NHTSA to quantify exposure to the risk of fatal traffic crashes is the Federal Highway Administration's (FHWA) Annual Vehicle Miles of Travel (VMT) data.

This report examines the extent of alcohol related fatalities in traffic crashes across states and over time and normalizes this data by estimating the rate of these fatalities as a function of the Annual VMT data for that state. The rate of alcohol related fatalities serves as an important metric for States and NHTSA Regions to evaluate the effectiveness of their drunk-driving countermeasures as well as to assess the performance of their alcohol programs relative to other states and regions.

## Methodology

The estimates of alcohol involvement in this report are based on known Blood Alcohol Concentration (BAC) values as well as estimated BAC values in those cases where the test results are not known. BAC values have been assigned using statistical procedures<sup>1</sup> to drivers, pedestrians and pedalcyclists involved in fatal crashes only when their alcohol test results are unknown.

The *Alcohol Related Fatality Rate* (AR Rate) in a given year is simply the ratio of the alcohol related fatalities in that year and the VMT as expressed below:

$$AR\ Rate_{Year} = \left[ \frac{(AR\ Fatalities)_{Year}}{VMT_{Year}} \right] * 100$$

FHWA publishes Annual VMT in millions of miles traveled in every state. NHTSA uses these estimates to present its annual fatality rate per 100 million vehicle miles of travel. There is no measure that quantifies the extent of driving under the influence of alcohol. Hence, all rate measures (Total and alcohol-related fatality rates) in this report will be quantified per 100 million vehicle miles of travel.

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<sup>1</sup> NHTSA uses *multiple imputation* to estimate missing BAC values in FARS. For more information refer to *Transitioning to Multiple Imputation: A New Method for estimating missing BAC values in FARS* [DOT HS 809 403]

## Data

The data used throughout this report are from NCSA's Fatality Analysis Reporting System (FARS). Final FARS files are available from 1982 to 2000 and data is available for 2001 in the form of the Annual Report File (ARF – to be updated to a final version early next year).

Supplemental alcohol files containing the crash and person level estimated and known alcohol test results are available for the 1982 to 2001 FARS data. These data are combined with the FARS files to generate estimates of alcohol involvement by state and county.

Annual VMT data by state is released by the Federal Highway Administration (FHWA). Further classification of this data by county is not available.

Information on the status of impaired driving legislations has been extracted from NHTSA's 2001 Traffic Safety Facts Annual Report (NHTSA, 2002). Variations occur for some states as new laws were enacted in 2001.

## Tabulations

This section presents estimated rates of alcohol involvement for each state from 1982, the first data year for which NHTSA began reporting alcohol data, to 2001, the most recent year for which data is available.

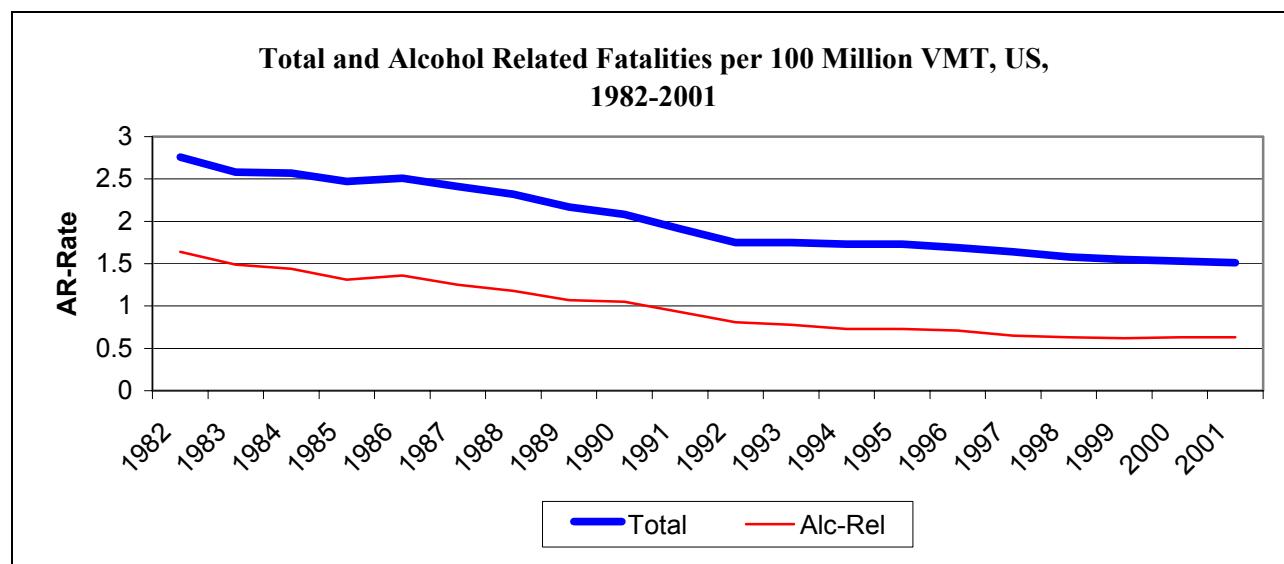
For each state, there are three Tables, a chart and a map that depict the data. The tables are:

- A Table showing the number of total (Tot) and alcohol related fatalities (Alc-Rel), alcohol related fatalities as a proportion of total fatalities (%), total and alcohol related fatality rate per 100 Million VMT.
- A Table depicting the percent change in alcohol related fatality rate over the last 10, 5, 3 and 1 year periods as well as the change from 1982 as well as provide comparisons with the corresponding rates for the U.S. for those periods of time.
- A Table outlining the BAC levels of *per se* Impaired Driving Legislations and where available, the *Effective Date* of such a law.
- A chart with trend lines from 1982 to 2001 for Total Fatality Rates for the State and the U.S. as well as Alcohol Related Fatality Rate for the State and the U.S.
- A map for each state that depicts the alcohol related fatalities by county for the state.

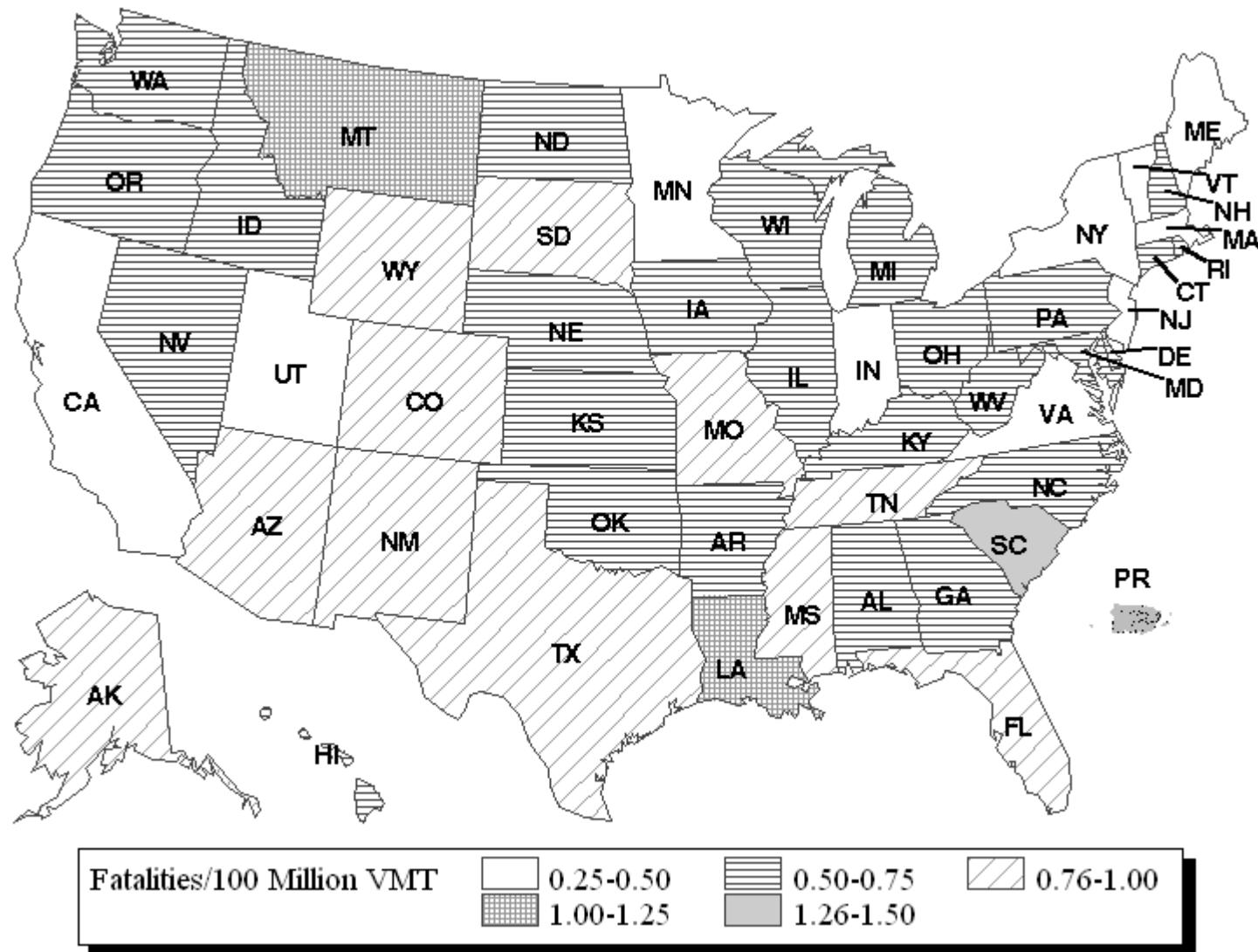
## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate		USA
	Tot	Alc-Rel	%	Tot	Alc-Rel	
<b>1982</b>	43,945	26,173	60	2.76	1.64	
<b>1983</b>	42,589	24,635	58	2.58	1.49	
<b>1984</b>	44,257	24,762	56	2.57	1.44	
<b>1985</b>	43,825	23,167	53	2.47	1.31	
<b>1986</b>	46,087	25,017	54	2.51	1.36	
<b>1987</b>	46,390	24,094	52	2.41	1.25	
<b>1988</b>	47,087	23,833	51	2.32	1.18	
<b>1989</b>	45,582	22,424	49	2.17	1.07	
<b>1990</b>	44,599	22,587	51	2.08	1.05	
<b>1991</b>	41,508	20,159	49	1.91	0.93	
<b>1992</b>	39,250	18,290	47	1.75	0.81	
<b>1993</b>	40,150	17,908	45	1.75	0.78	
<b>1994</b>	40,716	17,308	43	1.73	0.73	
<b>1995</b>	41,817	17,732	42	1.73	0.73	
<b>1996</b>	42,065	17,749	42	1.69	0.71	
<b>1997</b>	42,013	16,711	40	1.64	0.65	
<b>1998</b>	41,501	16,673	40	1.58	0.63	
<b>1999</b>	41,717	16,572	40	1.55	0.62	
<b>2000</b>	41,945	17,380	41	1.53	0.63	
<b>2001</b>	42,116	17,448	41	1.51	0.63	

Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series



## Alcohol Related Fatalities per 100 Million VMT by State, 2001



The Table below compares the alcohol related fatality rate by state for 1982 and 2001.

<b>Alcohol Related Fatalities per 100 Million Vehicle Miles of Travel by State, 1982 and 2001 and Percentage Change from the 1982 Rate</b>							
<b>State</b>	<b>1982</b>	<b>2001</b>	<b>% Change</b>	<b>State</b>	<b>1982</b>	<b>2001</b>	<b>% Change</b>
Alabama	1.63	0.66	-60%	Montana	2.56	1.04	-59%
Alaska	1.85	0.91	-51%	Nebraska	1.15	0.53	-54%
Arizona	2.07	0.96	-54%	Nevada	2.98	0.73	-76%
Arkansas	2.01	0.66	-67%	New Hampshire	1.59	0.57	-64%
California	1.65	0.5	-70%	New Jersey	1.2	0.43	-64%
Colorado	1.73	0.76	-56%	New Mexico	3.16	0.92	-71%
Connecticut	1.77	0.51	-71%	New York	1.41	0.38	-73%
Delaware	1.79	0.75	-58%	North Carolina	1.92	0.58	-70%
DC	0.62	1.01	63%	North Dakota	1.85	0.73	-61%
Florida	1.77	0.81	-54%	Ohio	1.35	0.57	-58%
Georgia	1.54	0.52	-66%	Oklahoma	2.03	0.61	-70%
Hawaii	1.7	0.69	-59%	Oregon	1.66	0.55	-67%
Idaho	1.68	0.69	-59%	Pennsylvania	1.47	0.64	-56%
Illinois	1.54	0.6	-61%	Rhode Island	1.2	0.61	-49%
Indiana	1.29	0.47	-64%	South Carolina	1.82	1.27	-30%
Iowa	1.29	0.52	-60%	South Dakota	1.41	0.98	-30%
Kansas	1.43	0.69	-52%	Tennessee	1.92	0.79	-59%
Kentucky	1.88	0.53	-72%	Texas	2.24	0.83	-63%
Louisiana	2.45	1.08	-56%	Utah	1.1	0.29	-74%
Maine	1.23	0.45	-63%	Vermont	1.76	0.36	-80%
Maryland	1.24	0.56	-55%	Virginia	1.19	0.46	-61%
Massachusetts	1.11	0.44	-60%	Washington	1.54	0.52	-66%
Michigan	1.42	0.52	-63%	West Virginia	2.23	0.68	-70%
Minnesota	1.1	0.42	-62%	Wisconsin	1.46	0.64	-56%
Mississippi	2.47	0.78	-68%	Wyoming	2.23	0.94	-58%
Missouri	1.38	0.77	-44%	<b>U.S. Total</b>	<b>1.64</b>	<b>0.63</b>	<b>-62%</b>
Puerto Rico	3.03	1.38	-54%				
Source: 1982,(Final) FARS File and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series							

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	839	486	58	2.81	1.63
<b>1983</b>	930	573	62	3.00	1.85
<b>1984</b>	932	537	58	2.83	1.63
<b>1985</b>	882	439	50	2.51	1.25
<b>1986</b>	1,081	609	56	3.18	1.79
<b>1987</b>	1,111	596	54	2.97	1.59
<b>1988</b>	1,024	503	49	2.58	1.27
<b>1989</b>	1,029	527	51	2.52	1.29
<b>1990</b>	1,121	583	52	2.65	1.38
<b>1991</b>	1,116	551	49	2.60	1.28
<b>1992</b>	1,031	498	48	2.25	1.09
<b>1993</b>	1,044	476	46	2.21	1.01
<b>1994</b>	1,083	472	44	2.21	0.96
<b>1995</b>	1,114	494	44	2.20	0.98
<b>1996</b>	1,146	516	45	2.23	1.00
<b>1997</b>	1,192	499	42	2.23	0.93
<b>1998</b>	1,071	442	41	1.94	0.80
<b>1999</b>	1,138	465	41	2.03	0.83
<b>2000</b>	996	426	43	1.76	0.75
<b>2001</b>	994	376	38	1.75	0.66

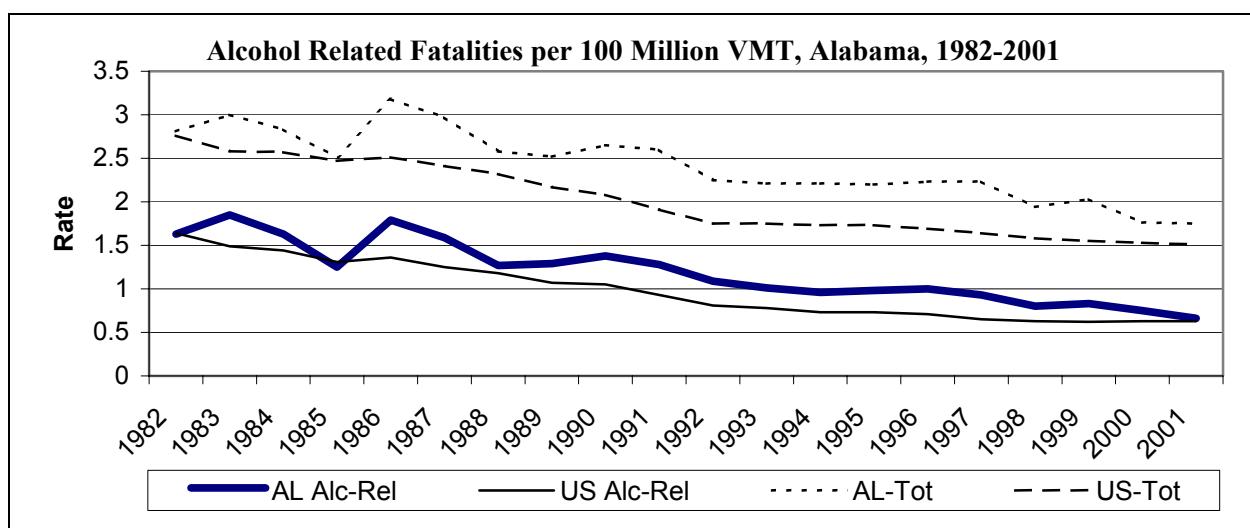
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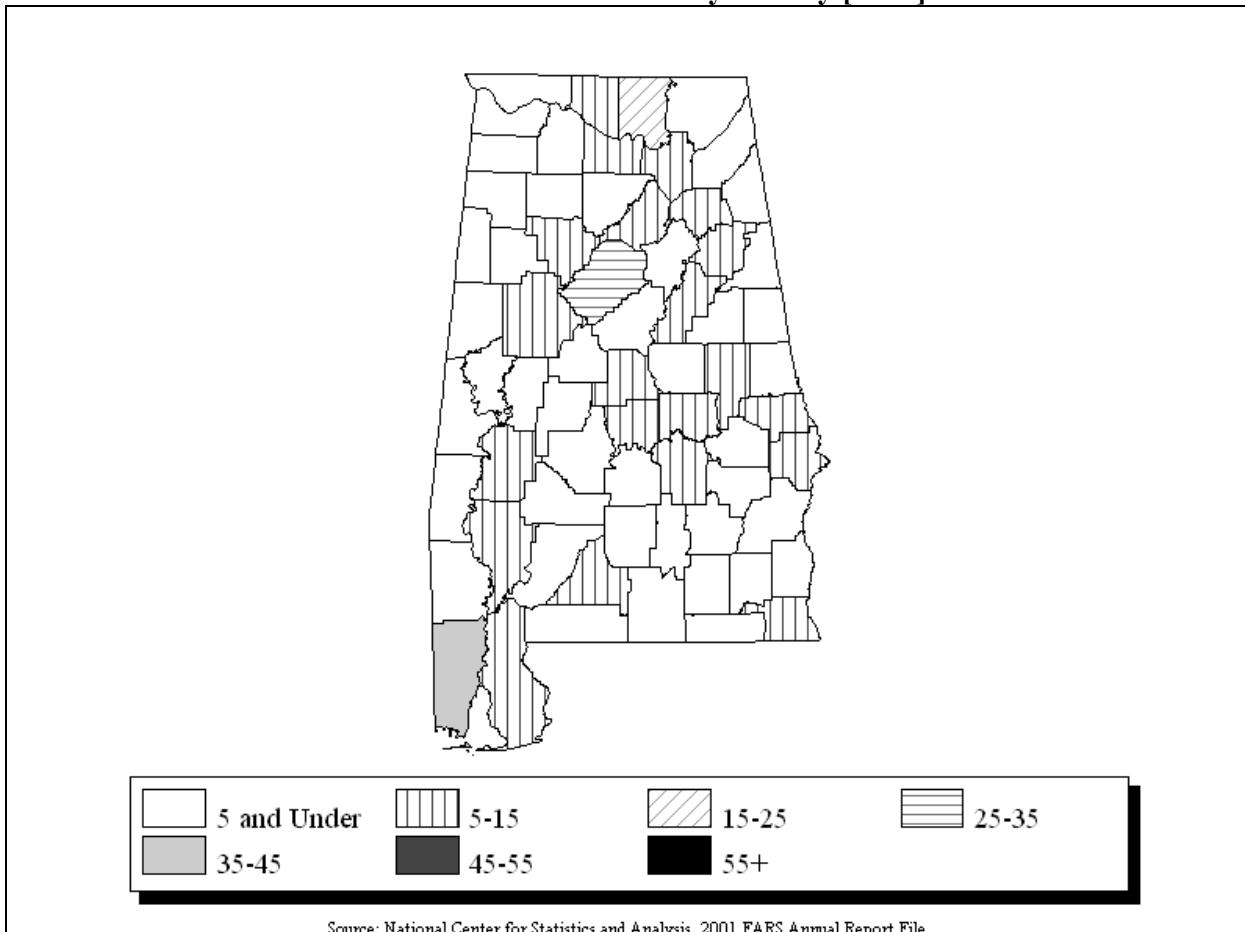
## ALABAMA

Change in AR-Rates over time, Alabama vs. US		
Time Period	Alabama	US
<b>1982 to 2001</b>	-60%	-62%
Last 10 years	-48%	-32%
Last 5 years	-34%	-11%
Last 3 Years	-18%	0%
Last 1 Year	-12%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se	0.08
BAC Level	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(10/01/95)</i>
Youthful (Under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	105	64	61	3.03	1.85
<b>1983</b>	150	88	59	4.47	2.62
<b>1984</b>	134	88	66	3.48	2.29
<b>1985</b>	127	78	61	3.17	1.95
<b>1986</b>	101	57	56	2.53	1.43
<b>1987</b>	76	44	58	1.95	1.13
<b>1988</b>	97	57	59	2.45	1.44
<b>1989</b>	84	48	58	2.16	1.23
<b>1990</b>	98	51	52	2.51	1.30
<b>1991</b>	101	49	48	2.51	1.22
<b>1992</b>	108	67	62	2.81	1.74
<b>1993</b>	118	54	46	3.01	1.38
<b>1994</b>	85	51	60	2.05	1.23
<b>1995</b>	87	47	54	2.11	1.14
<b>1996</b>	81	43	53	1.97	1.04
<b>1997</b>	77	41	53	1.76	0.93
<b>1998</b>	70	31	44	1.55	0.69
<b>1999</b>	79	40	51	1.74	0.88
<b>2000</b>	106	56	53	2.30	1.21
<b>2001</b>	85	43	50	1.80	0.91

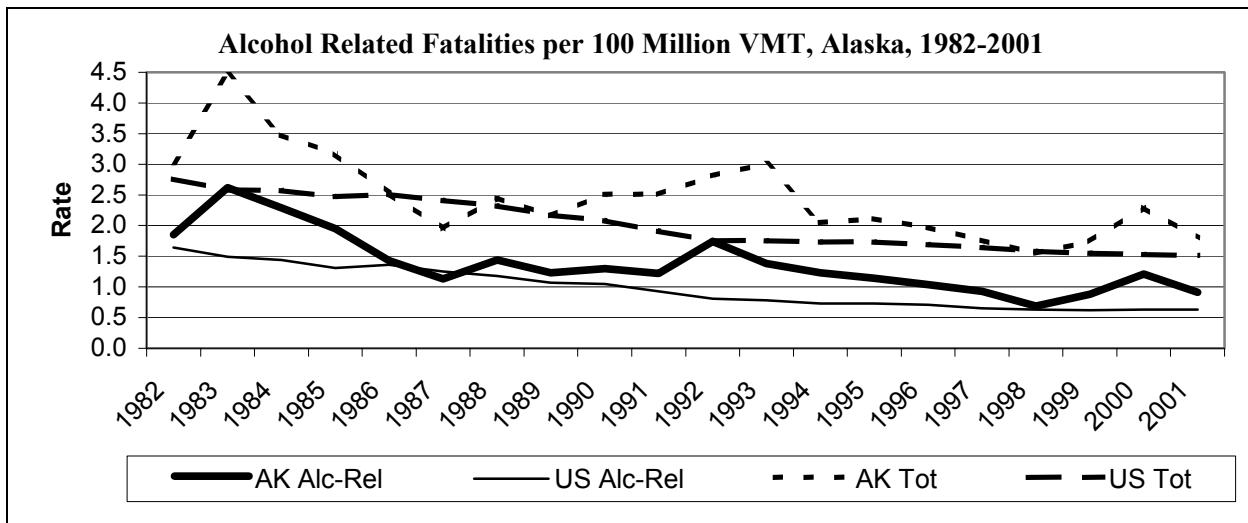
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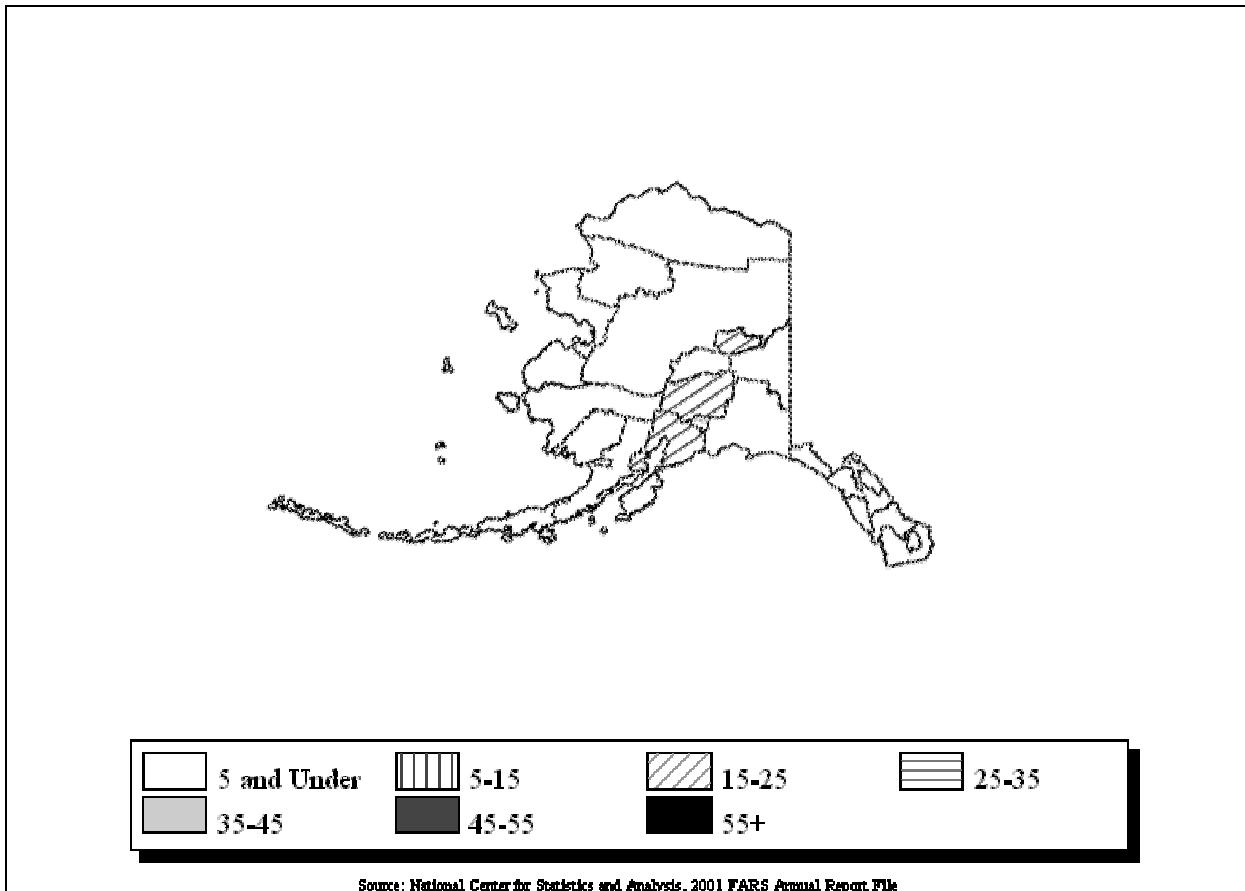
## ALASKA

Change in AR-Rates over time, Alaska vs. US		
Time Period	Alaska	US
<b>1982 to 2001</b>	-51%	-62%
Last 10 years	-25%	-32%
Last 5 years	-13%	-11%
Last 3 Years	32%	0%
Last 1 Year	-25%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se	0.10
BAC Level	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(09/01/01)</i>
Youthful (Under 21) Offenders BAC Level	0.00

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	724	422	58	3.55	2.07
<b>1983</b>	675	388	57	3.28	1.89
<b>1984</b>	869	473	54	4.15	2.26
<b>1985</b>	893	502	56	4.14	2.33
<b>1986</b>	1,007	582	58	4.44	2.57
<b>1987</b>	939	532	57	2.96	1.68
<b>1988</b>	944	488	52	2.76	1.42
<b>1989</b>	879	443	50	2.52	1.27
<b>1990</b>	869	434	50	2.45	1.22
<b>1991</b>	816	429	53	2.34	1.23
<b>1992</b>	809	403	50	2.31	1.15
<b>1993</b>	801	400	50	2.13	1.06
<b>1994</b>	904	410	45	2.33	1.06
<b>1995</b>	1,035	478	46	2.61	1.21
<b>1996</b>	994	442	45	2.36	1.05
<b>1997</b>	951	451	47	2.19	1.04
<b>1998</b>	980	444	45	2.17	0.98
<b>1999</b>	1,024	424	41	2.19	0.91
<b>2000</b>	1,036	469	45	2.11	0.95
<b>2001</b>	1,048	488	47	2.06	0.96

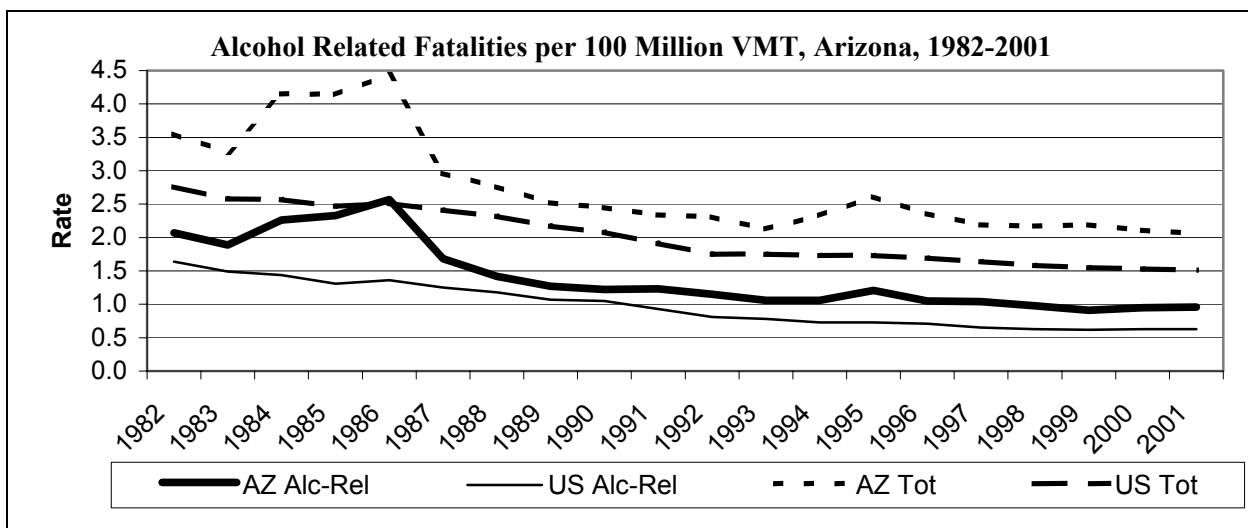
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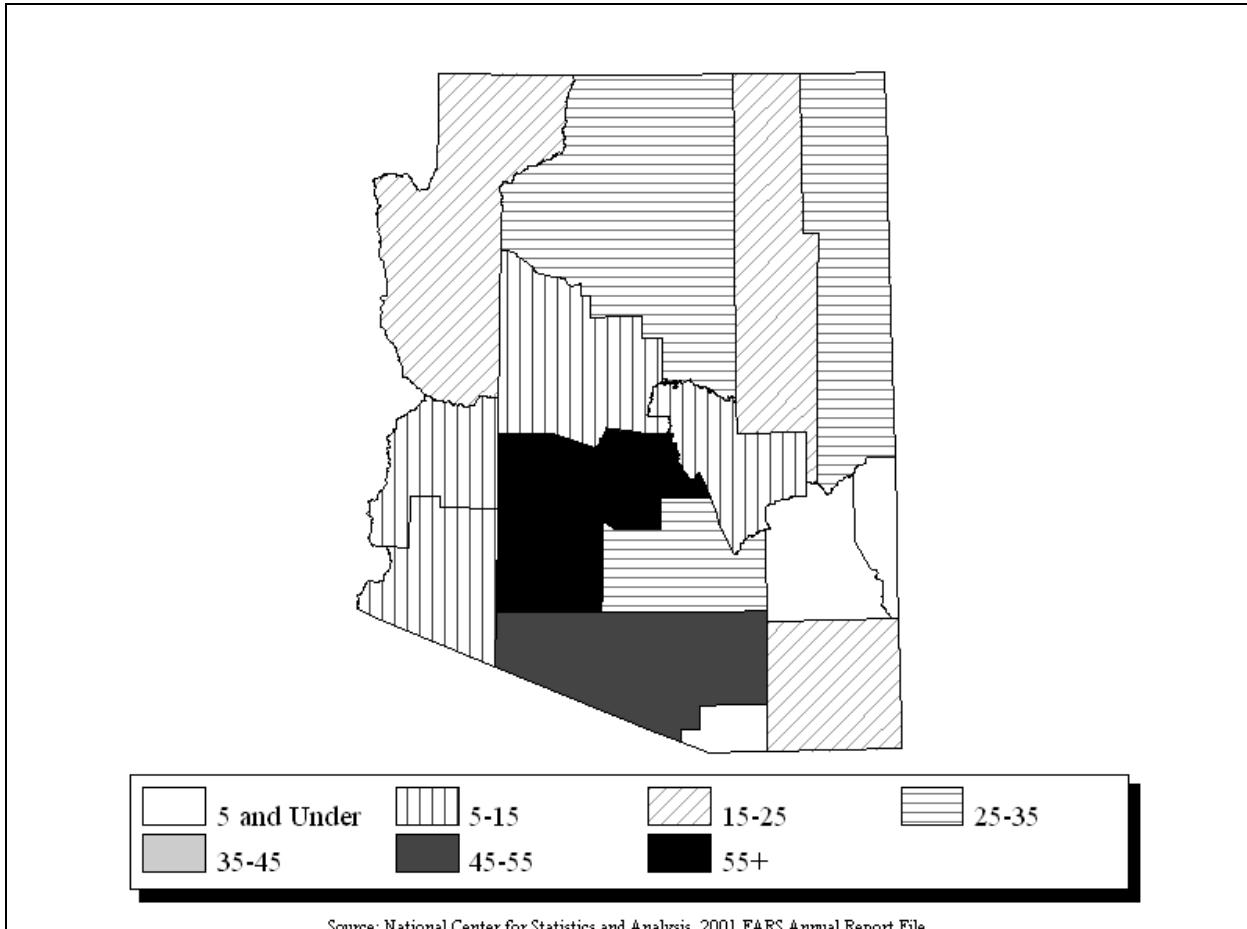
## ARIZONA

Change in AR-Rates over time, Arizona vs. US		
Time Period	Arizona	US
<b>1982 to 2001</b>	-54%	-62%
Last 10 years	-22%	-32%
Last 5 years	-9%	-11%
Last 3 Years	-2%	0%
Last 1 Year	1%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(08/31/01)</i>
Youthful (under 21) Offenders BAC Level	0.00

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	550	334	61	3.31	2.01
<b>1983</b>	557	315	57	3.34	1.89
<b>1984</b>	525	311	59	3.16	1.87
<b>1985</b>	534	299	56	3.12	1.75
<b>1986</b>	603	361	60	3.43	2.06
<b>1987</b>	639	366	57	3.49	2.00
<b>1988</b>	610	361	59	3.17	1.88
<b>1989</b>	647	380	59	3.17	1.86
<b>1990</b>	604	344	57	2.87	1.64
<b>1991</b>	608	362	60	2.77	1.65
<b>1992</b>	588	286	49	2.55	1.24
<b>1993</b>	583	241	41	2.43	1.00
<b>1994</b>	609	226	37	2.44	0.91
<b>1995</b>	631	243	39	2.37	0.91
<b>1996</b>	615	237	39	2.21	0.85
<b>1997</b>	660	216	33	2.35	0.77
<b>1998</b>	625	216	35	2.20	0.76
<b>1999</b>	604	212	35	2.07	0.72
<b>2000</b>	652	223	34	2.24	0.76
<b>2001</b>	611	193	32	2.08	0.66

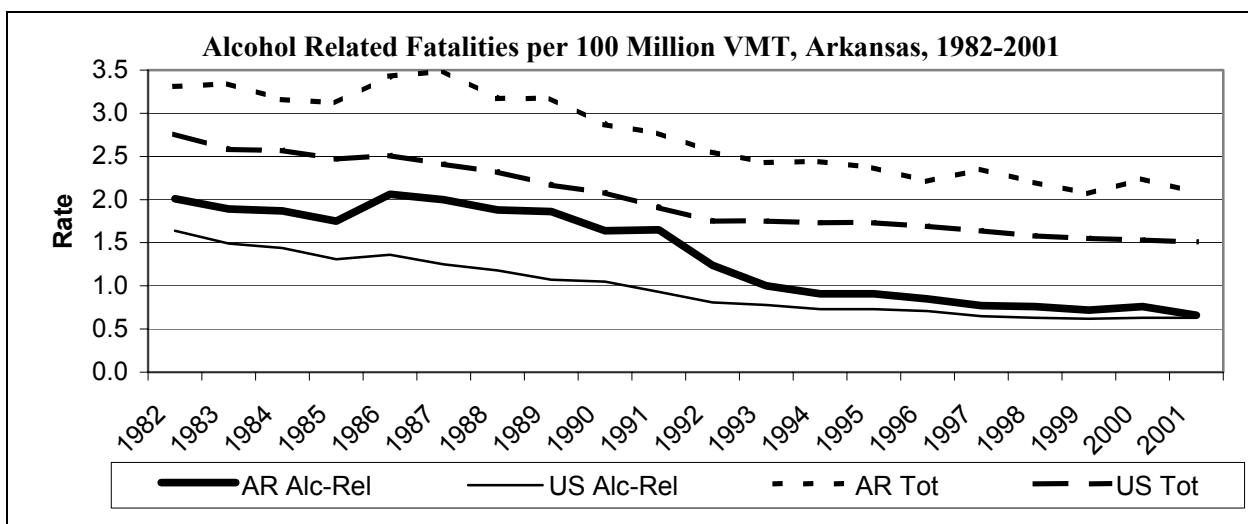
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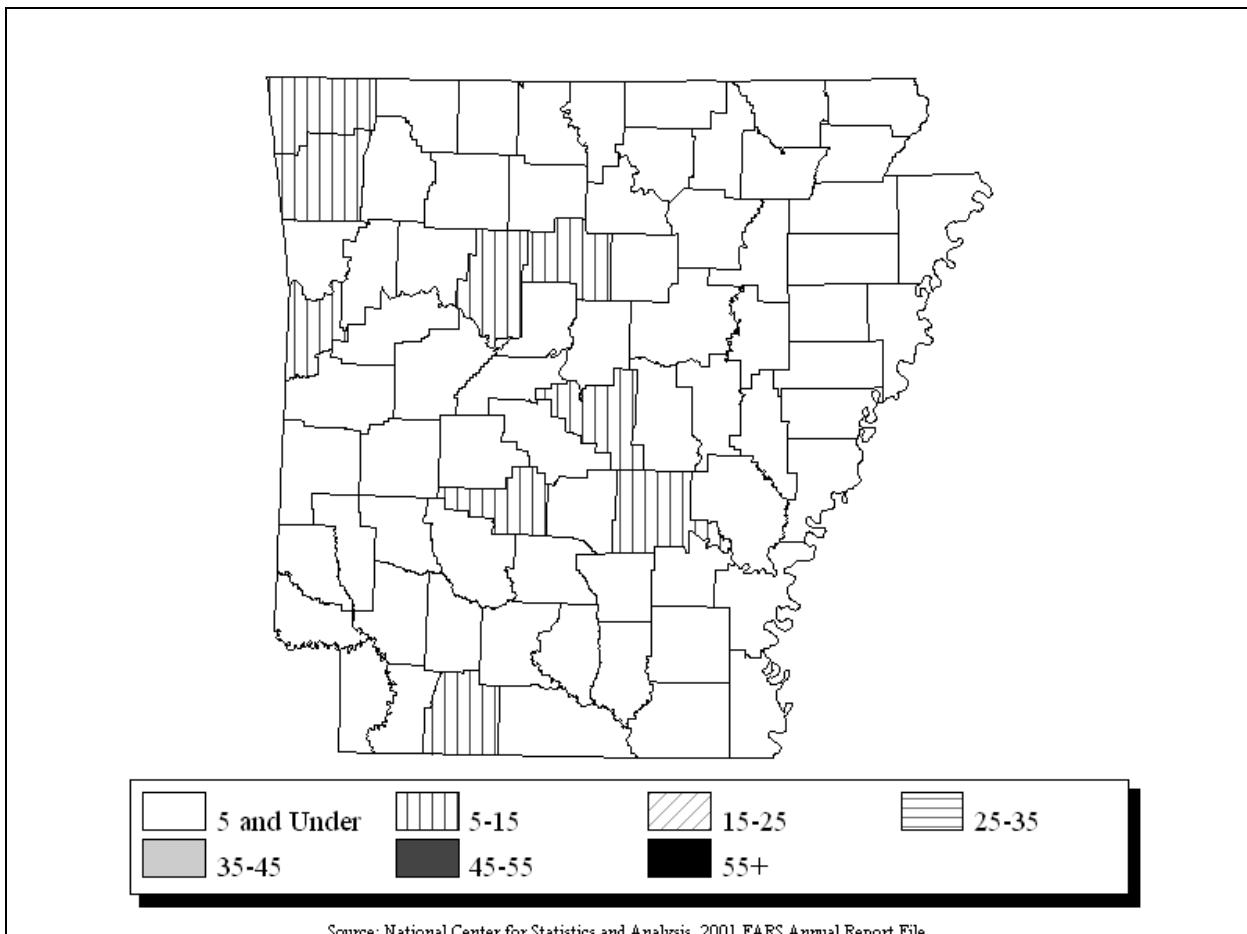
## ARKANSAS

Change in AR-Rates over time, Arkansas vs. US		
Time Period	Arkansas	US
<b>1982 to 2001</b>	-67%	-62%
Last 10 years	-60%	-32%
Last 5 years	-22%	-11%
Last 3 Years	-13%	0%
Last 1 Year	-13%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(08/13/01)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	4,615	2,799	61	2.71	1.65
<b>1983</b>	4,573	2,669	58	2.50	1.46
<b>1984</b>	5,020	2,894	58	2.55	1.47
<b>1985</b>	4,960	2,633	53	2.39	1.27
<b>1986</b>	5,253	2,813	54	2.44	1.31
<b>1987</b>	5,504	2,961	54	2.43	1.31
<b>1988</b>	5,392	2,773	51	2.23	1.15
<b>1989</b>	5,412	2,795	52	2.15	1.11
<b>1990</b>	5,192	2,697	52	2.01	1.04
<b>1991</b>	4,688	2,263	48	1.82	0.88
<b>1992</b>	4,192	2,015	48	1.60	0.77
<b>1993</b>	4,164	1,815	44	1.56	0.68
<b>1994</b>	4,232	1,743	41	1.56	0.64
<b>1995</b>	4,192	1,758	42	1.52	0.64
<b>1996</b>	3,989	1,666	42	1.43	0.60
<b>1997</b>	3,688	1,348	37	1.29	0.47
<b>1998</b>	3,494	1,367	39	1.20	0.47
<b>1999</b>	3,559	1,397	39	1.19	0.47
<b>2000</b>	3,753	1,450	39	1.22	0.47
<b>2001</b>	3,956	1,569	40	1.27	0.50

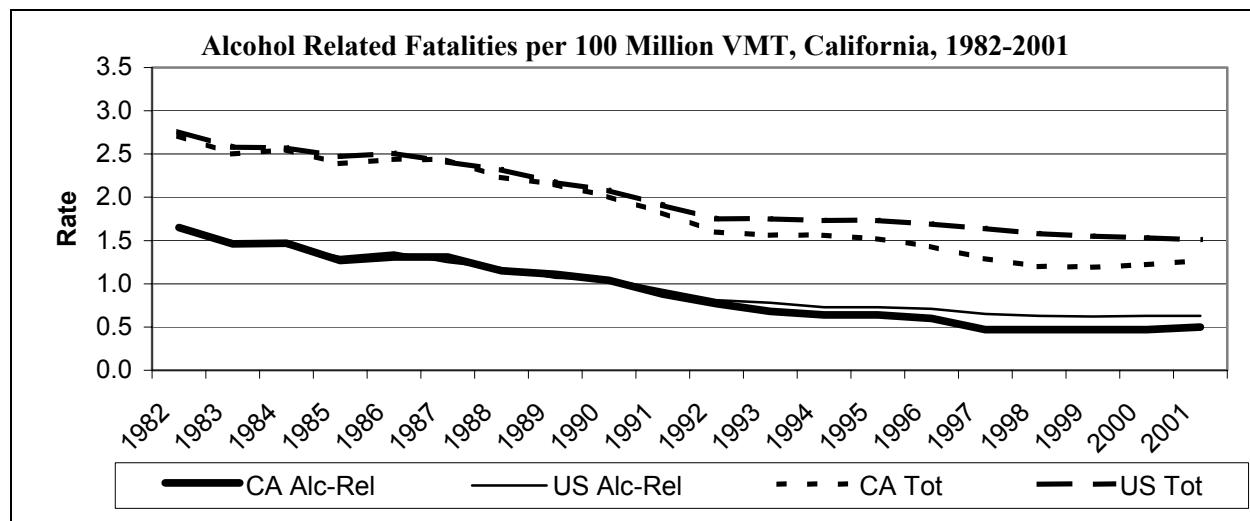
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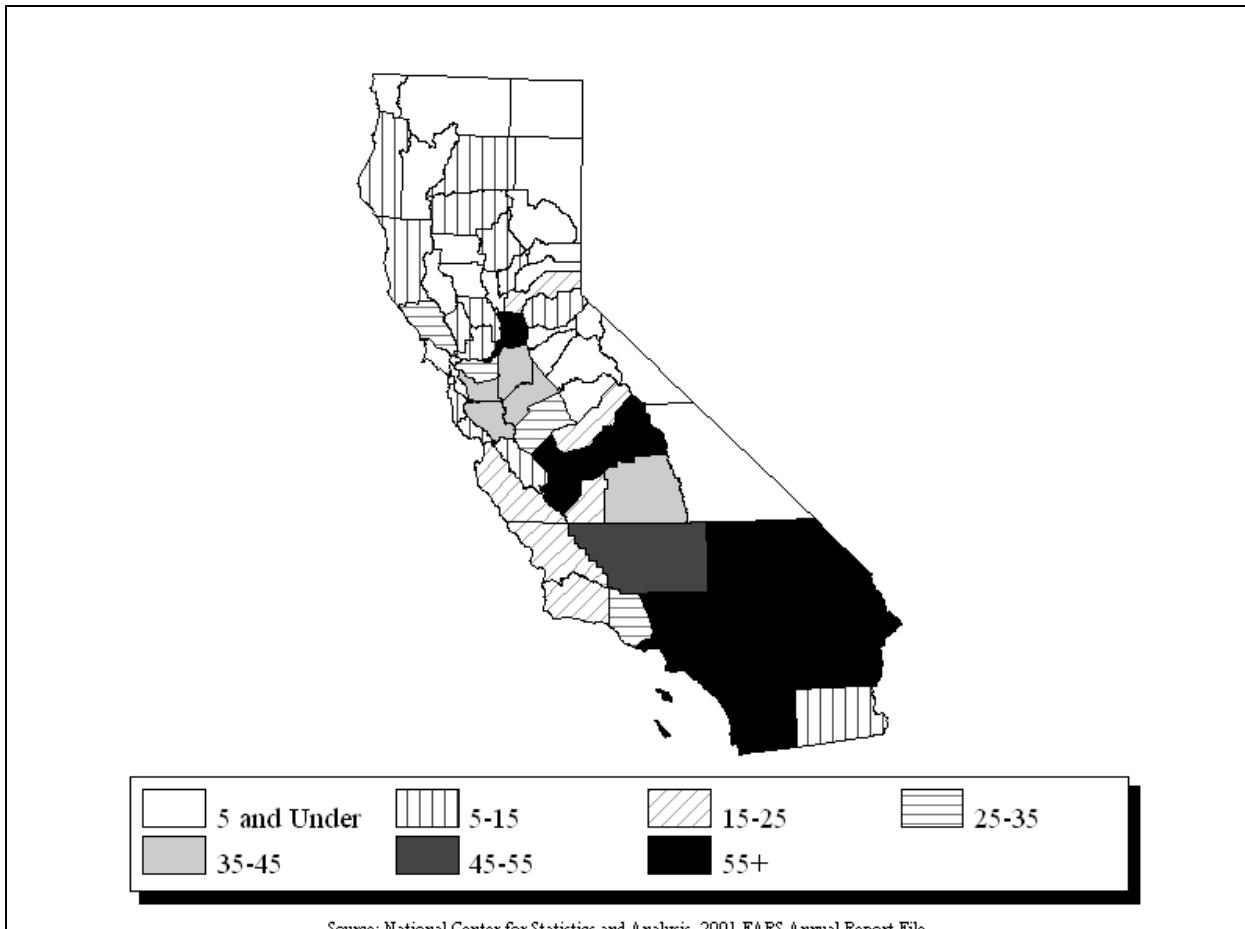
## CALIFORNIA

