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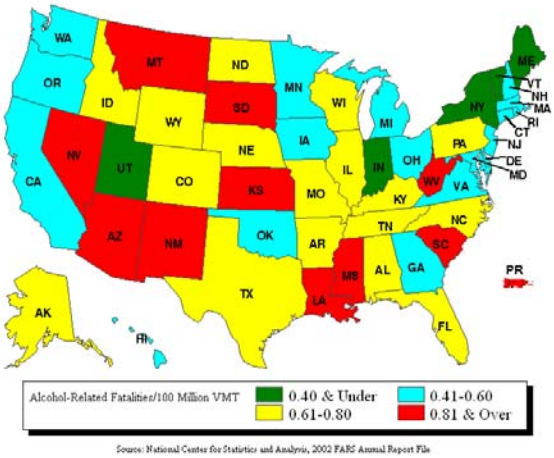
Technical Report

State Alcohol Related Fatality Rates 2003



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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 2003.

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

In 2003, about 17,013 fatalities or roughly 40 percent of all fatalities in Motor Vehicle Traffic Crashes were estimated to be alcohol related. A large proportion of alcohol-related fatalities occurred in crashes that involved at least one driver, pedestrian or pedal-cyclist with a BAC of 0.08 or above. In the scope of this report, these crashes will be referred to as *high*-alcohol crashes. The numbers of fatalities vary 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 as well as fatalities in high-alcohol 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[1] to drivers, pedestrians and pedal-cyclists involved in fatal crashes <u>only when</u> 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:

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

The fatality rate in crashes that involved at least one driver or non-occupant with a BAC of 0.08 or above (0.08+ Rate) is the ratio of the fatalities in such crashes in that year and the VMT as expressed below:

$$0.08 + Rate_{Year} = \left[\frac{(0.08 + Fatalities)_{Year}}{VMT_{Year}}\right] * 100$$

FHWA publishes Annual VMT in millions of miles traveled in every state. NHTSA uses these estimates to present its annual fatality rate per <u>100 million</u> 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.

1 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]*

Other Issues

Discrepancies may occur between the number of alcohol-related fatalities as reported by some states and those reported by NHTSA for that state. This may arise due to many reasons, which have been addressed in a Q&A section at the end of this report.

Data

The data used throughout this report are from NCSA's Fatality Analysis Reporting System (FARS). Final FARS files are available from 1982 to 2002 and data is available for 2003 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 2003 FARS data. These data are combined with the FARS files to generate estimates of alcohol involvement by state and county.

The Federal Highway Administration (FHWA) releases annual VMT data. Further classification of this data by county is not available.

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 2003, the most recent year for which data is available.

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

- A Table showing the number of total (Tot), alcohol related fatalities (Alc-Rel) and fatalities in crashes where the highest BAC in the crash was 0.08 or above (0.08+), alcohol related fatalities as well as fatalities in high-alcohol (0.08+) crashes, 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.

The chart depicts trend lines from 1982 to 2003 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.

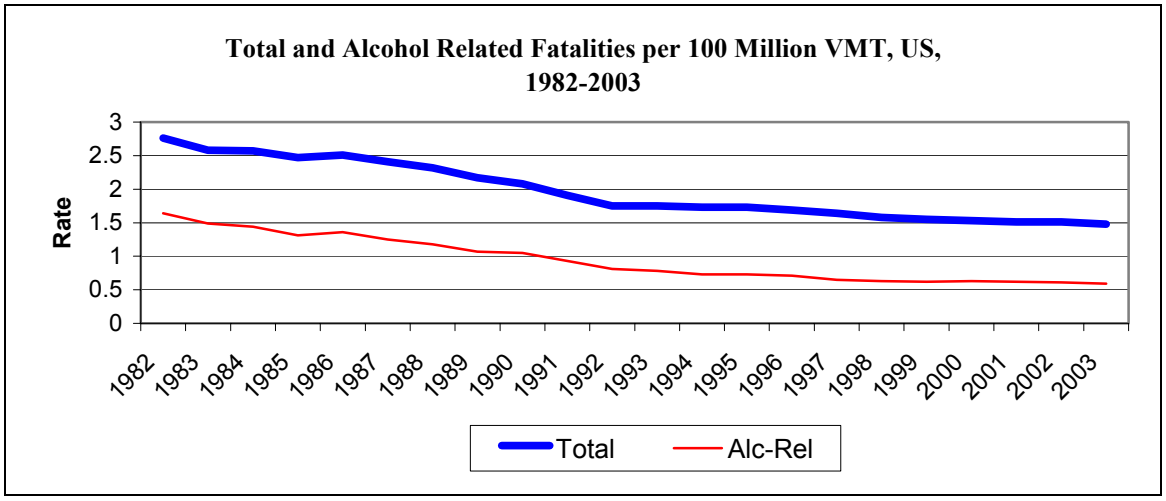
The maps illustrate:

- For each state, the alcohol related fatalities by county for the state.

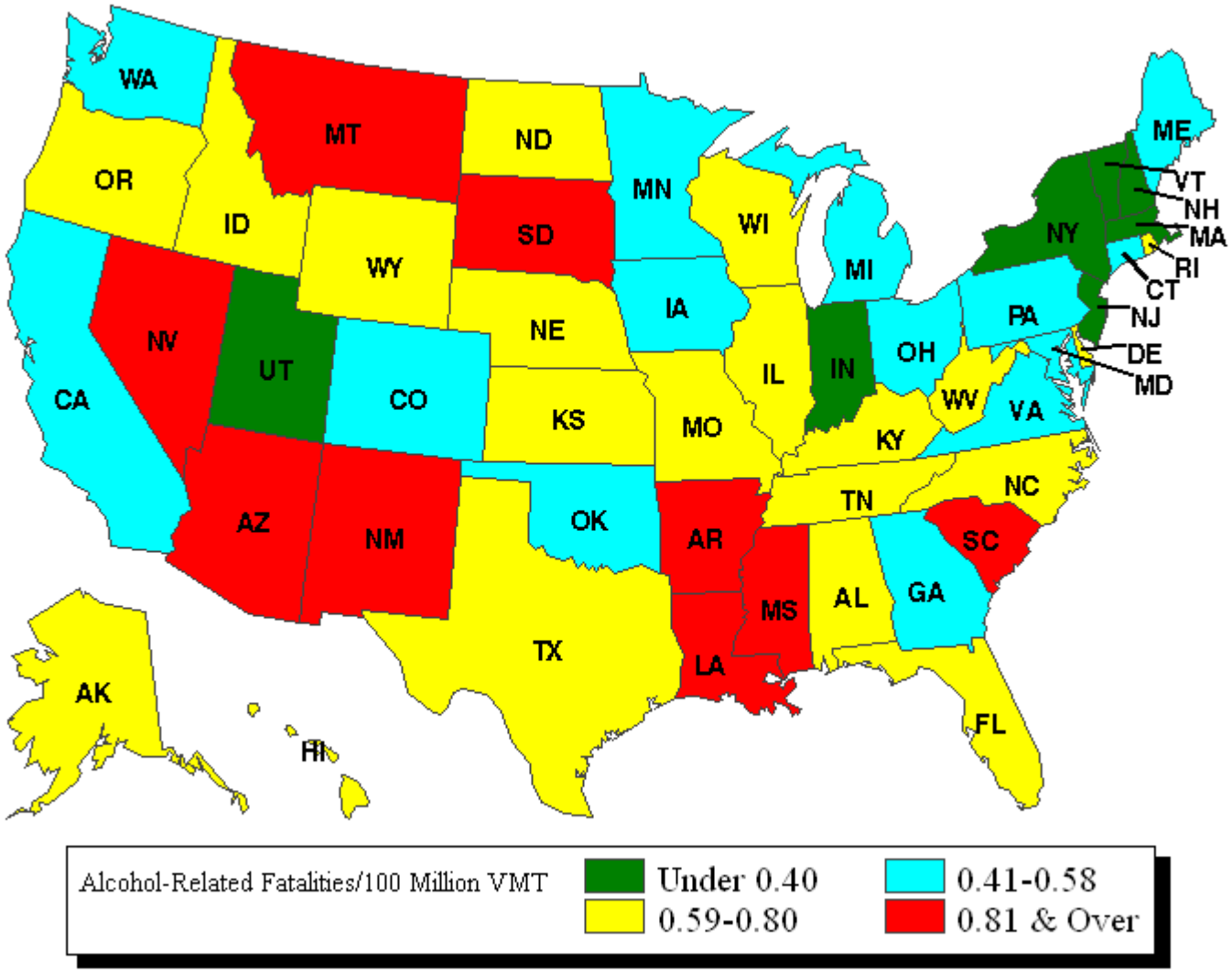
- For each county in the state, if the alcohol-related fatalities, as a percent of total fatalities, are above or below the percentage for the state as a whole. For example, Montgomery County in Maryland, 46 percent of all fatalities in the county were alcohol-related. In comparison, 43 percent of all fatalities in Maryland were alcohol-related. Since the county percentage is higher than the state percentage, Montgomery county will be shaded in the map.

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	43,945	26,173	60	23,246	53	2.76	1.64	1.46
1983	42,589	24,635	58	22,041	52	2.58	1.49	1.33
1984	44,257	24,762	56	21,715	49	2.57	1.44	1.26
1985	43,825	23,167	53	20,086	46	2.47	1.31	1.13
1986	46,087	25,017	54	21,471	47	2.51	1.36	1.17
1987	46,390	24,094	52	20,696	45	2.41	1.25	1.08
1988	47,087	23,833	51	20,599	44	2.32	1.18	1.02
1989	45,582	22,424	49	19,531	43	2.17	1.07	0.93
1990	44,599	22,587	51	19,607	44	2.08	1.05	0.91
1991	41,508	20,159	49	17,599	42	1.91	0.93	0.81
1992	39,250	18,290	47	15,847	40	1.75	0.81	0.71
1993	40,150	17,908	45	15,547	39	1.75	0.78	0.68
1994	40,716	17,308	43	14,985	37	1.73	0.73	0.64
1995	41,817	17,732	42	15,242	36	1.73	0.73	0.63
1996	42,065	17,749	42	15,263	36	1.69	0.71	0.61
1997	42,013	16,711	40	14,421	34	1.64	0.65	0.56
1998	41,501	16,673	40	14,207	34	1.58	0.63	0.54
1999	41,717	16,572	40	14,250	34	1.55	0.62	0.53
2000	41,945	17,380	41	14,870	35	1.53	0.63	0.54
2001	42,196	17,400	41	14,858	35	1.51	0.62	0.53
2002	43,005	17,524	41	15,093	35	1.51	0.61	0.53
2003	42,643	17,013	40	14,630	34	1.48	0.59	0.51

Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series



Alcohol Related Fatalities per 100 Million VMT by State, 2003



Source: National Center for Statistics and Analysis, 2003 FARS Annual Report File

In 2003, the alcohol-related fatality rate declined from 2002 in a total of thirty-one states and Puerto Rico. As shown in the Table below, for the thirty-one states that showed a decrease in their alcohol-related fatality rates, there were a total of 780 fewer fatalities as compared to 2002. This however, was offset by an increase of 270 fatalities for the twenty states that showed an increase in their alcohol-related fatality rate in 2003 as compared to 2002.

Alcohol-Related Fatalities and Fatality Rates by Categories of Increasing and Decreasing Rates in 2003 as compared to 2002

Alcohol-Related Fatality Rates	Number of States	Change in Fatalities
States with Higher/Flat Rates	20	+270
States with Lower Rates	31	-780
U.S.	-	-511

Source: NCSA FARS 2002-2003

The table (overleaf) depicts the alcohol-related fatality rate per 100 Million VMT for the states and Puerto Rico in the five-year period from 1999 to 2003. The states have been sorted in an ascending order by the alcohol-related fatality rate in 2003. The Table also shows the percentage change in the rates from 1999 and 2002. The percentage change in alcohol-related fatality rate since last year and the rank of this percentage change, as indicated in parenthesis. The lower ranks reflect highest decline in the rates among all the states. For example, when comparing the percentage change in the rates from 1999 to 2003, Utah had the highest percentage decrease (-54%) and was hence ranked 1. For the same period, South Dakota had the highest percentage increase in the rate (44%) and was hence ranked 48. In 1999, Montana had the highest alcohol-related fatality rate of 1.11 in the nation while Massachusetts and New York had the lowest rate of 0.38 in the nation. In 2003, Montana had the highest rate of alcohol-related fatalities in the nation at 1.18 while Utah had the lowest rate at 0.19. Utah also had the largest percentage decrease in the rate from 2002. The rates are also highlighted if it reflects a decrease from the previous year.

The sections following the Table provide the rates from 1982 to 2003 by state.

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Alcohol-related Fatalities per 100 Million VMT by State, 1999-2003, Sorted by Ascending 2003 Rate

State	Alcohol-Related Fatality Rate					% Change (Rank)	
	1999	2000	2001	2002	2003	1999 to 2003	2002 to 2003
Utah	0.41	0.47	0.3	0.29	0.19	-53.66% (1)	-34.48% (1)
Vermont	0.53	0.47	0.43	0.34	0.35	-33.96% (3)	2.94% (34)
Indiana	0.55	0.43	0.45	0.36	0.36	-34.55% (2)	0.00% (29)
Massachusetts	0.38	0.41	0.43	0.42	0.39	2.63% (32)	-7.14% (17)
New Hampshire	0.55	0.41	0.54	0.4	0.39	-29.09% (4)	-2.50% (25)
New Jersey	0.43	0.48	0.41	0.4	0.39	-9.30% (18)	-2.50% (25)
New York	0.38	0.37	0.39	0.36	0.39	2.63% (32)	8.33% (40)
Connecticut	0.45	0.52	0.52	0.46	0.42	-6.67% (22)	-8.70% (10)
Ohio	0.51	0.53	0.57	0.52	0.43	-15.69% (11)	-17.31% (3)
Georgia	0.53	0.56	0.52	0.49	0.45	-15.09% (12)	-8.16% (12)
Iowa	0.58	0.47	0.51	0.44	0.47	-9.62% (17)	-14.55% (5)
Virginia	0.46	0.48	0.46	0.49	0.47	2.17% (31)	-4.08% (22)
Washington	0.52	0.54	0.52	0.55	0.47	-18.97% (8)	6.82% (39)
Michigan	0.59	0.54	0.53	0.49	0.48	-18.64% (10)	-2.04% (27)
Minnesota	0.4	0.49	0.42	0.47	0.48	20.00% (43)	2.13% (32)
California	0.47	0.47	0.5	0.51	0.5	6.38% (35)	-1.96% (28)
Maine	0.42	0.36	0.45	0.34	0.5	19.05% (42)	47.06% (47)
Maryland	0.44	0.48	0.54	0.51	0.51	15.91% (40)	0.00% (29)
Oklahoma	0.61	0.53	0.62	0.55	0.56	-8.20% (21)	1.82% (31)
Colorado	0.56	0.64	0.76	0.72	0.57	1.79% (30)	-20.83% (2)
Pennsylvania	0.61	0.63	0.63	0.62	0.58	-4.92% (26)	-6.45% (20)
Kentucky	0.65	0.6	0.54	0.64	0.59	-9.23% (19)	-7.81% (13)
North Carolina	0.65	0.69	0.59	0.64	0.59	-9.23% (19)	-7.81% (13)
Oregon	0.5	0.55	0.54	0.52	0.59	18.00% (41)	13.46% (41)
Illinois	0.63	0.61	0.6	0.62	0.6	-4.76% (27)	-3.23% (23)
Nebraska	0.7	0.58	0.52	0.63	0.64	-8.57% (20)	1.59% (30)
Tennessee	0.8	0.82	0.79	0.71	0.65	-18.75% (9)	-8.45% (11)
Wisconsin	0.54	0.61	0.64	0.61	0.65	20.37% (44)	6.56% (38)
Delaware	0.5	0.74	0.77	0.56	0.66	32.00% (46)	17.86% (43)
Wyoming	0.91	0.61	0.95	0.74	0.67	-26.37% (5)	-9.46% (8)
Rhode Island	0.43	0.49	0.6	0.56	0.68	58.14% (49)	21.43% (45)
Florida	0.8	0.85	0.75	0.72	0.69	-13.75% (15)	-4.17% (21)
North Dakota	0.8	0.57	0.73	0.67	0.7	-12.50% (16)	4.48% (36)
Alabama	0.83	0.75	0.66	0.71	0.71	-19.32% (6)	-6.58% (19)
Alaska	0.88	1.21	1	0.76	0.71	-14.46% (14)	0.00% (29)
Kansas	0.7	0.57	0.69	0.8	0.72	2.86% (33)	-10.00% (7)
Missouri	0.66	0.77	0.77	0.76	0.74	-5.13% (25)	-16.85% (4)
West Virginia	0.78	0.94	0.69	0.89	0.74	12.12% (37)	-2.63% (24)
Idaho	0.74	0.88	0.65	0.64	0.75	1.35% (29)	17.19% (42)
Texas	0.81	0.84	0.84	0.82	0.76	-6.17% (23)	-7.32% (16)
Hawaii	0.54	0.64	0.68	0.53	0.77	42.59% (47)	45.28% (46)
Dist of Columbia	0.66	0.57	0.91	0.68	0.82	24.24% (45)	20.59% (44)
Arkansas	0.72	0.76	0.66	0.8	0.83	15.28% (39)	3.75% (35)
Mississippi	1.05	1.08	0.77	0.92	0.85	-19.05% (7)	-7.61% (14)
Arizona	0.9	0.95	0.98	0.94	0.87	-5.43% (24)	-9.38% (9)
New Mexico	0.92	0.94	0.93	0.96	0.87	-3.33% (28)	-7.45% (15)
Louisiana	1.08	1.11	1.03	0.99	0.92	-14.81% (13)	-7.07% (18)
Nevada	0.88	0.79	0.73	0.92	0.94	6.82% (36)	2.17% (33)
South Carolina	0.89	1.05	1.25	1.16	1.01	13.48% (38)	-12.93% (6)
South Dakota	0.8	0.98	1	1.08	1.15	43.75% (48)	6.48% (37)
Montana	1.11	1.18	1.04	1.21	1.18	6.31% (34)	-2.48% (26)
U.S.	0.62	0.63	0.62	0.61	0.59	-4.84%	-3.28%
Puerto Rico	1.47	1.53	1.44	1.33	1.25	-14.97%	-6.02%

Source: NCSA FARS 1998-2002 (Final) and 2003 (ARF) Files, FHWA Highway Statistics Series
Highlighted cells reflect a lower rate as compared to previous year

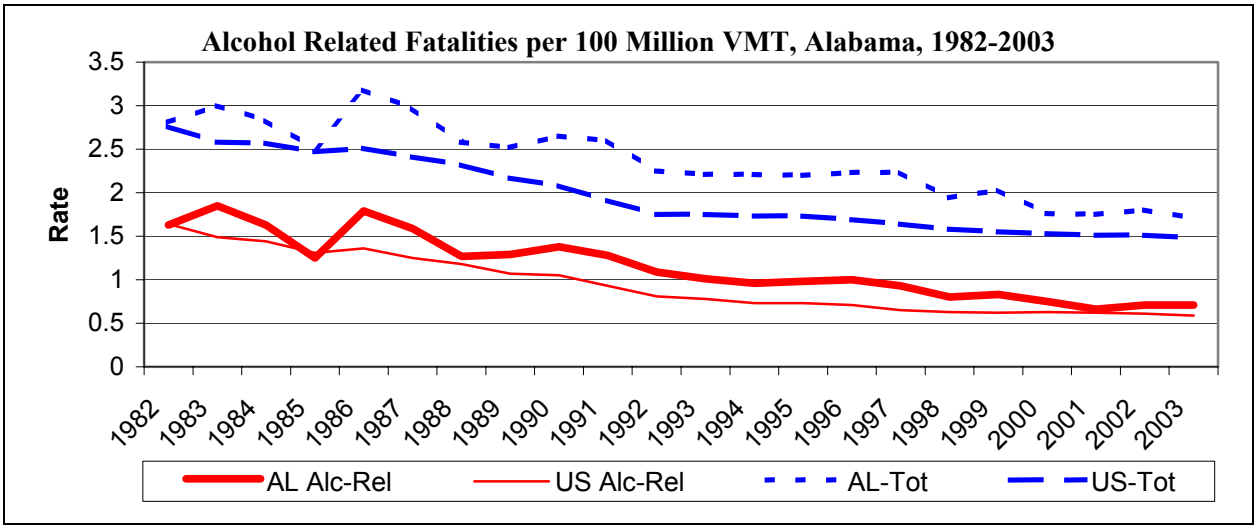
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	839	486	58	436	52	2.81	1.63	1.46
1983	930	573	62	508	55	3.00	1.85	1.64
1984	932	537	58	465	50	2.83	1.63	1.41
1985	882	439	50	385	44	2.51	1.25	1.10
1986	1,081	609	56	524	48	3.18	1.79	1.54
1987	1,111	596	54	524	47	2.97	1.59	1.40
1988	1,024	503	49	437	43	2.58	1.27	1.10
1989	1,029	527	51	448	44	2.52	1.29	1.10
1990	1,121	583	52	520	46	2.65	1.38	1.23
1991	1,116	551	49	494	44	2.60	1.28	1.15
1992	1,031	498	48	446	43	2.25	1.09	0.97
1993	1,044	476	46	433	41	2.21	1.01	0.92
1994	1,083	472	44	422	39	2.21	0.96	0.86
1995	1,114	494	44	441	40	2.20	0.98	0.87
1996	1,146	516	45	460	40	2.23	1.00	0.89
1997	1,192	499	42	438	37	2.23	0.93	0.82
1998	1,071	442	41	389	36	1.94	0.80	0.70
1999	1,138	465	41	422	37	2.03	0.83	0.75
2000	996	426	43	375	38	1.76	0.75	0.66
2001	991	374	38	330	33	1.75	0.66	0.58
2002	1,038	410	39	366	35	1.80	0.71	0.64
2003	1,001	415	41	376	38	1.71	0.71	0.64

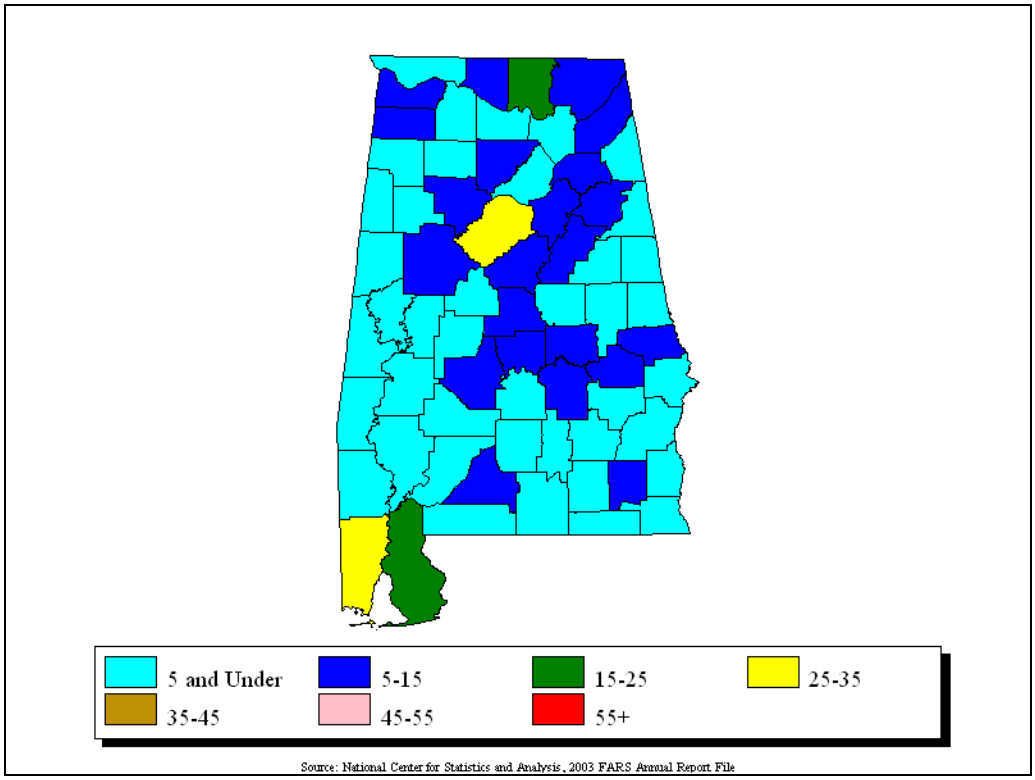
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Alabama vs. US	
Time Period	**Alabama (US)**
1982 to 2003	-56% (-64%)
Last 10 years	-30% (-24%)
Last 5 years	-11% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	0% (-3%)

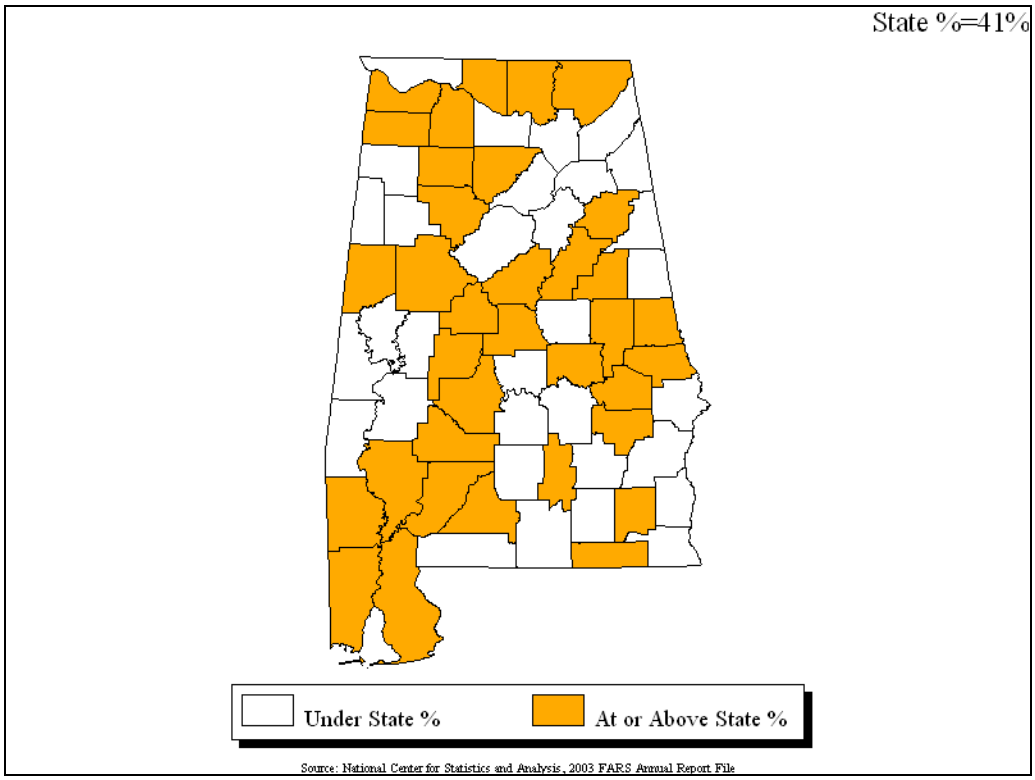
Change in 0.08+ Rates over time, Alabama vs. US	
Time Period	**Alabama (US)**
1982 to 2003	-56% (-65%)
Last 10 years	-30% (-25%)
Last 5 years	-9% (-6%)
Last 3 Years	-3% (-6%)
Last 1 Year	0% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



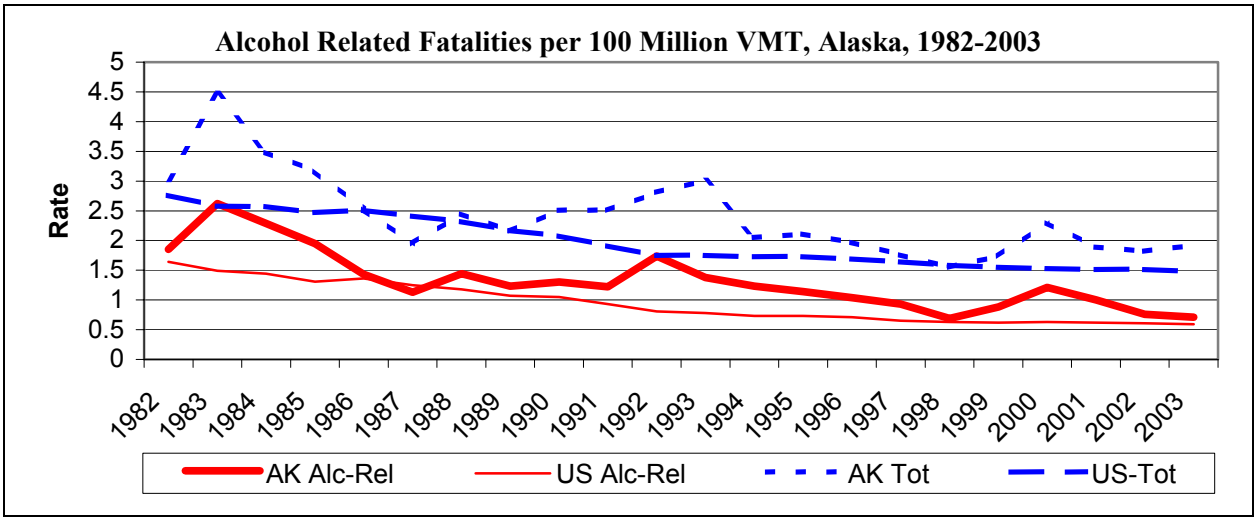
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	105	64	61	62	59	3.03	1.85	1.79
1983	150	88	59	80	53	4.47	2.62	2.38
1984	134	88	66	77	57	3.48	2.29	2.00
1985	127	78	61	74	58	3.17	1.95	1.85
1986	101	57	56	50	49	2.53	1.43	1.25
1987	76	44	58	38	49	1.95	1.13	0.97
1988	97	57	59	51	53	2.45	1.44	1.29
1989	84	48	58	42	50	2.16	1.23	1.08
1990	98	51	52	45	46	2.51	1.30	1.15
1991	101	49	48	45	45	2.51	1.22	1.12
1992	108	67	62	54	50	2.81	1.74	1.41
1993	118	54	46	52	44	3.01	1.38	1.33
1994	85	51	60	44	51	2.05	1.23	1.06
1995	87	47	54	39	44	2.11	1.14	0.95
1996	81	43	53	39	48	1.97	1.04	0.95
1997	77	41	53	31	41	1.76	0.93	0.71
1998	70	31	44	28	40	1.55	0.69	0.62
1999	79	40	51	36	46	1.74	0.88	0.79
2000	106	56	53	52	49	2.30	1.21	1.13
2001	89	47	53	44	49	1.89	1.00	0.93
2002	89	37	41	35	39	1.82	0.76	0.71
2003	95	35	37	31	33	1.92	0.71	0.63

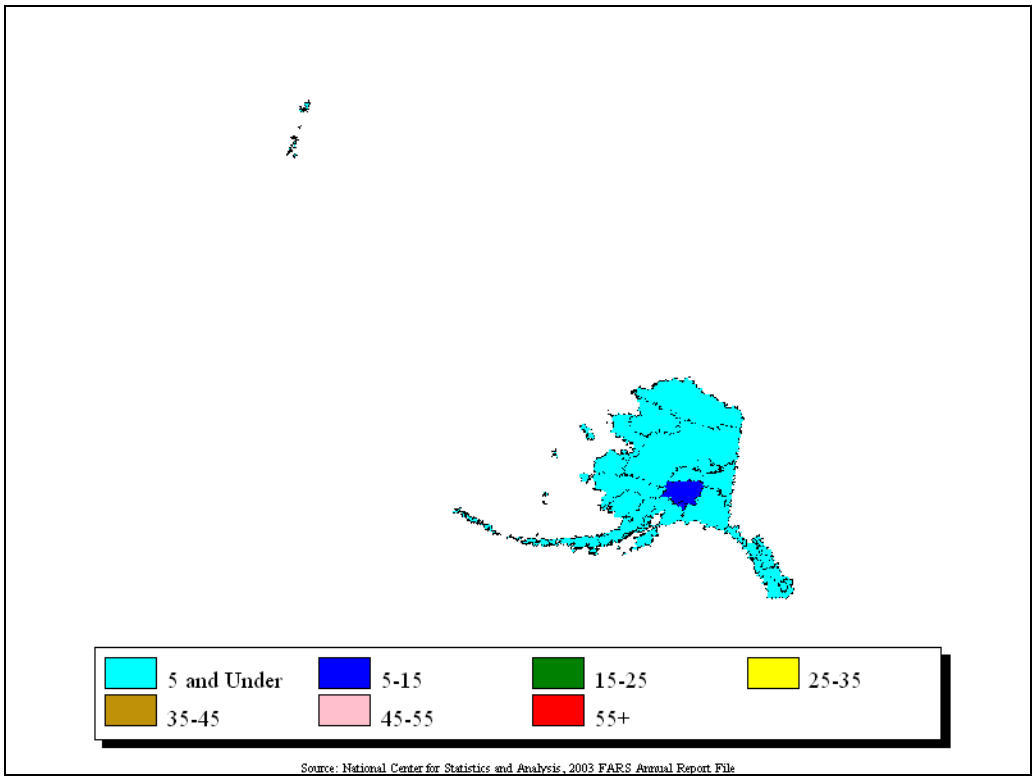
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Alaska vs. US	
Time Period	**Alaska (US)**
1982 to 2003	-62% (-64%)
Last 10 years	-49% (-24%)
Last 5 years	+3% (-6%)
Last 3 Years	-41% (-6%)
Last 1 Year	-7% (-3%)

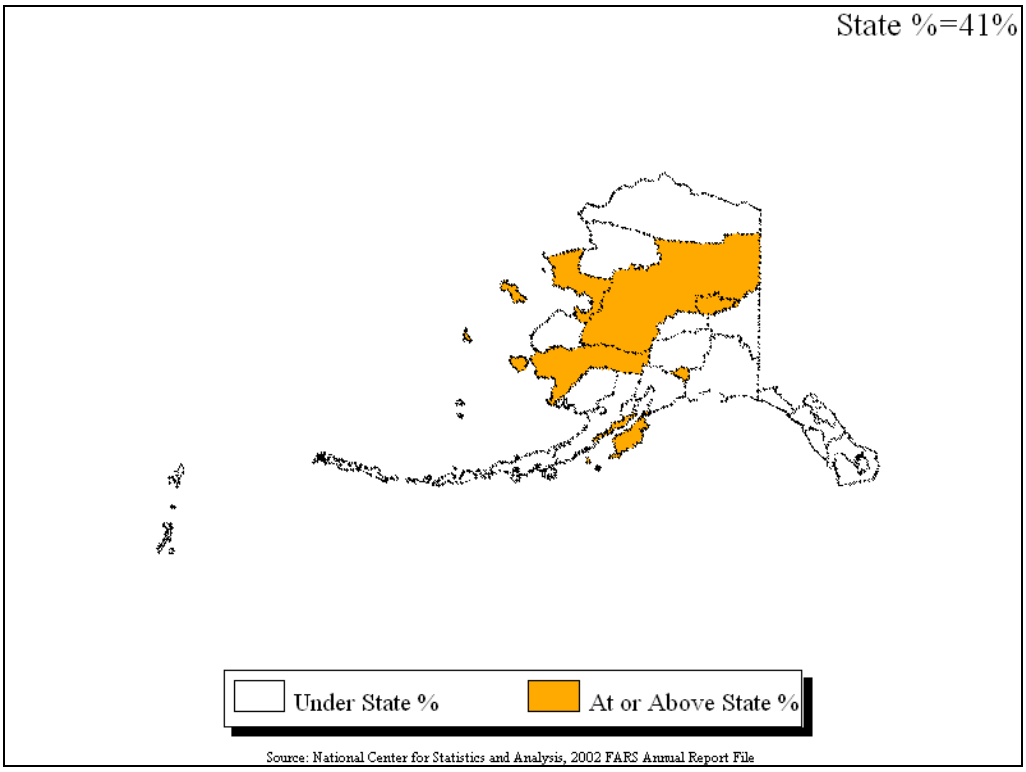
Change in 0.08+ Rates over time, Alaska vs. US	
Time Period	**Alaska (US)**
1982 to 2003	-65% (-65%)
Last 10 years	-53% (-25%)
Last 5 years	+2% (-6%)
Last 3 Years	-44% (-6%)
Last 1 Year	-11% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



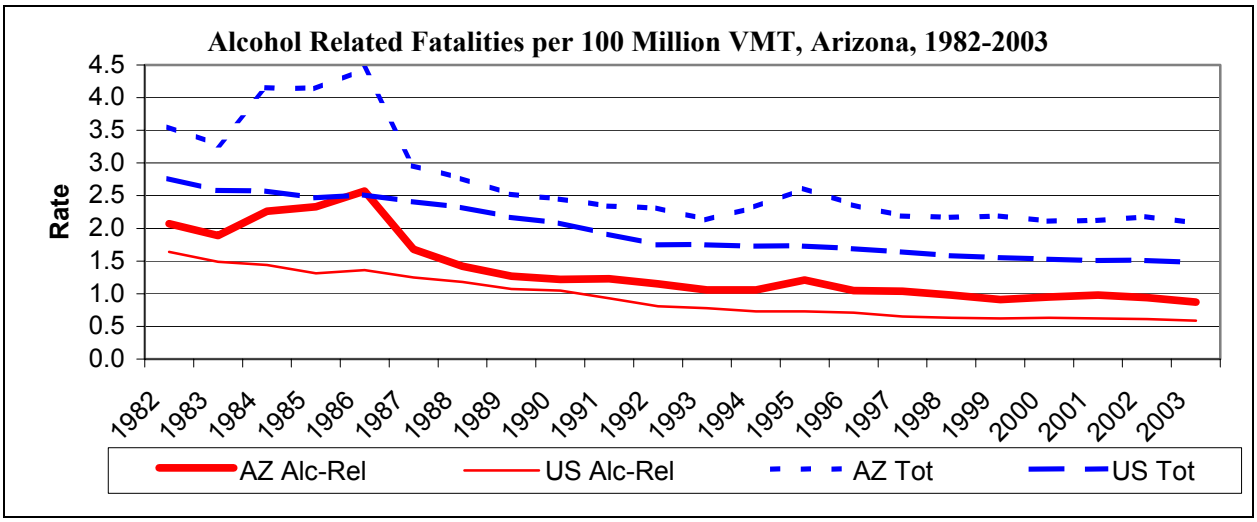
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	724	422	58	376	52	3.55	2.07	1.84
1983	675	388	57	350	52	3.28	1.89	1.70
1984	869	473	54	418	48	4.15	2.26	2.00
1985	893	502	56	444	50	4.14	2.33	2.06
1986	1,007	582	58	511	51	4.44	2.57	2.25
1987	939	532	57	462	49	2.96	1.68	1.46
1988	944	488	52	439	47	2.76	1.42	1.28
1989	879	443	50	390	44	2.52	1.27	1.12
1990	869	434	50	398	46	2.45	1.22	1.12
1991	816	429	53	390	48	2.34	1.23	1.12
1992	809	403	50	359	44	2.31	1.15	1.02
1993	801	400	50	355	44	2.13	1.06	0.94
1994	904	410	45	360	40	2.33	1.06	0.93
1995	1,035	478	46	410	40	2.61	1.21	1.03
1996	994	442	45	386	39	2.36	1.05	0.92
1997	951	451	47	405	43	2.19	1.04	0.93
1998	980	444	45	377	39	2.17	0.98	0.83
1999	1,024	424	41	371	36	2.18	0.90	0.79
2000	1,036	469	45	407	39	2.11	0.95	0.83
2001	1,051	487	46	425	40	2.12	0.98	0.86
2002	1,132	489	43	428	38	2.18	0.94	0.82
2003	1,120	470	42	408	36	2.08	0.87	0.76

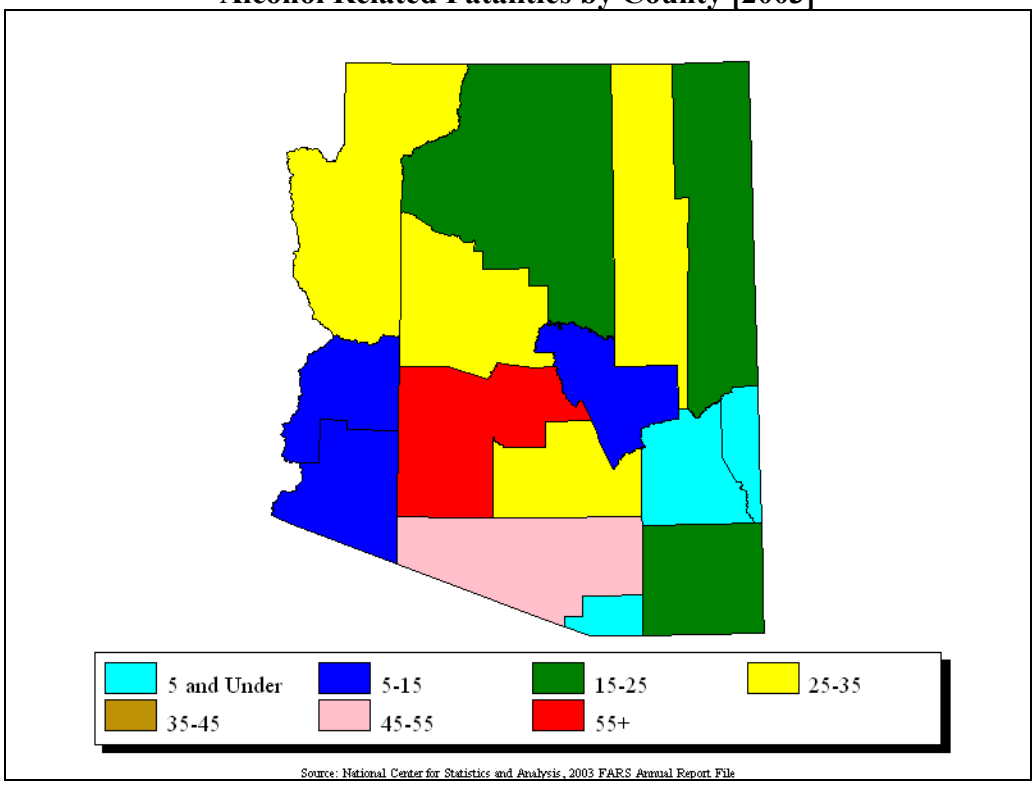
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Arizona vs. US	
Time Period	**Arizona (US)**
1982 to 2003	-58% (-64%)
Last 10 years	-18% (-24%)
Last 5 years	-11% (-6%)
Last 3 Years	-8% (-6%)
Last 1 Year	-7% (-3%)

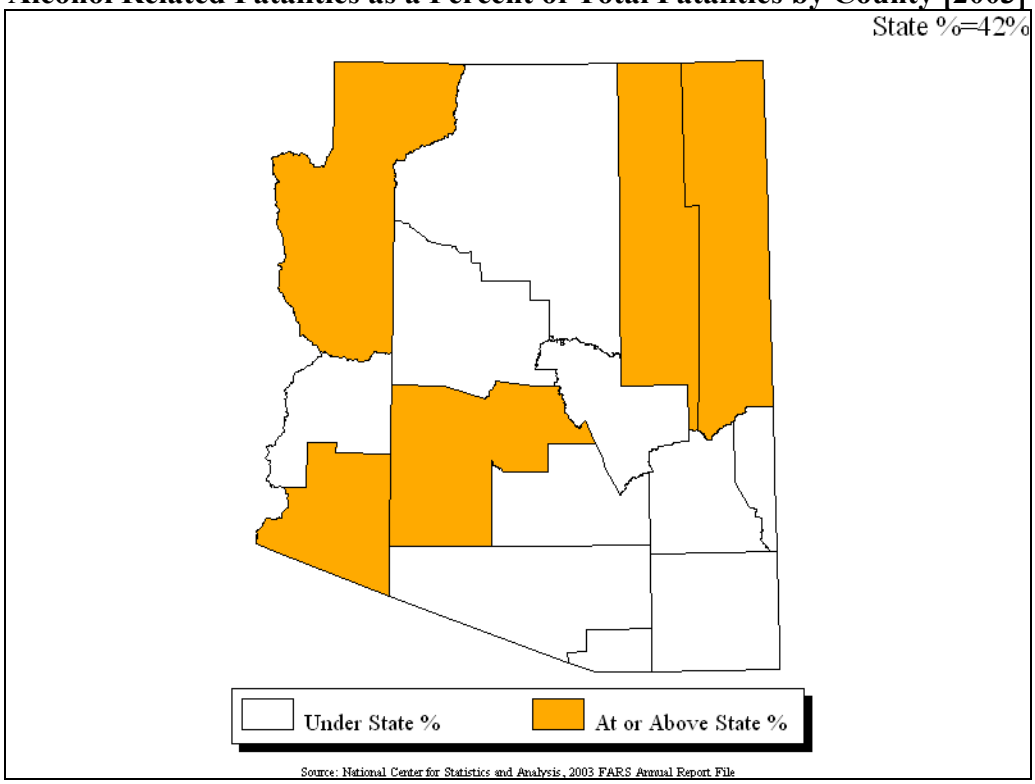
Change in 0.08+ Rates over time, Arizona vs. US	
Time Period	**Arizona (US)**
1982 to 2003	-59% (-65%)
Last 10 years	-19% (-25%)
Last 5 years	-8% (-6%)
Last 3 Years	-8% (-6%)
Last 1 Year	-7% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



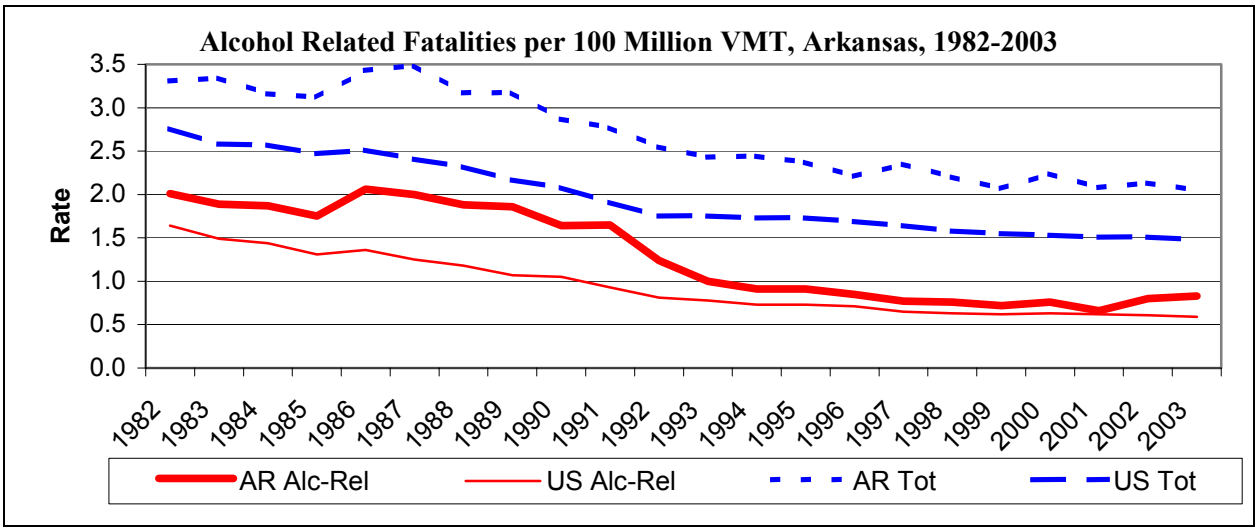
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	550	334	61	304	55	3.31	2.01	1.83
1983	557	315	57	288	52	3.34	1.89	1.73
1984	525	311	59	267	51	3.16	1.87	1.61
1985	534	299	56	268	50	3.12	1.75	1.57
1986	603	361	60	318	53	3.43	2.06	1.81
1987	639	366	57	308	48	3.49	2.00	1.68
1988	610	361	59	317	52	3.17	1.88	1.65
1989	647	380	59	339	52	3.17	1.86	1.66
1990	604	344	57	300	50	2.87	1.64	1.43
1991	608	362	60	305	50	2.77	1.65	1.39
1992	588	286	49	242	41	2.55	1.24	1.05
1993	583	241	41	200	34	2.43	1.00	0.83
1994	609	226	37	183	30	2.44	0.91	0.73
1995	631	243	39	182	29	2.37	0.91	0.68
1996	615	237	39	194	32	2.21	0.85	0.70
1997	660	216	33	178	27	2.35	0.77	0.63
1998	625	216	35	179	29	2.20	0.76	0.63
1999	604	212	35	170	28	2.07	0.72	0.58
2000	652	223	34	175	27	2.24	0.76	0.60
2001	611	195	32	151	25	2.08	0.66	0.51
2002	640	241	38	206	32	2.13	0.80	0.68
2003	627	254	41	203	32	2.05	0.83	0.66

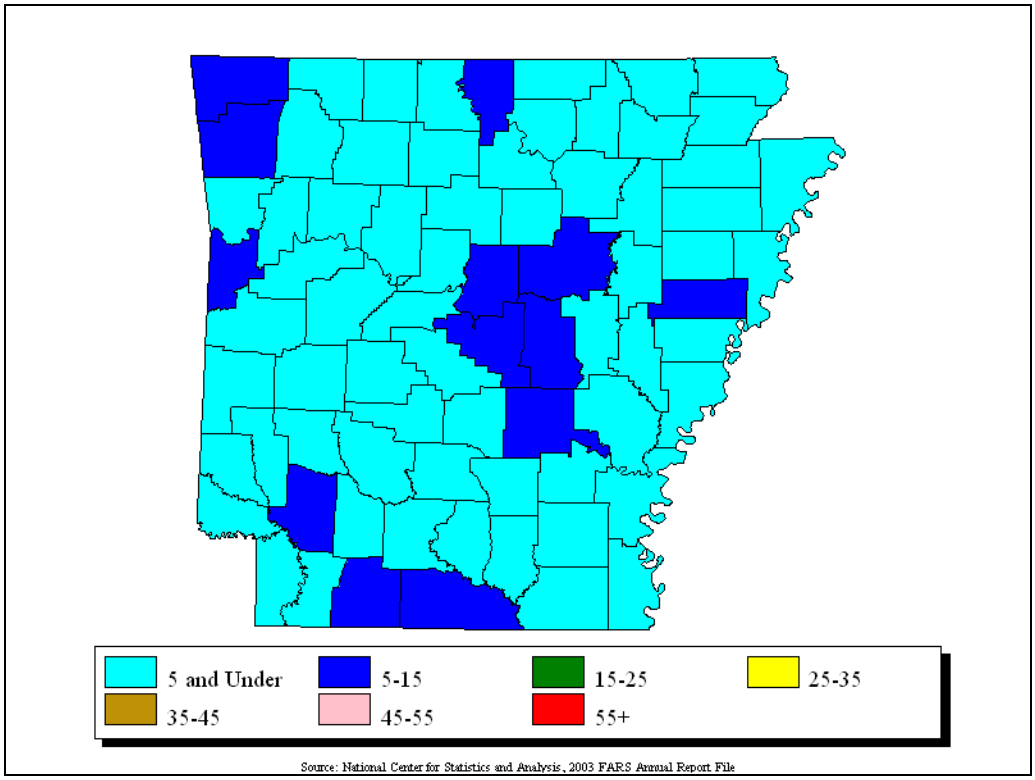
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Arkansas vs. US	
Time Period	**Arkansas (US)**
1982 to 2003	-59% (-64%)
Last 10 years	-17% (-24%)
Last 5 years	+9% (-6%)
Last 3 Years	+9% (-6%)
Last 1 Year	+4% (-3%)

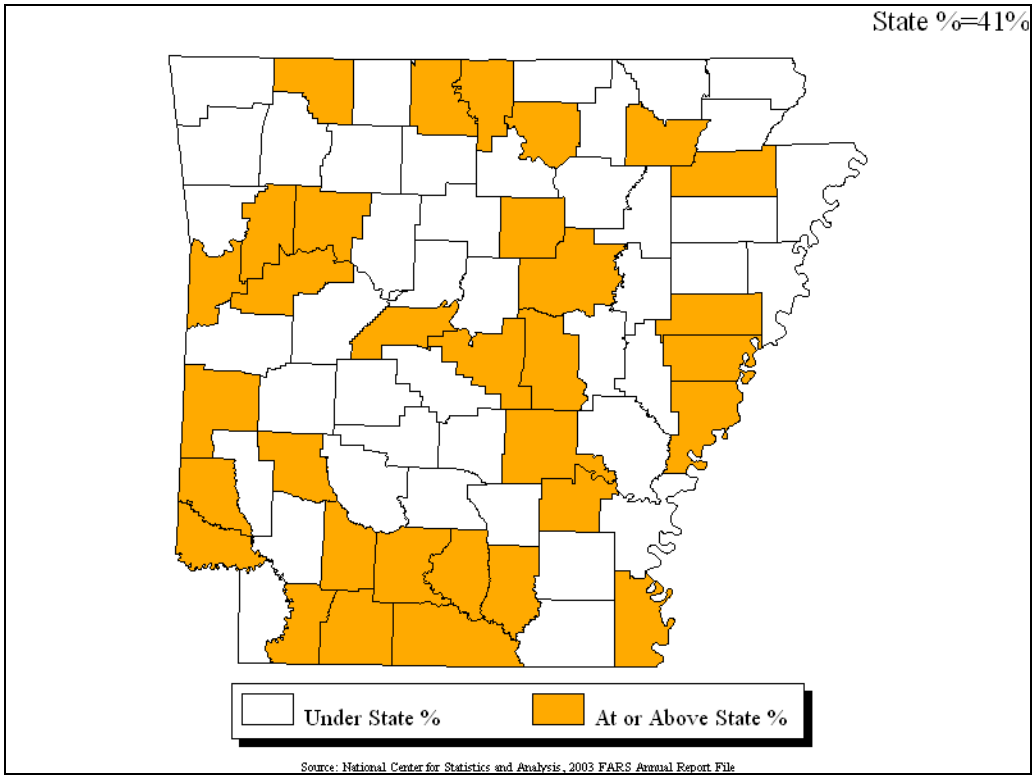
Change in 0.08+ Rates over time, Arkansas vs. US	
Time Period	**Arkansas (US)**
1982 to 2003	-64% (-65%)
Last 10 years	-20% (-25%)
Last 5 years	+5% (-6%)
Last 3 Years	+10% (-6%)
Last 1 Year	-3% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



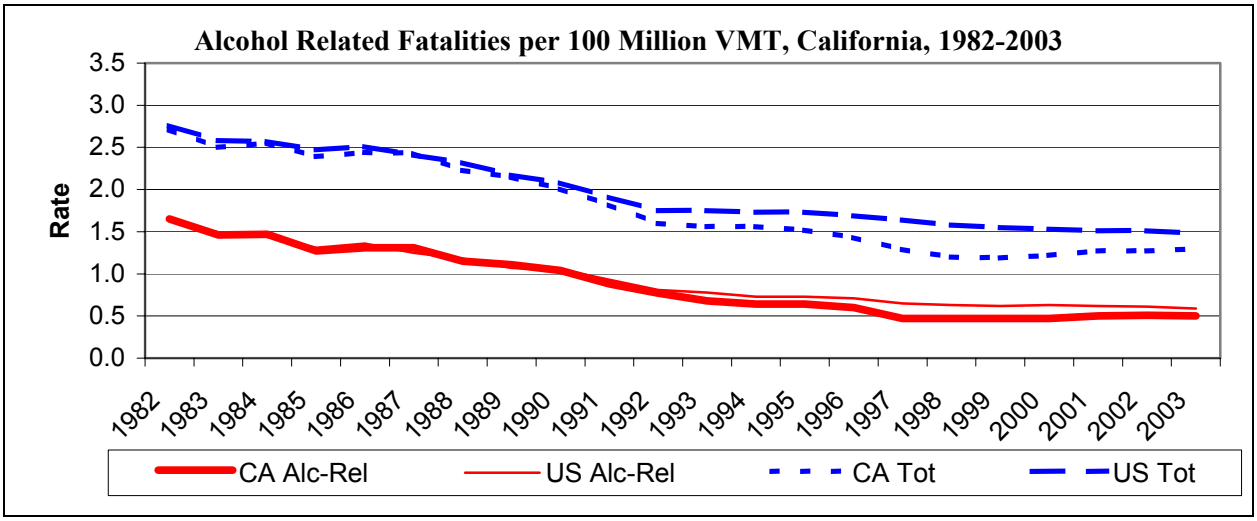
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	4,615	2,799	61	2,484	54	2.71	1.65	1.46
1983	4,573	2,669	58	2,345	51	2.50	1.46	1.28
1984	5,020	2,894	58	2,522	50	2.55	1.47	1.28
1985	4,960	2,633	53	2,262	46	2.39	1.27	1.09
1986	5,253	2,813	54	2,370	45	2.44	1.31	1.10
1987	5,504	2,961	54	2,459	45	2.43	1.31	1.09
1988	5,392	2,773	51	2,354	44	2.23	1.15	0.97
1989	5,412	2,795	52	2,421	45	2.15	1.11	0.96
1990	5,192	2,697	52	2,305	44	2.01	1.04	0.89
1991	4,688	2,263	48	1,946	42	1.82	0.88	0.75
1992	4,192	2,015	48	1,687	40	1.60	0.77	0.64
1993	4,164	1,815	44	1,534	37	1.56	0.68	0.58
1994	4,232	1,743	41	1,468	35	1.56	0.64	0.54
1995	4,192	1,758	42	1,445	34	1.52	0.64	0.52
1996	3,989	1,666	42	1,368	34	1.43	0.60	0.49
1997	3,688	1,348	37	1,113	30	1.32	0.48	0.40
1998	3,494	1,367	39	1,133	32	1.20	0.47	0.39
1999	3,559	1,397	39	1,163	33	1.19	0.47	0.39
2000	3,753	1,450	39	1,199	32	1.22	0.47	0.39
2001	3,956	1,552	39	1,255	32	1.27	0.50	0.40
2002	4,088	1,628	40	1,326	32	1.27	0.51	0.41
2003	4,215	1,626	39	1,378	33	1.30	0.50	0.43

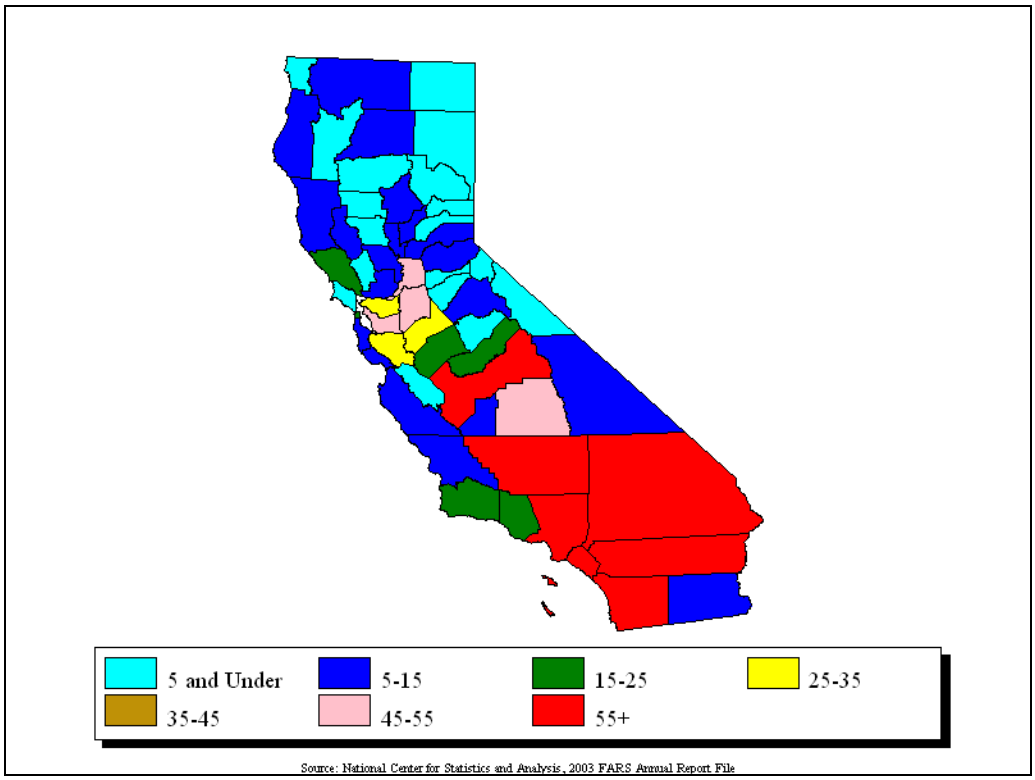
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, California vs. US	
Time Period	**California (US)**
1982 to 2003	-70% (-64%)
Last 10 years	-26% (-24%)
Last 5 years	+6% (-6%)
Last 3 Years	+6% (-6%)
Last 1 Year	-2% (-3%)

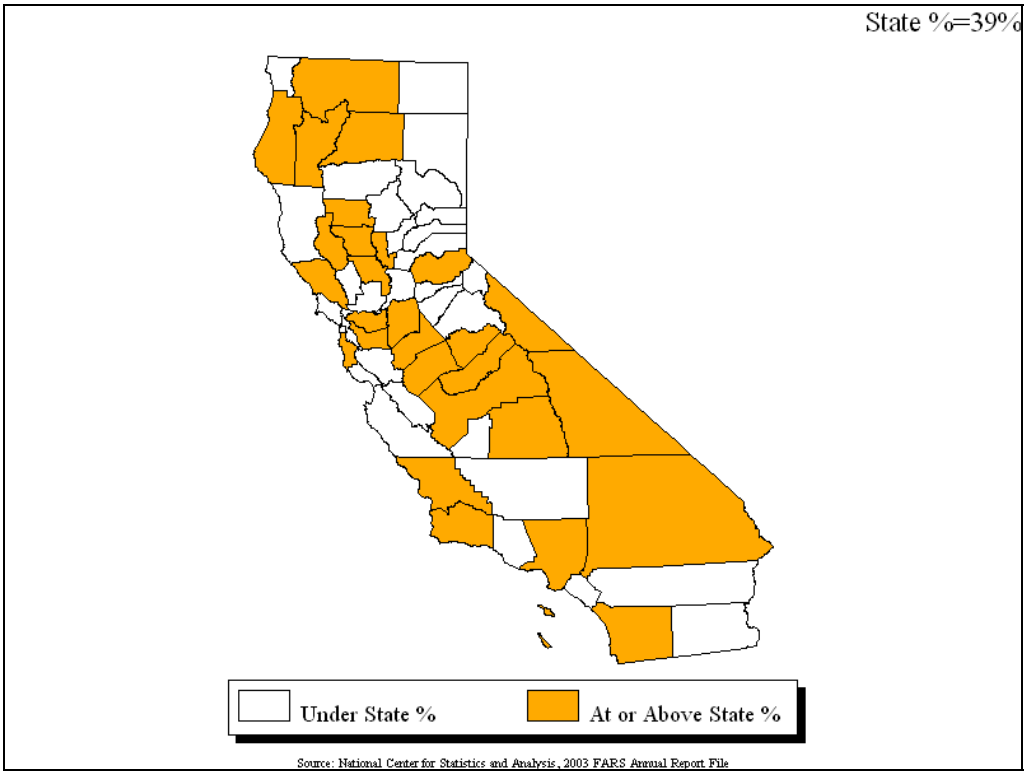
Change in 0.08+ Rates over time, California vs. US	
Time Period	**California (US)**
1982 to 2003	-71% (-65%)
Last 10 years	-26% (-25%)
Last 5 years	+10% (-6%)
Last 3 Years	+10% (-6%)
Last 1 Year	+5% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



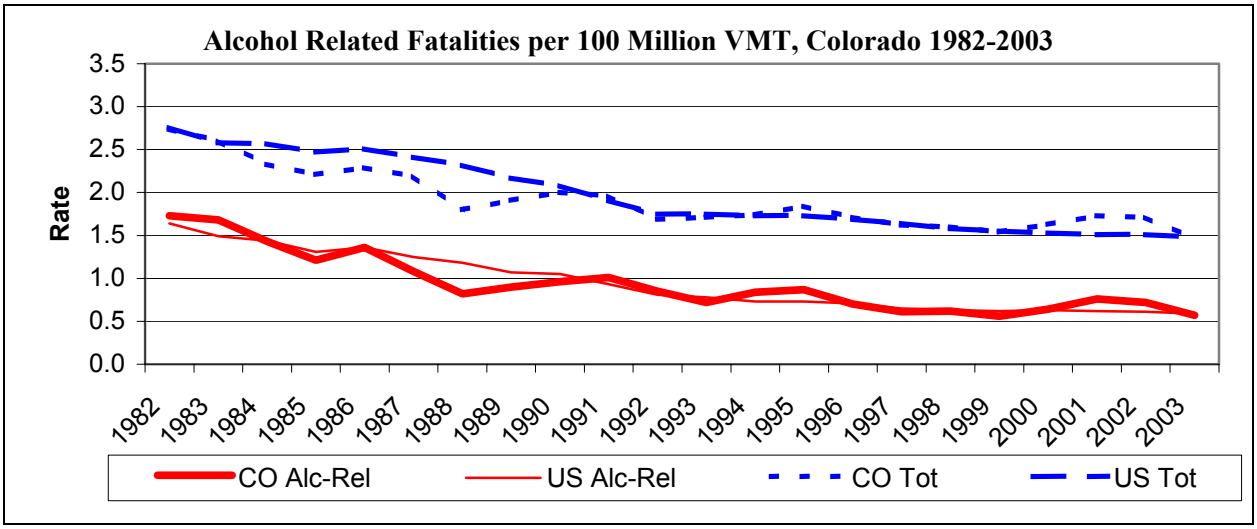
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	668	422	63	374	56	2.74	1.73	1.53
1983	646	418	65	356	55	2.60	1.68	1.43
1984	608	374	61	315	52	2.33	1.43	1.20
1985	579	316	55	279	48	2.21	1.21	1.07
1986	603	360	60	308	51	2.29	1.36	1.17
1987	591	291	49	249	42	2.19	1.08	0.92
1988	497	227	46	195	39	1.80	0.82	0.70
1989	527	247	47	222	42	1.91	0.90	0.81
1990	544	260	48	216	40	2.00	0.96	0.79
1991	543	280	51	245	45	1.96	1.01	0.88
1992	522	263	50	225	43	1.69	0.85	0.73
1993	559	235	42	210	38	1.71	0.72	0.64
1994	586	282	48	237	40	1.74	0.84	0.70
1995	645	304	47	257	40	1.84	0.87	0.73
1996	617	252	41	218	35	1.71	0.70	0.60
1997	613	229	37	197	32	1.62	0.61	0.52
1998	628	244	39	214	34	1.60	0.62	0.54
1999	626	229	37	194	31	1.54	0.56	0.48
2000	681	268	39	225	33	1.63	0.64	0.54
2001	741	328	44	281	38	1.73	0.76	0.65
2002	743	314	42	276	37	1.71	0.72	0.63
2003	632	246	39	221	35	1.46	0.57	0.51

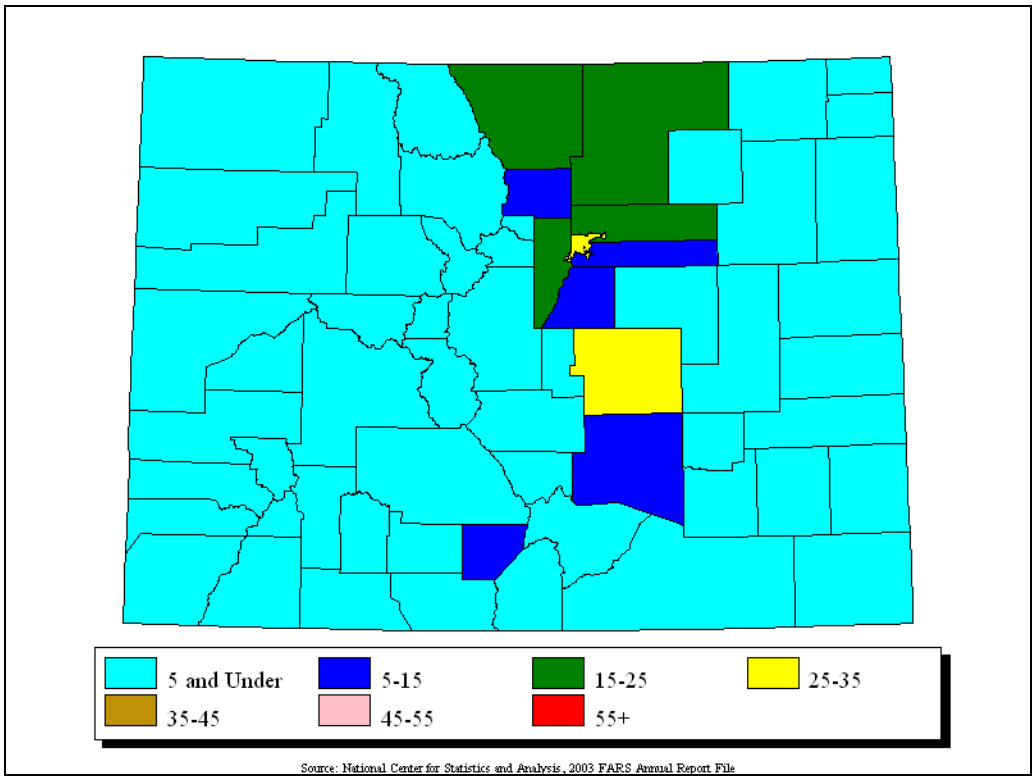
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Colorado vs. US	
Time Period	**Colorado (US)**
1982 to 2003	-67% (-64%)
Last 10 years	-21% (-24%)
Last 5 years	-8% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	-21% (-3%)

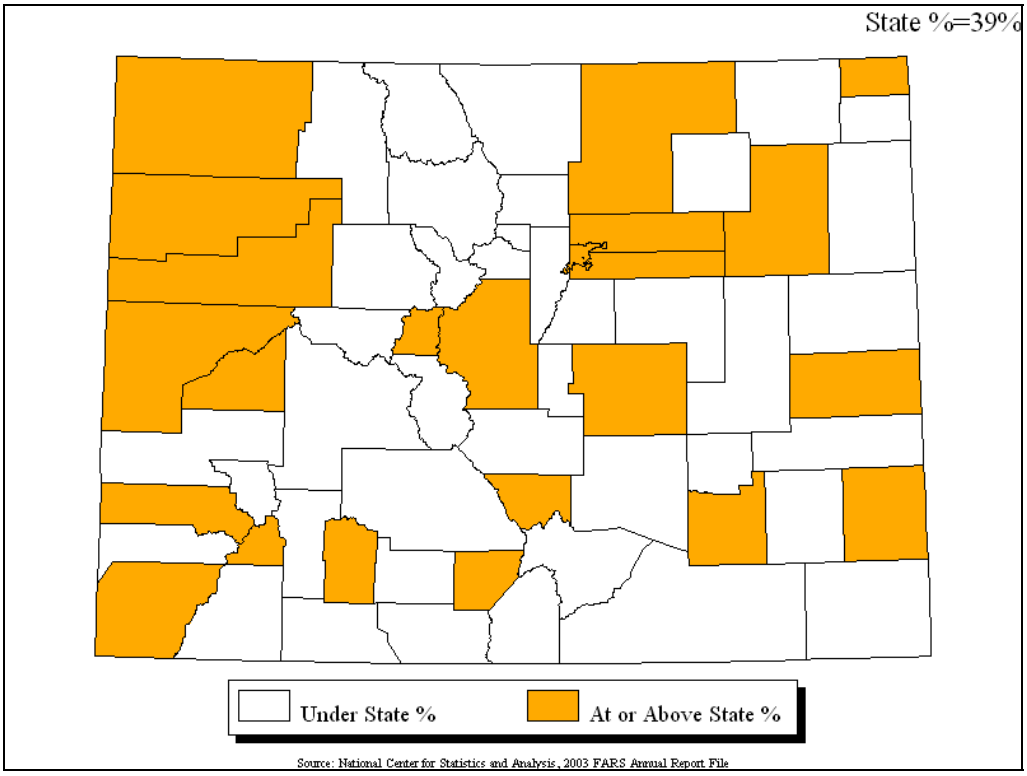
Change in 0.08+ Rates over time, Colorado vs. US	
Time Period	**Colorado (US)**
1982 to 2003	-67% (-65%)
Last 10 years	-20% (-25%)
Last 5 years	-6% (-6%)
Last 3 Years	-6% (-6%)
Last 1 Year	-19% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



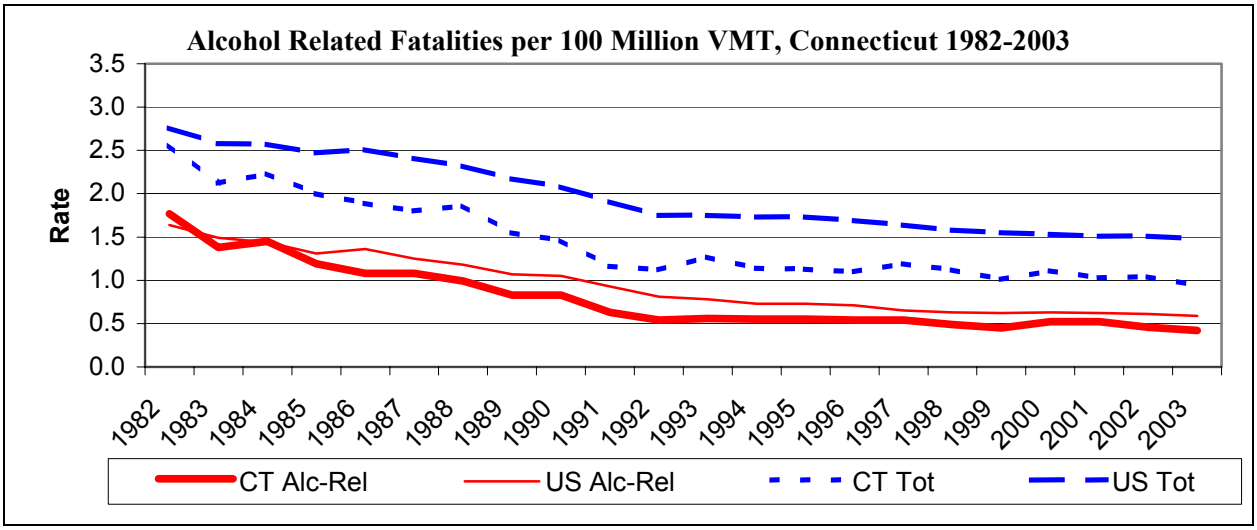
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	515	356	69	320	62	2.56	1.77	1.59
1983	438	284	65	257	59	2.12	1.38	1.25
1984	469	306	65	271	58	2.23	1.45	1.29
1985	448	267	60	236	53	2.00	1.19	1.05
1986	455	261	57	225	49	1.89	1.08	0.93
1987	449	270	60	237	53	1.80	1.08	0.95
1988	484	257	53	223	46	1.86	0.99	0.86
1989	406	217	53	200	49	1.55	0.83	0.76
1990	385	217	56	197	51	1.46	0.83	0.75
1991	310	168	54	142	46	1.16	0.63	0.53
1992	296	144	49	127	43	1.12	0.54	0.48
1993	342	152	44	139	41	1.27	0.56	0.51
1994	310	148	48	128	41	1.14	0.55	0.47
1995	317	153	48	142	45	1.13	0.55	0.51
1996	310	152	49	131	42	1.10	0.54	0.47
1997	339	153	45	133	39	1.19	0.54	0.47
1998	329	144	44	128	39	1.12	0.49	0.44
1999	301	136	45	117	39	1.01	0.45	0.39
2000	341	161	47	140	41	1.11	0.52	0.46
2001	318	161	51	141	44	1.03	0.52	0.46
2002	325	144	44	125	38	1.04	0.46	0.40
2003	294	131	45	114	39	0.94	0.42	0.36

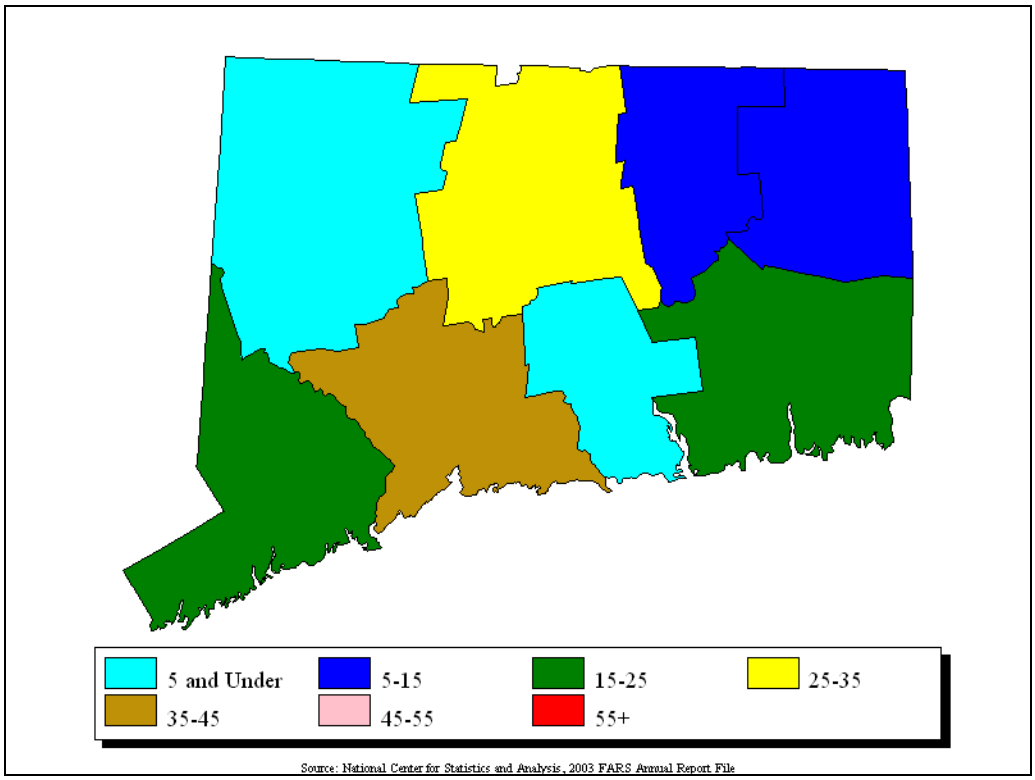
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Connecticut vs. US	
Time Period	**CT (US)**
1982 to 2003	-76% (-64%)
Last 10 years	-25% (-24%)
Last 5 years	-14% (-6%)
Last 3 Years	-19% (-6%)
Last 1 Year	-9% (-3%)

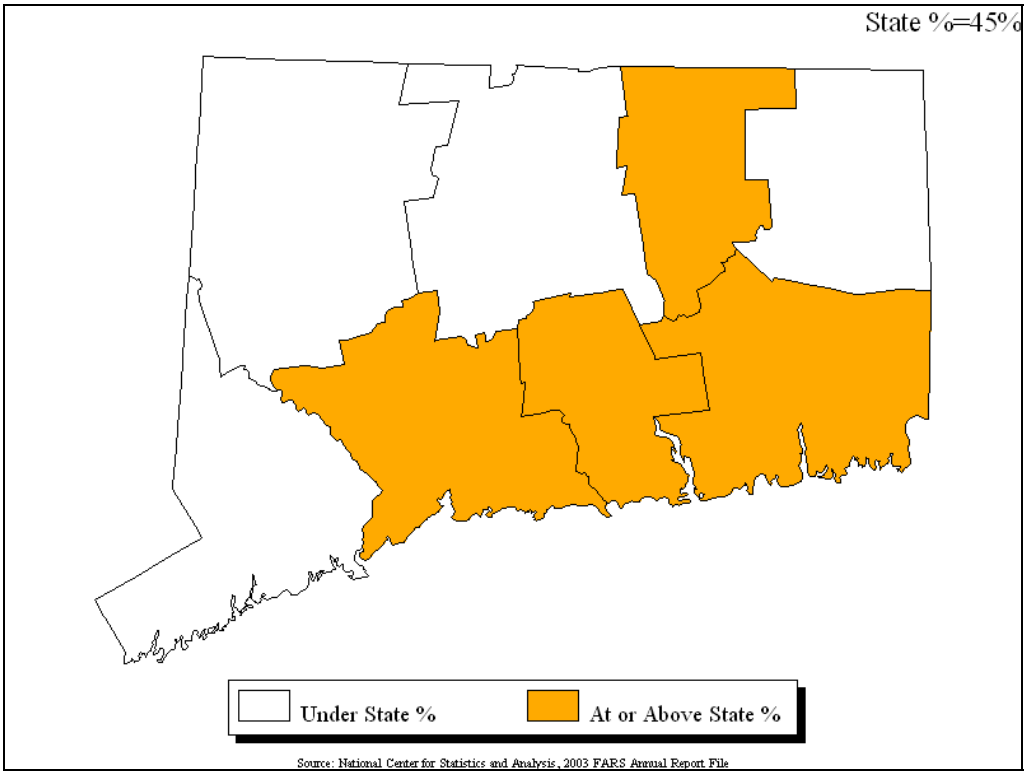
Change in 0.08+ Rates over time, Connecticut vs. US	
Time Period	**CT (US)**
1982 to 2003	-77% (-65%)
Last 10 years	-29% (-25%)
Last 5 years	-18% (-6%)
Last 3 Years	-22% (-6%)
Last 1 Year	-10% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



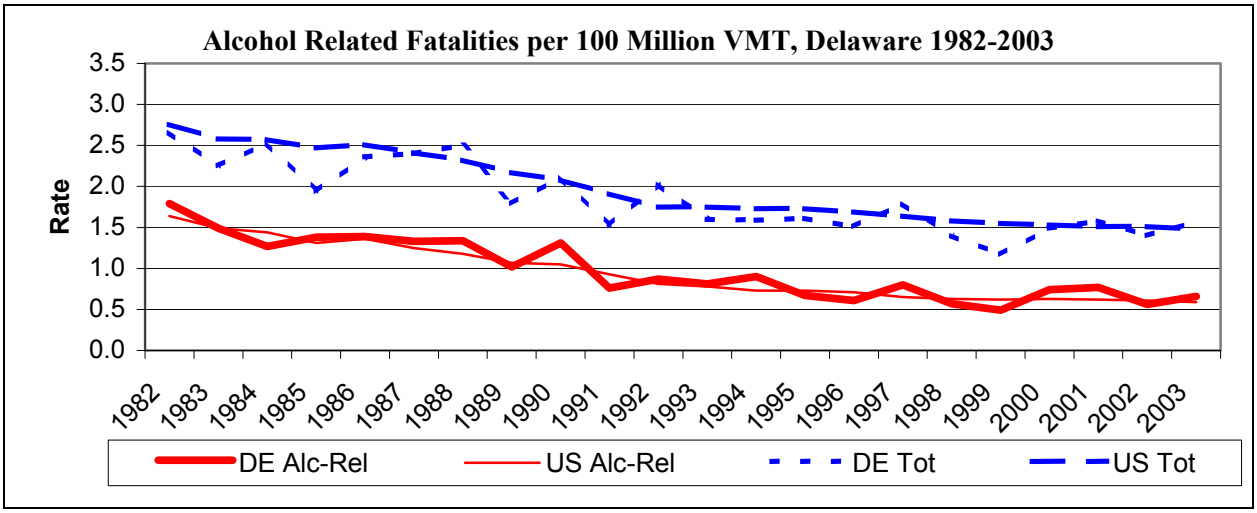
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	122	82	67	74	60	2.66	1.79	1.61
1983	110	73	67	62	56	2.25	1.49	1.27
1984	130	65	50	52	40	2.53	1.27	1.01
1985	104	74	71	64	61	1.94	1.38	1.19
1986	136	80	58	67	50	2.36	1.39	1.16
1987	146	81	55	68	47	2.40	1.33	1.12
1988	160	86	54	70	44	2.50	1.34	1.09
1989	116	66	57	61	52	1.79	1.02	0.94
1990	138	86	62	73	53	2.11	1.31	1.11
1991	102	51	50	47	46	1.52	0.76	0.70
1992	140	60	43	53	38	2.03	0.87	0.77
1993	110	56	51	48	44	1.60	0.81	0.70
1994	112	63	56	53	47	1.59	0.90	0.75
1995	121	50	41	41	34	1.61	0.67	0.55
1996	116	47	40	36	31	1.51	0.61	0.47
1997	143	64	45	49	34	1.79	0.80	0.61
1998	115	47	40	42	36	1.40	0.57	0.51
1999	100	42	42	36	36	1.18	0.50	0.42
2000	123	61	50	53	43	1.49	0.74	0.64
2001	136	66	48	57	42	1.58	0.77	0.66
2002	124	50	40	42	34	1.40	0.56	0.47
2003	142	60	42	51	36	1.57	0.66	0.56

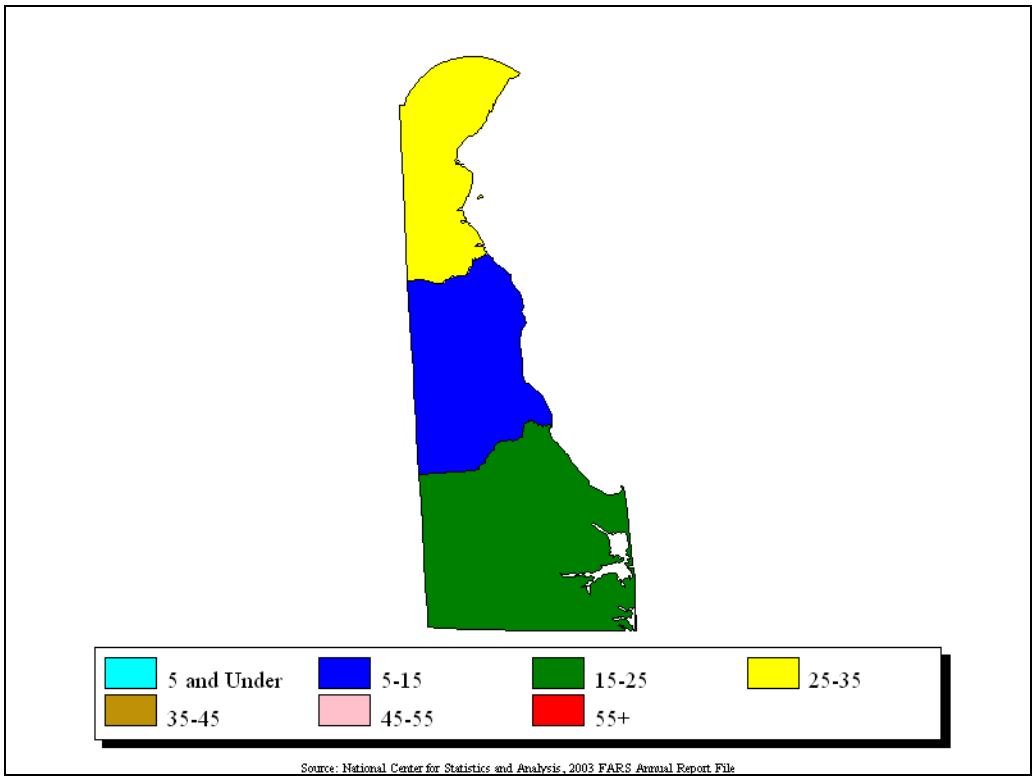
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, Delaware vs. US	
Time Period	**DE (US)**
1982 to 2003	-63% (-64%)
Last 10 years	-19% (-24%)
Last 5 years	+16% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	+18% (-3%)

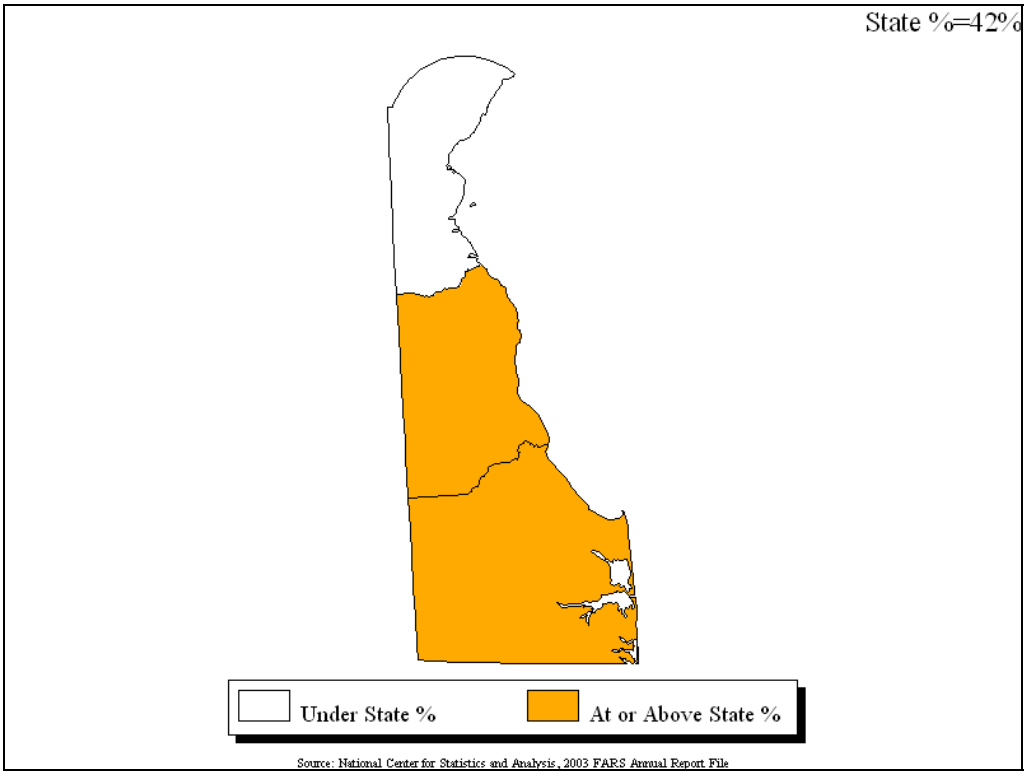
Change in 0.08+ Rates over time, Delaware vs. US	
Time Period	**DE (US)**
1982 to 2003	-65% (-65%)
Last 10 years	-20% (-25%)
Last 5 years	+10% (-6%)
Last 3 Years	-13% (-6%)
Last 1 Year	+19% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]

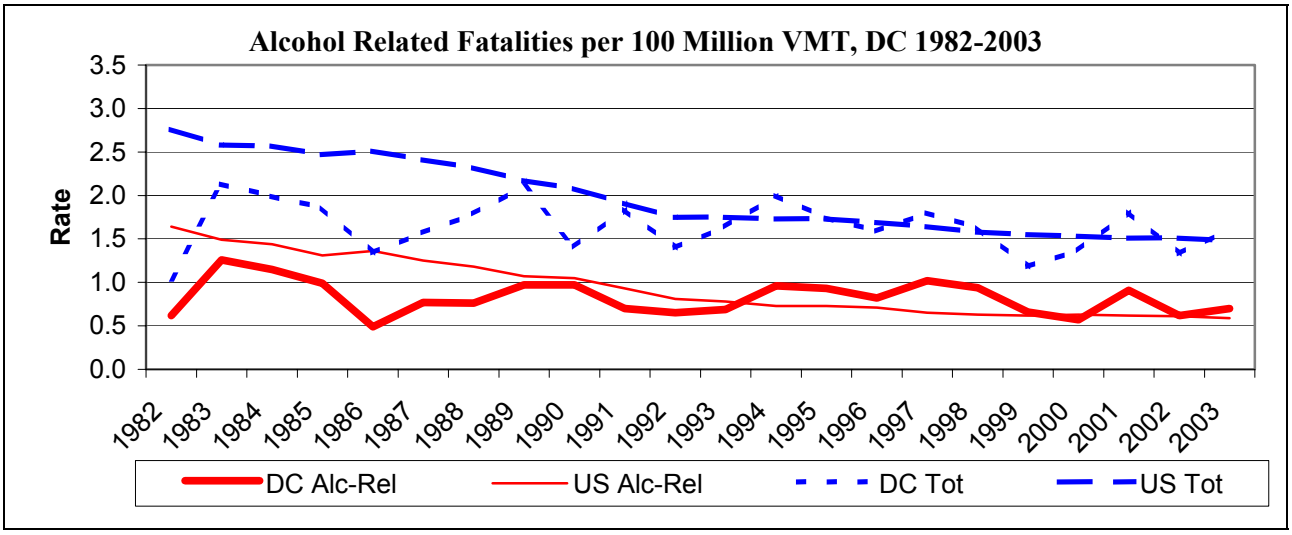


Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	35	21	61	17	49	1.04	0.62	0.50
1983	66	39	59	35	53	2.13	1.26	1.13
1984	64	37	58	37	58	1.99	1.15	1.15
1985	60	32	53	30	50	1.86	0.99	0.93
1986	44	16	35	13	29	1.34	0.49	0.40
1987	53	26	49	19	35	1.57	0.77	0.56
1988	61	26	42	22	36	1.79	0.76	0.65
1989	72	33	46	28	39	2.11	0.97	0.82
1990	48	33	68	24	50	1.41	0.97	0.70
1991	63	24	37	20	32	1.84	0.70	0.58
1992	50	23	46	20	39	1.40	0.65	0.56
1993	57	24	41	20	35	1.64	0.69	0.57
1994	69	33	48	30	43	2.00	0.96	0.87
1995	58	31	53	28	49	1.67	0.89	0.81
1996	62	32	51	29	46	1.59	0.82	0.75
1997	60	34	57	31	52	1.80	1.02	0.93
1998	54	31	57	25	47	1.63	0.94	0.76
1999	41	23	57	20	49	1.18	0.66	0.58
2000	48	20	42	18	37	1.37	0.57	0.51
2001	68	34	50	27	40	1.81	0.91	0.72
2002	47	24	51	22	48	1.33	0.68	0.62
2003	67	34	50	29	44	1.61	0.82	0.70

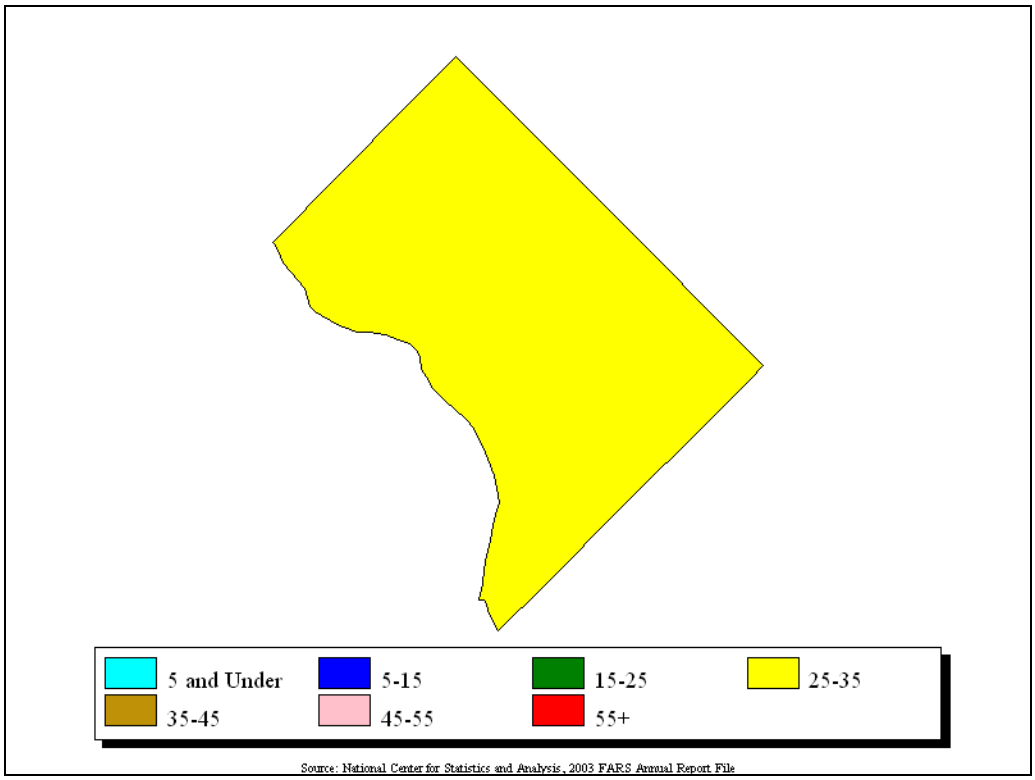
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, DC vs. US	
Time Period	**DC (US)**
1982 to 2003	+32% (-64%)
Last 10 years	+19% (-24%)
Last 5 years	-13% (-6%)
Last 3 Years	+44% (-6%)
Last 1 Year	+21% (-3%)

Change in 0.08+ Rates over time, DC vs. US	
Time Period	**DC (US)**
1982 to 2003	+40% (-65%)
Last 10 years	+23% (-25%)
Last 5 years	-8% (-6%)
Last 3 Years	+37% (-6%)
Last 1 Year	+13% (-4%)



Alcohol Related Fatalities by County [2003]



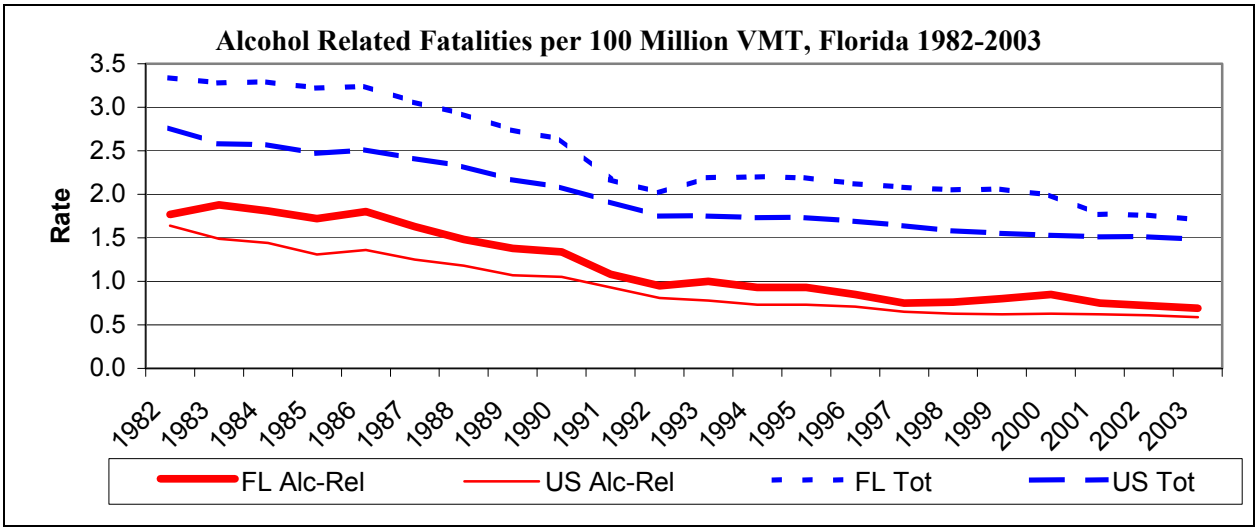
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	2,653	1,407	53	1,240	47	3.34	1.77	1.56
1983	2,686	1,539	57	1,397	52	3.28	1.88	1.71
1984	2,814	1,551	55	1,370	49	3.29	1.81	1.60
1985	2,832	1,518	54	1,271	45	3.22	1.72	1.44
1986	2,831	1,574	56	1,359	48	3.24	1.80	1.55
1987	2,839	1,516	53	1,320	47	3.06	1.63	1.42
1988	3,078	1,564	51	1,352	44	2.92	1.48	1.28
1989	2,984	1,506	50	1,305	44	2.74	1.38	1.20
1990	2,891	1,477	51	1,297	45	2.63	1.34	1.18
1991	2,463	1,227	50	1,084	44	2.17	1.08	0.96
1992	2,427	1,143	47	993	41	2.02	0.95	0.83
1993	2,636	1,210	46	1,072	41	2.19	1.00	0.89
1994	2,687	1,137	42	997	37	2.20	0.93	0.82
1995	2,805	1,183	42	1,014	36	2.19	0.93	0.79
1996	2,753	1,104	40	948	34	2.12	0.85	0.73
1997	2,785	1,003	36	886	32	2.08	0.75	0.66
1998	2,825	1,039	37	884	31	2.05	0.76	0.64
1999	2,920	1,139	39	984	34	2.06	0.80	0.69
2000	2,999	1,277	43	1,086	36	1.99	0.85	0.72
2001	3,012	1,281	43	1,102	37	1.77	0.75	0.65
2002	3,136	1,279	41	1,107	35	1.76	0.72	0.62
2003	3,169	1,274	40	1,089	34	1.71	0.69	0.59

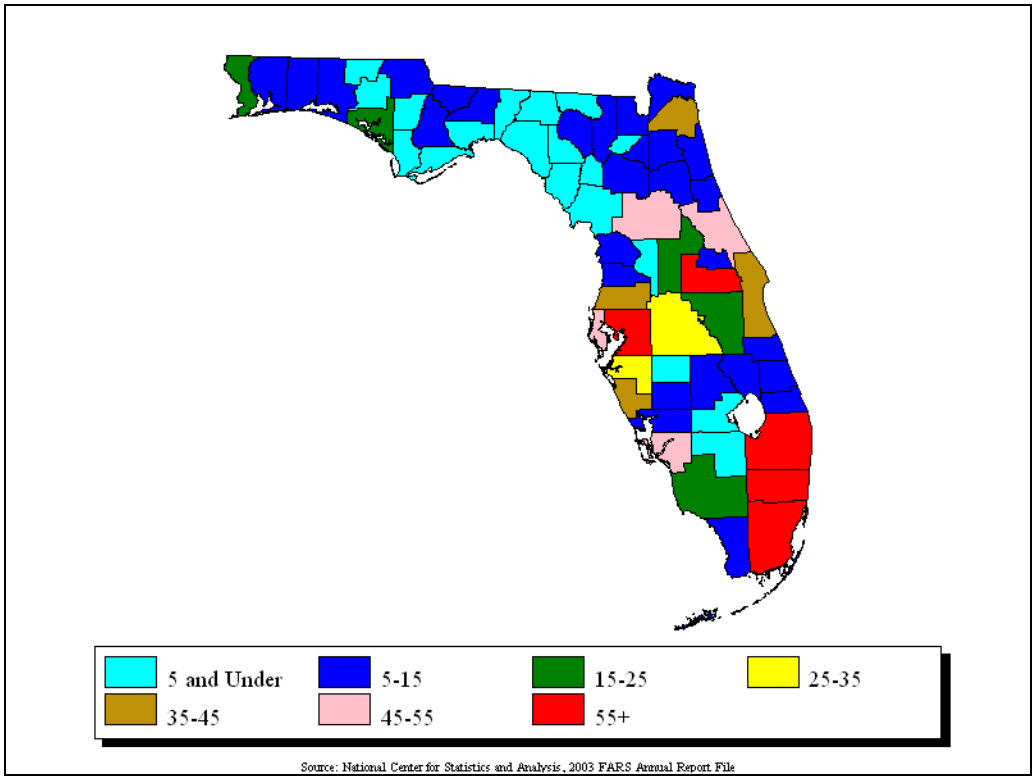
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, FL vs. US	
Time Period	**FL (US)**
1982 to 2003	-61% (-64%)
Last 10 years	-31% (-24%)
Last 5 years	-9% (-6%)
Last 3 Years	-19% (-6%)
Last 1 Year	-4% (-3%)

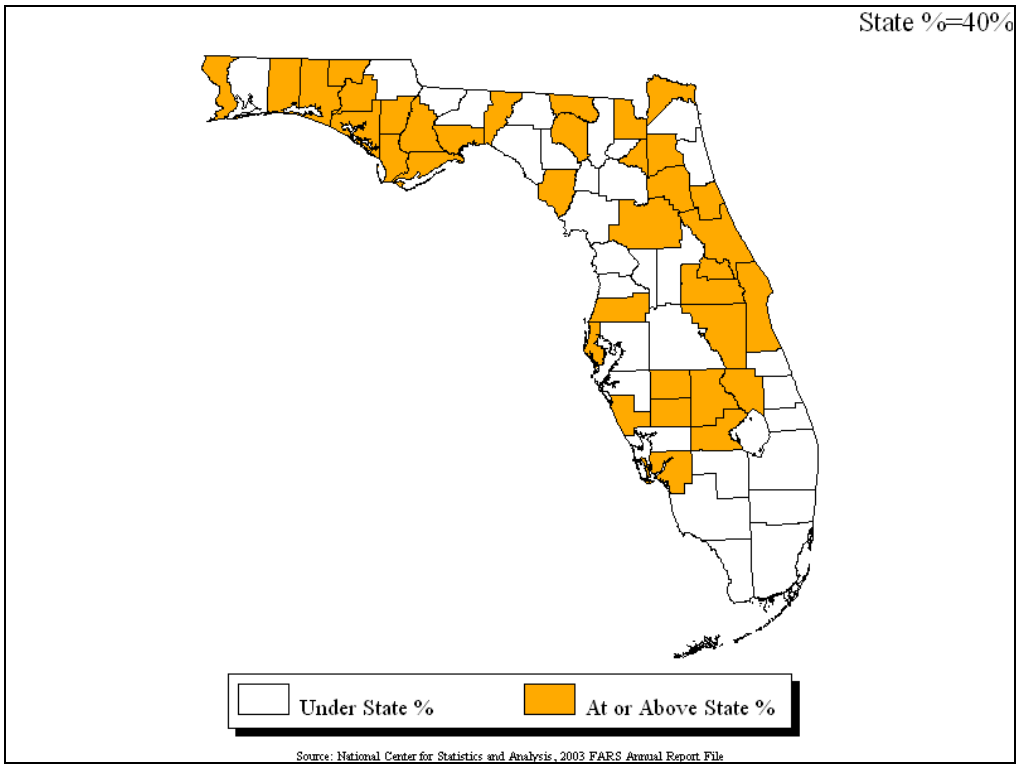
Change in 0.08+ Rates over time, FL vs. US	
Time Period	**FL (US)**
1982 to 2003	-62% (-65%)
Last 10 years	-34% (-25%)
Last 5 years	-8% (-6%)
Last 3 Years	-18% (-6%)
Last 1 Year	-5% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



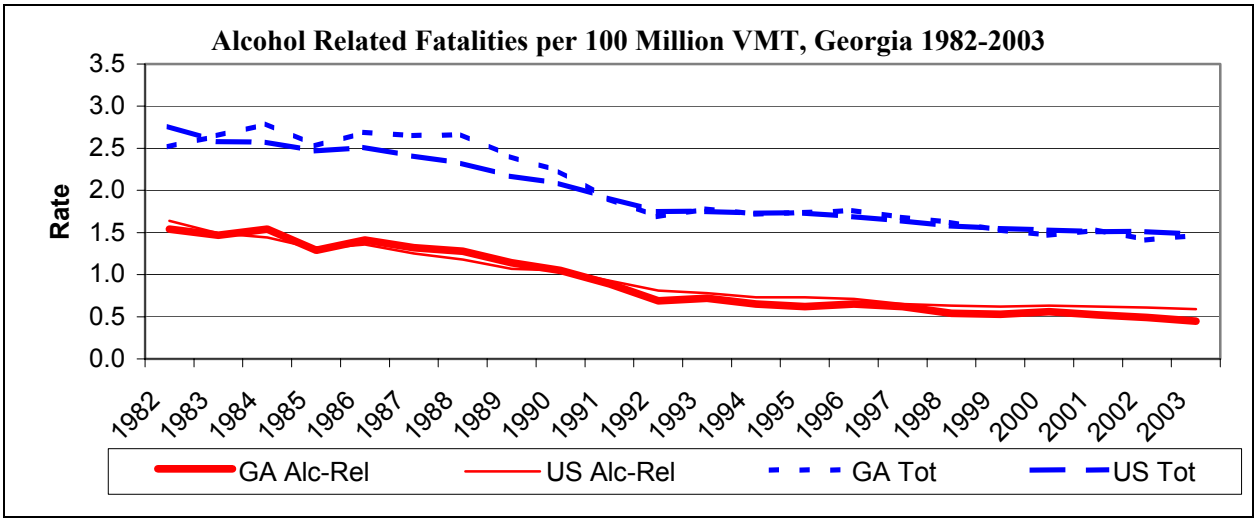
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,229	750	61	651	53	2.52	1.54	1.33
1983	1,296	716	55	603	47	2.65	1.47	1.23
1984	1,410	780	55	658	47	2.79	1.54	1.30
1985	1,361	694	51	587	43	2.53	1.29	1.09
1986	1,530	803	52	682	45	2.69	1.41	1.20
1987	1,599	798	50	679	42	2.65	1.32	1.13
1988	1,654	797	48	688	42	2.66	1.28	1.11
1989	1,632	779	48	691	42	2.40	1.14	1.02
1990	1,562	735	47	637	41	2.22	1.05	0.91
1991	1,389	648	47	549	40	1.90	0.89	0.75
1992	1,315	537	41	469	36	1.69	0.69	0.60
1993	1,394	561	40	481	34	1.78	0.72	0.61
1994	1,425	540	38	441	31	1.72	0.65	0.53
1995	1,488	531	36	455	31	1.74	0.62	0.53
1996	1,573	577	37	482	31	1.76	0.65	0.54
1997	1,577	586	37	478	30	1.69	0.63	0.51
1998	1,568	528	34	432	28	1.63	0.55	0.45
1999	1,508	524	35	445	29	1.52	0.53	0.45
2000	1,541	585	38	490	32	1.47	0.56	0.47
2001	1,647	558	34	473	29	1.53	0.52	0.44
2002	1,524	533	35	445	29	1.41	0.49	0.41
2003	1,603	488	30	420	26	1.47	0.45	0.38

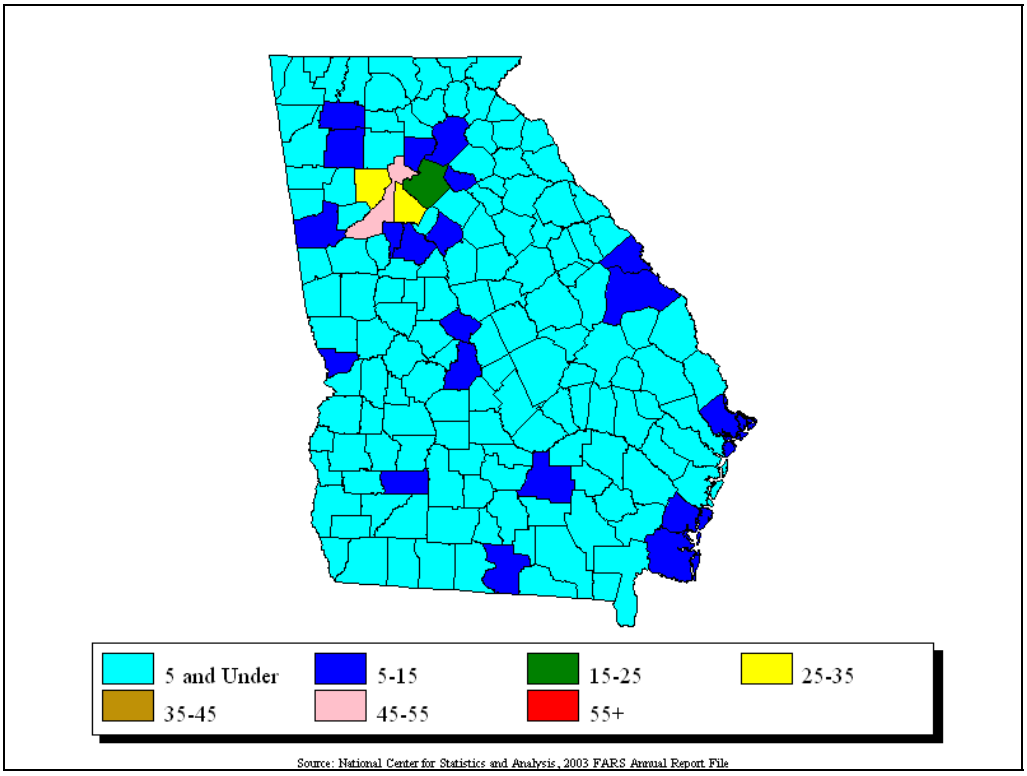
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, GA vs. US	
Time Period	**GA (US)**
1982 to 2003	-71% (-64%)
Last 10 years	-38% (-24%)
Last 5 years	-18% (-6%)
Last 3 Years	-20% (-6%)
Last 1 Year	-8% (-3%)

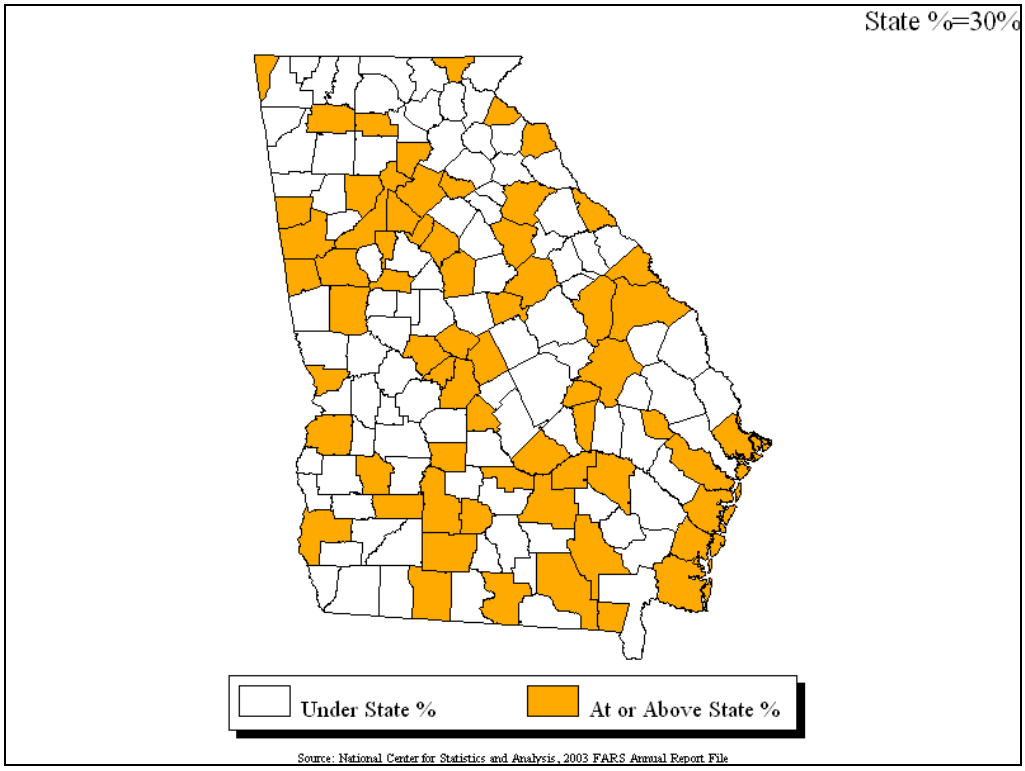
Change in 0.08+ Rates over time, GA vs. US	
Time Period	**GA (US)**
1982 to 2003	-71% (-65%)
Last 10 years	-38% (-25%)
Last 5 years	-16% (-6%)
Last 3 Years	-19% (-6%)
Last 1 Year	-7% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



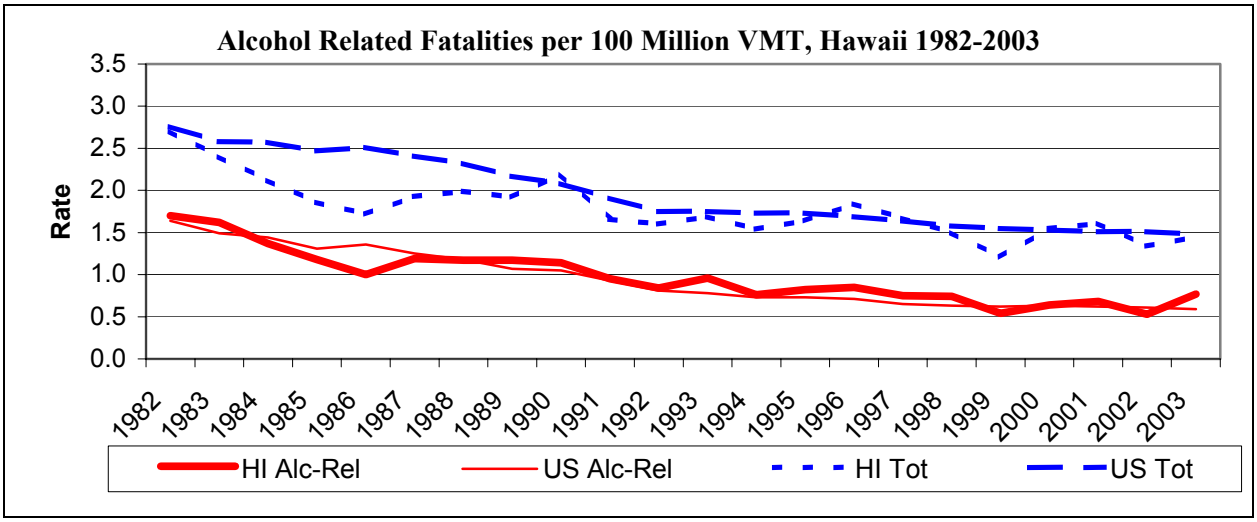
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	163	103	63	94	58	2.70	1.70	1.55
1983	141	95	67	88	62	2.40	1.62	1.50
1984	138	89	65	80	58	2.12	1.37	1.23
1985	126	80	63	69	55	1.86	1.18	1.02
1986	120	70	58	58	49	1.72	1.00	0.83
1987	139	86	62	77	55	1.93	1.19	1.07
1988	148	87	59	78	53	1.99	1.17	1.05
1989	149	91	61	76	51	1.92	1.17	0.98
1990	177	92	52	73	41	2.19	1.14	0.91
1991	135	77	57	69	51	1.66	0.95	0.85
1992	129	68	53	62	48	1.60	0.84	0.77
1993	134	76	57	60	45	1.69	0.96	0.76
1994	122	60	49	51	42	1.54	0.76	0.64
1995	130	65	50	47	36	1.64	0.82	0.59
1996	148	68	46	52	35	1.84	0.85	0.65
1997	131	59	45	51	39	1.65	0.74	0.64
1998	120	59	49	47	39	1.50	0.74	0.59
1999	98	44	45	34	35	1.21	0.54	0.42
2000	132	55	42	44	33	1.55	0.64	0.52
2001	140	59	42	50	36	1.61	0.68	0.58
2002	119	47	39	39	33	1.34	0.53	0.44
2003	135	72	53	54	40	1.45	0.77	0.58

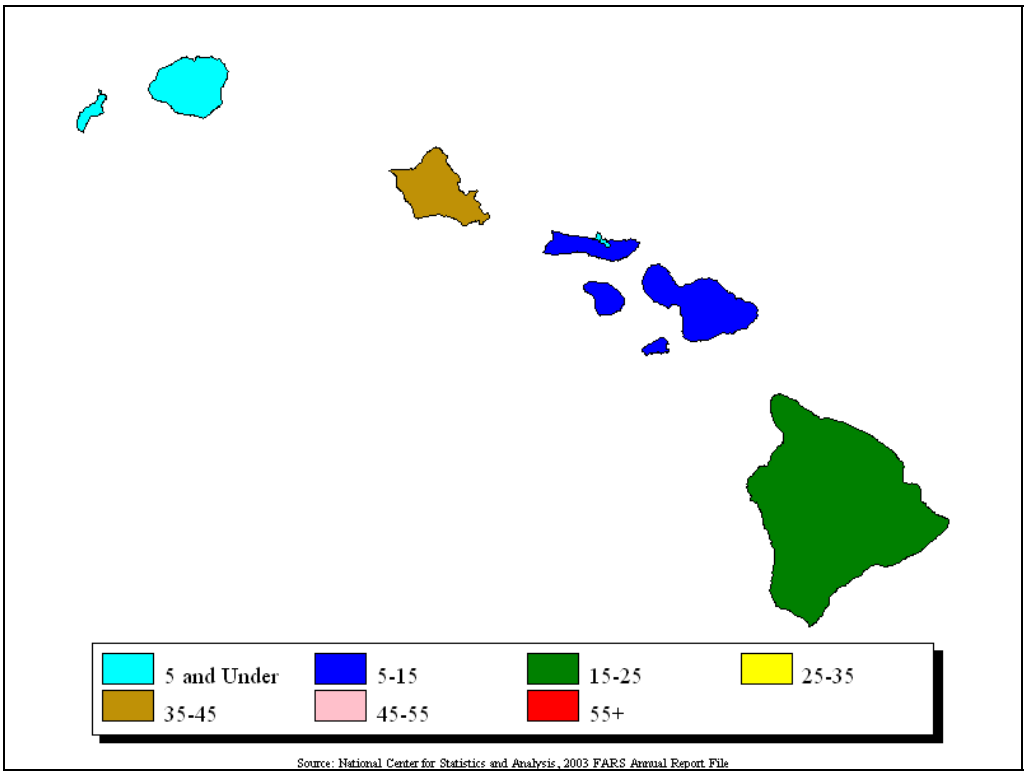
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, HI vs. US	
Time Period	**HI (US)**
1982 to 2003	-55% (-64%)
Last 10 years	-20% (-24%)
Last 5 years	+4% (-6%)
Last 3 Years	+20% (-6%)
Last 1 Year	+45% (-3%)