Change in AR-Rates over time, California vs. US		
Time Period	California	US
<b>1982 to 2001</b>	-70%	-62%
Last 10 years	-43%	-32%
Last 5 years	-17%	-11%
Last 3 Years	6%	0%
Last 1 Year	6%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.08
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/01/90)</i>
Youthful (under 21) Offenders BAC Level	0.01

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	668	422	63	2.74	1.73
<b>1983</b>	646	418	65	2.60	1.68
<b>1984</b>	608	374	61	2.33	1.43
<b>1985</b>	579	316	55	2.21	1.21
<b>1986</b>	603	360	60	2.29	1.36
<b>1987</b>	591	291	49	2.19	1.08
<b>1988</b>	497	227	46	1.80	0.82
<b>1989</b>	527	247	47	1.91	0.90
<b>1990</b>	544	260	48	2.00	0.96
<b>1991</b>	543	280	51	1.96	1.01
<b>1992</b>	522	263	50	1.69	0.85
<b>1993</b>	559	235	42	1.71	0.72
<b>1994</b>	586	282	48	1.74	0.84
<b>1995</b>	645	304	47	1.84	0.87
<b>1996</b>	617	252	41	1.71	0.70
<b>1997</b>	613	229	37	1.62	0.61
<b>1998</b>	628	244	39	1.60	0.62
<b>1999</b>	626	229	37	1.54	0.56
<b>2000</b>	681	268	39	1.63	0.64
<b>2001</b>	736	328	45	1.71	0.76

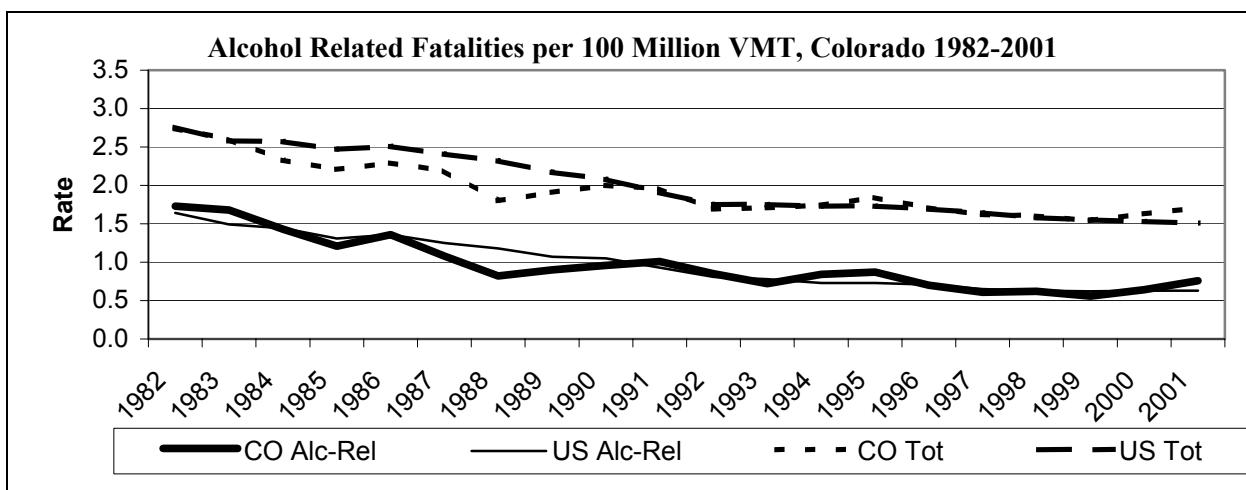
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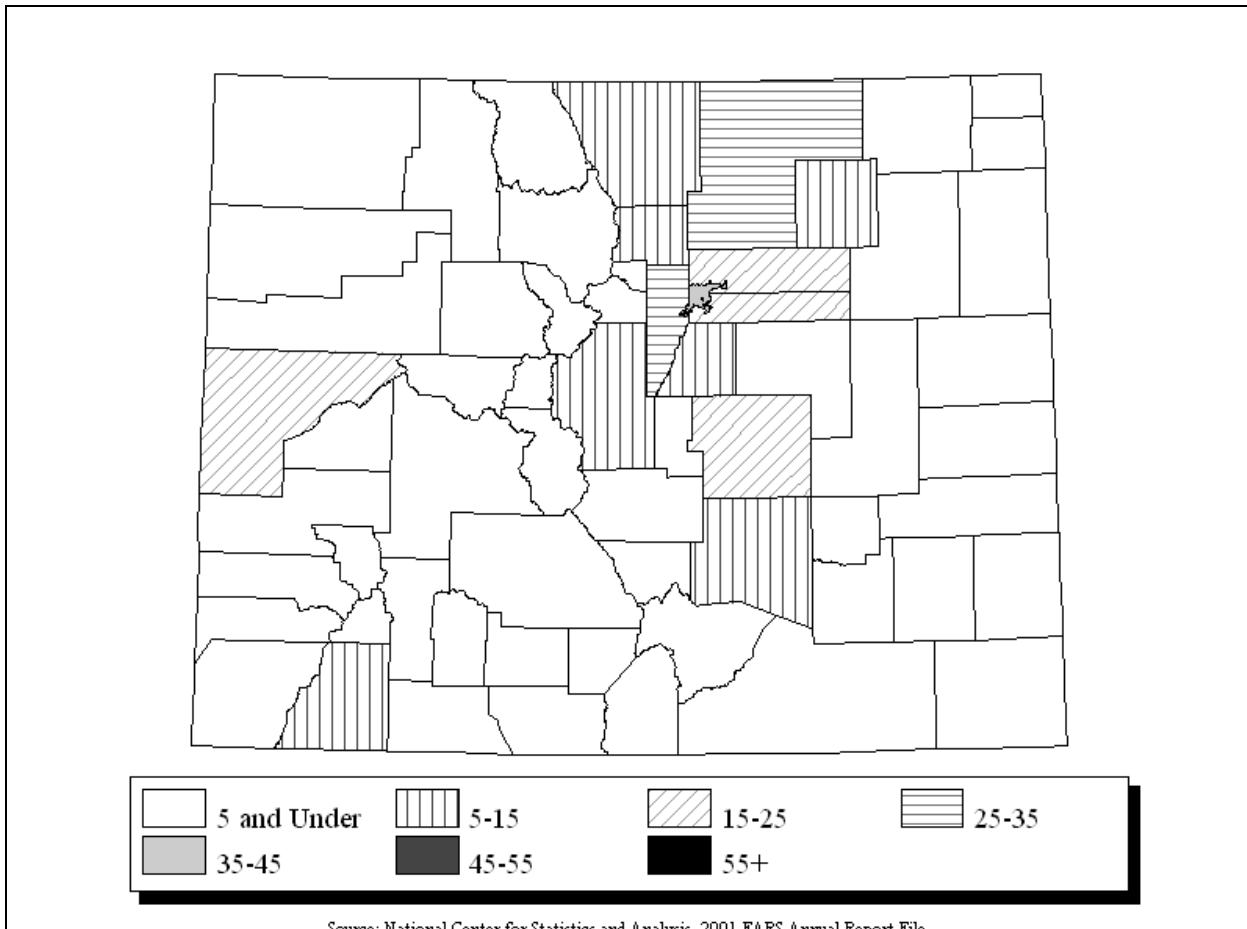
## COLORADO

Change in AR-Rates over time, Colorado vs. US		
Time Period	Colorado	US
<b>1982 to 2001</b>	-56%	-62%
Last 10 years	-25%	-32%
Last 5 years	9%	-11%
Last 3 Years	23%	0%
Last 1 Year	19%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	515	356	69	2.56	1.77
<b>1983</b>	438	284	65	2.12	1.38
<b>1984</b>	469	306	65	2.23	1.45
<b>1985</b>	448	267	60	2.00	1.19
<b>1986</b>	455	261	57	1.89	1.08
<b>1987</b>	449	270	60	1.80	1.08
<b>1988</b>	484	257	53	1.86	0.99
<b>1989</b>	406	217	53	1.55	0.83
<b>1990</b>	385	217	56	1.46	0.83
<b>1991</b>	310	168	54	1.16	0.63
<b>1992</b>	296	144	49	1.12	0.54
<b>1993</b>	342	152	44	1.27	0.56
<b>1994</b>	310	148	48	1.14	0.55
<b>1995</b>	317	153	48	1.13	0.55
<b>1996</b>	310	152	49	1.10	0.54
<b>1997</b>	339	153	45	1.19	0.54
<b>1998</b>	329	144	44	1.12	0.49
<b>1999</b>	301	136	45	1.01	0.45
<b>2000</b>	341	161	47	1.11	0.52
<b>2001</b>	312	158	51	1.01	0.51

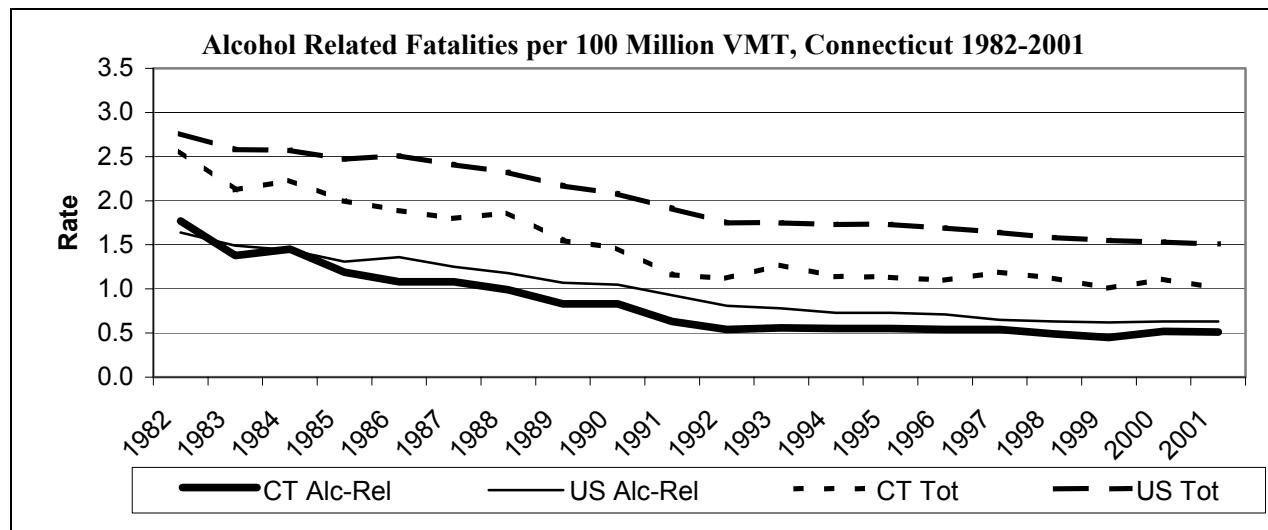
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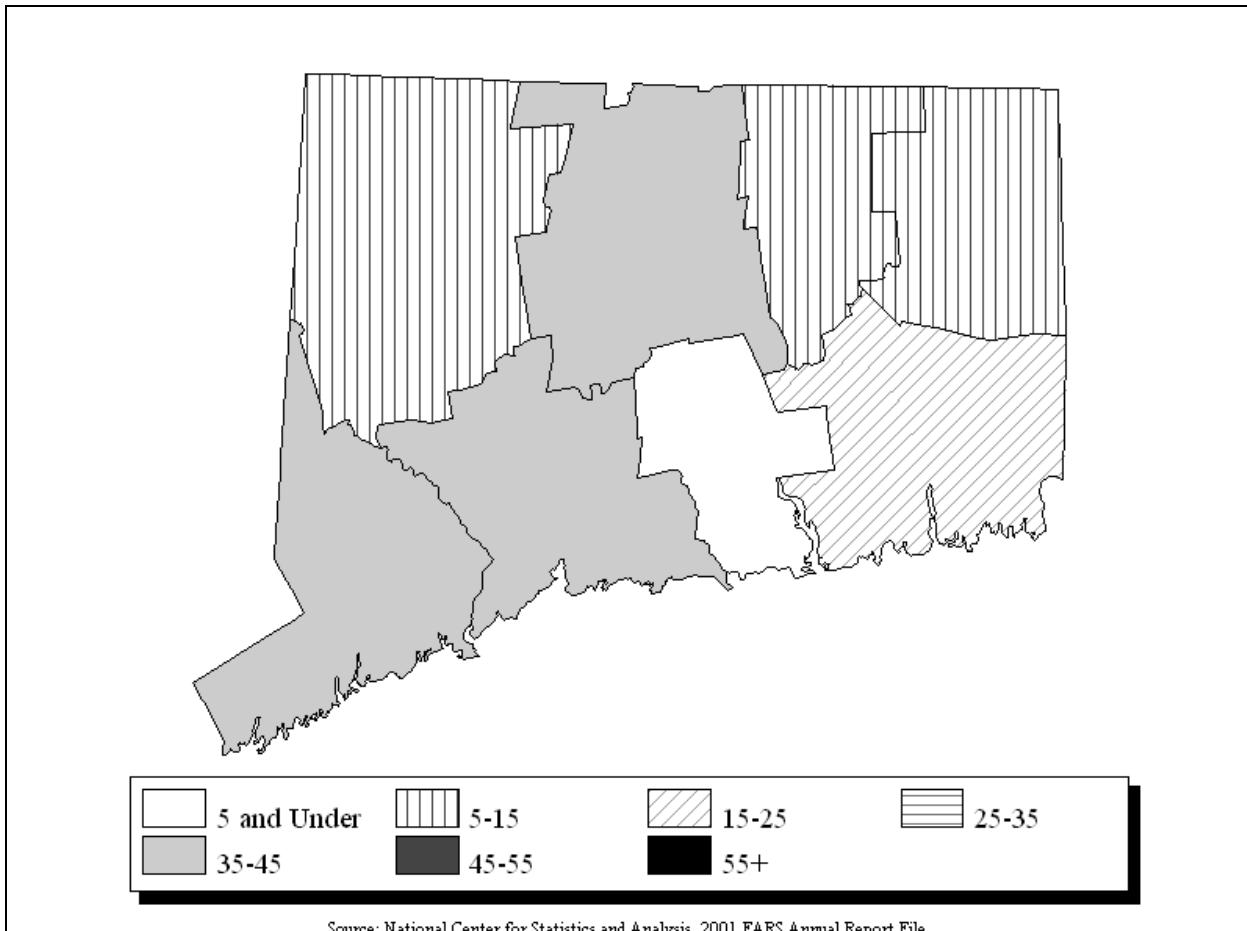
## CONNECTICUT

Change in AR-Rates over time, Connecticut vs. US		
Time Period	Connecticut	US
<b>1982 to 2001</b>	-71%	-62%
Last 10 years	-19%	-32%
Last 5 years	-6%	-11%
Last 3 Years	4%	0%
Last 1 Year	-2%	0%

Impaired Driving Legislations		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 <i>(07/01/02)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	122	82	67	2.66	1.79
<b>1983</b>	110	73	67	2.25	1.49
<b>1984</b>	130	65	50	2.53	1.27
<b>1985</b>	104	74	71	1.94	1.38
<b>1986</b>	136	80	58	2.36	1.39
<b>1987</b>	146	81	55	2.40	1.33
<b>1988</b>	160	86	54	2.50	1.34
<b>1989</b>	116	66	57	1.79	1.02
<b>1990</b>	138	86	62	2.11	1.31
<b>1991</b>	102	51	50	1.52	0.76
<b>1992</b>	140	60	43	2.03	0.87
<b>1993</b>	110	56	51	1.60	0.81
<b>1994</b>	112	63	56	1.59	0.90
<b>1995</b>	121	50	41	1.61	0.67
<b>1996</b>	116	47	40	1.51	0.61
<b>1997</b>	143	64	45	1.79	0.80
<b>1998</b>	115	47	40	1.40	0.57
<b>1999</b>	100	42	42	1.17	0.49
<b>2000</b>	123	61	50	1.49	0.74
<b>2001</b>	136	65	48	1.58	0.75

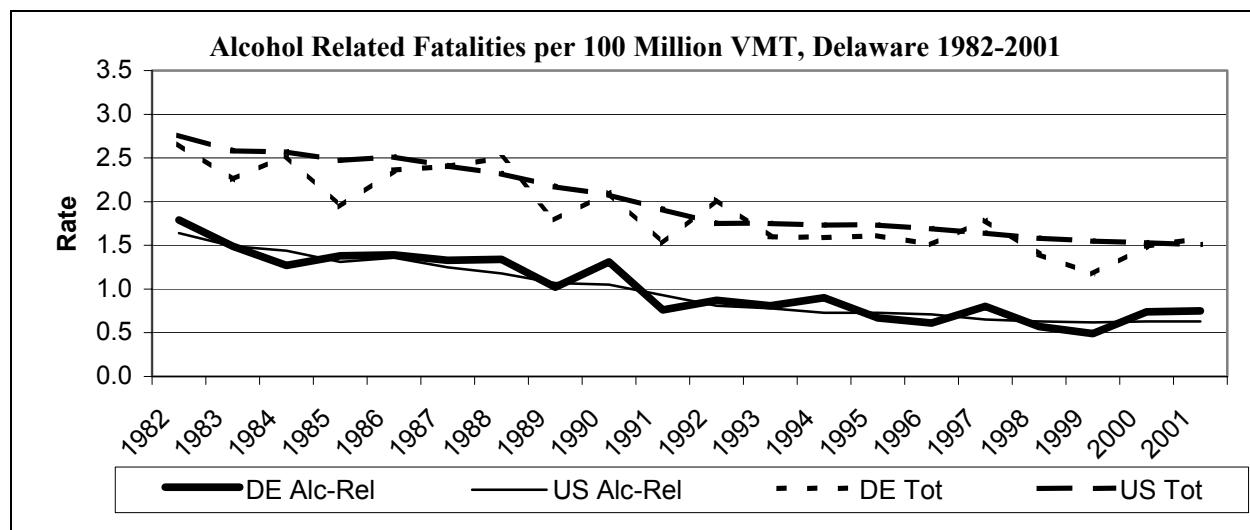
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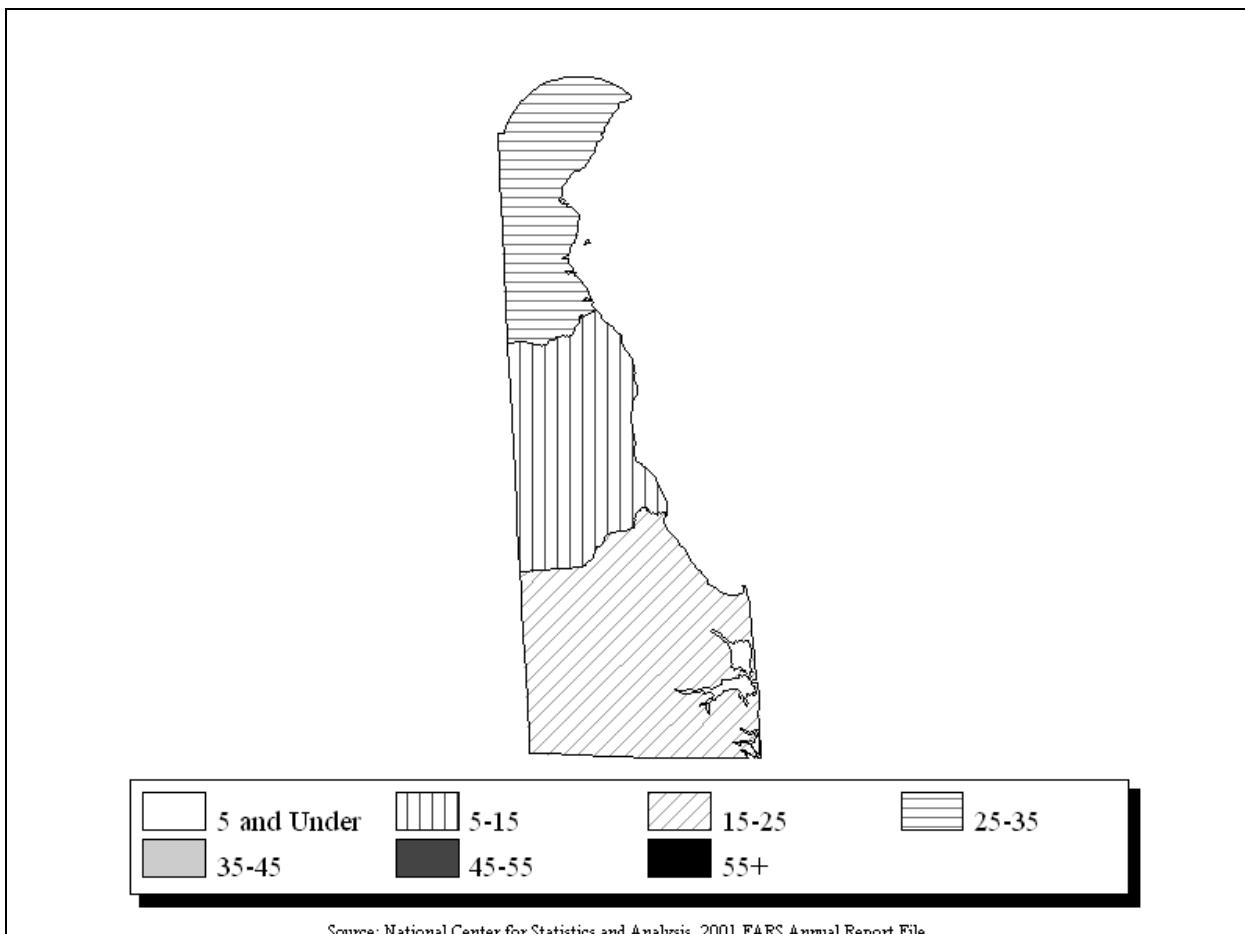
## DELAWARE

Change in AR-Rates over time, Delaware vs. US		
Time Period	Delaware	US
<b>1982 to 2001</b>	-58%	-62%
Last 10 years	-1%	-32%
Last 5 years	23%	-11%
Last 3 Years	32%	0%
Last 1 Year	1%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Alcohol Related Fatalities

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	35	21	61	1.04	0.62
<b>1983</b>	66	39	59	2.13	1.26
<b>1984</b>	64	37	58	1.99	1.15
<b>1985</b>	60	32	53	1.86	0.99
<b>1986</b>	44	16	35	1.34	0.49
<b>1987</b>	53	26	49	1.57	0.77
<b>1988</b>	61	26	42	1.79	0.76
<b>1989</b>	72	33	46	2.11	0.97
<b>1990</b>	48	33	68	1.41	0.97
<b>1991</b>	63	24	37	1.84	0.70
<b>1992</b>	50	23	46	1.40	0.65
<b>1993</b>	57	24	41	1.64	0.69
<b>1994</b>	69	33	48	2.00	0.96
<b>1995</b>	58	31	53	1.74	0.93
<b>1996</b>	62	32	51	1.59	0.82
<b>1997</b>	60	34	57	1.80	1.02
<b>1998</b>	54	31	57	1.63	0.94
<b>1999</b>	41	23	57	1.18	0.66
<b>2000</b>	48	20	42	1.37	0.57
<b>2001</b>	68	38	55	1.81	1.01

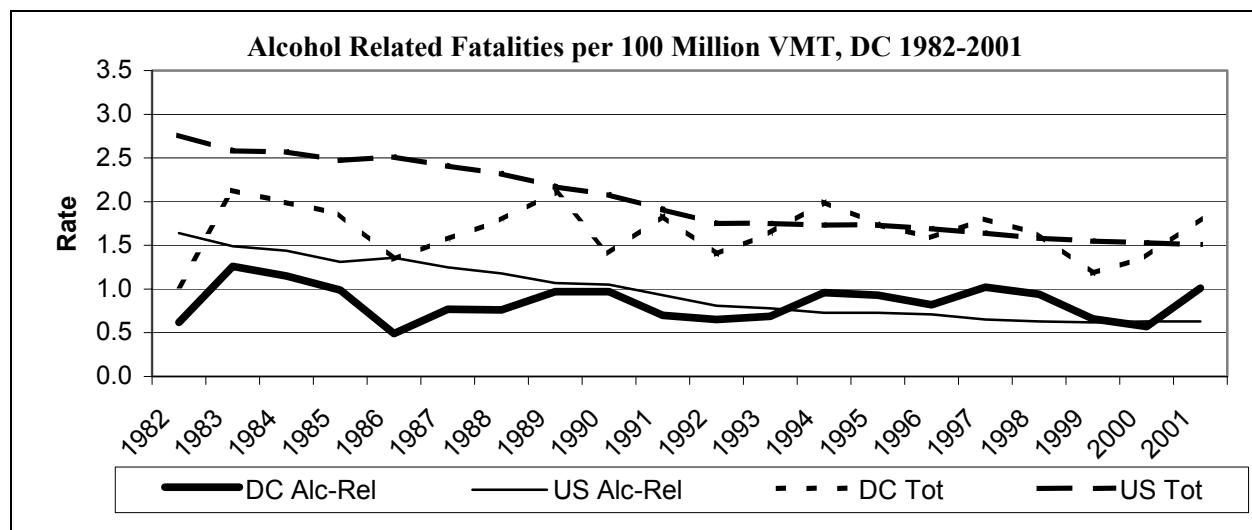
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

DC
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Change in AR-Rates over time, DC vs. US		
Time Period	DC	US
<b>1982 to 2001</b>	63%	-62%
Last 10 years	44%	-32%
Last 5 years	23%	-11%
Last 3 Years	7%	0%
Last 1 Year	77%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.05	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(04/13/99)</i>	
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	2,653	1,407	53	3.34	1.77
<b>1983</b>	2,686	1,539	57	3.28	1.88
<b>1984</b>	2,814	1,551	55	3.29	1.81
<b>1985</b>	2,832	1,518	54	3.22	1.72
<b>1986</b>	2,831	1,574	56	3.24	1.80
<b>1987</b>	2,839	1,516	53	3.06	1.63
<b>1988</b>	3,078	1,564	51	2.92	1.48
<b>1989</b>	2,984	1,506	50	2.74	1.38
<b>1990</b>	2,891	1,477	51	2.63	1.34
<b>1991</b>	2,463	1,227	50	2.17	1.08
<b>1992</b>	2,427	1,143	47	2.02	0.95
<b>1993</b>	2,636	1,210	46	2.19	1.00
<b>1994</b>	2,687	1,137	42	2.20	0.93
<b>1995</b>	2,805	1,183	42	2.19	0.93
<b>1996</b>	2,753	1,104	40	2.12	0.85
<b>1997</b>	2,785	1,003	36	2.08	0.75
<b>1998</b>	2,825	1,039	37	2.05	0.76
<b>1999</b>	2,920	1,139	39	2.06	0.80
<b>2000</b>	2,999	1,277	43	1.99	0.85
<b>2001</b>	3,011	1,264	42	1.93	0.81

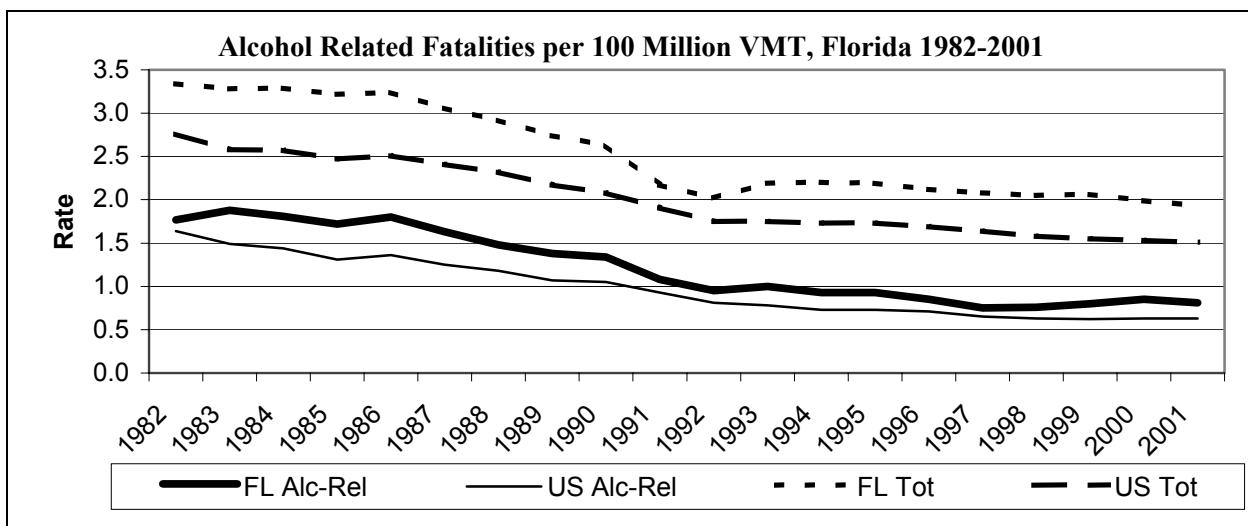
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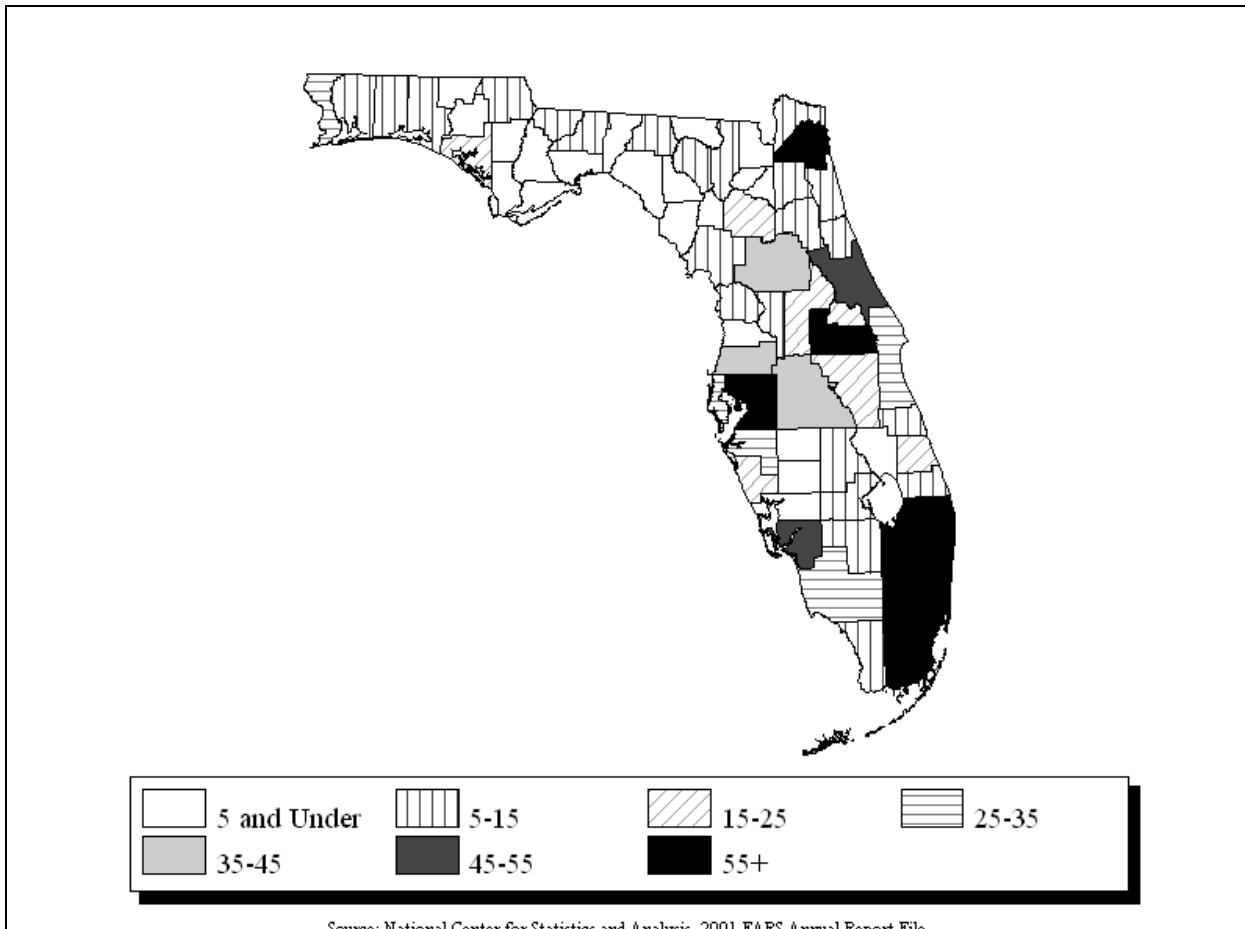
## FLORIDA

Change in AR-Rates over time, Florida vs. US		
Time Period	Florida	US
<b>1982 to 2001</b>	-54%	-62%
Last 10 years	-25%	-32%
Last 5 years	-5%	-11%
Last 3 Years	7%	0%
Last 1 Year	-5%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.08
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/01/94)</i>
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,229	750	61	2.52	1.54
<b>1983</b>	1,296	716	55	2.65	1.47
<b>1984</b>	1,410	780	55	2.79	1.54
<b>1985</b>	1,361	694	51	2.53	1.29
<b>1986</b>	1,530	803	52	2.69	1.41
<b>1987</b>	1,599	798	50	2.65	1.32
<b>1988</b>	1,654	797	48	2.66	1.28
<b>1989</b>	1,632	779	48	2.40	1.14
<b>1990</b>	1,562	735	47	2.22	1.05
<b>1991</b>	1,389	648	47	1.90	0.89
<b>1992</b>	1,315	537	41	1.69	0.69
<b>1993</b>	1,394	561	40	1.78	0.72
<b>1994</b>	1,425	540	38	1.72	0.65
<b>1995</b>	1,488	531	36	1.74	0.62
<b>1996</b>	1,573	577	37	1.76	0.65
<b>1997</b>	1,577	586	37	1.68	0.62
<b>1998</b>	1,568	528	34	1.62	0.54
<b>1999</b>	1,508	524	35	1.53	0.53
<b>2000</b>	1,541	585	38	1.47	0.56
<b>2001</b>	1,615	557	35	1.50	0.52

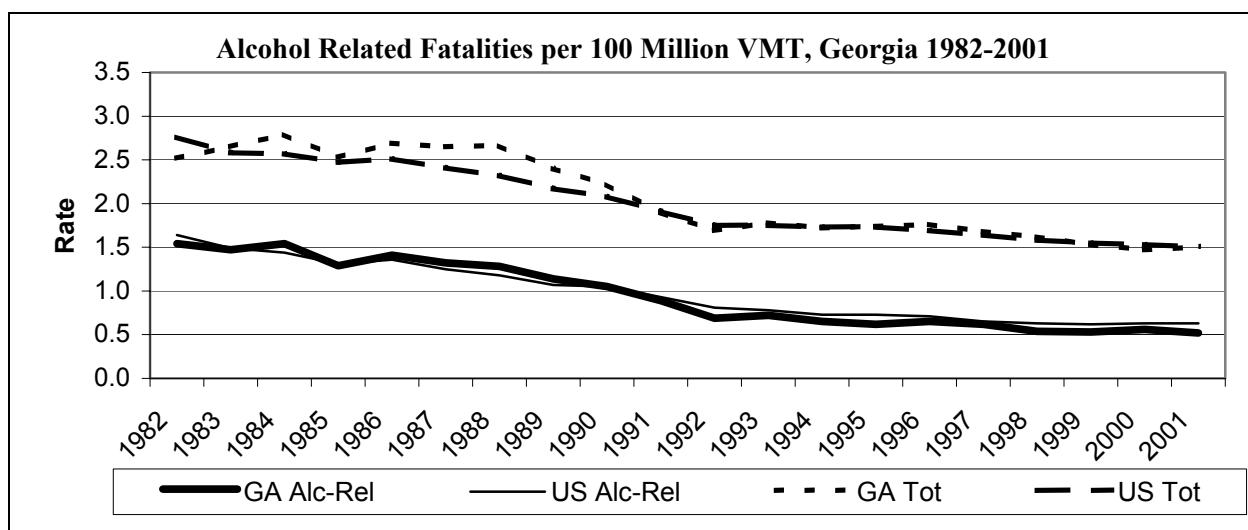
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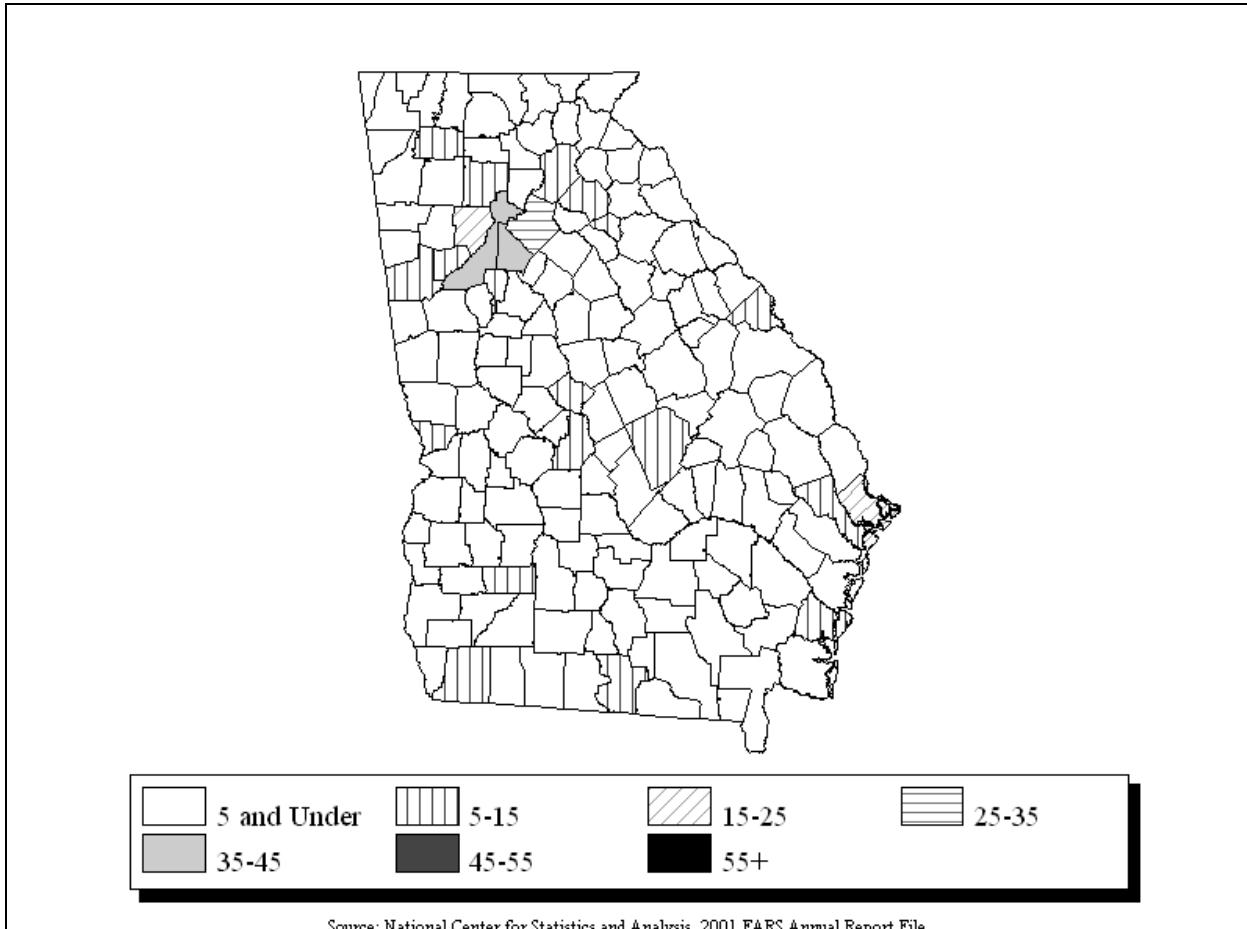
## GEORGIA

Change in AR-Rates over time, Georgia vs. US		
Time Period	Georgia	US
<b>1982 to 2001</b>	-66%	-62%
Last 10 years	-42%	-32%
Last 5 years	-20%	-11%
Last 3 Years	-4%	0%
Last 1 Year	-7%	0%

Impaired Driving Legislations	
Law	BAC Level
Administrative Per Se BAC Level	0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/01)</i>
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	163	103	63	2.70	1.70
<b>1983</b>	141	95	67	2.40	1.62
<b>1984</b>	138	89	65	2.12	1.37
<b>1985</b>	126	80	63	1.86	1.18
<b>1986</b>	120	70	58	1.72	1.00
<b>1987</b>	139	86	62	1.93	1.19
<b>1988</b>	148	87	59	1.99	1.17
<b>1989</b>	149	91	61	1.92	1.17
<b>1990</b>	177	92	52	2.19	1.14
<b>1991</b>	135	77	57	1.66	0.95
<b>1992</b>	129	68	53	1.60	0.84
<b>1993</b>	134	76	57	1.69	0.96
<b>1994</b>	122	60	49	1.54	0.76
<b>1995</b>	130	65	50	1.64	0.82
<b>1996</b>	148	68	46	1.84	0.85
<b>1997</b>	131	59	45	1.67	0.75
<b>1998</b>	120	59	49	1.50	0.74
<b>1999</b>	98	44	45	1.21	0.54
<b>2000</b>	132	55	42	1.55	0.64
<b>2001</b>	140	60	43	1.61	0.69

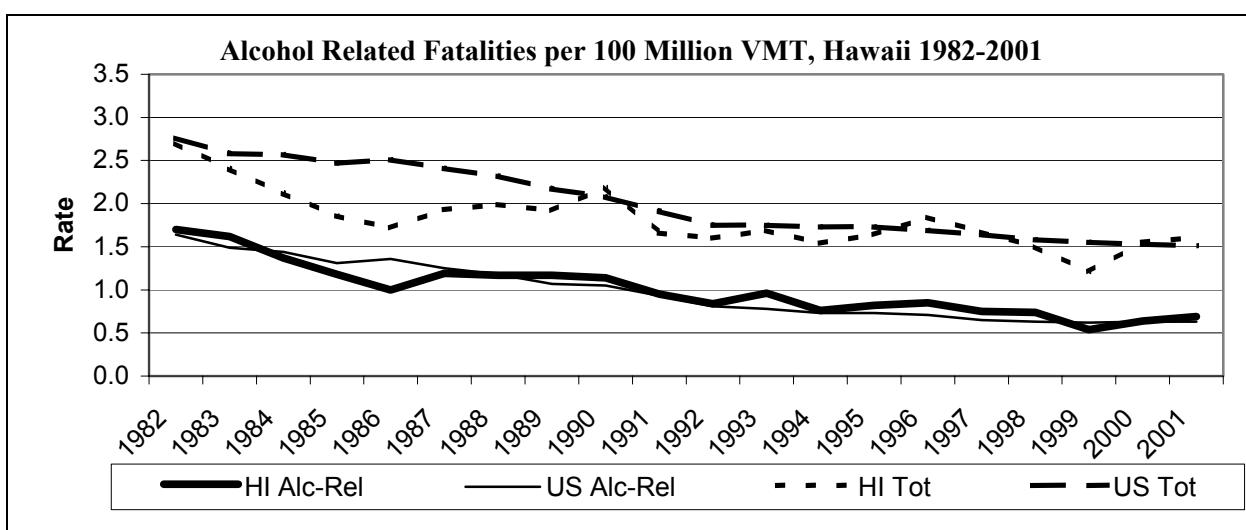
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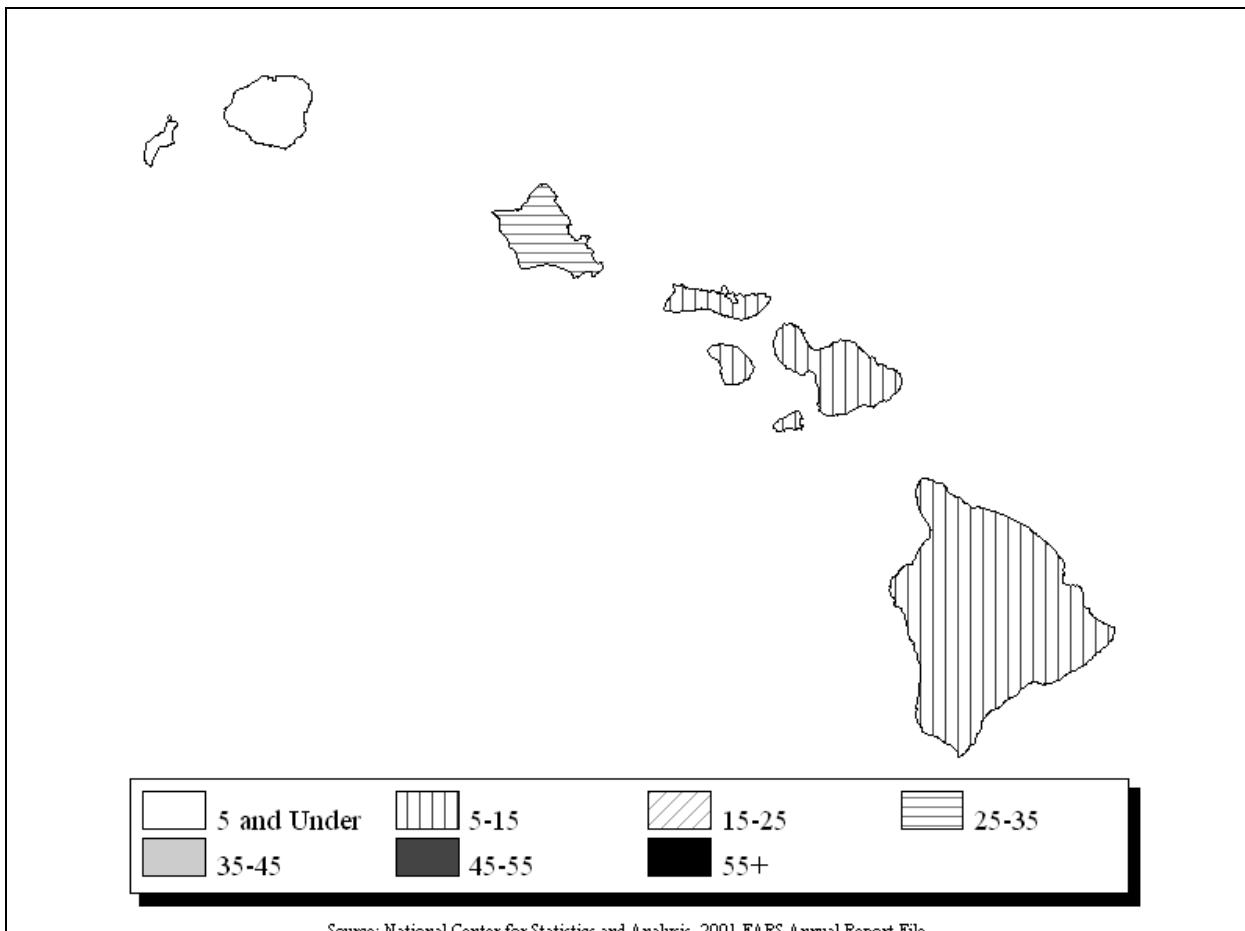
## HAWAII