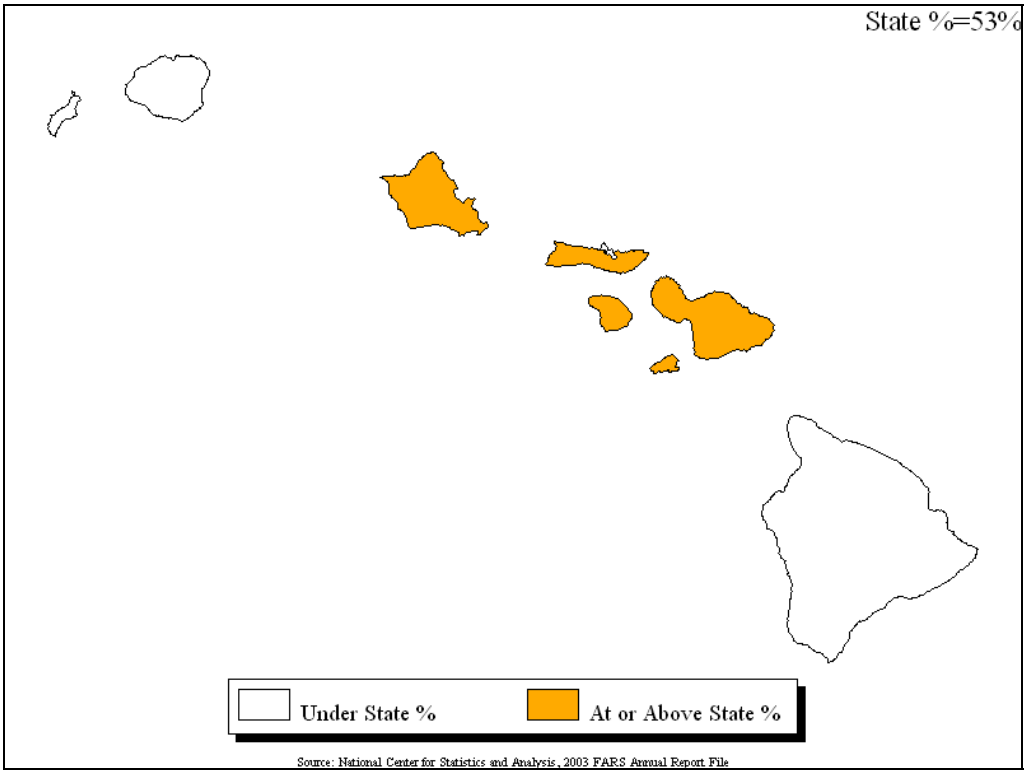
Change in 0.08+ Rates over time, HI vs. US	
Time Period	**HI (US)**
1982 to 2003	-63% (-65%)
Last 10 years	-24% (-25%)
Last 5 years	-2% (-6%)
Last 3 Years	+12% (-6%)
Last 1 Year	+32% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



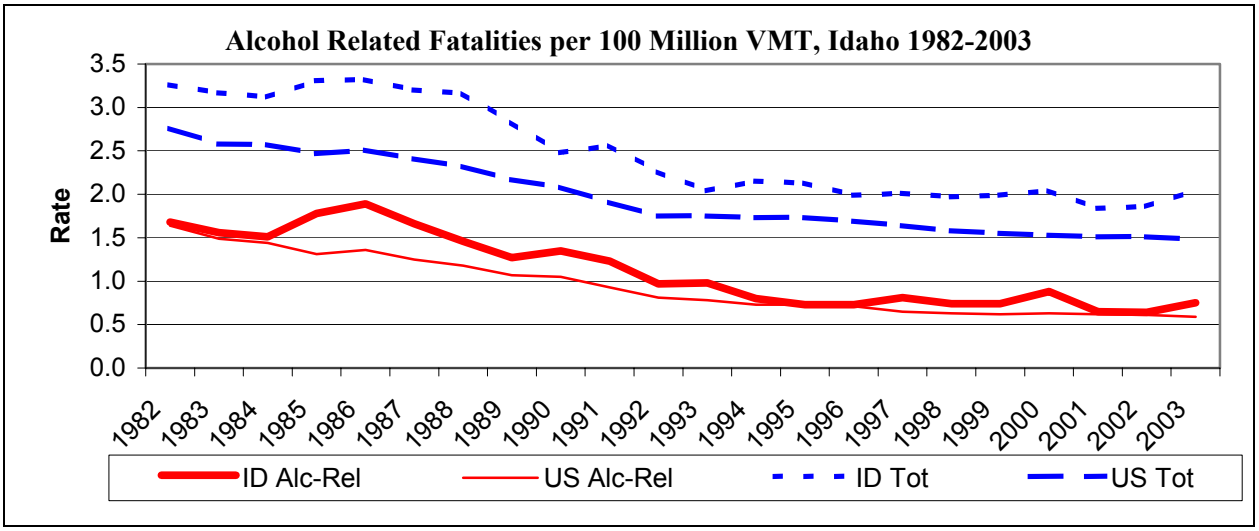
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	256	132	51	110	43	3.26	1.68	1.40
1983	263	129	49	113	43	3.17	1.56	1.36
1984	242	117	48	100	41	3.12	1.51	1.29
1985	255	137	54	116	45	3.31	1.78	1.50
1986	258	147	57	119	46	3.32	1.89	1.53
1987	260	135	52	121	46	3.20	1.66	1.49
1988	257	119	46	99	38	3.16	1.46	1.22
1989	238	107	45	93	39	2.83	1.27	1.10
1990	244	133	55	113	46	2.48	1.35	1.15
1991	264	127	48	112	43	2.56	1.23	1.09
1992	243	104	43	93	38	2.26	0.97	0.86
1993	230	111	48	101	44	2.04	0.98	0.89
1994	250	93	37	84	34	2.15	0.80	0.72
1995	262	90	35	79	30	2.13	0.73	0.64
1996	258	94	36	81	31	1.99	0.73	0.62
1997	259	104	40	90	35	2.01	0.81	0.70
1998	265	100	38	86	33	1.97	0.74	0.64
1999	278	104	37	89	32	1.99	0.74	0.64
2000	276	119	43	90	33	2.04	0.88	0.66
2001	259	91	35	79	31	1.84	0.65	0.56
2002	264	91	34	75	28	1.86	0.64	0.53
2003	293	107	37	90	31	2.05	0.75	0.63

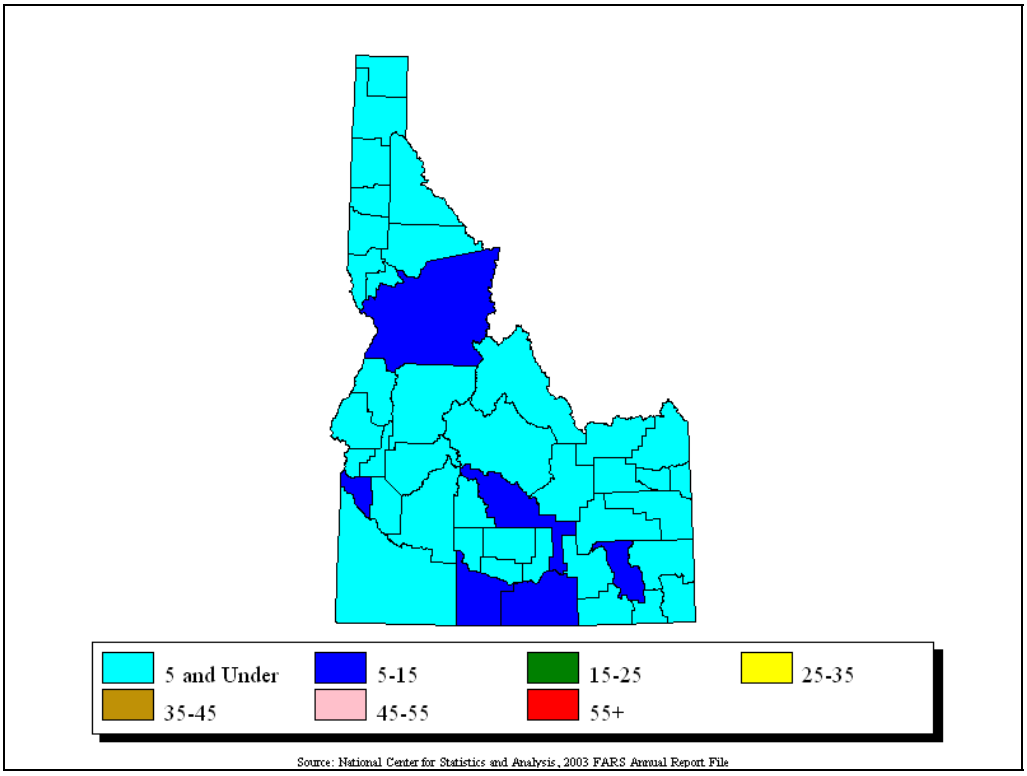
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, ID vs. US	
Time Period	**ID (US)**
1982 to 2003	-55% (-64%)
Last 10 years	-23% (-24%)
Last 5 years	+1% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	+17% (-3%)

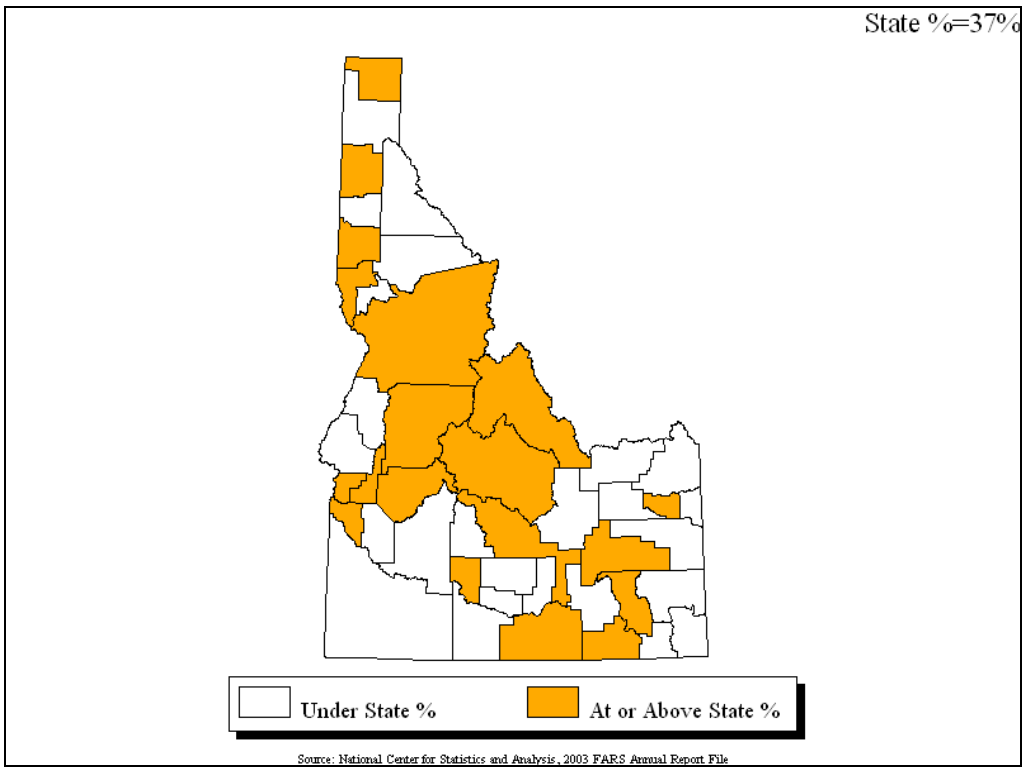
Change in 0.08+ Rates over time, ID vs. US	
Time Period	**ID (US)**
1982 to 2003	-55% (-65%)
Last 10 years	-29% (-25%)
Last 5 years	-2% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	+19% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



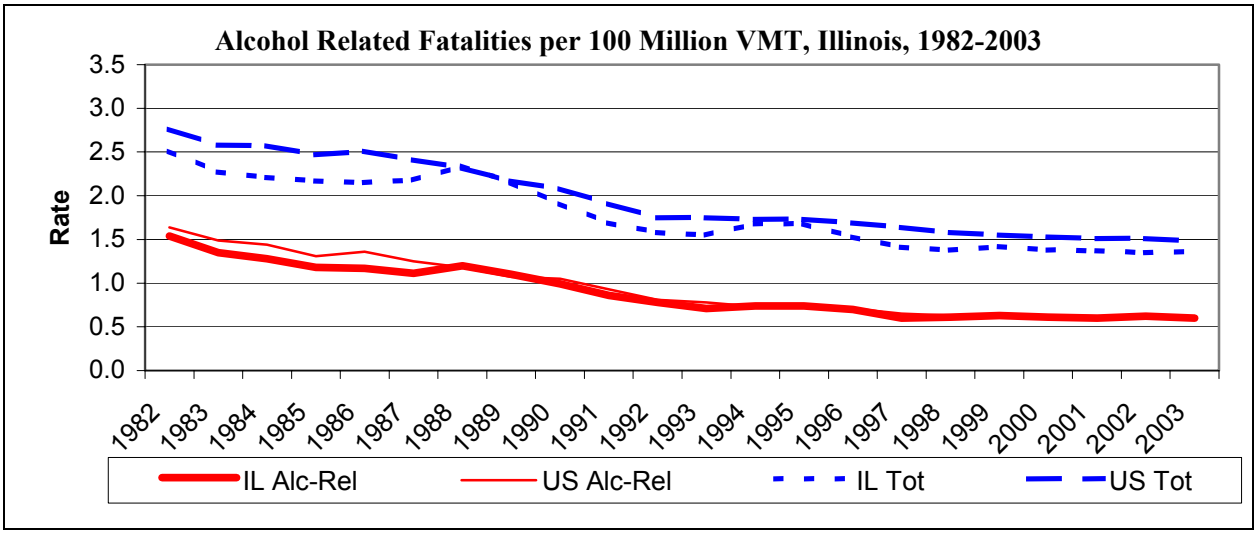
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,651	1,014	61	879	53	2.51	1.54	1.34
1983	1,526	909	60	817	54	2.27	1.35	1.21
1984	1,547	892	58	780	50	2.21	1.28	1.12
1985	1,534	835	54	723	47	2.17	1.18	1.02
1986	1,596	869	54	748	47	2.15	1.17	1.01
1987	1,654	843	51	742	45	2.18	1.11	0.98
1988	1,837	939	51	812	44	2.34	1.20	1.03
1989	1,748	898	51	779	45	2.15	1.10	0.96
1990	1,589	826	52	707	44	1.91	0.99	0.85
1991	1,448	736	51	629	43	1.69	0.86	0.74
1992	1,384	680	49	575	42	1.58	0.78	0.66
1993	1,392	638	46	557	40	1.55	0.71	0.62
1994	1,554	687	44	600	39	1.68	0.74	0.65
1995	1,586	700	44	614	39	1.68	0.74	0.65
1996	1,477	678	46	590	40	1.53	0.70	0.61
1997	1,397	597	43	505	36	1.41	0.60	0.51
1998	1,393	619	44	525	38	1.38	0.61	0.52
1999	1,456	646	44	543	37	1.42	0.63	0.53
2000	1,418	628	44	536	38	1.38	0.61	0.52
2001	1,414	623	44	537	38	1.37	0.60	0.52
2002	1,420	653	46	556	39	1.35	0.62	0.53
2003	1,453	639	44	539	37	1.36	0.60	0.51

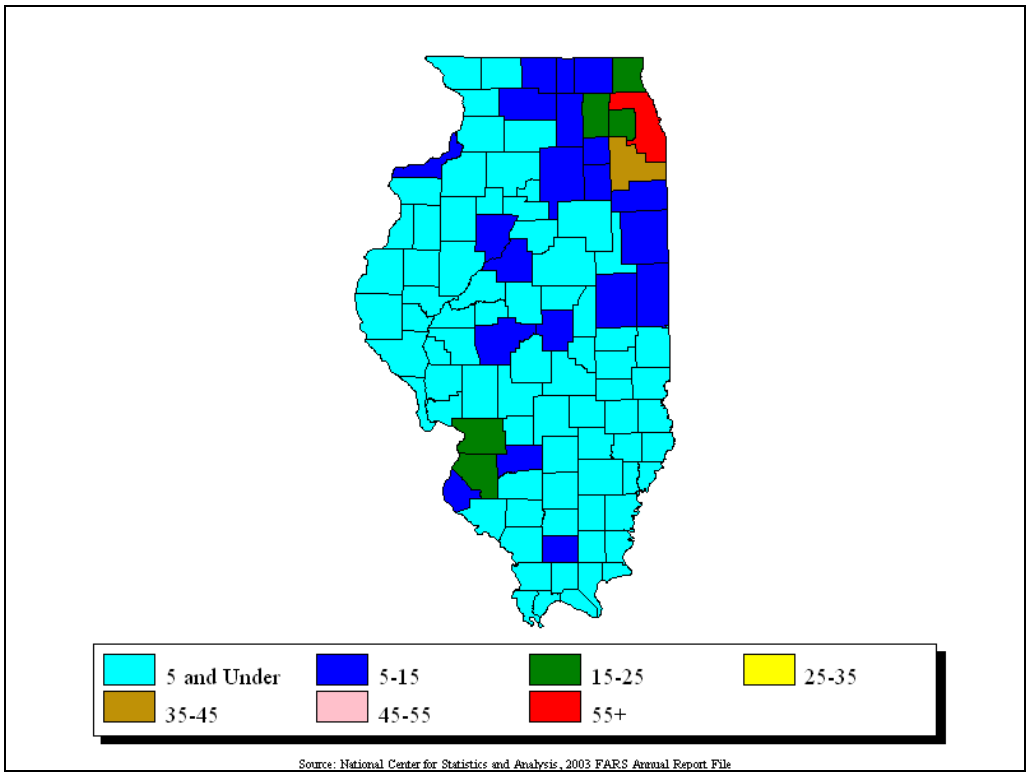
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, IL vs. US	
Time Period	**IL (US)**
1982 to 2003	-61% (-64%)
Last 10 years	-15% (-24%)
Last 5 years	-2% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	-3% (-3%)

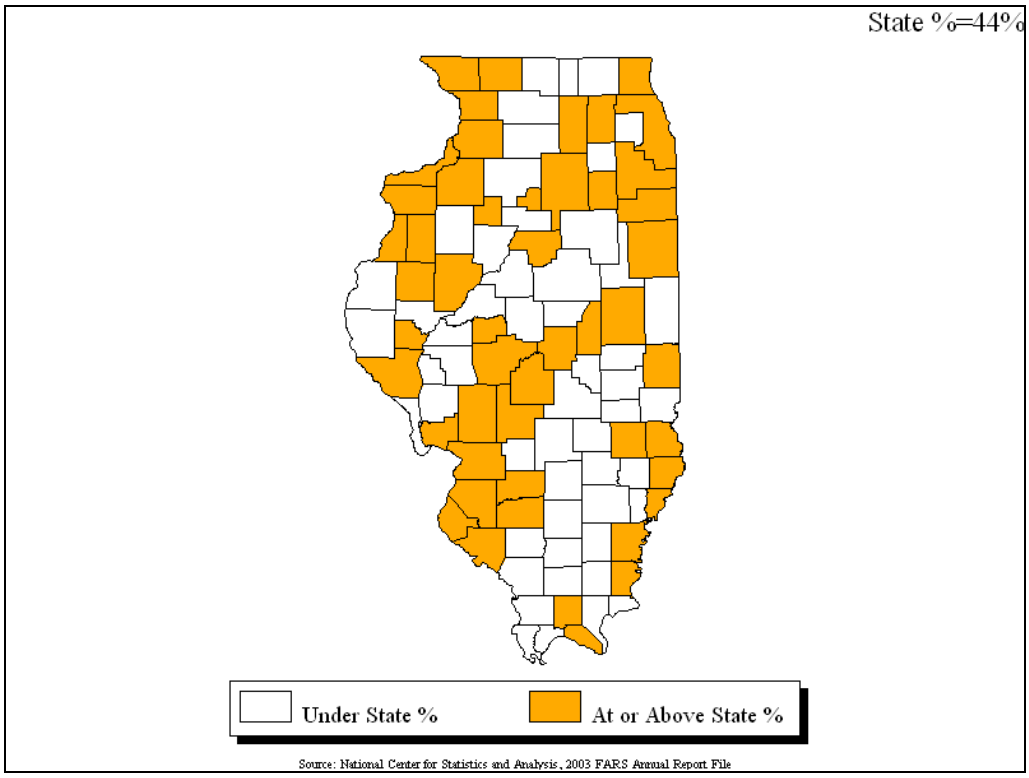
Change in 0.08+ Rates over time, IL vs. US	
Time Period	**IL (US)**
1982 to 2003	-62% (-65%)
Last 10 years	-18% (-25%)
Last 5 years	-2% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	-4% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



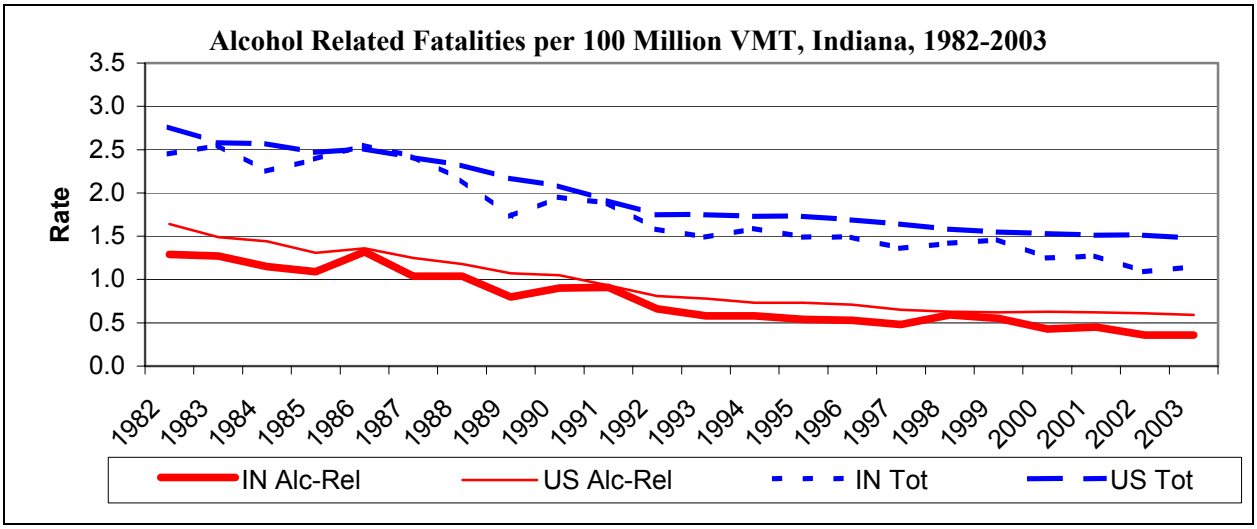
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	961	504	52	437	46	2.45	1.29	1.11
1983	1,016	505	50	453	45	2.55	1.27	1.14
1984	925	474	51	414	45	2.25	1.15	1.01
1985	974	445	46	379	39	2.39	1.09	0.93
1986	1,038	539	52	453	44	2.55	1.32	1.11
1987	1,055	454	43	379	36	2.42	1.04	0.87
1988	1,099	530	48	461	42	2.15	1.04	0.90
1989	971	447	46	388	40	1.73	0.80	0.69
1990	1,049	485	46	432	41	1.95	0.90	0.80
1991	1,022	493	48	440	43	1.88	0.91	0.81
1992	901	375	42	309	34	1.58	0.66	0.54
1993	901	351	39	288	32	1.49	0.58	0.48
1994	971	353	36	304	31	1.59	0.58	0.50
1995	960	348	36	299	31	1.49	0.54	0.46
1996	984	350	36	297	30	1.49	0.53	0.45
1997	935	331	35	296	32	1.36	0.48	0.43
1998	982	405	41	350	36	1.42	0.59	0.51
1999	1,020	384	38	322	32	1.46	0.55	0.46
2000	886	303	34	246	28	1.25	0.43	0.35
2001	909	320	35	262	29	1.27	0.45	0.36
2002	792	262	33	216	27	1.09	0.36	0.30
2003	834	262	31	223	27	1.15	0.36	0.31

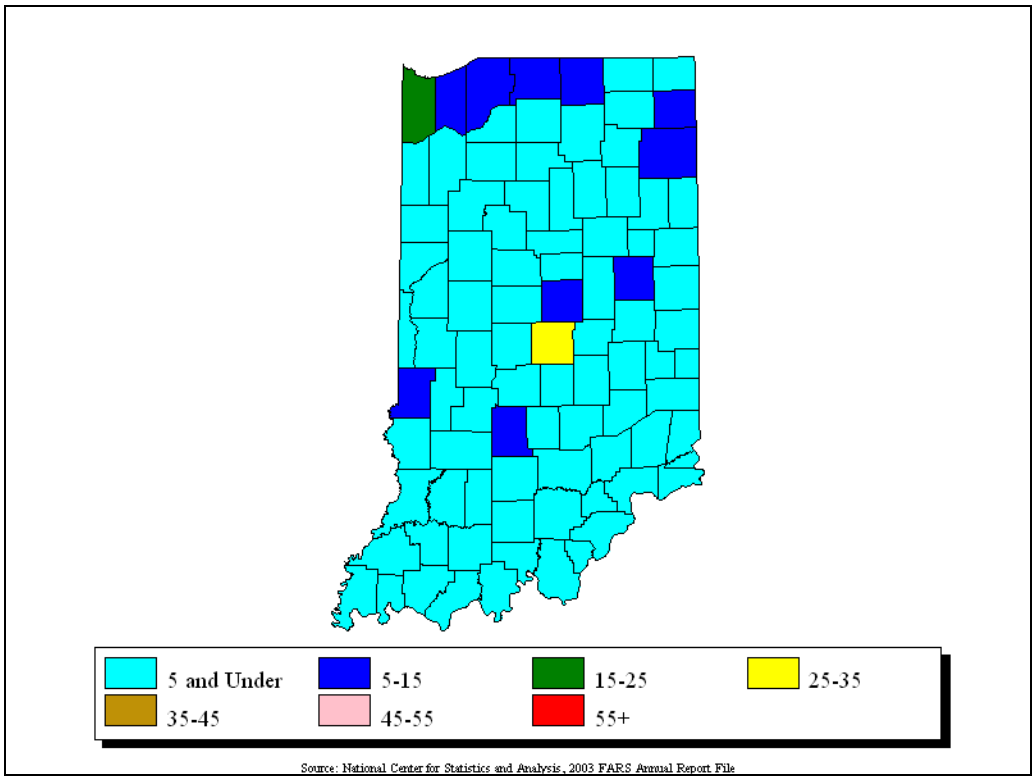
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, IN vs. US	
Time Period	**IN (US)**
1982 to 2003	-72% (-64%)
Last 10 years	-38% (-24%)
Last 5 years	-39% (-6%)
Last 3 Years	-16% (-6%)
Last 1 Year	0% (-3%)

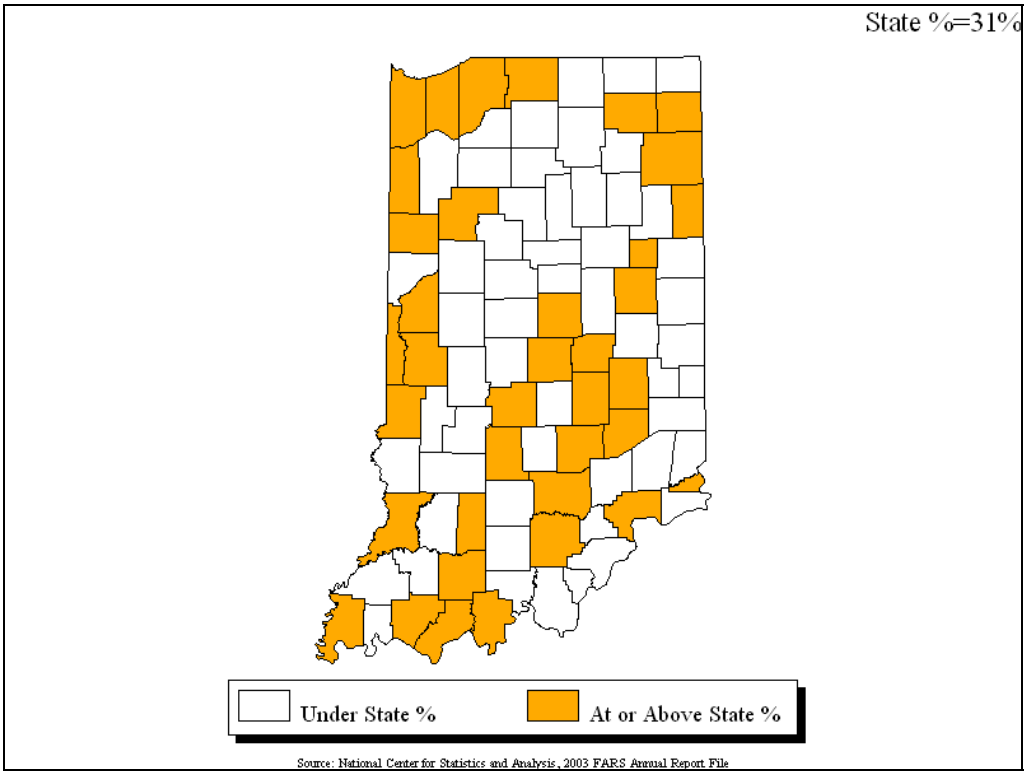
Change in 0.08+ Rates over time, IN vs. US	
Time Period	**IN (US)**
1982 to 2003	-72% (-65%)
Last 10 years	-35% (-25%)
Last 5 years	-39% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	+3% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



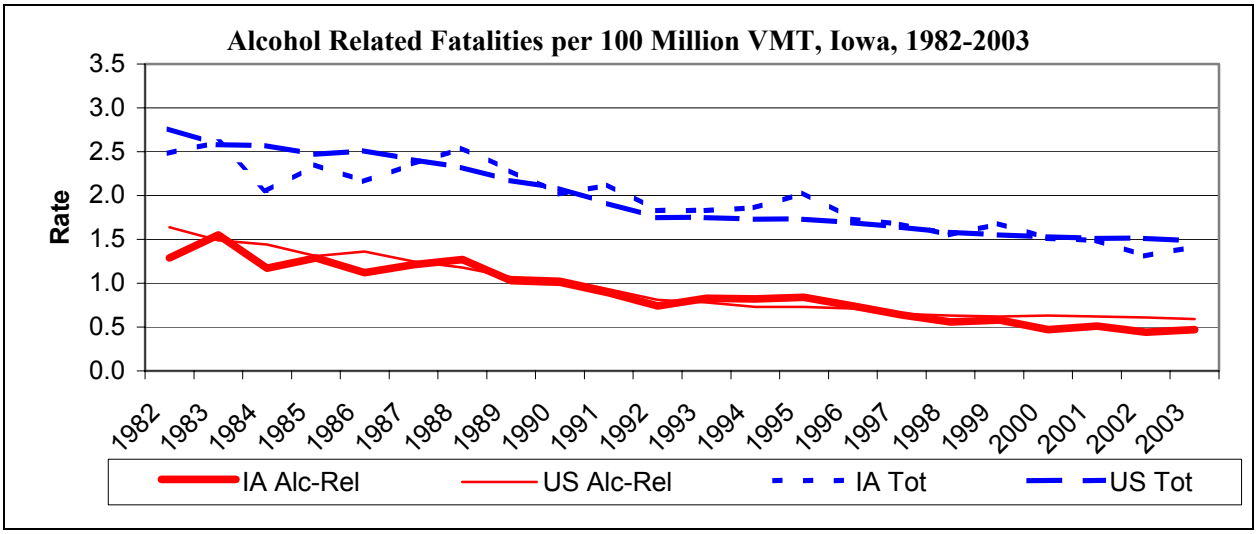
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	480	250	52	219	46	2.48	1.29	1.13
1983	514	305	59	263	51	2.61	1.55	1.34
1984	420	239	57	204	49	2.05	1.17	1.00
1985	474	260	55	219	46	2.35	1.29	1.08
1986	441	228	52	197	45	2.16	1.12	0.97
1987	491	252	51	215	44	2.36	1.21	1.03
1988	557	279	50	239	43	2.54	1.27	1.09
1989	514	232	45	195	38	2.28	1.03	0.86
1990	465	233	50	200	43	2.02	1.01	0.87
1991	488	205	42	172	35	2.12	0.89	0.75
1992	437	176	40	137	31	1.83	0.74	0.57
1993	459	208	45	175	38	1.83	0.83	0.70
1994	478	211	44	170	36	1.86	0.82	0.66
1995	527	219	42	187	35	2.03	0.84	0.72
1996	465	199	43	177	38	1.73	0.74	0.66
1997	468	178	38	144	31	1.67	0.64	0.51
1998	449	163	36	139	31	1.55	0.56	0.48
1999	490	169	34	138	28	1.68	0.58	0.47
2000	445	139	31	118	26	1.51	0.47	0.40
2001	446	152	34	123	28	1.49	0.51	0.41
2002	405	137	34	110	27	1.31	0.44	0.36
2003	441	145	33	119	27	1.42	0.47	0.38

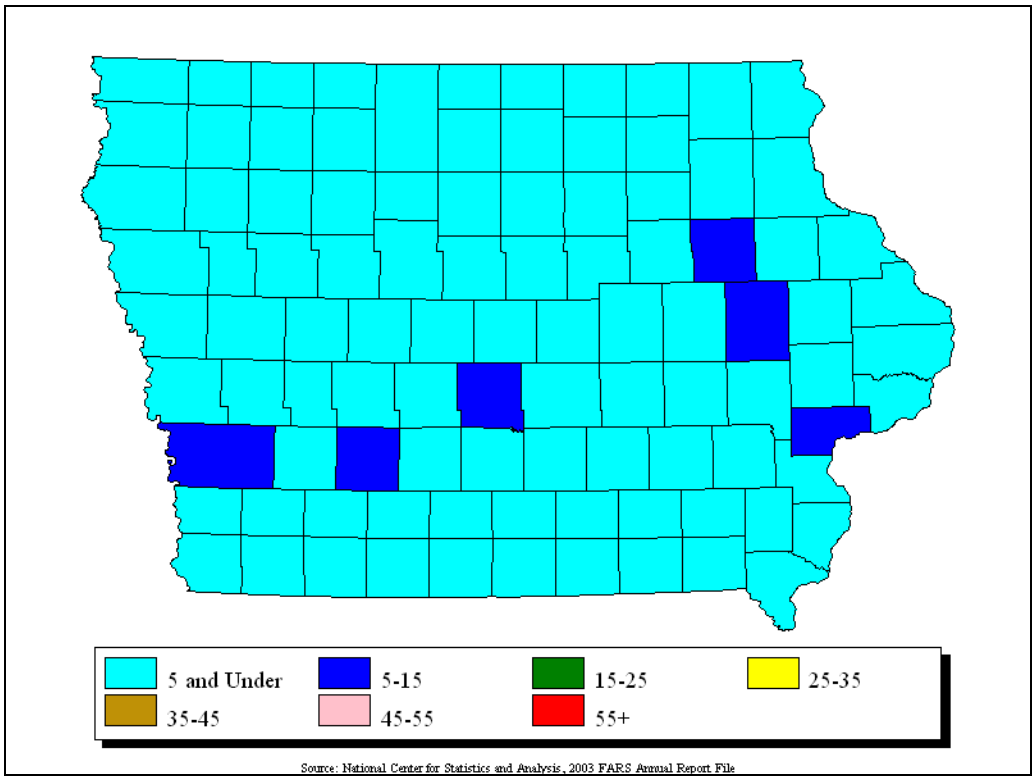
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, IA vs. US	
Time Period	**IA (US)**
1982 to 2003	-64% (-64%)
Last 10 years	-43% (-24%)
Last 5 years	-16% (-6%)
Last 3 Years	0% (-6%)
Last 1 Year	+7% (-3%)

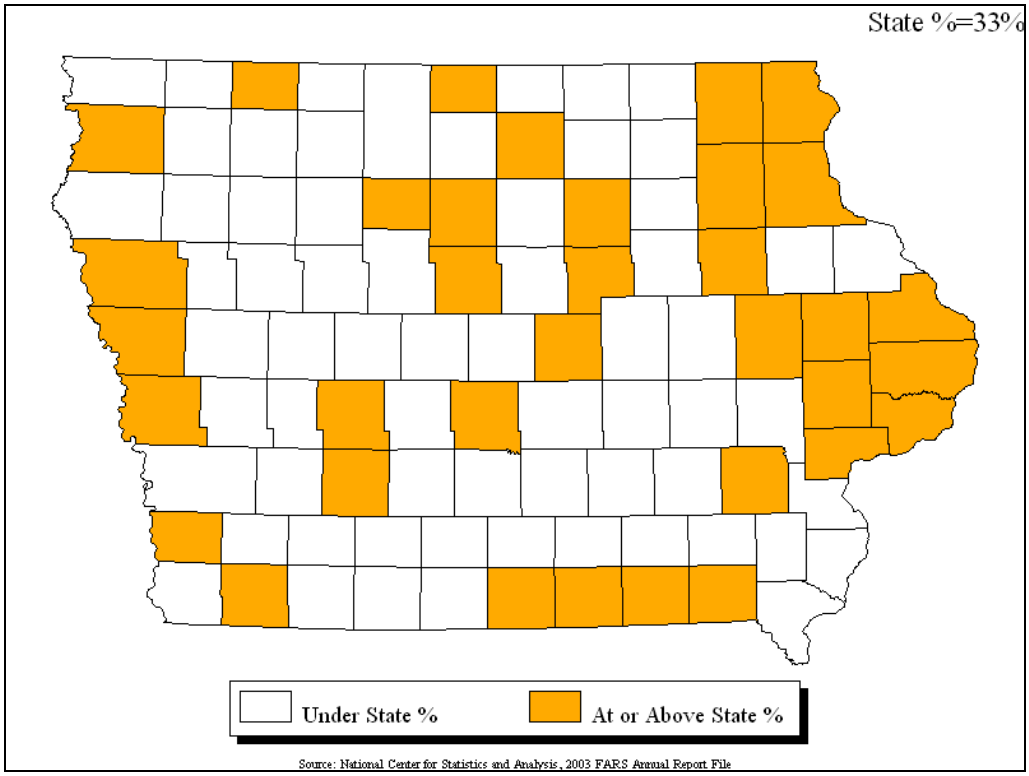
Change in 0.08+ Rates over time, IA vs. US	
Time Period	**IA (US)**
1982 to 2003	-66% (-65%)
Last 10 years	-46% (-25%)
Last 5 years	-21% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	+6% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



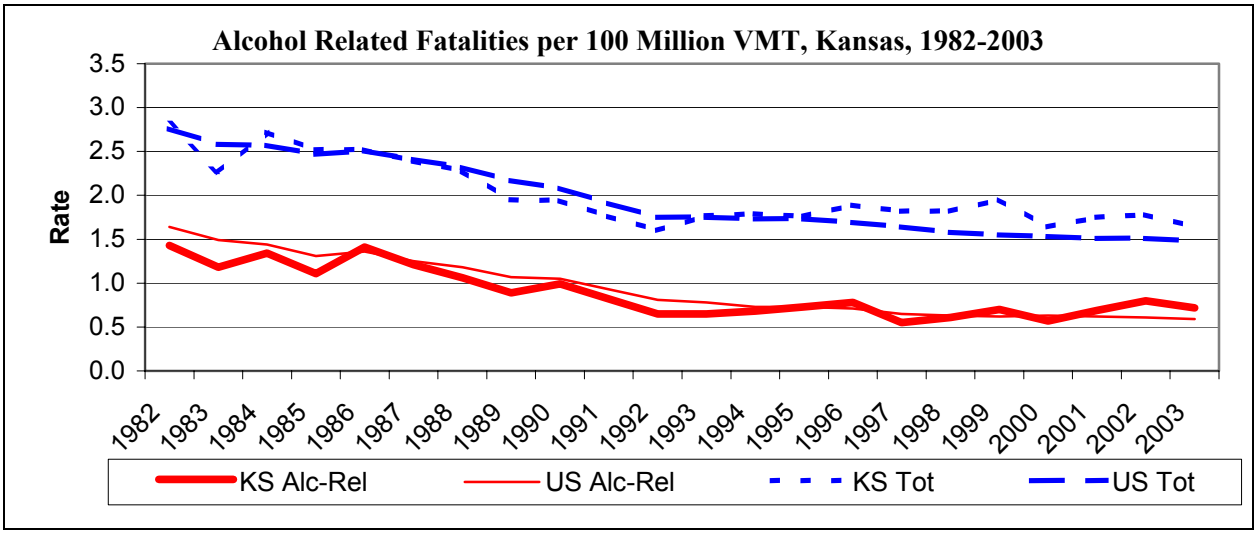
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	498	253	51	228	46	2.82	1.43	1.29
1983	411	214	52	185	45	2.26	1.18	1.02
1984	510	251	49	215	42	2.72	1.34	1.15
1985	486	214	44	191	39	2.52	1.11	0.99
1986	500	279	56	238	48	2.52	1.41	1.20
1987	491	248	50	202	41	2.39	1.21	0.98
1988	483	225	47	197	41	2.28	1.06	0.93
1989	428	194	45	165	39	1.95	0.89	0.75
1990	444	227	51	201	45	1.94	0.99	0.88
1991	409	189	46	164	40	1.76	0.82	0.71
1992	387	158	41	134	34	1.60	0.65	0.55
1993	428	157	37	132	31	1.77	0.65	0.55
1994	442	169	38	147	33	1.79	0.68	0.60
1995	442	184	42	164	37	1.76	0.73	0.65
1996	490	203	41	163	33	1.89	0.78	0.63
1997	482	147	30	128	27	1.82	0.55	0.48
1998	492	165	34	141	29	1.82	0.61	0.52
1999	540	193	36	162	30	1.95	0.70	0.58
2000	461	161	35	137	30	1.64	0.57	0.49
2001	494	193	39	167	34	1.75	0.69	0.59
2002	507	227	45	200	39	1.78	0.80	0.70
2003	471	206	44	182	39	1.64	0.72	0.63

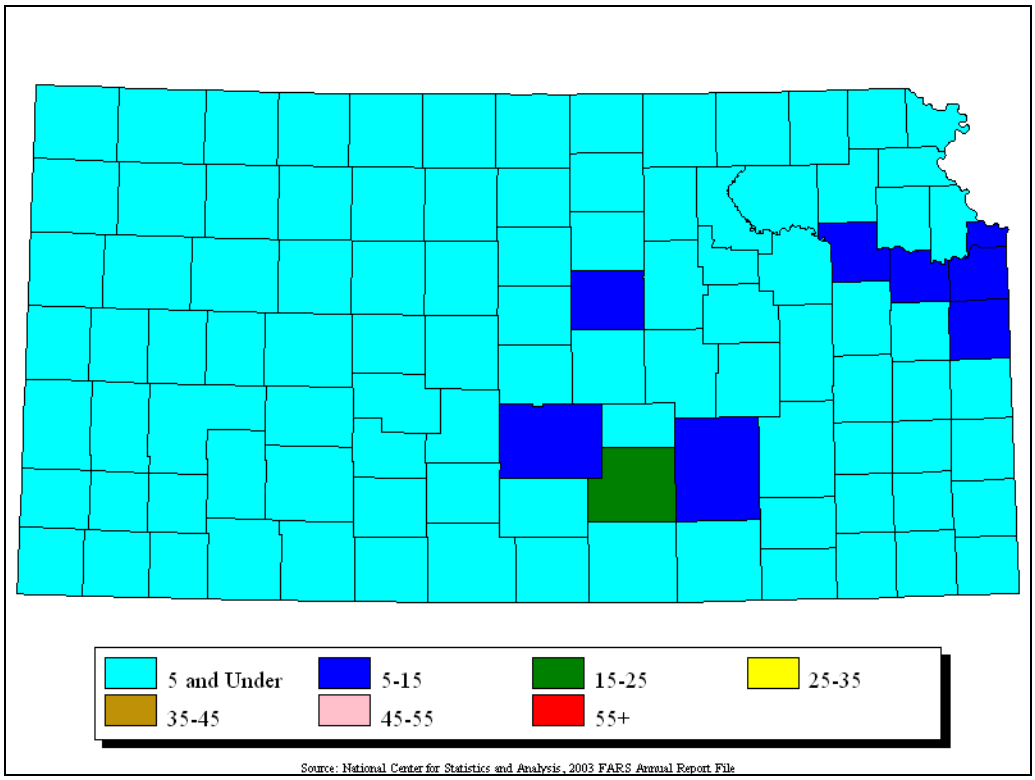
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, KS vs. US	
Time Period	**KS (US)**
1982 to 2003	-50% (-64%)
Last 10 years	+11% (-24%)
Last 5 years	+18% (-6%)
Last 3 Years	+26% (-6%)
Last 1 Year	-10% (-3%)

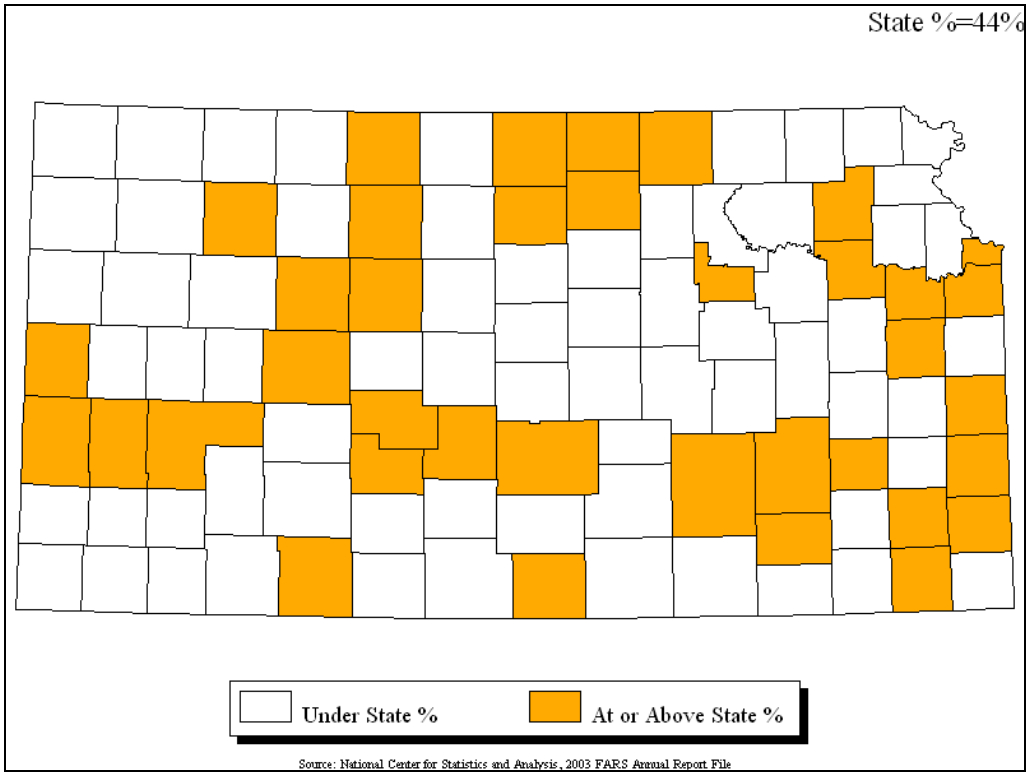
Change in 0.08+ Rates over time, KS vs. US	
Time Period	**KS (US)**
1982 to 2003	-51% (-65%)
Last 10 years	+15% (-25%)
Last 5 years	+21% (-6%)
Last 3 Years	+29% (-6%)
Last 1 Year	-10% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



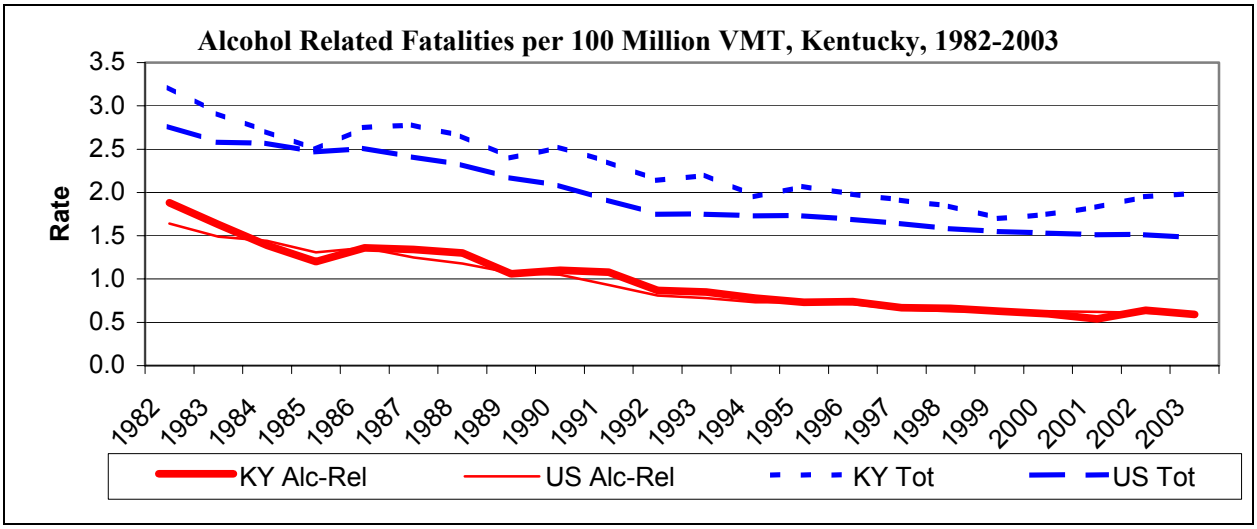
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	822	482	59	401	49	3.21	1.88	1.56
1983	778	435	56	390	50	2.91	1.63	1.46
1984	754	389	52	333	44	2.70	1.39	1.19
1985	712	343	48	305	43	2.50	1.20	1.07
1986	805	398	49	347	43	2.75	1.36	1.19
1987	844	407	48	351	42	2.78	1.34	1.16
1988	838	411	49	355	42	2.65	1.30	1.12
1989	772	341	44	285	37	2.40	1.06	0.89
1990	849	371	44	320	38	2.52	1.10	0.95
1991	826	380	46	328	40	2.35	1.08	0.93
1992	815	333	41	292	36	2.14	0.87	0.77
1993	871	338	39	291	33	2.20	0.85	0.73
1994	778	309	40	246	32	1.95	0.78	0.62
1995	849	302	36	262	31	2.07	0.73	0.64
1996	842	317	38	275	33	1.98	0.74	0.65
1997	857	301	35	266	31	1.97	0.69	0.61
1998	858	306	36	261	30	1.91	0.68	0.58
1999	814	300	37	264	32	1.75	0.65	0.57
2000	820	280	34	237	29	1.75	0.60	0.51
2001	845	251	30	218	26	1.83	0.54	0.47
2002	915	302	33	263	29	1.95	0.64	0.56
2003	928	276	30	240	26	1.99	0.59	0.51

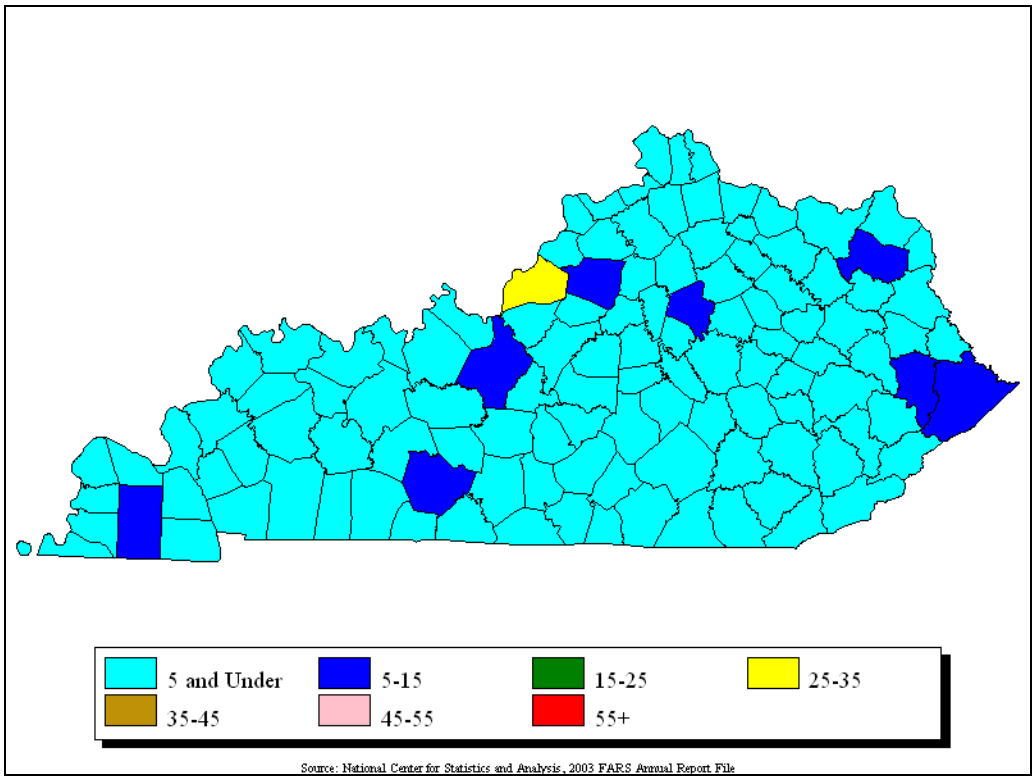
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, KY vs. US	
Time Period	**KY (US)**
1982 to 2003	-69% (-64%)
Last 10 years	-31% (-24%)
Last 5 years	-13% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	-8% (-3%)

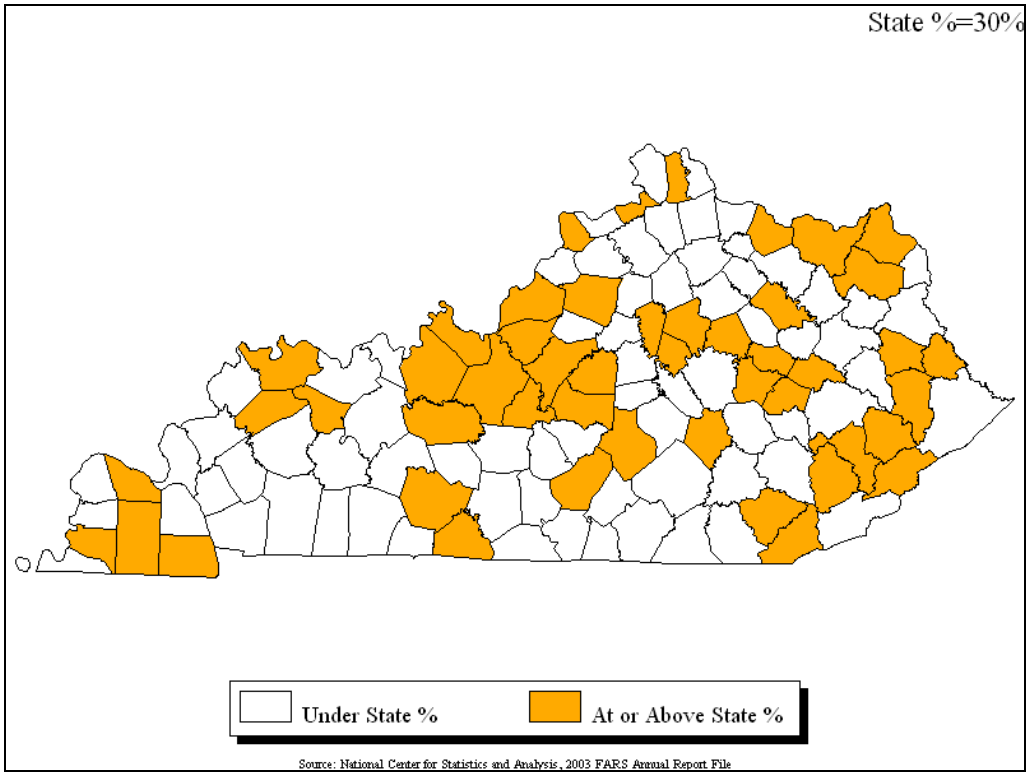
Change in 0.08+ Rates over time, KY vs. US	
Time Period	**KY (US)**
1982 to 2003	-67% (-65%)
Last 10 years	-30% (-25%)
Last 5 years	-12% (-6%)
Last 3 Years	0% (-6%)
Last 1 Year	-9% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



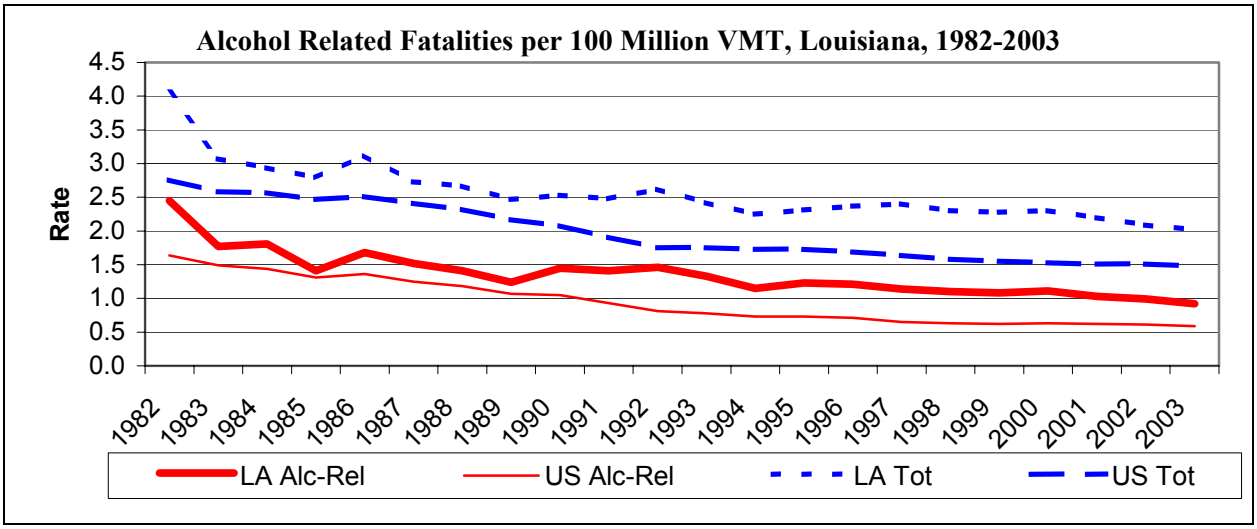
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,091	658	60	568	52	4.06	2.45	2.11
1983	933	538	58	472	51	3.07	1.77	1.55
1984	961	590	61	525	55	2.94	1.81	1.61
1985	931	471	51	399	43	2.79	1.41	1.20
1986	932	502	54	441	47	3.12	1.68	1.48
1987	826	460	56	394	48	2.73	1.52	1.30
1988	925	490	53	414	45	2.67	1.41	1.19
1989	878	442	50	385	44	2.47	1.24	1.08
1990	959	550	57	469	49	2.53	1.45	1.24
1991	862	491	57	428	50	2.48	1.41	1.23
1992	886	493	56	427	48	2.62	1.46	1.26
1993	878	483	55	420	48	2.42	1.33	1.16
1994	843	429	51	379	45	2.25	1.15	1.01
1995	894	476	53	395	44	2.31	1.23	1.02
1996	902	461	51	390	43	2.37	1.21	1.02
1997	931	444	48	386	41	2.44	1.17	1.01
1998	926	443	48	375	40	2.30	1.10	0.93
1999	938	445	47	389	41	2.28	1.08	0.95
2000	938	454	48	391	42	2.30	1.11	0.96
2001	952	444	47	378	40	2.20	1.03	0.87
2002	907	427	47	365	40	2.09	0.99	0.84
2003	894	406	45	363	41	2.02	0.92	0.82

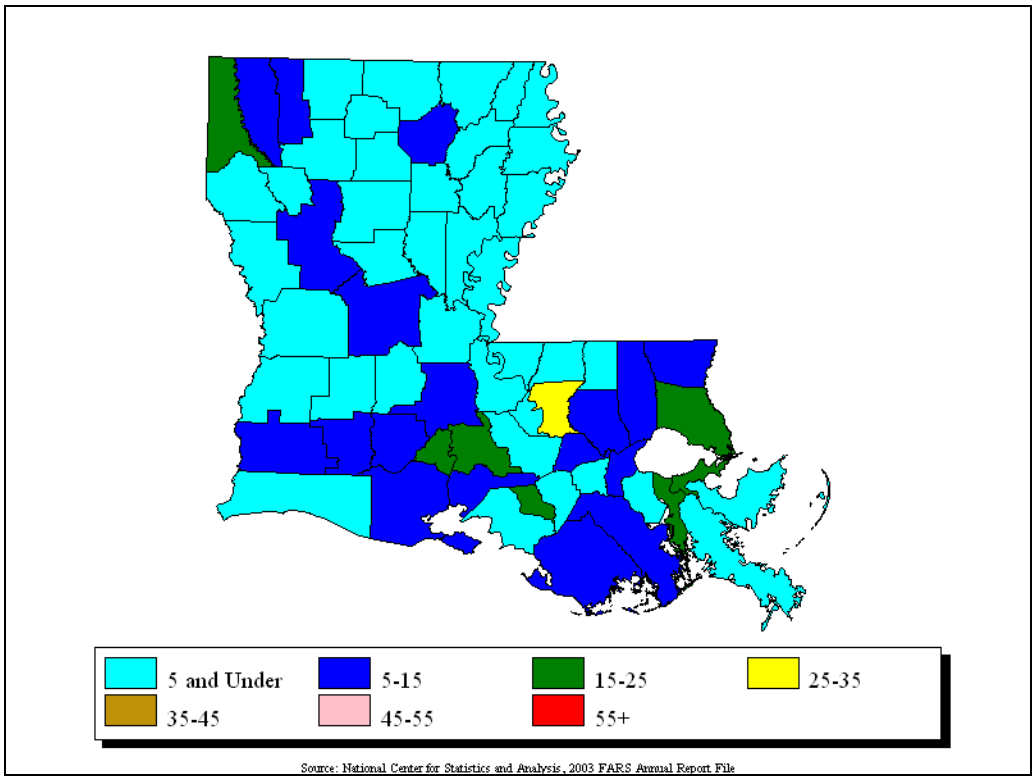
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, LA vs. US	
Time Period	**LA (US)**
1982 to 2003	-62% (-64%)
Last 10 years	-31% (-24%)
Last 5 years	-16% (-6%)
Last 3 Years	-17% (-6%)
Last 1 Year	-7% (-3%)

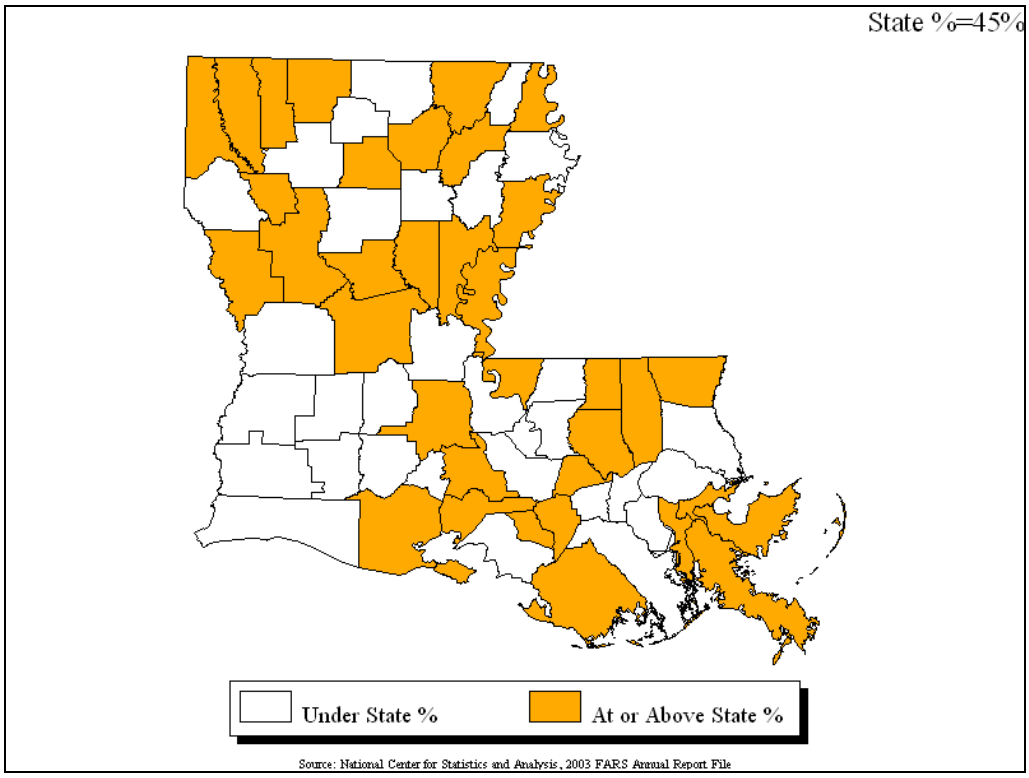
Change in 0.08+ Rates over time, LA vs. US	
Time Period	**LA (US)**
1982 to 2003	-61% (-65%)
Last 10 years	-29% (-25%)
Last 5 years	-12% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	-2% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



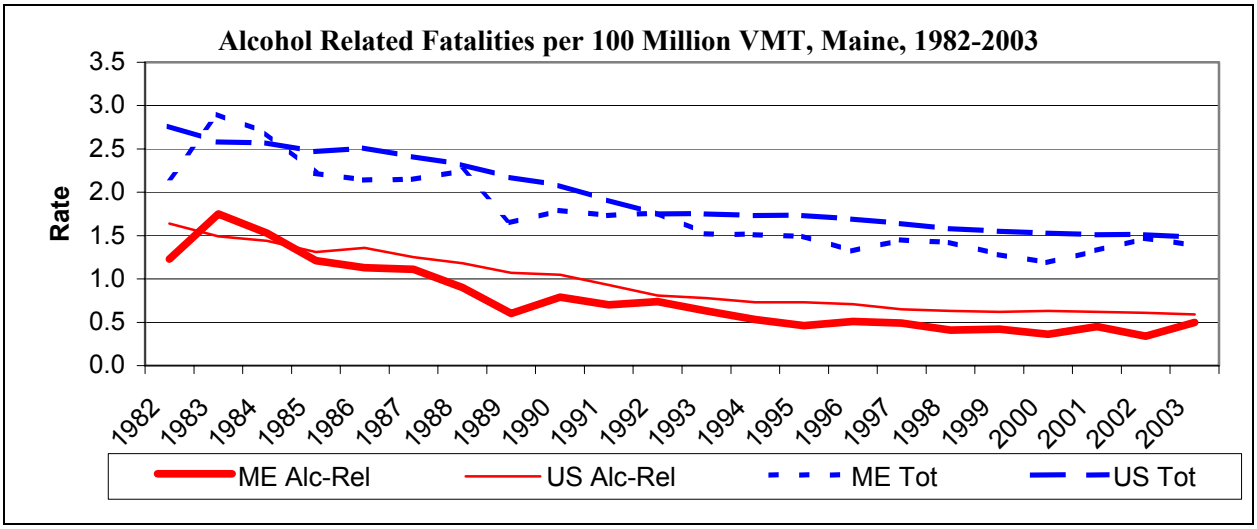
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	166	94	56	83	50	2.17	1.23	1.09
1983	224	135	60	122	54	2.90	1.75	1.58
1984	232	132	57	118	51	2.68	1.53	1.36
1985	206	112	54	92	45	2.22	1.21	0.99
1986	214	113	53	94	44	2.14	1.13	0.94
1987	232	119	51	95	41	2.15	1.11	0.88
1988	256	103	40	88	34	2.25	0.90	0.77
1989	194	70	36	64	33	1.65	0.60	0.55
1990	213	94	44	75	35	1.79	0.79	0.63
1991	205	83	41	59	29	1.73	0.70	0.50
1992	214	90	42	78	36	1.76	0.74	0.64
1993	185	77	42	64	35	1.52	0.63	0.53
1994	188	66	35	55	29	1.51	0.53	0.44
1995	187	58	31	52	28	1.49	0.46	0.41
1996	169	65	38	52	31	1.32	0.51	0.41
1997	192	65	34	58	30	1.45	0.49	0.44
1998	192	55	28	49	25	1.42	0.41	0.36
1999	181	60	33	53	29	1.28	0.42	0.37
2000	169	51	30	43	25	1.19	0.36	0.30
2001	192	65	34	61	32	1.33	0.45	0.42
2002	216	50	23	47	22	1.47	0.34	0.32
2003	207	75	36	69	33	1.39	0.50	0.46

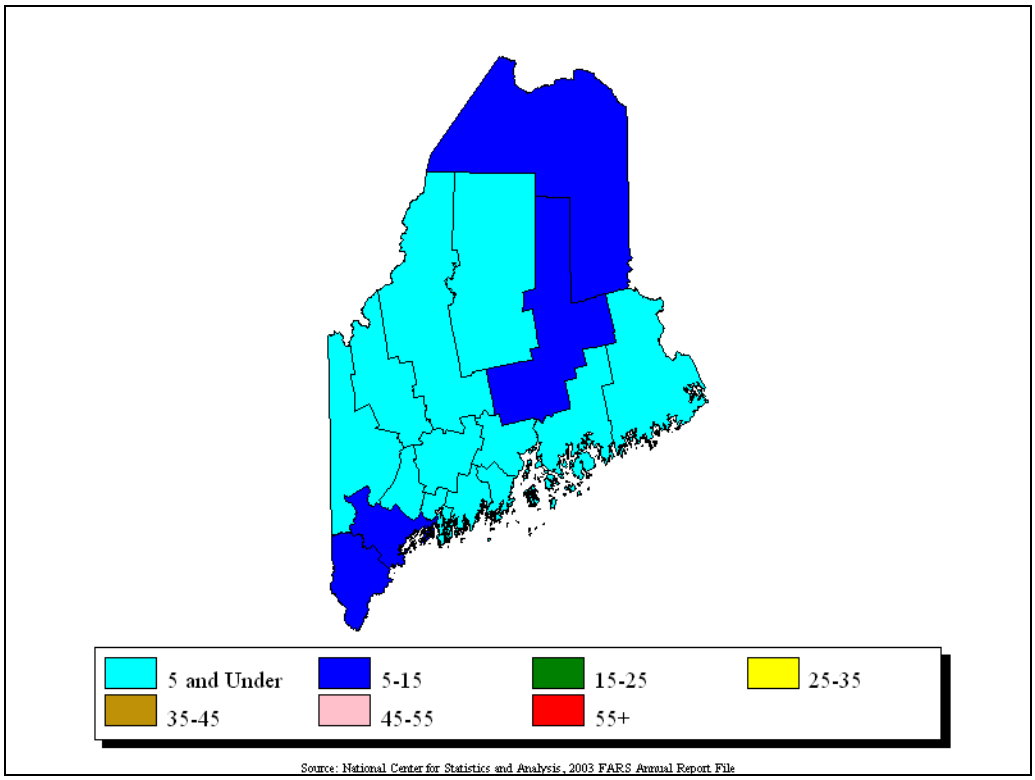
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, ME vs. US	
Time Period	**ME (US)**
1982 to 2003	-59% (-64%)
Last 10 years	-21% (-24%)
Last 5 years	+22% (-6%)
Last 3 Years	+39% (-6%)
Last 1 Year	+47% (-3%)

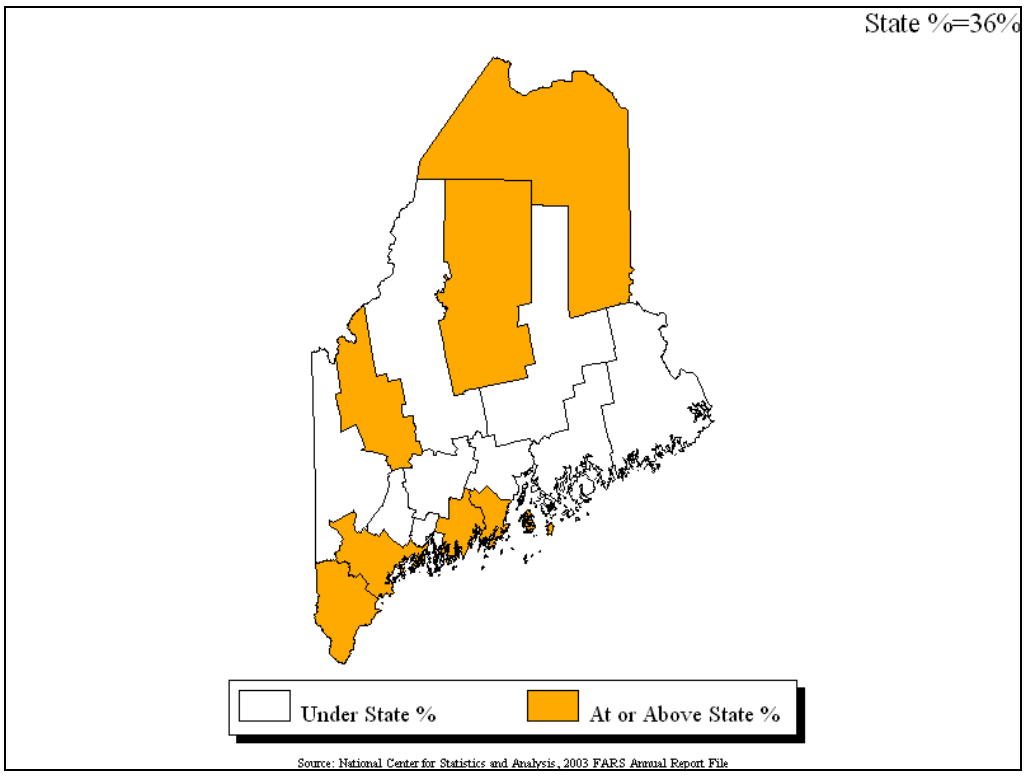
Change in 0.08+ Rates over time, ME vs. US	
Time Period	**ME (US)**
1982 to 2003	-58% (-65%)
Last 10 years	-13% (-25%)
Last 5 years	+28% (-6%)
Last 3 Years	+53% (-6%)
Last 1 Year	+44% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



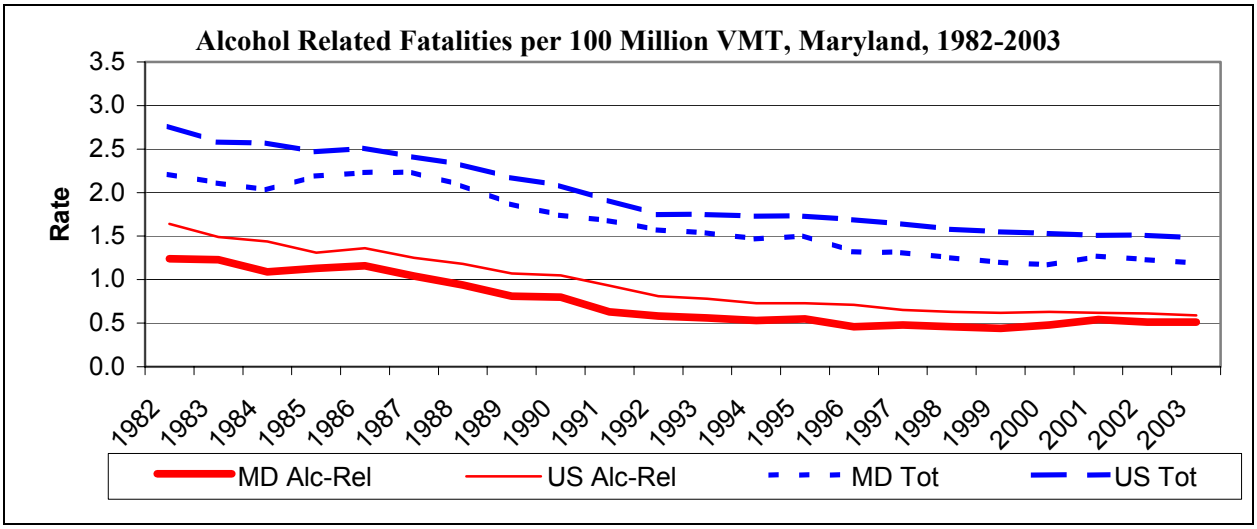
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	640	360	56	319	50	2.21	1.24	1.10
1983	656	382	58	330	50	2.11	1.23	1.06
1984	643	344	54	285	44	2.03	1.09	0.90
1985	729	378	52	318	44	2.19	1.13	0.95
1986	784	407	52	341	43	2.23	1.16	0.97
1987	814	380	47	317	39	2.23	1.04	0.87
1988	781	352	45	290	37	2.08	0.94	0.77
1989	726	316	43	256	35	1.87	0.81	0.66
1990	707	325	46	277	39	1.74	0.80	0.68
1991	694	261	38	221	32	1.68	0.63	0.53
1992	659	243	37	208	32	1.57	0.58	0.50
1993	666	244	37	203	30	1.54	0.56	0.47
1994	651	232	36	192	30	1.47	0.53	0.43
1995	671	249	37	202	30	1.50	0.55	0.45
1996	608	213	35	179	30	1.32	0.46	0.39
1997	611	224	37	189	31	1.31	0.48	0.40
1998	606	223	37	176	29	1.25	0.46	0.36
1999	590	215	36	172	29	1.20	0.44	0.35
2000	588	240	41	194	33	1.17	0.48	0.39
2001	659	282	43	229	35	1.27	0.54	0.44
2002	661	276	42	223	34	1.23	0.51	0.42
2003	649	281	43	208	32	1.19	0.51	0.38

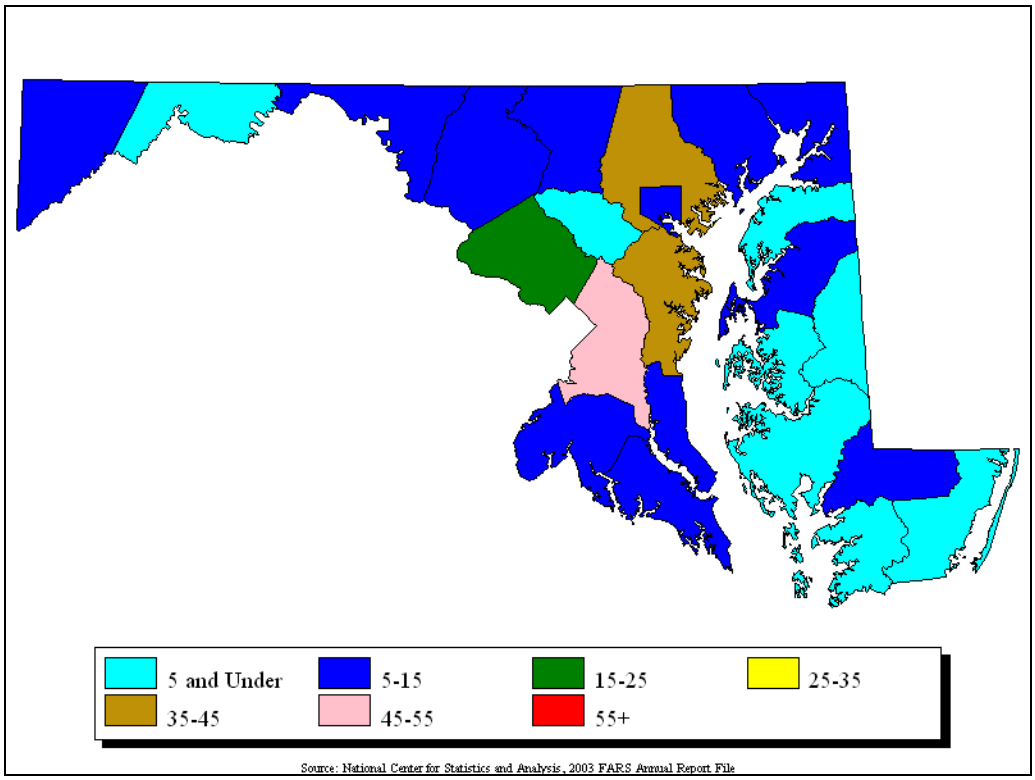
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MD vs. US	
Time Period	**MD (US)**
1982 to 2003	-59% (-64%)
Last 10 years	-9% (-24%)
Last 5 years	+11% (-6%)
Last 3 Years	+6% (-6%)
Last 1 Year	0% (-3%)

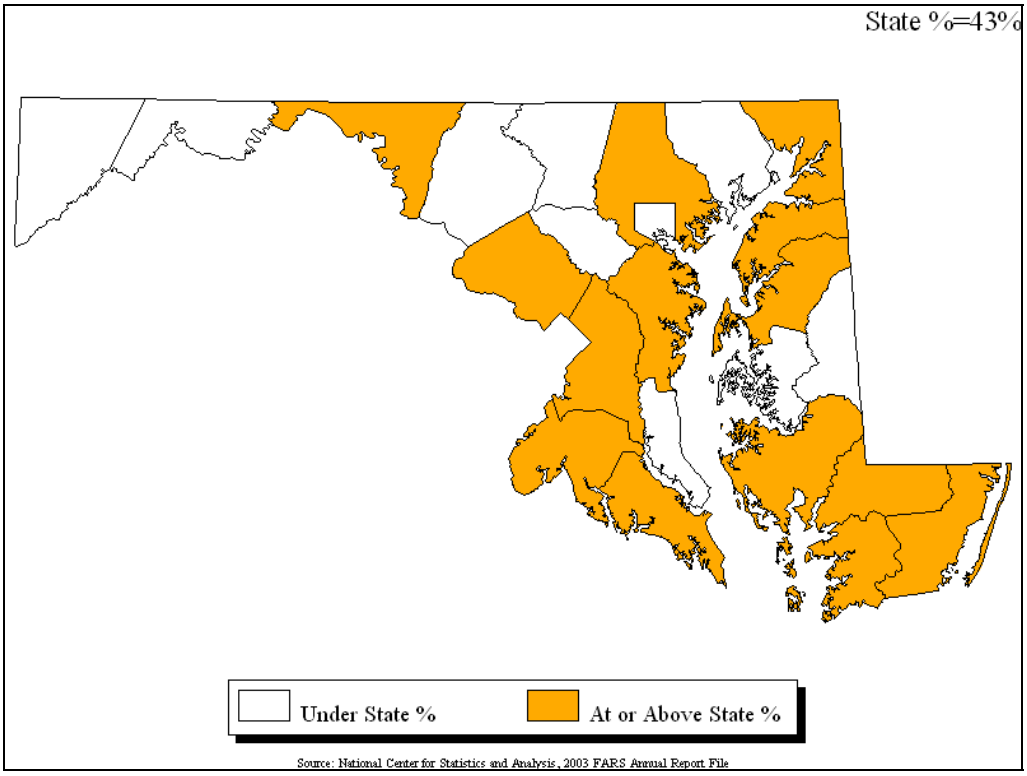
Change in 0.08+ Rates over time, MD vs. US	
Time Period	**MD (US)**
1982 to 2003	-65% (-65%)
Last 10 years	-19% (-25%)
Last 5 years	+6% (-6%)
Last 3 Years	-3% (-6%)
Last 1 Year	-10% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



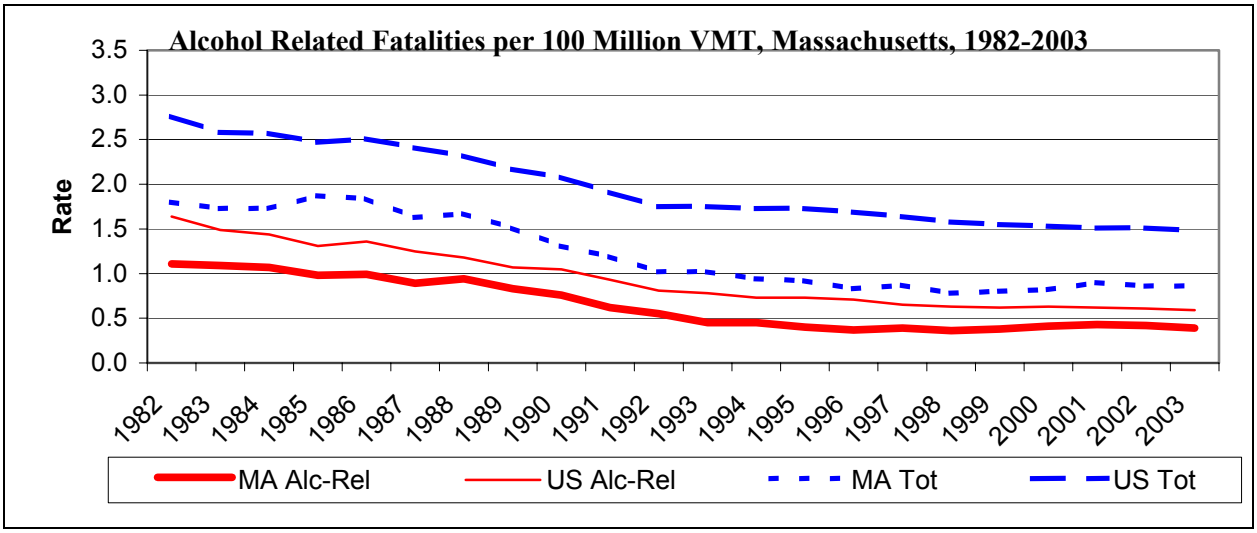
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	659	407	62	369	56	1.80	1.11	1.01
1983	651	409	63	364	56	1.73	1.09	0.97
1984	666	411	62	362	54	1.73	1.07	0.94
1985	742	390	53	338	46	1.87	0.98	0.85
1986	752	405	54	341	45	1.84	0.99	0.83
1987	689	377	55	331	48	1.63	0.89	0.78
1988	725	408	56	348	48	1.67	0.94	0.80
1989	696	384	55	322	46	1.51	0.83	0.70
1990	605	349	58	304	50	1.31	0.76	0.66
1991	552	288	52	244	44	1.19	0.62	0.52
1992	485	262	54	223	46	1.02	0.55	0.47
1993	475	208	44	175	37	1.02	0.45	0.37
1994	440	212	48	185	42	0.94	0.45	0.39
1995	444	193	43	167	38	0.92	0.40	0.35
1996	417	184	44	154	37	0.83	0.37	0.31
1997	441	198	45	159	36	0.87	0.39	0.32
1998	406	184	45	146	36	0.78	0.36	0.28
1999	414	195	47	161	39	0.80	0.38	0.31
2000	433	216	50	175	40	0.82	0.41	0.33
2001	477	228	48	198	42	0.90	0.43	0.37
2002	459	224	49	191	42	0.86	0.42	0.36
2003	462	207	45	170	37	0.86	0.39	0.32

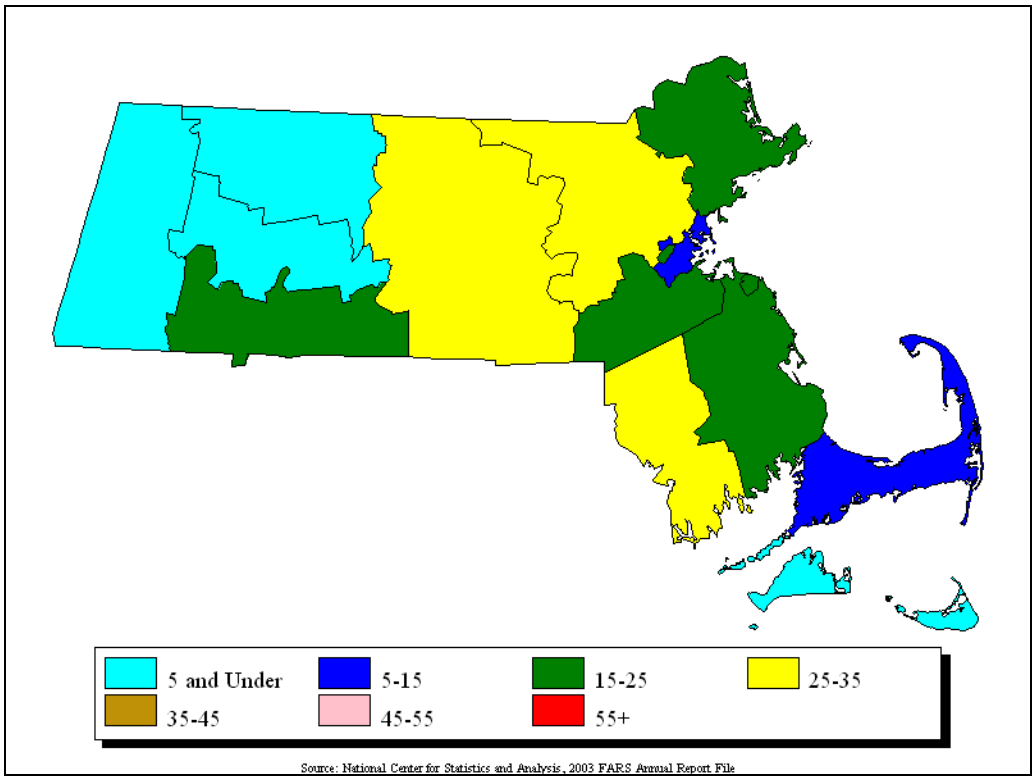
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MA vs. US	
Time Period	**MA (US)**
1982 to 2003	-65% (-64%)
Last 10 years	-13% (-24%)
Last 5 years	+8% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	-7% (-3%)

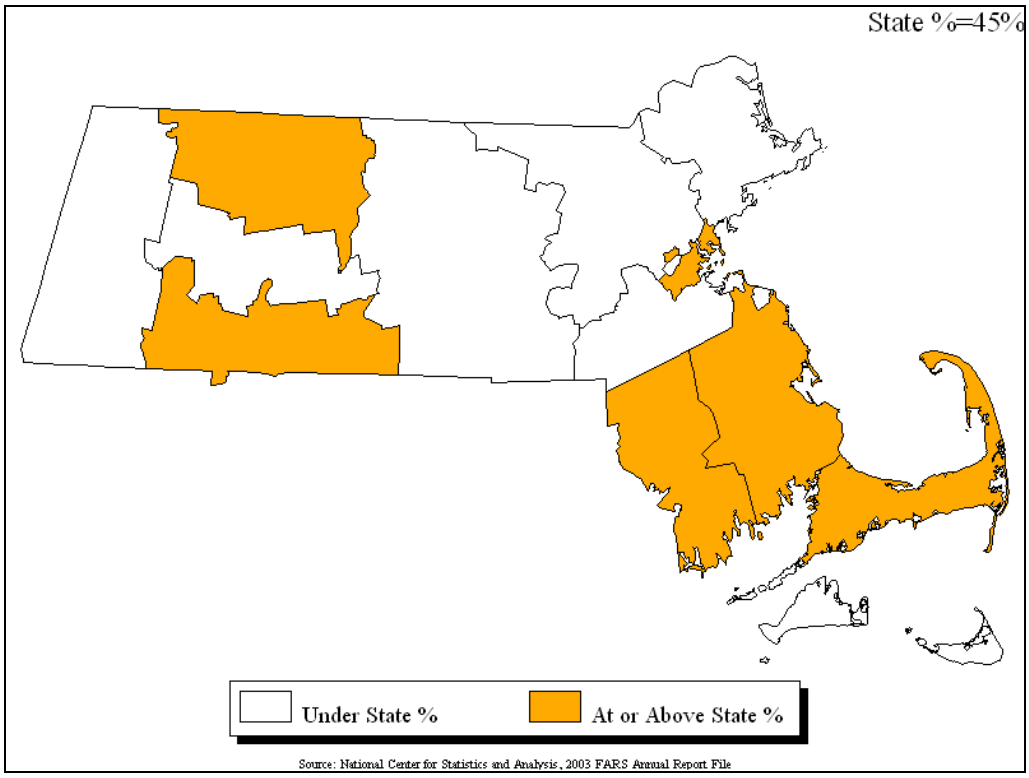
Change in 0.08+ Rates over time, MA vs. US	
Time Period	**MA (US)**
1982 to 2003	-68% (-65%)
Last 10 years	-14% (-25%)
Last 5 years	+14% (-6%)
Last 3 Years	-3% (-6%)
Last 1 Year	-11% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



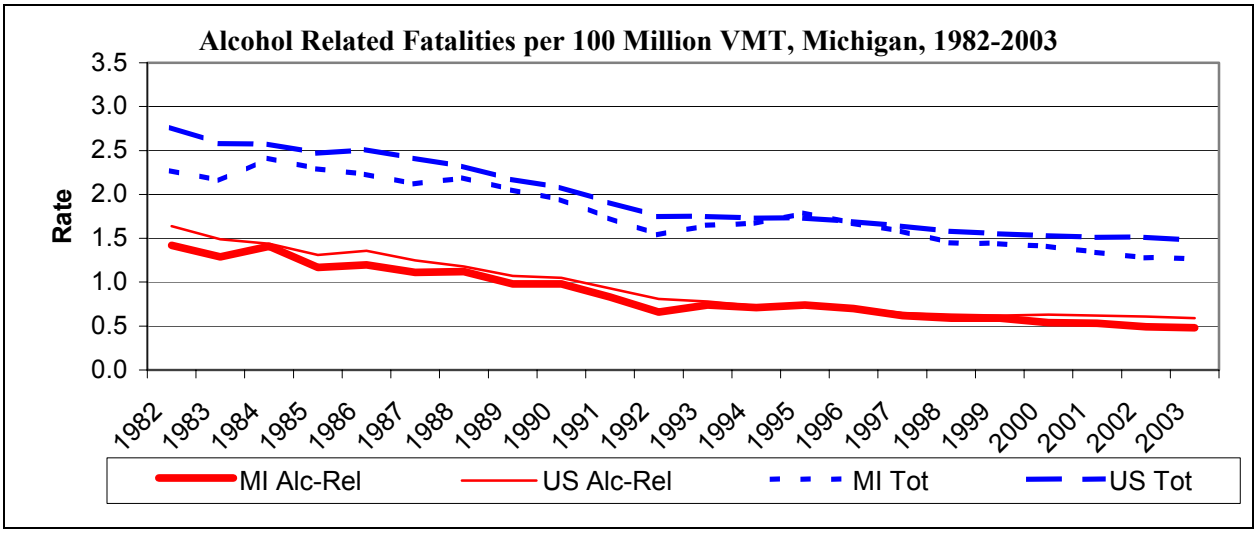
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,392	871	63	780	56	2.27	1.42	1.27
1983	1,314	788	60	727	55	2.16	1.29	1.19
1984	1,531	897	59	798	52	2.41	1.41	1.25
1985	1,545	788	51	688	45	2.29	1.17	1.02
1986	1,605	862	54	746	46	2.23	1.20	1.04
1987	1,602	839	52	734	46	2.12	1.11	0.97
1988	1,708	869	51	750	44	2.19	1.12	0.96
1989	1,639	780	48	664	41	2.05	0.98	0.83
1990	1,571	798	51	699	45	1.94	0.98	0.86
1991	1,421	684	48	594	42	1.73	0.83	0.72
1992	1,300	553	43	476	37	1.54	0.66	0.57
1993	1,414	632	45	549	39	1.65	0.74	0.64
1994	1,421	604	43	526	37	1.67	0.71	0.62
1995	1,530	634	41	537	35	1.79	0.74	0.63
1996	1,505	630	42	545	36	1.67	0.70	0.60
1997	1,446	573	40	479	33	1.58	0.63	0.52
1998	1,366	552	40	476	35	1.46	0.59	0.51
1999	1,382	565	41	496	36	1.44	0.59	0.52
2000	1,382	528	38	452	33	1.41	0.54	0.46
2001	1,328	520	39	443	33	1.34	0.53	0.45
2002	1,277	494	39	425	33	1.28	0.49	0.42
2003	1,283	481	37	395	31	1.27	0.48	0.39

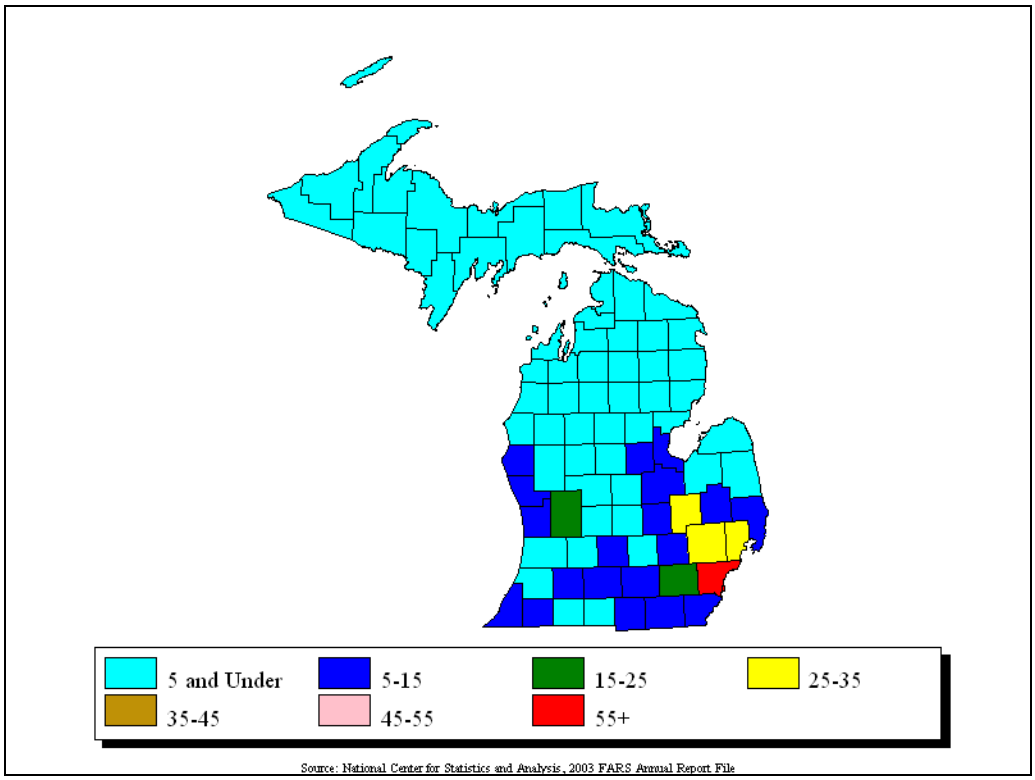
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MA vs. US	
Time Period	**MA (US)**
1982 to 2003	-66% (-64%)
Last 10 years	-35% (-24%)
Last 5 years	-19% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	-2% (-3%)

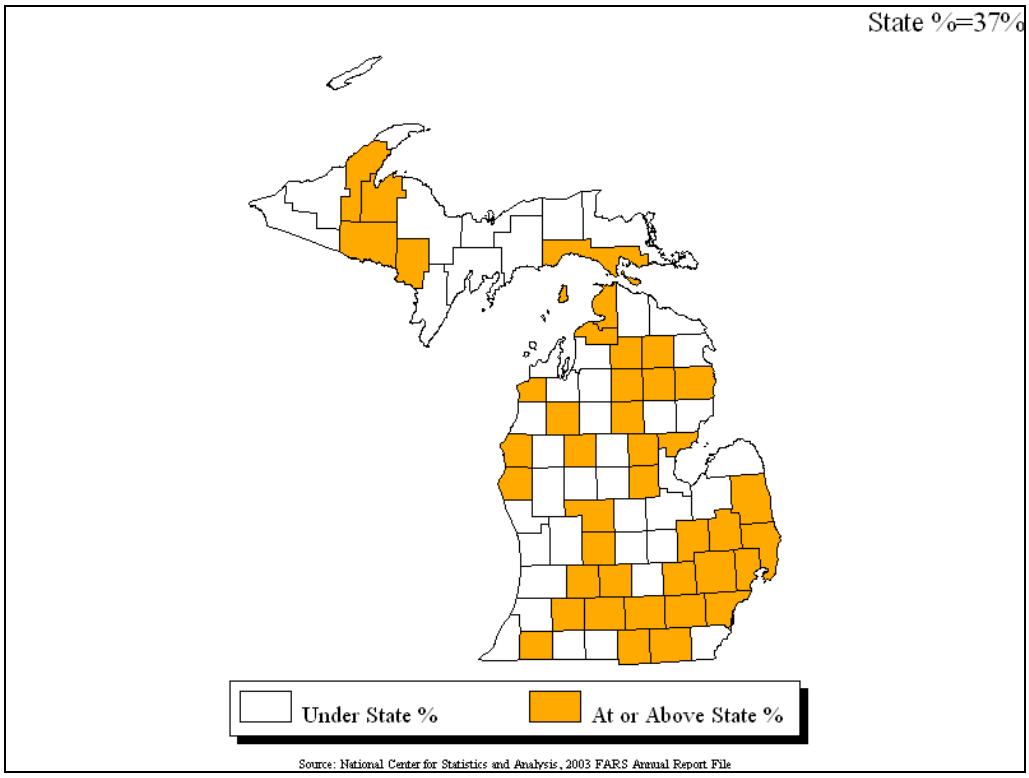
Change in 0.08+ Rates over time, MA vs. US	
Time Period	**MA (US)**
1982 to 2003	-69% (-65%)
Last 10 years	-39% (-25%)
Last 5 years	-24% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	-7% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



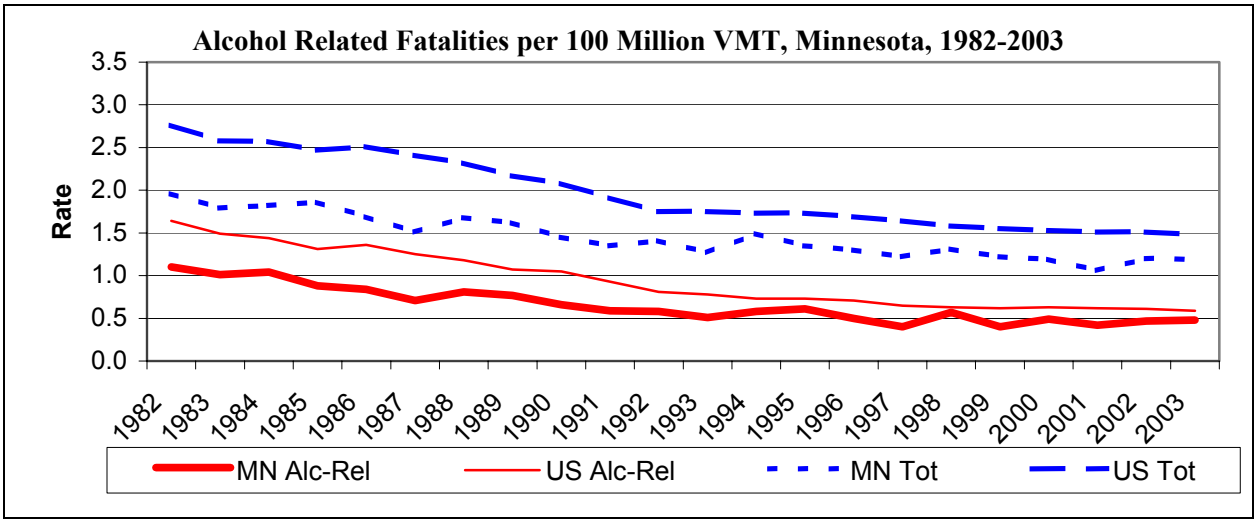
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	571	322	56	291	51	1.96	1.10	1.00
1983	555	314	56	268	48	1.79	1.01	0.86
1984	582	332	57	284	49	1.82	1.04	0.89
1985	608	287	47	239	39	1.86	0.88	0.73
1986	571	284	50	250	44	1.69	0.84	0.74
1987	530	248	47	224	42	1.51	0.71	0.64
1988	612	294	48	249	41	1.68	0.81	0.68
1989	604	289	48	256	42	1.62	0.77	0.68
1990	566	258	46	221	39	1.45	0.66	0.57
1991	531	233	44	184	35	1.35	0.59	0.47
1992	581	240	41	218	38	1.41	0.58	0.53
1993	538	216	40	189	35	1.27	0.51	0.45
1994	646	250	39	217	34	1.49	0.58	0.50
1995	597	269	45	234	39	1.35	0.61	0.53
1996	576	222	38	190	33	1.30	0.50	0.43
1997	600	197	33	175	29	1.22	0.40	0.36
1998	650	285	44	236	36	1.31	0.57	0.48
1999	626	206	33	179	29	1.22	0.40	0.35
2000	625	258	41	224	36	1.19	0.49	0.43
2001	568	225	40	196	35	1.06	0.42	0.37
2002	657	256	39	211	32	1.20	0.47	0.39
2003	657	267	41	231	35	1.19	0.48	0.42

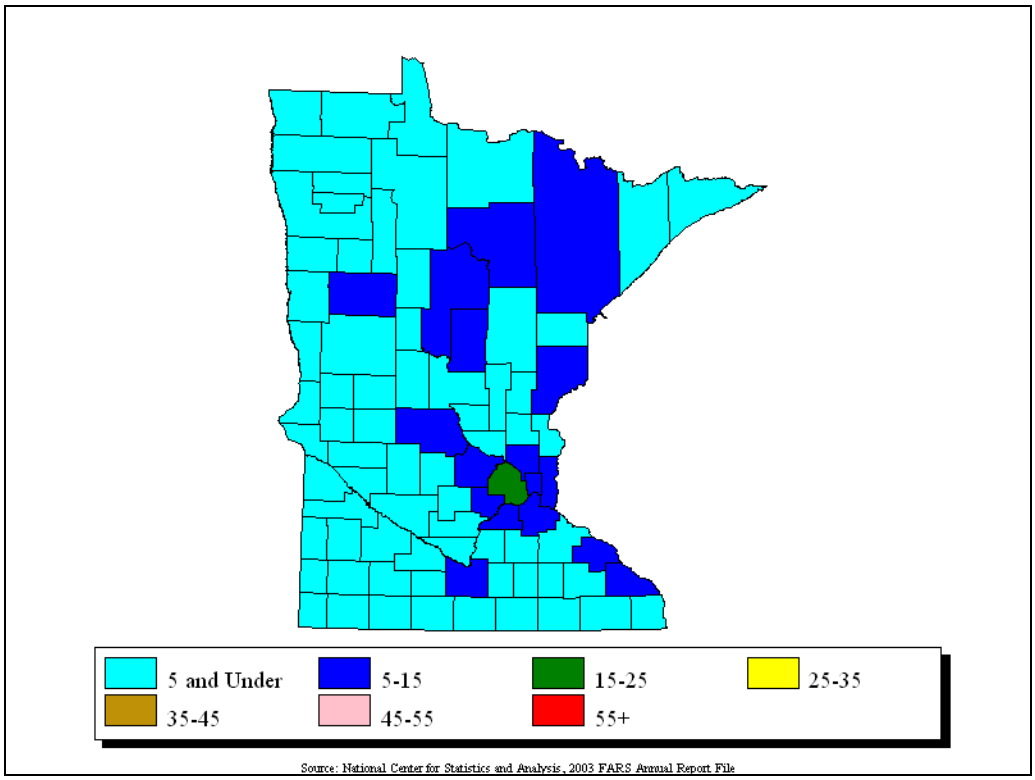
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MN vs. US	
Time Period	**MN (US)**
1982 to 2003	-56% (-64%)
Last 10 years	-6% (-24%)
Last 5 years	-16% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	+2% (-3%)

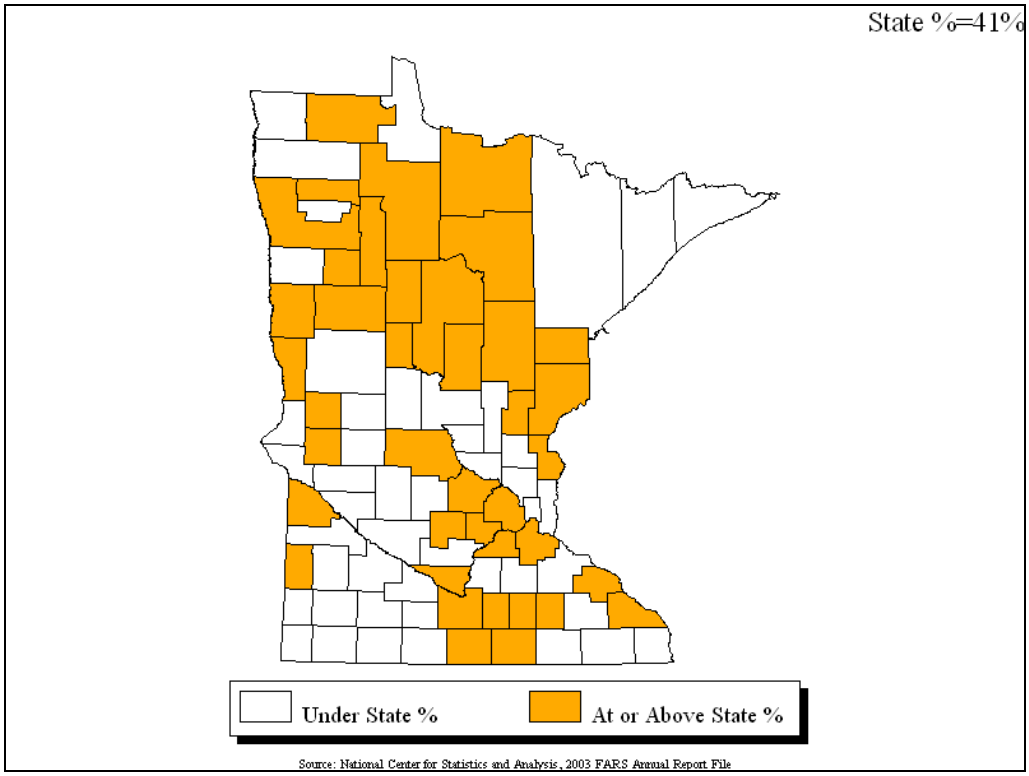
Change in 0.08+ Rates over time, MN vs. US	
Time Period	**MN (US)**
1982 to 2003	-58% (-65%)
Last 10 years	-7% (-25%)
Last 5 years	-13% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	+8% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



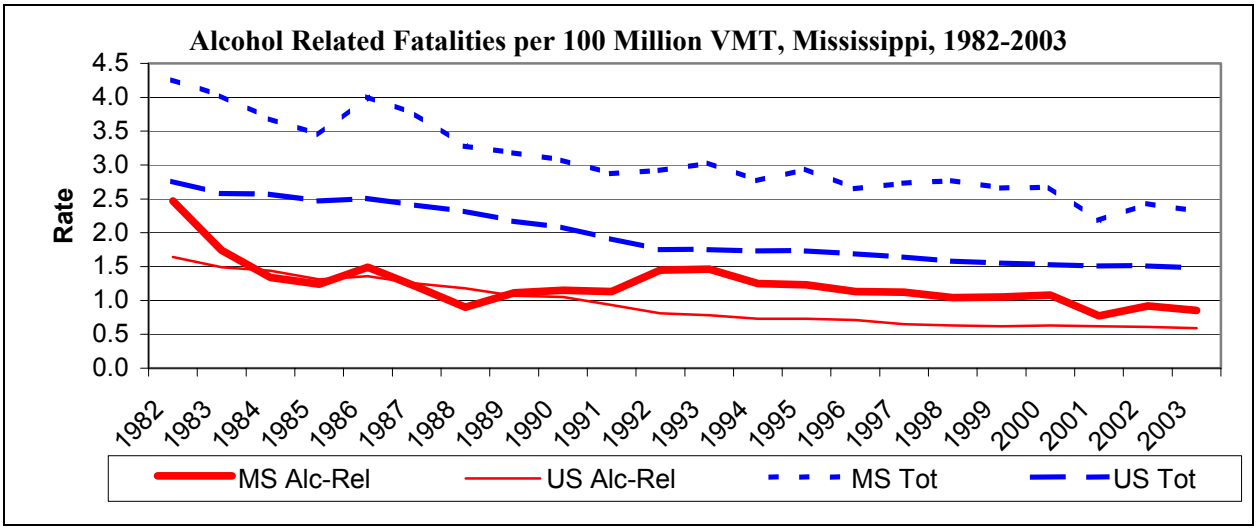
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	730	423	58	384	53	4.26	2.47	2.24
1983	715	310	43	284	40	4.02	1.74	1.60
1984	679	247	36	225	33	3.68	1.34	1.22
1985	662	238	36	207	31	3.45	1.24	1.08
1986	771	286	37	241	31	4.01	1.49	1.25
1987	756	242	32	213	28	3.75	1.20	1.06
1988	722	198	27	178	25	3.28	0.90	0.81
1989	727	255	35	231	32	3.18	1.11	1.01
1990	750	280	37	236	31	3.07	1.15	0.97
1991	714	282	40	251	35	2.87	1.13	1.01
1992	766	381	50	329	43	2.92	1.45	1.25
1993	813	392	48	334	41	3.03	1.46	1.24
1994	791	358	45	310	39	2.77	1.25	1.09
1995	868	363	42	333	38	2.94	1.23	1.13
1996	811	344	42	309	38	2.65	1.13	1.01
1997	861	352	41	323	38	2.73	1.12	1.02
1998	948	356	38	318	34	2.77	1.04	0.93
1999	927	367	40	330	36	2.66	1.05	0.95
2000	949	385	41	322	34	2.67	1.08	0.91
2001	784	277	35	248	32	2.18	0.77	0.69
2002	885	335	38	295	33	2.43	0.92	0.81
2003	871	320	37	288	33	2.32	0.85	0.77

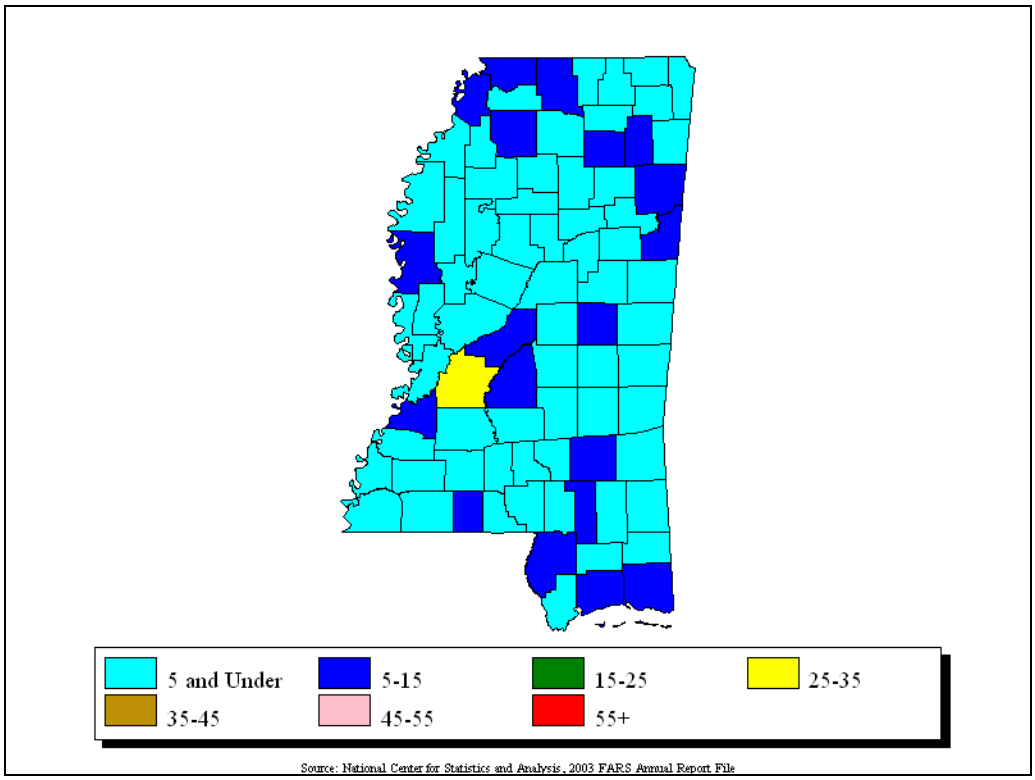
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MS vs. US	
Time Period	**MS (US)**
1982 to 2003	-66% (-64%)
Last 10 years	-42% (-24%)
Last 5 years	-18% (-6%)
Last 3 Years	-21% (-6%)
Last 1 Year	-8% (-3%)

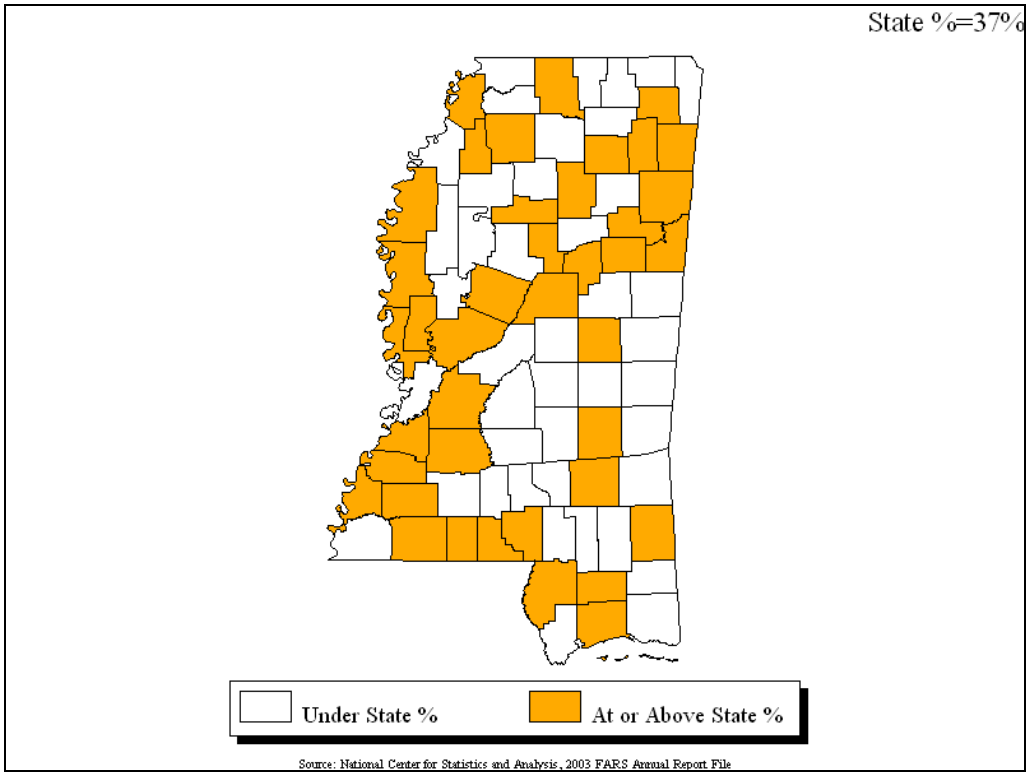
Change in 0.08+ Rates over time, MN vs. US	
Time Period	**MN (US)**
1982 to 2003	-66% (-65%)
Last 10 years	-38% (-25%)
Last 5 years	-17% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	-5% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



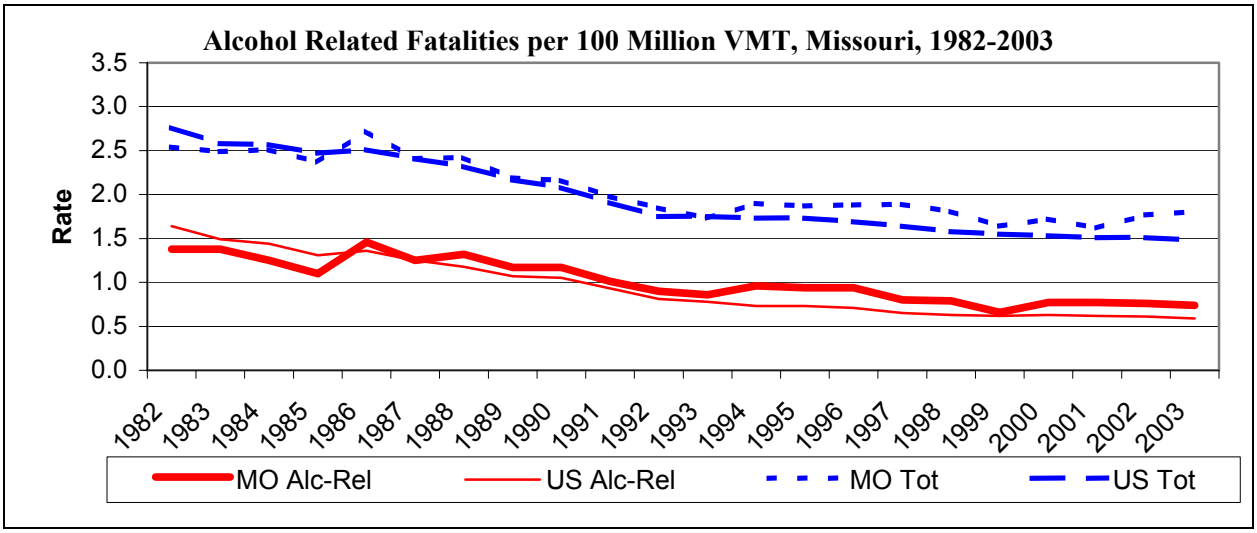
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	890	483	54	422	47	2.54	1.38	1.21
1983	911	505	55	461	51	2.49	1.38	1.26
1984	967	480	50	427	44	2.51	1.25	1.11
1985	931	434	47	383	41	2.37	1.10	0.97
1986	1,129	609	54	523	46	2.72	1.46	1.26
1987	1,045	542	52	483	46	2.41	1.25	1.11
1988	1,103	601	54	527	48	2.42	1.32	1.16
1989	1,052	562	53	484	46	2.19	1.17	1.01
1990	1,097	597	54	507	46	2.16	1.17	1.00
1991	1,011	516	51	454	45	1.98	1.01	0.89
1992	985	477	48	414	42	1.85	0.90	0.78
1993	947	474	50	419	44	1.73	0.86	0.76
1994	1,089	552	51	488	45	1.90	0.96	0.85
1995	1,109	560	50	489	44	1.87	0.94	0.82
1996	1,148	576	50	511	45	1.88	0.94	0.84
1997	1,192	504	42	433	36	1.89	0.80	0.69
1998	1,169	513	44	430	37	1.81	0.79	0.67
1999	1,094	438	40	368	34	1.64	0.66	0.55
2000	1,157	516	45	455	39	1.72	0.77	0.68
2001	1,098	520	47	440	40	1.62	0.77	0.65
2002	1,208	518	43	448	37	1.77	0.76	0.66
2003	1,232	504	41	425	34	1.81	0.74	0.62