Change in AR-Rates over time, Hawaii vs. US		
Time Period	Hawaii	US
<b>1982 to 2001</b>	-59%	-62%
Last 10 years	-27%	-32%
Last 5 years	-19%	-11%
Last 3 Years	-7%	0%
Last 1 Year	8%	0%

Impaired Driving Legislations		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(06/30/95)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	256	132	51	3.26	1.68
<b>1983</b>	263	129	49	3.17	1.56
<b>1984</b>	242	117	48	3.12	1.51
<b>1985</b>	255	137	54	3.31	1.78
<b>1986</b>	258	147	57	3.32	1.89
<b>1987</b>	260	135	52	3.20	1.66
<b>1988</b>	257	119	46	3.16	1.46
<b>1989</b>	238	107	45	2.83	1.27
<b>1990</b>	244	133	55	2.48	1.35
<b>1991</b>	264	127	48	2.56	1.23
<b>1992</b>	243	104	43	2.26	0.97
<b>1993</b>	230	111	48	2.04	0.98
<b>1994</b>	250	93	37	2.15	0.80
<b>1995</b>	262	90	35	2.13	0.73
<b>1996</b>	258	94	36	1.99	0.73
<b>1997</b>	259	104	40	2.01	0.81
<b>1998</b>	265	100	38	1.97	0.74
<b>1999</b>	278	104	37	1.99	0.74
<b>2000</b>	276	119	43	2.04	0.88
<b>2001</b>	259	97	37	1.84	0.69

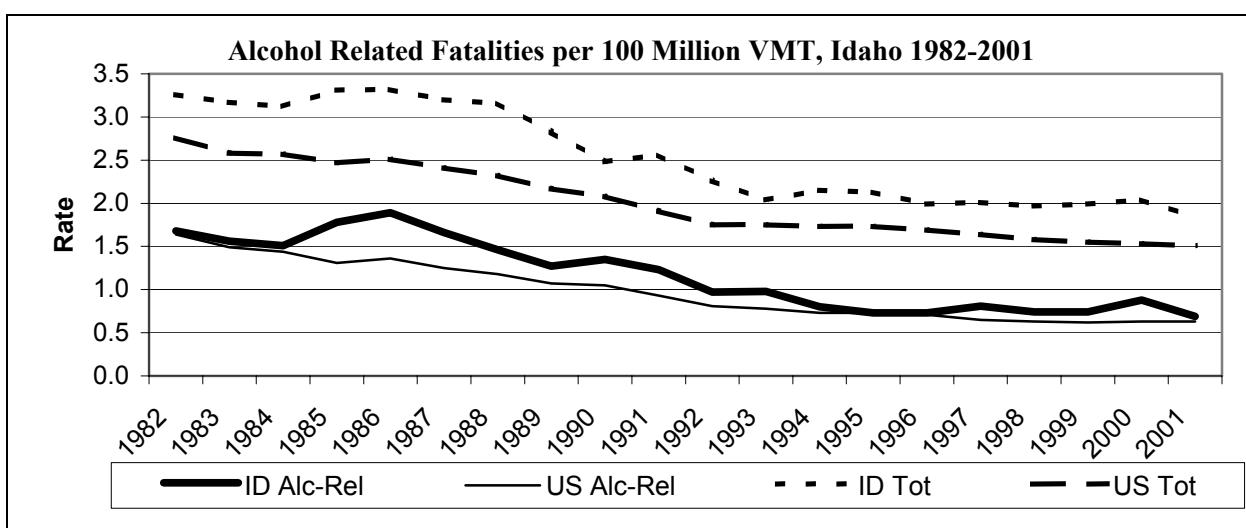
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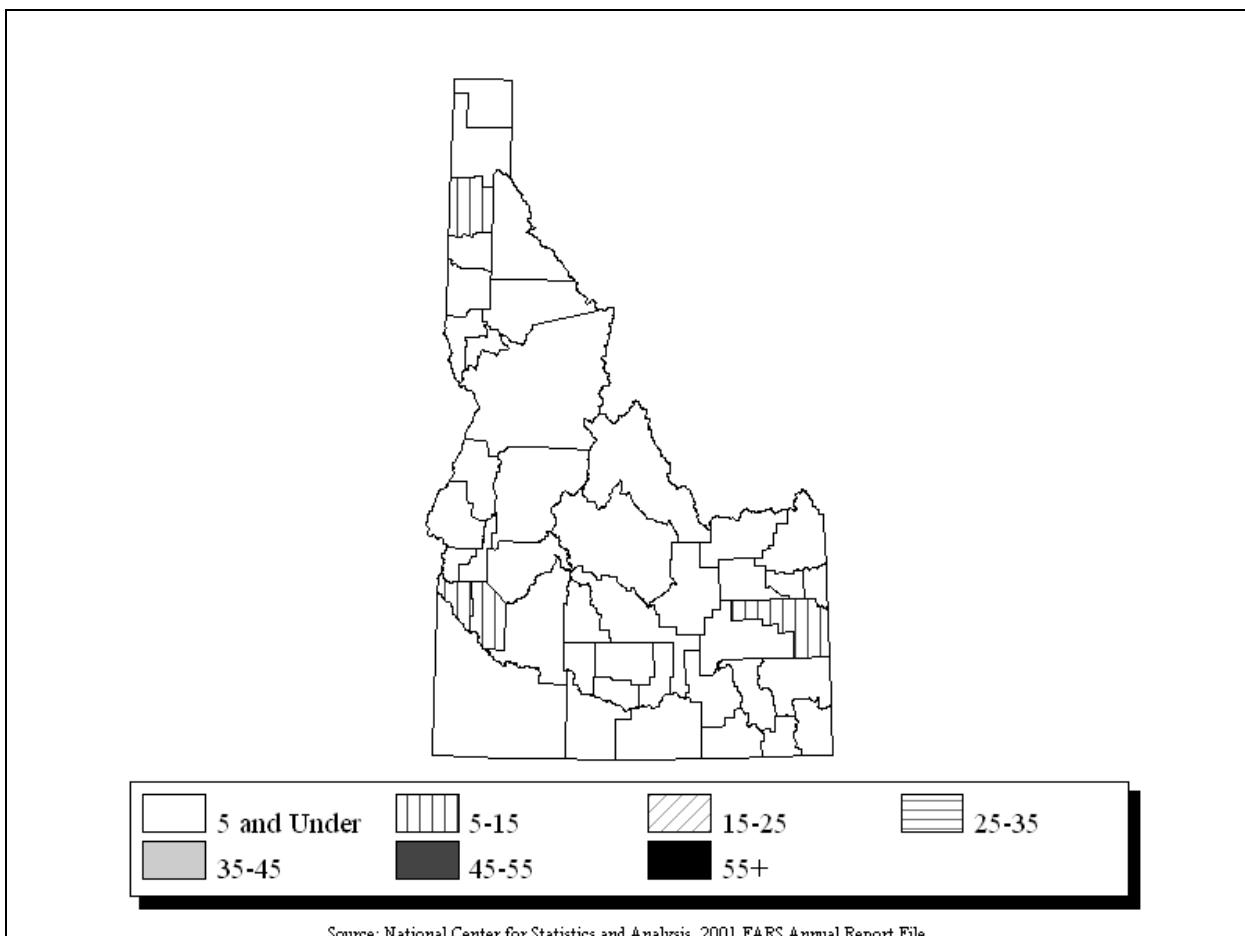
## IDAHO

Change in AR-Rates over time, Idaho vs. US		
Time Period	Idaho	US
<b>1982 to 2001</b>	-59%	-62%
Last 10 years	-44%	-32%
Last 5 years	-5%	-11%
Last 3 Years	-7%	0%
Last 1 Year	-22%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/97)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	1,651	1,014	61	2.51	1.54
1983	1,526	909	60	2.27	1.35
1984	1,547	892	58	2.21	1.28
1985	1,534	835	54	2.17	1.18
1986	1,596	869	54	2.15	1.17
1987	1,654	843	51	2.18	1.11
1988	1,837	939	51	2.34	1.20
1989	1,748	898	51	2.15	1.10
1990	1,589	826	52	1.91	0.99
1991	1,448	736	51	1.69	0.86
1992	1,384	680	49	1.58	0.78
1993	1,392	638	46	1.55	0.71
1994	1,554	687	44	1.68	0.74
1995	1,586	700	44	1.68	0.74
1996	1,477	678	46	1.53	0.70
1997	1,397	597	43	1.41	0.60
1998	1,393	619	44	1.38	0.61
1999	1,456	646	44	1.42	0.63
2000	1,418	628	44	1.38	0.61
2001	1,414	620	44	1.37	0.60

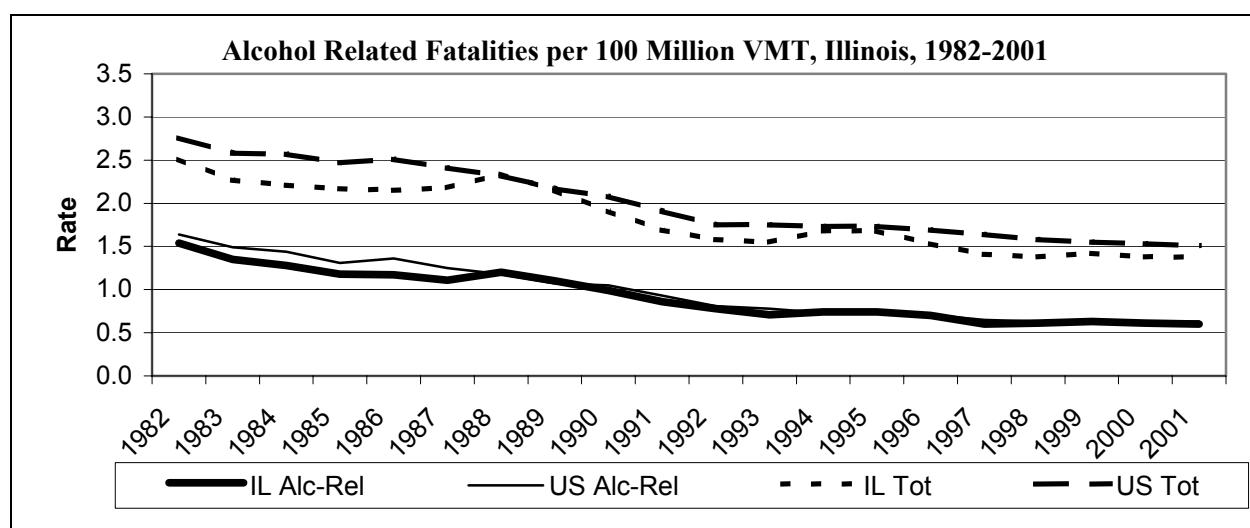
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

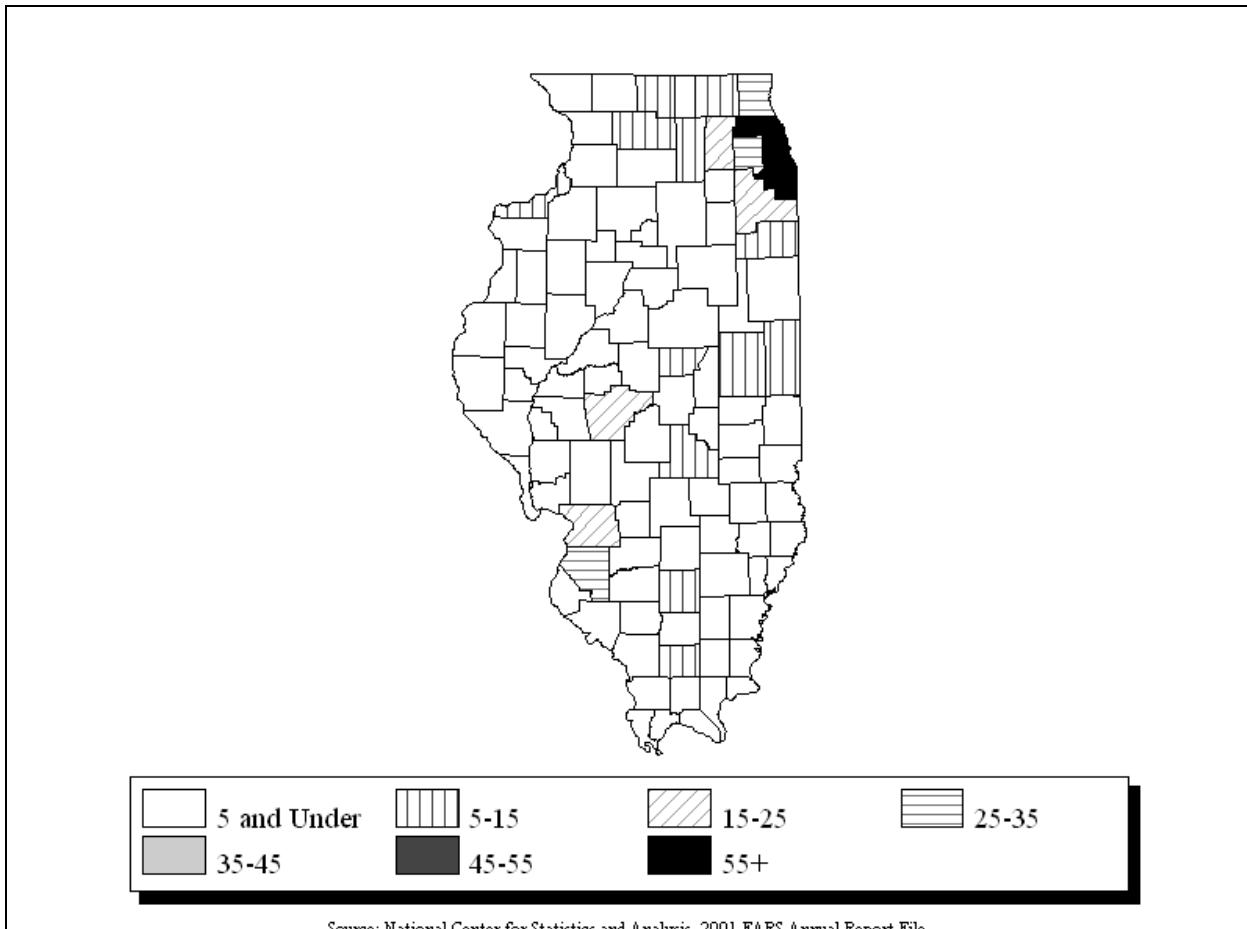
## ILLINOIS

Change in AR-Rates over time, Illinois vs. US		
Time Period	Illinois	US
1982 to 2001	-61%	-62%
Last 10 years	-30%	-32%
Last 5 years	-14%	-11%
Last 3 Years	-2%	0%
Last 1 Year	-2%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/02/97)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	961	504	52	2.45	1.29
1983	1,016	505	50	2.55	1.27
1984	925	474	51	2.25	1.15
1985	974	445	46	2.39	1.09
1986	1,038	539	52	2.55	1.32
1987	1,055	454	43	2.42	1.04
1988	1,099	530	48	2.15	1.04
1989	971	447	46	1.73	0.80
1990	1,049	485	46	1.95	0.90
1991	1,022	493	48	1.88	0.91
1992	901	375	42	1.58	0.66
1993	901	351	39	1.49	0.58
1994	971	353	36	1.59	0.58
1995	960	348	36	1.49	0.54
1996	984	350	36	1.49	0.53
1997	935	331	35	1.36	0.48
1998	982	405	41	1.42	0.59
1999	1,020	384	38	1.46	0.55
2000	886	303	34	1.25	0.43
2001	909	337	37	1.27	0.47

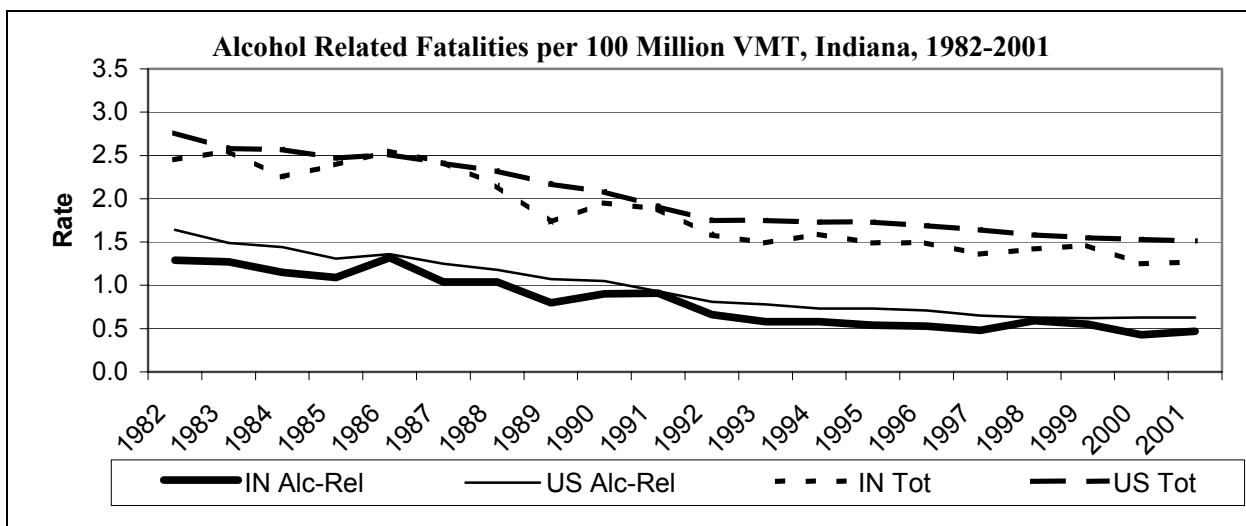
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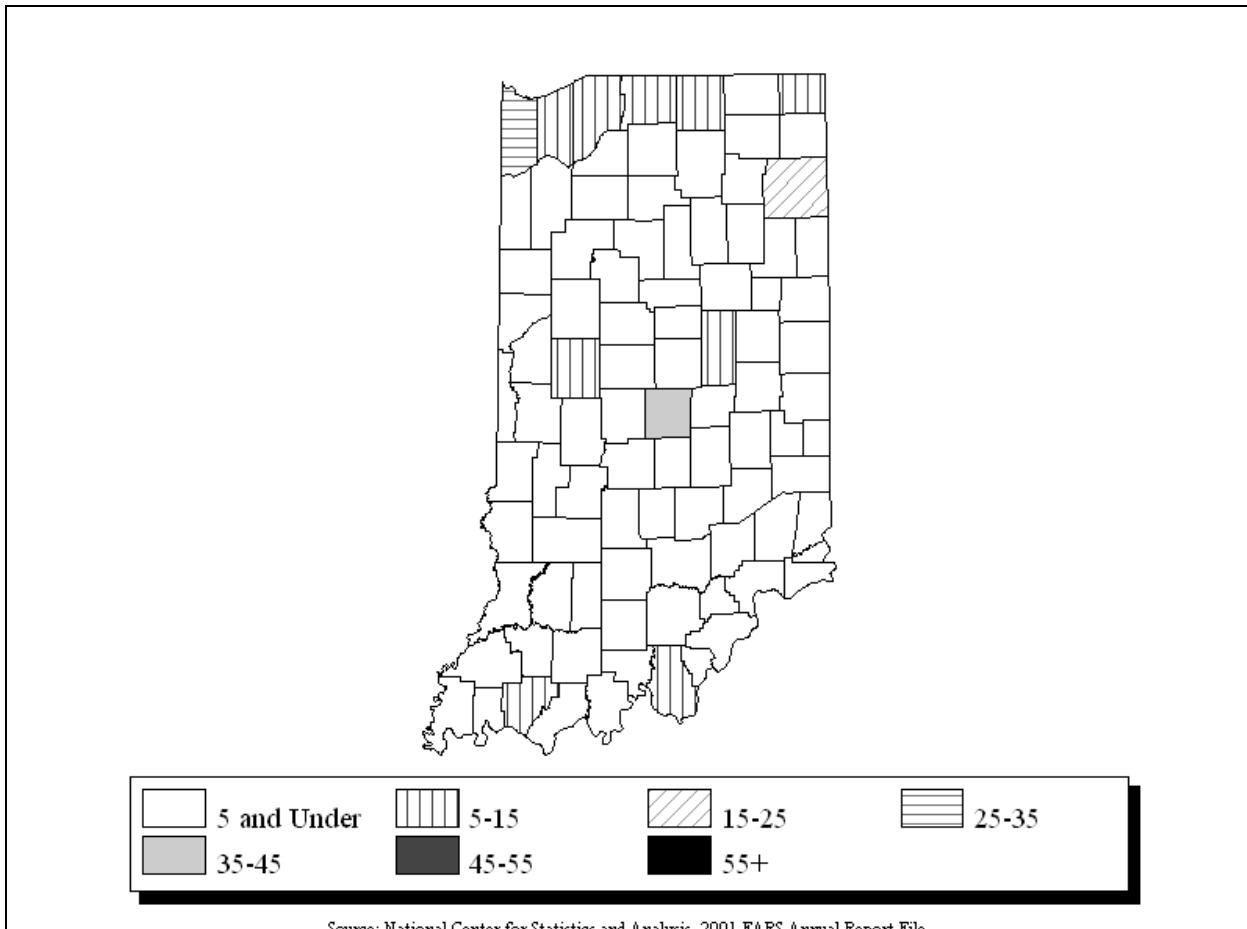
## INDIANA

Change in AR-Rates over time, Indiana vs. US		
Time Period	Indiana	US
1982 to 2001	-64%	-62%
Last 10 years	-48%	-32%
Last 5 years	-11%	-11%
Last 3 Years	-20%	0%
Last 1 Year	9%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/01)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	480	250	52	2.48	1.29
<b>1983</b>	514	305	59	2.61	1.55
<b>1984</b>	420	239	57	2.05	1.17
<b>1985</b>	474	260	55	2.35	1.29
<b>1986</b>	441	228	52	2.16	1.12
<b>1987</b>	491	252	51	2.36	1.21
<b>1988</b>	557	279	50	2.54	1.27
<b>1989</b>	514	232	45	2.28	1.03
<b>1990</b>	465	233	50	2.02	1.01
<b>1991</b>	488	205	42	2.12	0.89
<b>1992</b>	437	176	40	1.83	0.74
<b>1993</b>	459	208	45	1.83	0.83
<b>1994</b>	478	211	44	1.86	0.82
<b>1995</b>	527	219	42	2.03	0.84
<b>1996</b>	465	199	43	1.73	0.74
<b>1997</b>	468	178	38	1.67	0.64
<b>1998</b>	449	163	36	1.55	0.56
<b>1999</b>	490	169	34	1.68	0.58
<b>2000</b>	445	139	31	1.51	0.47
<b>2001</b>	447	155	35	1.49	0.52

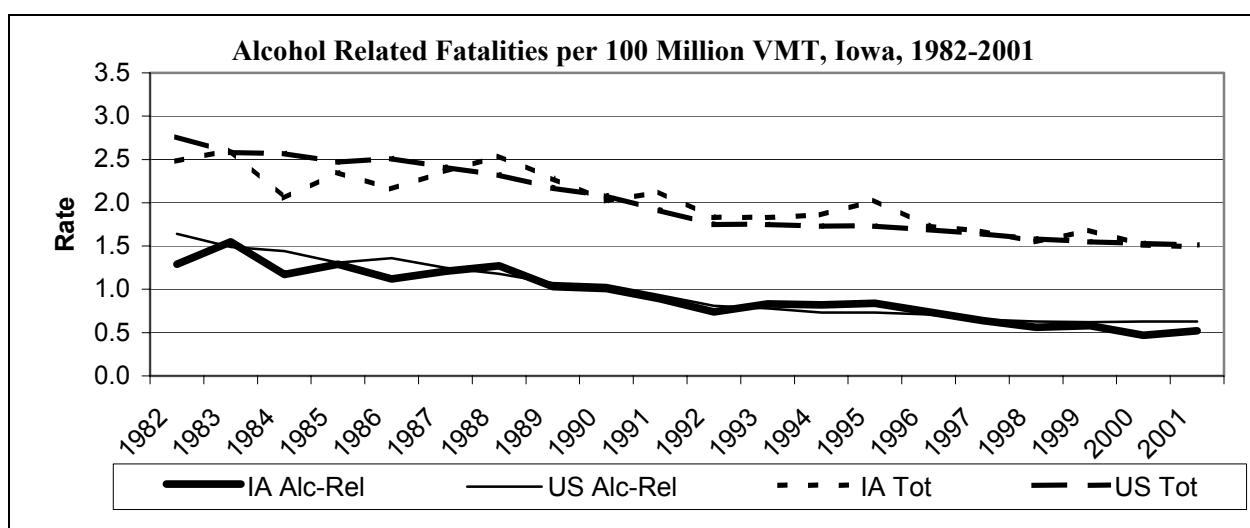
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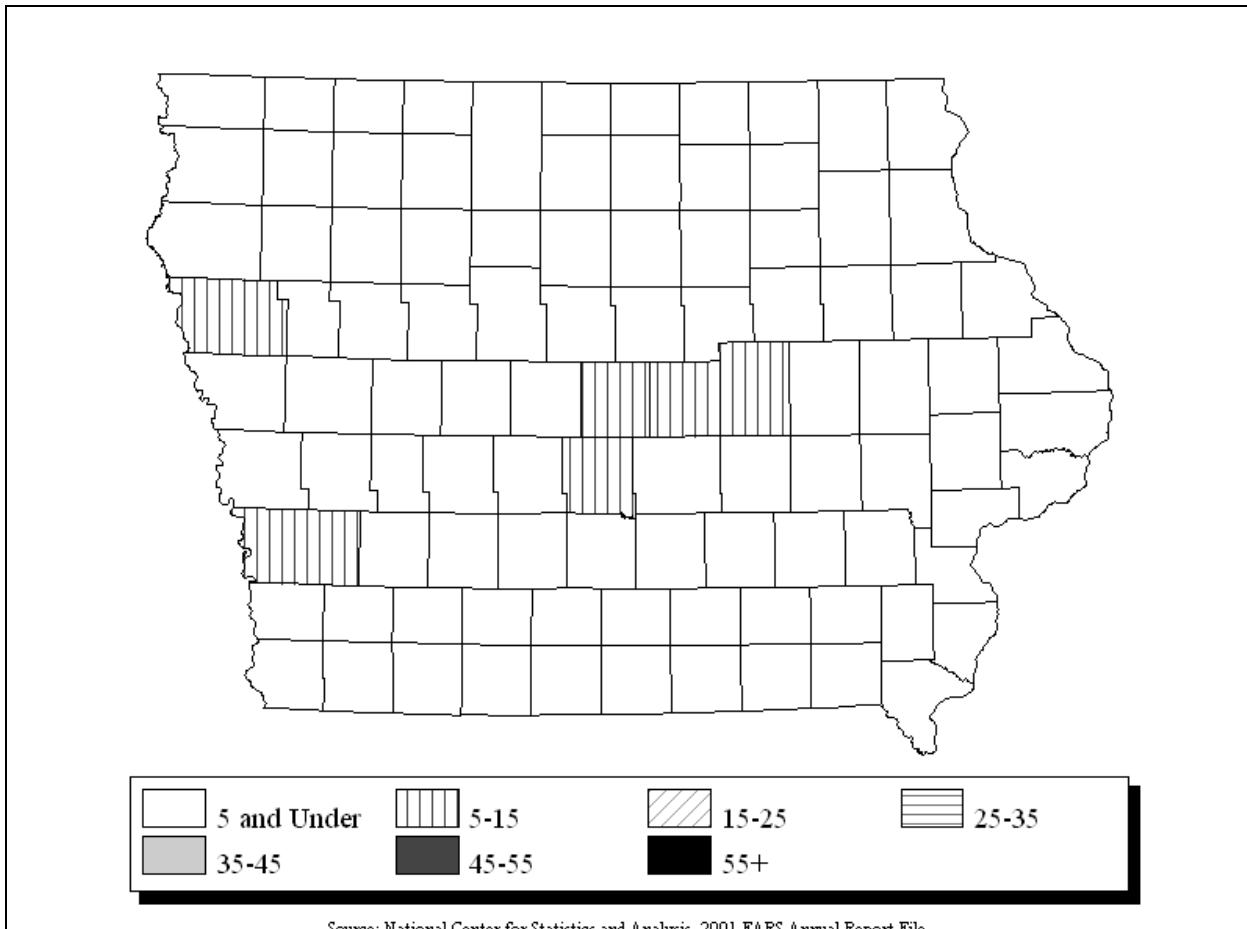
IOWA

Change in AR-Rates over time, Iowa vs. US		
Time Period	Iowa	US
<b>1982 to 2001</b>	-60%	-62%
Last 10 years	-42%	-32%
Last 5 years	-30%	-11%
Last 3 Years	-7%	0%
Last 1 Year	11%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	498	253	51	2.82	1.43
<b>1983</b>	411	214	52	2.26	1.18
<b>1984</b>	510	251	49	2.72	1.34
<b>1985</b>	486	214	44	2.52	1.11
<b>1986</b>	500	279	56	2.52	1.41
<b>1987</b>	491	248	50	2.39	1.21
<b>1988</b>	483	225	47	2.28	1.06
<b>1989</b>	428	194	45	1.95	0.89
<b>1990</b>	444	227	51	1.94	0.99
<b>1991</b>	409	189	46	1.76	0.82
<b>1992</b>	387	158	41	1.60	0.65
<b>1993</b>	428	157	37	1.77	0.65
<b>1994</b>	442	169	38	1.79	0.68
<b>1995</b>	442	184	42	1.76	0.73
<b>1996</b>	490	203	41	1.89	0.78
<b>1997</b>	482	147	30	1.82	0.55
<b>1998</b>	492	165	34	1.82	0.61
<b>1999</b>	540	193	36	1.95	0.70
<b>2000</b>	461	161	35	1.64	0.57
<b>2001</b>	494	194	39	1.75	0.69

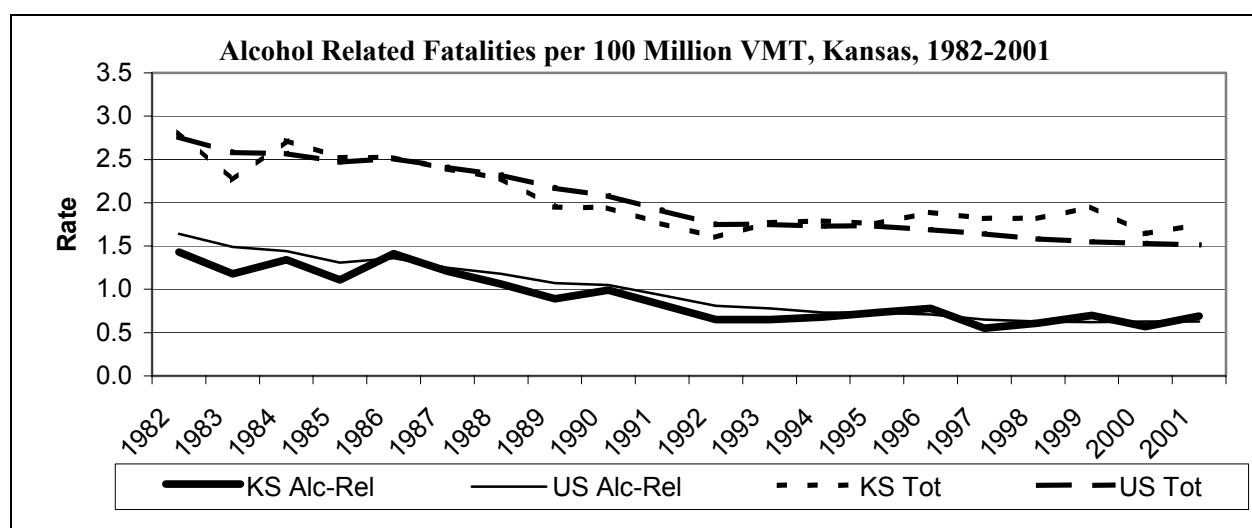
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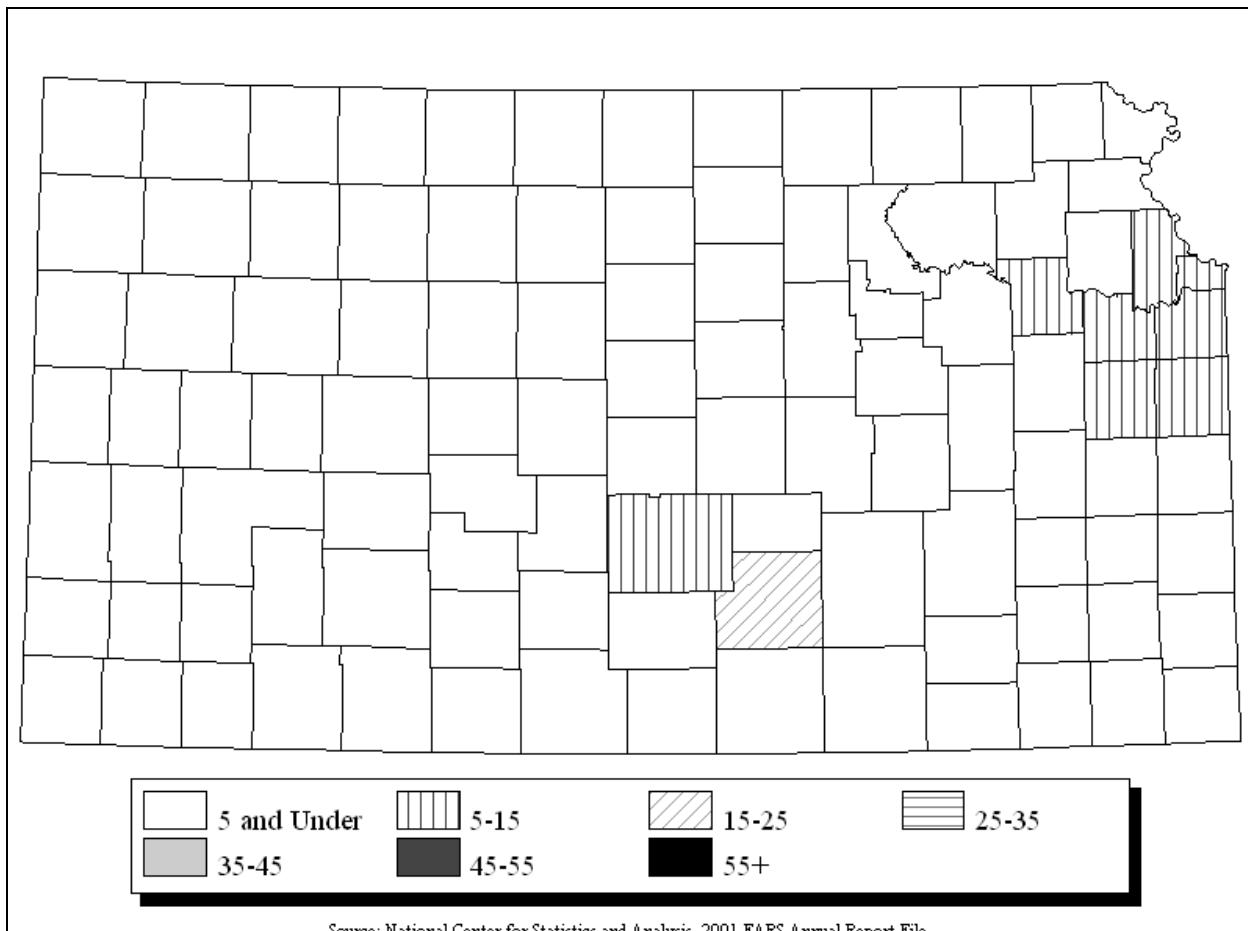
**KANSAS**

Change in AR-Rates over time, Kansas vs. US		
Time Period	Kansas	US
<b>1982 to 2001</b>	-52%	-62%
Last 10 years	-16%	-32%
Last 5 years	-12%	-11%
Last 3 Years	13%	0%
Last 1 Year	21%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/93)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	822	482	59	3.21	1.88
1983	778	435	56	2.91	1.63
1984	754	389	52	2.70	1.39
1985	712	343	48	2.50	1.20
1986	805	398	49	2.75	1.36
1987	844	407	48	2.78	1.34
1988	838	411	49	2.65	1.30
1989	772	341	44	2.40	1.06
1990	849	371	44	2.52	1.10
1991	826	380	46	2.35	1.08
1992	815	333	41	2.14	0.87
1993	871	338	39	2.20	0.85
1994	778	309	40	1.95	0.78
1995	849	302	36	2.07	0.73
1996	842	317	38	1.98	0.74
1997	857	301	35	1.91	0.67
1998	858	306	36	1.84	0.66
1999	814	300	37	1.70	0.63
2000	820	280	34	1.75	0.60
2001	845	247	29	1.83	0.53

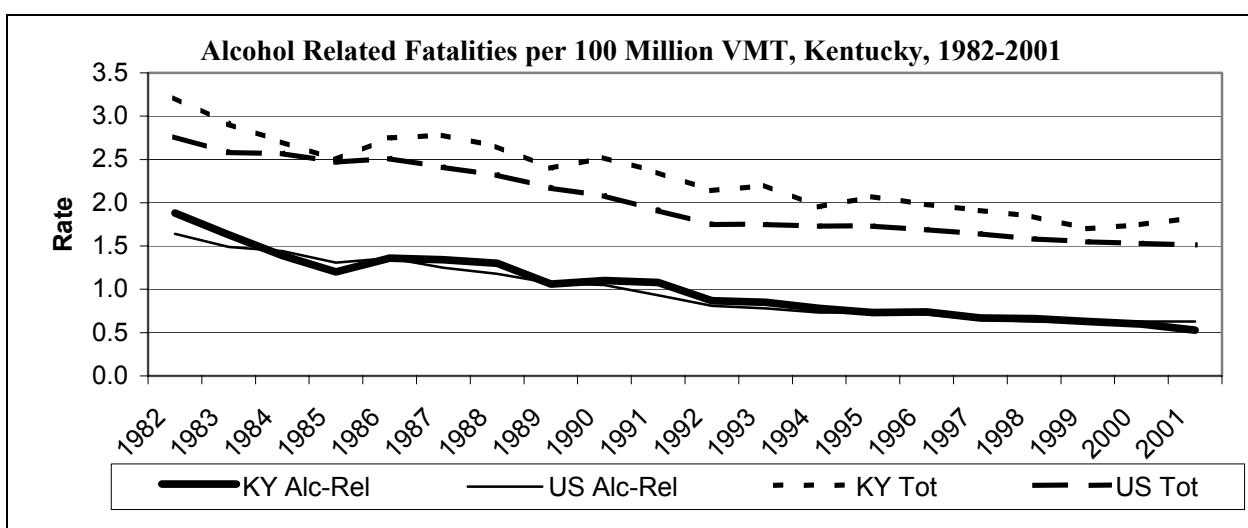
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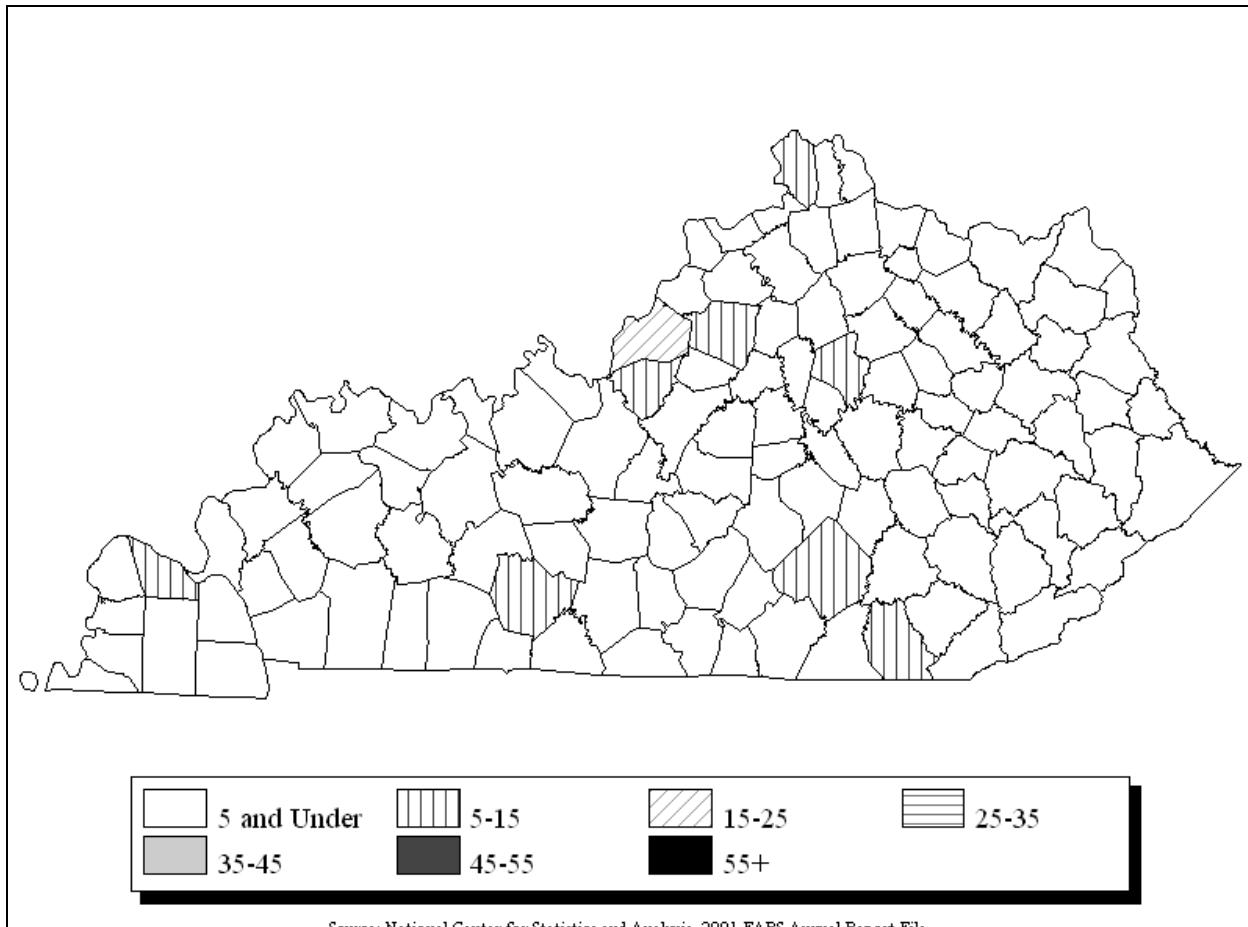
## KENTUCKY

Change in AR-Rates over time, Kentucky vs. US		
Time Period	Kentucky	US
1982 to 2001	-72%	-62%
Last 10 years	-51%	-32%
Last 5 years	-28%	-11%
Last 3 Years	-20%	0%
Last 1 Year	-12%	0%

Impaired Driving Legislations	
Law	BAC Level
Administrative Per Se BAC Level	-
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(10/01/00)</i>
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,091	658	60	4.06	2.45
<b>1983</b>	933	538	58	3.07	1.77
<b>1984</b>	961	590	61	2.94	1.81
<b>1985</b>	931	471	51	2.79	1.41
<b>1986</b>	932	502	54	3.12	1.68
<b>1987</b>	826	460	56	2.73	1.52
<b>1988</b>	925	490	53	2.67	1.41
<b>1989</b>	878	442	50	2.47	1.24
<b>1990</b>	959	550	57	2.53	1.45
<b>1991</b>	862	491	57	2.48	1.41
<b>1992</b>	886	493	56	2.62	1.46
<b>1993</b>	878	483	55	2.42	1.33
<b>1994</b>	843	429	51	2.25	1.15
<b>1995</b>	894	476	53	2.31	1.23
<b>1996</b>	902	461	51	2.37	1.21
<b>1997</b>	931	444	48	2.40	1.14
<b>1998</b>	926	443	48	2.30	1.10
<b>1999</b>	938	445	47	2.28	1.08
<b>2000</b>	938	454	48	2.30	1.11
<b>2001</b>	954	445	47	2.32	1.08

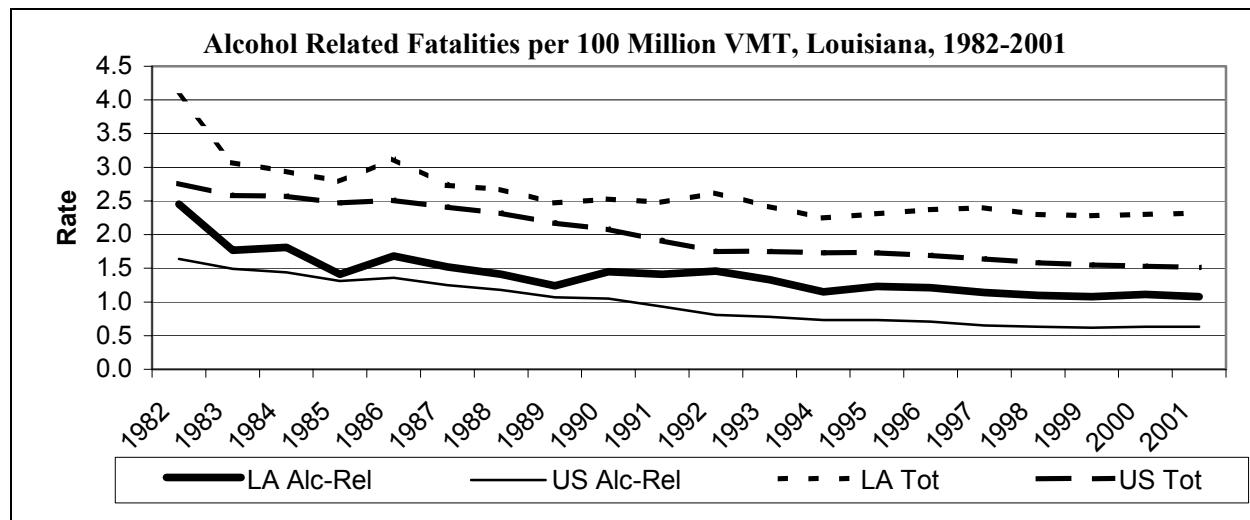
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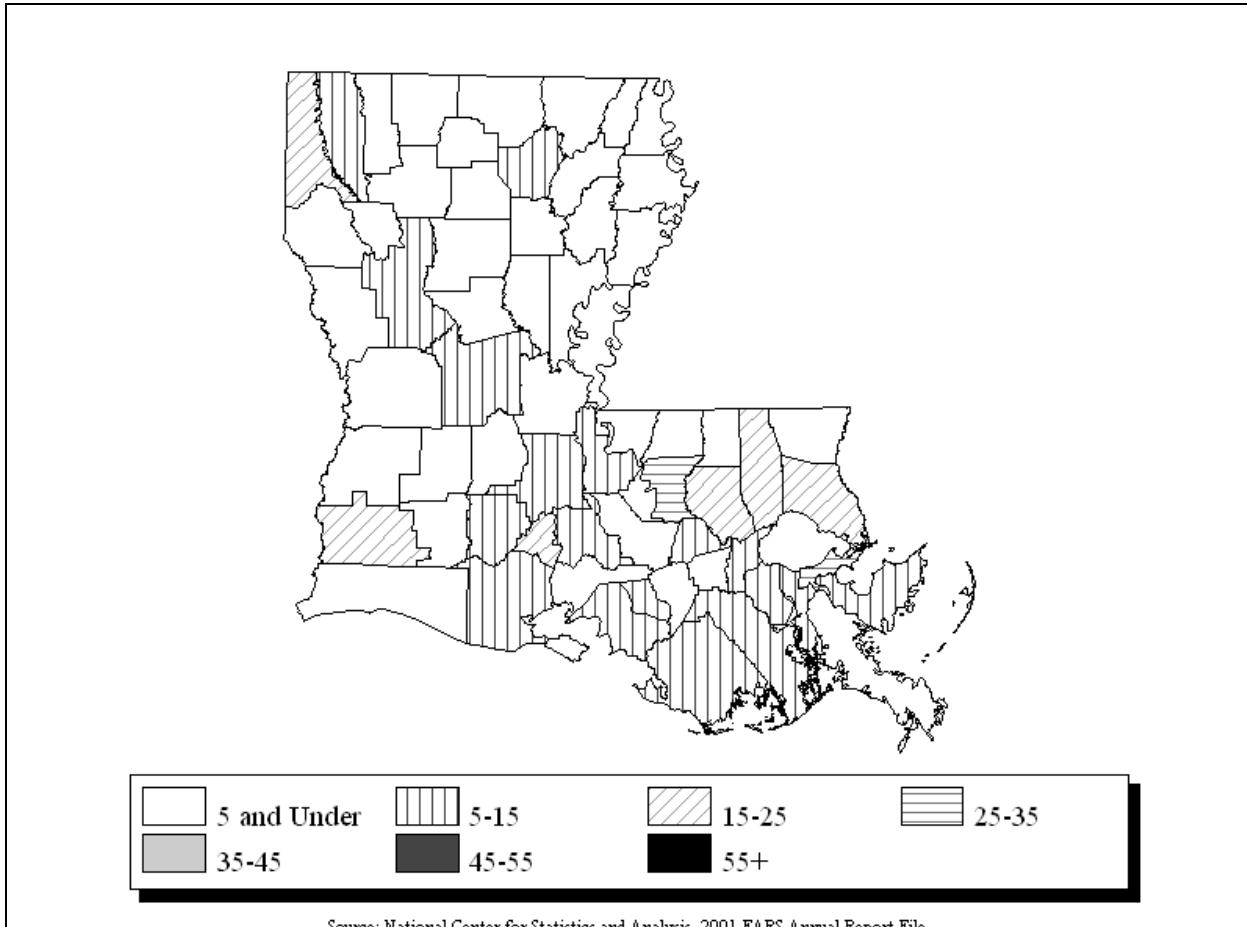
## LOUISIANA

Change in AR-Rates over time, Louisiana vs. US		
Time Period	Louisiana	US
<b>1982 to 2001</b>	-56%	-62%
Last 10 years	-23%	-32%
Last 5 years	-11%	-11%
Last 3 Years	-2%	0%
Last 1 Year	-3%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08*	(09/30/03)
Youthful (under 21) Offenders BAC Level	0.02	

\*Enacted as of 09/03/2002 but effective as of a later date.