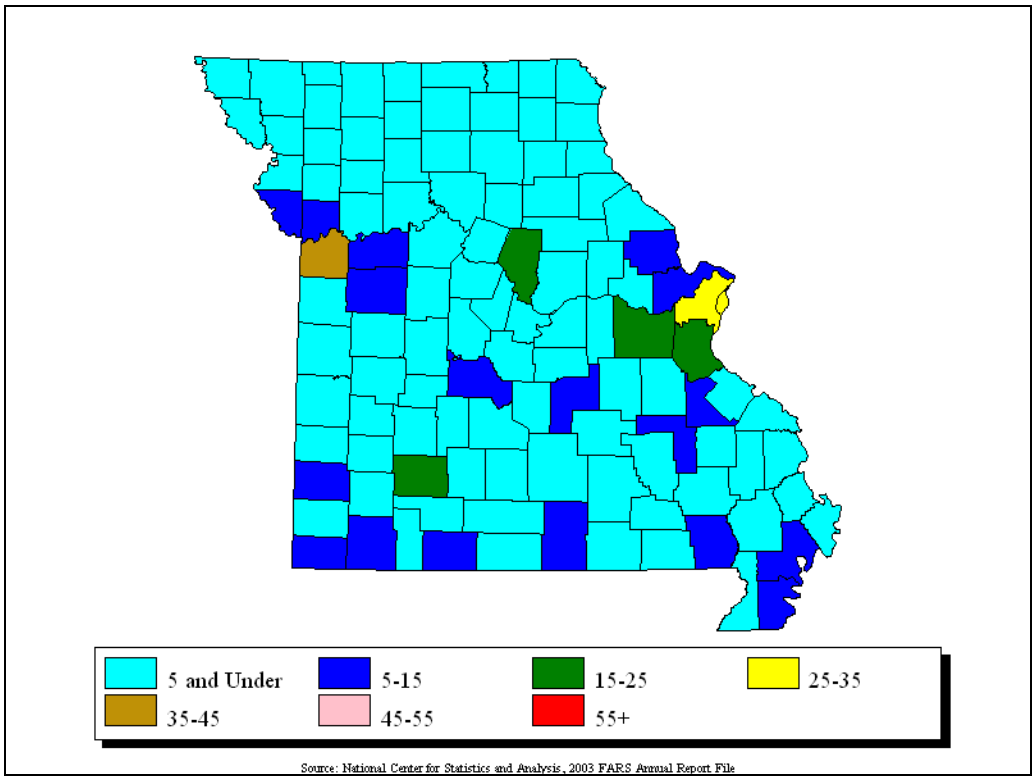
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MO vs. US	
Time Period	**MO (US)**
1982 to 2003	-46% (-64%)
Last 10 years	-14% (-24%)
Last 5 years	-6% (-6%)
Last 3 Years	-4% (-6%)
Last 1 Year	-3% (-3%)

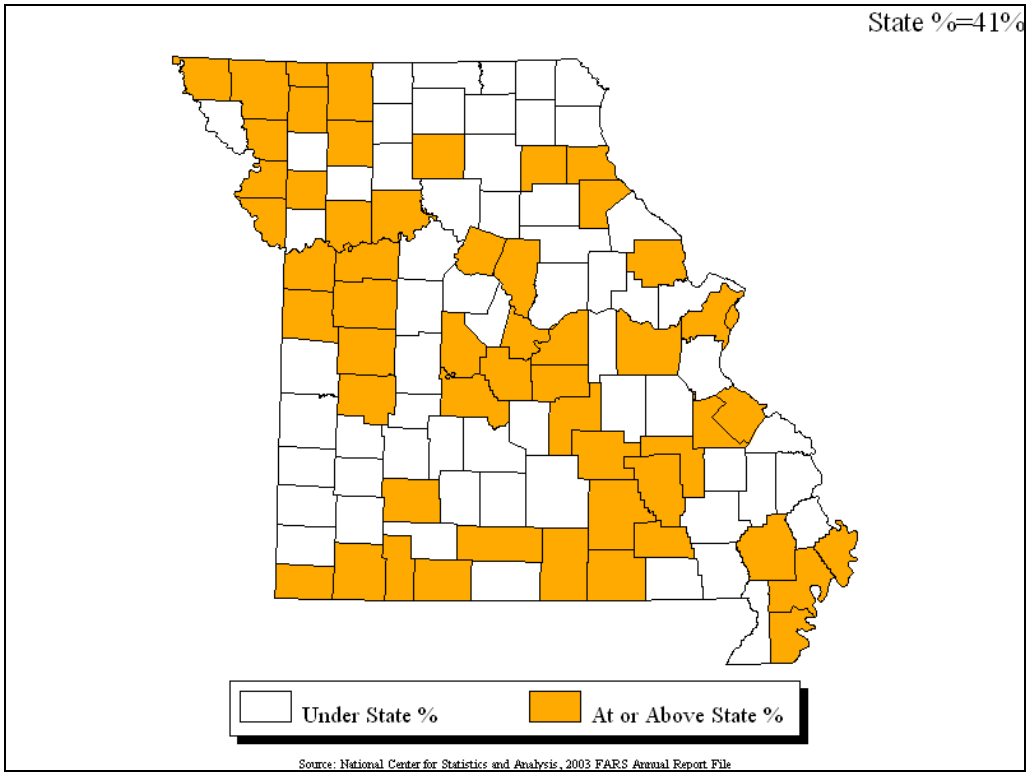
Change in 0.08+ Rates over time, MO vs. US	
Time Period	**MO (US)**
1982 to 2003	-49% (-65%)
Last 10 years	-18% (-25%)
Last 5 years	-7% (-6%)
Last 3 Years	-9% (-6%)
Last 1 Year	-6% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



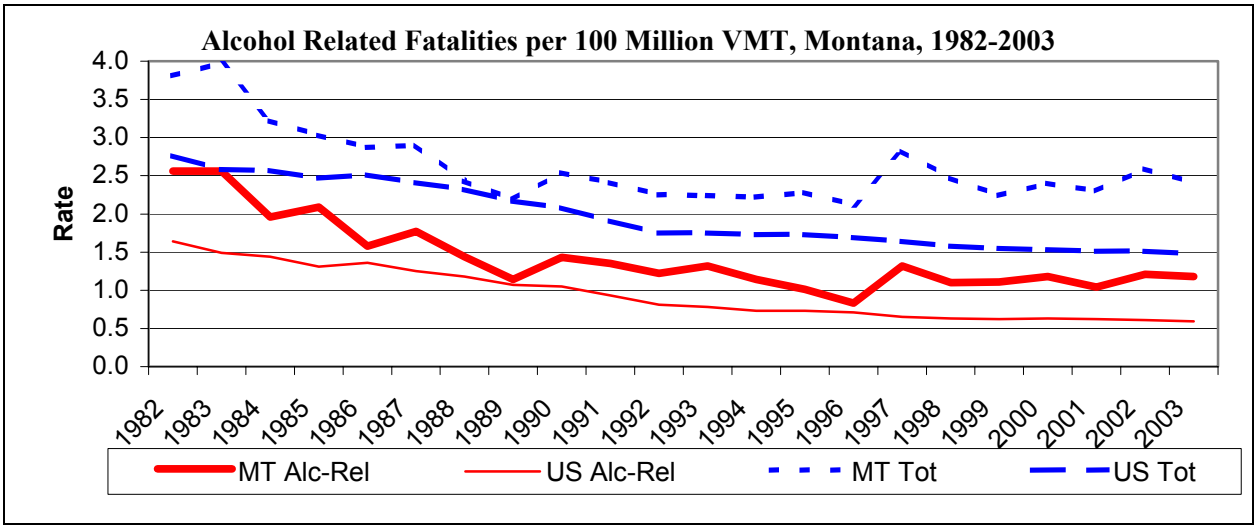
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	254	171	67	147	58	3.81	2.56	2.20
1983	286	184	64	168	59	3.98	2.56	2.34
1984	238	145	61	120	50	3.22	1.96	1.62
1985	223	154	69	135	60	3.03	2.09	1.83
1986	222	122	55	105	47	2.87	1.58	1.36
1987	234	143	61	130	56	2.90	1.77	1.61
1988	198	117	59	103	52	2.43	1.44	1.27
1989	181	94	52	81	45	2.19	1.14	0.98
1990	212	119	56	107	50	2.54	1.43	1.28
1991	200	112	56	104	52	2.41	1.35	1.25
1992	192	104	54	95	50	2.25	1.22	1.11
1993	195	115	59	99	51	2.24	1.32	1.14
1994	202	104	52	94	46	2.22	1.14	1.03
1995	215	95	44	84	39	2.28	1.01	0.89
1996	200	78	39	73	37	2.12	0.83	0.77
1997	265	124	47	112	42	2.82	1.32	1.19
1998	237	105	44	89	37	2.47	1.10	0.93
1999	220	109	49	98	45	2.24	1.11	1.00
2000	237	117	49	107	45	2.40	1.18	1.08
2001	230	104	45	96	42	2.30	1.04	0.96
2002	269	126	47	107	40	2.59	1.21	1.03
2003	262	128	49	108	41	2.41	1.18	0.99

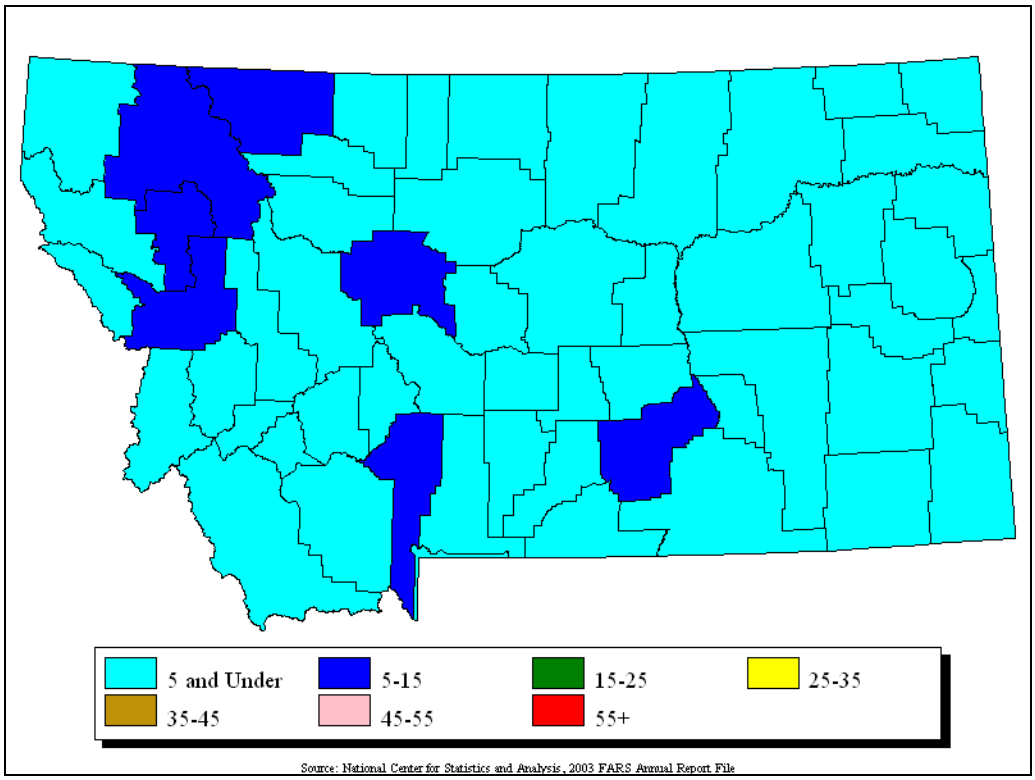
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, MT vs. US	
Time Period	**MT (US)**
1982 to 2003	-54% (-64%)
Last 10 years	-11% (-24%)
Last 5 years	+7% (-6%)
Last 3 Years	0% (-6%)
Last 1 Year	-2% (-3%)

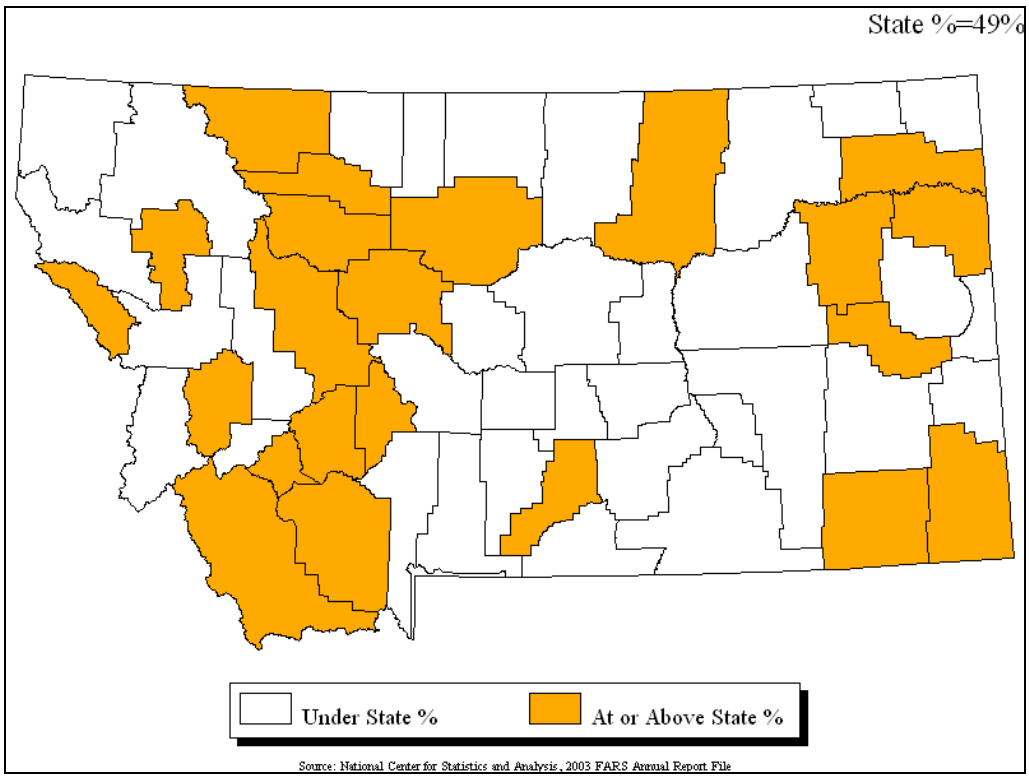
Change in 0.08+ Rates over time, MT vs. US	
Time Period	**MT (US)**
1982 to 2003	-55% (-65%)
Last 10 years	-13% (-25%)
Last 5 years	+6% (-6%)
Last 3 Years	-8% (-6%)
Last 1 Year	-4% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



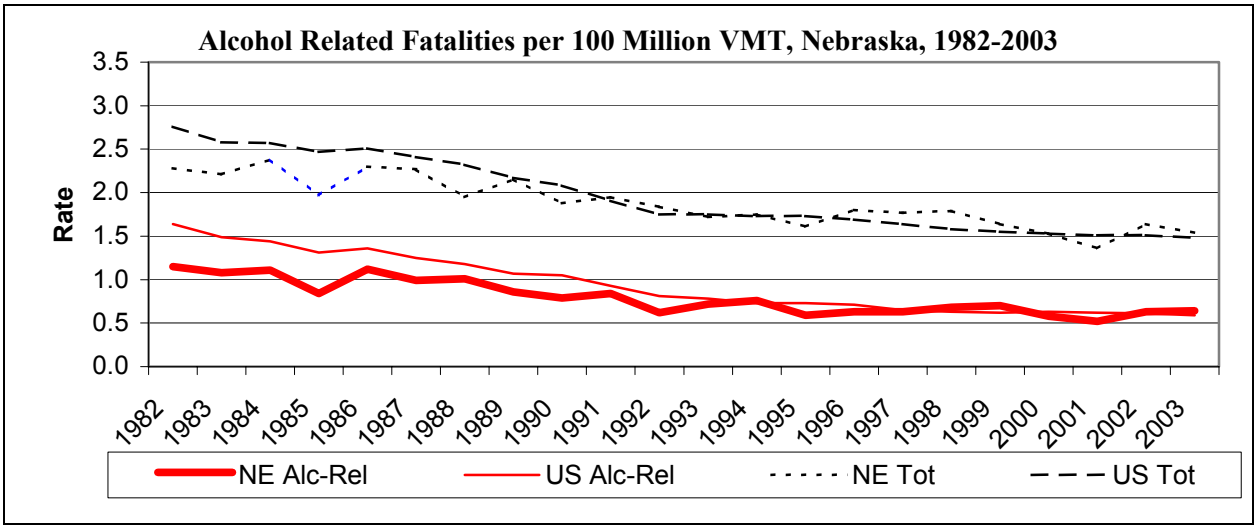
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	261	131	50	112	43	2.28	1.15	0.98
1983	255	125	49	111	44	2.21	1.08	0.96
1984	285	133	47	113	40	2.38	1.11	0.94
1985	237	101	43	85	36	1.97	0.84	0.71
1986	290	141	49	119	41	2.30	1.12	0.94
1987	297	130	44	99	33	2.27	0.99	0.76
1988	261	135	52	113	43	1.95	1.01	0.84
1989	296	118	40	100	34	2.15	0.86	0.73
1990	262	110	42	93	36	1.88	0.79	0.67
1991	275	118	43	95	35	1.95	0.84	0.67
1992	269	91	34	71	26	1.84	0.62	0.49
1993	254	106	42	78	31	1.72	0.72	0.53
1994	271	117	43	88	33	1.75	0.76	0.57
1995	254	94	37	73	29	1.61	0.59	0.46
1996	293	102	35	85	29	1.80	0.63	0.52
1997	302	108	36	93	31	1.77	0.63	0.54
1998	315	120	38	96	31	1.79	0.68	0.55
1999	295	126	43	105	36	1.64	0.70	0.58
2000	276	104	38	79	29	1.53	0.58	0.44
2001	246	94	38	75	31	1.36	0.52	0.41
2002	307	117	38	96	31	1.64	0.63	0.51
2003	293	121	41	99	34	1.54	0.64	0.52

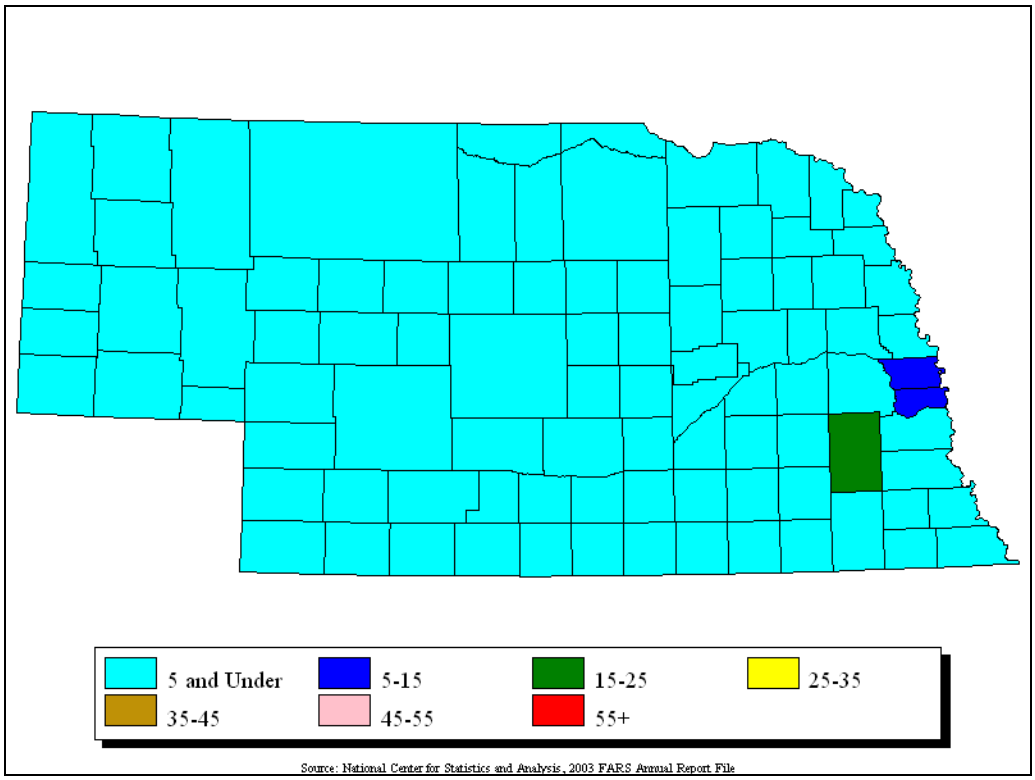
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NE vs. US	
Time Period	**NE (US)**
1982 to 2003	-44% (-64%)
Last 10 years	-11% (-24%)
Last 5 years	-6% (-6%)
Last 3 Years	+10% (-6%)
Last 1 Year	+2% (-3%)

Change in 0.08+ Rates over time, NE vs. US	
Time Period	**NE (US)**
1982 to 2003	-47% (-65%)
Last 10 years	-2% (-25%)
Last 5 years	-5% (-6%)
Last 3 Years	+18% (-6%)
Last 1 Year	+2% (-4%)

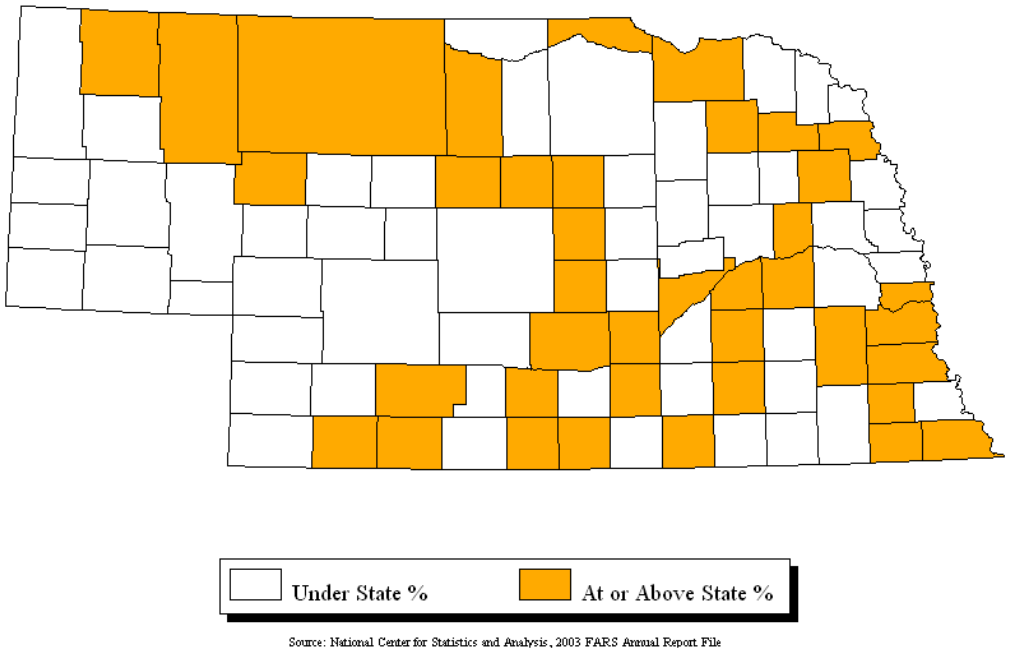


Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]

State %=41%



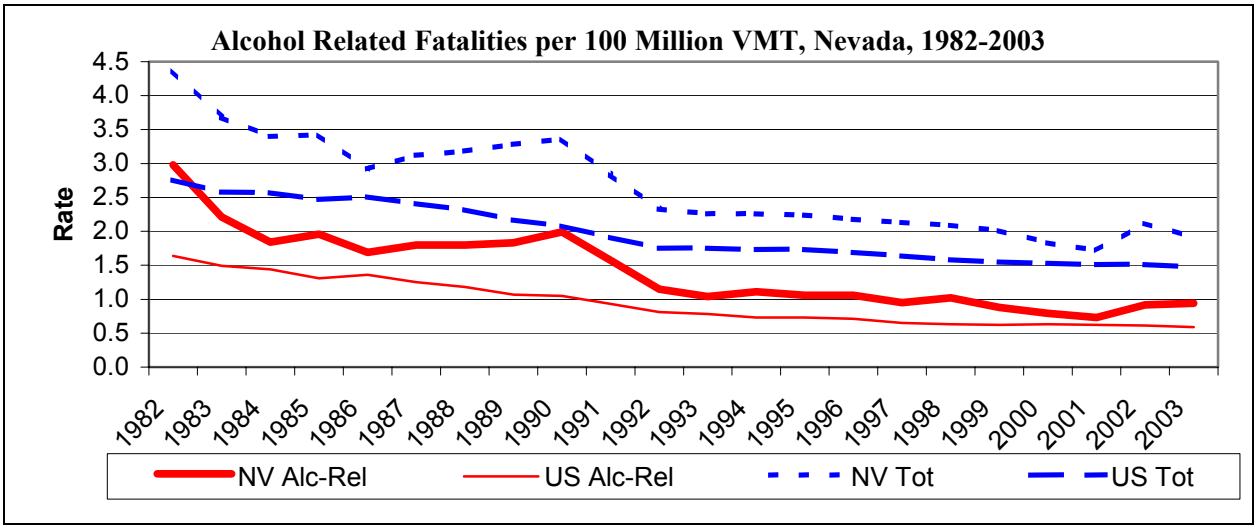
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	280	191	68	170	61	4.37	2.98	2.65
1983	253	152	60	134	53	3.68	2.21	1.95
1984	249	135	54	119	48	3.40	1.84	1.62
1985	259	148	57	132	51	3.42	1.96	1.74
1986	233	135	58	115	49	2.92	1.69	1.44
1987	262	151	58	126	48	3.12	1.80	1.50
1988	286	162	57	135	47	3.18	1.80	1.50
1989	308	172	56	158	51	3.28	1.83	1.68
1990	343	203	59	184	54	3.36	1.99	1.80
1991	298	165	55	144	48	2.84	1.57	1.37
1992	254	125	49	114	45	2.33	1.15	1.05
1993	263	121	46	99	38	2.26	1.04	0.85
1994	294	144	49	123	42	2.26	1.11	0.94
1995	313	148	47	131	42	2.24	1.06	0.94
1996	348	170	49	143	41	2.18	1.06	0.89
1997	347	155	45	125	36	2.13	0.95	0.77
1998	361	176	49	137	38	2.19	1.07	0.83
1999	350	153	44	122	35	2.01	0.88	0.70
2000	323	140	43	119	37	1.83	0.79	0.67
2001	314	133	42	112	36	1.72	0.73	0.61
2002	381	165	43	143	37	2.12	0.92	0.80
2003	368	182	50	159	43	1.91	0.94	0.82

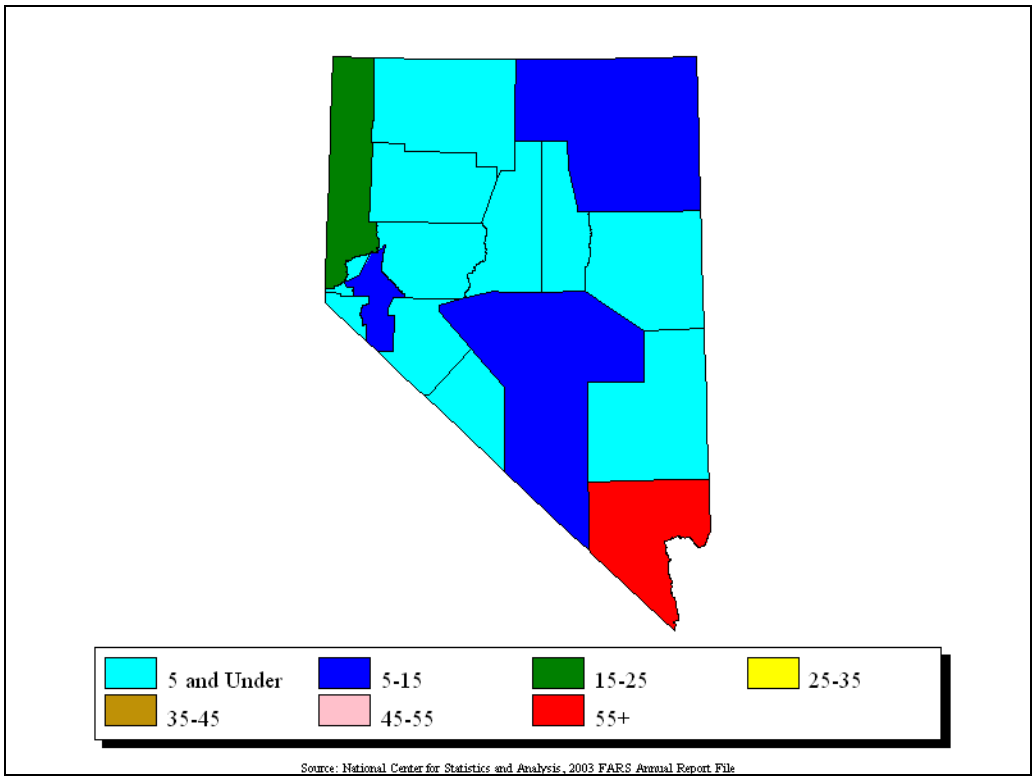
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NV vs. US	
Time Period	**NV (US)**
1982 to 2003	-68% (-64%)
Last 10 years	-10% (-24%)
Last 5 years	-12% (-6%)
Last 3 Years	+19% (-6%)
Last 1 Year	+2% (-3%)

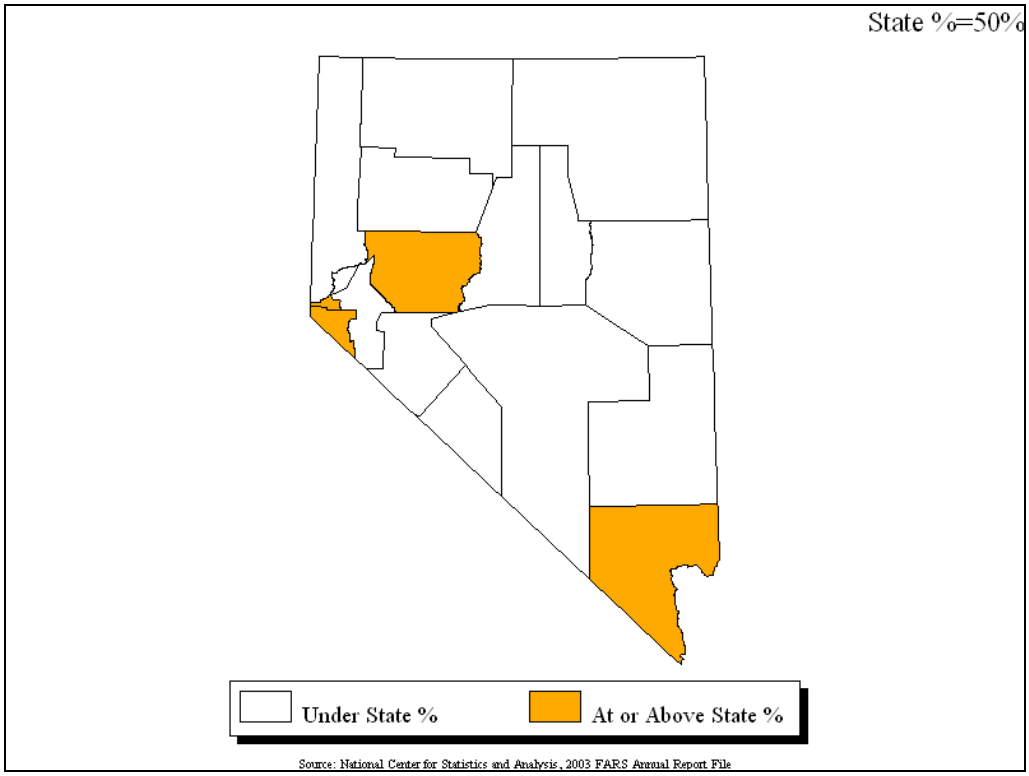
Change in 0.08+ Rates over time, NV vs. US	
Time Period	**NV (US)**
1982 to 2003	-69% (-65%)
Last 10 years	-4% (-25%)
Last 5 years	-1% (-6%)
Last 3 Years	+22% (-6%)
Last 1 Year	+3% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



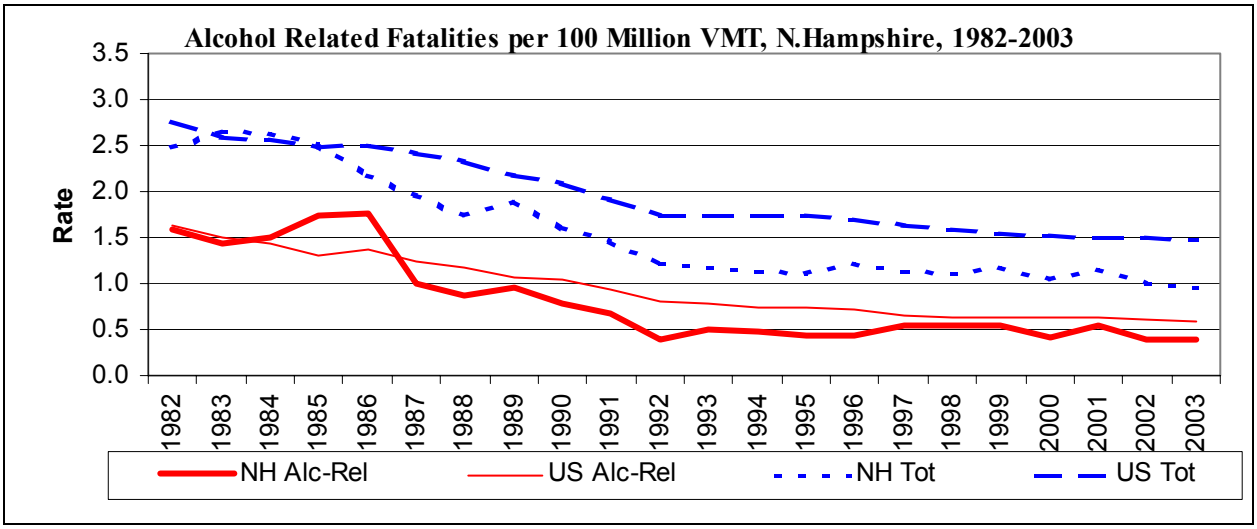
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	173	111	64	98	57	2.48	1.59	1.41
1983	191	103	54	92	48	2.66	1.43	1.28
1984	192	109	57	96	50	2.63	1.49	1.32
1985	191	132	69	79	42	2.53	1.75	1.05
1986	172	139	81	75	44	2.17	1.76	0.95
1987	179	93	52	64	36	1.95	1.01	0.70
1988	166	84	51	64	38	1.73	0.88	0.67
1989	187	93	50	78	42	1.90	0.95	0.79
1990	158	77	48	67	42	1.61	0.78	0.68
1991	144	67	46	61	42	1.45	0.67	0.61
1992	122	40	32	36	30	1.21	0.40	0.36
1993	121	52	43	47	39	1.17	0.50	0.45
1994	119	50	42	45	38	1.13	0.48	0.43
1995	118	47	39	36	31	1.11	0.44	0.34
1996	134	47	35	41	31	1.22	0.43	0.37
1997	125	60	48	51	41	1.12	0.54	0.46
1998	128	63	49	45	35	1.11	0.54	0.39
1999	140	66	47	45	32	1.18	0.55	0.38
2000	126	49	39	45	35	1.05	0.41	0.37
2001	142	67	47	53	37	1.15	0.54	0.43
2002	127	50	39	45	35	1.01	0.40	0.36
2003	127	52	41	43	34	0.96	0.39	0.33

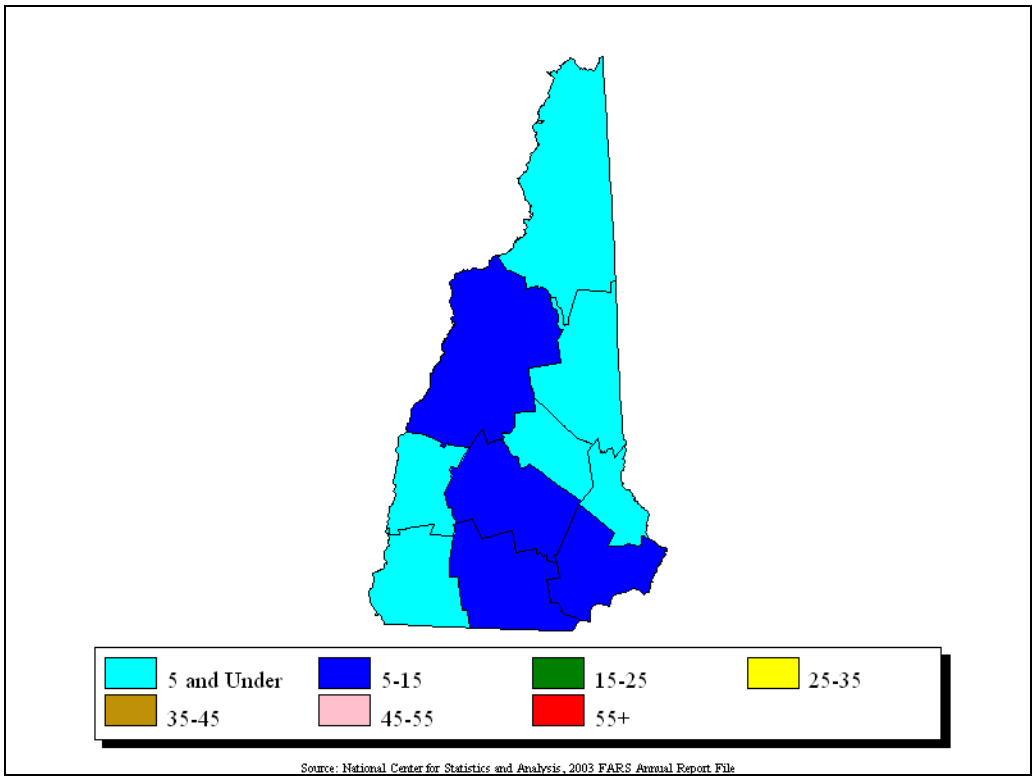
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NH vs. US	
Time Period	**NH (US)**
1982 to 2003	-75% (-64%)
Last 10 years	-22% (-24%)
Last 5 years	-28% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	-3% (-3%)

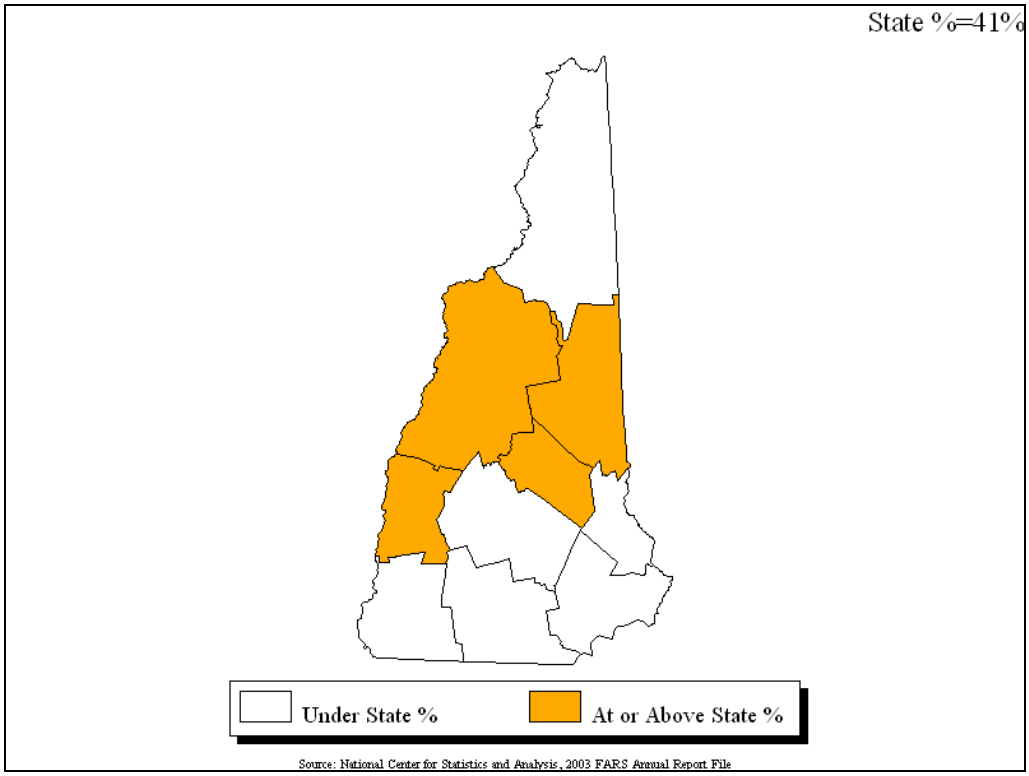
Change in 0.08+ Rates over time, NH vs. US	
Time Period	**NH (US)**
1982 to 2003	-77% (-65%)
Last 10 years	-27% (-25%)
Last 5 years	-15% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	-8% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



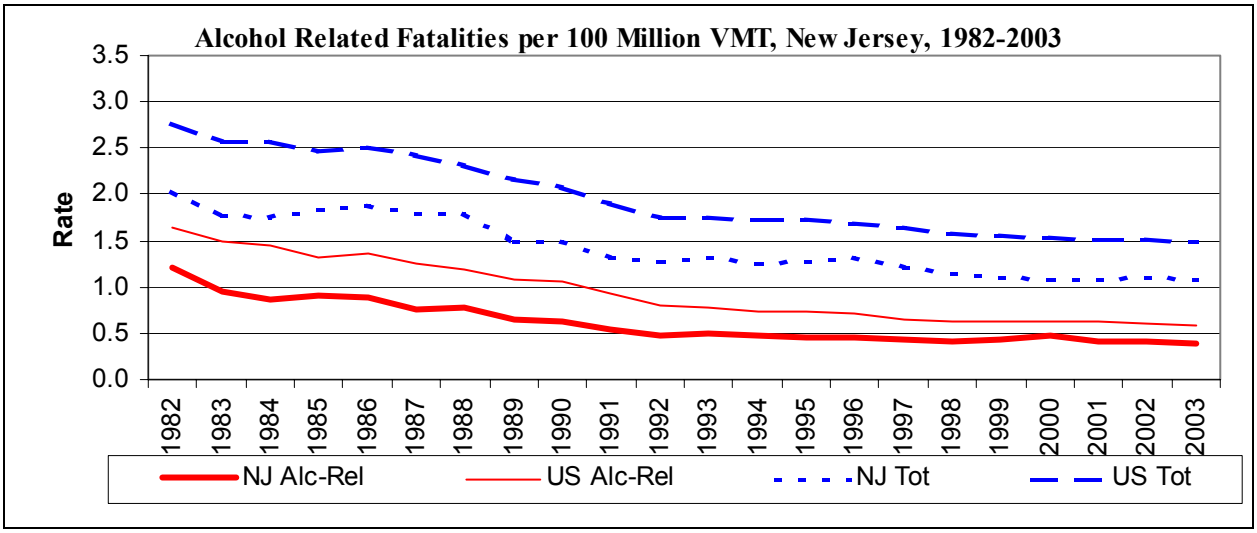
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,061	622	59	515	49	2.04	1.20	0.99
1983	932	494	53	434	47	1.78	0.95	0.83
1984	922	451	49	380	41	1.76	0.86	0.73
1985	964	479	50	408	42	1.83	0.91	0.77
1986	1,039	490	47	394	38	1.87	0.88	0.71
1987	1,023	435	43	357	35	1.79	0.76	0.63
1988	1,051	457	43	392	37	1.79	0.78	0.67
1989	891	384	43	315	35	1.49	0.64	0.53
1990	886	366	41	304	34	1.50	0.62	0.52
1991	783	320	41	268	34	1.32	0.54	0.45
1992	763	280	37	222	29	1.28	0.47	0.37
1993	789	290	37	227	29	1.32	0.49	0.38
1994	761	289	38	251	33	1.26	0.48	0.42
1995	774	277	36	223	29	1.27	0.45	0.37
1996	814	283	35	229	28	1.31	0.45	0.37
1997	775	278	36	222	29	1.23	0.44	0.35
1998	741	267	36	207	28	1.15	0.41	0.32
1999	726	283	39	240	33	1.11	0.43	0.37
2000	731	322	44	271	37	1.08	0.48	0.40
2001	745	285	38	235	32	1.08	0.41	0.34
2002	771	281	36	240	31	1.10	0.40	0.34
2003	747	275	37	240	32	1.07	0.39	0.34

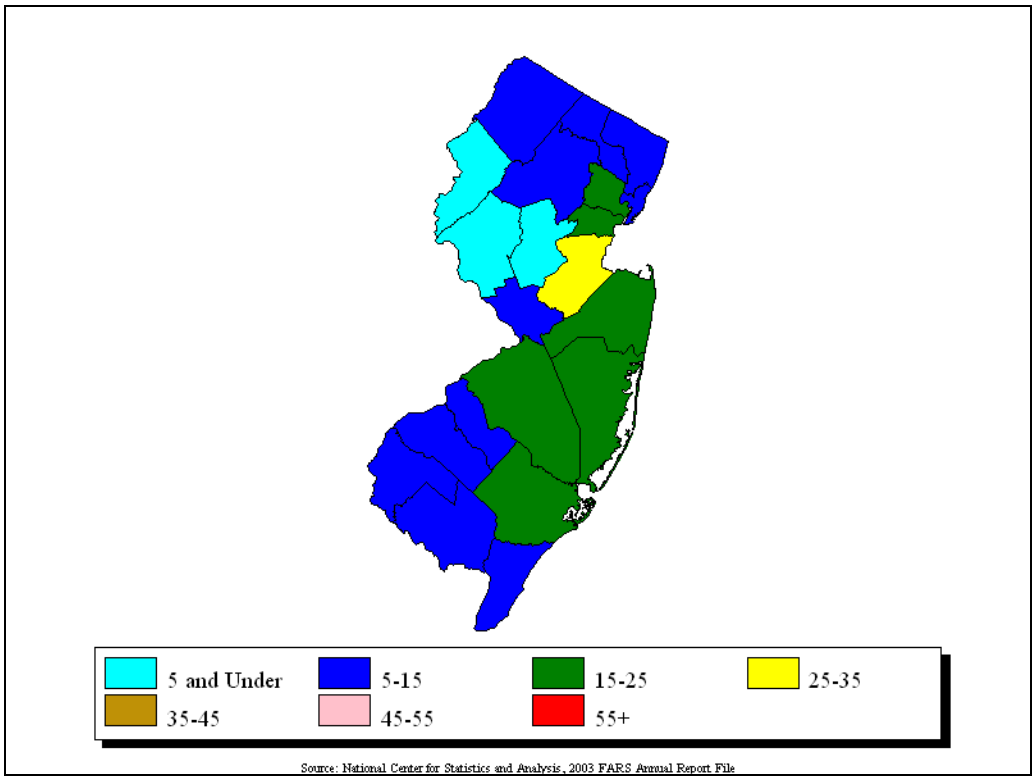
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NJ vs. US	
Time Period	**NJ (US)**
1982 to 2003	-68% (-64%)
Last 10 years	-20% (-24%)
Last 5 years	-5% (-6%)
Last 3 Years	-19% (-6%)
Last 1 Year	-3% (-3%)

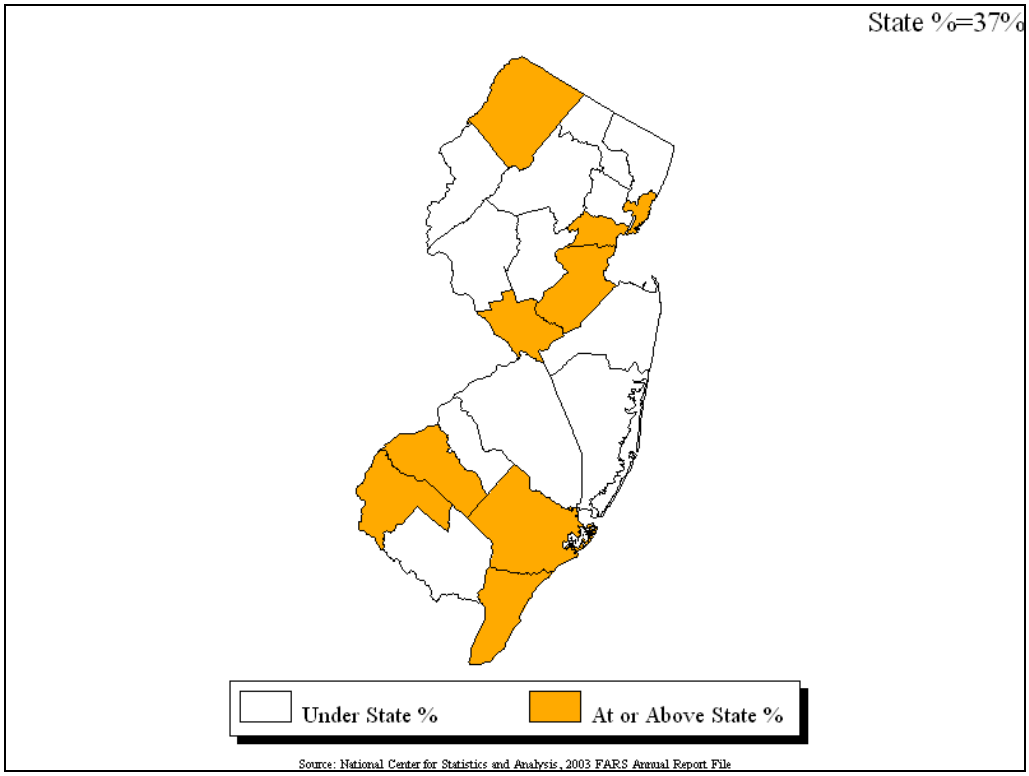
Change in 0.08+ Rates over time, NJ vs. US	
Time Period	**NJ (US)**
1982 to 2003	-66% (-65%)
Last 10 years	-11% (-25%)
Last 5 years	+6% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	0% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



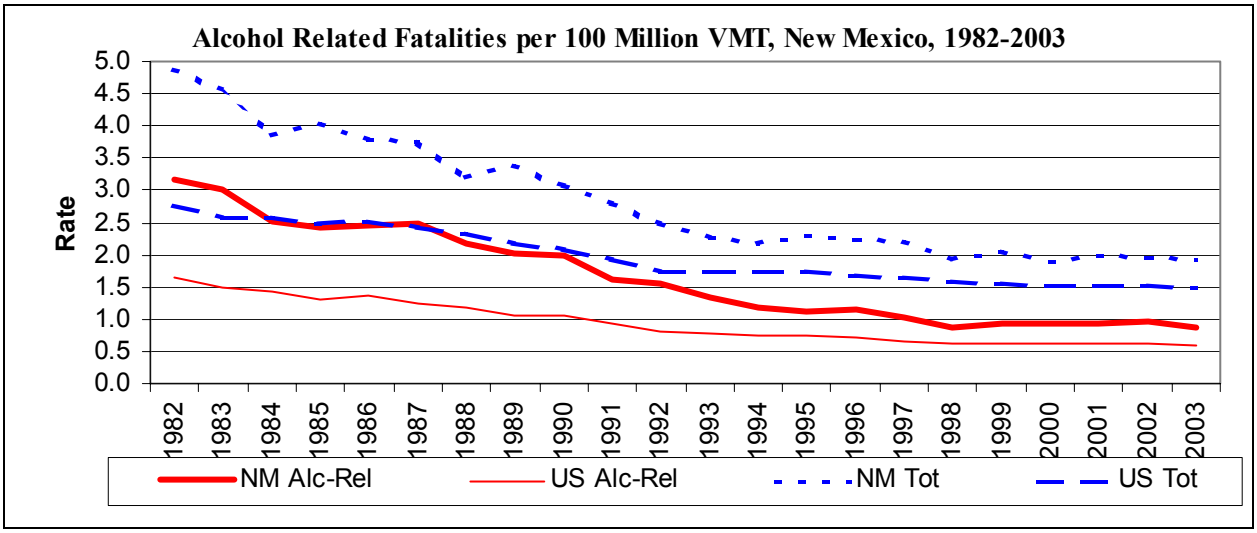
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	577	375	65	329	57	4.87	3.16	2.78
1983	531	350	66	320	60	4.55	3.00	2.74
1984	497	326	66	293	59	3.85	2.53	2.27
1985	535	320	60	284	53	4.03	2.41	2.14
1986	499	322	65	280	56	3.79	2.44	2.13
1987	568	373	66	322	57	3.76	2.47	2.13
1988	487	332	68	293	60	3.19	2.17	1.92
1989	538	321	60	281	52	3.40	2.03	1.77
1990	499	323	65	289	58	3.09	2.00	1.79
1991	469	270	58	248	53	2.80	1.61	1.48
1992	460	285	62	263	57	2.49	1.54	1.43
1993	431	254	59	225	52	2.28	1.34	1.19
1994	447	240	54	212	47	2.18	1.17	1.04
1995	485	240	49	215	44	2.29	1.13	1.02
1996	485	247	51	221	46	2.25	1.15	1.03
1997	484	224	46	194	40	2.21	1.02	0.88
1998	424	196	46	171	40	1.91	0.88	0.77
1999	460	206	45	177	39	2.05	0.92	0.79
2000	432	213	49	177	41	1.90	0.94	0.78
2001	464	216	47	183	39	2.00	0.93	0.79
2002	449	219	49	192	43	1.97	0.96	0.84
2003	439	198	45	170	39	1.92	0.87	0.74

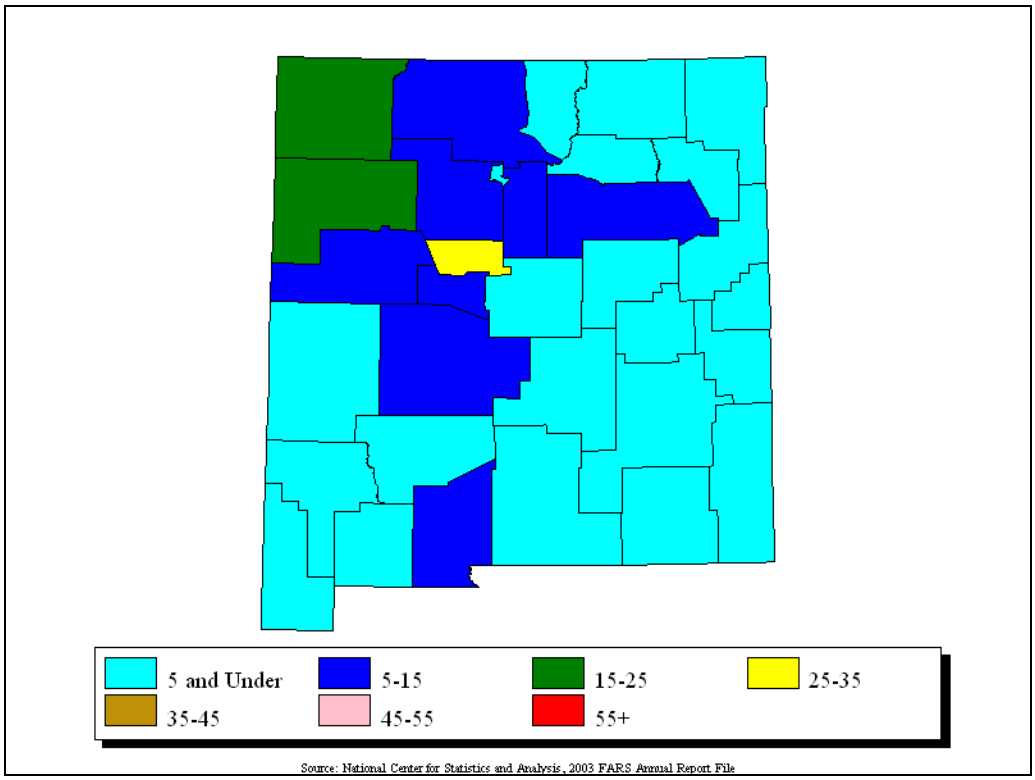
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NM vs. US	
Time Period	**NM (US)**
1982 to 2003	-75% (-64%)
Last 10 years	-35% (-24%)
Last 5 years	-1% (-6%)
Last 3 Years	-7% (-6%)
Last 1 Year	-9% (-3%)

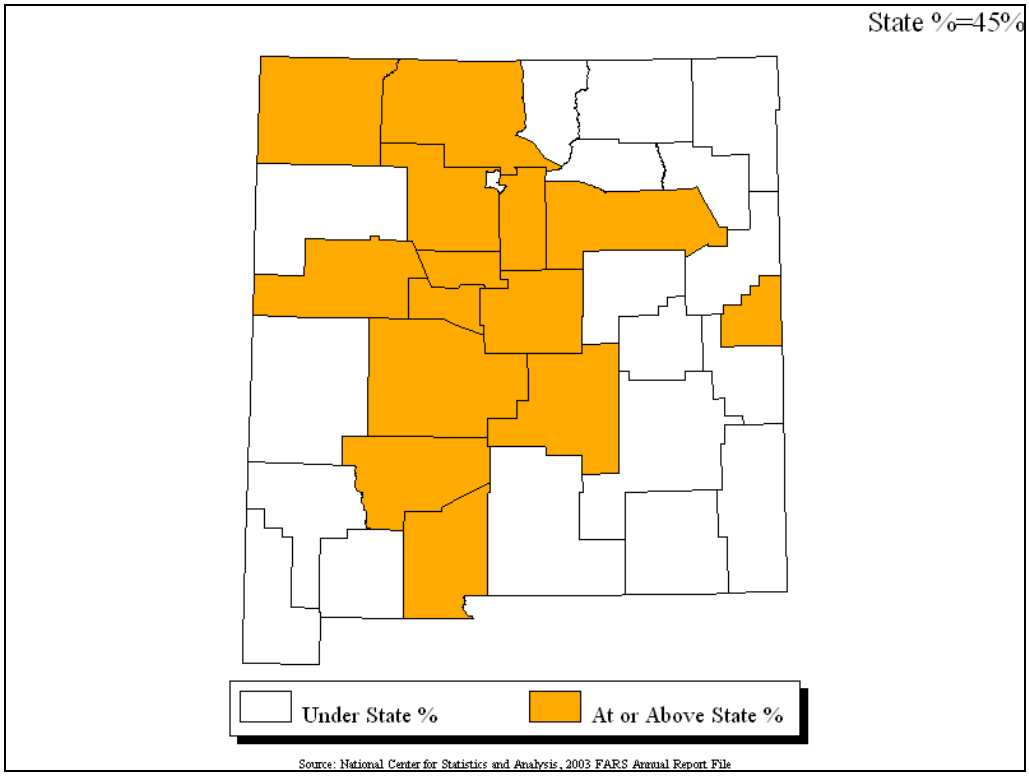
Change in 0.08+ Rates over time, NM vs. US	
Time Period	**NM (US)**
1982 to 2003	-73% (-65%)
Last 10 years	-38% (-25%)
Last 5 years	-4% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	-12% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



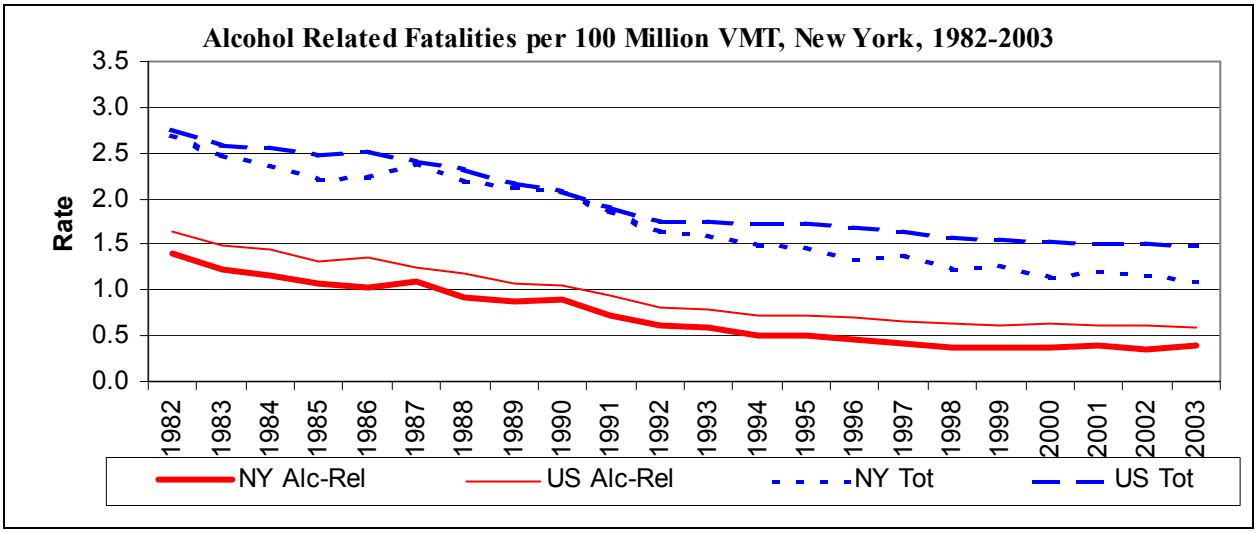
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	2,162	1,131	52	977	45	2.69	1.41	1.21
1983	2,077	1,019	49	899	43	2.48	1.22	1.07
1984	2,060	1,023	50	865	42	2.36	1.17	0.99
1985	2,006	966	48	808	40	2.22	1.07	0.89
1986	2,121	979	46	803	38	2.24	1.03	0.85
1987	2,339	1,081	46	875	37	2.39	1.10	0.89
1988	2,256	946	42	770	34	2.18	0.91	0.74
1989	2,260	924	41	778	34	2.13	0.87	0.73
1990	2,217	952	43	802	36	2.07	0.89	0.75
1991	2,008	787	39	691	34	1.87	0.73	0.64
1992	1,815	676	37	559	31	1.65	0.62	0.51
1993	1,790	650	36	542	30	1.59	0.58	0.48
1994	1,678	560	33	471	28	1.49	0.50	0.42
1995	1,679	577	34	482	29	1.46	0.50	0.42
1996	1,593	557	35	470	29	1.34	0.47	0.40
1997	1,652	512	31	423	26	1.37	0.42	0.35
1998	1,514	451	30	333	22	1.23	0.37	0.27
1999	1,599	483	30	399	25	1.26	0.38	0.32
2000	1,460	476	33	382	26	1.13	0.37	0.30
2001	1,564	505	32	412	26	1.20	0.39	0.32
2002	1,530	482	31	403	26	1.15	0.36	0.30
2003	1,491	529	35	458	31	1.10	0.39	0.34

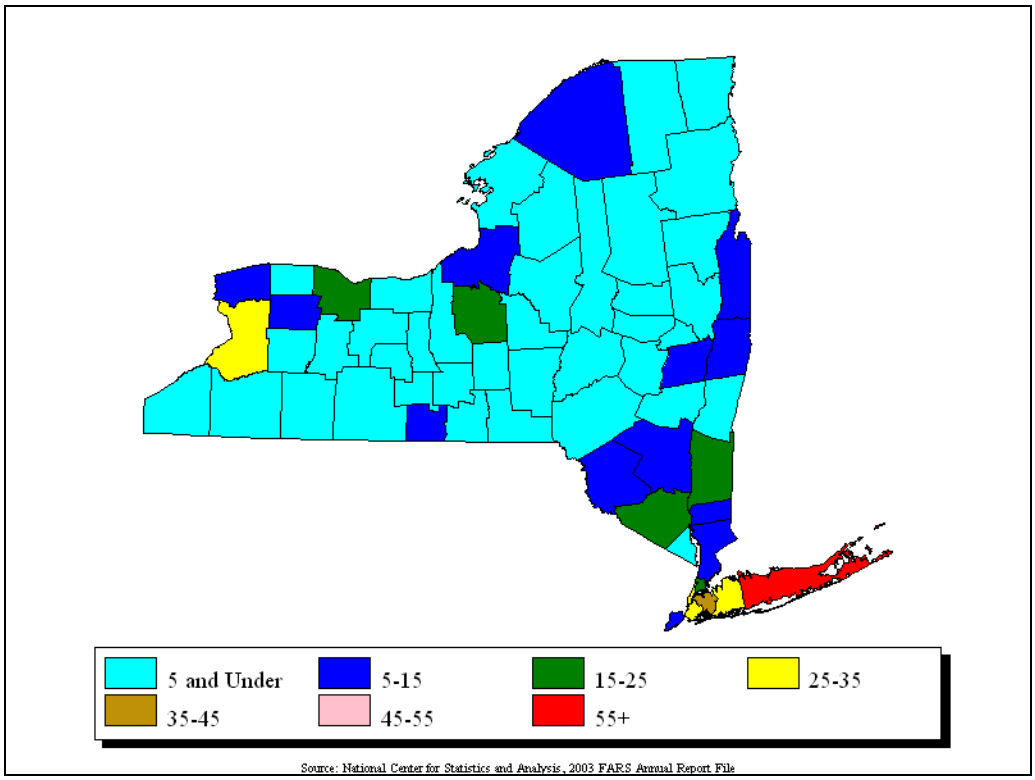
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NY vs. US	
Time Period	**NY (US)**
1982 to 2003	-72% (-64%)
Last 10 years	-33% (-24%)
Last 5 years	+5% (-6%)
Last 3 Years	+5% (-6%)
Last 1 Year	+8% (-3%)

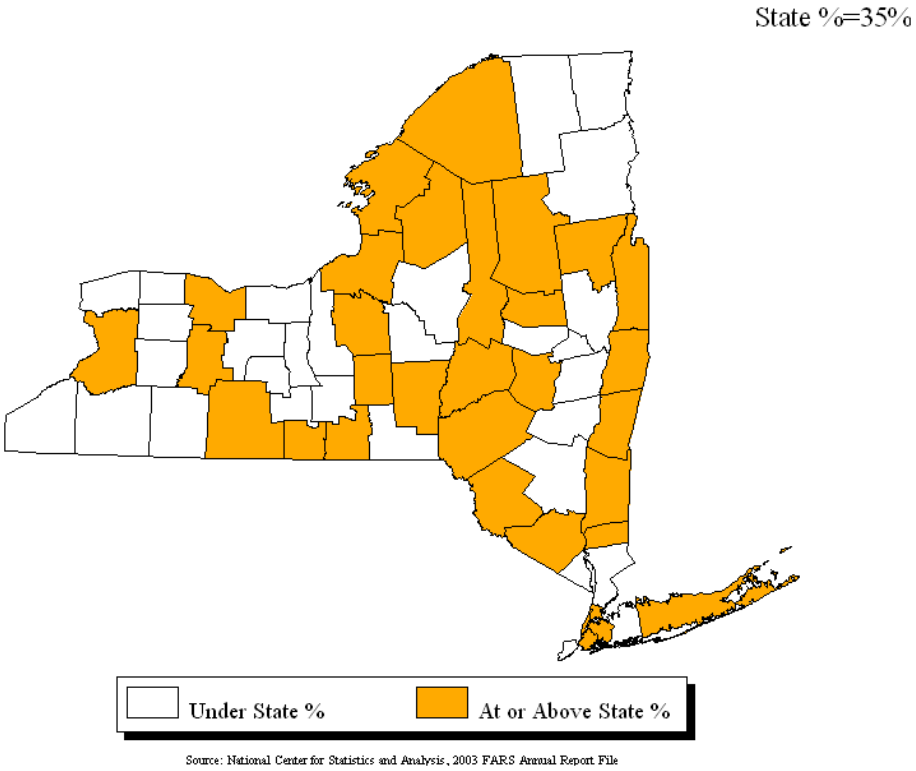
Change in 0.08+ Rates over time, NY vs. US	
Time Period	**NY (US)**
1982 to 2003	-72% (-65%)
Last 10 years	-29% (-25%)
Last 5 years	+26% (-6%)
Last 3 Years	+13% (-6%)
Last 1 Year	+13% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



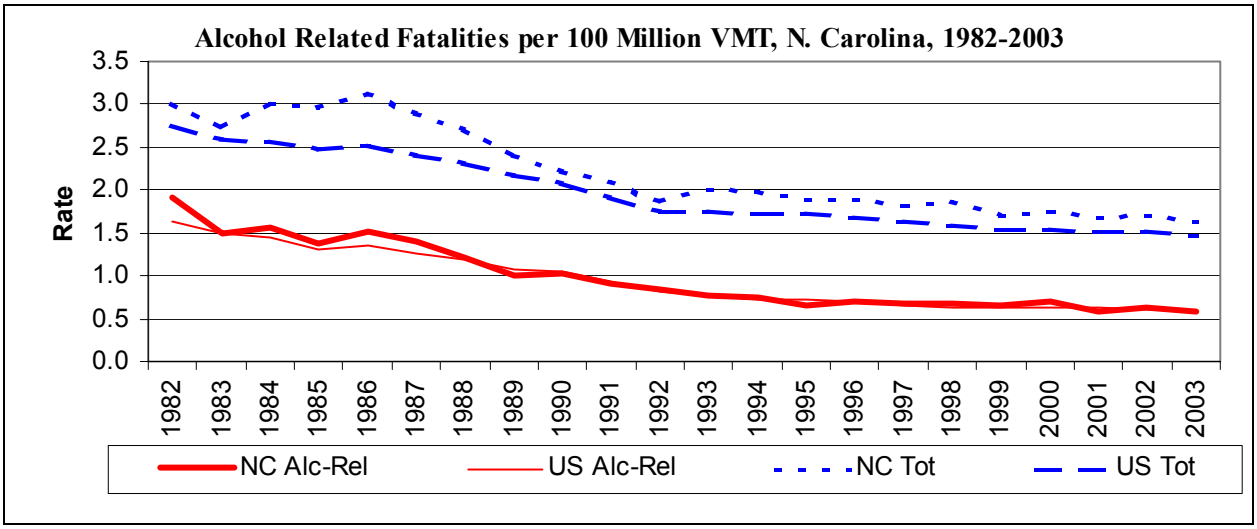
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,303	827	63	743	57	3.02	1.92	1.72
1983	1,234	672	54	609	49	2.74	1.49	1.35
1984	1,450	750	52	672	46	3.01	1.56	1.39
1985	1,482	686	46	605	41	2.97	1.37	1.21
1986	1,647	806	49	711	43	3.12	1.52	1.34
1987	1,584	764	48	682	43	2.90	1.40	1.25
1988	1,573	709	45	633	40	2.71	1.22	1.09
1989	1,471	621	42	556	38	2.40	1.01	0.91
1990	1,385	644	46	575	42	2.21	1.03	0.92
1991	1,369	600	44	547	40	2.11	0.92	0.84
1992	1,265	567	45	502	40	1.87	0.84	0.74
1993	1,389	529	38	459	33	2.00	0.76	0.66
1994	1,431	535	37	473	33	1.99	0.74	0.66
1995	1,448	501	35	443	31	1.90	0.66	0.58
1996	1,494	546	37	471	32	1.89	0.69	0.60
1997	1,483	545	37	472	32	1.81	0.67	0.58
1998	1,596	581	36	506	32	1.87	0.68	0.59
1999	1,505	573	38	491	33	1.71	0.65	0.56
2000	1,557	614	39	533	34	1.74	0.69	0.60
2001	1,530	536	35	458	30	1.67	0.59	0.50
2002	1,576	592	38	527	33	1.70	0.64	0.57
2003	1,531	554	36	474	31	1.63	0.59	0.51

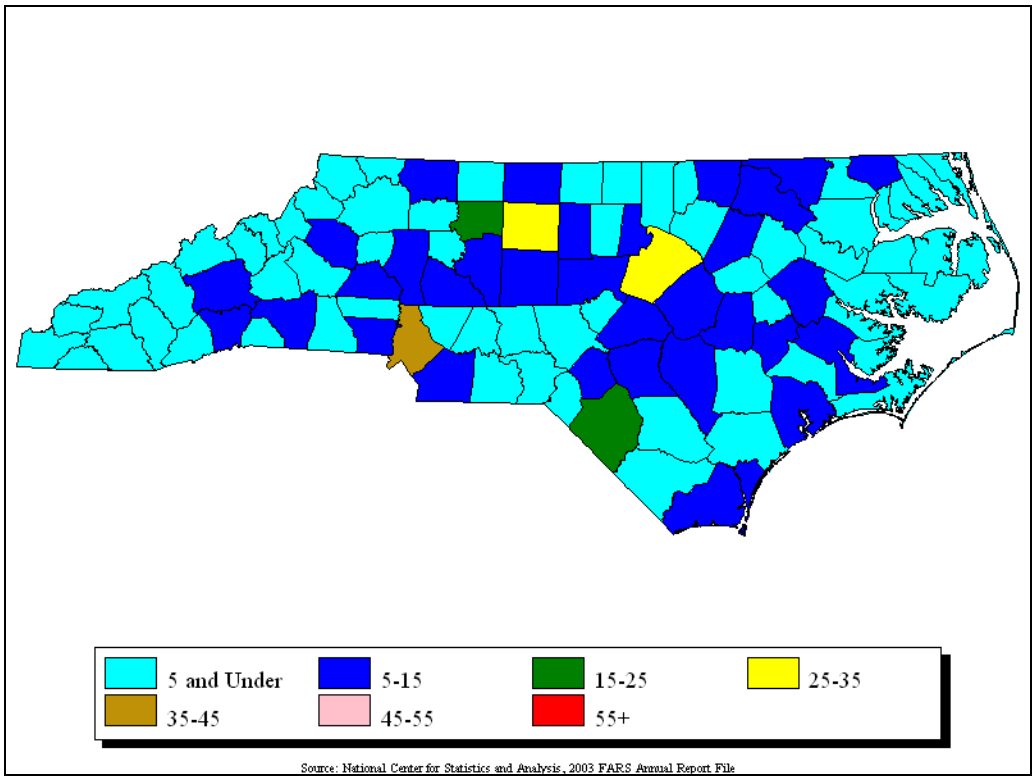
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, NC vs. US	
Time Period	**NC (US)**
1982 to 2003	-69% (-64%)
Last 10 years	-22% (-24%)
Last 5 years	-13% (-6%)
Last 3 Years	-14% (-6%)
Last 1 Year	-8% (-3%)

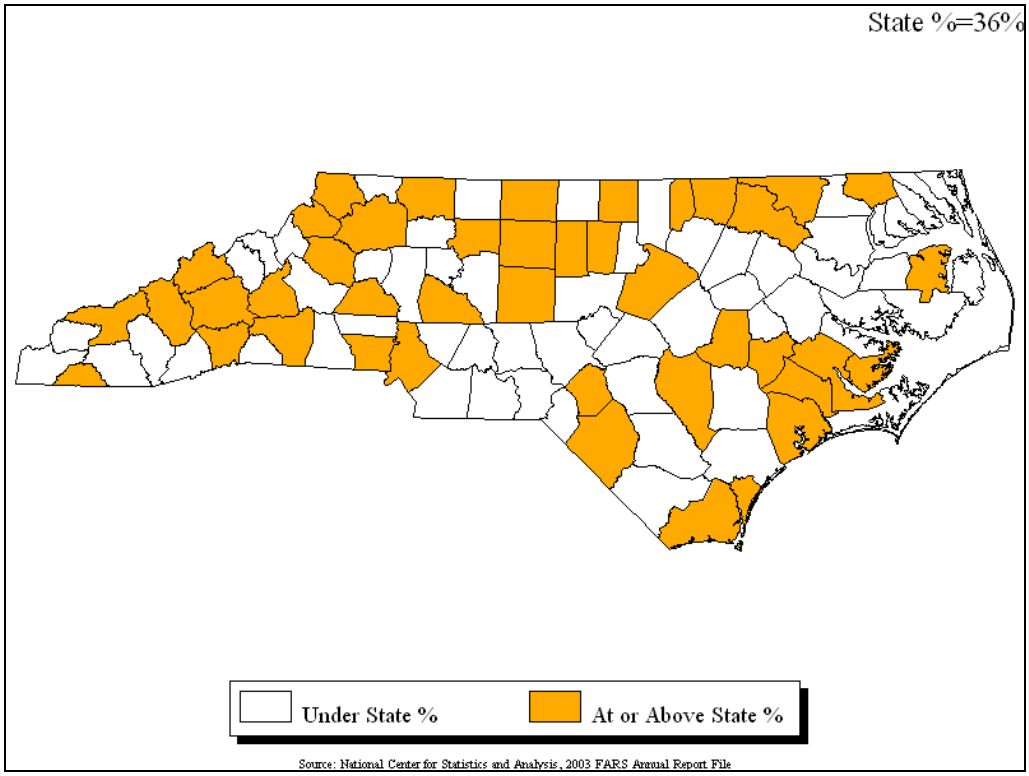
Change in 0.08+ Rates over time, NC vs. US	
Time Period	**NC (US)**
1982 to 2003	-70% (-65%)
Last 10 years	-23% (-25%)
Last 5 years	-14% (-6%)
Last 3 Years	-15% (-6%)
Last 1 Year	-11% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



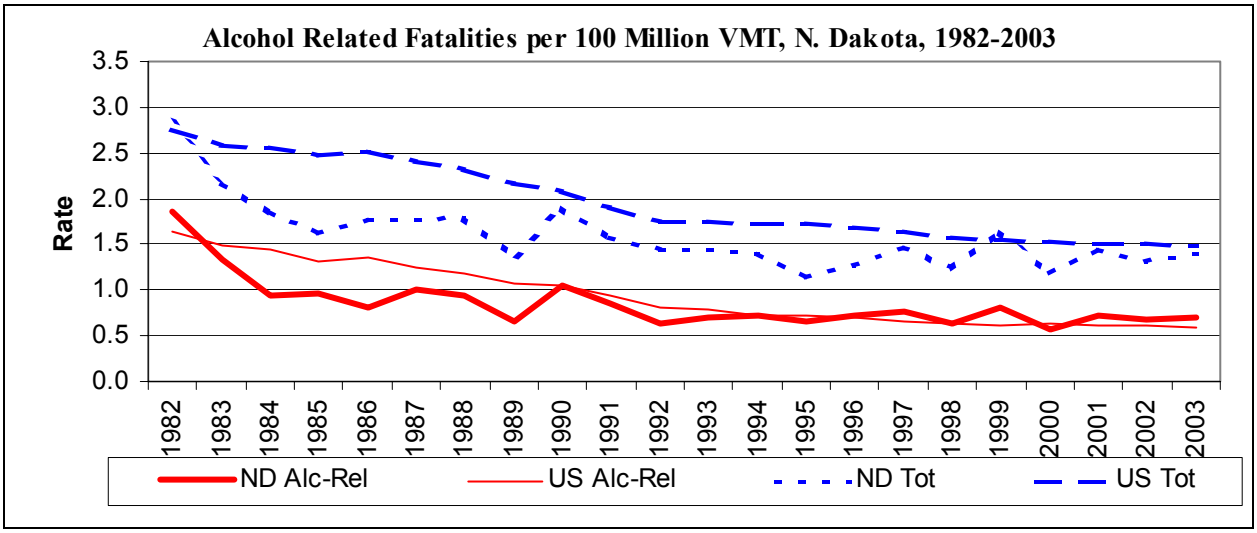
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	148	97	66	85	58	2.82	1.85	1.62
1983	116	72	62	66	57	2.16	1.34	1.23
1984	100	51	51	47	47	1.86	0.95	0.87
1985	90	54	60	46	51	1.61	0.97	0.82
1986	100	46	46	43	43	1.78	0.82	0.76
1987	101	57	56	54	54	1.78	1.00	0.95
1988	104	55	53	52	50	1.80	0.95	0.90
1989	81	38	47	33	40	1.38	0.65	0.56
1990	112	62	55	58	52	1.90	1.05	0.98
1991	94	51	54	47	50	1.58	0.86	0.79
1992	88	39	44	37	42	1.45	0.64	0.61
1993	89	44	49	41	46	1.45	0.71	0.67
1994	88	46	53	43	49	1.39	0.73	0.68
1995	74	43	58	37	49	1.13	0.66	0.57
1996	85	49	58	45	52	1.26	0.73	0.67
1997	105	54	51	51	49	1.47	0.76	0.72
1998	92	46	50	42	46	1.25	0.63	0.57
1999	119	58	49	50	42	1.64	0.80	0.69
2000	86	41	47	37	43	1.19	0.57	0.51
2001	105	53	51	45	43	1.45	0.73	0.62
2002	97	49	50	40	42	1.32	0.67	0.55
2003	105	52	50	47	44	1.41	0.70	0.63

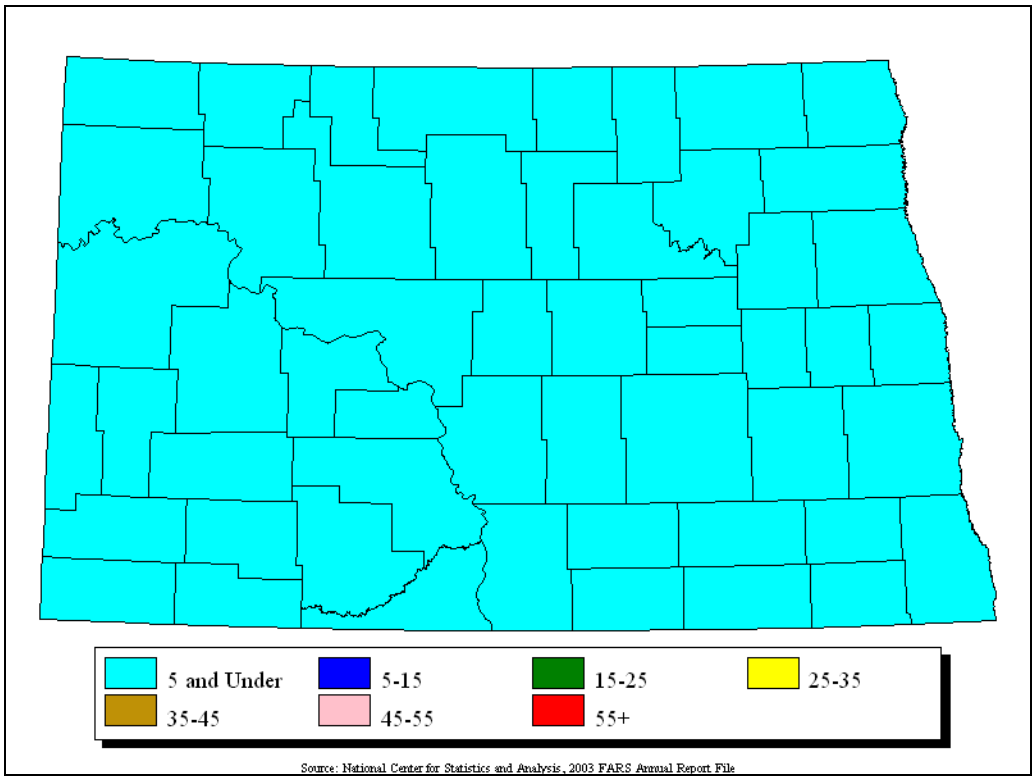
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, ND vs. US	
Time Period	**ND (US)**
1982 to 2003	-62% (-64%)
Last 10 years	-1% (-24%)
Last 5 years	+11% (-6%)
Last 3 Years	+23% (-6%)
Last 1 Year	+4% (-3%)

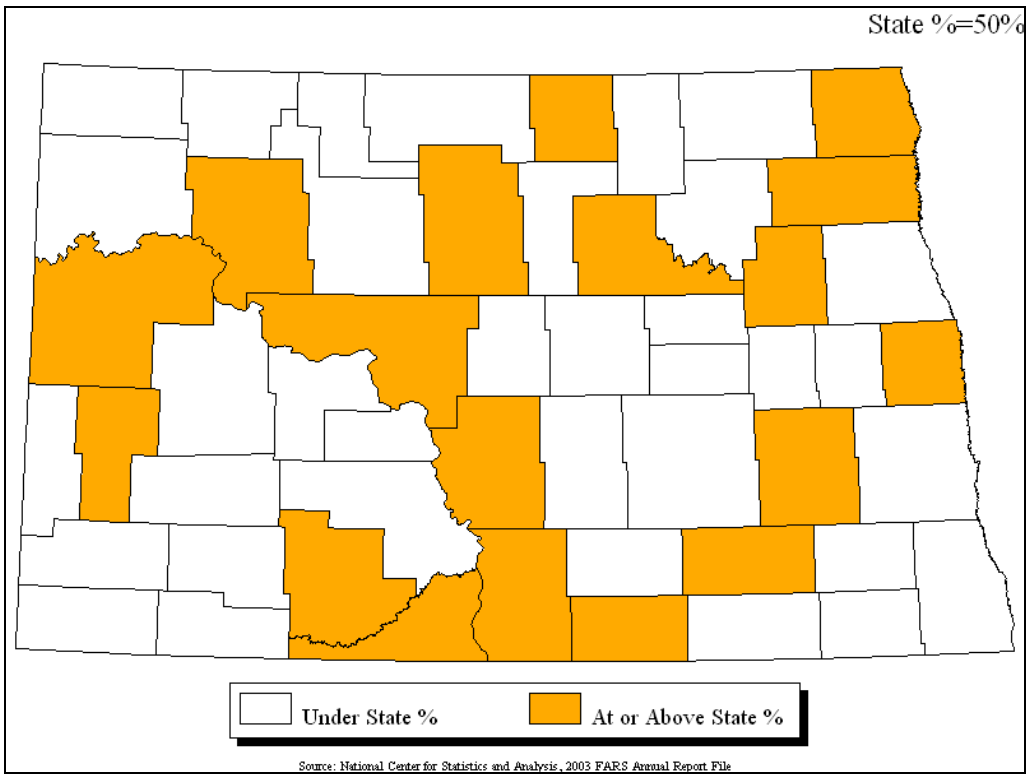
Change in 0.08+ Rates over time, ND vs. US	
Time Period	**ND (US)**
1982 to 2003	-61% (-65%)
Last 10 years	-6% (-25%)
Last 5 years	+11% (-6%)
Last 3 Years	+24% (-6%)
Last 1 Year	+15% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



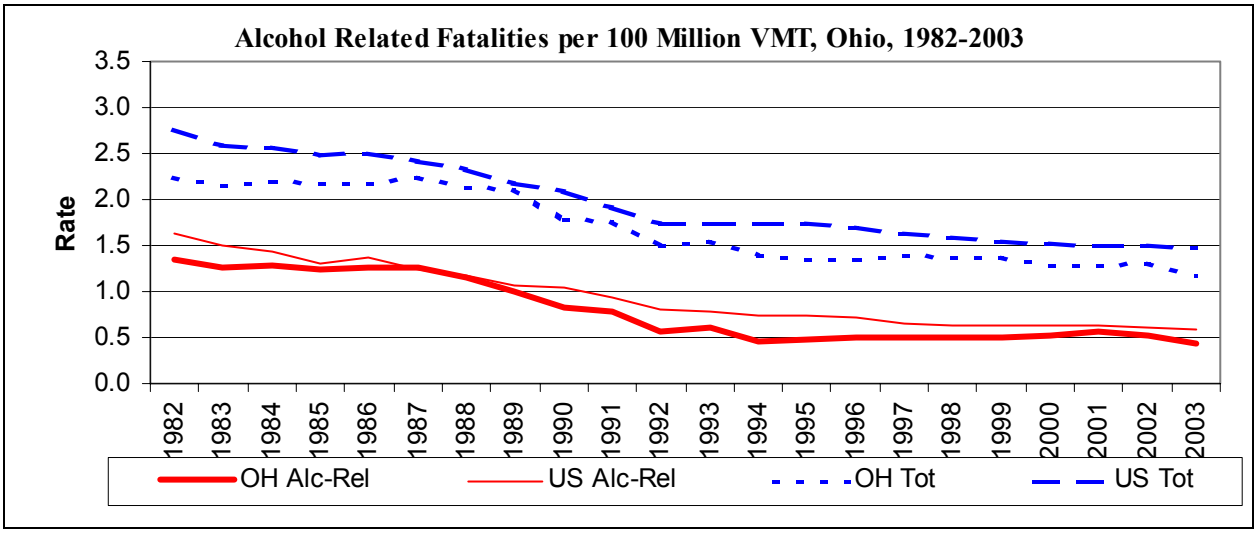
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,607	966	60	864	54	2.24	1.35	1.20
1983	1,582	919	58	824	52	2.16	1.26	1.13
1984	1,646	957	58	844	51	2.20	1.28	1.13
1985	1,646	927	56	812	49	2.18	1.23	1.07
1986	1,673	978	58	855	51	2.17	1.27	1.11
1987	1,772	1,007	57	876	49	2.24	1.27	1.11
1988	1,748	946	54	809	46	2.13	1.15	0.99
1989	1,772	834	47	744	42	2.10	0.99	0.88
1990	1,638	745	45	652	40	1.79	0.82	0.71
1991	1,636	730	45	653	40	1.76	0.78	0.70
1992	1,439	535	37	466	32	1.51	0.56	0.49
1993	1,478	577	39	510	34	1.54	0.60	0.53
1994	1,370	455	33	394	29	1.40	0.46	0.40
1995	1,360	486	36	410	30	1.35	0.48	0.41
1996	1,391	509	37	430	31	1.35	0.49	0.42
1997	1,441	528	37	465	32	1.39	0.51	0.45
1998	1,422	531	37	467	33	1.36	0.51	0.45
1999	1,430	535	37	466	33	1.36	0.51	0.44
2000	1,366	562	41	494	36	1.29	0.53	0.47
2001	1,378	608	44	509	37	1.29	0.57	0.48
2002	1,418	558	39	491	35	1.31	0.52	0.46
2003	1,277	467	37	402	31	1.17	0.43	0.37

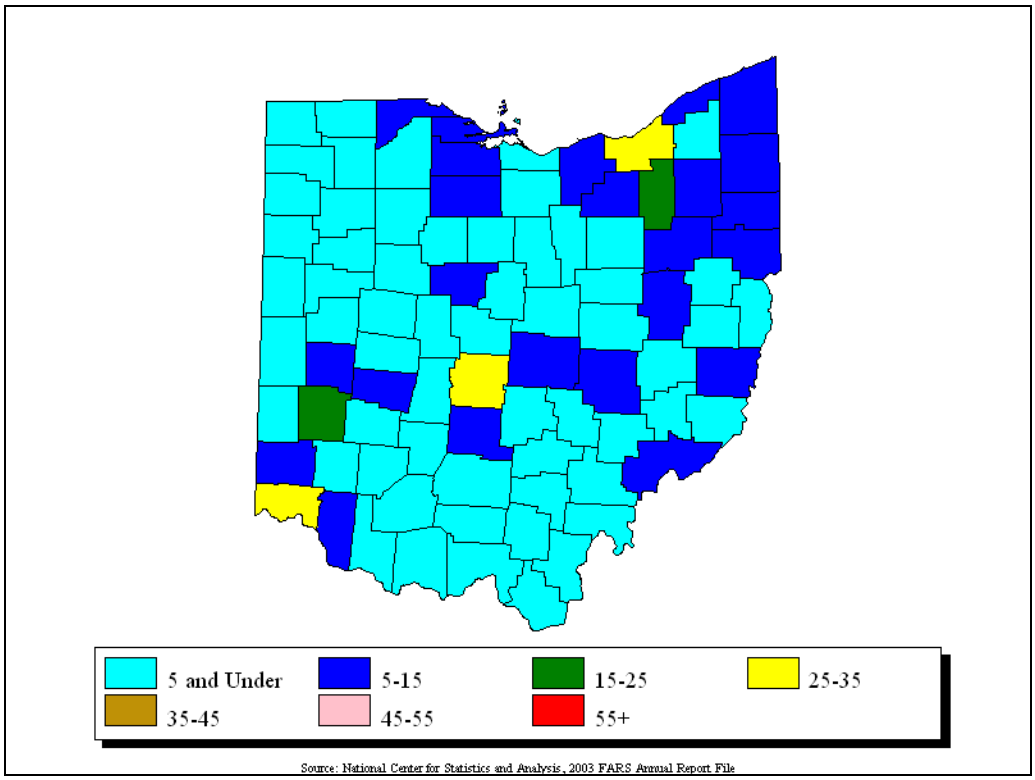
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, OH vs. US	
Time Period	**OH (US)**
1982 to 2003	-68% (-64%)
Last 10 years	-28% (-24%)
Last 5 years	-16% (-6%)
Last 3 Years	-19% (-6%)
Last 1 Year	-17% (-3%)

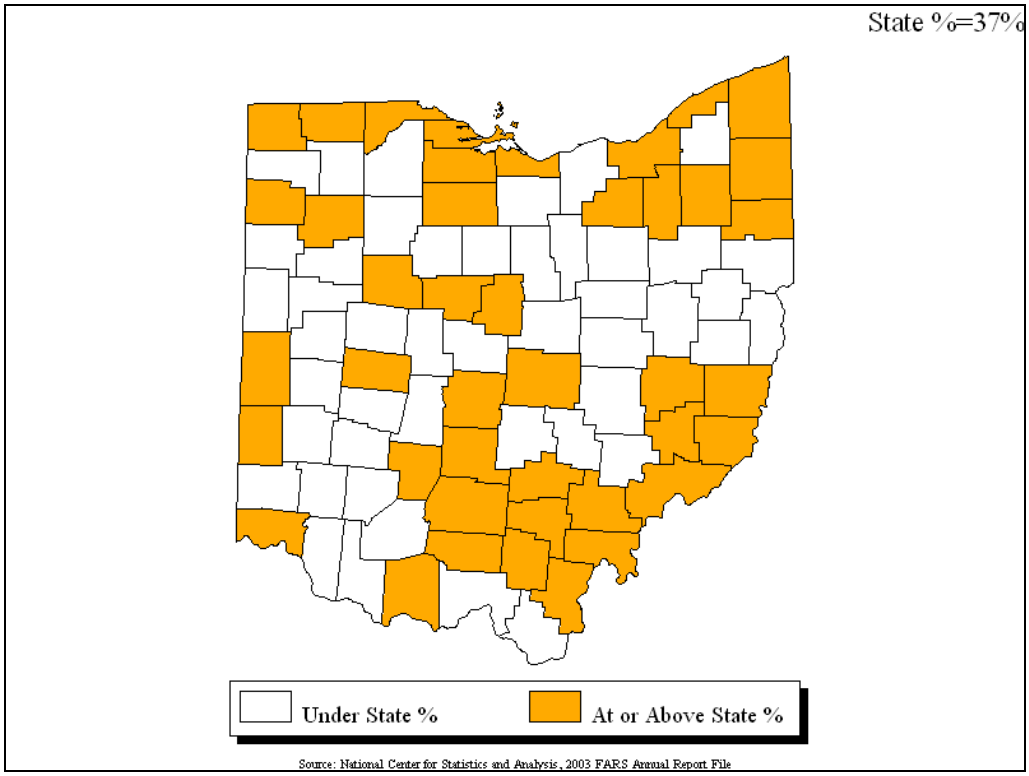
Change in 0.08+ Rates over time, OH vs. US	
Time Period	**OH (US)**
1982 to 2003	-69% (-65%)
Last 10 years	-30% (-25%)
Last 5 years	-18% (-6%)
Last 3 Years	-21% (-6%)
Last 1 Year	-20% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



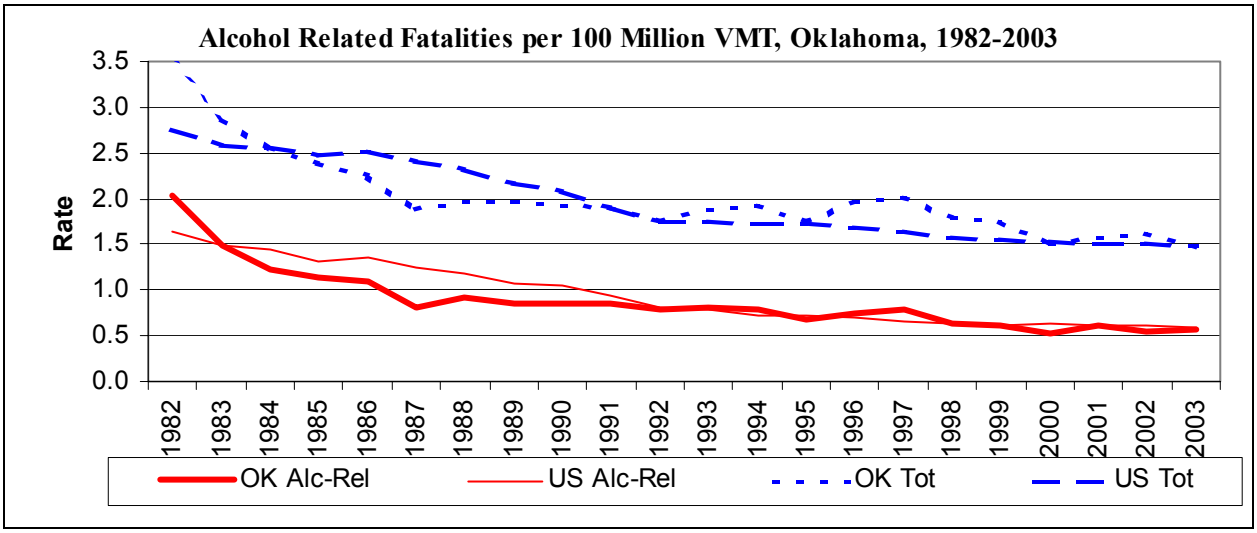
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,054	608	58	523	50	3.51	2.03	1.74
1983	848	437	52	389	46	2.87	1.48	1.32
1984	797	382	48	339	43	2.57	1.23	1.09
1985	744	353	47	301	41	2.39	1.13	0.97
1986	698	340	49	285	41	2.26	1.10	0.92
1987	597	254	43	221	37	1.89	0.80	0.70
1988	638	298	47	258	40	1.97	0.92	0.80
1989	648	284	44	257	40	1.97	0.86	0.78
1990	641	284	44	246	38	1.93	0.86	0.74
1991	652	292	45	252	39	1.90	0.85	0.74
1992	613	273	45	242	39	1.75	0.78	0.69
1993	671	284	42	245	37	1.89	0.80	0.69
1994	687	281	41	240	35	1.93	0.79	0.67
1995	669	258	39	230	34	1.74	0.67	0.60
1996	772	295	38	249	32	1.96	0.75	0.63
1997	838	328	39	291	35	2.02	0.79	0.70
1998	755	268	35	240	32	1.80	0.64	0.57
1999	741	258	35	224	30	1.74	0.61	0.53
2000	650	229	35	194	30	1.50	0.53	0.45
2001	682	270	40	234	34	1.57	0.62	0.54
2002	739	251	34	215	29	1.62	0.55	0.47
2003	668	255	38	220	33	1.46	0.56	0.48

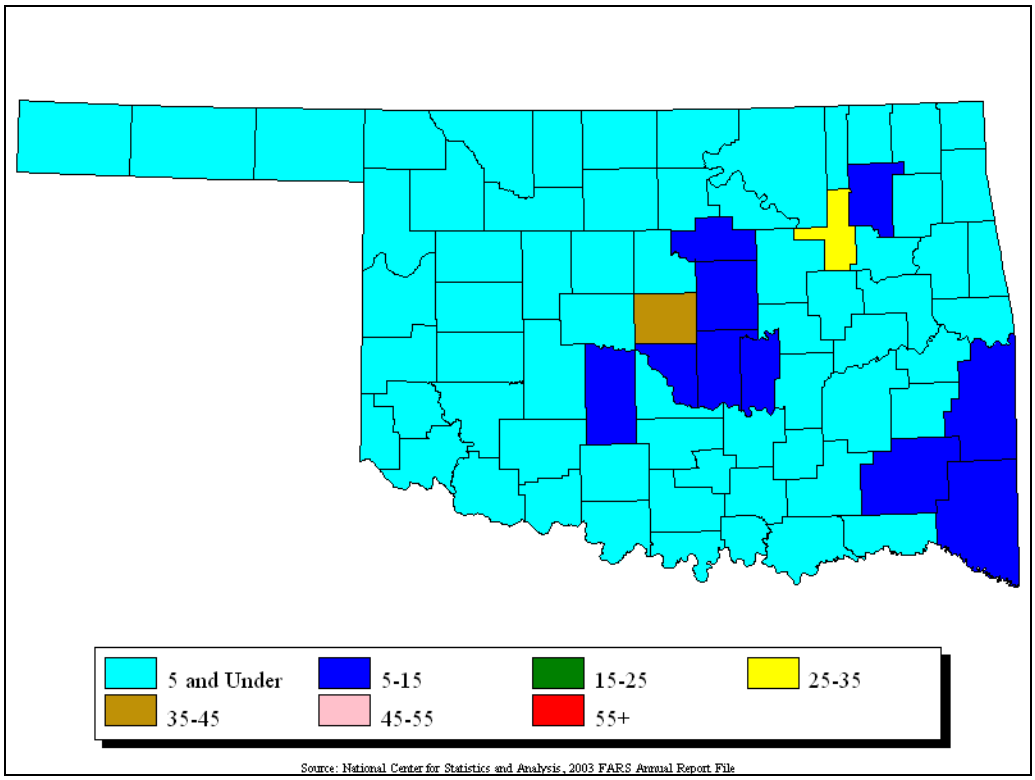
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, OK vs. US	
Time Period	**OK (US)**
1982 to 2003	-72% (-64%)
Last 10 years	-30% (-24%)
Last 5 years	-13% (-6%)
Last 3 Years	+6% (-6%)
Last 1 Year	+2% (-3%)

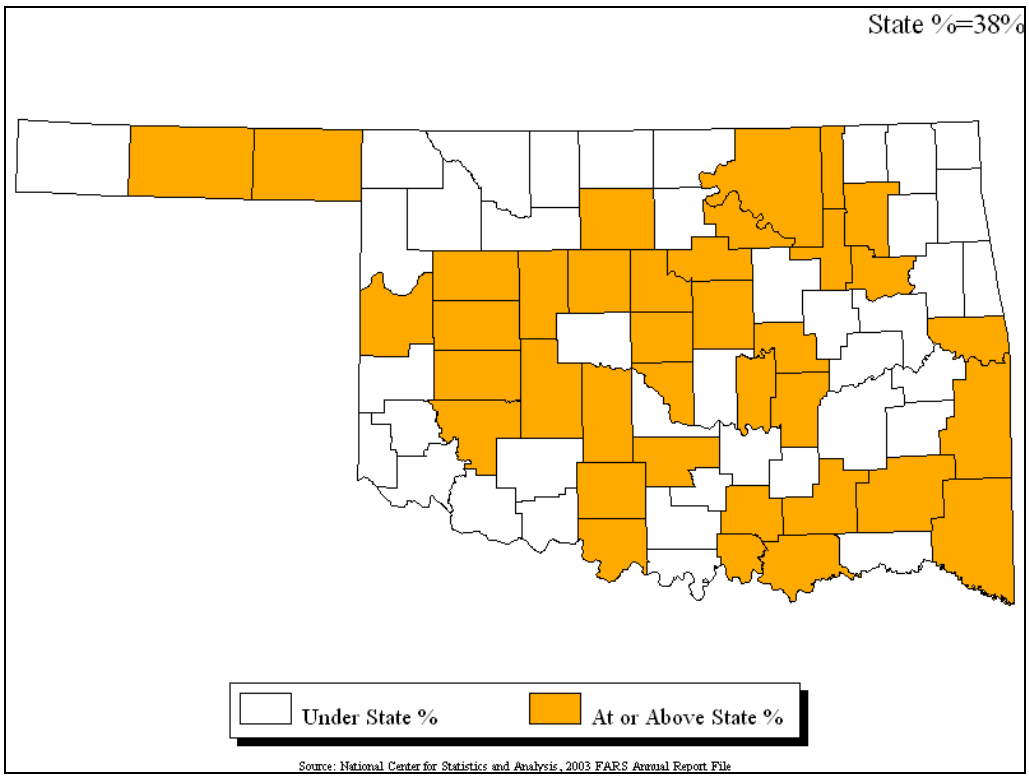
Change in 0.08+ Rates over time, OK vs. US	
Time Period	**OK (US)**
1982 to 2003	-72% (-65%)
Last 10 years	-30% (-25%)
Last 5 years	-16% (-6%)
Last 3 Years	+7% (-6%)
Last 1 Year	+2% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



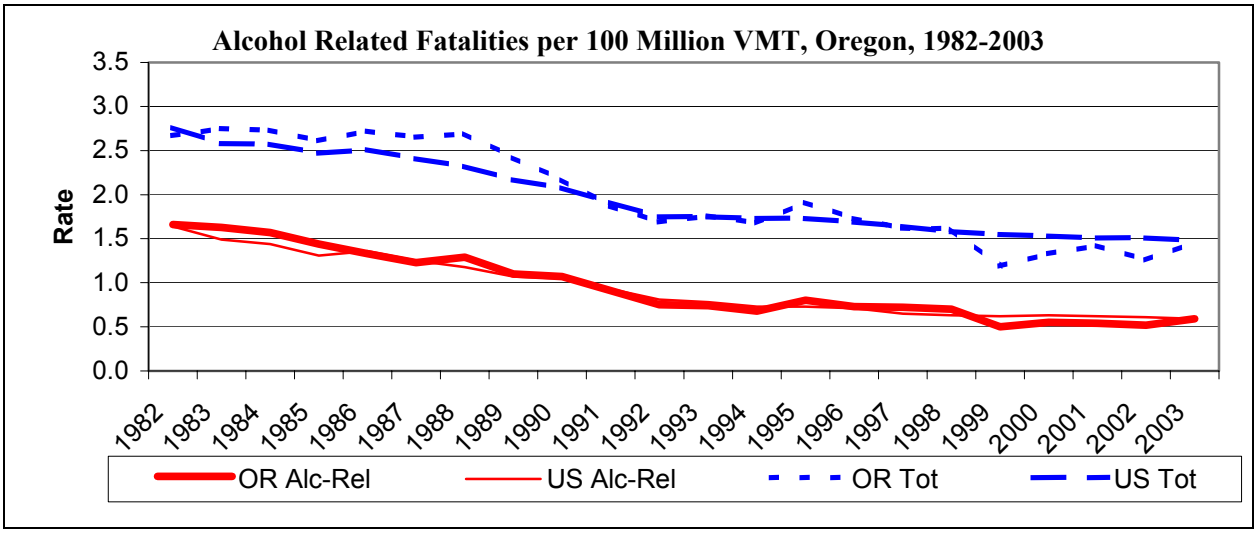
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	518	322	62	288	56	2.67	1.66	1.49
1983	550	325	59	279	51	2.75	1.63	1.40
1984	572	328	57	282	49	2.73	1.57	1.35
1985	559	308	55	271	48	2.61	1.44	1.26
1986	619	302	49	257	41	2.72	1.33	1.13
1987	619	286	46	238	38	2.65	1.23	1.02
1988	677	325	48	278	41	2.69	1.29	1.10
1989	626	284	45	243	39	2.42	1.10	0.94
1990	579	285	49	237	41	2.17	1.07	0.89
1991	482	235	49	201	42	1.87	0.91	0.78
1992	471	210	45	174	37	1.69	0.75	0.62
1993	523	220	42	176	34	1.76	0.74	0.59
1994	494	201	41	174	35	1.68	0.68	0.59
1995	574	240	42	196	34	1.91	0.80	0.65
1996	526	221	42	179	34	1.73	0.73	0.59
1997	524	231	44	190	36	1.62	0.72	0.59
1998	538	233	43	193	36	1.61	0.70	0.58
1999	414	172	42	156	38	1.19	0.50	0.45
2000	451	186	41	146	32	1.33	0.55	0.43
2001	488	187	38	152	31	1.42	0.54	0.44
2002	436	180	41	153	35	1.26	0.52	0.44
2003	512	207	40	175	34	1.46	0.59	0.50

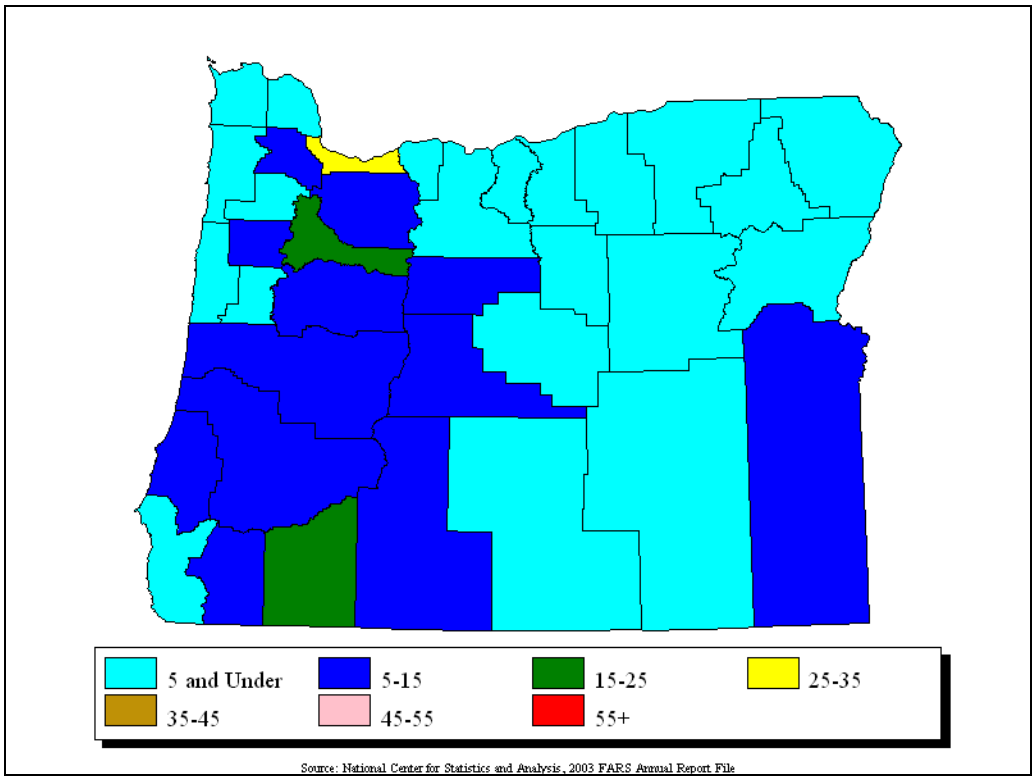
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, OR vs. US	
Time Period	**OR (US)**
1982 to 2003	-64% (-64%)
Last 10 years	-20% (-24%)
Last 5 years	-16% (-6%)
Last 3 Years	+7% (-6%)
Last 1 Year	+13% (-3%)

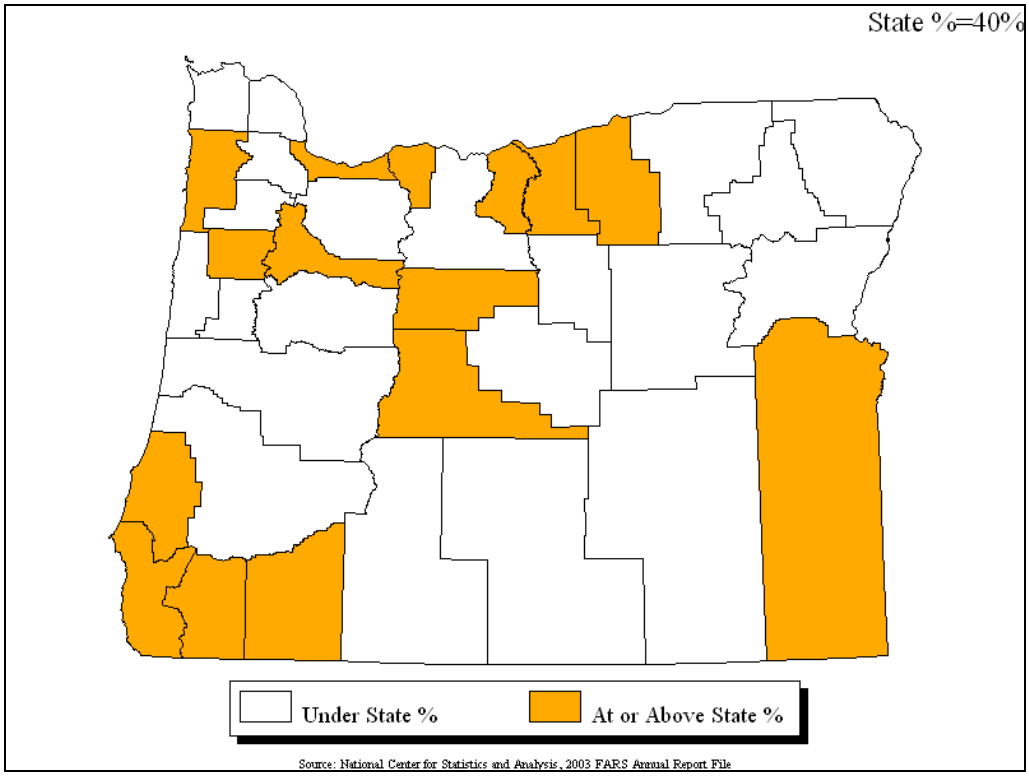
Change in 0.08+ Rates over time, OR vs. US	
Time Period	**OR (US)**
1982 to 2003	-66% (-65%)
Last 10 years	-15% (-25%)
Last 5 years	-14% (-6%)
Last 3 Years	+16% (-6%)
Last 1 Year	+14% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



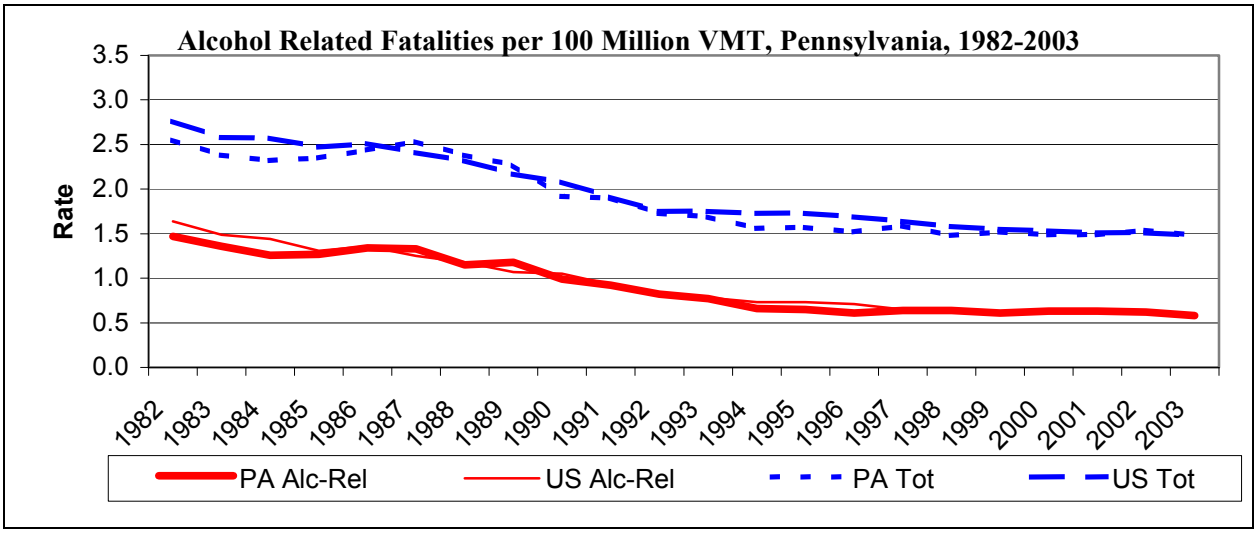
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,819	1,048	58	942	52	2.55	1.47	1.32
1983	1,721	980	57	898	52	2.38	1.36	1.24
1984	1,727	934	54	840	49	2.32	1.26	1.13
1985	1,771	961	54	857	48	2.35	1.27	1.14
1986	1,894	1,042	55	923	49	2.44	1.34	1.19
1987	1,987	1,042	52	939	47	2.53	1.33	1.19
1988	1,931	935	48	844	44	2.38	1.15	1.04
1989	1,877	981	52	882	47	2.27	1.18	1.06
1990	1,646	846	51	752	46	1.92	0.99	0.88
1991	1,661	807	49	720	43	1.90	0.92	0.82
1992	1,545	729	47	644	42	1.73	0.82	0.72
1993	1,529	700	46	628	41	1.69	0.77	0.69
1994	1,441	612	42	541	38	1.56	0.66	0.59
1995	1,480	619	42	546	37	1.57	0.65	0.58
1996	1,469	588	40	532	36	1.52	0.61	0.55
1997	1,557	626	40	562	36	1.59	0.64	0.57
1998	1,481	642	43	573	39	1.48	0.64	0.57
1999	1,549	618	40	538	35	1.52	0.61	0.53
2000	1,520	647	43	582	38	1.49	0.63	0.57
2001	1,532	646	42	566	37	1.49	0.63	0.55
2002	1,614	649	40	556	34	1.54	0.62	0.53
2003	1,577	618	39	542	34	1.48	0.58	0.51

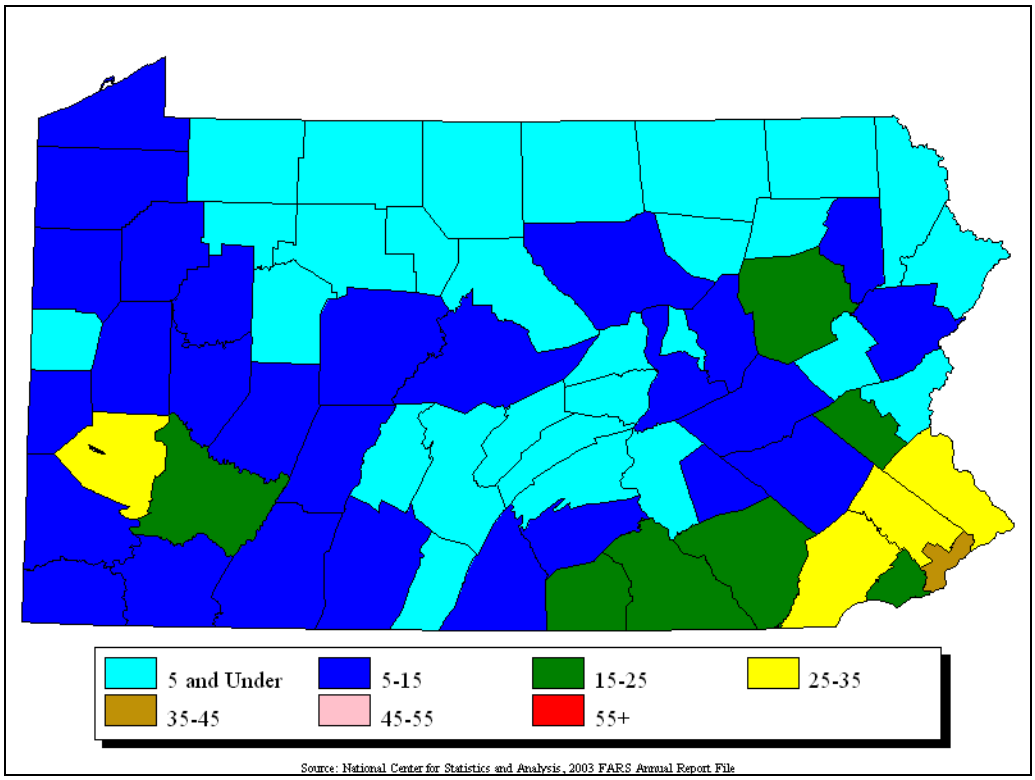
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, PA vs. US	
Time Period	**PA (US)**
1982 to 2003	-61% (-64%)
Last 10 years	-25% (-24%)
Last 5 years	-9% (-6%)
Last 3 Years	-8% (-6%)
Last 1 Year	-6% (-3%)

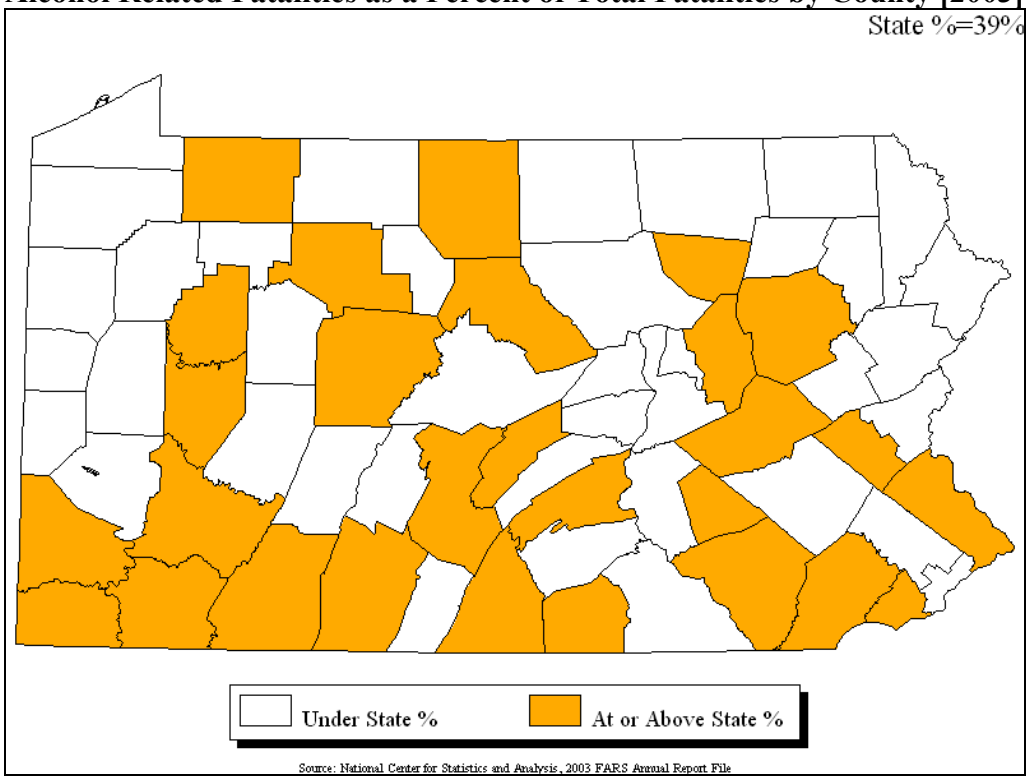
Change in 0.08+ Rates over time, PA vs. US	
Time Period	**PA (US)**
1982 to 2003	-61% (-65%)
Last 10 years	-26% (-25%)
Last 5 years	-11% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	-4% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