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	166	94	56	2.17	1.23
<b>1983</b>	224	135	60	2.90	1.75
<b>1984</b>	232	132	57	2.68	1.53
<b>1985</b>	206	112	54	2.22	1.21
<b>1986</b>	214	113	53	2.14	1.13
<b>1987</b>	232	119	51	2.15	1.11
<b>1988</b>	256	103	40	2.25	0.90
<b>1989</b>	194	70	36	1.65	0.60
<b>1990</b>	213	94	44	1.79	0.79
<b>1991</b>	205	83	41	1.73	0.70
<b>1992</b>	214	90	42	1.76	0.74
<b>1993</b>	185	77	42	1.52	0.63
<b>1994</b>	188	66	35	1.51	0.53
<b>1995</b>	187	58	31	1.49	0.46
<b>1996</b>	169	65	38	1.32	0.51
<b>1997</b>	192	65	34	1.45	0.49
<b>1998</b>	192	55	28	1.42	0.41
<b>1999</b>	181	60	33	1.28	0.42
<b>2000</b>	169	51	30	1.19	0.36
<b>2001</b>	192	65	34	1.33	0.45

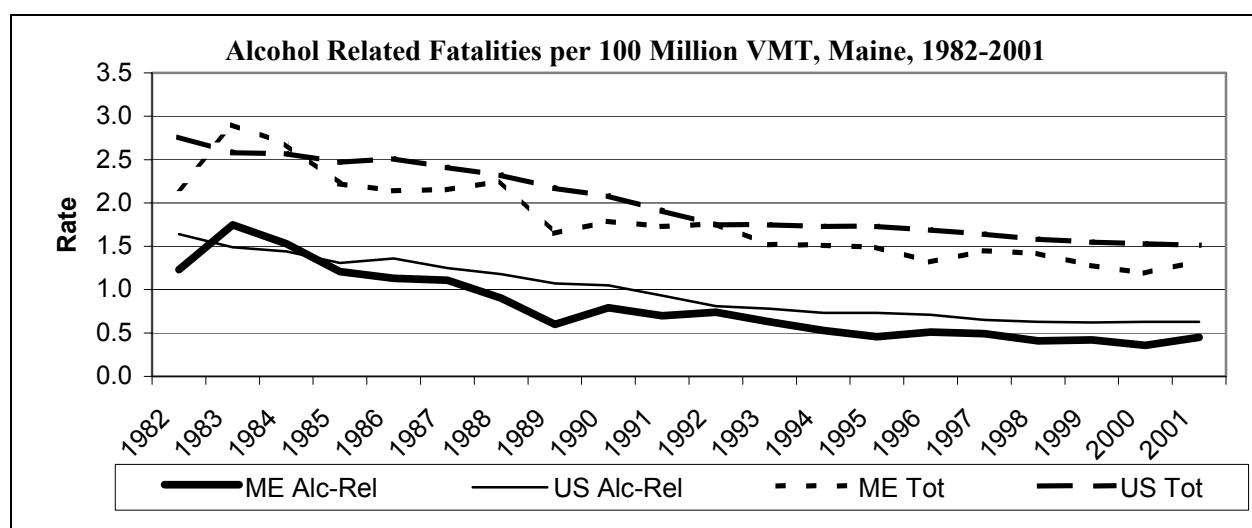
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

**MAINE**

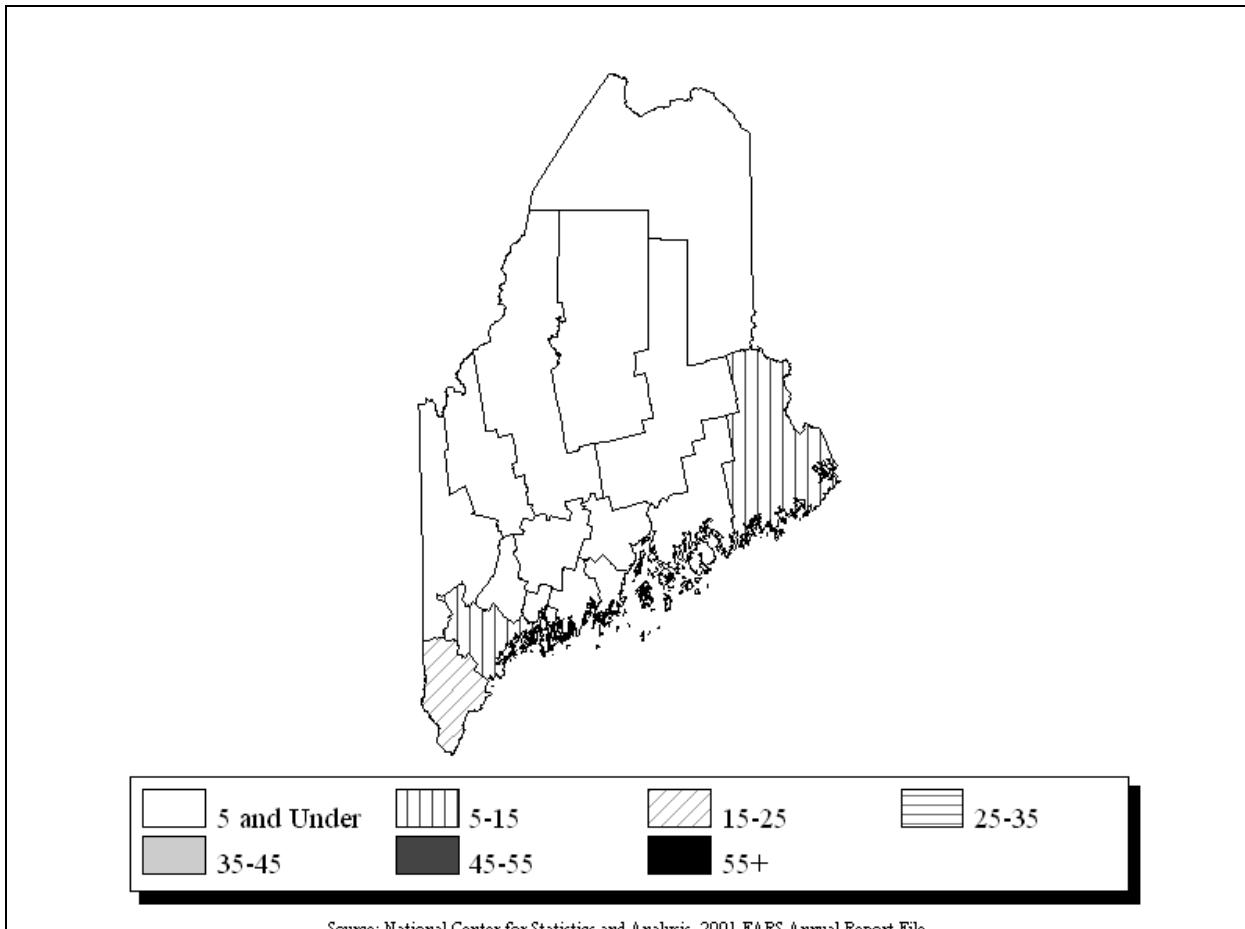
Change in AR-Rates over time, Maine vs. US		
Time Period	Maine	US
<b>1982 to 2001</b>	-63%	-62%
Last 10 years	-36%	-32%
Last 5 years	-12%	-11%
Last 3 Years	10%	0%
Last 1 Year	25%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(08/04/88)</i>	
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



## **Alcohol Related Fatalities by County [2001]**



## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	640	360	56	2.21	1.24
<b>1983</b>	656	382	58	2.11	1.23
<b>1984</b>	643	344	54	2.03	1.09
<b>1985</b>	729	378	52	2.19	1.13
<b>1986</b>	784	407	52	2.23	1.16
<b>1987</b>	814	380	47	2.23	1.04
<b>1988</b>	781	352	45	2.08	0.94
<b>1989</b>	726	316	43	1.87	0.81
<b>1990</b>	707	325	46	1.74	0.80
<b>1991</b>	694	261	38	1.68	0.63
<b>1992</b>	659	243	37	1.57	0.58
<b>1993</b>	666	244	37	1.54	0.56
<b>1994</b>	651	232	36	1.47	0.53
<b>1995</b>	671	249	37	1.50	0.55
<b>1996</b>	608	213	35	1.32	0.46
<b>1997</b>	611	224	37	1.31	0.48
<b>1998</b>	606	223	37	1.25	0.46
<b>1999</b>	590	215	36	1.20	0.44
<b>2000</b>	588	240	41	1.17	0.48
<b>2001</b>	660	290	44	1.27	0.56

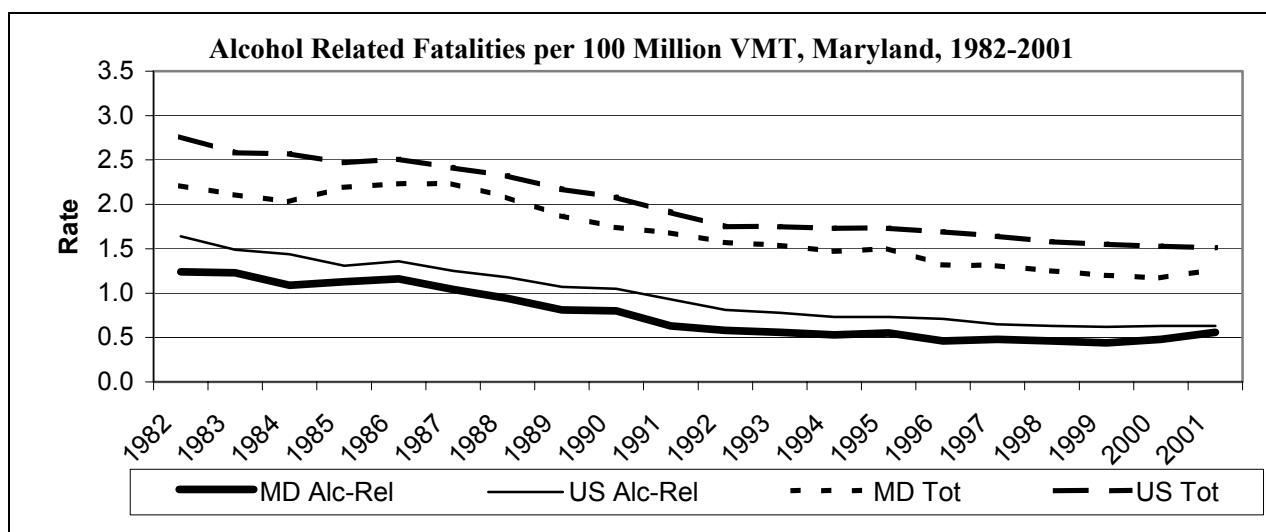
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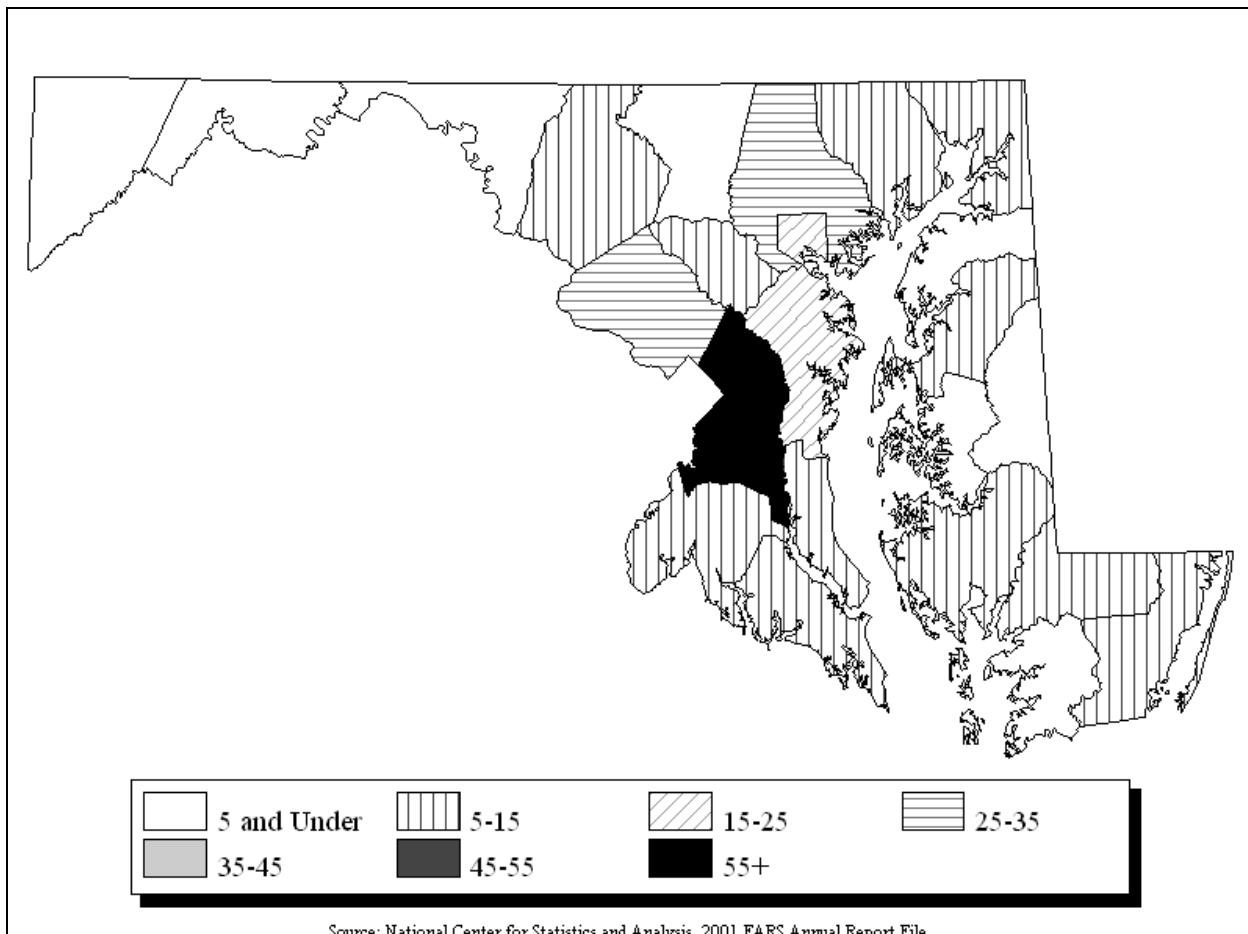
## MARYLAND

Change in AR-Rates over time, Maryland vs. US		
Time Period	Maryland	US
<b>1982 to 2001</b>	-55%	-62%
Last 10 years	-11%	-32%
Last 5 years	22%	-11%
Last 3 Years	22%	0%
Last 1 Year	17%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(09/30/01)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	659	407	62	1.80	1.11
<b>1983</b>	651	409	63	1.73	1.09
<b>1984</b>	666	411	62	1.73	1.07
<b>1985</b>	742	390	53	1.87	0.98
<b>1986</b>	752	405	54	1.84	0.99
<b>1987</b>	689	377	55	1.63	0.89
<b>1988</b>	725	408	56	1.67	0.94
<b>1989</b>	696	384	55	1.51	0.83
<b>1990</b>	605	349	58	1.31	0.76
<b>1991</b>	552	288	52	1.19	0.62
<b>1992</b>	485	262	54	1.02	0.55
<b>1993</b>	475	208	44	1.02	0.45
<b>1994</b>	440	212	48	0.94	0.45
<b>1995</b>	444	193	43	0.92	0.40
<b>1996</b>	417	184	44	0.83	0.37
<b>1997</b>	441	198	45	0.87	0.39
<b>1998</b>	406	184	45	0.78	0.36
<b>1999</b>	414	195	47	0.80	0.38
<b>2000</b>	433	216	50	0.82	0.41
<b>2001</b>	477	234	49	0.90	0.44

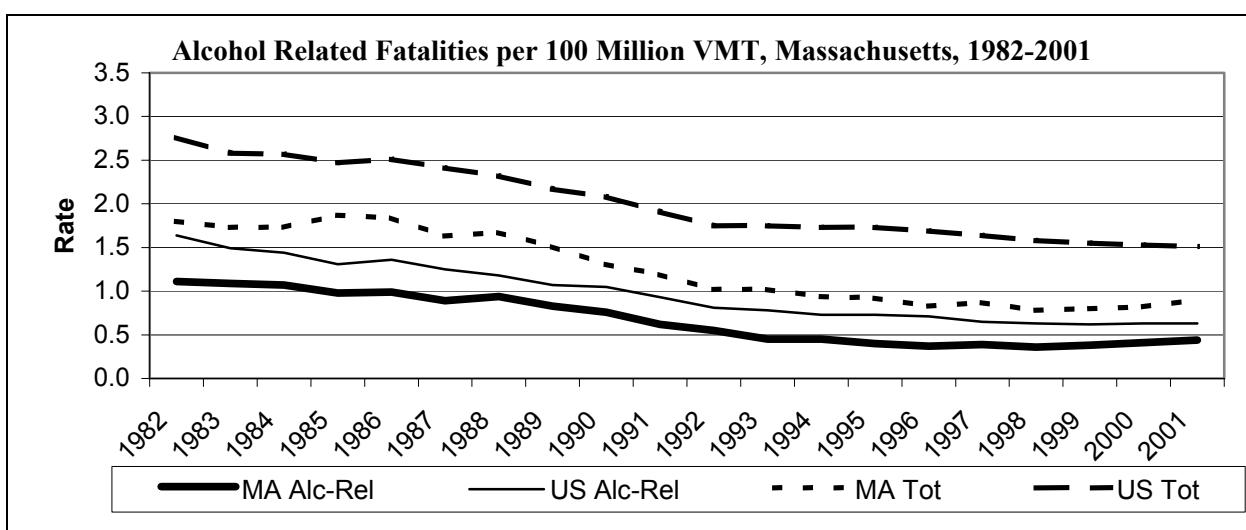
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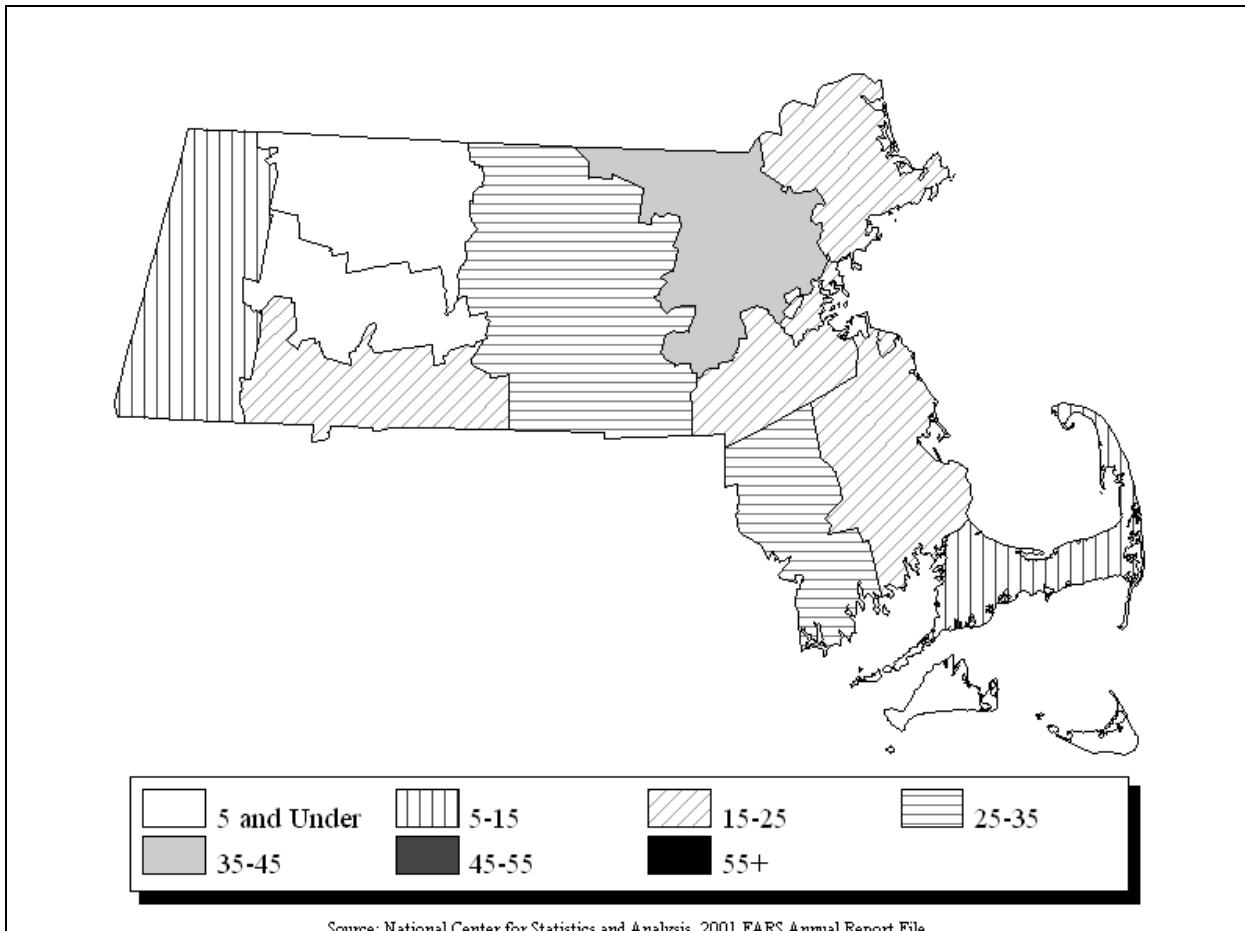
## MASSACHUSETTS

Change in AR-Rates over time, Massachusetts vs. US		
Time Period	Massachusetts	US
<b>1982 to 2001</b>	-60%	-62%
Last 10 years	-29%	-32%
Last 5 years	19%	-11%
Last 3 Years	22%	0%
Last 1 Year	7%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level		0.08
Illegal Per Se BAC Level <i>(Effective Date)</i>		- (-)
Youthful (under 21) Offenders BAC Level		0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,392	871	63	2.27	1.42
<b>1983</b>	1,314	788	60	2.16	1.29
<b>1984</b>	1,531	897	59	2.41	1.41
<b>1985</b>	1,545	788	51	2.29	1.17
<b>1986</b>	1,605	862	54	2.23	1.20
<b>1987</b>	1,602	839	52	2.12	1.11
<b>1988</b>	1,708	869	51	2.19	1.12
<b>1989</b>	1,639	780	48	2.05	0.98
<b>1990</b>	1,571	798	51	1.94	0.98
<b>1991</b>	1,421	684	48	1.73	0.83
<b>1992</b>	1,300	553	43	1.54	0.66
<b>1993</b>	1,414	632	45	1.65	0.74
<b>1994</b>	1,421	604	43	1.67	0.71
<b>1995</b>	1,530	634	41	1.79	0.74
<b>1996</b>	1,505	630	42	1.67	0.70
<b>1997</b>	1,446	573	40	1.58	0.62
<b>1998</b>	1,366	552	40	1.45	0.59
<b>1999</b>	1,382	565	41	1.44	0.59
<b>2000</b>	1,382	528	38	1.41	0.54
<b>2001</b>	1,328	518	39	1.34	0.52

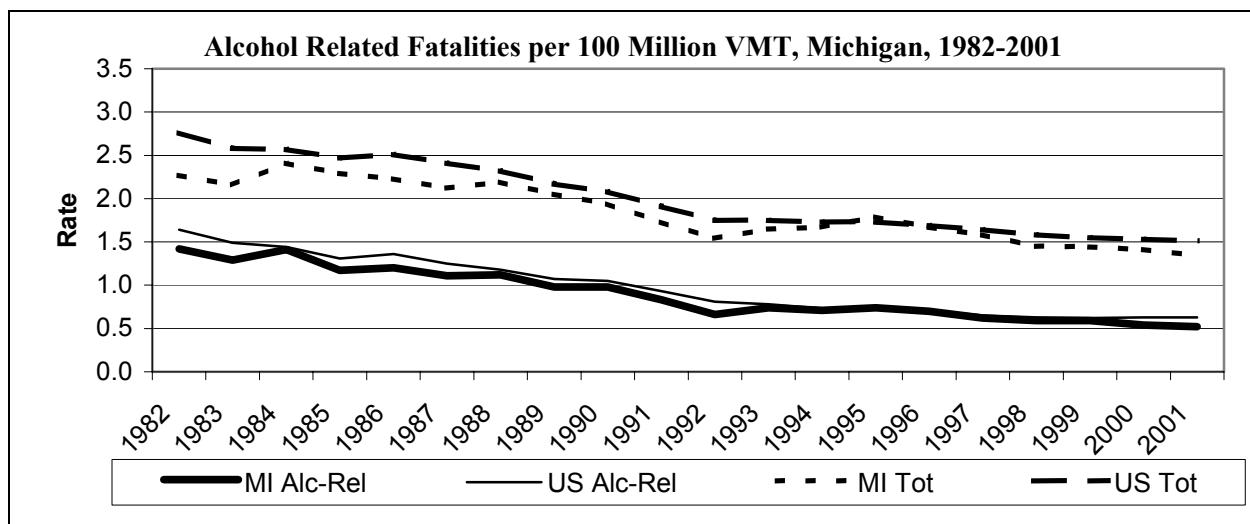
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

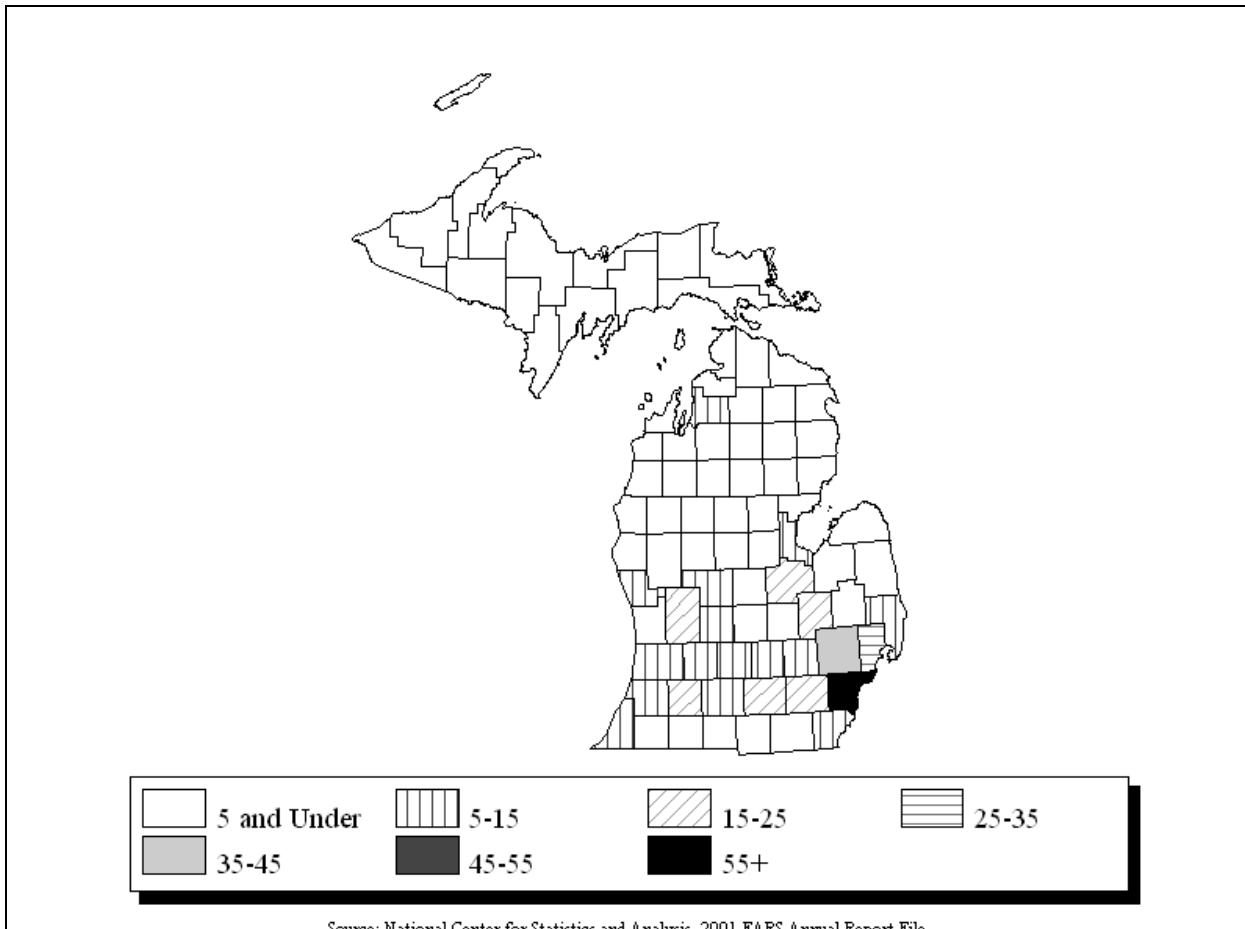
## MICHIGAN

Change in AR-Rates over time, Michigan vs. US		
Time Period	Michigan	US
<b>1982 to 2001</b>	-63%	-62%
Last 10 years	-37%	-32%
Last 5 years	-26%	-11%
Last 3 Years	-12%	0%
Last 1 Year	-4%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	-
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	571	322	56	1.96	1.10
<b>1983</b>	555	314	56	1.79	1.01
<b>1984</b>	582	332	57	1.82	1.04
<b>1985</b>	608	287	47	1.86	0.88
<b>1986</b>	571	284	50	1.69	0.84
<b>1987</b>	530	248	47	1.51	0.71
<b>1988</b>	612	294	48	1.68	0.81
<b>1989</b>	604	289	48	1.62	0.77
<b>1990</b>	566	258	46	1.45	0.66
<b>1991</b>	531	233	44	1.35	0.59
<b>1992</b>	581	240	41	1.41	0.58
<b>1993</b>	538	216	40	1.27	0.51
<b>1994</b>	646	250	39	1.49	0.58
<b>1995</b>	597	269	45	1.35	0.61
<b>1996</b>	576	222	38	1.30	0.50
<b>1997</b>	600	197	33	1.22	0.40
<b>1998</b>	650	285	44	1.31	0.57
<b>1999</b>	626	206	33	1.22	0.40
<b>2000</b>	625	258	41	1.19	0.49
<b>2001</b>	568	226	40	1.06	0.42

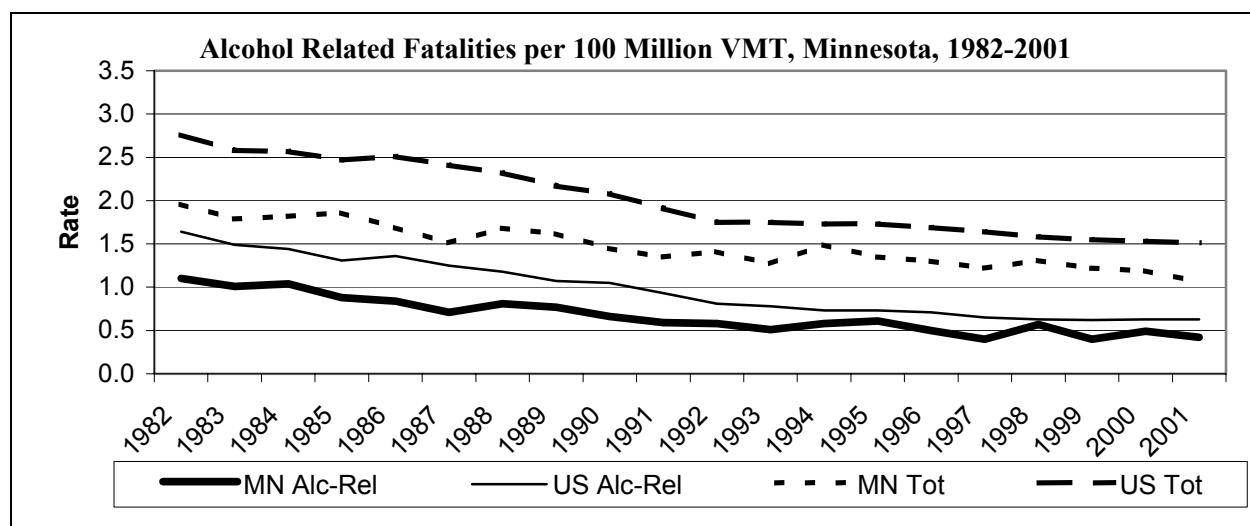
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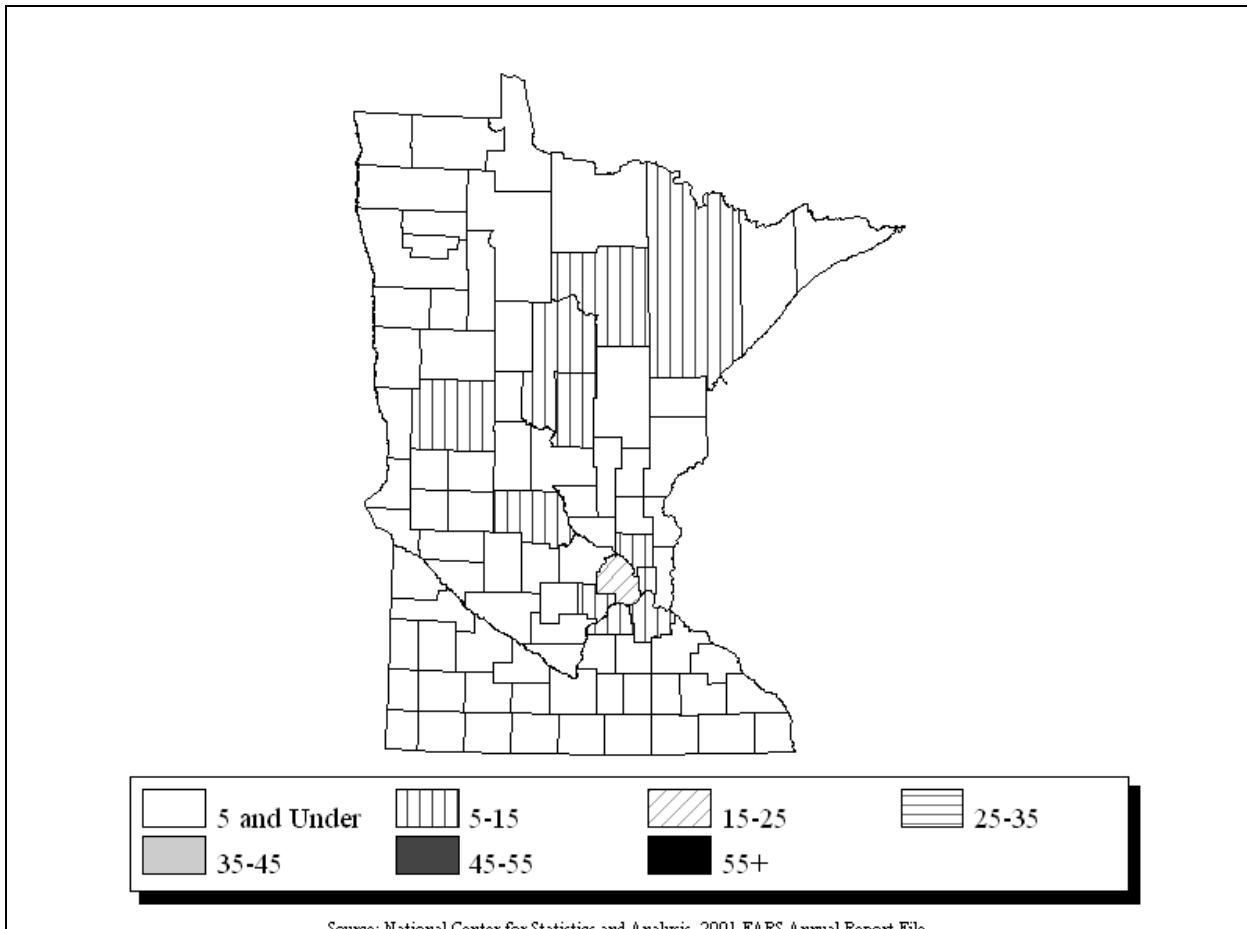
## MINNESOTA

Change in AR-Rates over time, Minnesota vs. US		
Time Period	Minnesota	US
<b>1982 to 2001</b>	-62%	-62%
Last 10 years	-29%	-32%
Last 5 years	-16%	-11%
Last 3 Years	-26%	0%
Last 1 Year	-14%	0%

Impaired Driving Legislation*s		
Law	BAC Level	
Administrative Per Se BAC Level		0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>		0.10 (-)
Youthful (under 21) Offenders BAC Level		0.00

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	730	423	58	4.26	2.47
1983	715	310	43	4.02	1.74
1984	679	247	36	3.68	1.34
1985	662	238	36	3.45	1.24
1986	771	286	37	4.01	1.49
1987	756	242	32	3.75	1.20
1988	722	198	27	3.28	0.90
1989	727	255	35	3.18	1.11
1990	750	280	37	3.07	1.15
1991	714	282	40	2.87	1.13
1992	766	381	50	2.92	1.45
1993	813	392	48	3.03	1.46
1994	791	358	45	2.77	1.25
1995	868	363	42	2.94	1.23
1996	811	344	42	2.65	1.13
1997	861	352	41	2.73	1.12
1998	948	356	38	2.77	1.04
1999	927	367	40	2.66	1.05
2000	949	385	41	2.67	1.08
2001	784	282	36	2.18	0.78

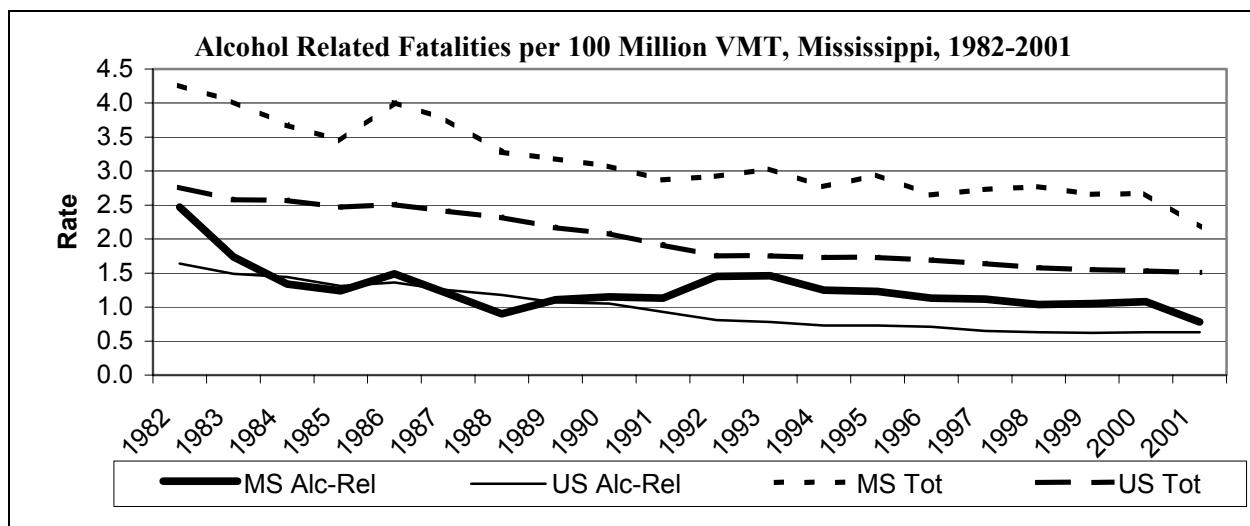
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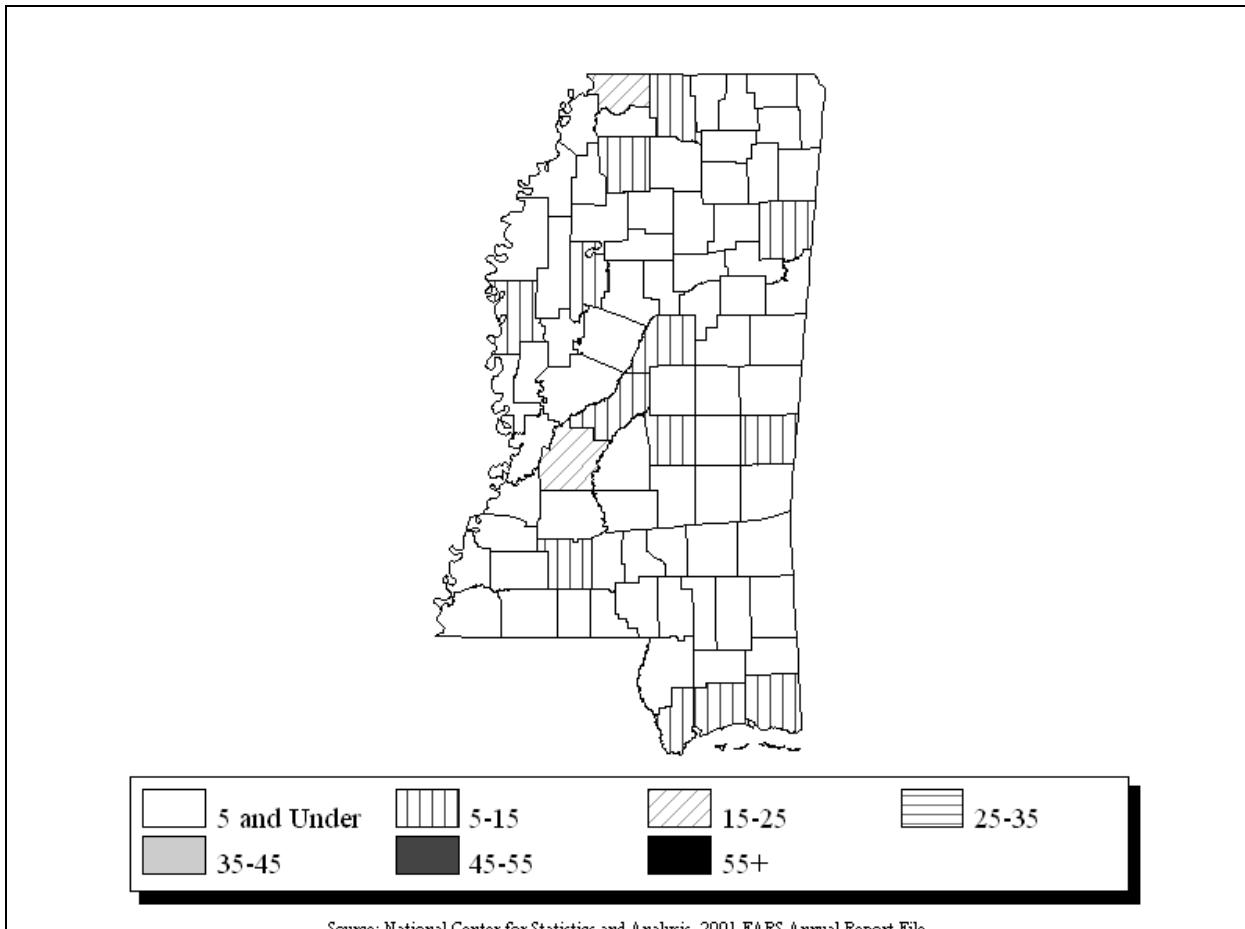
## MISSISSIPPI

Change in AR-Rates over time, Mississippi vs. US		
Time Period	Mississippi	US
1982 to 2001	-68%	-62%
Last 10 years	-31%	-32%
Last 5 years	-31%	-11%
Last 3 Years	-25%	0%
Last 1 Year	-28%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level		0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>		0.10 (-)
Youthful (under 21) Offenders BAC Level		0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	890	483	54	2.54	1.38
1983	911	505	55	2.49	1.38
1984	967	480	50	2.51	1.25
1985	931	434	47	2.37	1.10
1986	1,129	609	54	2.72	1.46
1987	1,045	542	52	2.41	1.25
1988	1,103	601	54	2.42	1.32
1989	1,052	562	53	2.19	1.17
1990	1,097	597	54	2.16	1.17
1991	1,011	516	51	1.98	1.01
1992	985	477	48	1.85	0.90
1993	947	474	50	1.73	0.86
1994	1,089	552	51	1.90	0.96
1995	1,109	560	50	1.87	0.94
1996	1,148	576	50	1.88	0.94
1997	1,192	504	42	1.89	0.80
1998	1,169	513	44	1.81	0.79
1999	1,094	438	40	1.64	0.66
2000	1,157	516	45	1.72	0.77
2001	1,098	523	48	1.62	0.77