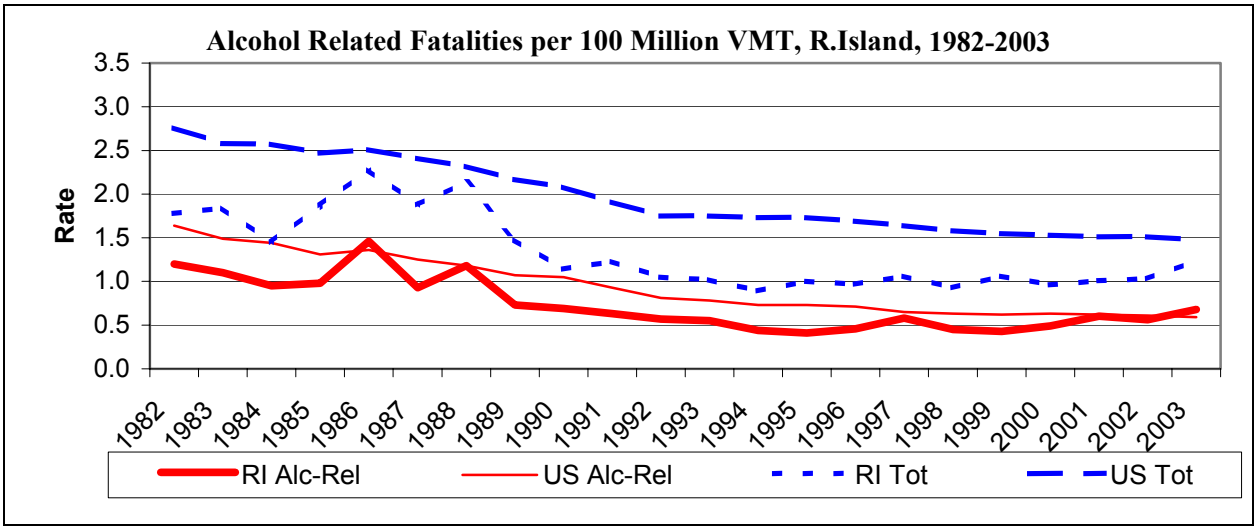
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	105	71	67	65	61	1.78	1.20	1.10
1983	100	60	60	53	53	1.84	1.10	0.98
1984	79	52	66	41	52	1.45	0.95	0.75
1985	109	57	52	51	47	1.87	0.98	0.88
1986	124	79	64	67	54	2.28	1.46	1.23
1987	113	56	49	52	46	1.88	0.93	0.87
1988	125	69	55	58	47	2.14	1.18	0.99
1989	100	49	49	45	45	1.48	0.73	0.67
1990	84	51	61	45	53	1.14	0.69	0.61
1991	88	45	51	36	41	1.23	0.63	0.50
1992	79	43	54	39	50	1.05	0.57	0.52
1993	74	40	54	35	48	1.02	0.55	0.48
1994	63	31	49	23	37	0.89	0.44	0.32
1995	69	28	41	26	38	1.00	0.41	0.38
1996	69	33	48	26	38	0.97	0.46	0.37
1997	75	41	55	36	48	1.06	0.58	0.51
1998	74	36	49	27	37	0.93	0.45	0.34
1999	88	36	41	28	32	1.06	0.43	0.34
2000	80	41	52	37	46	0.96	0.49	0.44
2001	81	48	59	38	47	1.01	0.60	0.48
2002	84	46	55	37	44	1.03	0.56	0.45
2003	104	57	55	52	50	1.24	0.68	0.62

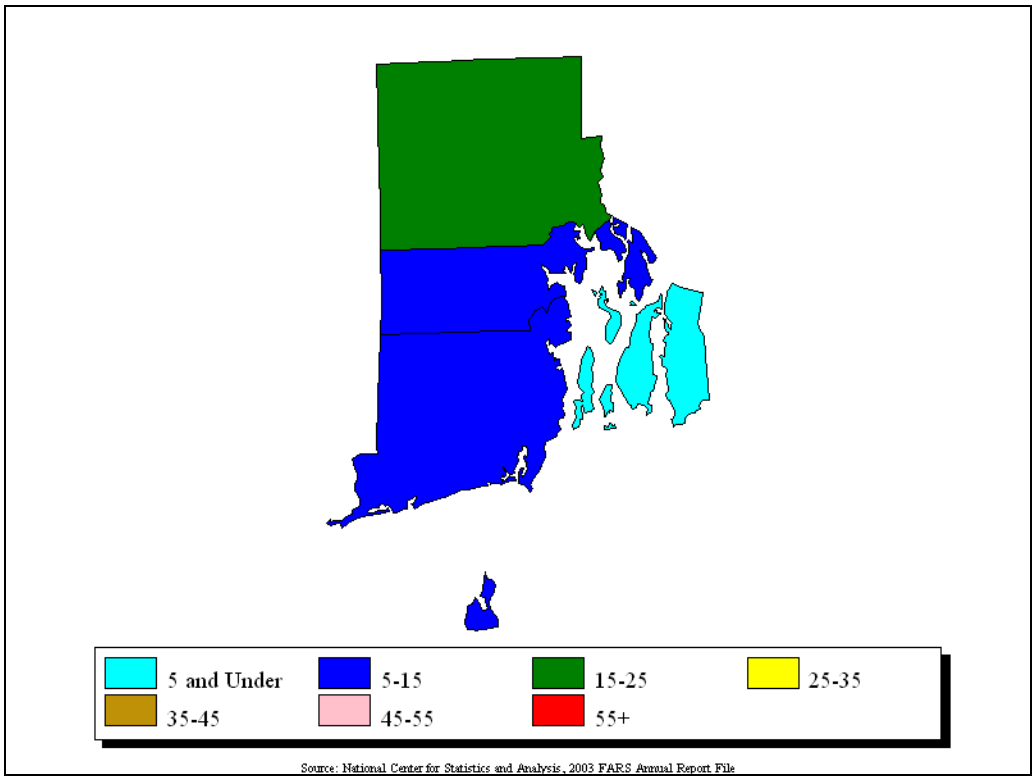
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, RI vs. US	
Time Period	**RI (US)**
1982 to 2003	-43% (-64%)
Last 10 years	+24% (-24%)
Last 5 years	+51% (-6%)
Last 3 Years	+39% (-6%)
Last 1 Year	+21% (-3%)

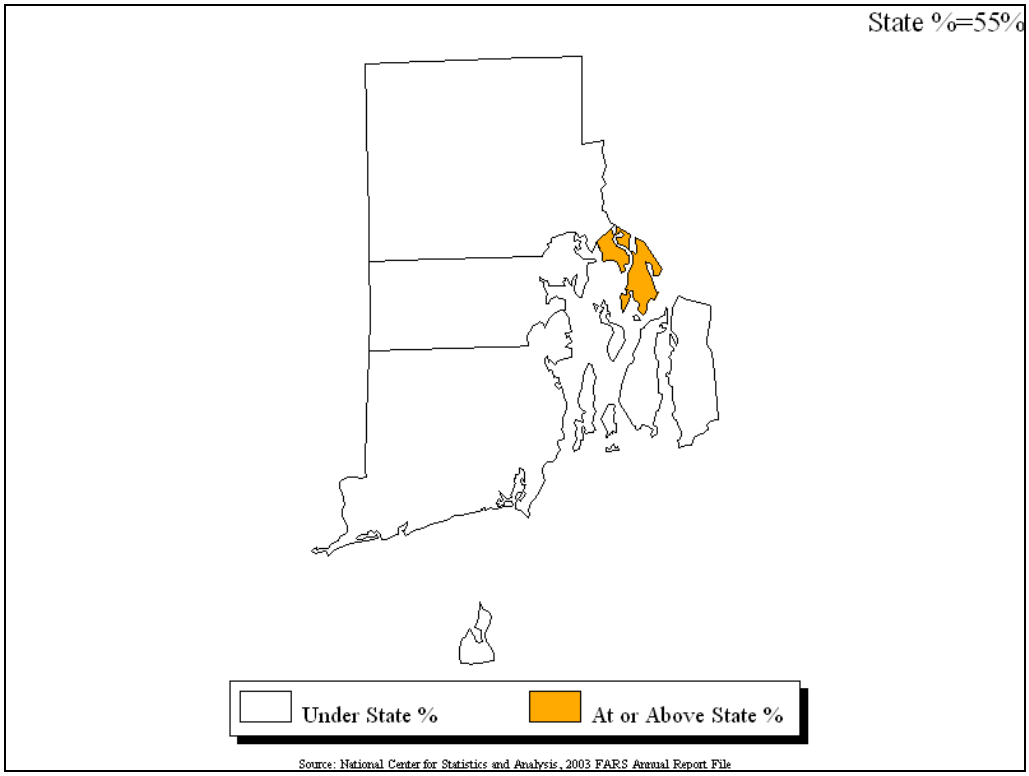
Change in 0.08+ Rates over time, RI vs. US	
Time Period	**RI (US)**
1982 to 2003	-44% (-65%)
Last 10 years	+29% (-25%)
Last 5 years	+82% (-6%)
Last 3 Years	+41% (-6%)
Last 1 Year	+38% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



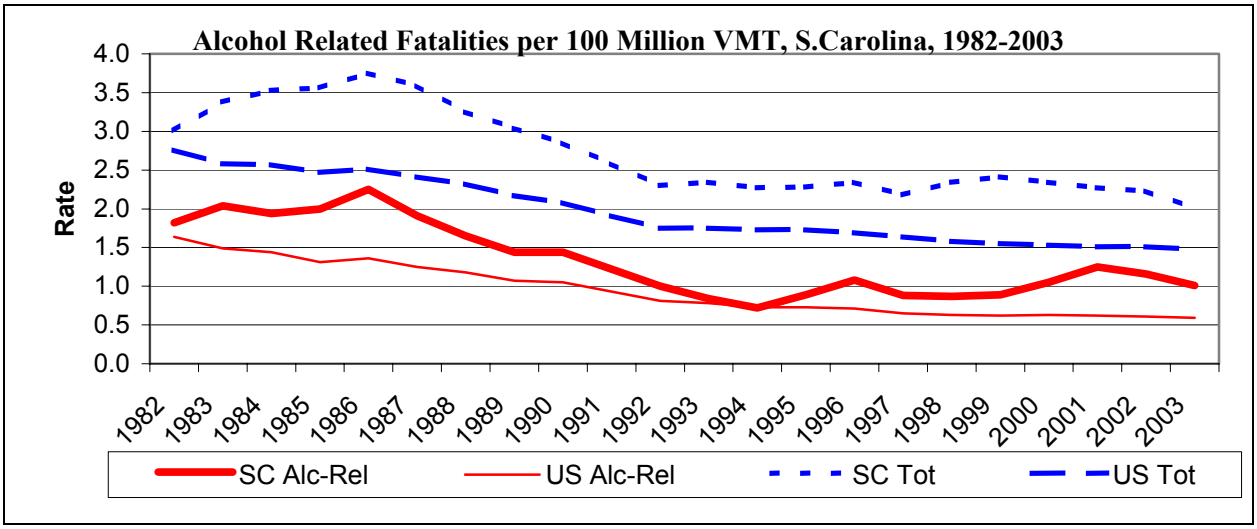
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	730	441	60	402	55	3.01	1.82	1.66
1983	844	509	60	463	55	3.38	2.04	1.85
1984	916	503	55	452	49	3.53	1.94	1.74
1985	951	534	56	480	50	3.56	2.00	1.80
1986	1,059	636	60	560	53	3.75	2.25	1.98
1987	1,086	577	53	495	46	3.59	1.91	1.64
1988	1,031	523	51	456	44	3.25	1.65	1.44
1989	996	473	47	403	40	3.04	1.44	1.23
1990	979	494	50	421	43	2.85	1.44	1.22
1991	890	420	47	379	43	2.58	1.22	1.10
1992	807	352	44	307	38	2.30	1.00	0.88
1993	846	305	36	273	32	2.34	0.84	0.76
1994	847	269	32	243	29	2.27	0.72	0.65
1995	881	346	39	300	34	2.28	0.89	0.77
1996	930	428	46	374	40	2.34	1.08	0.94
1997	903	362	40	330	37	2.18	0.88	0.80
1998	1,002	372	37	334	33	2.34	0.87	0.78
1999	1,065	391	37	357	34	2.41	0.89	0.81
2000	1,065	480	45	424	40	2.34	1.05	0.93
2001	1,060	582	55	513	48	2.27	1.25	1.10
2002	1,053	549	52	485	46	2.23	1.16	1.03
2003	968	488	50	423	44	2.01	1.01	0.88

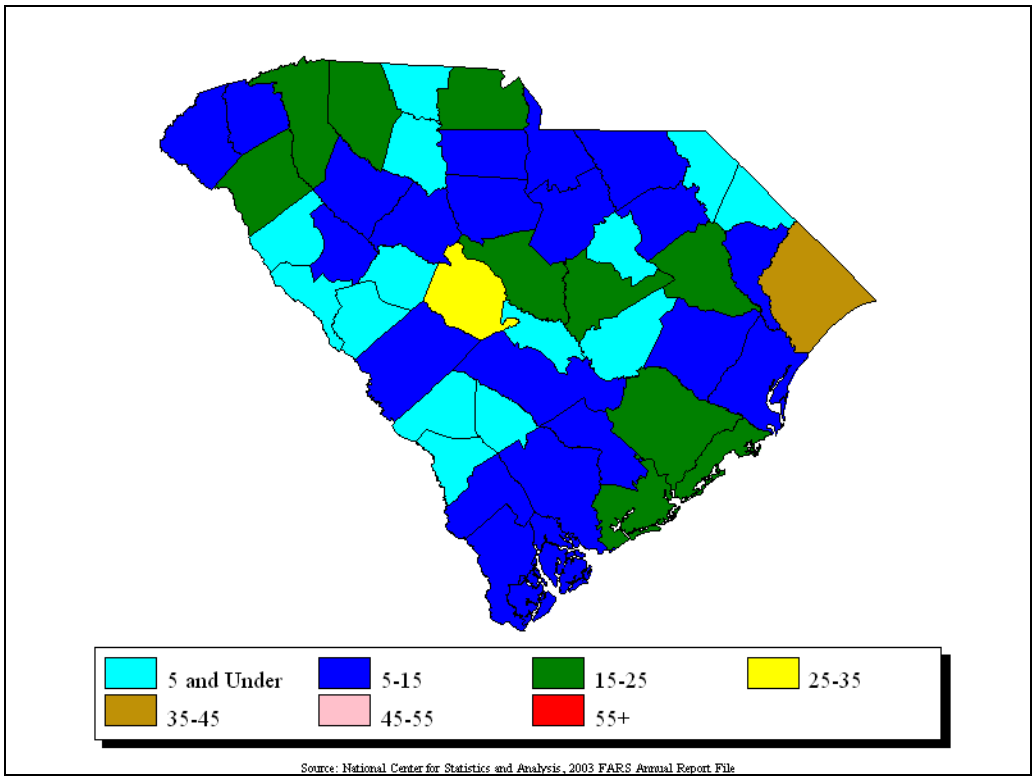
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, SC vs. US	
Time Period	**SC (US)**
1982 to 2003	-45% (-64%)
Last 10 years	+20% (-24%)
Last 5 years	+16% (-6%)
Last 3 Years	-4% (-6%)
Last 1 Year	-13% (-3%)

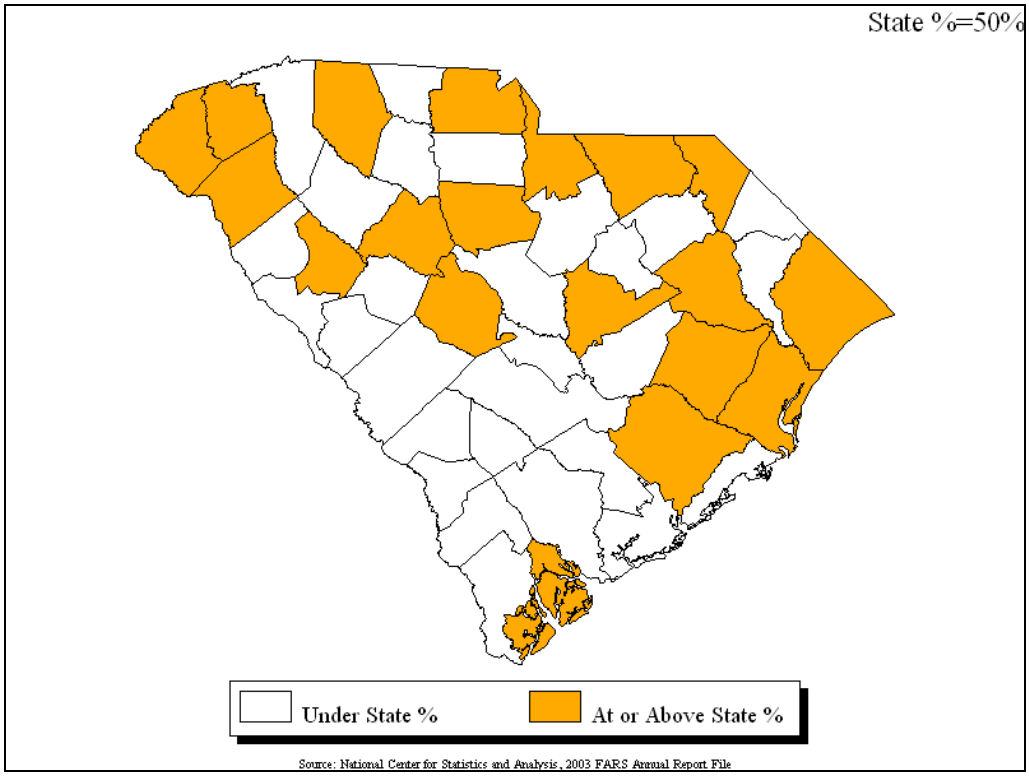
Change in 0.08+ Rates over time, SC vs. US	
Time Period	**SC (US)**
1982 to 2003	-47% (-65%)
Last 10 years	+16% (-25%)
Last 5 years	+13% (-6%)
Last 3 Years	-5% (-6%)
Last 1 Year	-15% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



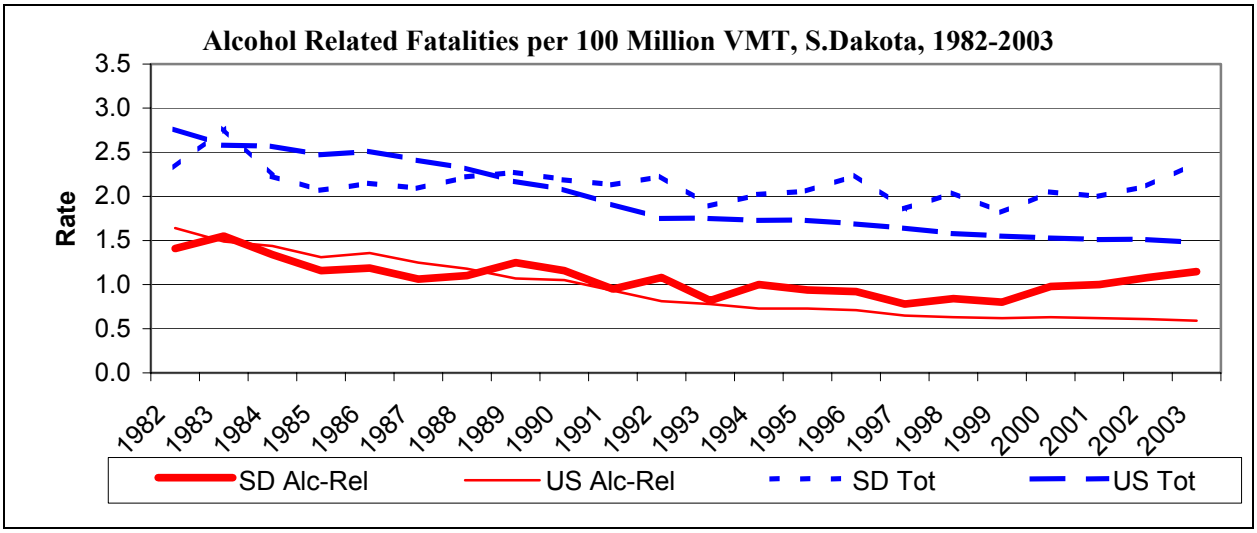
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	148	90	61	82	55	2.33	1.41	1.29
1983	175	98	56	93	53	2.77	1.55	1.47
1984	143	86	60	72	50	2.23	1.34	1.12
1985	130	73	56	69	53	2.07	1.16	1.10
1986	134	74	55	65	48	2.15	1.19	1.04
1987	134	68	51	59	44	2.09	1.06	0.92
1988	147	73	50	65	44	2.22	1.10	0.98
1989	152	84	55	76	50	2.27	1.25	1.13
1990	153	81	53	74	49	2.19	1.16	1.06
1991	143	64	45	64	45	2.13	0.95	0.95
1992	161	78	48	68	42	2.23	1.08	0.94
1993	140	61	43	57	41	1.89	0.82	0.77
1994	154	76	49	69	44	2.02	1.00	0.90
1995	158	72	45	66	42	2.06	0.94	0.86
1996	175	72	41	59	34	2.24	0.92	0.75
1997	148	62	42	49	33	1.86	0.78	0.62
1998	165	68	41	60	36	2.04	0.84	0.74
1999	150	66	44	59	39	1.82	0.80	0.72
2000	173	83	48	74	43	2.05	0.98	0.88
2001	171	85	50	74	43	2.00	1.00	0.87
2002	180	92	51	79	44	2.12	1.08	0.93
2003	203	98	48	90	44	2.38	1.15	1.06

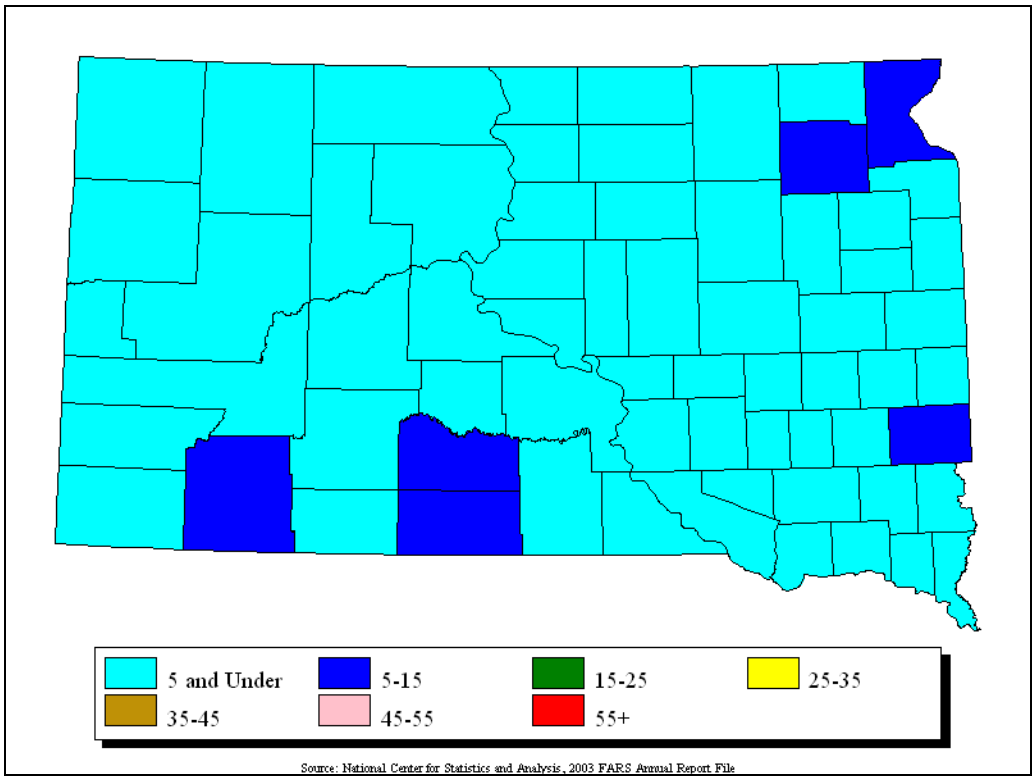
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, SD vs. US	
Time Period	**SD (US)**
1982 to 2003	-18% (-64%)
Last 10 years	+40% (-24%)
Last 5 years	+37% (-6%)
Last 3 Years	+17% (-6%)
Last 1 Year	+6% (-3%)

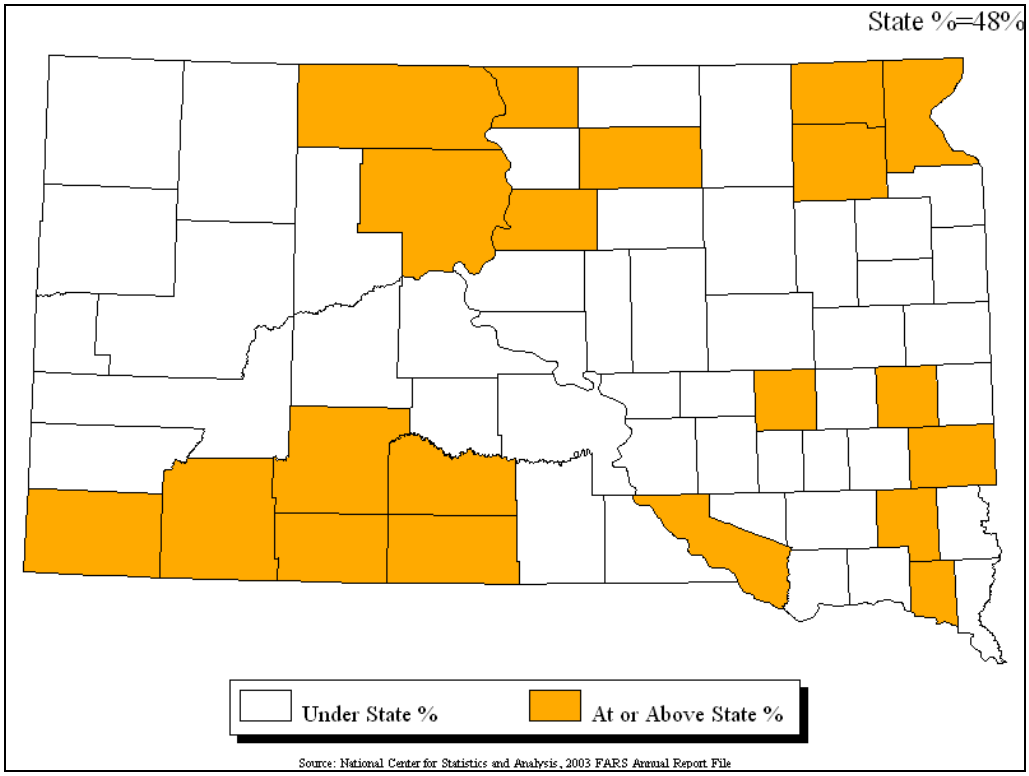
Change in 0.08+ Rates over time, SD vs. US	
Time Period	**SD (US)**
1982 to 2003	-18% (-65%)
Last 10 years	+38% (-25%)
Last 5 years	+43% (-6%)
Last 3 Years	+20% (-6%)
Last 1 Year	+14% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



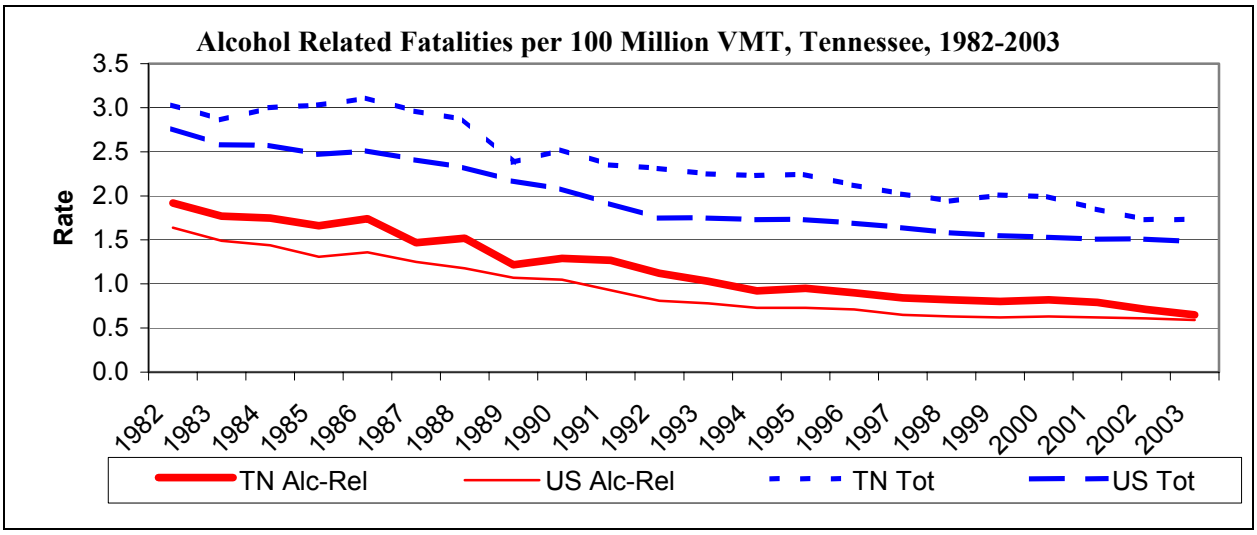
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	1,055	668	63	597	57	3.03	1.92	1.72
1983	1,037	643	62	579	56	2.86	1.77	1.60
1984	1,095	640	58	555	51	3.00	1.75	1.52
1985	1,101	603	55	515	47	3.03	1.66	1.42
1986	1,230	686	56	601	49	3.11	1.74	1.52
1987	1,247	621	50	536	43	2.96	1.47	1.27
1988	1,266	673	53	571	45	2.86	1.52	1.29
1989	1,088	559	51	494	45	2.38	1.22	1.08
1990	1,177	601	51	504	43	2.52	1.29	1.08
1991	1,113	601	54	507	46	2.35	1.27	1.07
1992	1,153	562	49	503	44	2.31	1.12	1.01
1993	1,170	538	46	461	39	2.25	1.03	0.88
1994	1,214	503	41	436	36	2.23	0.92	0.80
1995	1,259	533	42	473	38	2.24	0.95	0.84
1996	1,239	523	42	460	37	2.12	0.90	0.79
1997	1,225	510	42	445	36	2.02	0.84	0.74
1998	1,216	513	42	437	36	1.94	0.82	0.70
1999	1,302	515	40	452	35	2.01	0.80	0.70
2000	1,307	542	41	458	35	1.99	0.82	0.70
2001	1,251	533	43	463	37	1.85	0.79	0.68
2002	1,177	485	41	412	35	1.73	0.71	0.60
2003	1,193	447	37	404	34	1.73	0.65	0.58

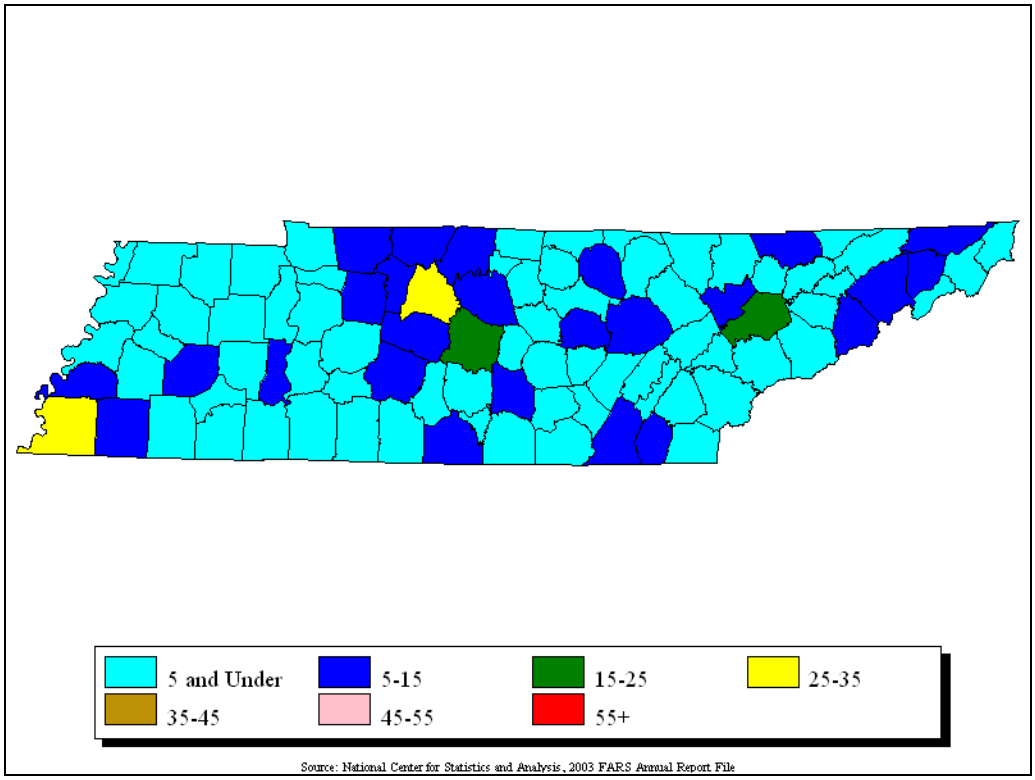
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, TN vs. US	
Time Period	**TN (US)**
1982 to 2003	-66% (-64%)
Last 10 years	-37% (-24%)
Last 5 years	-21% (-6%)
Last 3 Years	-21% (-6%)
Last 1 Year	-8% (-3%)

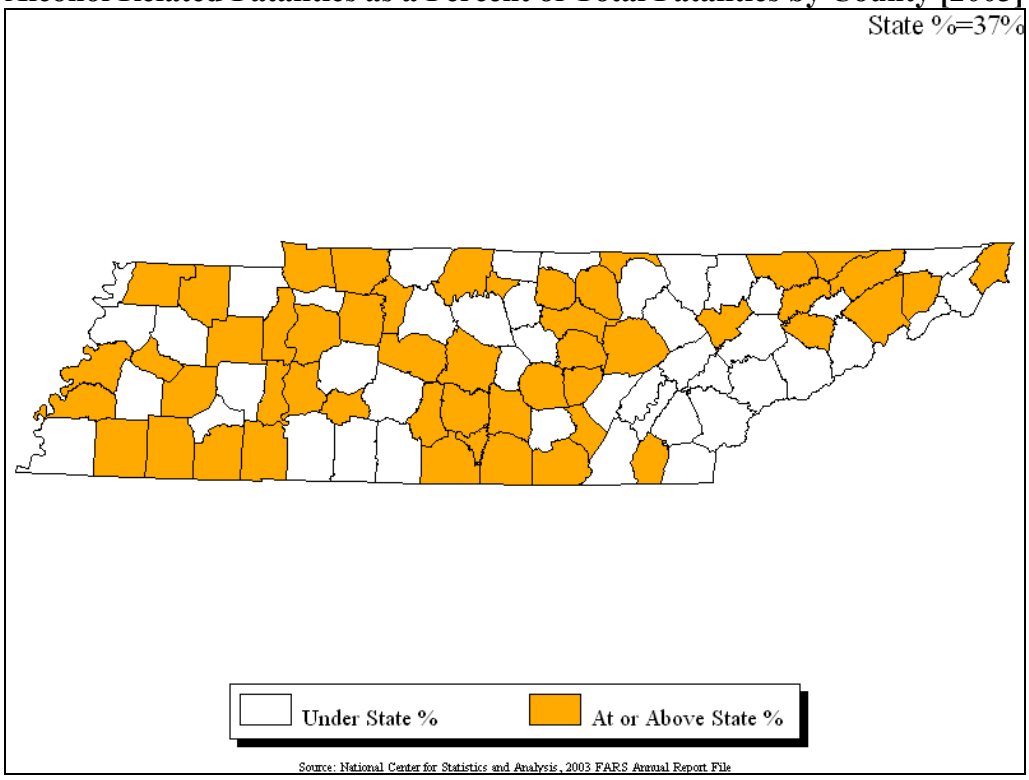
Change in 0.08+ Rates over time, TN vs. US	
Time Period	**TN (US)**
1982 to 2003	-66% (-65%)
Last 10 years	-34% (-25%)
Last 5 years	-17% (-6%)
Last 3 Years	-17% (-6%)
Last 1 Year	-3% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



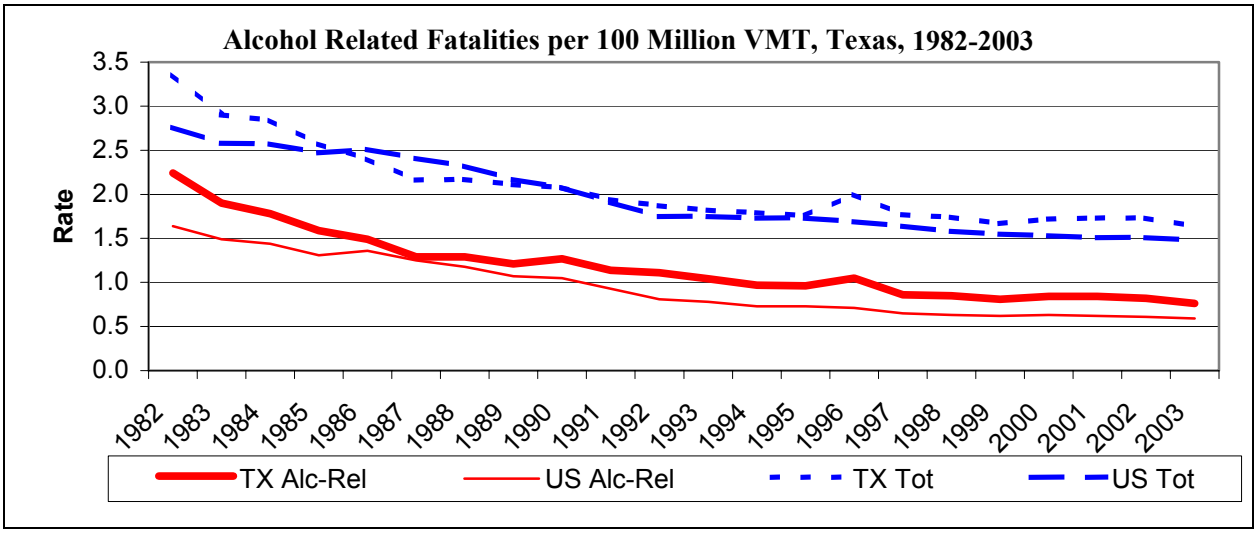
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	4,213	2,801	66	2,570	61	3.36	2.24	2.05
1983	3,823	2,503	65	2,311	60	2.90	1.90	1.75
1984	3,912	2,457	63	2,232	57	2.84	1.78	1.62
1985	3,678	2,271	62	2,021	55	2.57	1.59	1.41
1986	3,567	2,206	62	1,932	54	2.40	1.49	1.30
1987	3,260	1,951	60	1,688	52	2.16	1.29	1.12
1988	3,392	2,011	59	1,775	52	2.17	1.29	1.13
1989	3,370	1,927	57	1,729	51	2.11	1.21	1.08
1990	3,250	1,989	61	1,769	54	2.08	1.27	1.13
1991	3,078	1,814	59	1,604	52	1.94	1.14	1.01
1992	3,059	1,818	59	1,624	53	1.87	1.11	0.99
1993	3,043	1,748	57	1,567	52	1.82	1.04	0.93
1994	3,187	1,725	54	1,546	49	1.79	0.97	0.87
1995	3,183	1,739	55	1,534	48	1.76	0.96	0.85
1996	3,742	1,967	53	1,745	47	2.02	1.06	0.94
1997	3,513	1,710	49	1,521	43	1.77	0.86	0.77
1998	3,586	1,745	49	1,550	43	1.74	0.85	0.75
1999	3,522	1,700	48	1,479	42	1.67	0.81	0.70
2000	3,779	1,841	49	1,642	43	1.72	0.84	0.75
2001	3,736	1,807	48	1,587	42	1.73	0.84	0.73
2002	3,823	1,810	47	1,610	42	1.73	0.82	0.73
2003	3,675	1,709	47	1,500	41	1.64	0.76	0.67

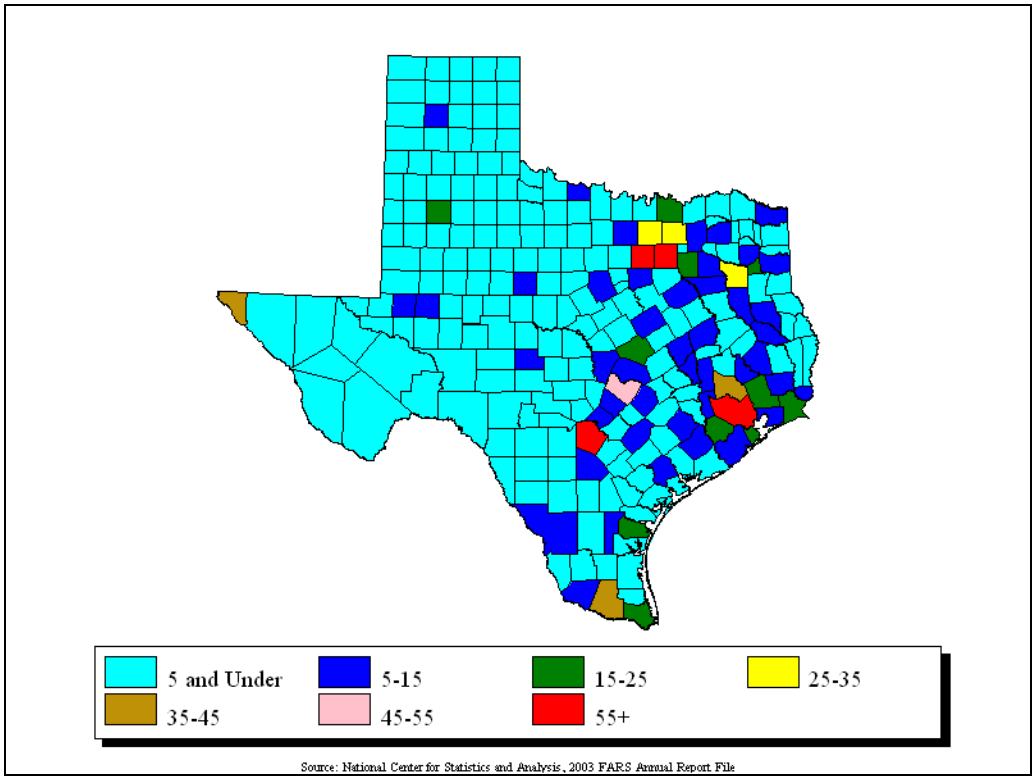
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, TX vs. US	
Time Period	**TX (US)**
1982 to 2003	-66% (-64%)
Last 10 years	-27% (-24%)
Last 5 years	-11% (-6%)
Last 3 Years	-10% (-6%)
Last 1 Year	-7% (-3%)

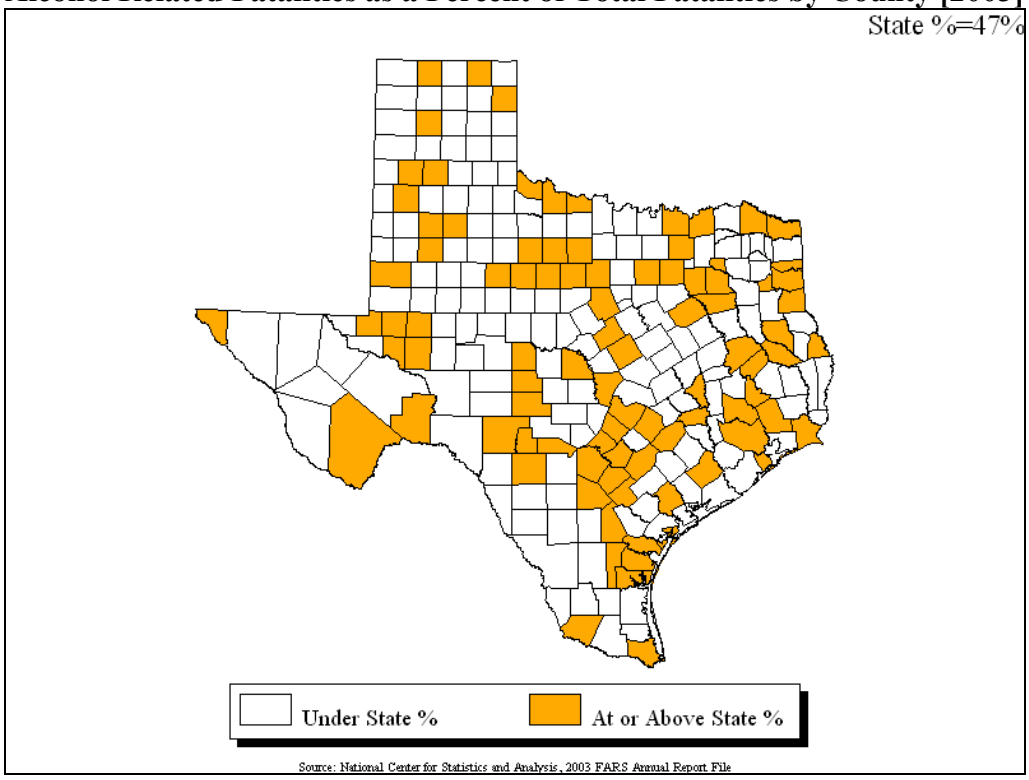
Change in 0.08+ Rates over time, TX vs. US	
Time Period	**TX (US)**
1982 to 2003	-67% (-65%)
Last 10 years	-28% (-25%)
Last 5 years	-11% (-6%)
Last 3 Years	-11% (-6%)
Last 1 Year	-8% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



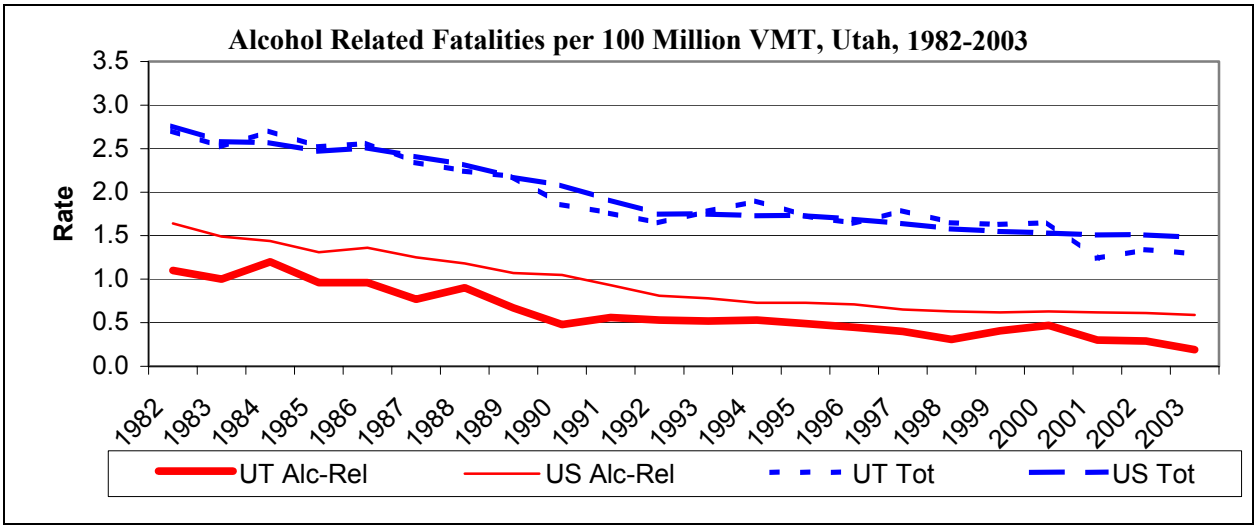
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	295	120	41	105	36	2.70	1.10	0.96
1983	283	112	39	93	33	2.52	1.00	0.83
1984	315	140	44	123	39	2.70	1.20	1.05
1985	303	116	38	103	34	2.52	0.96	0.86
1986	313	117	37	102	33	2.56	0.96	0.83
1987	297	98	33	84	28	2.34	0.77	0.66
1988	297	119	40	101	34	2.24	0.90	0.76
1989	303	93	31	84	28	2.18	0.67	0.60
1990	272	71	26	62	23	1.86	0.48	0.42
1991	271	86	32	70	26	1.76	0.56	0.45
1992	269	86	32	71	27	1.65	0.53	0.44
1993	303	89	30	73	24	1.78	0.52	0.43
1994	343	96	28	77	23	1.90	0.53	0.43
1995	325	92	28	83	25	1.73	0.49	0.44
1996	321	88	27	72	22	1.64	0.45	0.37
1997	366	81	22	65	18	1.79	0.40	0.32
1998	350	65	18	54	15	1.65	0.31	0.25
1999	360	90	25	74	21	1.63	0.41	0.34
2000	373	107	29	91	24	1.65	0.47	0.40
2001	291	70	24	56	19	1.24	0.30	0.24
2002	328	71	22	65	20	1.34	0.29	0.26
2003	309	46	15	39	12	1.29	0.19	0.16

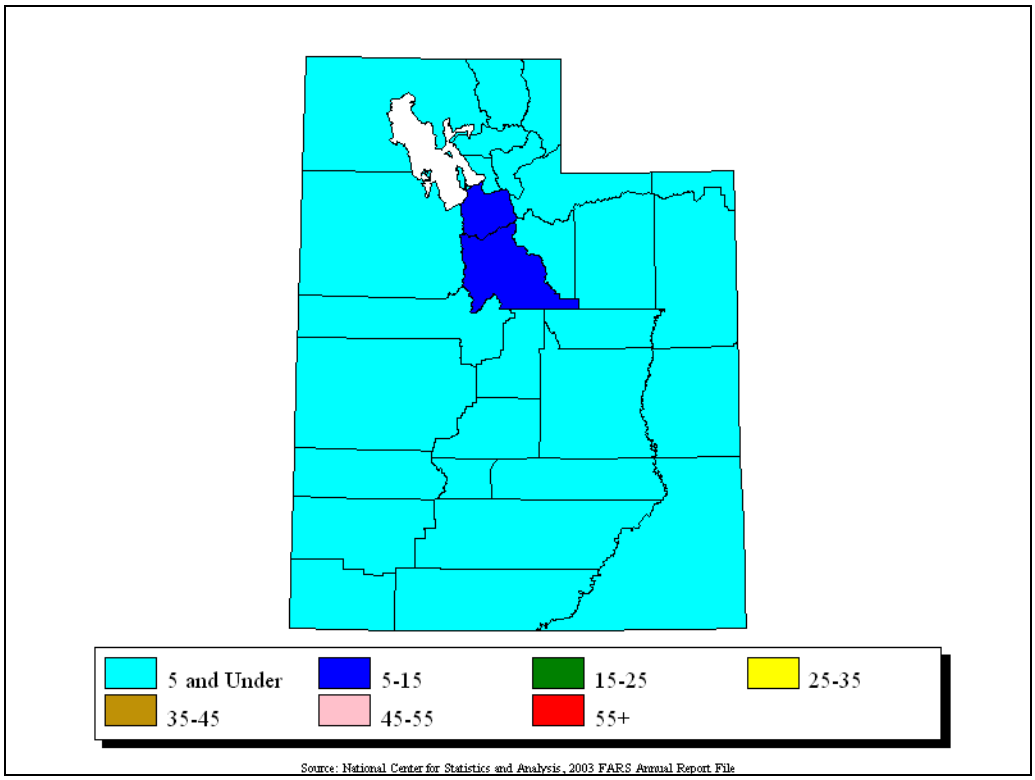
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, UT vs. US	
Time Period	**UT (US)**
1982 to 2003	-83% (-64%)
Last 10 years	-63% (-24%)
Last 5 years	-39% (-6%)
Last 3 Years	-60% (-6%)
Last 1 Year	-34% (-3%)

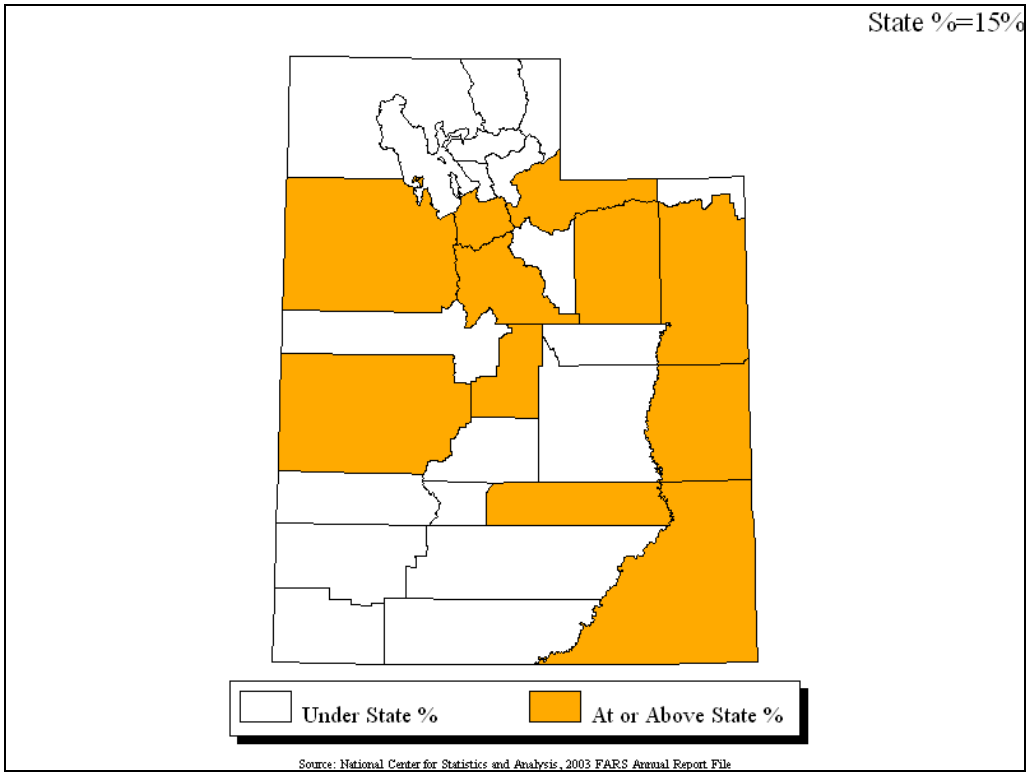
Change in 0.08+ Rates over time, UT vs. US	
Time Period	**UT (US)**
1982 to 2003	-83% (-65%)
Last 10 years	-63% (-25%)
Last 5 years	-36% (-6%)
Last 3 Years	-60% (-6%)
Last 1 Year	-38% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



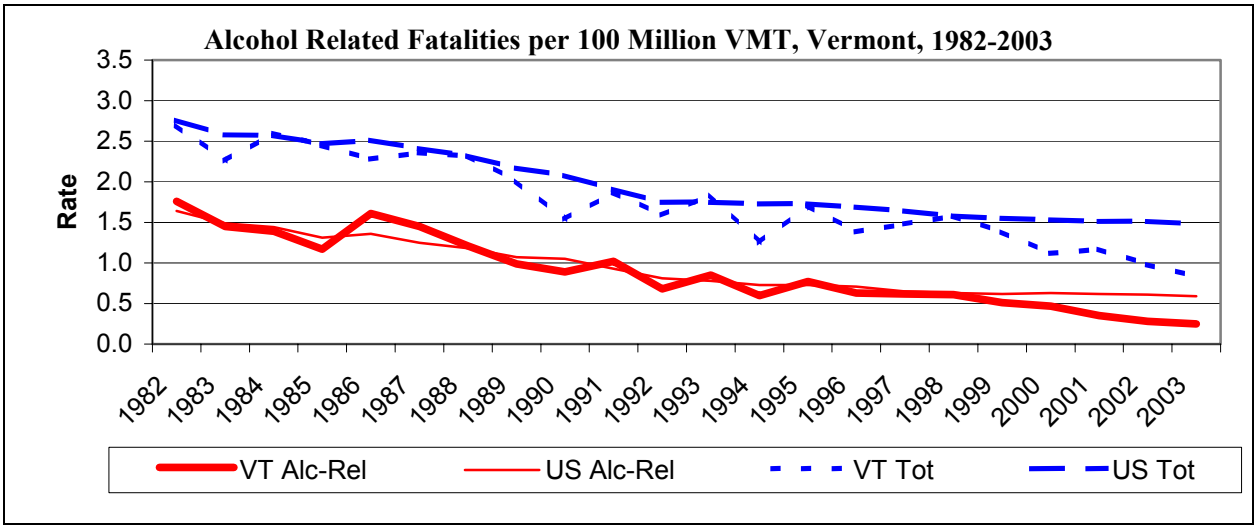
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	107	70	65	54	50	2.70	1.76	1.36
1983	94	60	64	51	54	2.26	1.45	1.23
1984	114	61	53	51	45	2.60	1.39	1.16
1985	115	55	48	46	40	2.45	1.17	0.98
1986	109	77	71	53	48	2.28	1.61	1.11
1987	119	73	62	58	49	2.36	1.45	1.15
1988	129	67	52	58	45	2.32	1.21	1.04
1989	116	57	49	42	36	2.01	0.99	0.73
1990	90	52	57	42	47	1.54	0.89	0.72
1991	110	60	55	47	43	1.87	1.02	0.80
1992	96	41	43	37	39	1.59	0.68	0.61
1993	110	51	46	42	38	1.84	0.85	0.70
1994	77	37	48	32	42	1.25	0.60	0.52
1995	106	48	45	40	38	1.71	0.77	0.64
1996	88	40	45	36	41	1.38	0.63	0.56
1997	96	40	42	36	38	1.48	0.62	0.56
1998	104	40	38	33	32	1.58	0.61	0.50
1999	90	35	39	29	32	1.38	0.53	0.44
2000	76	32	42	29	38	1.12	0.47	0.43
2001	92	34	37	32	35	1.17	0.43	0.41
2002	78	27	35	22	28	0.98	0.34	0.28
2003	69	29	41	21	30	0.83	0.35	0.25

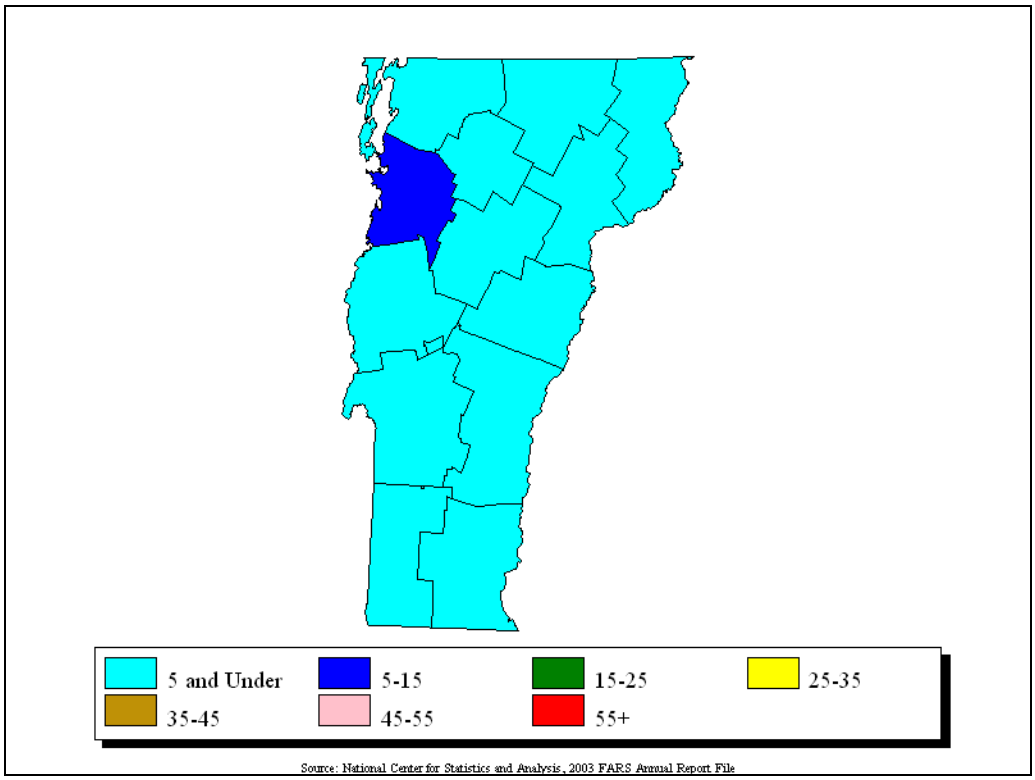
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, VT vs. US	
Time Period	**VT (US)**
1982 to 2003	-80% (-64%)
Last 10 years	-59% (-24%)
Last 5 years	-43% (-6%)
Last 3 Years	-26% (-6%)
Last 1 Year	+3% (-3%)

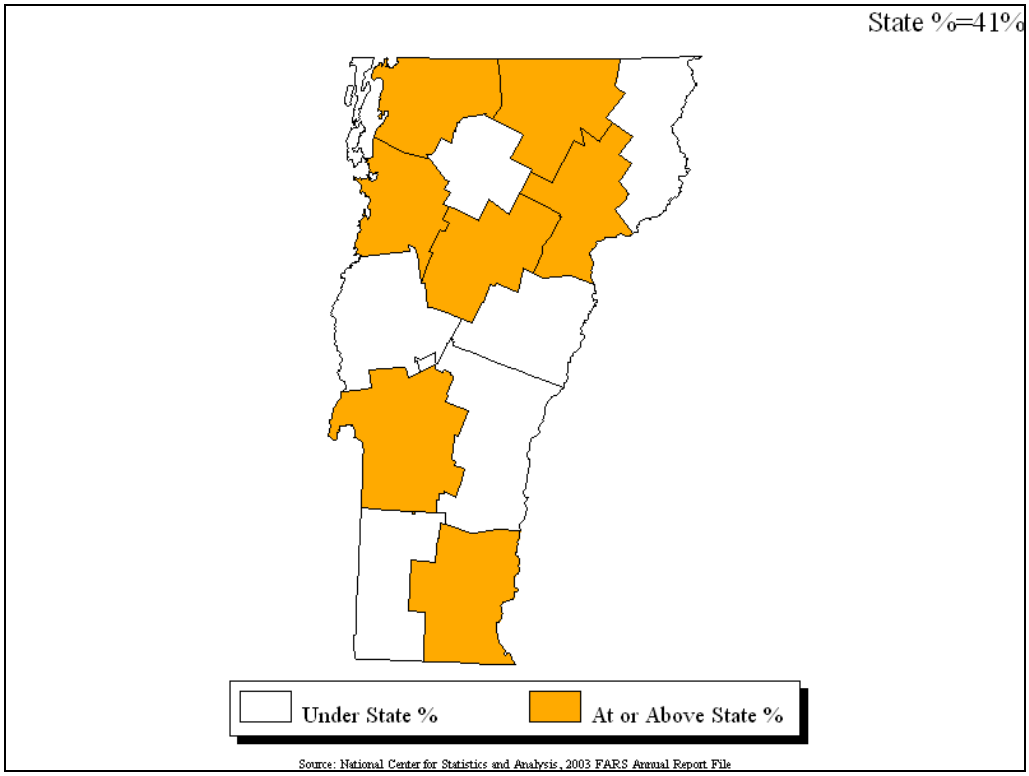
Change in 0.08+ Rates over time, VT vs. US	
Time Period	**VT (US)**
1982 to 2003	-82% (-65%)
Last 10 years	-64% (-25%)
Last 5 years	-50% (-6%)
Last 3 Years	-42% (-6%)
Last 1 Year	-11% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



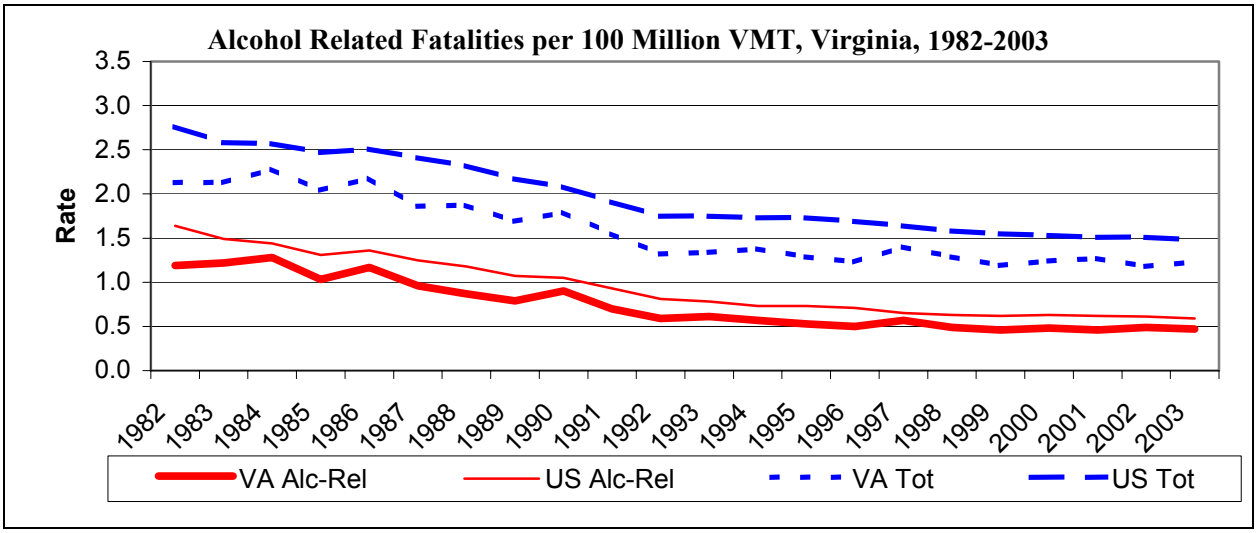
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	881	493	56	438	50	2.13	1.19	1.06
1983	901	518	57	462	51	2.13	1.22	1.09
1984	1,013	572	56	504	50	2.28	1.28	1.13
1985	976	496	51	433	44	2.04	1.03	0.90
1986	1,126	606	54	513	46	2.18	1.17	0.99
1987	1,021	527	52	452	44	1.86	0.96	0.82
1988	1,072	501	47	427	40	1.87	0.87	0.74
1989	1,004	466	46	403	40	1.69	0.79	0.68
1990	1,079	540	50	460	43	1.79	0.90	0.76
1991	948	430	45	381	40	1.55	0.70	0.62
1992	839	373	44	325	39	1.32	0.59	0.51
1993	879	398	45	341	39	1.34	0.61	0.52
1994	930	385	41	340	37	1.38	0.57	0.50
1995	900	373	41	315	35	1.29	0.53	0.45
1996	877	353	40	307	35	1.23	0.50	0.43
1997	984	398	40	339	34	1.40	0.57	0.48
1998	935	359	38	303	32	1.29	0.49	0.42
1999	878	337	38	280	32	1.19	0.46	0.38
2000	929	360	39	303	33	1.24	0.48	0.41
2001	935	339	36	289	31	1.27	0.46	0.39
2002	914	379	41	327	36	1.18	0.49	0.42
2003	943	364	39	309	33	1.23	0.47	0.40

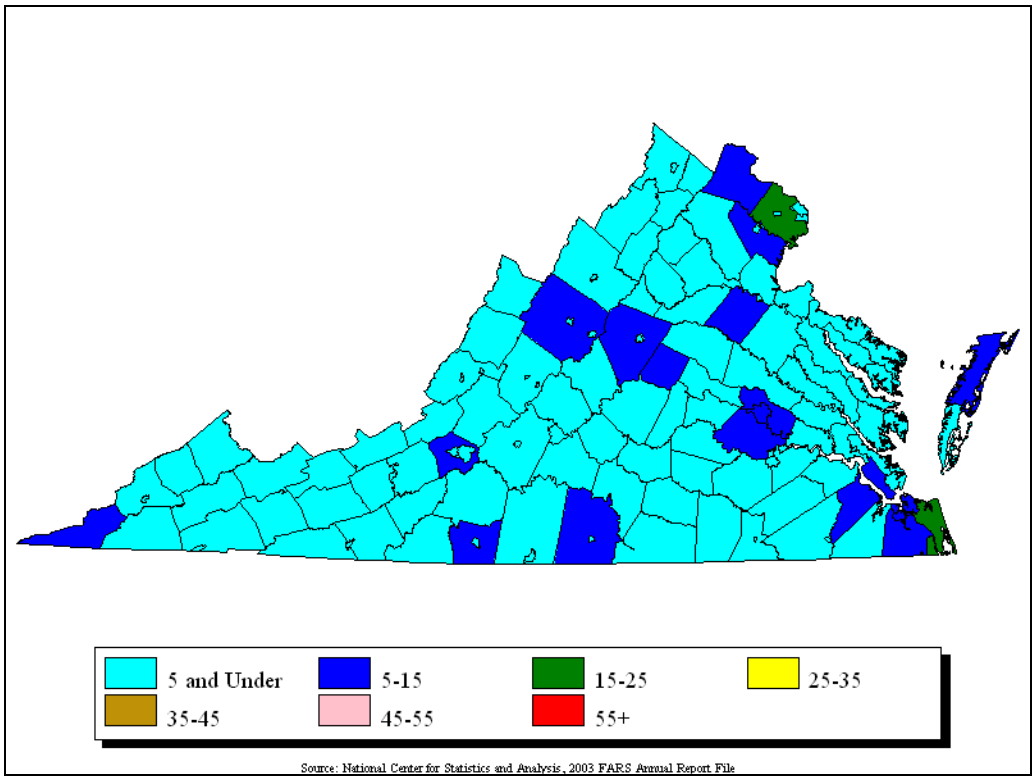
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, VA vs. US	
Time Period	**VA (US)**
1982 to 2003	-61% (-64%)
Last 10 years	-23% (-24%)
Last 5 years	-4% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	-4% (-3%)

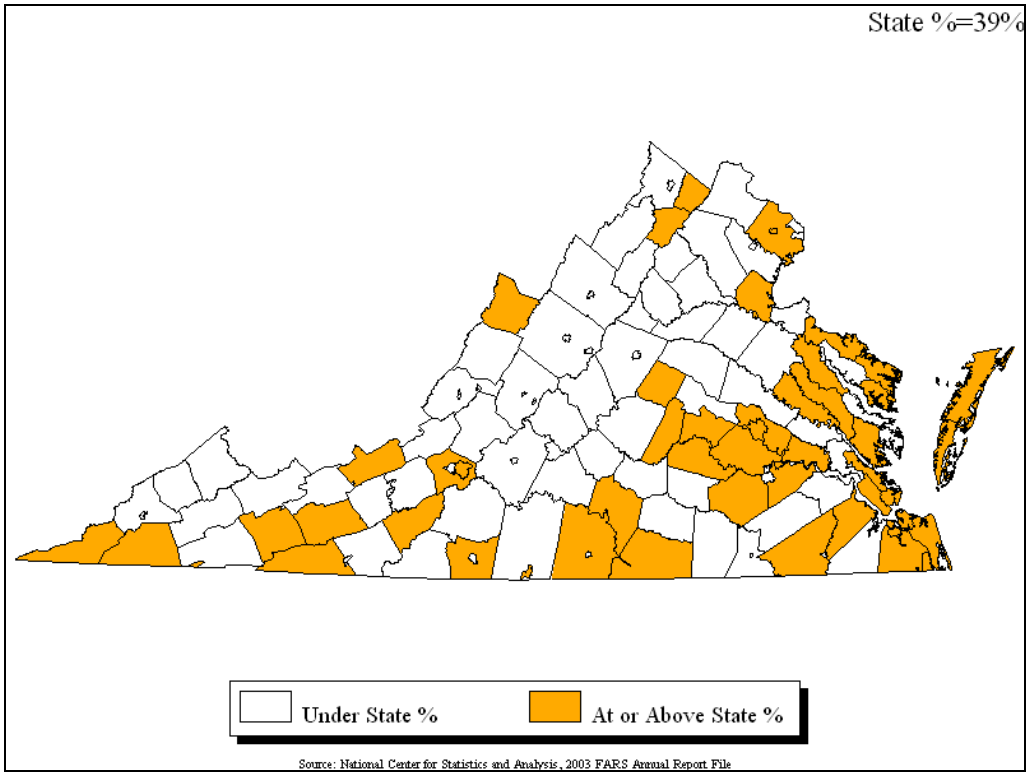
Change in 0.08+ Rates over time, VA vs. US	
Time Period	**VA (US)**
1982 to 2003	-62% (-65%)
Last 10 years	-23% (-25%)
Last 5 years	-5% (-6%)
Last 3 Years	-2% (-6%)
Last 1 Year	-5% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



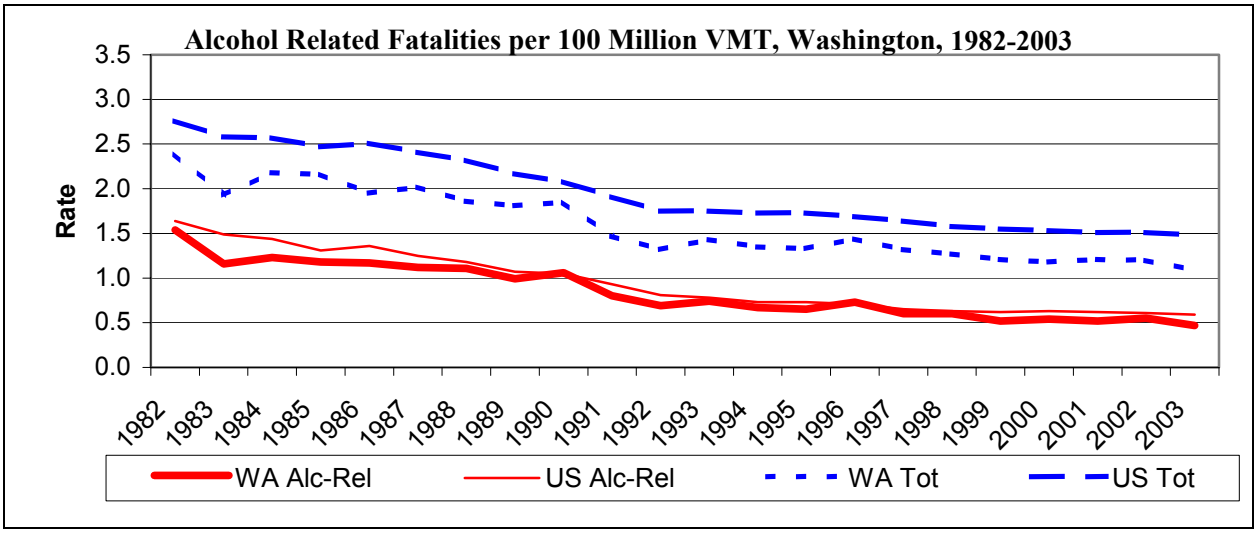
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	748	482	64	445	60	2.39	1.54	1.42
1983	698	421	60	374	54	1.93	1.16	1.03
1984	746	421	56	365	49	2.18	1.23	1.07
1985	744	407	55	351	47	2.16	1.18	1.02
1986	703	422	60	364	52	1.95	1.17	1.01
1987	780	431	55	382	49	2.02	1.12	0.99
1988	778	464	60	415	53	1.86	1.11	0.99
1989	781	428	55	372	48	1.81	0.99	0.86
1990	825	475	58	411	50	1.85	1.06	0.92
1991	682	370	54	325	48	1.47	0.80	0.70
1992	651	339	52	297	46	1.32	0.69	0.60
1993	661	340	51	308	47	1.43	0.74	0.67
1994	640	317	49	274	43	1.35	0.67	0.58
1995	653	322	49	277	42	1.33	0.65	0.56
1996	712	361	51	311	44	1.44	0.73	0.63
1997	674	304	45	257	38	1.32	0.60	0.50
1998	662	313	47	269	41	1.27	0.60	0.52
1999	637	274	43	249	39	1.21	0.52	0.47
2000	631	286	45	241	38	1.18	0.54	0.45
2001	649	281	43	242	37	1.21	0.52	0.45
2002	658	299	45	267	41	1.20	0.55	0.49
2003	600	259	43	228	38	1.09	0.47	0.41

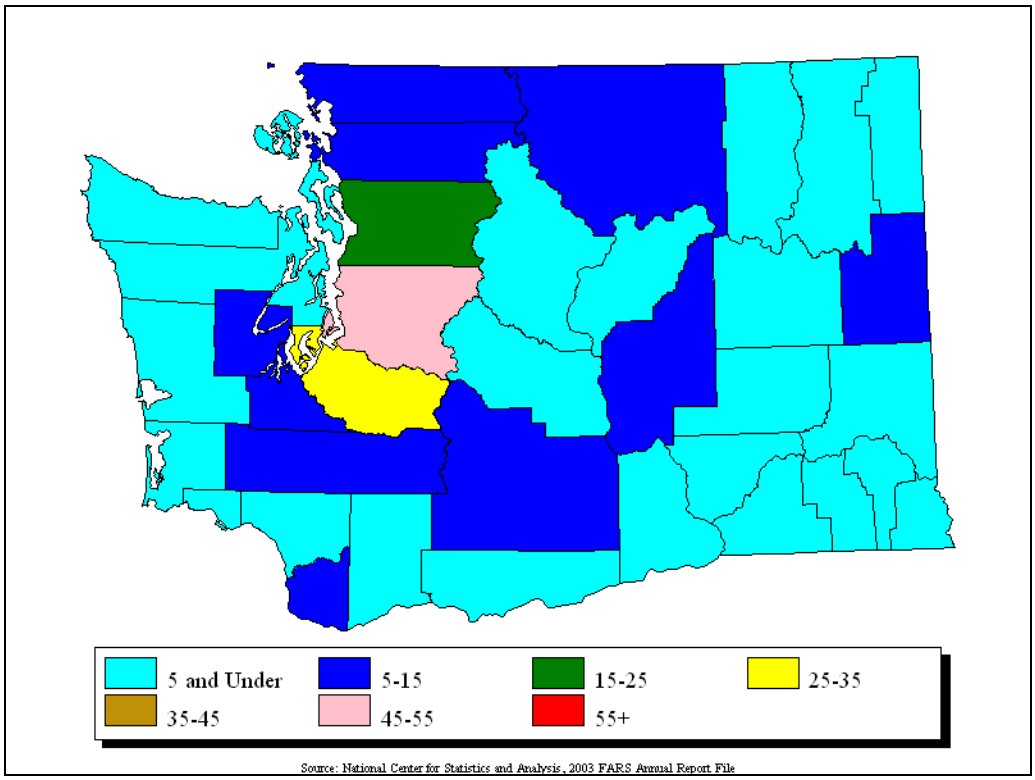
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, WA vs. US	
Time Period	**WA (US)**
1982 to 2003	-69% (-64%)
Last 10 years	-36% (-24%)
Last 5 years	-22% (-6%)
Last 3 Years	-13% (-6%)
Last 1 Year	-15% (-3%)

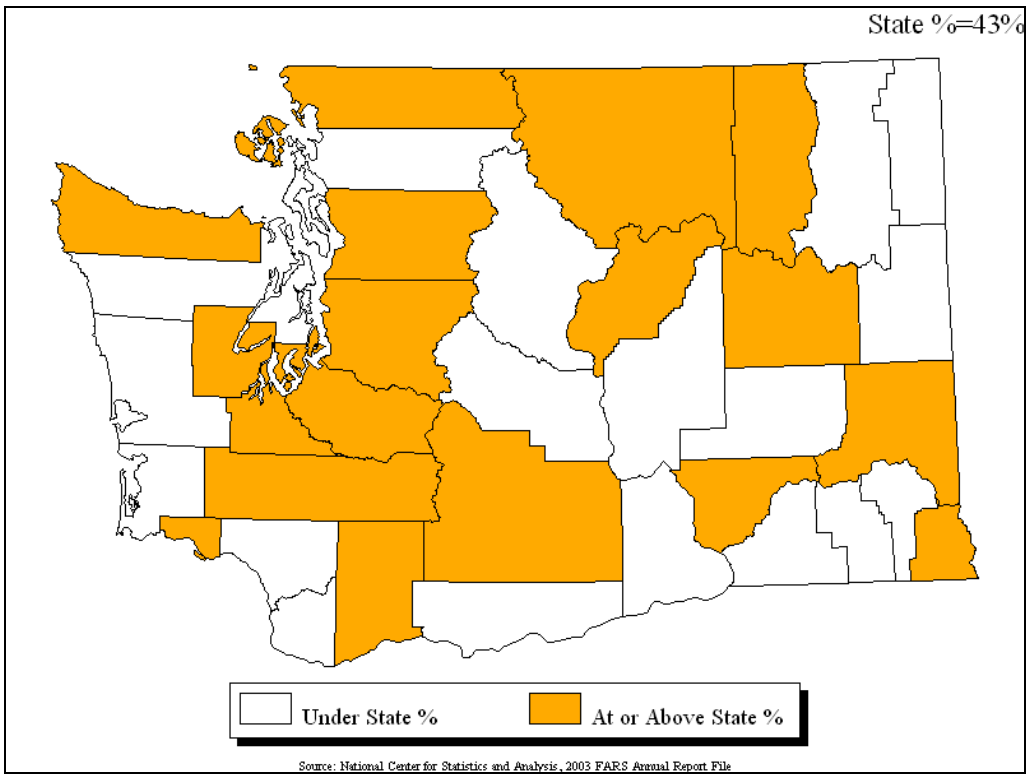
Change in 0.08+ Rates over time, WA vs. US	
Time Period	**WA (US)**
1982 to 2003	-71% (-65%)
Last 10 years	-39% (-25%)
Last 5 years	-21% (-6%)
Last 3 Years	-9% (-6%)
Last 1 Year	-16% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



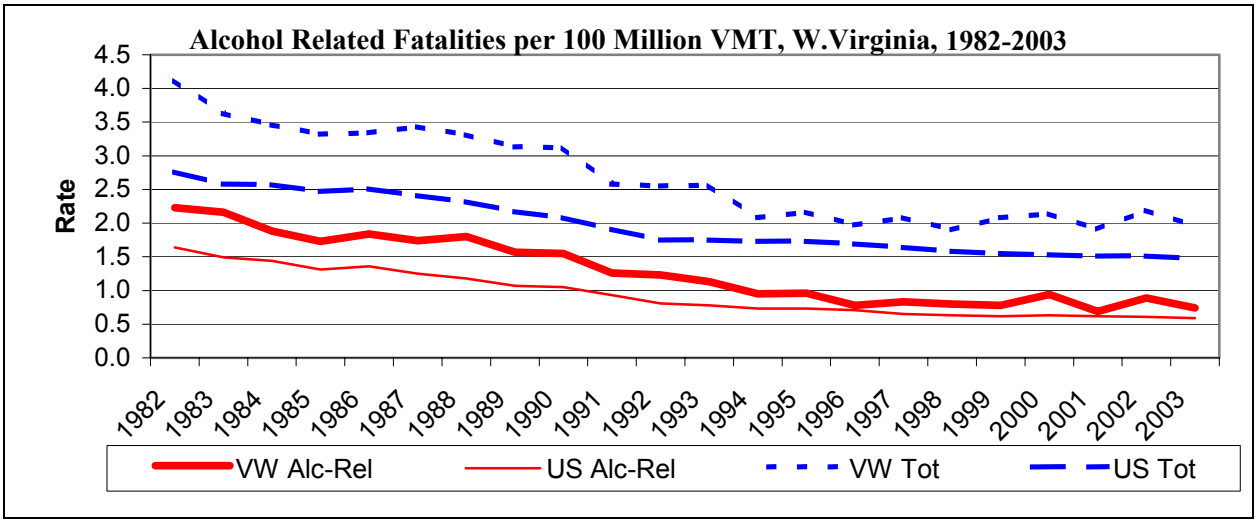
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	450	244	54	226	50	4.12	2.23	2.07
1983	425	253	60	225	53	3.63	2.16	1.92
1984	438	238	54	201	46	3.46	1.88	1.59
1985	420	219	52	199	47	3.32	1.73	1.57
1986	440	242	55	217	49	3.34	1.84	1.65
1987	471	239	51	210	45	3.43	1.74	1.53
1988	460	250	54	224	49	3.31	1.80	1.61
1989	468	235	50	204	44	3.13	1.57	1.37
1990	481	239	50	215	45	3.12	1.55	1.39
1991	414	202	49	176	42	2.58	1.26	1.10
1992	420	203	48	182	43	2.55	1.23	1.10
1993	429	190	44	176	41	2.56	1.13	1.05
1994	356	162	46	148	41	2.08	0.95	0.86
1995	376	168	45	148	39	2.16	0.96	0.85
1996	348	138	40	119	34	1.97	0.78	0.67
1997	381	152	40	140	37	2.08	0.83	0.76
1998	354	150	42	134	38	1.90	0.80	0.72
1999	395	149	38	135	34	2.08	0.78	0.71
2000	411	181	44	165	40	2.14	0.94	0.86
2001	376	136	36	119	32	1.91	0.69	0.60
2002	439	179	41	161	37	2.19	0.89	0.80
2003	394	148	37	126	32	1.96	0.74	0.63

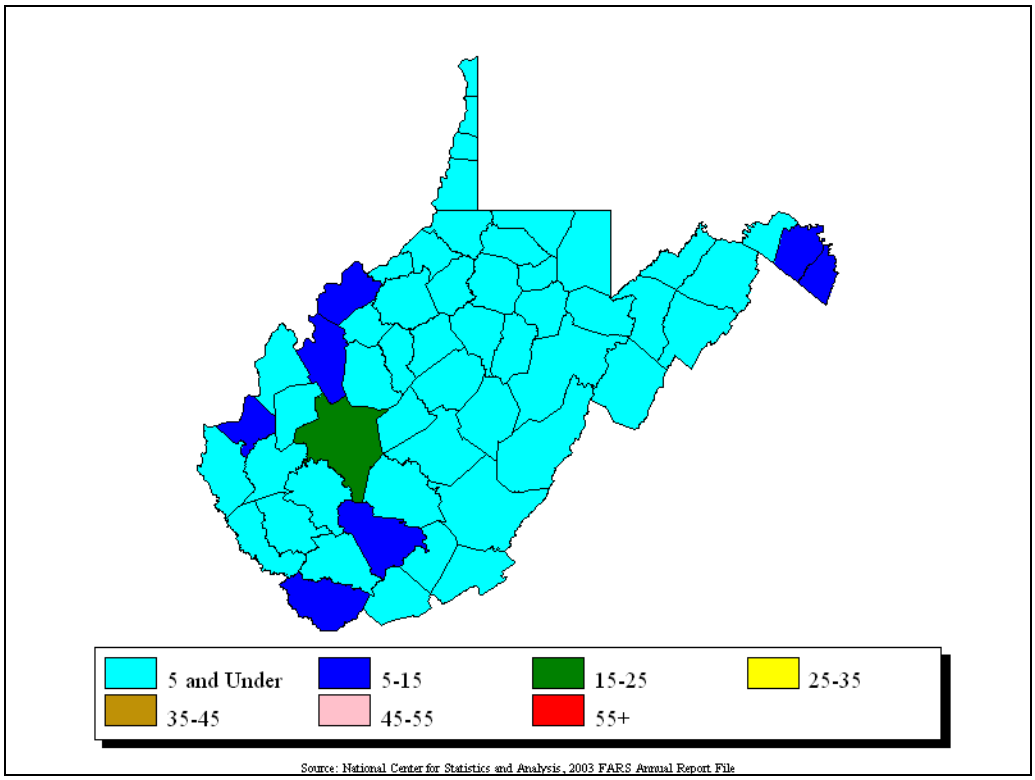
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, WV vs. US	
Time Period	**WV (US)**
1982 to 2003	-67% (-64%)
Last 10 years	-35% (-24%)
Last 5 years	-8% (-6%)
Last 3 Years	-21% (-6%)
Last 1 Year	-17% (-3%)

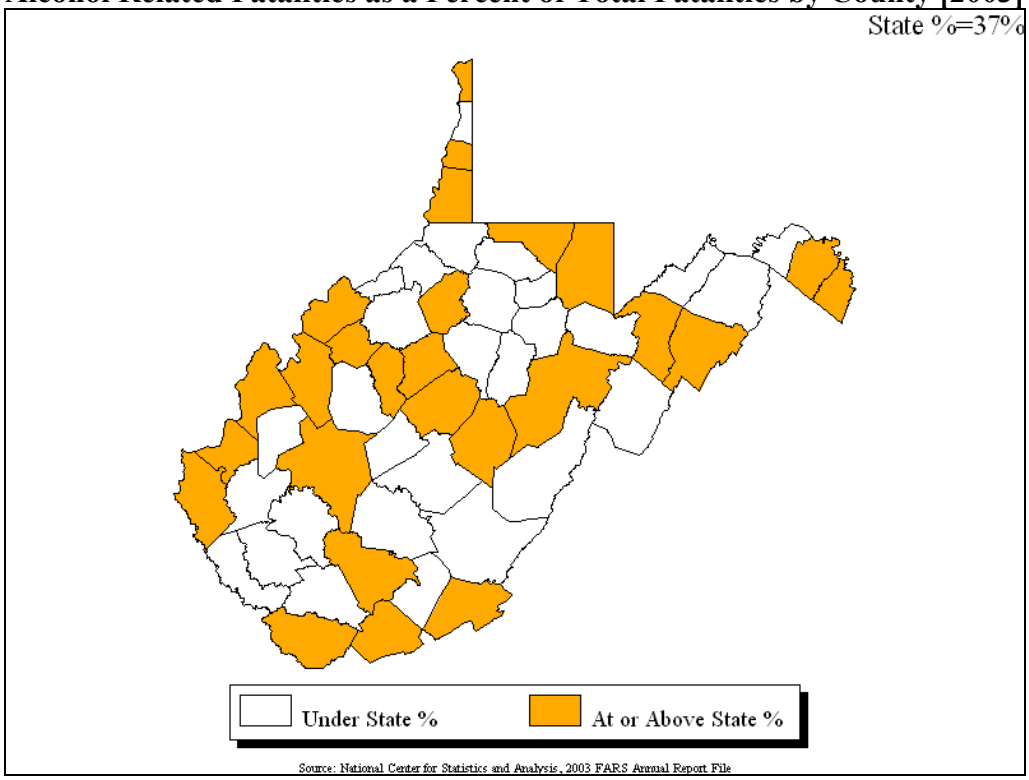
Change in 0.08+ Rates over time, WV vs. US	
Time Period	**WV (US)**
1982 to 2003	-70% (-65%)
Last 10 years	-40% (-25%)
Last 5 years	-13% (-6%)
Last 3 Years	-27% (-6%)
Last 1 Year	-21% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



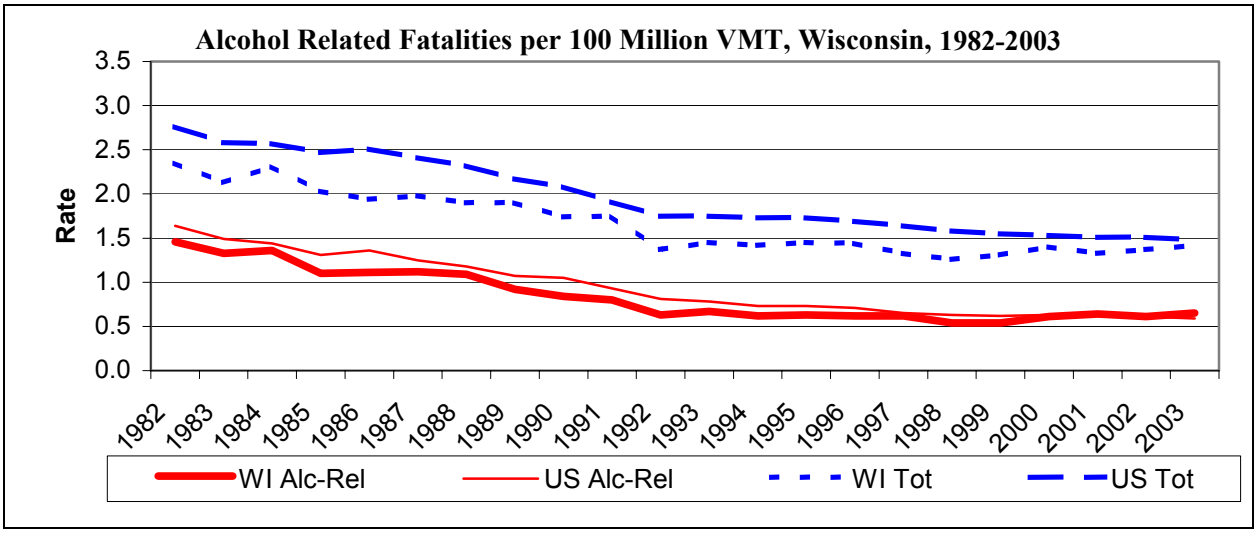
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	770	479	62	441	57	2.35	1.46	1.34
1983	725	453	63	412	57	2.13	1.33	1.21
1984	822	482	59	432	53	2.31	1.36	1.22
1985	744	404	54	366	49	2.03	1.10	1.00
1986	747	428	57	389	52	1.94	1.11	1.01
1987	797	450	56	399	50	1.98	1.12	0.99
1988	807	462	57	404	50	1.90	1.09	0.95
1989	817	397	49	333	41	1.90	0.92	0.77
1990	769	370	48	327	43	1.74	0.84	0.74
1991	797	362	45	314	39	1.75	0.80	0.69
1992	652	302	46	264	40	1.37	0.63	0.55
1993	714	330	46	291	41	1.45	0.67	0.59
1994	712	311	44	270	38	1.42	0.62	0.54
1995	745	323	43	287	39	1.45	0.63	0.56
1996	761	325	43	282	37	1.44	0.62	0.53
1997	725	335	46	289	40	1.33	0.62	0.53
1998	714	304	43	264	37	1.26	0.54	0.47
1999	745	310	42	278	37	1.31	0.54	0.49
2000	799	350	44	316	40	1.40	0.61	0.55
2001	763	366	48	327	43	1.33	0.64	0.57
2002	803	360	45	322	40	1.37	0.61	0.55
2003	848	387	46	340	40	1.42	0.65	0.57

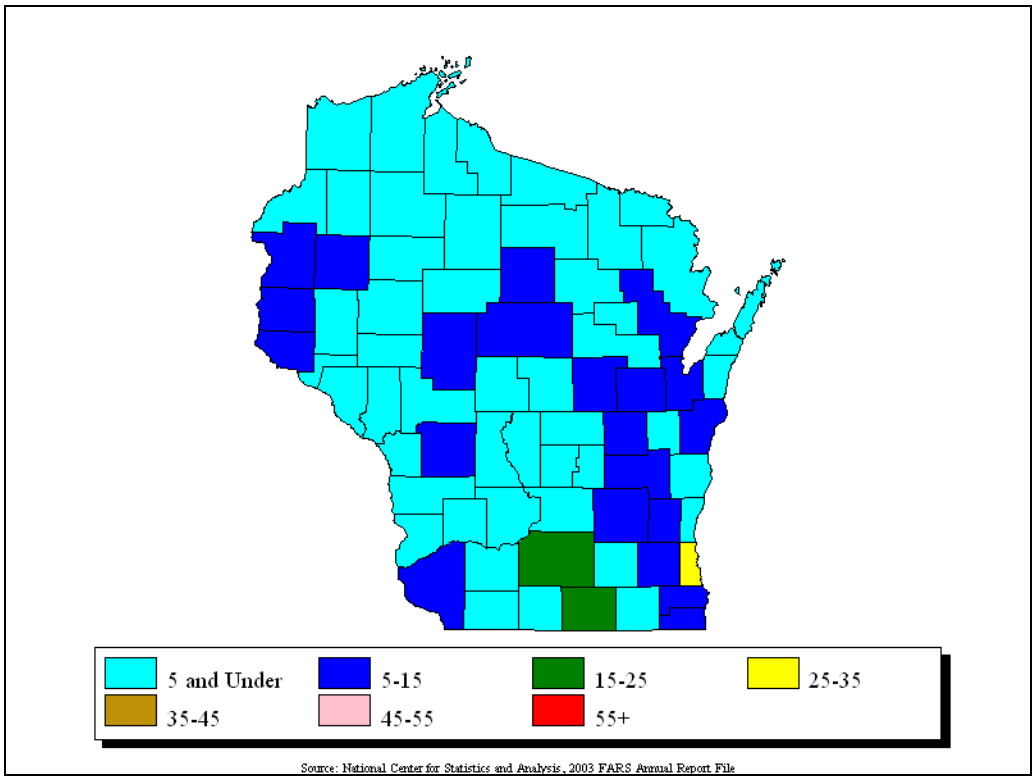
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, WI vs. US	
Time Period	**WI (US)**
1982 to 2003	-55% (-64%)
Last 10 years	-3% (-24%)
Last 5 years	+20% (-6%)
Last 3 Years	+7% (-6%)
Last 1 Year	+7% (-3%)

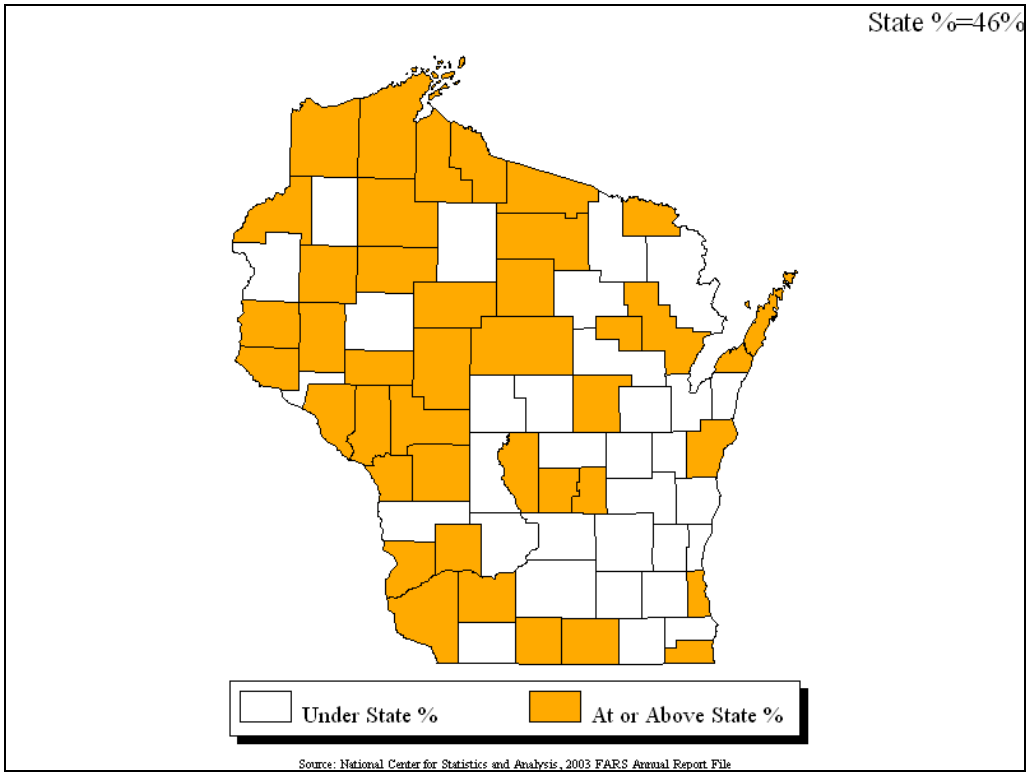
Change in 0.08+ Rates over time, WI vs. US	
Time Period	**WI (US)**
1982 to 2003	-57% (-65%)
Last 10 years	-3% (-25%)
Last 5 years	+21% (-6%)
Last 3 Years	+4% (-6%)
Last 1 Year	+4% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



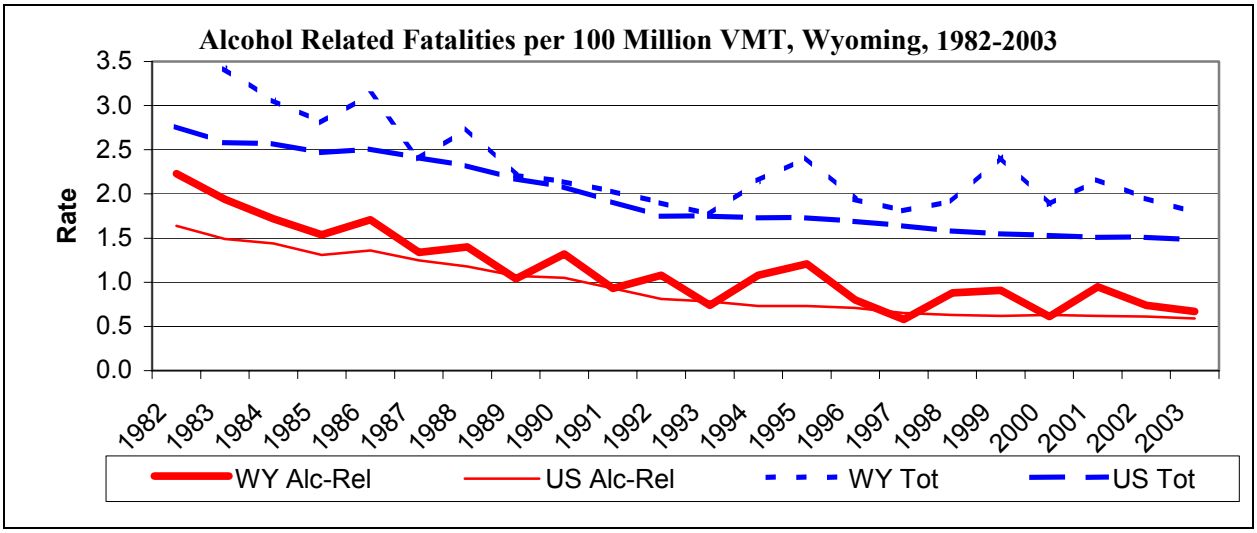
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	201	118	59	105	52	3.81	2.23	1.99
1983	173	98	57	87	50	3.42	1.94	1.72
1984	157	88	56	76	48	3.06	1.72	1.48
1985	152	83	54	63	42	2.81	1.54	1.17
1986	168	92	55	83	49	3.13	1.71	1.54
1987	129	72	56	61	47	2.40	1.34	1.14
1988	155	79	51	72	46	2.74	1.40	1.27
1989	127	60	47	53	41	2.21	1.04	0.92
1990	125	77	62	68	54	2.14	1.32	1.17
1991	122	56	46	52	43	2.03	0.93	0.87
1992	118	67	57	58	49	1.90	1.08	0.93
1993	120	50	42	47	39	1.77	0.74	0.69
1994	144	72	50	66	46	2.15	1.08	0.99
1995	170	85	50	76	45	2.41	1.21	1.08
1996	143	59	42	43	30	1.94	0.80	0.58
1997	137	44	32	40	29	1.81	0.58	0.53
1998	154	71	46	60	39	1.92	0.88	0.75
1999	189	71	38	63	33	2.42	0.91	0.81
2000	152	49	32	44	29	1.88	0.61	0.54
2001	186	82	44	71	38	2.16	0.95	0.82
2002	176	67	38	60	34	1.95	0.74	0.67
2003	165	62	38	50	30	1.79	0.67	0.54

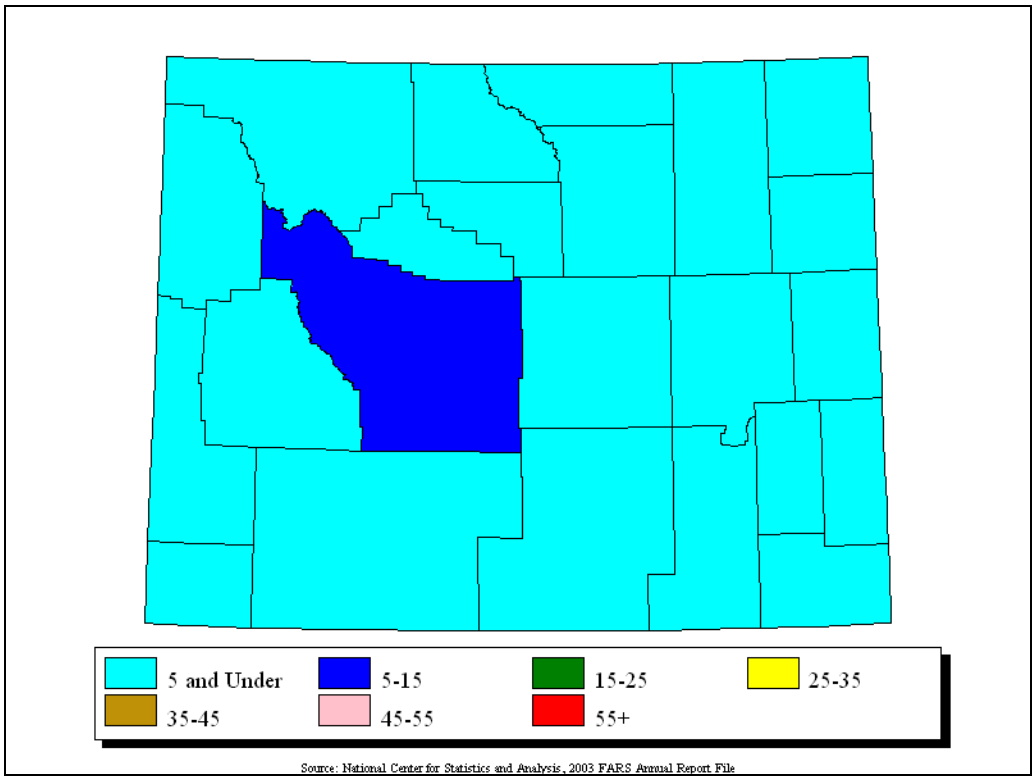
Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

Change in AR-Rates over time, WY vs. US	
Time Period	**WY (US)**
1982 to 2003	-70% (-64%)
Last 10 years	-9% (-24%)
Last 5 years	-24% (-6%)
Last 3 Years	+10% (-6%)
Last 1 Year	-9% (-3%)

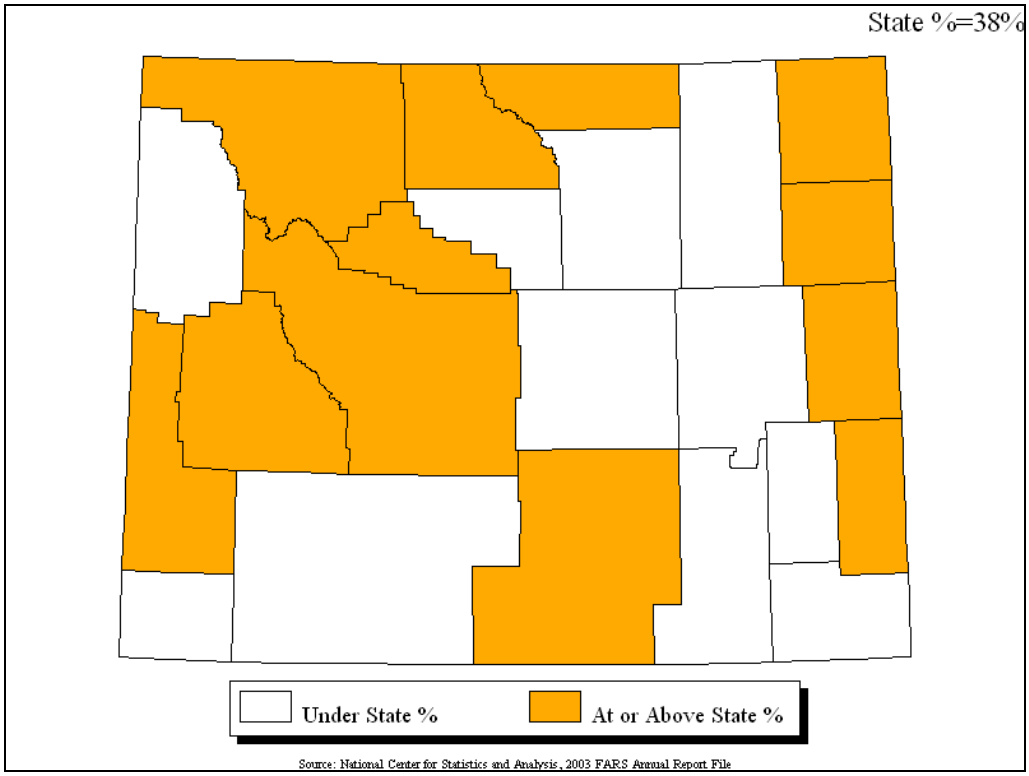
Change in 0.08+ Rates over time, WY vs. US	
Time Period	**WY (US)**
1982 to 2003	-73% (-65%)
Last 10 years	-22% (-25%)
Last 5 years	-28% (-6%)
Last 3 Years	0% (-6%)
Last 1 Year	-19% (-4%)



Alcohol Related Fatalities by County [2003]



Alcohol Related Fatalities as a Percent of Total Fatalities by County [2003]



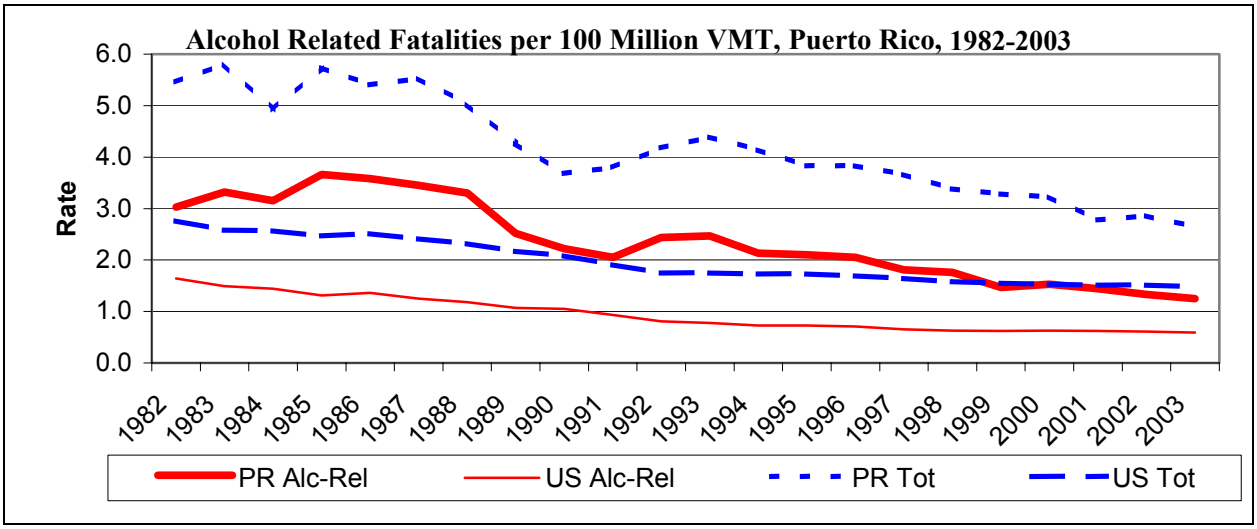
Fatalities and Fatality Rate per 100 Million VMT

Year	Fatalities					Fatality Rate		
	Tot	Alc-Rel	%	0.08+	%	Tot	Alc-Rel	0.08+
1982	480	267	56	242	50	5.46	3.03	2.75
1983	514	294	57	261	51	5.81	3.32	2.95
1984	545	349	64	305	56	4.92	3.15	2.75
1985	600	383	64	334	56	5.74	3.66	3.19
1986	592	392	66	333	56	5.40	3.58	3.04
1987	614	383	62	342	56	5.53	3.45	3.08
1988	585	384	66	330	56	5.03	3.30	2.83
1989	542	321	59	277	51	4.26	2.52	2.18
1990	473	285	60	248	52	3.68	2.22	1.93
1991	495	267	54	222	45	3.80	2.05	1.70
1992	571	333	58	278	49	4.18	2.44	2.04
1993	600	337	56	279	47	4.39	2.47	2.04
1994	598	308	52	253	42	4.14	2.13	1.75
1995	595	327	55	272	46	3.83	2.10	1.75
1996	601	322	54	278	46	3.83	2.05	1.77
1997	592	293	49	253	43	3.66	1.81	1.56
1998	558	291	52	240	43	3.38	1.76	1.45
1999	558	249	45	207	37	3.28	1.47	1.22
2000	568	268	47	217	38	3.23	1.53	1.24
2001	495	256	52	220	44	2.78	1.44	1.24
2002	518	241	47	198	38	2.86	1.33	1.09
2003	493	233	47	183	37	2.64	1.25	0.98

Source: 1982-2002 (Final) FARS Files and 2003 FARS Annual Report File, FHWA's Highway Statistics Annual Series

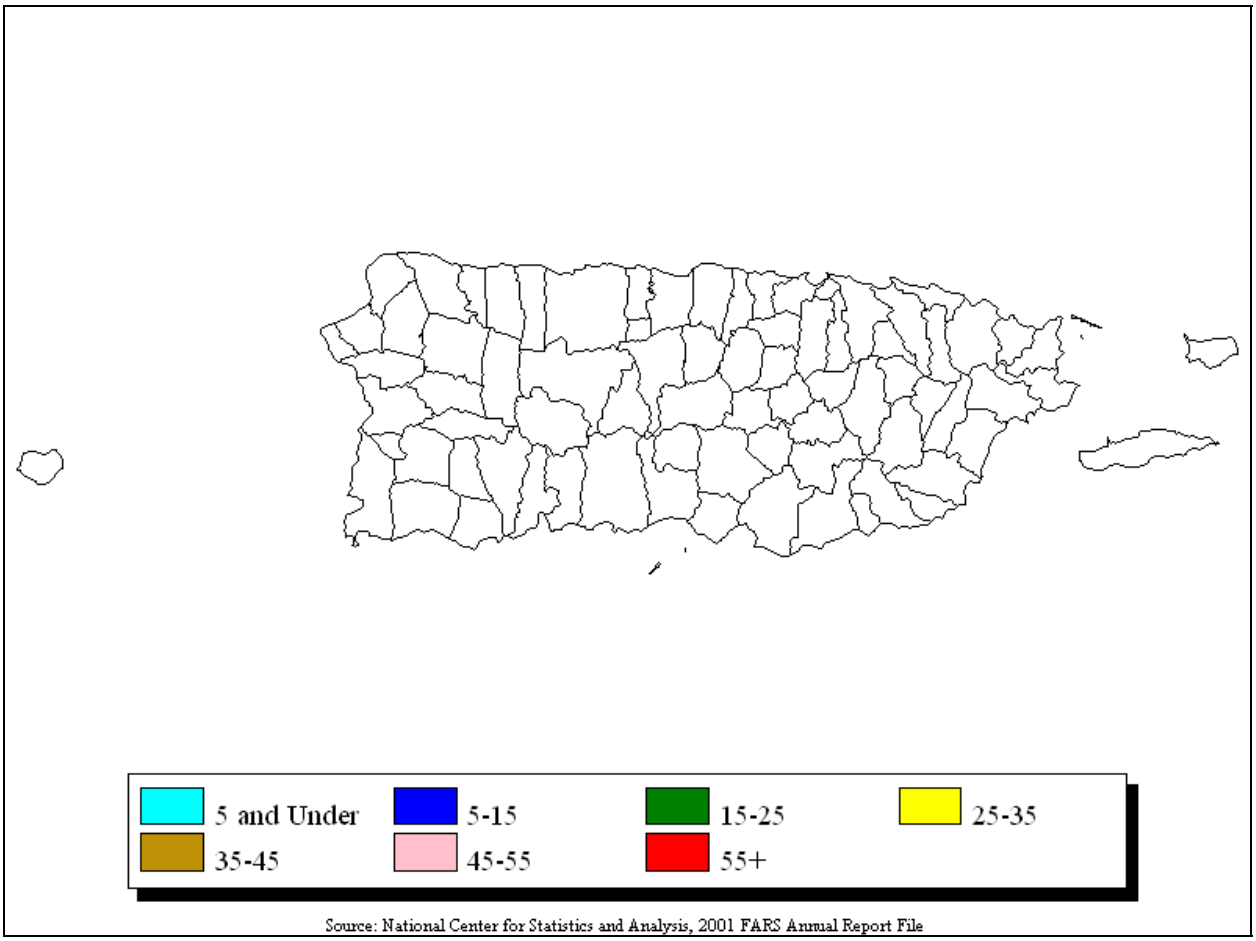
Change in AR-Rates over time, PR vs. US	
Time Period	**PR (US)**
1982 to 2003	-59% (-64%)
Last 10 years	-49% (-24%)
Last 5 years	-29% (-6%)
Last 3 Years	-18% (-6%)
Last 1 Year	-6% (-3%)

Change in 0.08+ Rates over time, PR vs. US	
Time Period	**PR (US)**
1982 to 2003	-64% (-65%)
Last 10 years	-52% (-25%)
Last 5 years	-32% (-6%)
Last 3 Years	-21% (-6%)
Last 1 Year	-10% (-4%)



Alcohol Related Fatalities by County [2003]

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 1982-2003 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 (2003) *Highway Statistics. Annual Report*, Federal Highway Administration, Department of Transportation.

2. NHTSA (2002) *Traffic Safety Facts 2002 Early Edition.* Report DOT-HS-809-620, 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.

Alcohol-Related Fatalities – Q&As

This document answers questions related to the differences between the number of alcohol-related fatalities as reported by some states and those reported by NHTSA.

1. Why do some states report a smaller number of alcohol-related fatalities than the number reported by NHTSA?

A. Discrepancies may occur because NHTSA and a state may use different approaches to counting alcohol-related fatalities. The primary reason for these discrepancies is that some states include only those fatalities that occur in crashes where alcohol involvement is **known.** NHTSA, on the other hand, also includes those fatalities that occur in crashes where actual alcohol involvement is unknown, but is estimated using imputation.

2. What is "imputation"?

A. Imputation, the statistical procedure of 'filling in' missing data with plausible values, is an effective approach to estimating missing data. Imputation is widely used by researchers whose analyses would otherwise be biased by missing data.

3. Are there a large number of fatal crashes where alcohol involvement is not known?

A. Yes. On an average, in more than 50 percent of the cases, alcohol involvement, as determined by actual alcohol testing, is not known. Alcohol test results may not be known for any of several reasons: the test was given, but the results were not obtained by the Fatality Analysis Reporting System (FARS); the test was refused; FARS was unable to determine if the tests were given; or, the test was not given.

4. How does NHTSA "impute" alcohol involvement?

A. Imputation, as applied by NHTSA, uses characteristics of the persons involved in the crash to predict alcohol involvement when it is **not known**. Those characteristics include police-reported drinking, age, sex, restraint-use, type of crash, time of day, and driver of striking or struck vehicle.

5. How does NHTSA count alcohol-related fatalities?

A. NHTSA counts a fatality as alcohol related if it occurs in a crash where any of the drivers, pedestrians or pedalcyclists involved has a Blood Alcohol Concentration (BAC) of 0.01 or more. BAC is the grams of alcohol per deciliter of blood (g/dl). NHTSA determines a fatality to be alcohol related based on known BACs in the FARS as well as imputed BACs when an alcohol test result is not reported.

6. What is the disadvantage of not imputing alcohol involvement?

A. Because alcohol test results are unknown for a large proportion of cases, reporting alcohol-related fatalities based only on those cases with known results could lead to a significant underestimate of alcohol-related fatalities. When imputation is not used, cases with unknown alcohol involvement are treated as not being alcohol related.

7. What are the benefits of imputing alcohol involvement?

A. Because the reporting of alcohol test results varies widely by state, imputation provides a more meaningful way for states to assess the problem of alcohol involvement in fatal crashes and compare the extent of their problem with other states. In addition, because NHTSA has applied imputation back to 1982 data, using the NHTSA estimates enables a state to perform a consistent assessment of its progress as well as to better allocate funds to impaired driving programs. Without imputation, the wide variation in a state's year-to-year reporting of alcohol involvement could produce a less consistent assessment of progress.

8. Are there any other reasons why NHTSA's estimates of alcohol-related fatalities may differ from those reported by some states?

A. Yes. Other reasons that a state estimate of alcohol-related fatalites would differ from NHTSA's estimate include: the state may exclude fatalities that occur in some jurisdictions; the state may count only fatalities in crashes with an alcohol involved driver; the state may use an alcohol threshold other than 0.01 g/dl for counting alcohol related fatalities; or, the state may use data that has not yet been reported to FARS. While these definitional differences may cause a descrepancy in some states, the principal difference is whether or not imputation is used.

9. How could estimates of alcohol-related fatalities be improved?

A. Data are most reliable when they are known. Consequently, if states tested all drivers involved in fatal crashes (killed *and* surviving) as well as improved the reporting of alcohol (BAC) test results to FARS, improved estimates of alcohol-related fatalities could be obtained.

More information about the methodology to impute missing BAC test results can be found in the following report located on NCSA's web site:
http://www-nrd.nhtsa.dot.gov/pdf/nrd-30/NCSA/Rpts/2002/809-403.pdf

Additional information about imputation and Statistics on alcohol-related fatalities can be found at:
http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/AvailInf.html

NCSA

DOT HS 809 830
January 2005

National Highway Traffic Safety Administration's
National Center for Statistics and Analysis