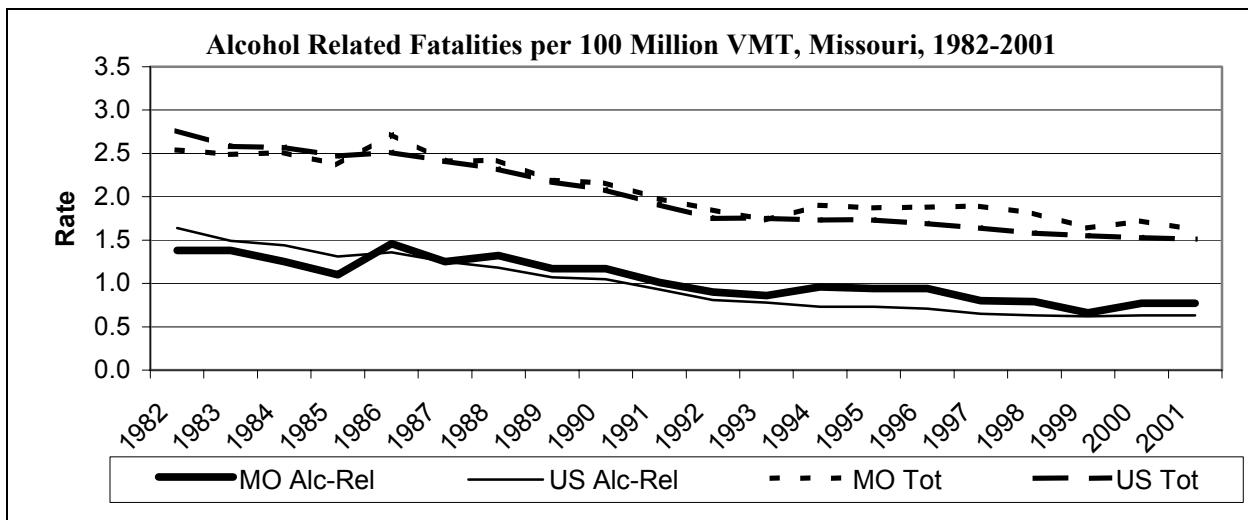
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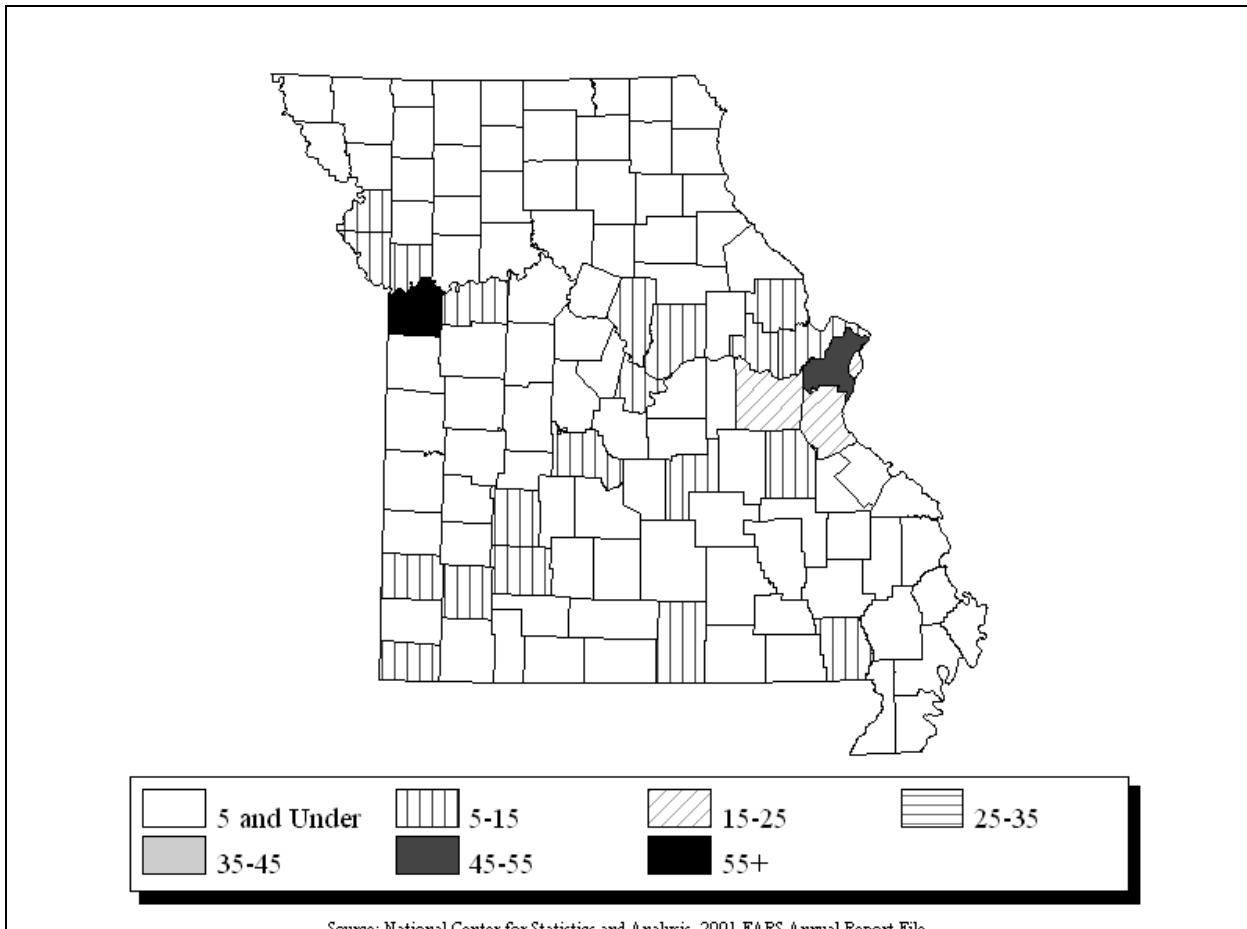
## MISSOURI

Change in AR-Rates over time, Missouri vs. US		
Time Period	Missouri	US
1982 to 2001	-44%	-62%
Last 10 years	-24%	-32%
Last 5 years	-18%	-11%
Last 3 Years	-3%	0%
Last 1 Year	0%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level		0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>		0.08 <i>(09/29/01)</i>
Youthful (under 21) Offenders BAC Level		0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	254	171	67	3.81	2.56
<b>1983</b>	286	184	64	3.98	2.56
<b>1984</b>	238	145	61	3.22	1.96
<b>1985</b>	223	154	69	3.03	2.09
<b>1986</b>	222	122	55	2.87	1.58
<b>1987</b>	234	143	61	2.90	1.77
<b>1988</b>	198	117	59	2.43	1.44
<b>1989</b>	181	94	52	2.19	1.14
<b>1990</b>	212	119	56	2.54	1.43
<b>1991</b>	200	112	56	2.41	1.35
<b>1992</b>	192	104	54	2.25	1.22
<b>1993</b>	195	115	59	2.24	1.32
<b>1994</b>	202	104	52	2.22	1.14
<b>1995</b>	215	95	44	2.28	1.01
<b>1996</b>	200	78	39	2.12	0.83
<b>1997</b>	265	124	47	2.82	1.32
<b>1998</b>	237	105	44	2.47	1.10
<b>1999</b>	220	109	49	2.24	1.11
<b>2000</b>	237	117	49	2.40	1.18
<b>2001</b>	230	104	45	2.30	1.04

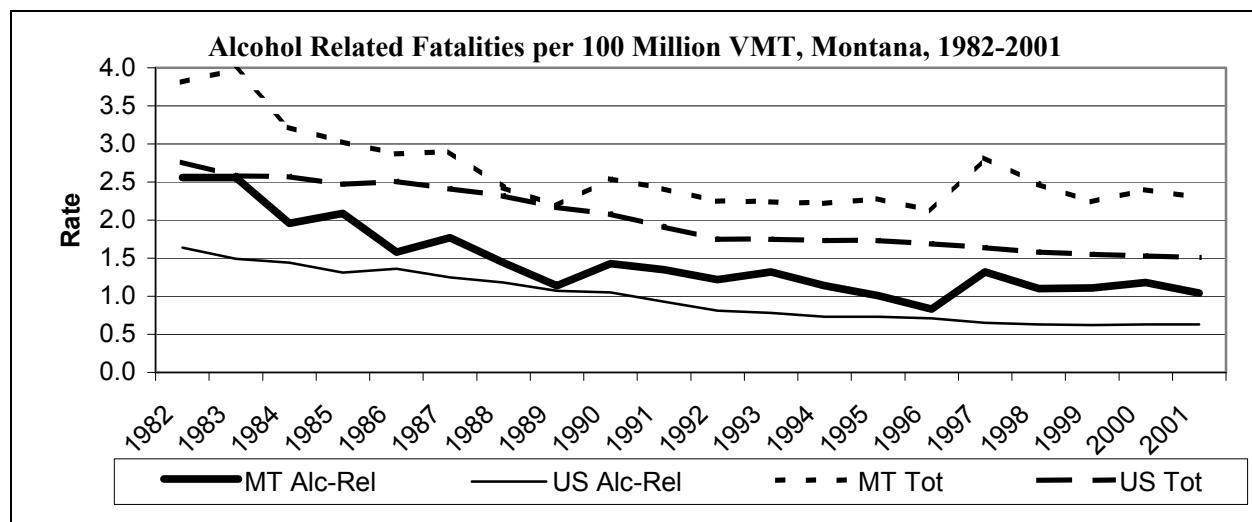
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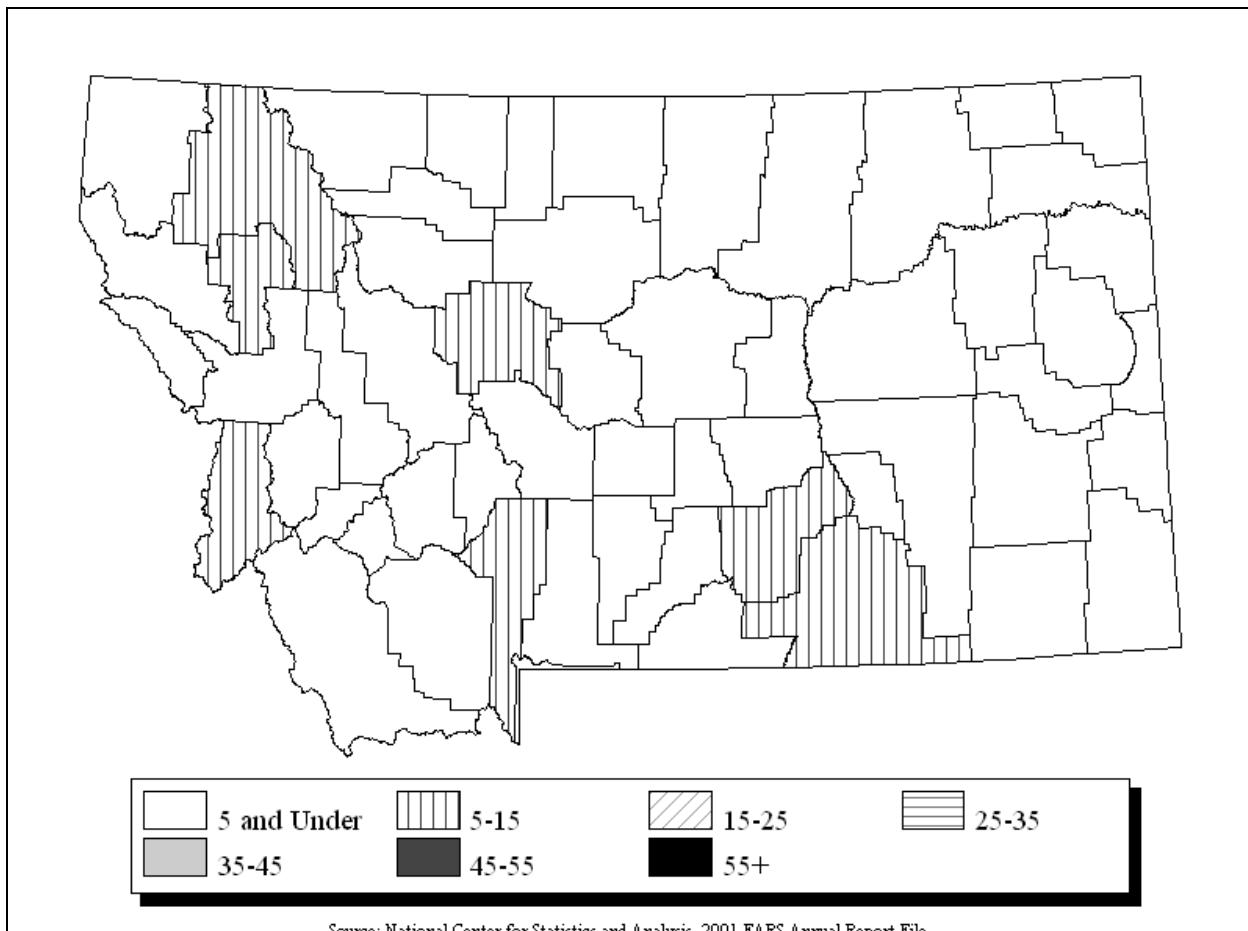
## MONTANA

Change in AR-Rates over time, Montana vs. US		
Time Period	Montana	US
<b>1982 to 2001</b>	-59%	-62%
Last 10 years	-23%	-32%
Last 5 years	25%	-11%
Last 3 Years	-5%	0%
Last 1 Year	-12%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	-
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	261	131	50	2.28	1.15
<b>1983</b>	255	125	49	2.21	1.08
<b>1984</b>	285	133	47	2.38	1.11
<b>1985</b>	237	101	43	1.97	0.84
<b>1986</b>	290	141	49	2.30	1.12
<b>1987</b>	297	130	44	2.27	0.99
<b>1988</b>	261	135	52	1.95	1.01
<b>1989</b>	296	118	40	2.15	0.86
<b>1990</b>	262	110	42	1.88	0.79
<b>1991</b>	275	118	43	1.95	0.84
<b>1992</b>	269	91	34	1.84	0.62
<b>1993</b>	254	106	42	1.72	0.72
<b>1994</b>	271	117	43	1.75	0.76
<b>1995</b>	254	94	37	1.61	0.59
<b>1996</b>	293	102	35	1.80	0.63
<b>1997</b>	302	108	36	1.77	0.63
<b>1998</b>	315	120	38	1.79	0.68
<b>1999</b>	295	126	43	1.64	0.70
<b>2000</b>	276	104	38	1.53	0.58
<b>2001</b>	246	96	39	1.36	0.53

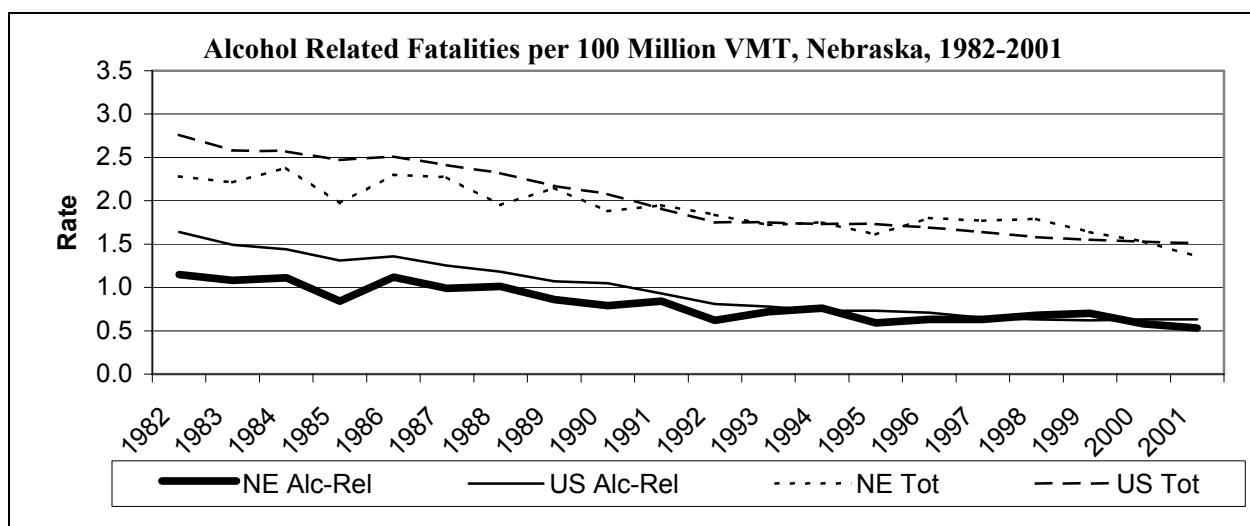
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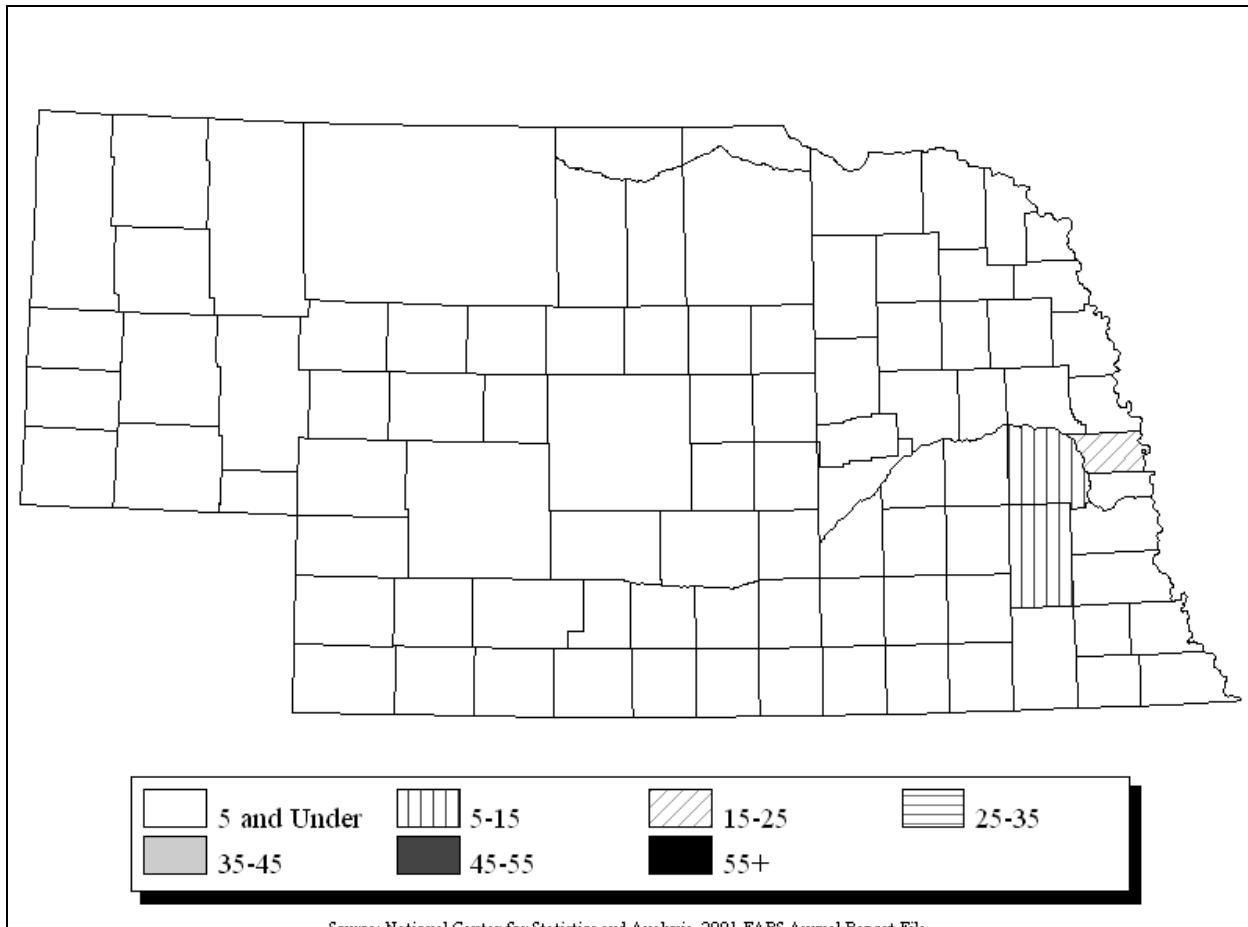
## NEBRASKA

Change in AR-Rates over time, Nebraska vs. US		
Time Period	Nebraska	US
<b>1982 to 2001</b>	-54%	-62%
Last 10 years	-37%	-32%
Last 5 years	-16%	-11%
Last 3 Years	-22%	0%
Last 1 Year	-9%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08	(09/01/01)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	280	191	68	4.37	2.98
<b>1983</b>	253	152	60	3.68	2.21
<b>1984</b>	249	135	54	3.40	1.84
<b>1985</b>	259	148	57	3.42	1.96
<b>1986</b>	233	135	58	2.92	1.69
<b>1987</b>	262	151	58	3.12	1.80
<b>1988</b>	286	162	57	3.18	1.80
<b>1989</b>	308	172	56	3.28	1.83
<b>1990</b>	343	203	59	3.36	1.99
<b>1991</b>	298	165	55	2.84	1.57
<b>1992</b>	254	125	49	2.33	1.15
<b>1993</b>	263	121	46	2.26	1.04
<b>1994</b>	294	144	49	2.26	1.11
<b>1995</b>	313	148	47	2.24	1.06
<b>1996</b>	348	170	49	2.18	1.06
<b>1997</b>	347	155	45	2.13	0.95
<b>1998</b>	361	176	49	2.09	1.02
<b>1999</b>	350	153	44	2.01	0.88
<b>2000</b>	323	140	43	1.83	0.79
<b>2001</b>	313	133	42	1.71	0.73

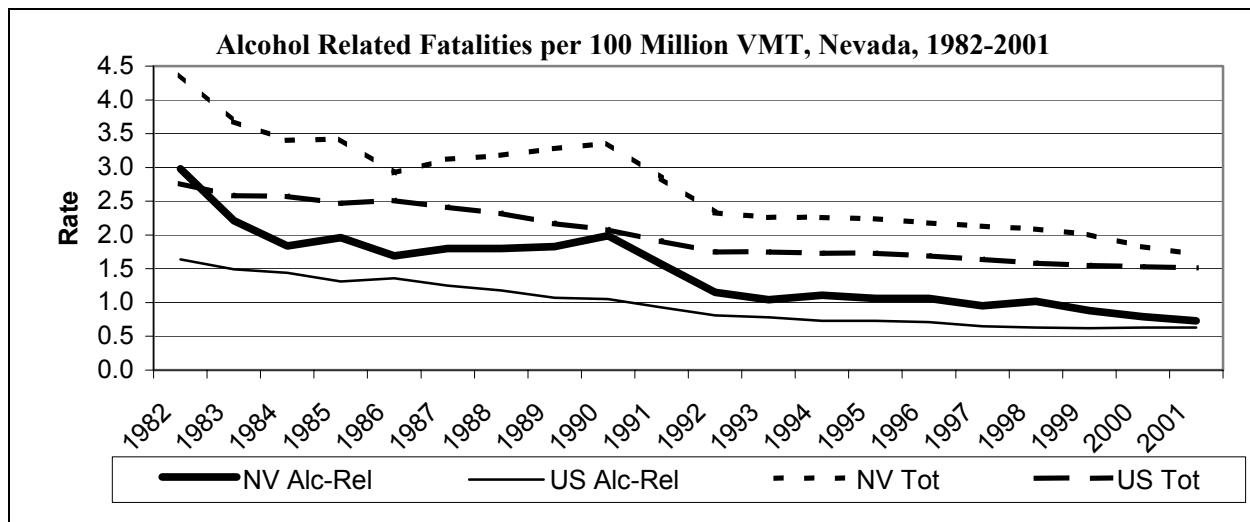
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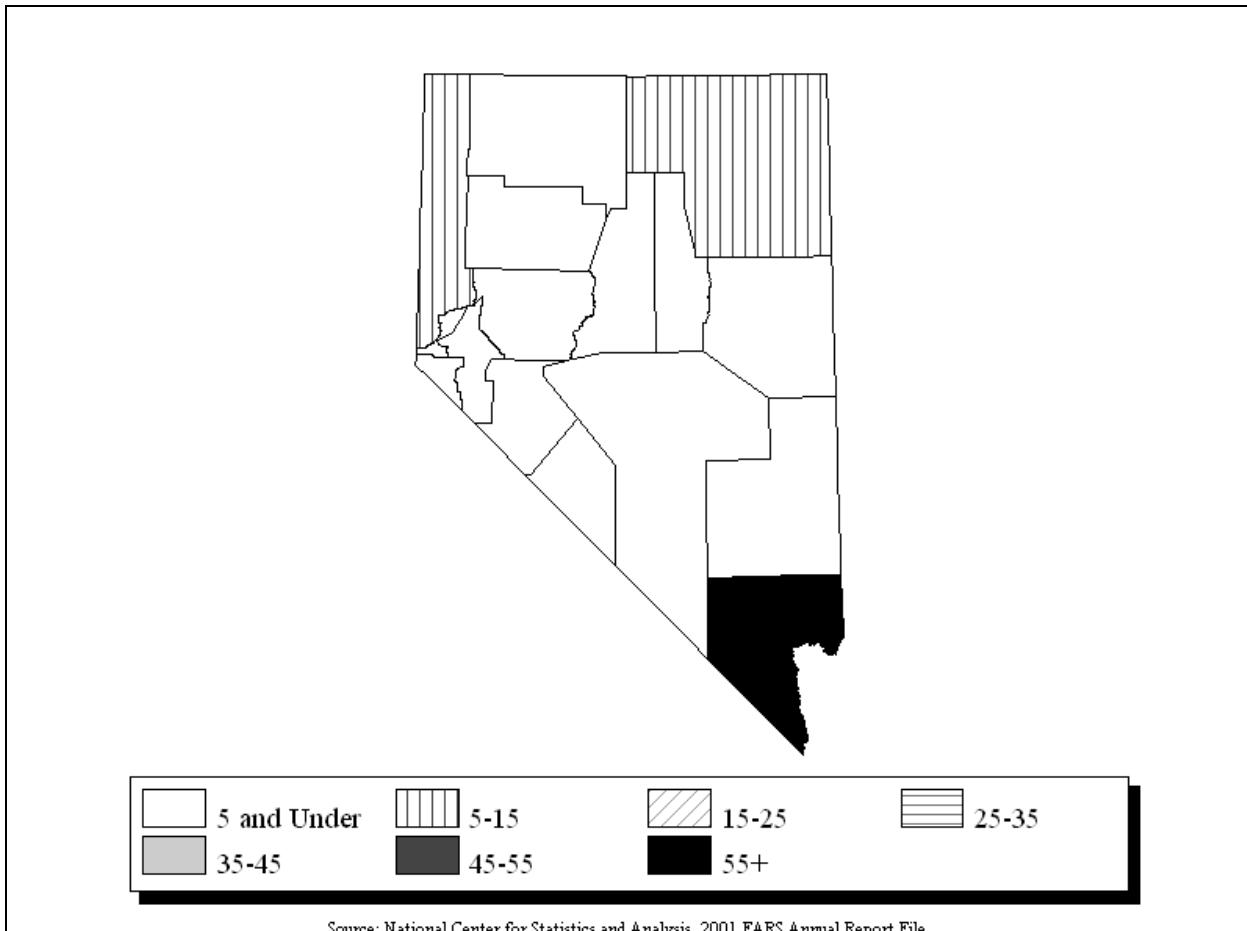
## NEVADA

Change in AR-Rates over time, Nevada vs. US		
Time Period	Nevada	US
<b>1982 to 2001</b>	-76%	-62%
Last 10 years	-54%	-32%
Last 5 years	-31%	-11%
Last 3 Years	-28%	0%
Last 1 Year	-8%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	173	111	64	2.48	1.59
<b>1983</b>	191	103	54	2.66	1.43
<b>1984</b>	192	109	57	2.63	1.49
<b>1985</b>	191	132	69	2.53	1.75
<b>1986</b>	172	139	81	2.17	1.76
<b>1987</b>	179	93	52	1.95	1.01
<b>1988</b>	166	84	51	1.73	0.88
<b>1989</b>	187	93	50	1.90	0.95
<b>1990</b>	158	77	48	1.61	0.78
<b>1991</b>	144	67	46	1.45	0.67
<b>1992</b>	122	40	32	1.21	0.40
<b>1993</b>	121	52	43	1.17	0.50
<b>1994</b>	119	50	42	1.13	0.48
<b>1995</b>	118	47	39	1.11	0.44
<b>1996</b>	134	47	35	1.22	0.43
<b>1997</b>	125	60	48	1.12	0.54
<b>1998</b>	128	63	49	1.11	0.54
<b>1999</b>	140	66	47	1.18	0.55
<b>2000</b>	126	49	39	1.05	0.41
<b>2001</b>	142	70	49	1.15	0.57

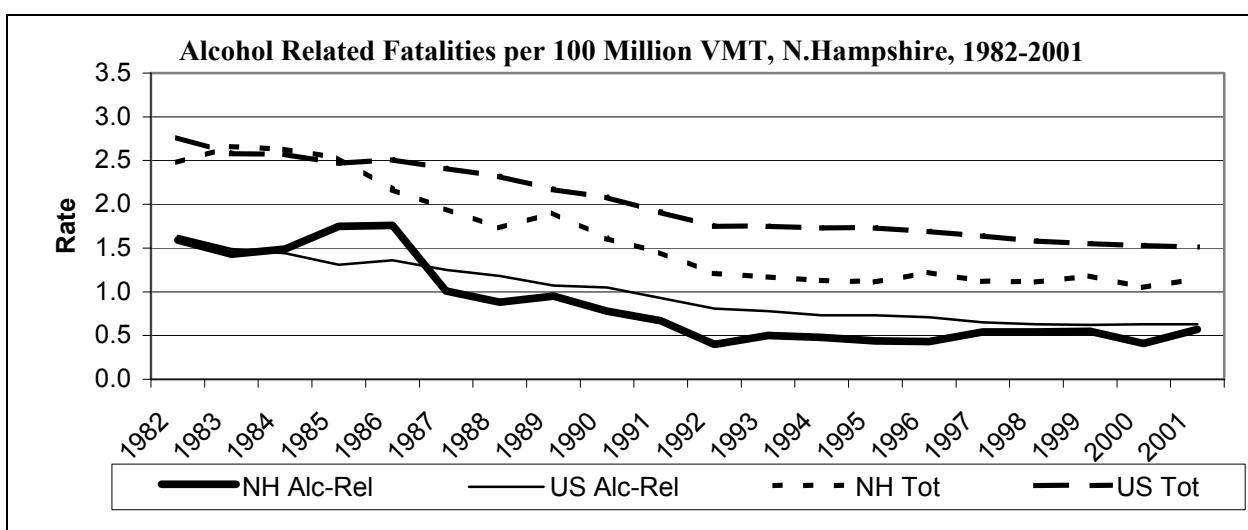
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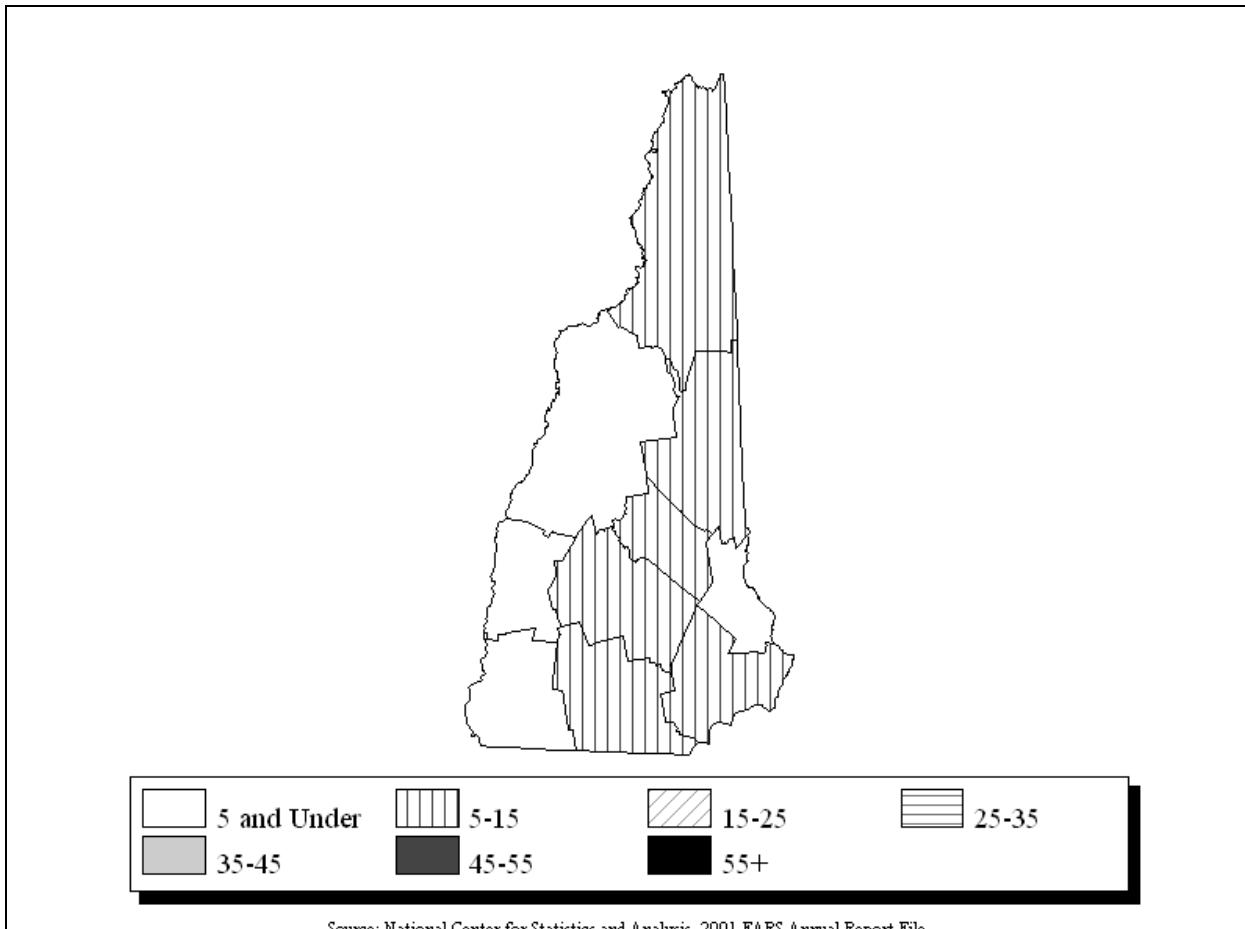
## NEW HAMPSHIRE

Change in AR-Rates over time, New Hampshire vs. US		
Time Period	N.Hampshire	US
<b>1982 to 2001</b>	-64%	-62%
Last 10 years	-15%	-32%
Last 5 years	33%	-11%
Last 3 Years	6%	0%
Last 1 Year	39%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/01/94)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,061	622	59	2.04	1.20
<b>1983</b>	932	494	53	1.78	0.95
<b>1984</b>	922	451	49	1.76	0.86
<b>1985</b>	964	479	50	1.83	0.91
<b>1986</b>	1,039	490	47	1.87	0.88
<b>1987</b>	1,023	435	43	1.79	0.76
<b>1988</b>	1,051	457	43	1.79	0.78
<b>1989</b>	891	384	43	1.49	0.64
<b>1990</b>	886	366	41	1.50	0.62
<b>1991</b>	783	320	41	1.32	0.54
<b>1992</b>	763	280	37	1.28	0.47
<b>1993</b>	789	290	37	1.32	0.49
<b>1994</b>	761	289	38	1.26	0.48
<b>1995</b>	774	277	36	1.27	0.45
<b>1996</b>	814	283	35	1.31	0.45
<b>1997</b>	775	278	36	1.22	0.44
<b>1998</b>	741	267	36	1.15	0.41
<b>1999</b>	726	283	39	1.11	0.43
<b>2000</b>	731	322	44	1.08	0.48
<b>2001</b>	747	297	40	1.09	0.43

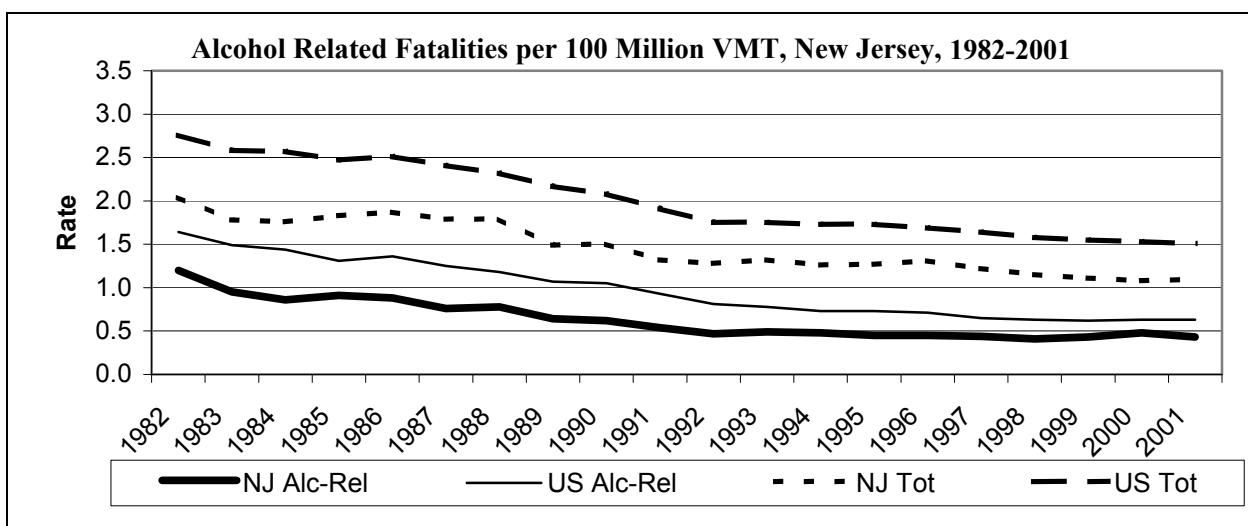
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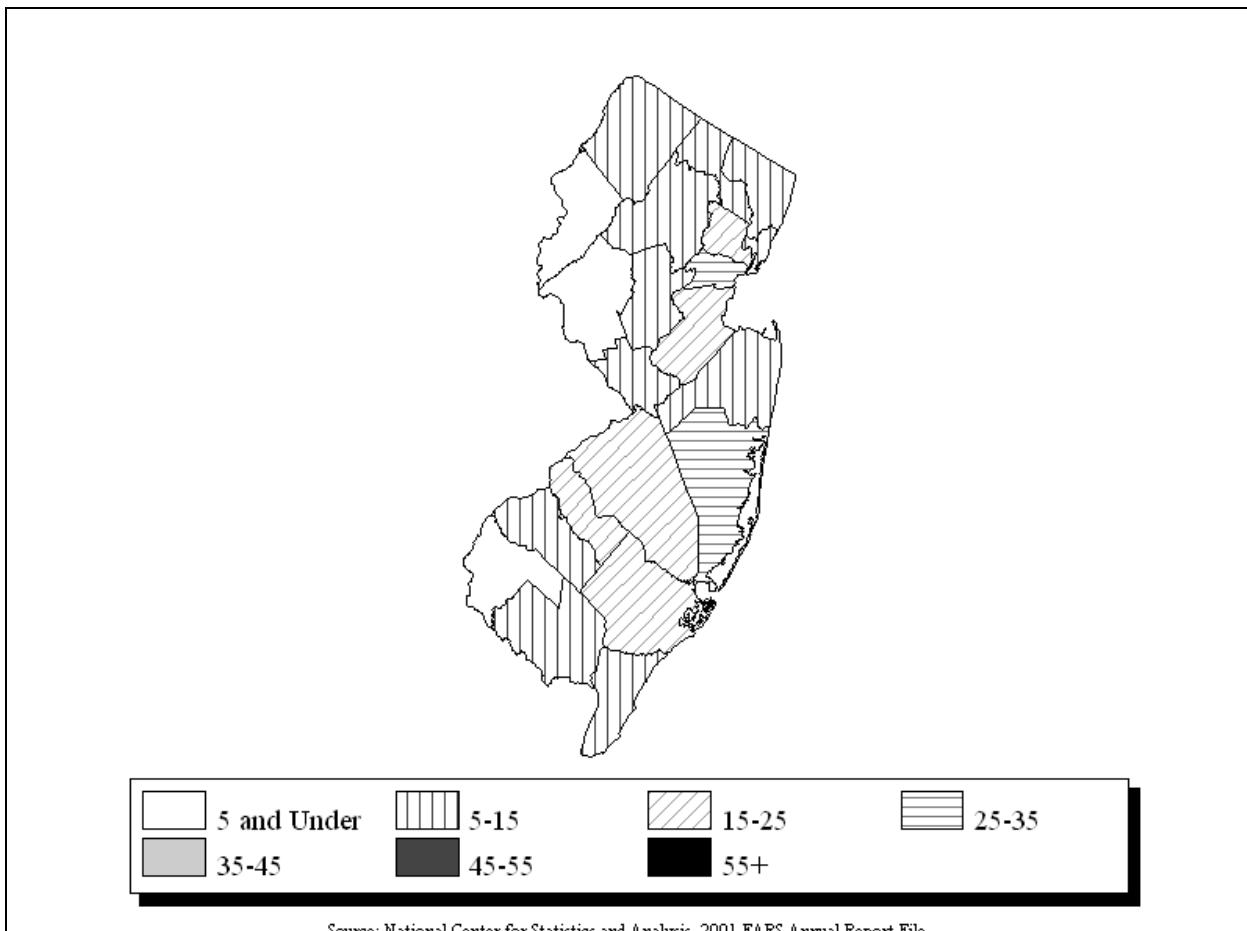
## NEW JERSEY

Change in AR-Rates over time, New Jersey vs. US		
Time Period	New Jersey	US
<b>1982 to 2001</b>	-64%	-62%
Last 10 years	-20%	-32%
Last 5 years	-4%	-11%
Last 3 Years	5%	0%
Last 1 Year	-10%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	None	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)	
Youthful (under 21) Offenders BAC Level	0.01	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	577	375	65	4.87	3.16
1983	531	350	66	4.55	3.00
1984	497	326	66	3.85	2.53
1985	535	320	60	4.03	2.41
1986	499	322	65	3.79	2.44
1987	568	373	66	3.76	2.47
1988	487	332	68	3.19	2.17
1989	538	321	60	3.40	2.03
1990	499	323	65	3.09	2.00
1991	469	270	58	2.80	1.61
1992	460	285	62	2.49	1.54
1993	431	254	59	2.28	1.34
1994	447	240	54	2.18	1.17
1995	485	240	49	2.29	1.13
1996	485	247	51	2.25	1.15
1997	484	224	46	2.21	1.02
1998	424	196	46	1.91	0.88
1999	460	206	45	2.06	0.92
2000	432	213	49	1.90	0.94
2001	463	214	46	1.99	0.92

Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

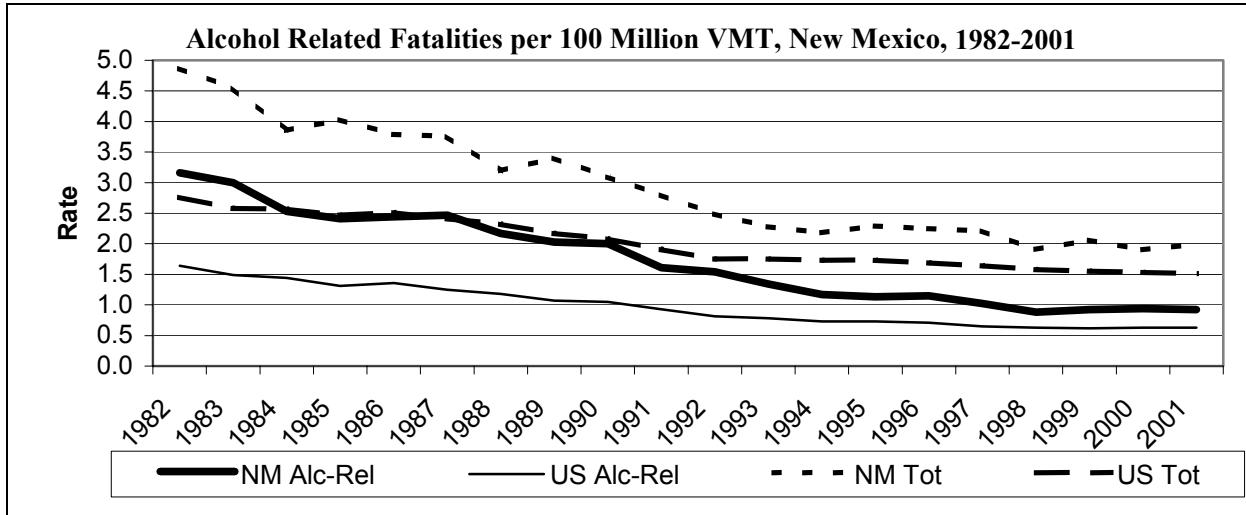
## NEW MEXICO

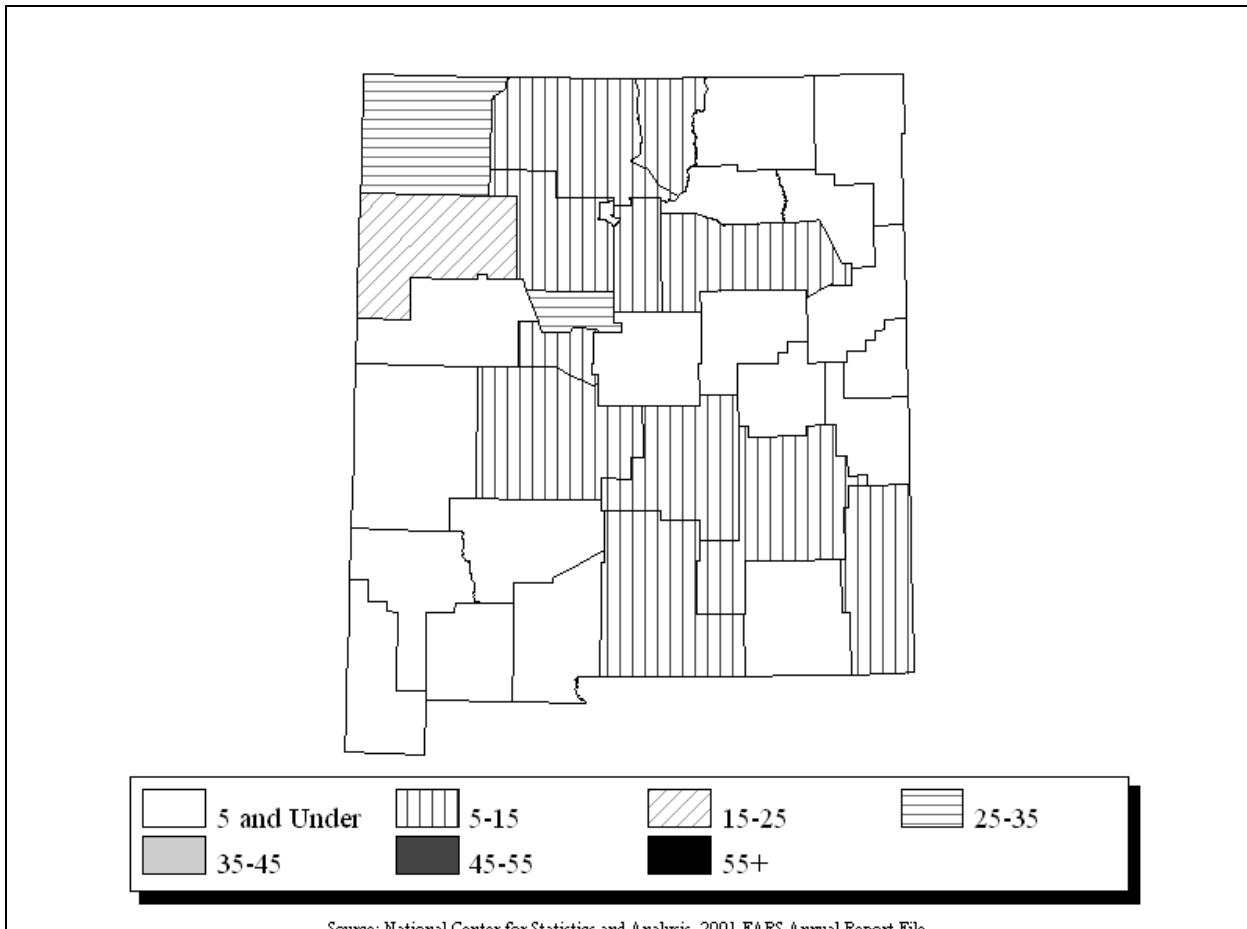
### Change in AR-Rates over time, New Mexico vs. US

Time Period	New Mexico	US
1982 to 2001	-71%	-62%
Last 10 years	-43%	-32%
Last 5 years	-20%	-11%
Last 3 Years	5%	0%
Last 1 Year	-2%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.08
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/01/94)</i>
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	2,162	1,131	52	2.69	1.41
<b>1983</b>	2,077	1,019	49	2.48	1.22
<b>1984</b>	2,060	1,023	50	2.36	1.17
<b>1985</b>	2,006	966	48	2.22	1.07
<b>1986</b>	2,121	979	46	2.24	1.03
<b>1987</b>	2,339	1,081	46	2.39	1.10
<b>1988</b>	2,256	946	42	2.18	0.91
<b>1989</b>	2,260	924	41	2.13	0.87
<b>1990</b>	2,217	952	43	2.07	0.89
<b>1991</b>	2,008	787	39	1.87	0.73
<b>1992</b>	1,815	676	37	1.65	0.62
<b>1993</b>	1,790	650	36	1.59	0.58
<b>1994</b>	1,678	560	33	1.49	0.50
<b>1995</b>	1,679	577	34	1.46	0.50
<b>1996</b>	1,593	557	35	1.34	0.47
<b>1997</b>	1,652	512	31	1.37	0.42
<b>1998</b>	1,514	451	30	1.23	0.37
<b>1999</b>	1,599	483	30	1.26	0.38
<b>2000</b>	1,460	476	33	1.13	0.37
<b>2001</b>	1,548	498	32	1.18	0.38

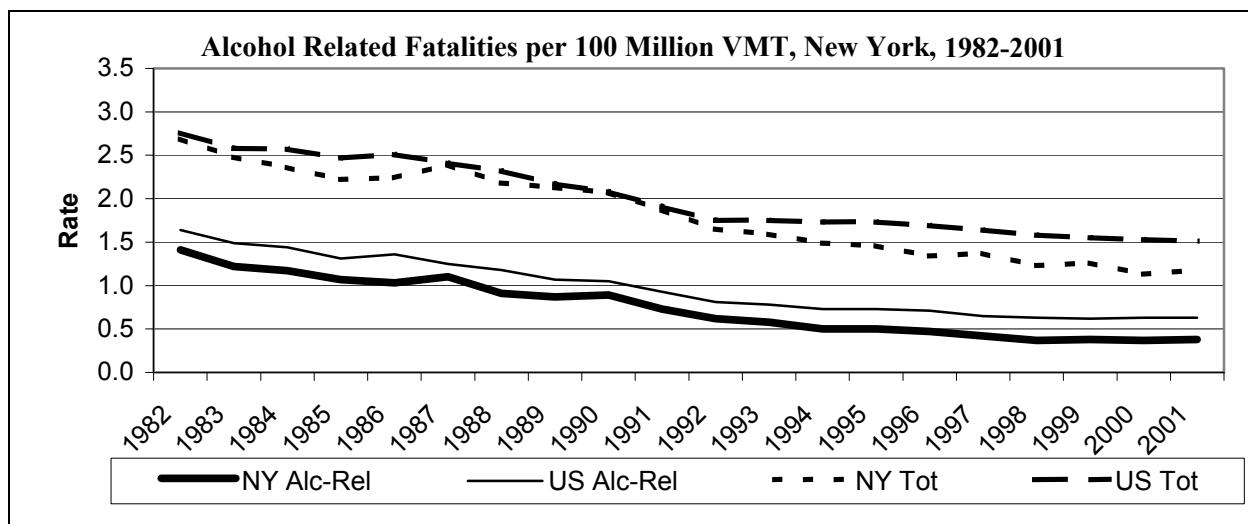
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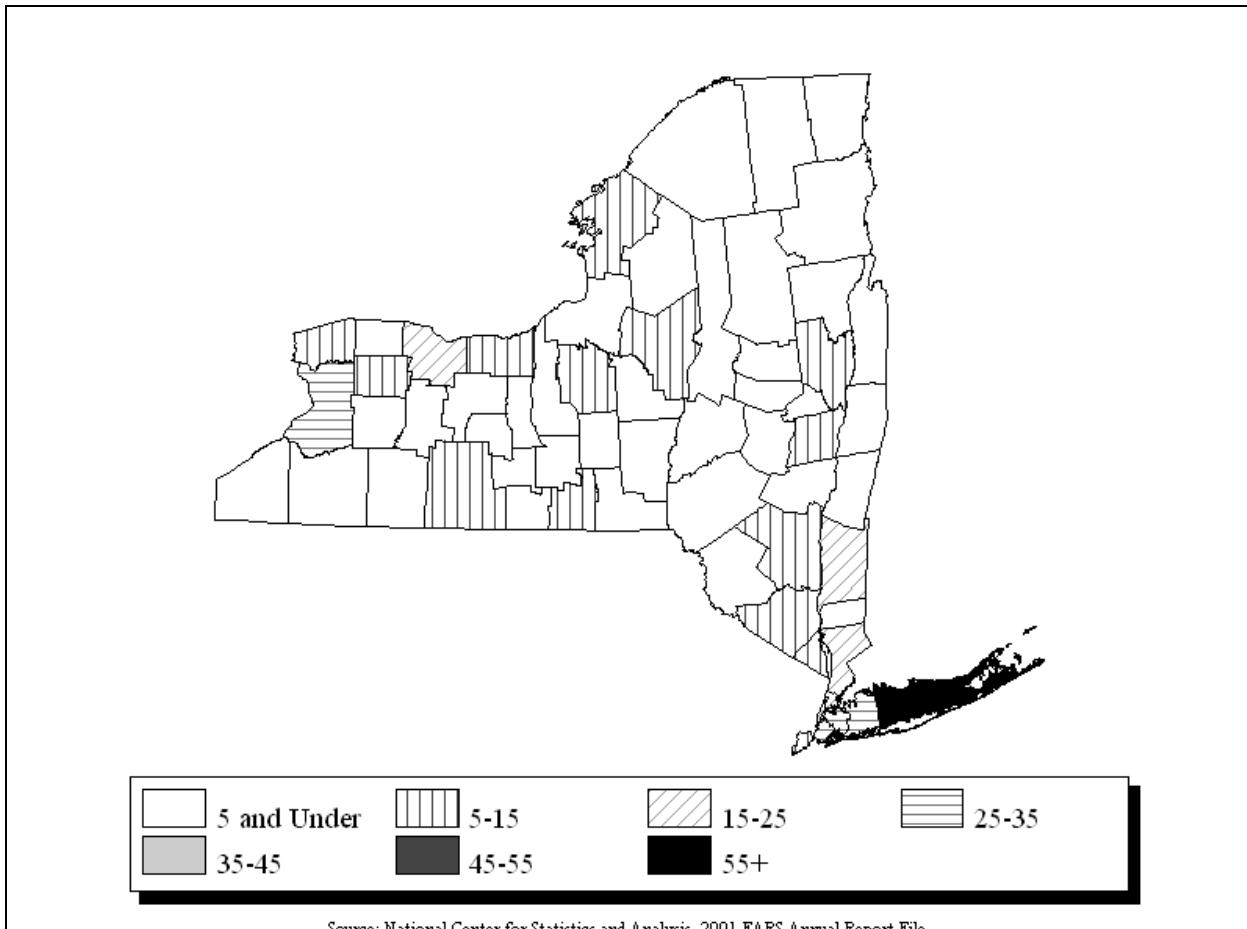
## NEW YORK

Change in AR-Rates over time, New York vs. US		
Time Period	New York	US
<b>1982 to 2001</b>	-73%	-62%
Last 10 years	-48%	-32%
Last 5 years	-19%	-11%
Last 3 Years	3%	0%
Last 1 Year	3%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	-
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,303	827	63	3.02	1.92
<b>1983</b>	1,234	672	54	2.74	1.49
<b>1984</b>	1,450	750	52	3.01	1.56
<b>1985</b>	1,482	686	46	2.97	1.37
<b>1986</b>	1,647	806	49	3.12	1.52
<b>1987</b>	1,584	764	48	2.90	1.40
<b>1988</b>	1,573	709	45	2.71	1.22
<b>1989</b>	1,471	621	42	2.40	1.01
<b>1990</b>	1,385	644	46	2.21	1.03
<b>1991</b>	1,369	600	44	2.11	0.92
<b>1992</b>	1,265	567	45	1.87	0.84
<b>1993</b>	1,389	529	38	2.00	0.76
<b>1994</b>	1,431	535	37	1.99	0.74
<b>1995</b>	1,448	501	35	1.90	0.66
<b>1996</b>	1,494	546	37	1.89	0.69
<b>1997</b>	1,483	545	37	1.81	0.67
<b>1998</b>	1,596	581	36	1.87	0.68
<b>1999</b>	1,505	573	38	1.71	0.65
<b>2000</b>	1,557	614	39	1.74	0.69
<b>2001</b>	1,530	533	35	1.67	0.58

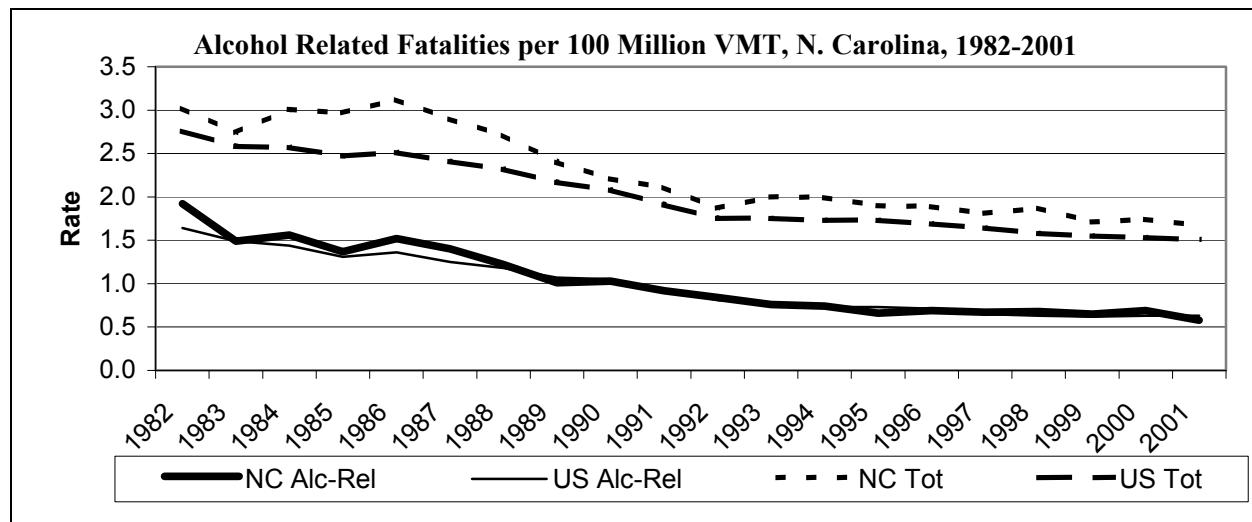
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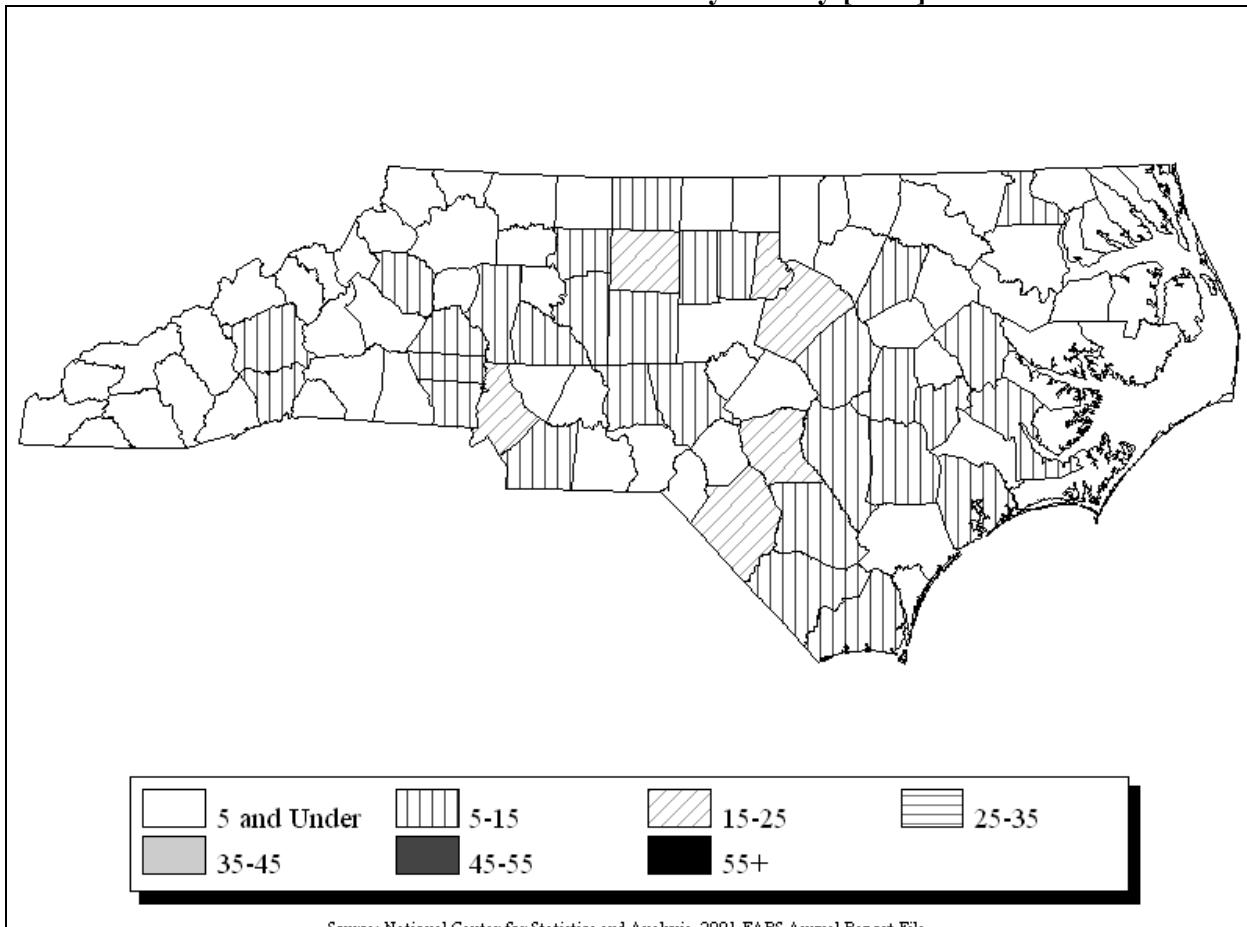
## NORTH CAROLINA

Change in AR-Rates over time, N. Carolina vs. US		
Time Period	N. Carolina	US
<b>1982 to 2001</b>	-70%	-62%
Last 10 years	-37%	-32%
Last 5 years	-16%	-11%
Last 3 Years	-15%	0%
Last 1 Year	-16%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(10/01/93)</i>	
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	148	97	66	2.82	1.85
1983	116	72	62	2.16	1.34
1984	100	51	51	1.86	0.95
1985	90	54	60	1.61	0.97
1986	100	46	46	1.78	0.82
1987	101	57	56	1.78	1.00
1988	104	55	53	1.80	0.95
1989	81	38	47	1.38	0.65
1990	112	62	55	1.90	1.05
1991	94	51	54	1.58	0.86
1992	88	39	44	1.45	0.64
1993	89	44	49	1.45	0.71
1994	88	46	53	1.39	0.73
1995	74	43	58	1.13	0.66
1996	85	49	58	1.26	0.73
1997	105	54	51	1.47	0.76
1998	92	46	50	1.25	0.63
1999	119	58	49	1.64	0.80
2000	86	41	47	1.19	0.57
2001	105	53	50	1.45	0.73

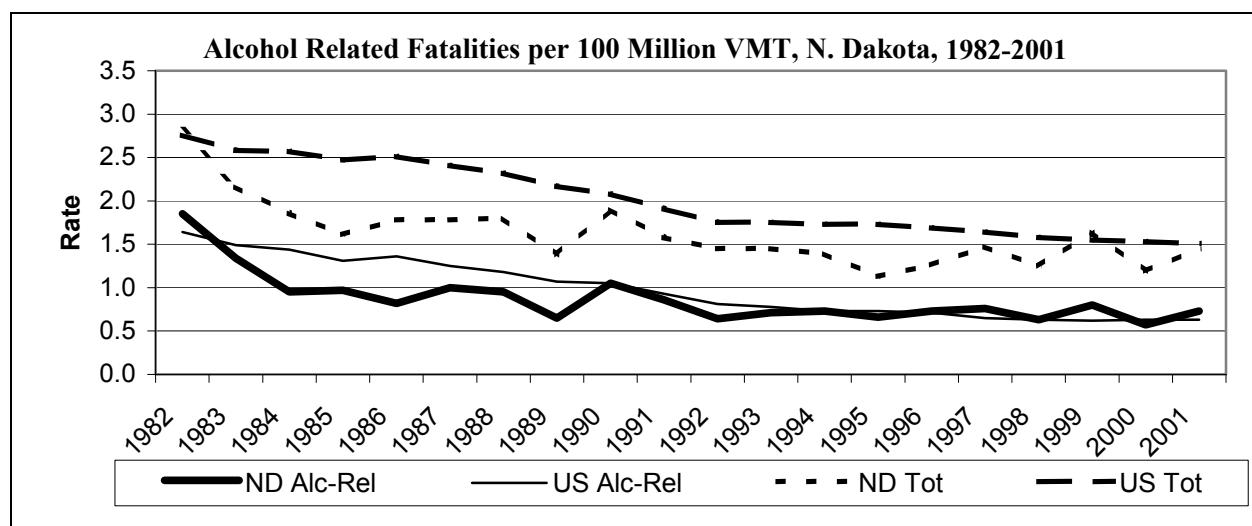
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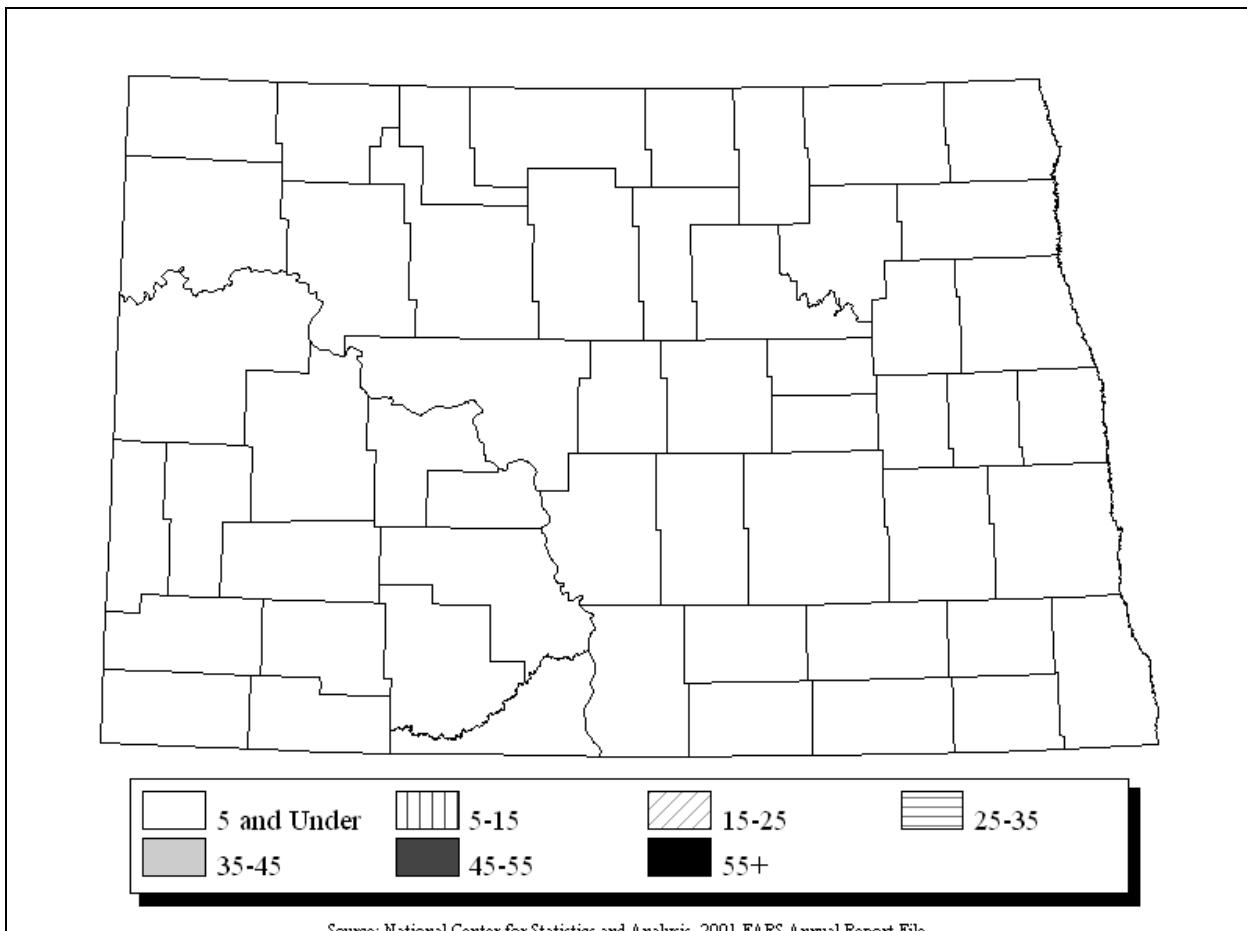
## NORTH DAKOTA

Change in AR-Rates over time, N. Dakota vs. US		
Time Period	N.Dakota	US
1982 to 2001	-61%	-62%
Last 10 years	-15%	-32%
Last 5 years	0%	-11%
Last 3 Years	16%	0%
Last 1 Year	28%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	1,607	966	60	2.24	1.35
1983	1,582	919	58	2.16	1.26
1984	1,646	957	58	2.20	1.28
1985	1,646	927	56	2.18	1.23
1986	1,673	978	58	2.17	1.27
1987	1,772	1,007	57	2.24	1.27
1988	1,748	946	54	2.13	1.15
1989	1,772	834	47	2.10	0.99
1990	1,638	745	45	1.79	0.82
1991	1,636	730	45	1.76	0.78
1992	1,439	535	37	1.51	0.56
1993	1,478	577	39	1.54	0.60
1994	1,370	455	33	1.40	0.46
1995	1,360	486	36	1.35	0.48
1996	1,391	509	37	1.35	0.49
1997	1,441	528	37	1.39	0.51
1998	1,422	531	37	1.36	0.51
1999	1,430	535	37	1.36	0.51
2000	1,366	562	41	1.29	0.53
2001	1,378	604	44	1.29	0.57

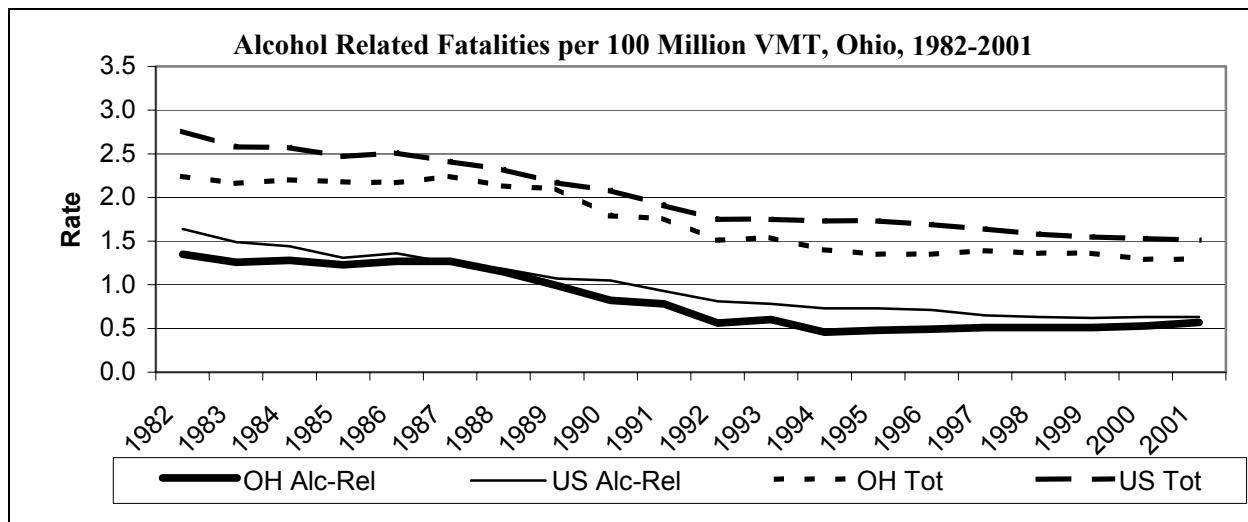
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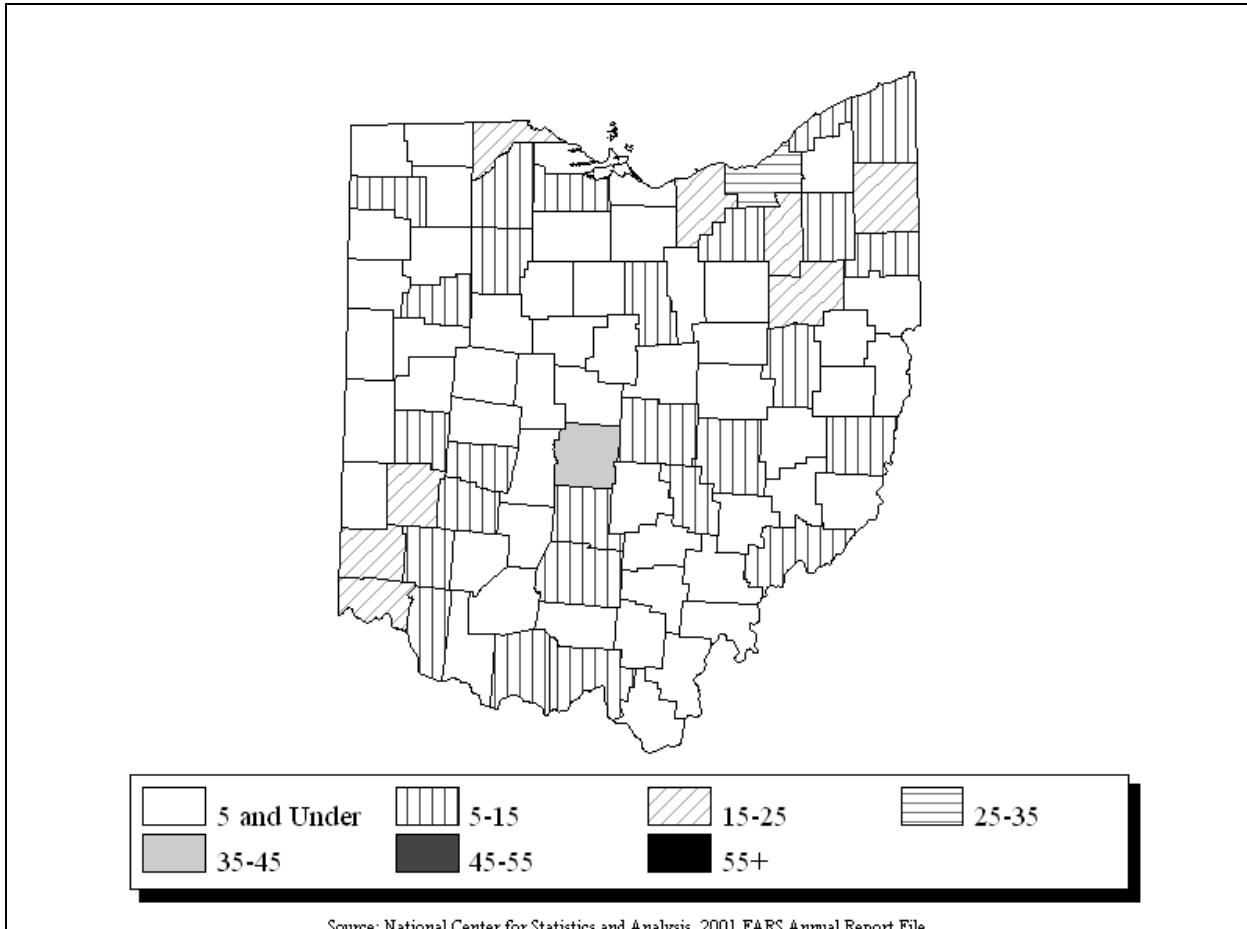
## OHIO

Change in AR-Rates over time, Ohio vs. US		
Time Period	Ohio	US
1982 to 2001	-58%	-62%
Last 10 years	-27%	-32%
Last 5 years	16%	-11%
Last 3 Years	12%	0%
Last 1 Year	8%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	1,054	608	58	3.51	2.03
<b>1983</b>	848	437	52	2.87	1.48
<b>1984</b>	797	382	48	2.57	1.23
<b>1985</b>	744	353	47	2.39	1.13
<b>1986</b>	698	340	49	2.26	1.10
<b>1987</b>	597	254	43	1.89	0.80
<b>1988</b>	638	298	47	1.97	0.92
<b>1989</b>	648	284	44	1.97	0.86
<b>1990</b>	641	284	44	1.93	0.86
<b>1991</b>	652	292	45	1.90	0.85
<b>1992</b>	613	273	45	1.75	0.78
<b>1993</b>	671	284	42	1.89	0.80
<b>1994</b>	687	281	41	1.93	0.79
<b>1995</b>	669	258	39	1.74	0.67
<b>1996</b>	772	295	38	1.96	0.75
<b>1997</b>	838	328	39	2.02	0.79
<b>1998</b>	755	268	35	1.80	0.64
<b>1999</b>	741	258	35	1.74	0.61
<b>2000</b>	650	229	35	1.50	0.53
<b>2001</b>	676	266	39	1.55	0.61

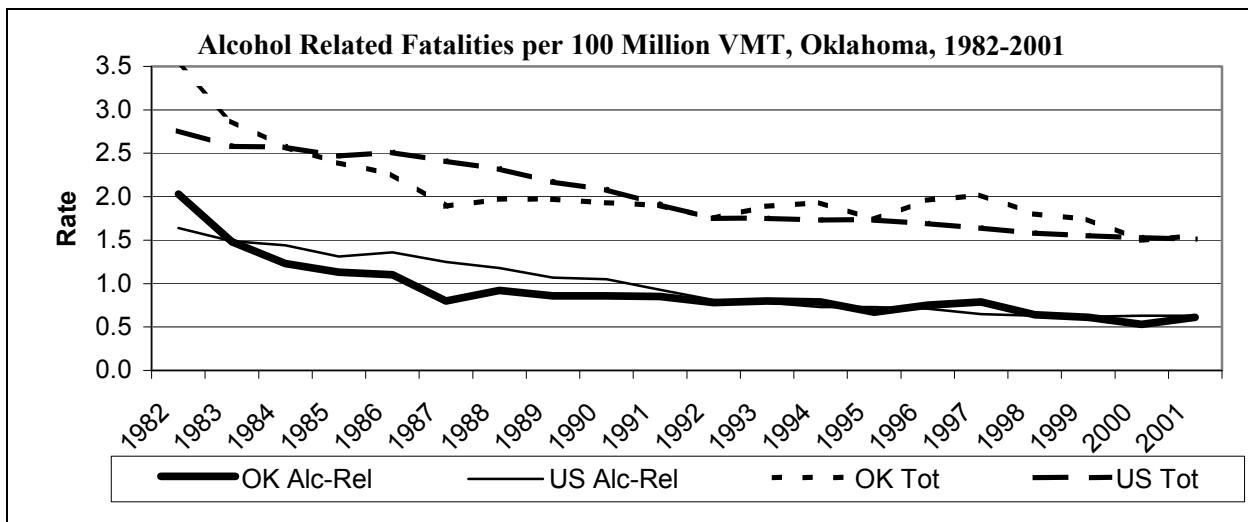
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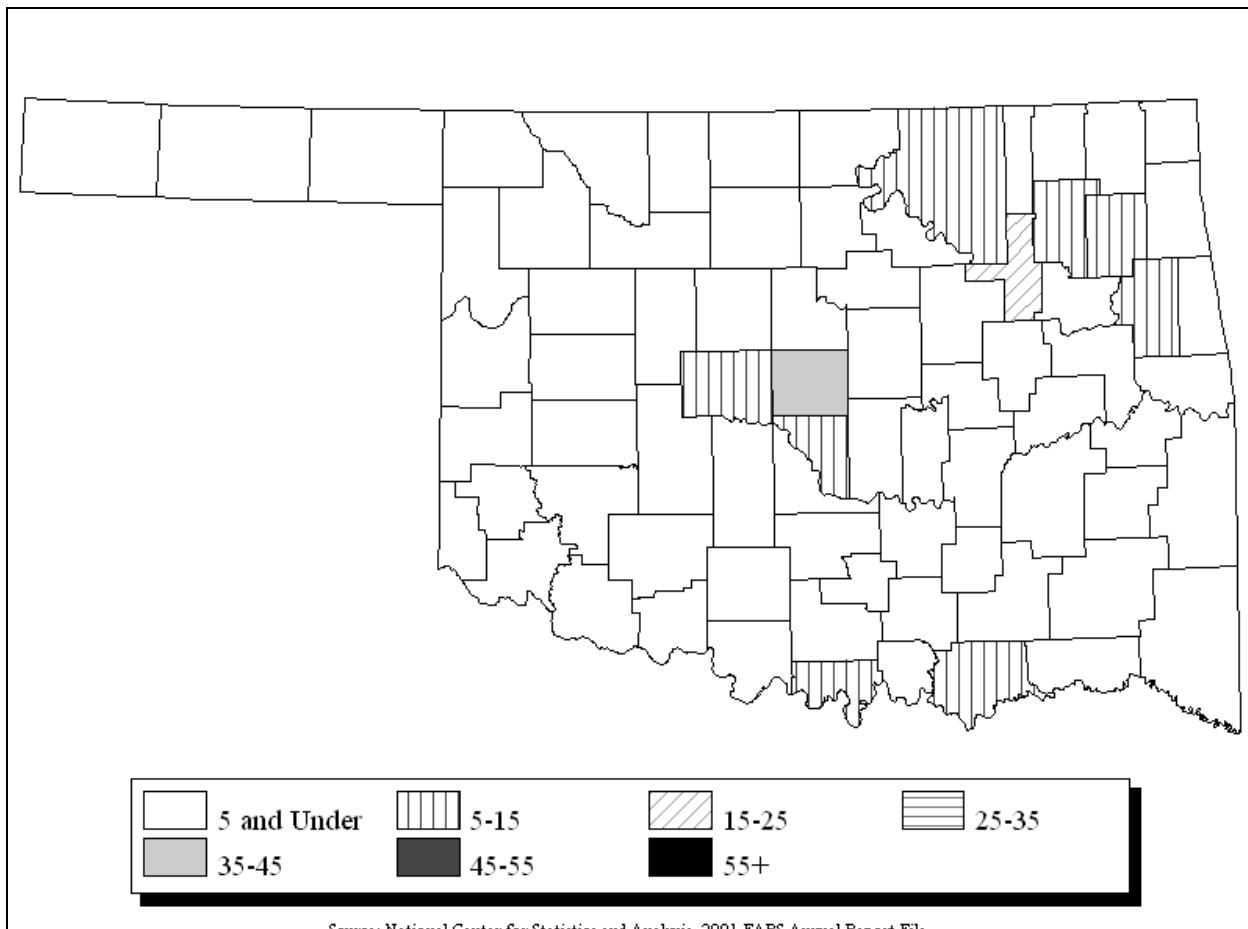
## OKLAHOMA

Change in AR-Rates over time, Oklahoma vs. US		
Time Period	Oklahoma	US
<b>1982 to 2001</b>	-70%	-62%
Last 10 years	-28%	-32%
Last 5 years	-19%	-11%
Last 3 Years	-5%	0%
Last 1 Year	15%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08	(07/01/01)
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	518	322	62	2.67	1.66
<b>1983</b>	550	325	59	2.75	1.63
<b>1984</b>	572	328	57	2.73	1.57
<b>1985</b>	559	308	55	2.61	1.44
<b>1986</b>	619	302	49	2.72	1.33
<b>1987</b>	619	286	46	2.65	1.23
<b>1988</b>	677	325	48	2.69	1.29
<b>1989</b>	626	284	45	2.42	1.10
<b>1990</b>	579	285	49	2.17	1.07
<b>1991</b>	482	235	49	1.87	0.91
<b>1992</b>	471	210	45	1.69	0.75
<b>1993</b>	523	220	42	1.76	0.74
<b>1994</b>	494	201	41	1.68	0.68
<b>1995</b>	574	240	42	1.91	0.80
<b>1996</b>	526	221	42	1.73	0.73
<b>1997</b>	524	231	44	1.62	0.72
<b>1998</b>	538	233	43	1.61	0.70
<b>1999</b>	414	172	42	1.19	0.50
<b>2000</b>	451	186	41	1.33	0.55
<b>2001</b>	488	190	39	1.42	0.55

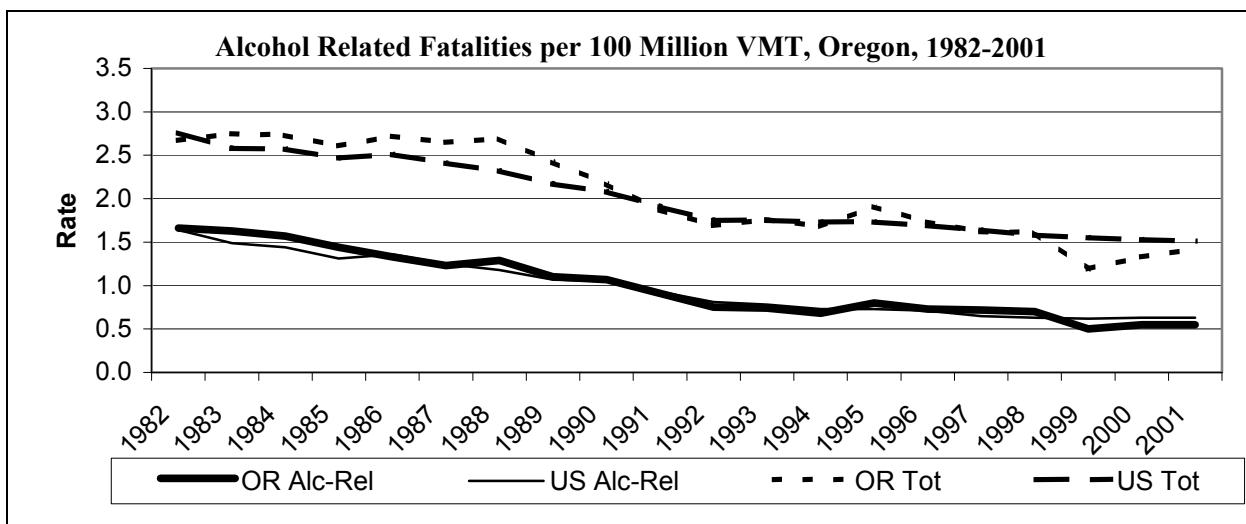
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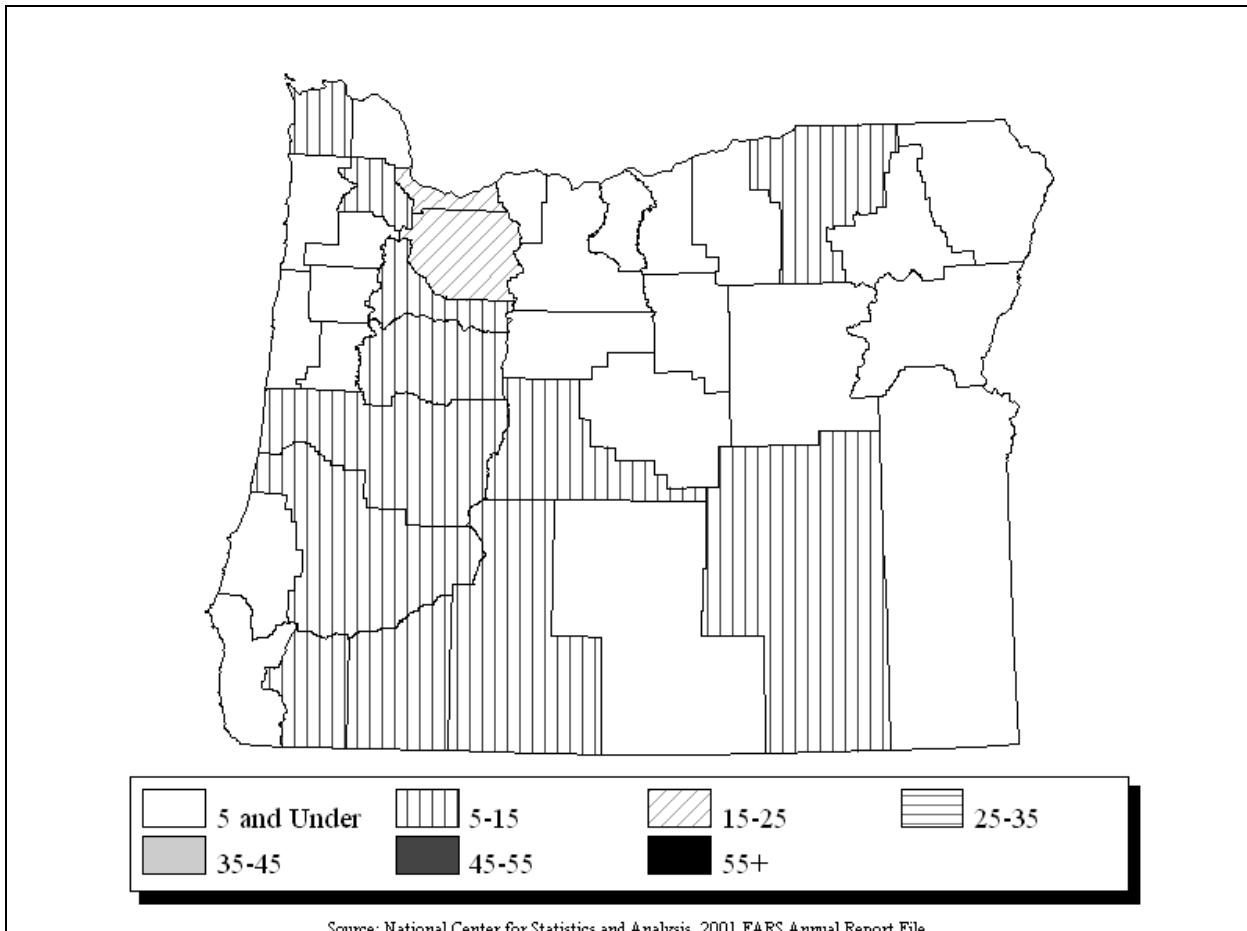
## OREGON

Change in AR-Rates over time, Oregon vs. US		
Time Period	Oregon	US
<b>1982 to 2001</b>	-67%	-62%
Last 10 years	-40%	-32%
Last 5 years	-25%	-11%
Last 3 Years	-21%	0%
Last 1 Year	0%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(10/15/83)</i>	
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	1,819	1,048	58	2.55	1.47
1983	1,721	980	57	2.38	1.36
1984	1,727	934	54	2.32	1.26
1985	1,771	961	54	2.35	1.27
1986	1,894	1,042	55	2.44	1.34
1987	1,987	1,042	52	2.53	1.33
1988	1,931	935	48	2.38	1.15
1989	1,877	981	52	2.27	1.18
1990	1,646	846	51	1.92	0.99
1991	1,661	807	49	1.90	0.92
1992	1,545	729	47	1.73	0.82
1993	1,529	700	46	1.69	0.77
1994	1,441	612	42	1.56	0.66
1995	1,480	619	42	1.57	0.65
1996	1,469	588	40	1.52	0.61
1997	1,557	626	40	1.59	0.64
1998	1,481	642	43	1.48	0.64
1999	1,549	618	40	1.52	0.61
2000	1,520	647	43	1.49	0.63
2001	1,530	663	43	1.49	0.64

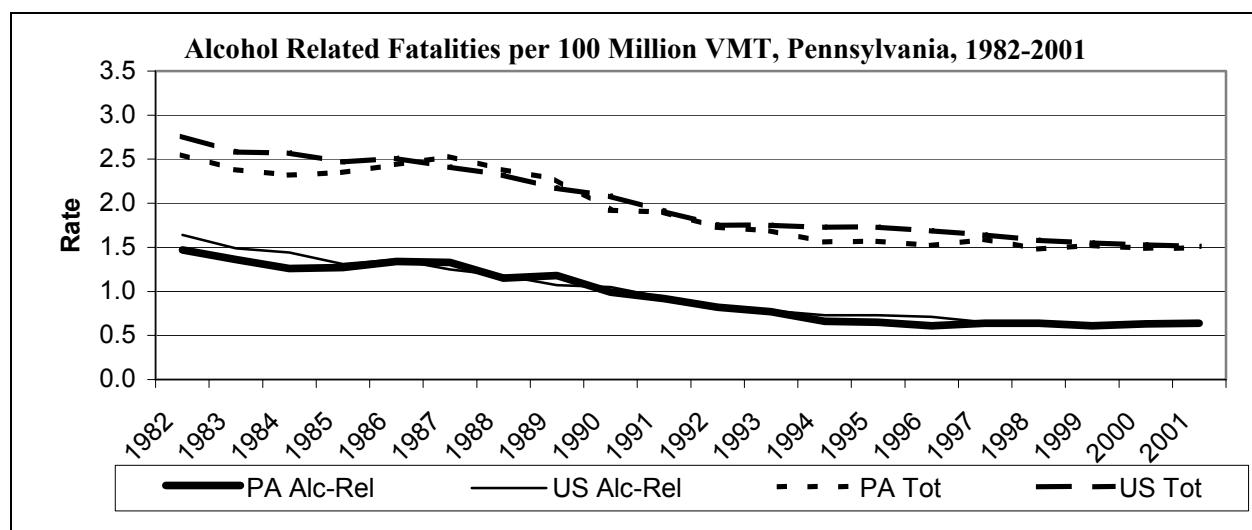
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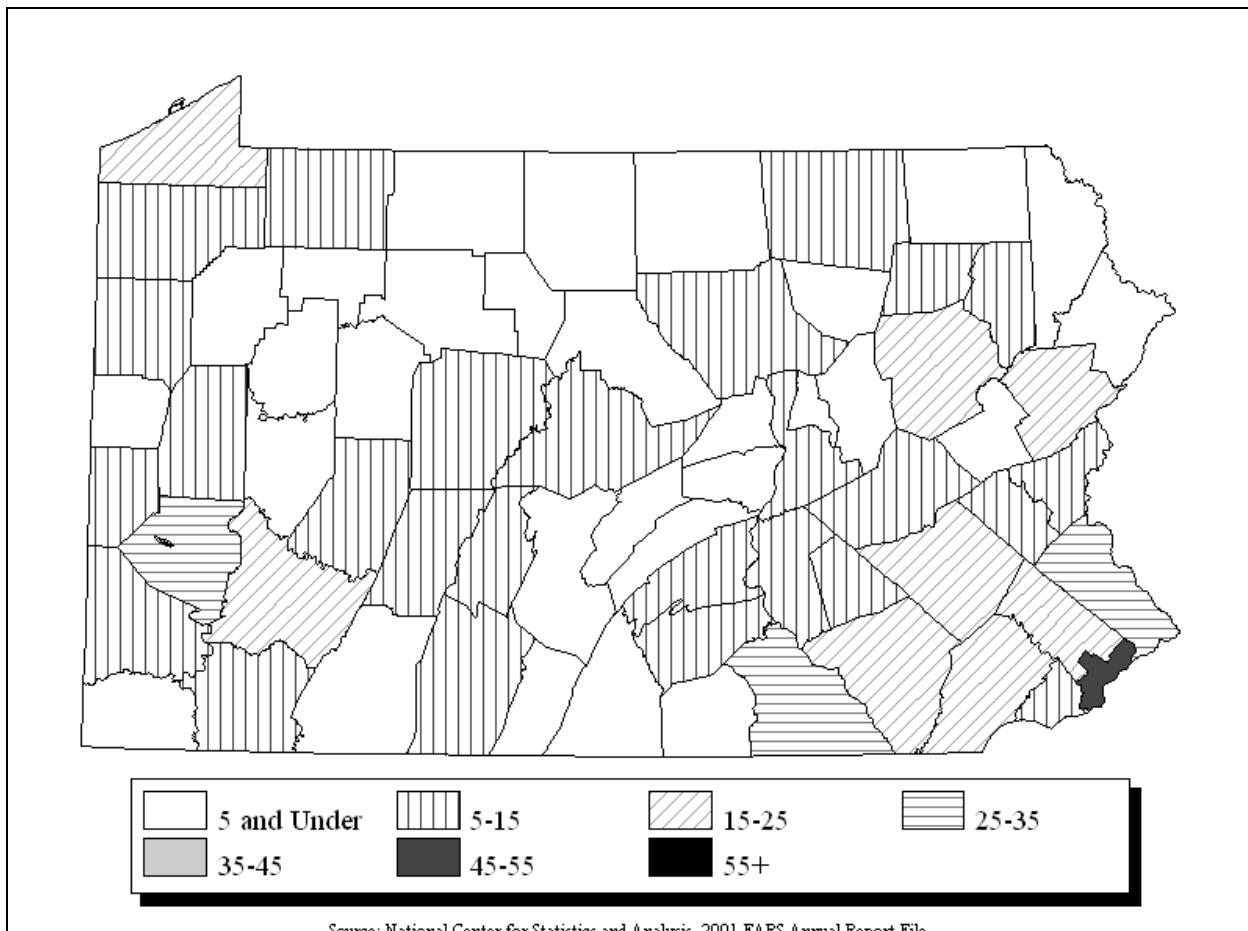
## PENNSYLVANIA

Change in AR-Rates over time, Pennsylvania vs. US		
Time Period	Pennsylvania	US
1982 to 2001	-56%	-62%
Last 10 years	-30%	-32%
Last 5 years	5%	-11%
Last 3 Years	0%	0%
Last 1 Year	2%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level		None
Illegal Per Se BAC Level <i>(Effective Date)</i>		0.10 (-)
Youthful (under 21) Offenders BAC Level		0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	105	71	67	1.78	1.20
1983	100	60	60	1.84	1.10
1984	79	52	66	1.45	0.95
1985	109	57	52	1.87	0.98
1986	124	79	64	2.28	1.46
1987	113	56	49	1.88	0.93
1988	125	69	55	2.14	1.18
1989	100	49	49	1.48	0.73
1990	84	51	61	1.14	0.69
1991	88	45	51	1.23	0.63
1992	79	43	54	1.05	0.57
1993	74	40	54	1.02	0.55
1994	63	31	49	0.89	0.44
1995	69	28	41	1.00	0.41
1996	69	33	48	0.97	0.46
1997	75	41	55	1.06	0.58
1998	74	36	49	0.93	0.45
1999	88	36	41	1.06	0.43
2000	80	41	52	0.96	0.49
2001	81	49	60	1.01	0.61

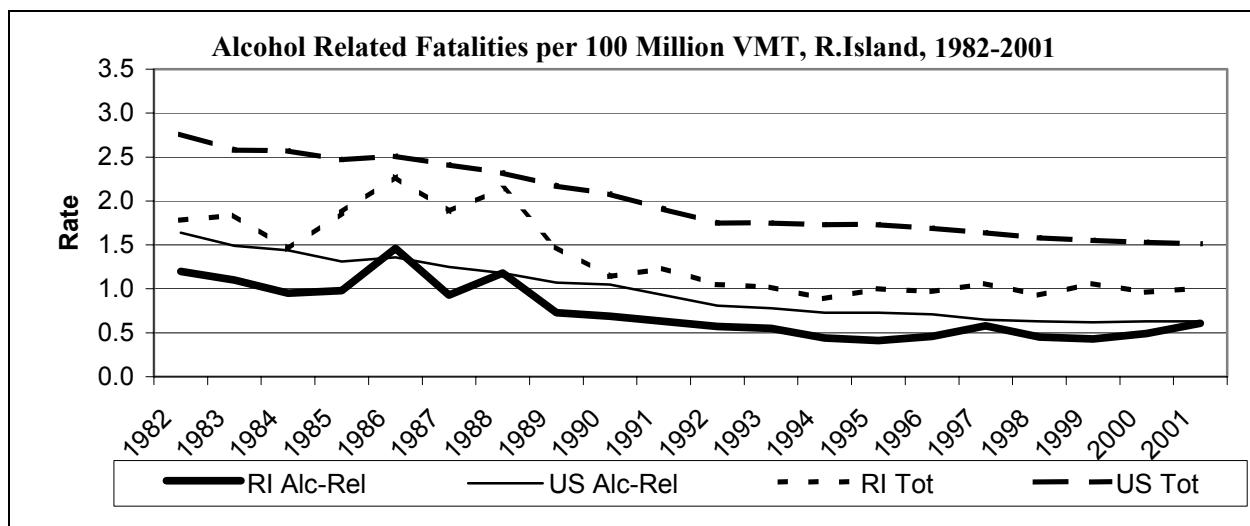
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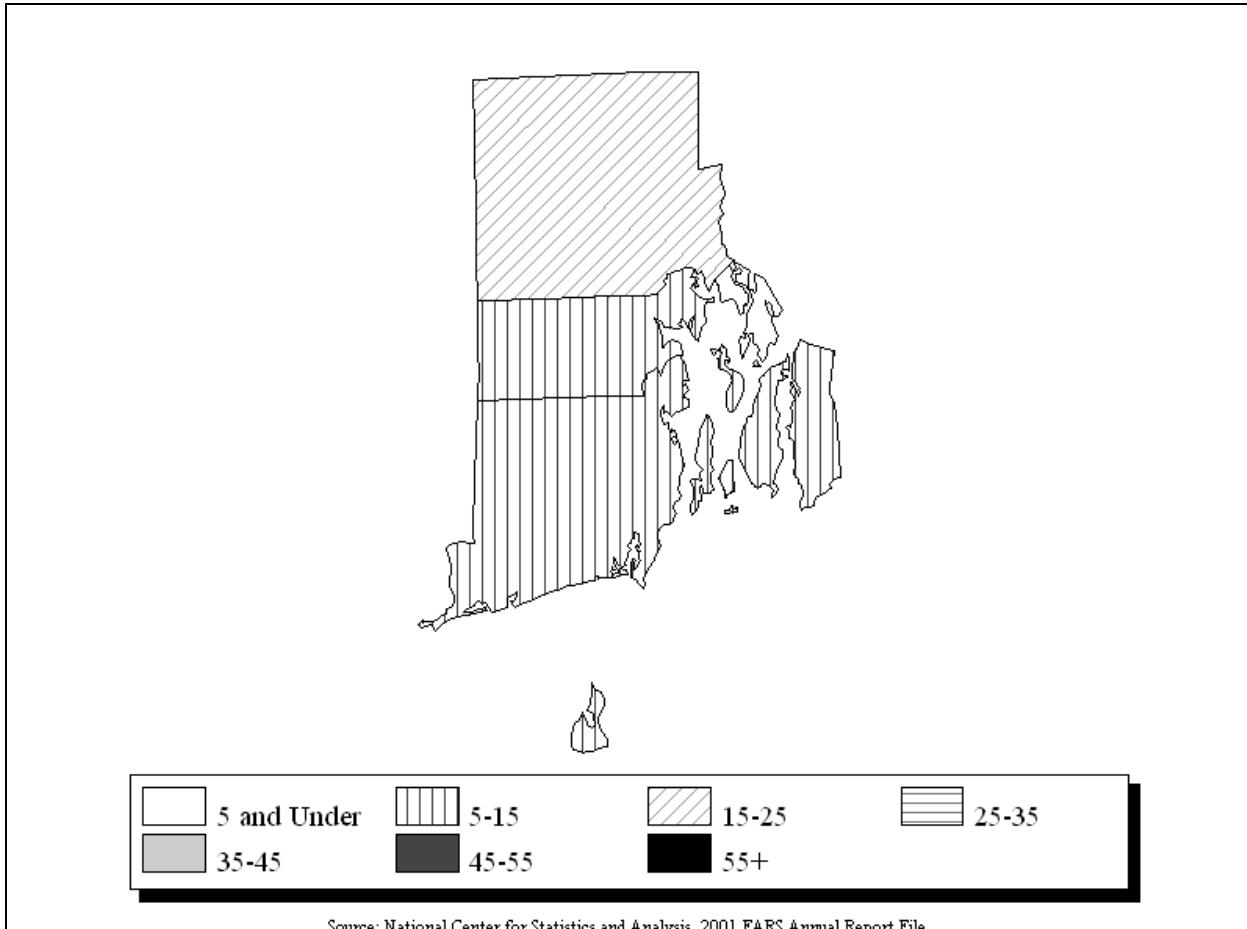
## RHODE ISLAND

Change in AR-Rates over time, Rhode Island vs. US		
Time Period	Rhode Island	US
1982 to 2001	-49%	-62%
Last 10 years	-3%	-32%
Last 5 years	33%	-11%
Last 3 Years	36%	0%
Last 1 Year	24%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level		None
Illegal Per Se BAC Level <i>(Effective Date)</i>		0.08 <i>(07/13/00)</i>
Youthful (under 21) Offenders BAC Level		0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	730	441	60	3.01	1.82
<b>1983</b>	844	509	60	3.38	2.04
<b>1984</b>	916	503	55	3.53	1.94
<b>1985</b>	951	534	56	3.56	2.00
<b>1986</b>	1,059	636	60	3.75	2.25
<b>1987</b>	1,086	577	53	3.59	1.91
<b>1988</b>	1,031	523	51	3.25	1.65
<b>1989</b>	996	473	47	3.04	1.44
<b>1990</b>	979	494	50	2.85	1.44
<b>1991</b>	890	420	47	2.58	1.22
<b>1992</b>	807	352	44	2.30	1.00
<b>1993</b>	846	305	36	2.34	0.84
<b>1994</b>	847	269	32	2.27	0.72
<b>1995</b>	881	346	39	2.28	0.89
<b>1996</b>	930	428	46	2.34	1.08
<b>1997</b>	903	362	40	2.18	0.88
<b>1998</b>	1,002	372	37	2.34	0.87
<b>1999</b>	1,065	391	37	2.41	0.89
<b>2000</b>	1,065	480	45	2.34	1.05
<b>2001</b>	1,059	592	56	2.27	1.27

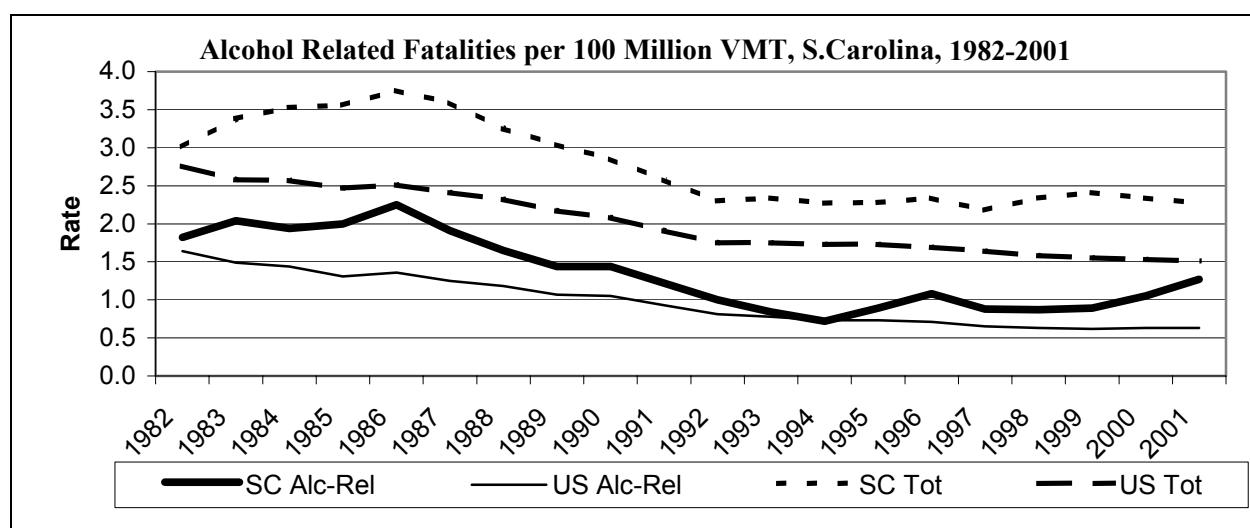
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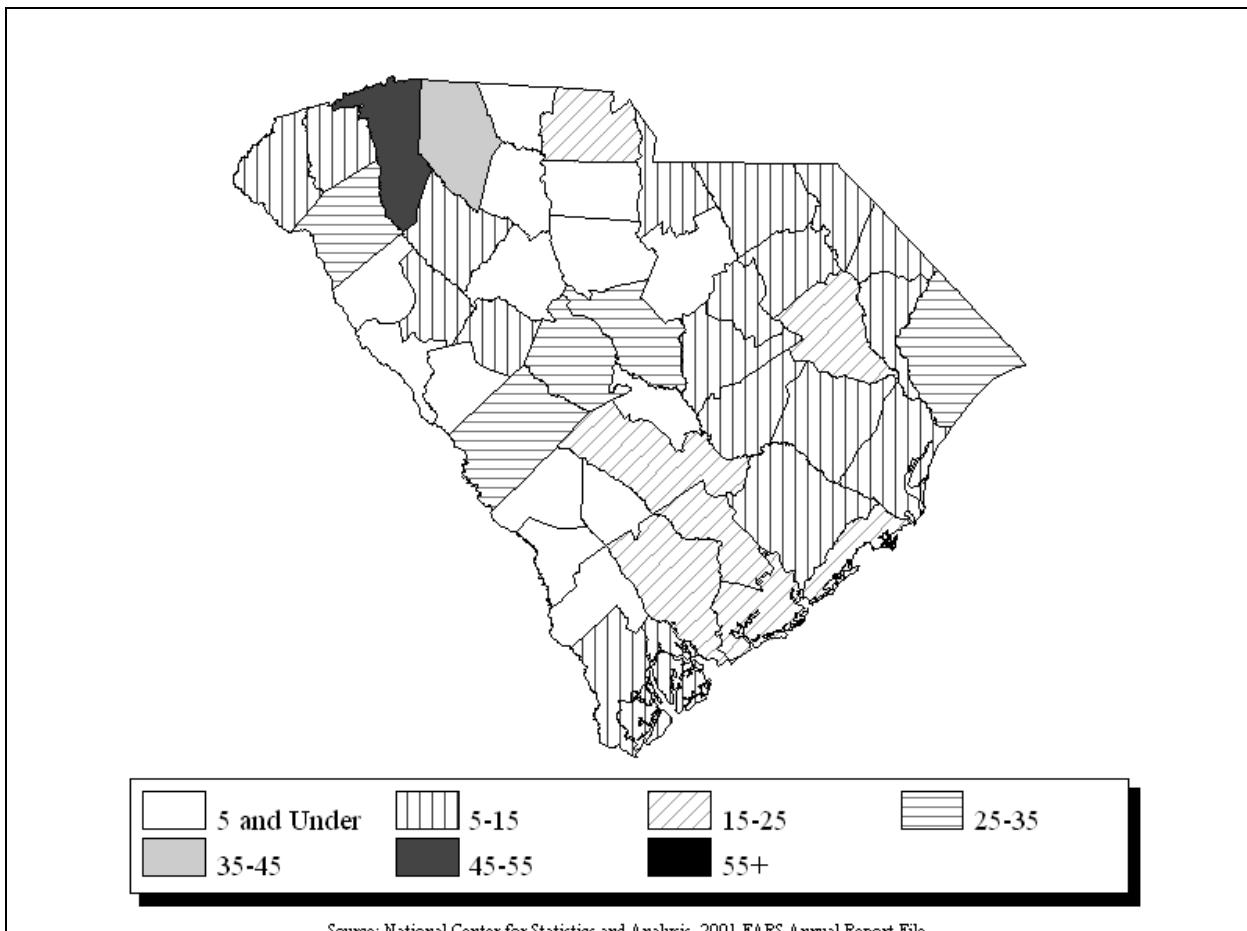
## SOUTH CAROLINA

Change in AR-Rates over time, South Carolina vs. US		
Time Period	S.Carolina	US
<b>1982 to 2001</b>	-30%	-62%
Last 10 years	4%	-32%
Last 5 years	18%	-11%
Last 3 Years	46%	0%
Last 1 Year	21%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.15	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10 (-)	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	148	90	61	2.33	1.41
<b>1983</b>	175	98	56	2.77	1.55
<b>1984</b>	143	86	60	2.23	1.34
<b>1985</b>	130	73	56	2.07	1.16
<b>1986</b>	134	74	55	2.15	1.19
<b>1987</b>	134	68	51	2.09	1.06
<b>1988</b>	147	73	50	2.22	1.10
<b>1989</b>	152	84	55	2.27	1.25
<b>1990</b>	153	81	53	2.19	1.16
<b>1991</b>	143	64	45	2.13	0.95
<b>1992</b>	161	78	48	2.23	1.08
<b>1993</b>	140	61	43	1.89	0.82
<b>1994</b>	154	76	49	2.02	1.00
<b>1995</b>	158	72	45	2.06	0.94
<b>1996</b>	175	72	41	2.24	0.92
<b>1997</b>	148	62	42	1.86	0.78
<b>1998</b>	165	68	41	2.04	0.84
<b>1999</b>	150	66	44	1.82	0.80
<b>2000</b>	173	83	48	2.05	0.98
<b>2001</b>	171	84	49	2.00	0.98

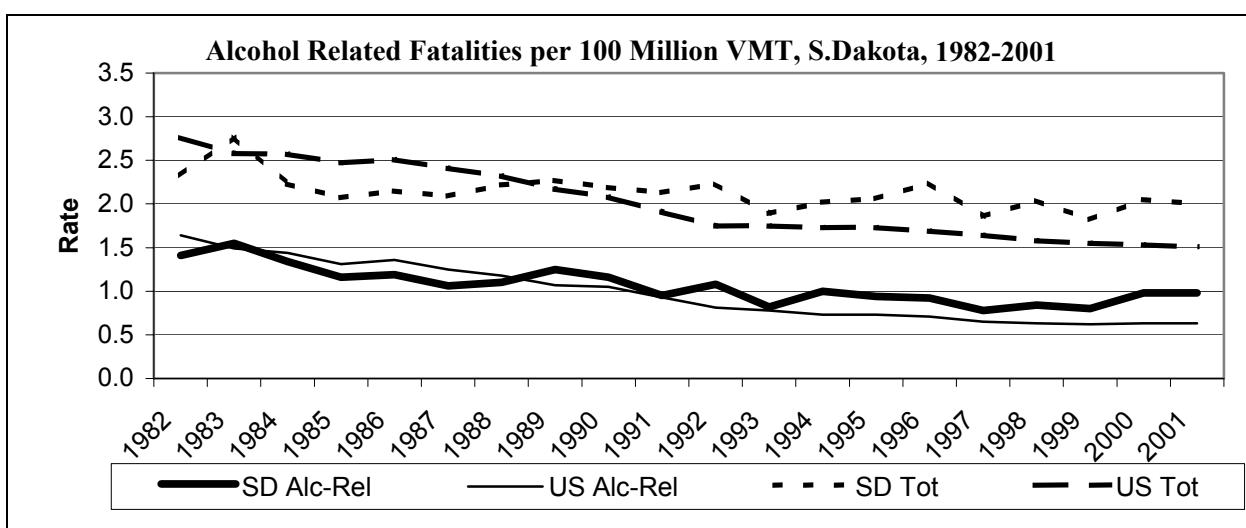
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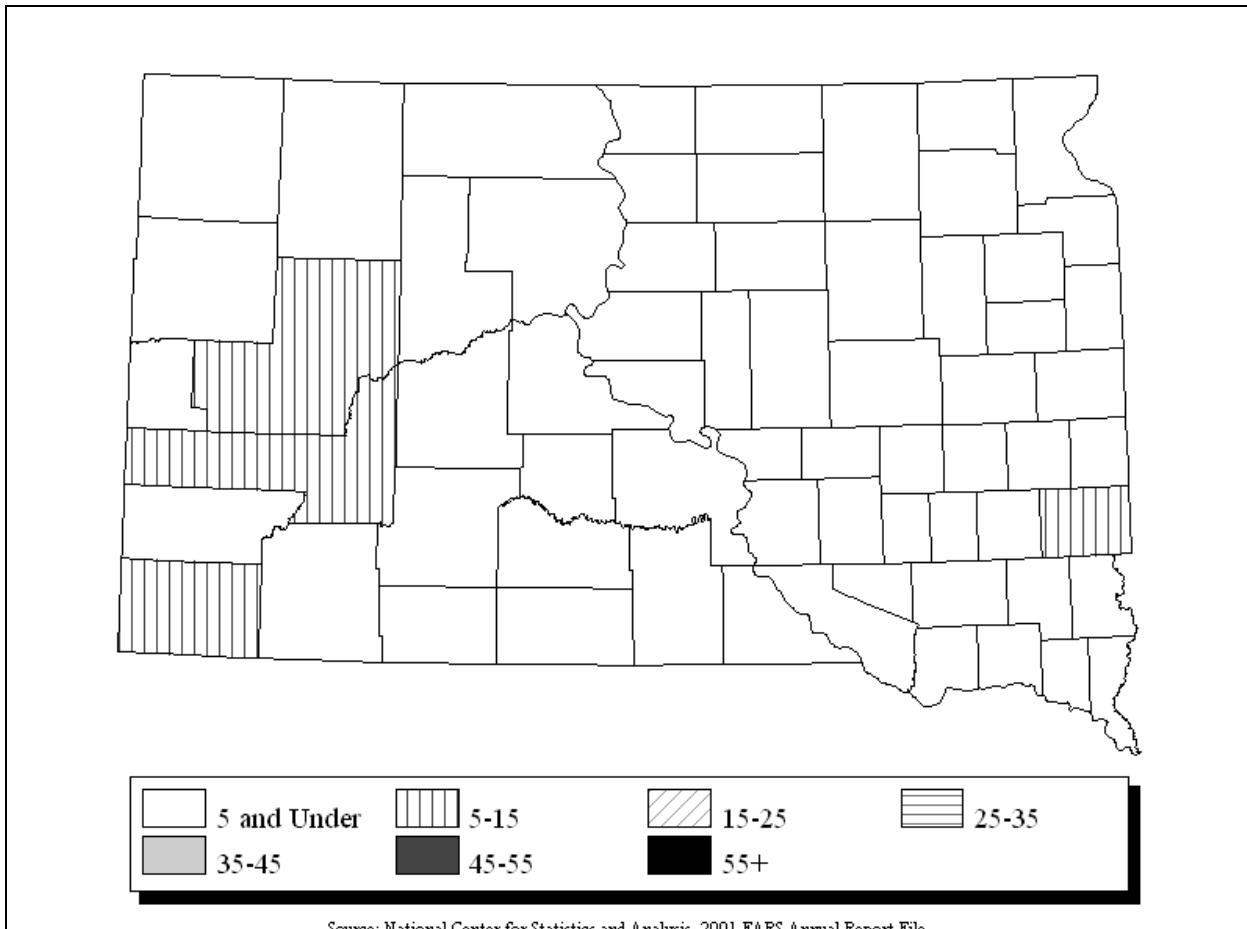
## SOUTH DAKOTA

Change in AR-Rates over time, South Dakota vs. US		
Time Period	S.Dakota	US
<b>1982 to 2001</b>	-30%	-62%
Last 10 years	3%	-32%
Last 5 years	7%	-11%
Last 3 Years	17%	0%
Last 1 Year	0%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	None	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/02)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	1,055	668	63	3.03	1.92
1983	1,037	643	62	2.86	1.77
1984	1,095	640	58	3.00	1.75
1985	1,101	603	55	3.03	1.66
1986	1,230	686	56	3.11	1.74
1987	1,247	621	50	2.96	1.47
1988	1,266	673	53	2.86	1.52
1989	1,088	559	51	2.38	1.22
1990	1,177	601	51	2.52	1.29
1991	1,113	601	54	2.35	1.27
1992	1,153	562	49	2.31	1.12
1993	1,170	538	46	2.25	1.03
1994	1,214	503	41	2.23	0.92
1995	1,259	533	42	2.24	0.95
1996	1,239	523	42	2.12	0.90
1997	1,225	510	42	2.02	0.84
1998	1,216	513	42	1.94	0.82
1999	1,302	515	40	2.01	0.80
2000	1,307	542	41	1.99	0.82
2001	1,251	537	43	1.85	0.79

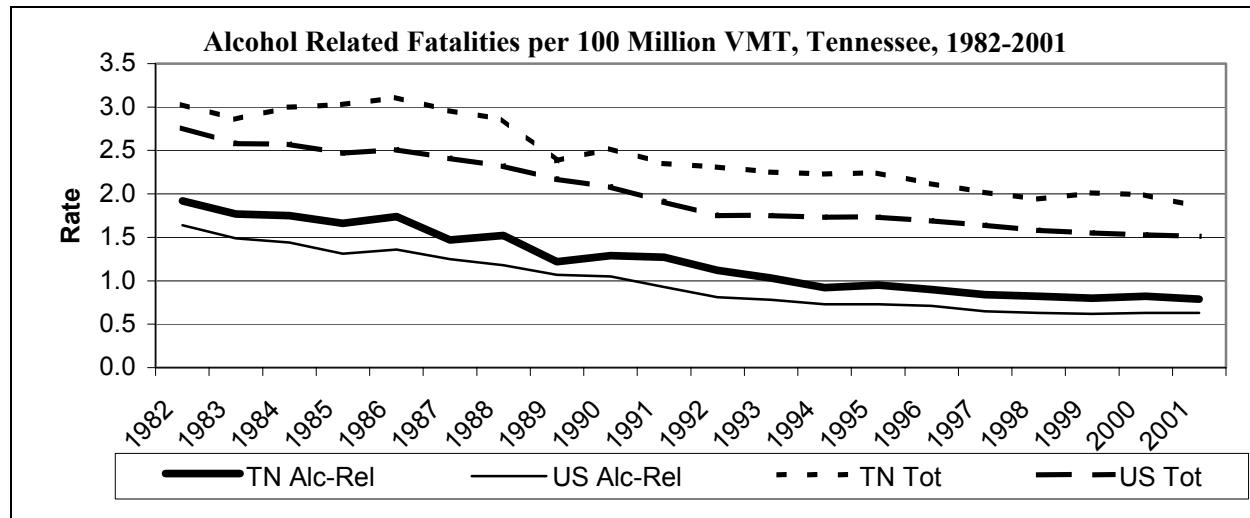
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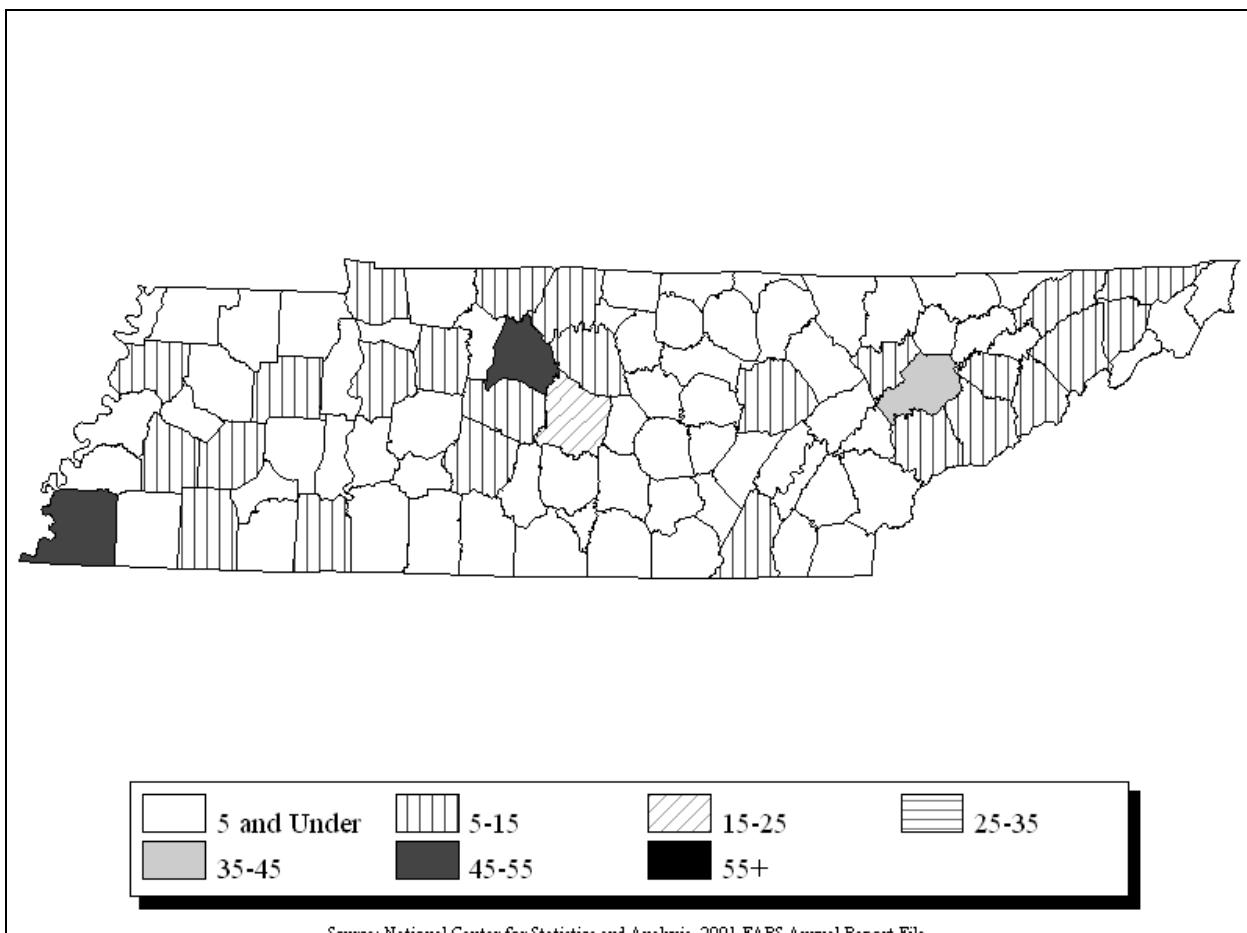
## TENNESSEE

Change in AR-Rates over time, Tennessee vs. US		
Time Period	Tennessee	US
1982 to 2001	-59%	-62%
Last 10 years	-38%	-32%
Last 5 years	-12%	-11%
Last 3 Years	-4%	0%
Last 1 Year	-4%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	None	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08* <i>(07/01/03)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*Enacted as of 09/03/2002 but effective as of a later date.



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	4,213	2,801	66	3.36	2.24
<b>1983</b>	3,823	2,503	65	2.90	1.90
<b>1984</b>	3,912	2,457	63	2.84	1.78
<b>1985</b>	3,678	2,271	62	2.57	1.59
<b>1986</b>	3,567	2,206	62	2.40	1.49
<b>1987</b>	3,260	1,951	60	2.16	1.29
<b>1988</b>	3,392	2,011	59	2.17	1.29
<b>1989</b>	3,370	1,927	57	2.11	1.21
<b>1990</b>	3,250	1,989	61	2.08	1.27
<b>1991</b>	3,078	1,814	59	1.94	1.14
<b>1992</b>	3,059	1,818	59	1.87	1.11
<b>1993</b>	3,043	1,748	57	1.82	1.04
<b>1994</b>	3,187	1,725	54	1.79	0.97
<b>1995</b>	3,183	1,739	55	1.76	0.96
<b>1996</b>	3,742	1,967	53	2.00	1.05
<b>1997</b>	3,513	1,710	49	1.77	0.86
<b>1998</b>	3,586	1,745	49	1.74	0.85
<b>1999</b>	3,522	1,700	48	1.67	0.81
<b>2000</b>	3,779	1,841	49	1.72	0.84
<b>2001</b>	3,724	1,789	48	1.72	0.83

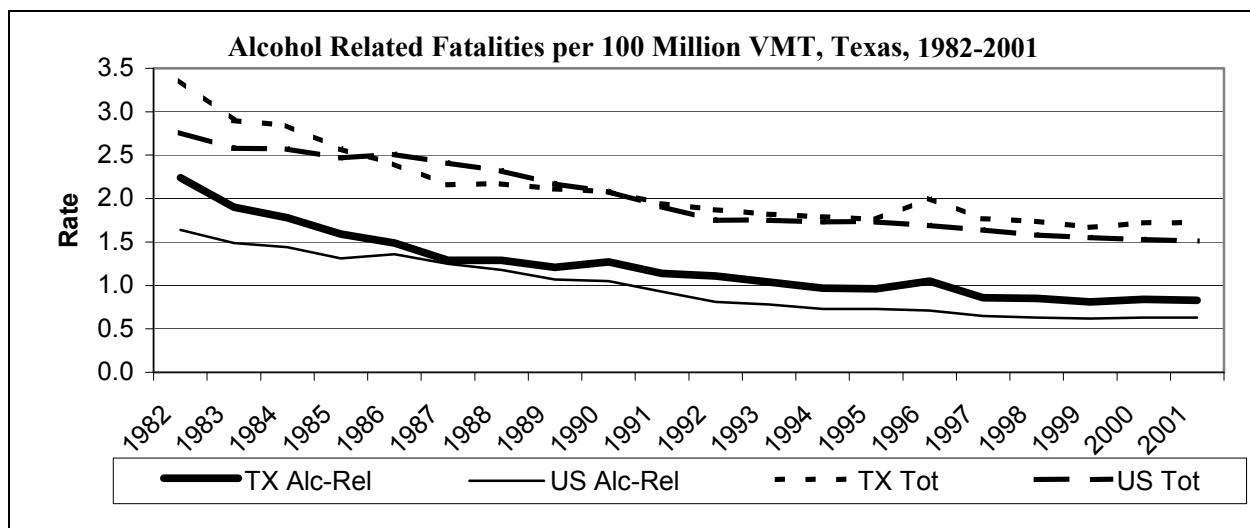
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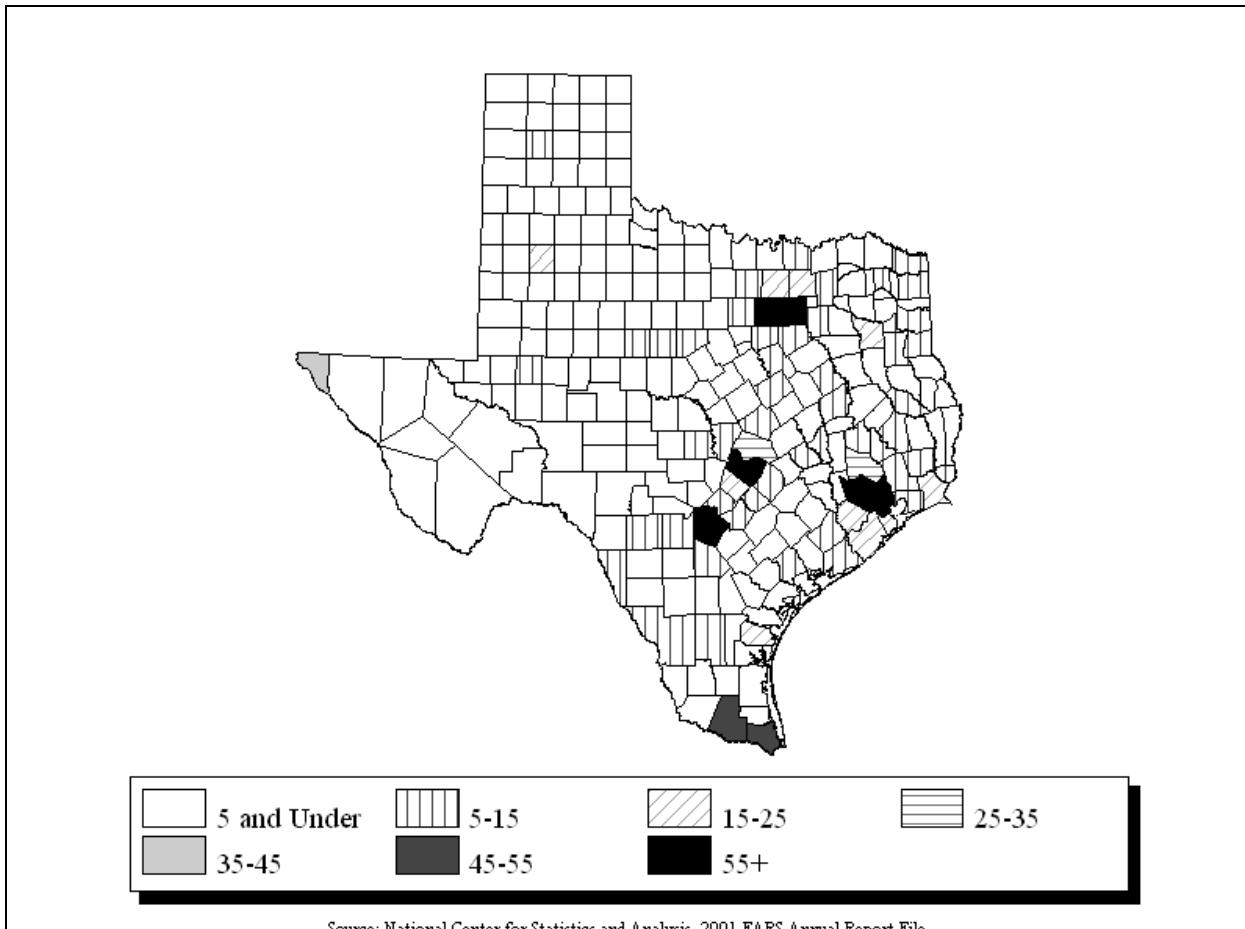
## TEXAS

Change in AR-Rates over time, Texas vs. US		
Time Period	Texas	US
<b>1982 to 2001</b>	-63%	-62%
Last 10 years	-27%	-32%
Last 5 years	-21%	-11%
Last 3 Years	-2%	0%
Last 1 Year	-1%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.08
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(09/01/99)</i>
Youthful (under 21) Offenders BAC Level	0.00

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	295	120	41	2.70	1.10
<b>1983</b>	283	112	39	2.52	1.00
<b>1984</b>	315	140	44	2.70	1.20
<b>1985</b>	303	116	38	2.52	0.96
<b>1986</b>	313	117	37	2.56	0.96
<b>1987</b>	297	98	33	2.34	0.77
<b>1988</b>	297	119	40	2.24	0.90
<b>1989</b>	303	93	31	2.18	0.67
<b>1990</b>	272	71	26	1.86	0.48
<b>1991</b>	271	86	32	1.76	0.56
<b>1992</b>	269	86	32	1.65	0.53
<b>1993</b>	303	89	30	1.78	0.52
<b>1994</b>	343	96	28	1.90	0.53
<b>1995</b>	325	92	28	1.73	0.49
<b>1996</b>	321	88	27	1.64	0.45
<b>1997</b>	366	81	22	1.79	0.40
<b>1998</b>	350	65	18	1.65	0.31
<b>1999</b>	360	90	25	1.63	0.41
<b>2000</b>	373	107	29	1.65	0.47
<b>2001</b>	292	68	23	1.25	0.29

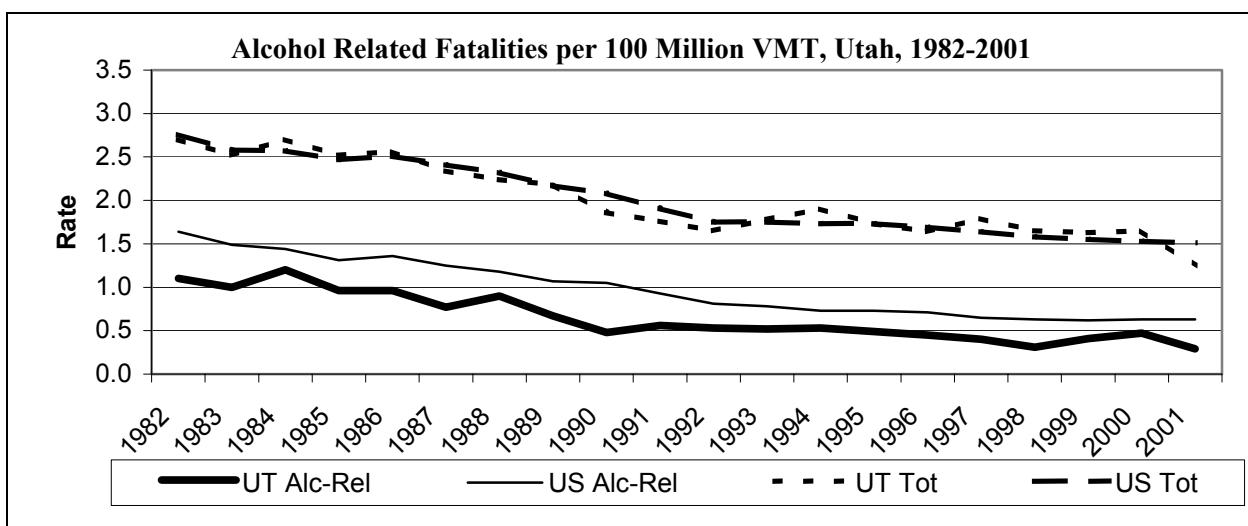
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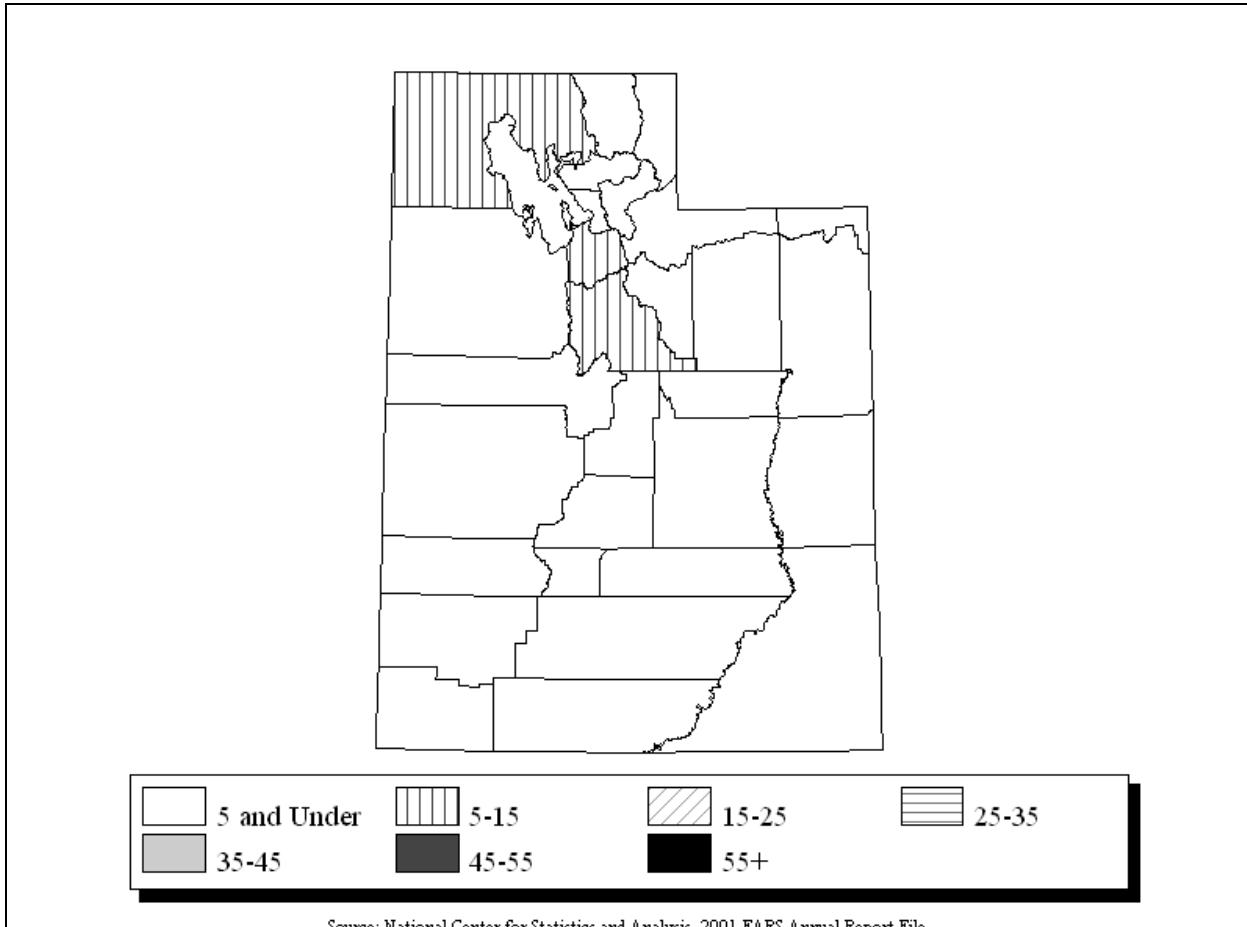
**UTAH**

Change in AR-Rates over time, Utah vs. US		
Time Period	Utah	US
<b>1982 to 2001</b>	-74%	-62%
Last 10 years	-48%	-32%
Last 5 years	-36%	-11%
Last 3 Years	-6%	0%
Last 1 Year	-38%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(08/01/83)</i>	
Youthful (under 21) Offenders BAC Level	0.00	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	107	70	65	2.70	1.76
<b>1983</b>	94	60	64	2.26	1.45
<b>1984</b>	114	61	53	2.60	1.39
<b>1985</b>	115	55	48	2.45	1.17
<b>1986</b>	109	77	71	2.28	1.61
<b>1987</b>	119	73	62	2.36	1.45
<b>1988</b>	129	67	52	2.32	1.21
<b>1989</b>	116	57	49	2.01	0.99
<b>1990</b>	90	52	57	1.54	0.89
<b>1991</b>	110	60	55	1.87	1.02
<b>1992</b>	96	41	43	1.59	0.68
<b>1993</b>	110	51	46	1.84	0.85
<b>1994</b>	77	37	48	1.25	0.60
<b>1995</b>	106	48	45	1.71	0.77
<b>1996</b>	88	40	45	1.38	0.63
<b>1997</b>	96	40	42	1.48	0.62
<b>1998</b>	104	40	38	1.58	0.61
<b>1999</b>	90	35	39	1.31	0.51
<b>2000</b>	76	32	42	1.12	0.47
<b>2001</b>	92	35	38	0.96	0.36

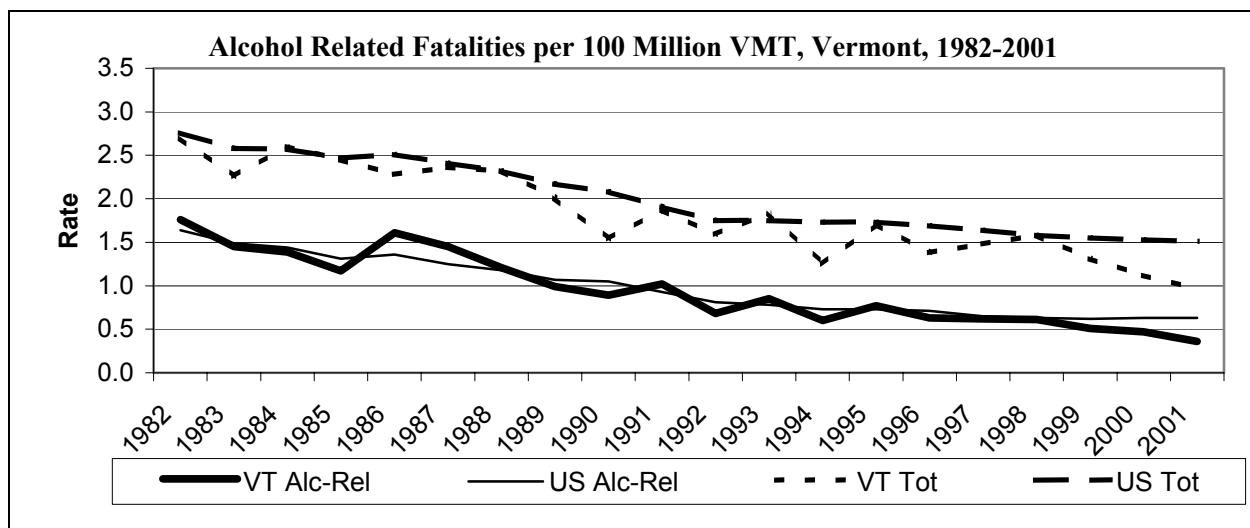
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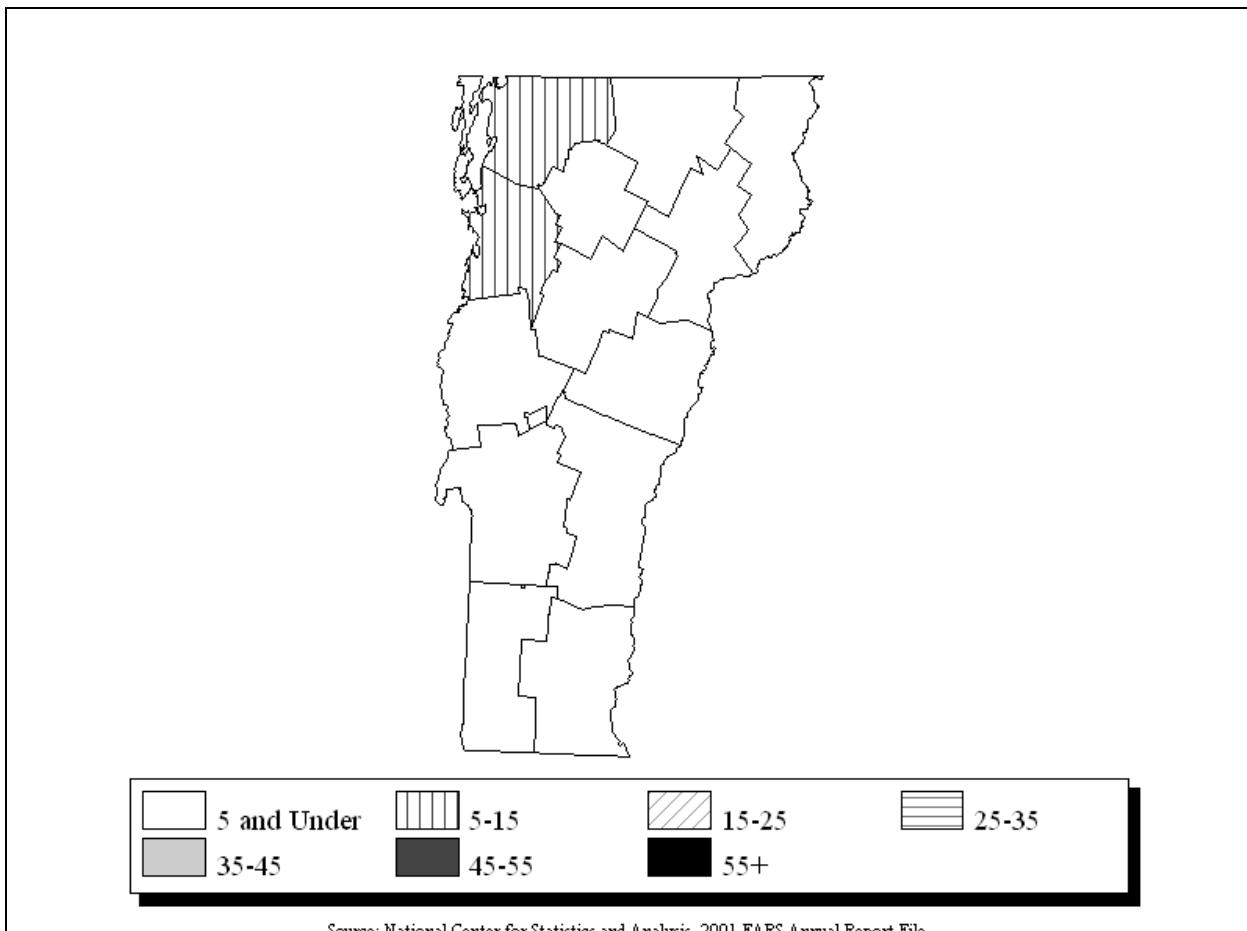
## VERMONT

Change in AR-Rates over time, Vermont vs. US		
Time Period	Vermont	US
<b>1982 to 2001</b>	-80%	-62%
Last 10 years	-65%	-32%
Last 5 years	-43%	-11%
Last 3 Years	-41%	0%
Last 1 Year	-23%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/91)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	881	493	56	2.13	1.19
<b>1983</b>	901	518	57	2.13	1.22
<b>1984</b>	1,013	572	56	2.28	1.28
<b>1985</b>	976	496	51	2.04	1.03
<b>1986</b>	1,126	606	54	2.18	1.17
<b>1987</b>	1,021	527	52	1.86	0.96
<b>1988</b>	1,072	501	47	1.87	0.87
<b>1989</b>	1,004	466	46	1.69	0.79
<b>1990</b>	1,079	540	50	1.79	0.90
<b>1991</b>	948	430	45	1.55	0.70
<b>1992</b>	839	373	44	1.32	0.59
<b>1993</b>	879	398	45	1.34	0.61
<b>1994</b>	930	385	41	1.38	0.57
<b>1995</b>	900	373	41	1.29	0.53
<b>1996</b>	877	353	40	1.23	0.50
<b>1997</b>	984	398	40	1.40	0.57
<b>1998</b>	935	359	38	1.29	0.49
<b>1999</b>	878	337	38	1.19	0.46
<b>2000</b>	929	360	39	1.24	0.48
<b>2001</b>	935	340	36	1.27	0.46

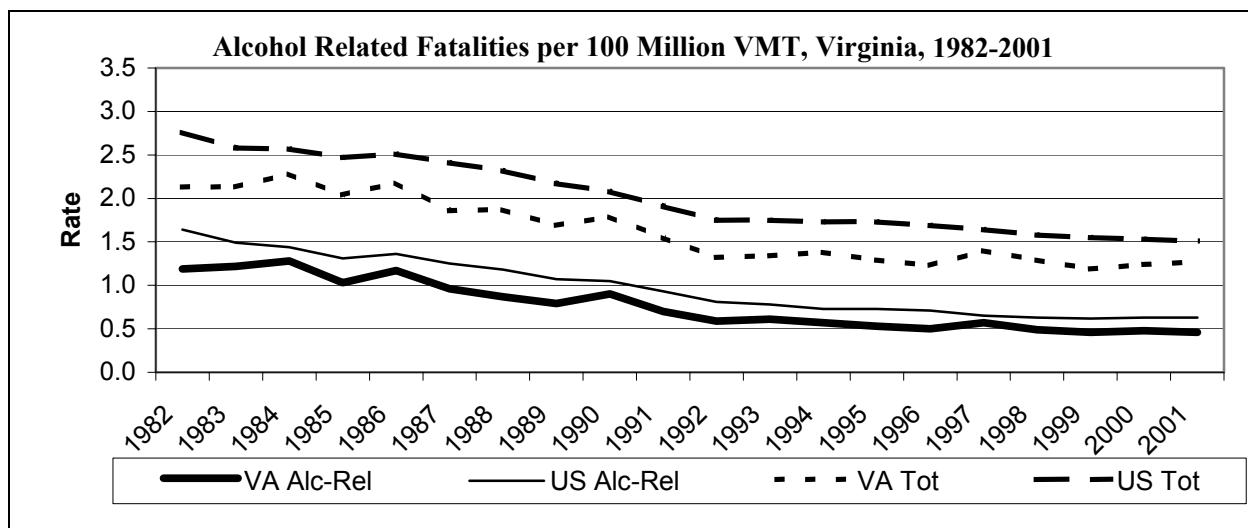
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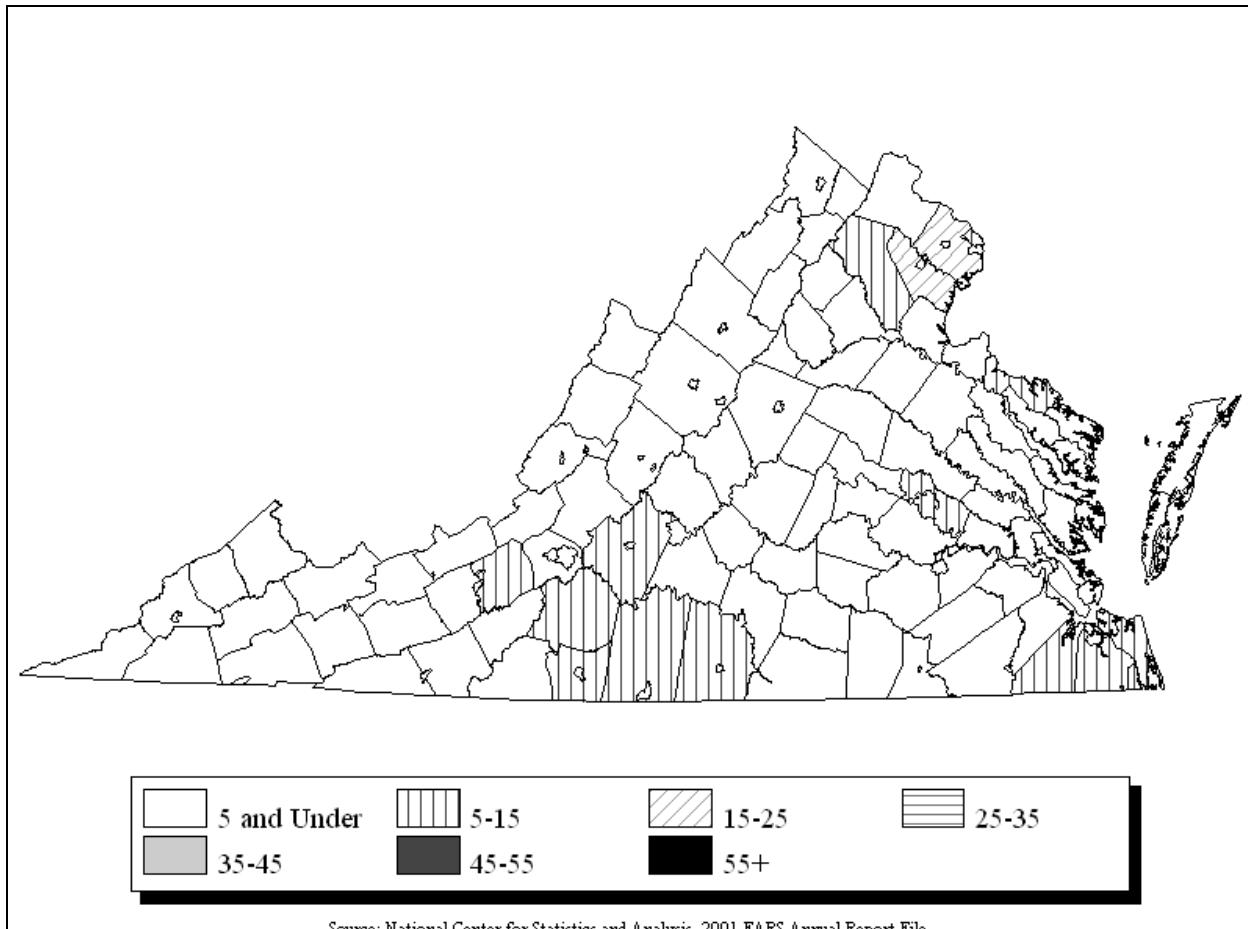
## VIRGINIA

Change in AR-Rates over time, Virginia vs. US		
Time Period	Virginia	US
<b>1982 to 2001</b>	-61%	-62%
Last 10 years	-34%	-32%
Last 5 years	-8%	-11%
Last 3 Years	-6%	0%
Last 1 Year	-4%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/94)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	748	482	64	2.39	1.54
1983	698	421	60	1.93	1.16
1984	746	421	56	2.18	1.23
1985	744	407	55	2.16	1.18
1986	703	422	60	1.95	1.17
1987	780	431	55	2.02	1.12
1988	778	464	60	1.86	1.11
1989	781	428	55	1.81	0.99
1990	825	475	58	1.85	1.06
1991	682	370	54	1.47	0.80
1992	651	339	52	1.32	0.69
1993	661	340	51	1.43	0.74
1994	640	317	49	1.35	0.67
1995	653	322	49	1.33	0.65
1996	712	361	51	1.44	0.73
1997	674	304	45	1.32	0.60
1998	662	313	47	1.27	0.60
1999	637	274	43	1.21	0.52
2000	631	286	45	1.18	0.54
2001	649	281	43	1.21	0.52

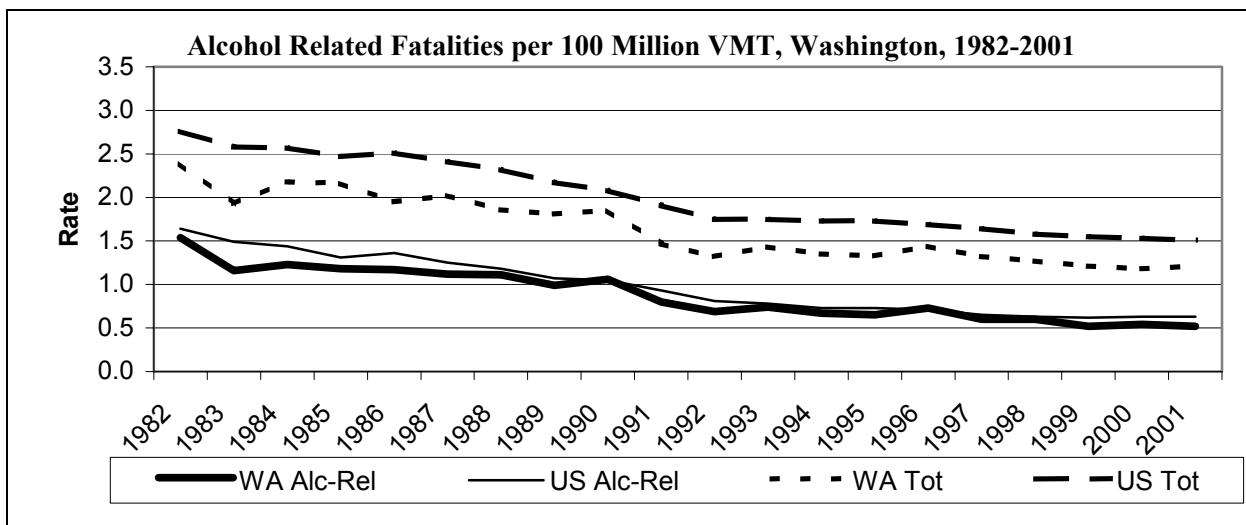
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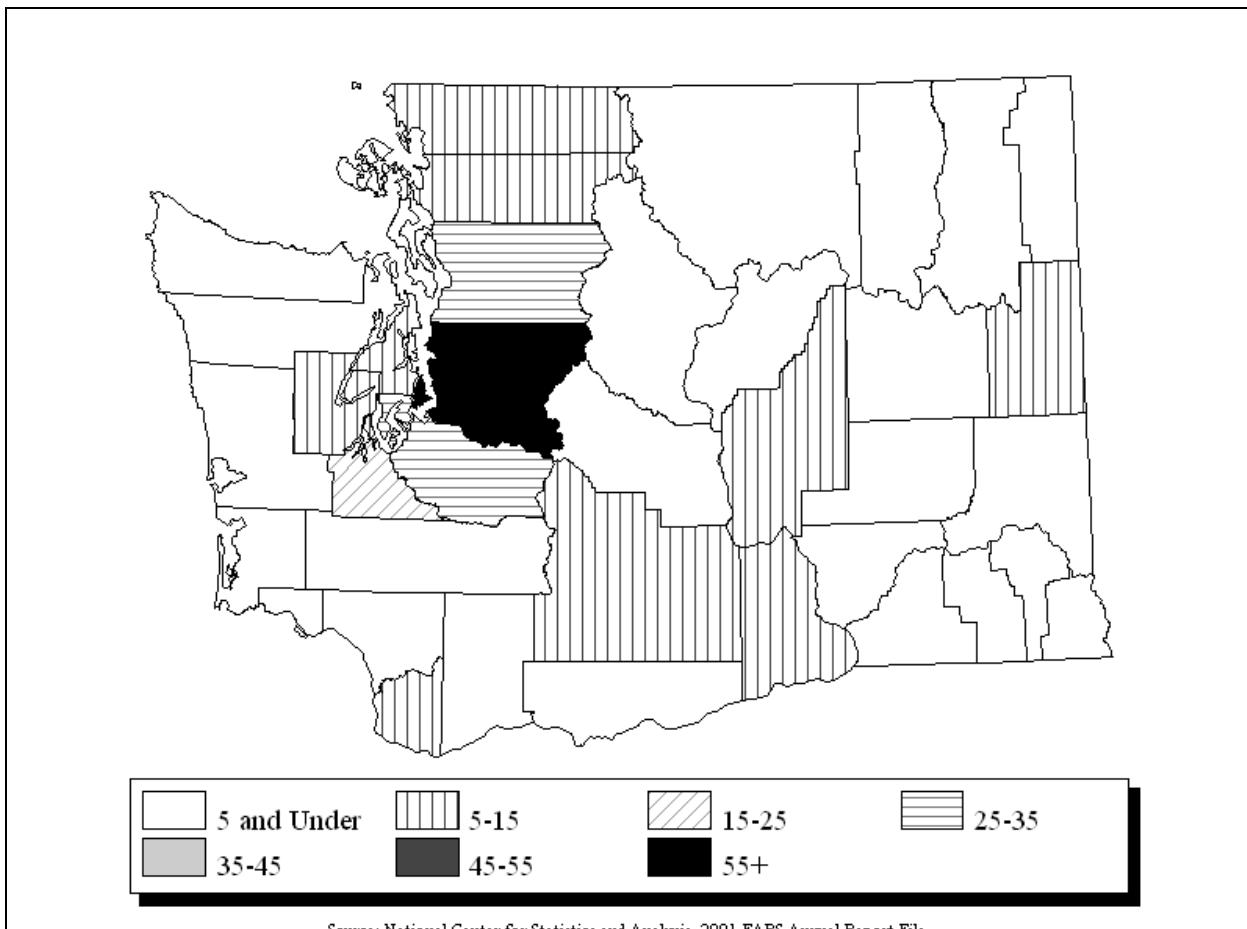
## WASHINGTON

Change in AR-Rates over time, Washington vs. US		
Time Period	Washington	US
1982 to 2001	-66%	-62%
Last 10 years	-35%	-32%
Last 5 years	-29%	-11%
Last 3 Years	-13%	0%
Last 1 Year	-4%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.08	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/01/99)</i>	
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	450	244	54	4.12	2.23
<b>1983</b>	425	253	60	3.63	2.16
<b>1984</b>	438	238	54	3.46	1.88
<b>1985</b>	420	219	52	3.32	1.73
<b>1986</b>	440	242	55	3.34	1.84
<b>1987</b>	471	239	51	3.43	1.74
<b>1988</b>	460	250	54	3.31	1.80
<b>1989</b>	468	235	50	3.13	1.57
<b>1990</b>	481	239	50	3.12	1.55
<b>1991</b>	414	202	49	2.58	1.26
<b>1992</b>	420	203	48	2.55	1.23
<b>1993</b>	429	190	44	2.56	1.13
<b>1994</b>	356	162	46	2.08	0.95
<b>1995</b>	376	168	45	2.16	0.96
<b>1996</b>	348	138	40	1.97	0.78
<b>1997</b>	381	152	40	2.08	0.83
<b>1998</b>	354	150	42	1.90	0.80
<b>1999</b>	395	149	38	2.08	0.78
<b>2000</b>	411	181	44	2.14	0.94
<b>2001</b>	376	135	36	1.91	0.68

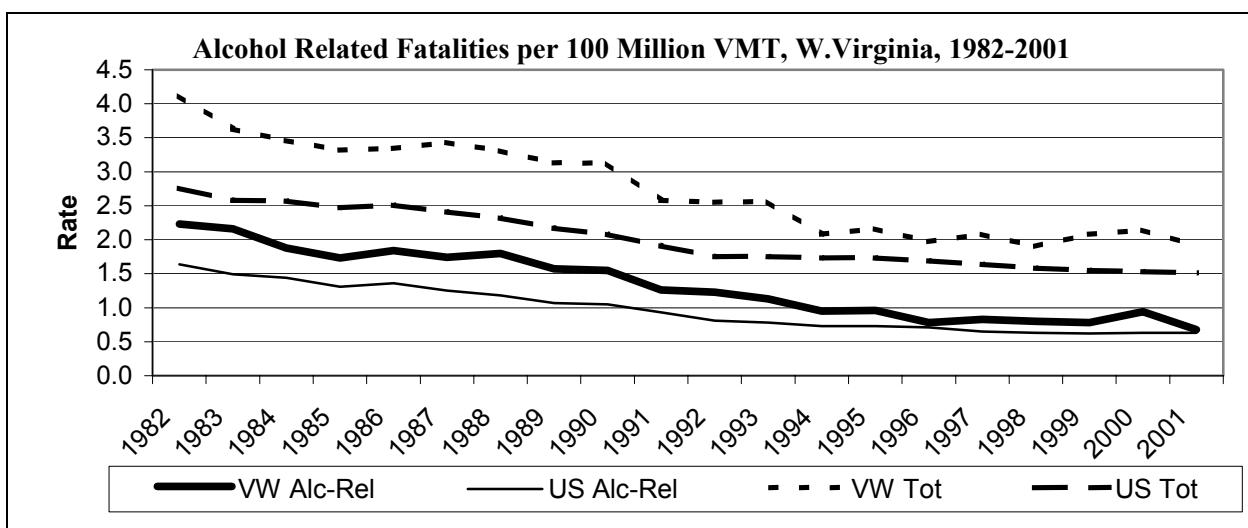
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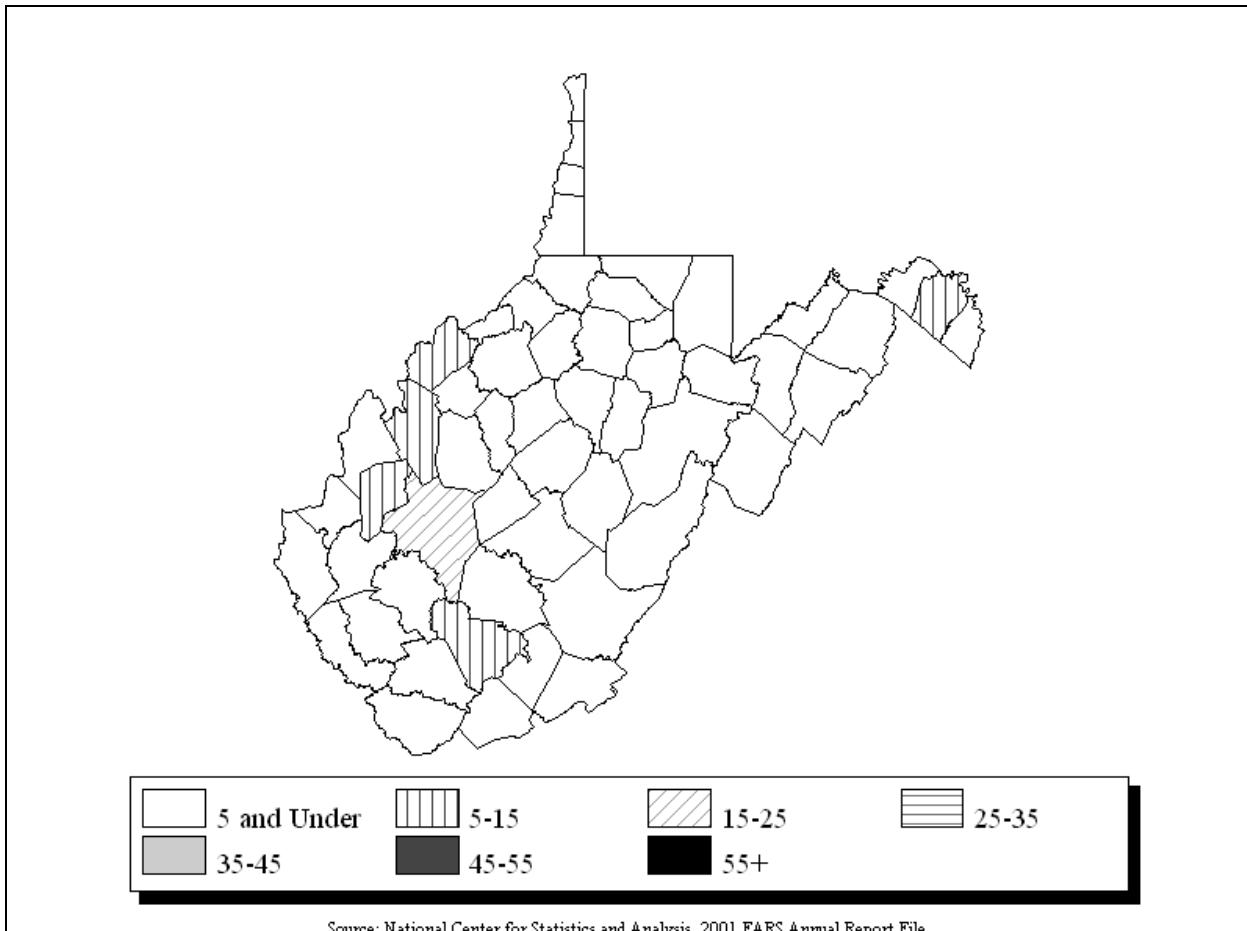
## WEST VIRGINIA

Change in AR-Rates over time, West Virginia vs. US		
Time Period	W.Virginia	US
<b>1982 to 2001</b>	-70%	-62%
Last 10 years	-46%	-32%
Last 5 years	-13%	-11%
Last 3 Years	-15%	0%
Last 1 Year	-28%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
1982	770	479	62	2.35	1.46
1983	725	453	63	2.13	1.33
1984	822	482	59	2.31	1.36
1985	744	404	54	2.03	1.10
1986	747	428	57	1.94	1.11
1987	797	450	56	1.98	1.12
1988	807	462	57	1.90	1.09
1989	817	397	49	1.90	0.92
1990	769	370	48	1.74	0.84
1991	797	362	45	1.75	0.80
1992	652	302	46	1.37	0.63
1993	714	330	46	1.45	0.67
1994	712	311	44	1.42	0.62
1995	745	323	43	1.45	0.63
1996	761	325	43	1.44	0.62
1997	725	335	46	1.33	0.62
1998	714	304	43	1.26	0.54
1999	745	310	42	1.31	0.54
2000	799	350	44	1.40	0.61
2001	763	364	48	1.33	0.64

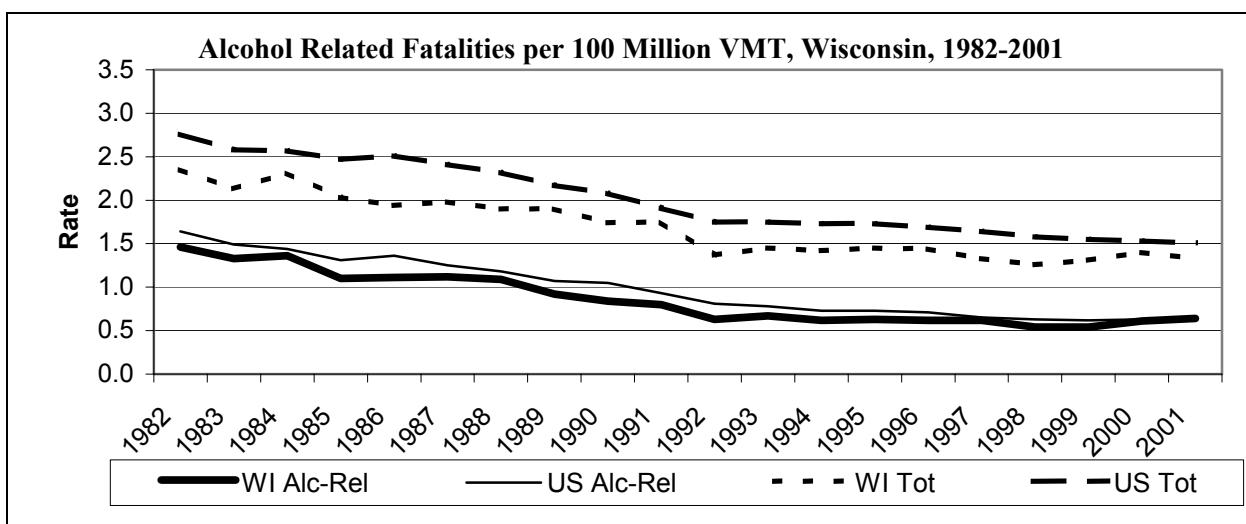
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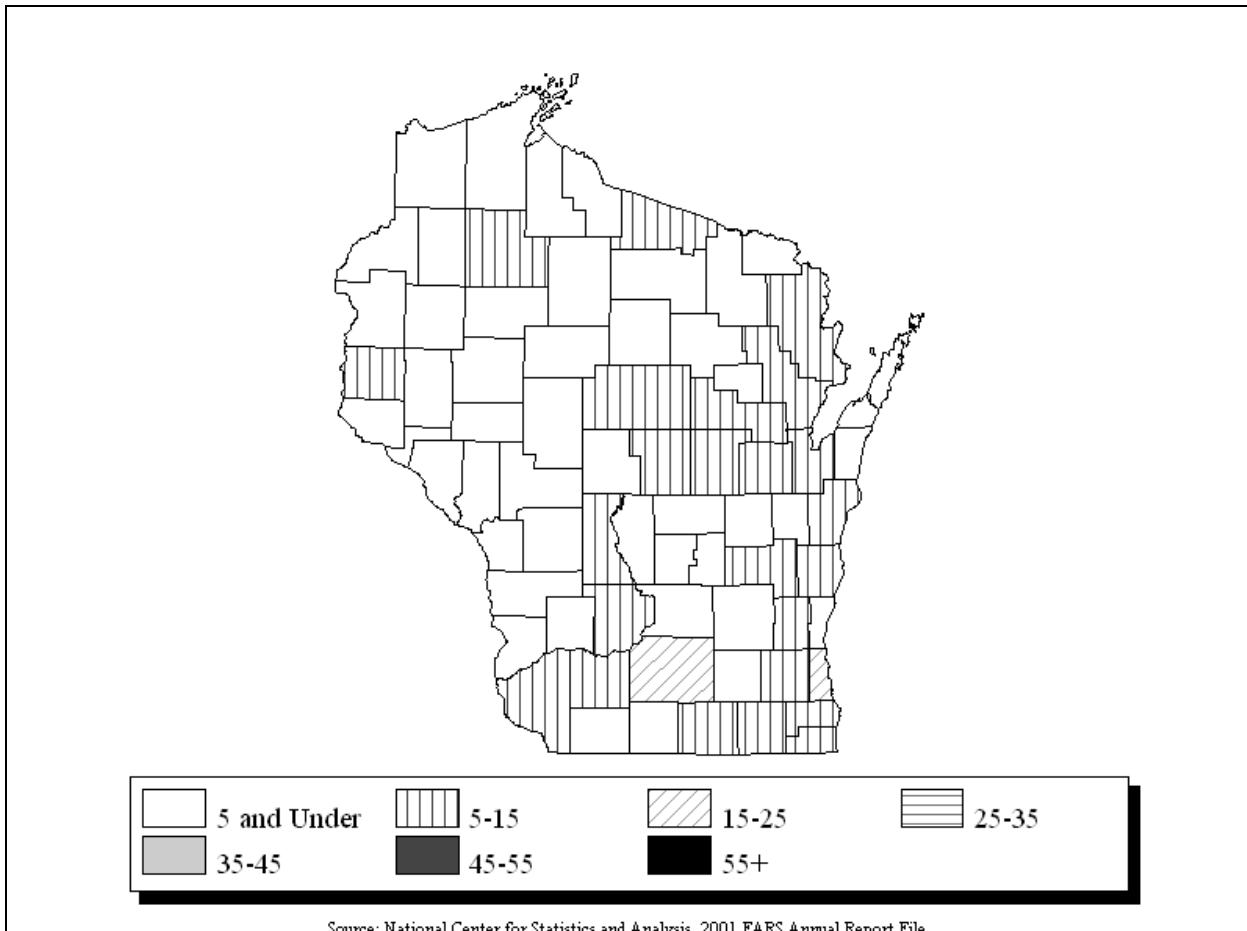
## WISCONSIN

Change in AR-Rates over time, Wisconsin vs. US		
Time Period	Wisconsin	US
1982 to 2001	-56%	-62%
Last 10 years	-20%	-32%
Last 5 years	3%	-11%
Last 3 Years	19%	0%
Last 1 Year	5%	0%

Impaired Driving Legislations*		
Law	BAC Level	
Administrative Per Se BAC Level	0.10	
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.10	(-)
Youthful (under 21) Offenders BAC Level	0.02	

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	201	118	59	3.81	2.23
<b>1983</b>	173	98	57	3.42	1.94
<b>1984</b>	157	88	56	3.06	1.72
<b>1985</b>	152	83	54	2.81	1.54
<b>1986</b>	168	92	55	3.13	1.71
<b>1987</b>	129	72	56	2.40	1.34
<b>1988</b>	155	79	51	2.74	1.40
<b>1989</b>	127	60	47	2.21	1.04
<b>1990</b>	125	77	62	2.14	1.32
<b>1991</b>	122	56	46	2.03	0.93
<b>1992</b>	118	67	57	1.90	1.08
<b>1993</b>	120	50	42	1.77	0.74
<b>1994</b>	144	72	50	2.15	1.08
<b>1995</b>	170	85	50	2.41	1.21
<b>1996</b>	143	59	42	1.94	0.80
<b>1997</b>	137	44	32	1.81	0.58
<b>1998</b>	154	71	46	1.92	0.88
<b>1999</b>	189	71	38	2.42	0.91
<b>2000</b>	152	49	32	1.88	0.61
<b>2001</b>	186	81	44	2.16	0.94

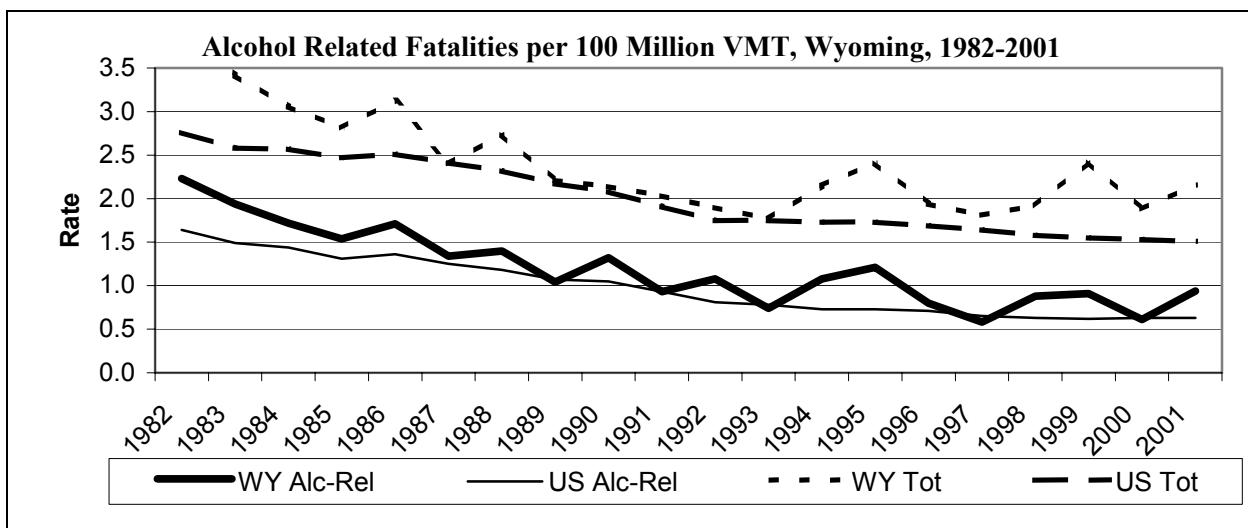
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

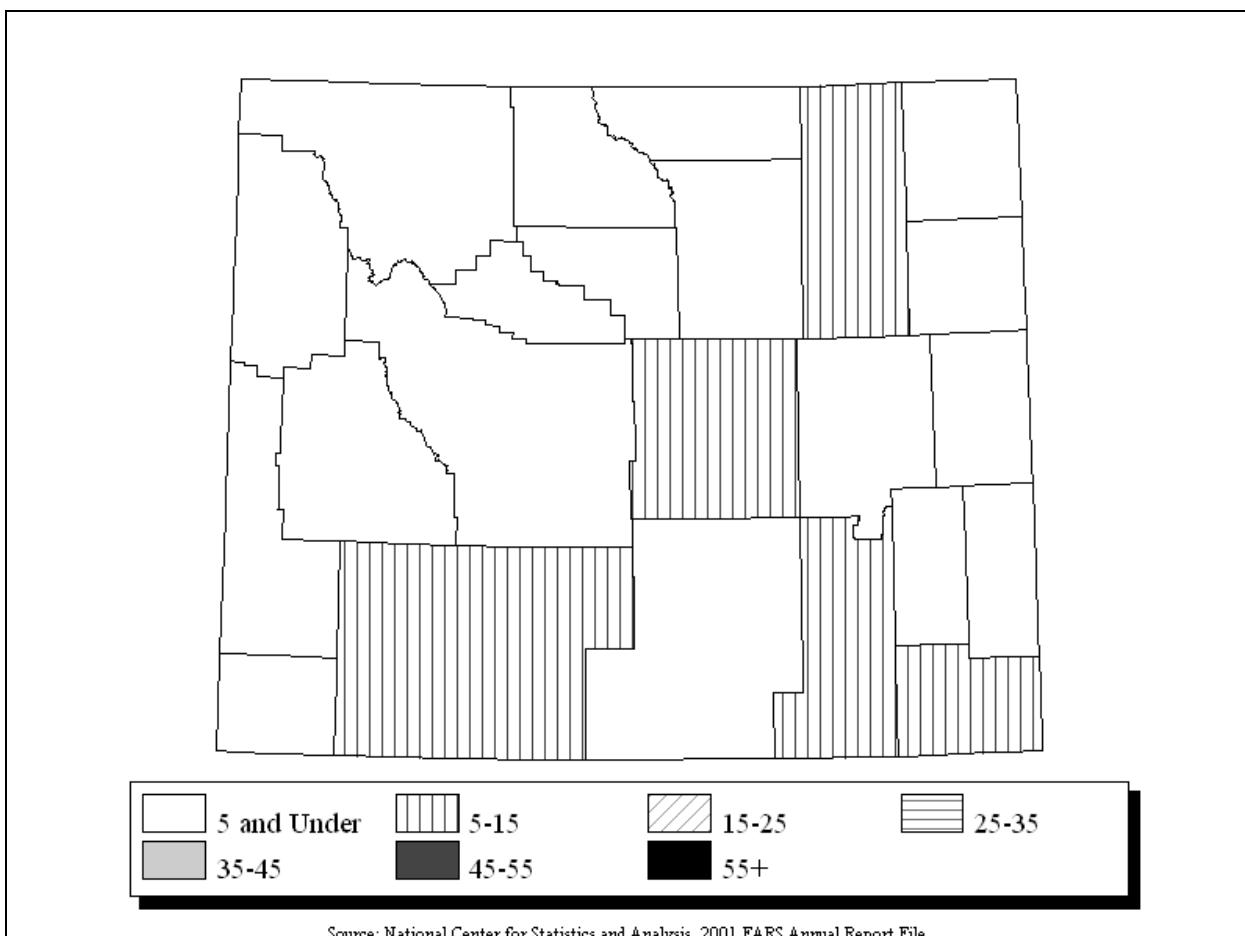
## WYOMING

Change in AR-Rates over time, Wyoming vs. US		
Time Period	Wyoming	US
<b>1982 to 2001</b>	-58%	-62%
Last 10 years	1%	-32%
Last 5 years	18%	-11%
Last 3 Years	7%	0%
Last 1 Year	54%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	0.10
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(07/01/02)</i>
Youthful (under 21) Offenders BAC Level	0.02

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]**

## Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities			Fatality Rate	
	Tot	Alc-Rel	%	Tot	Alc-Rel
<b>1982</b>	480	267	56	5.46	3.03
<b>1983</b>	514	294	57	5.81	3.32
<b>1984</b>	545	349	64	4.92	3.15
<b>1985</b>	600	383	64	5.74	3.66
<b>1986</b>	592	392	66	5.40	3.58
<b>1987</b>	614	383	62	5.53	3.45
<b>1988</b>	585	384	66	5.03	3.30
<b>1989</b>	543	321	59	4.27	2.52
<b>1990</b>	473	285	60	3.68	2.22
<b>1991</b>	495	267	54	3.80	2.05
<b>1992</b>	571	333	58	4.18	2.44
<b>1993</b>	600	337	56	4.39	2.47
<b>1994</b>	598	308	52	4.14	2.13
<b>1995</b>	595	327	55	3.83	2.10
<b>1996</b>	601	322	54	3.83	2.05
<b>1997</b>	592	293	49	3.66	1.81
<b>1998</b>	558	291	52	3.38	1.76
<b>1999</b>	558	249	45	3.28	1.47
<b>2000</b>	568	268	47	3.23	1.53
<b>2001</b>	481	246	51	2.70	1.38

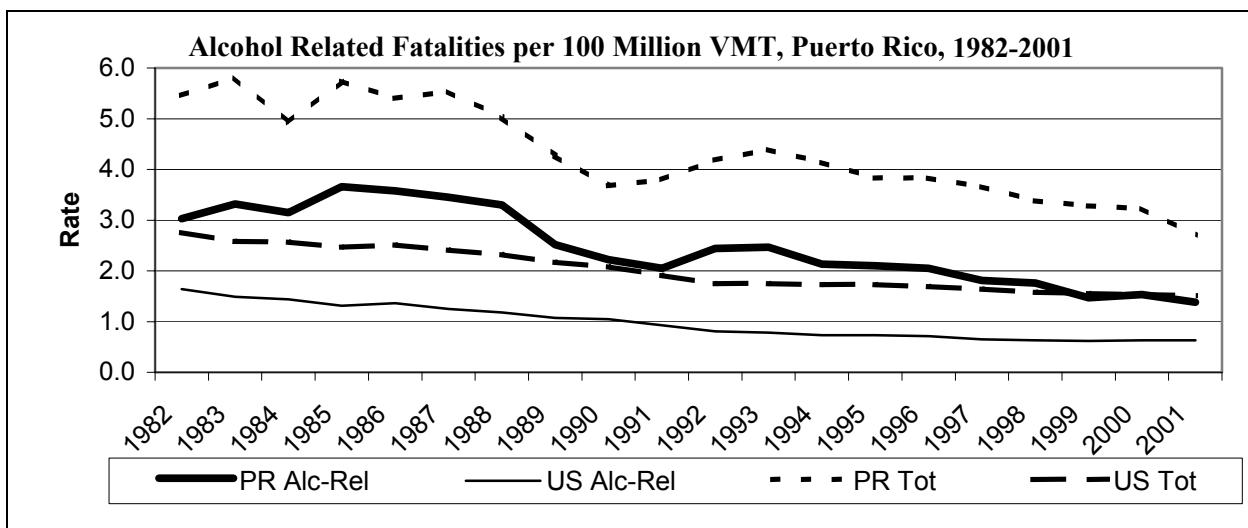
Source: 1982-2000 (Final) FARS Files and 2001 FARS Annual Report File, FHWA's Highway Statistics Annual Series

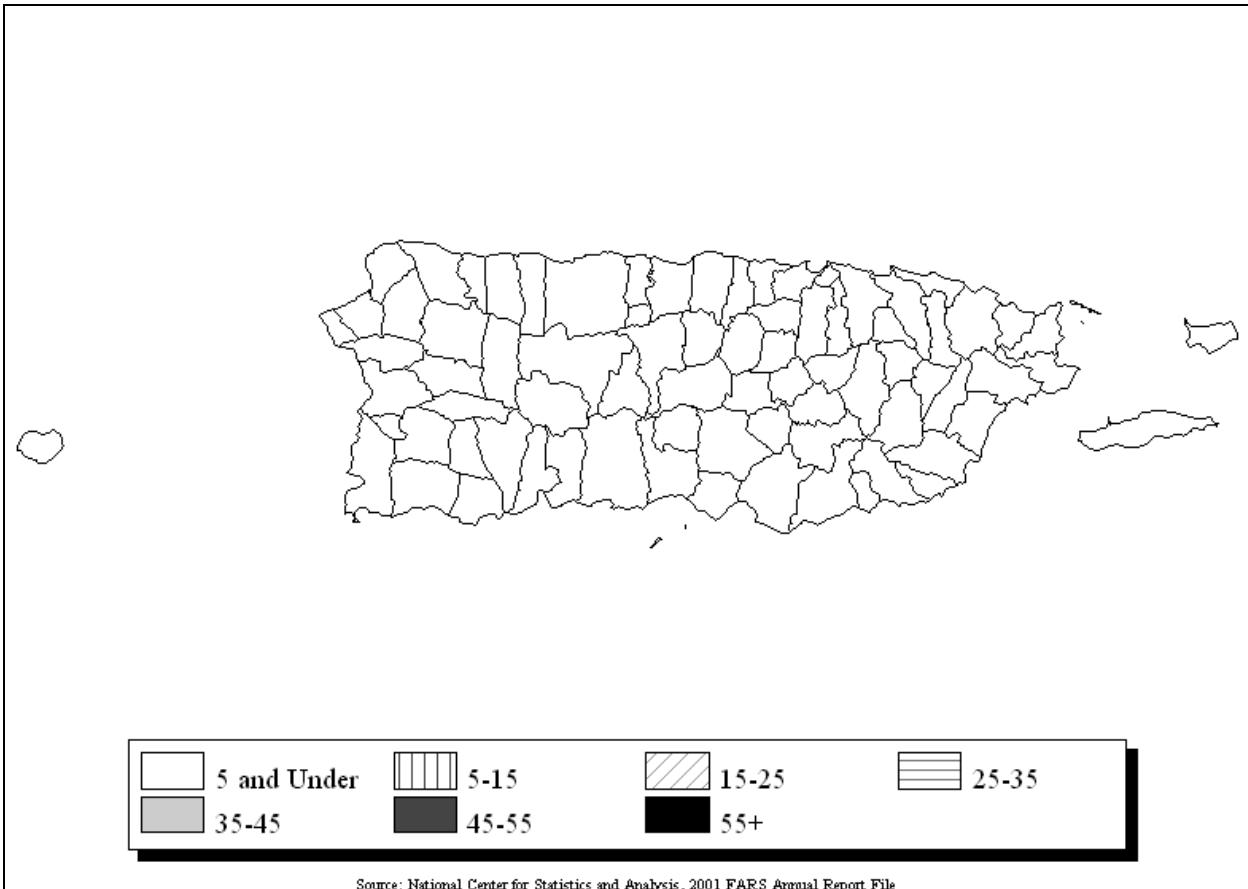
## PUERTO RICO

Change in AR-Rates over time, Puerto Rico vs. US		
Time Period	Puerto Rico	US
<b>1982 to 2001</b>	-54%	-62%
Last 10 years	-33%	-32%
Last 5 years	-33%	-11%
Last 3 Years	-22%	0%
Last 1 Year	-10%	0%

Impaired Driving Legislations*	
Law	BAC Level
Administrative Per Se BAC Level	None
Illegal Per Se BAC Level <i>(Effective Date)</i>	0.08 <i>(01/10/01)</i>
Youthful (under 21) Offenders BAC Level	None

\*As of 09/03/2002



**Alcohol Related Fatalities by County [2001]****NOTE: COUNTY CODE INFORMATION WAS NOT AVAILABLE FOR PUERTO RICO**

## Discussion

This document is intended to serve as a reference for regional analyses of alcohol involvement in fatal crashes. The alcohol related fatality rate per 100 Million VMT can be used as a metric that is normalized with respect to the extent of the traffic fatality problem for any given state. The 1982-2001 summary figures on change in fatalities in rates serve to indicate the change in the alcohol problem in motor vehicle crashes with respect to 1982, the data year for which NHTSA began quantifying alcohol involvement in fatal crashes.

## References

1. FHWA (2002) *Highway Statistics. Annual Report*, FHWA-PL-02-008, Federal Highway Administration, Department of Transportation.
2. NHTSA (2002) *Traffic Safety Facts 2001*. Report DOT-HS-809-484, National Highway Traffic Safety Administration, Department of Transportation.
3. Subramanian, R. (2002) *Transitioning to Multiple Imputation: A New Method to Estimate Missing Blood Alcohol Concentration (BAC) values in FARS* Report DOT-HS-809-403, National Highway Traffic Safety Administration, Department of Transportation.

For additional copies of this Technical Report, please call (202) 366-4198 or fax your request to (202) 366-3189. For questions regarding the data reported in this research, contact Rajesh Subramanian [202-366-5371]. Internet users at may access this research note and other general information on highway traffic safety at:  
<http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/AvailInf.html>

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