

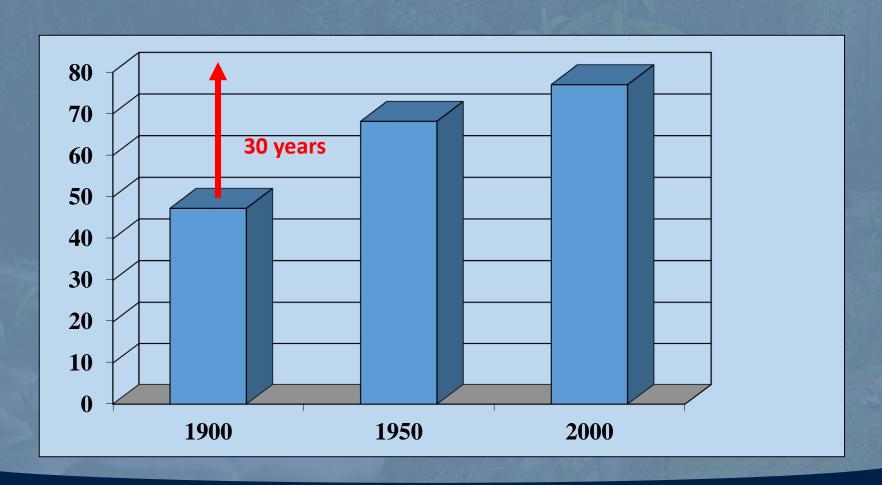
Life Expectancy

Estimated Average Life Expectancy in 2014:

79.56 Years

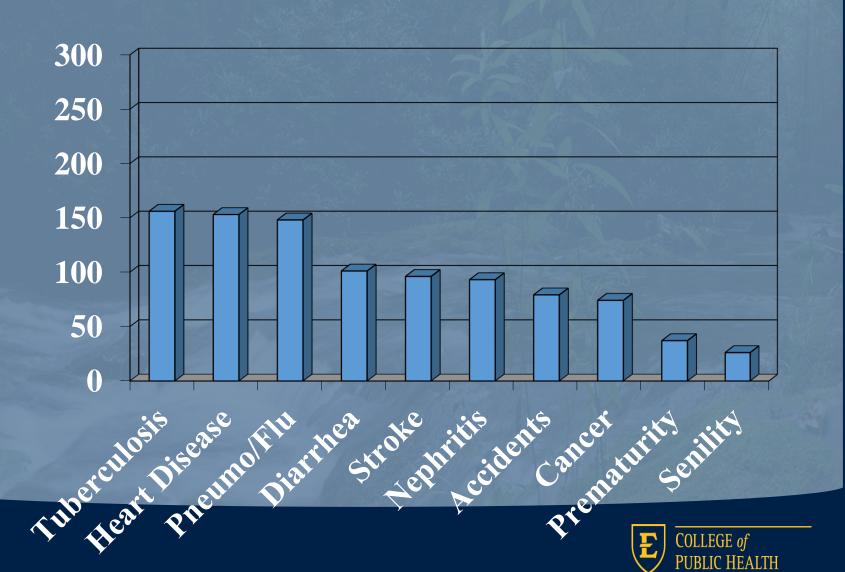


Life Expectancy Change in the 20th Century

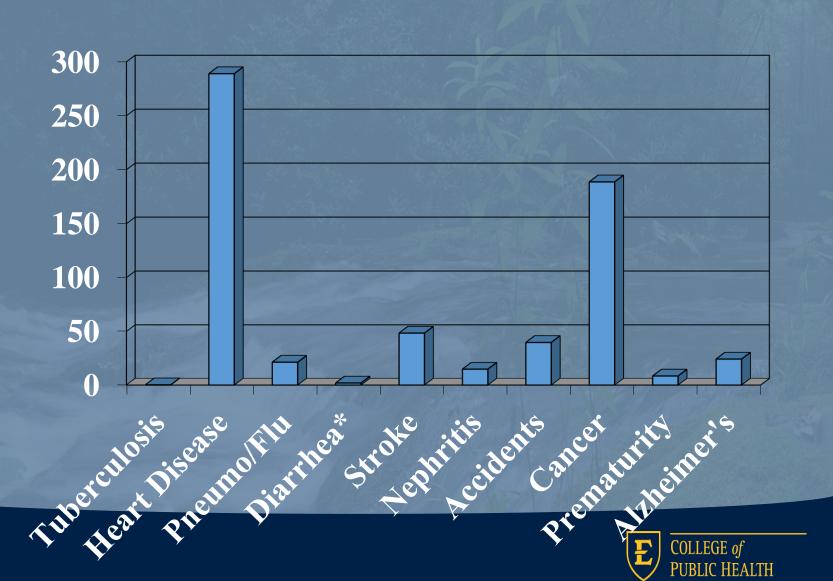




Cause of Deaths—United States 1909



Cause of Deaths—United States 2005



Life Expectancy

In 2014, for Life Expectancy the United States Ranks:

33rd

Behind---

Monaco, Japan, Singapore, San Marino, Andorra, Switzerland, Guernsey, Australia, Italy, Sweden, Liechtenstein, Canada, France, Jersey, Norway, Spain, Israel, Iceland, Netherlands, Isle of Man, New Zealand, Ireland, Germany, United Kingdom, Greece, Austria, Malta, {European Union} Luxembourg, Belgium, Taiwan, South Korea, and Finland

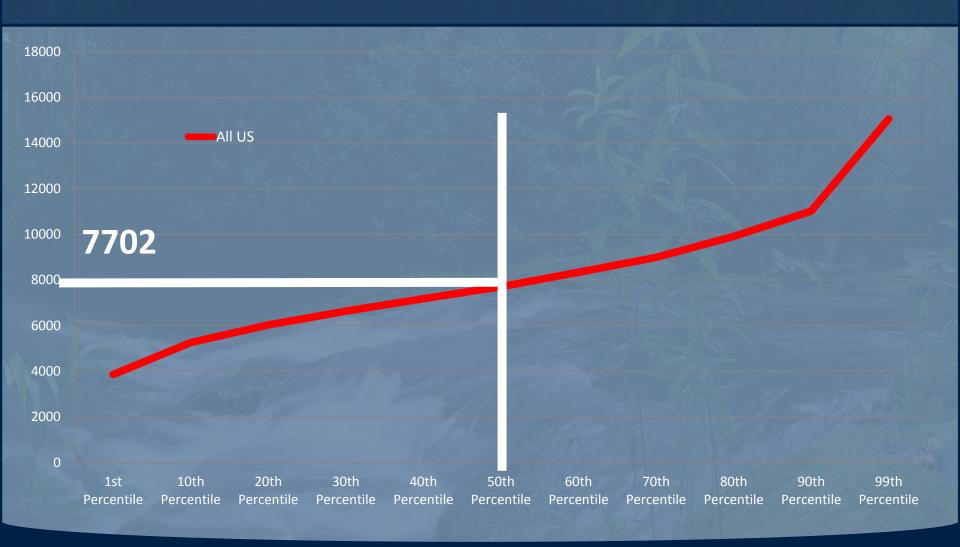


Premature Death Rates: United States 2015

1	Minnesota	5414	18	Virginia	6435	34	Michigan	7618
2	Massachusetts	5468	19	Illinois	6555	35	Montana	7673
3	Connecticut	5573	20	Maine	6729	36	Alaska	7758
4	California	5609	21	Idaho	6747	37	Georgia	7880
5	New York	5714	22	Maryland	6780	38	Ohio	7991
6	New Hampshire	5809	23	South Dakota	6913	39	Missouri	8117
7	New Jersey	5819		UNITED STATES	6997	40	Indiana	8129
8	Washington	5835	24	Florida	7059	41	New Mexico	8190
9	Vermont	5958	25	Texas	7084	42	South Carolina	8592
10	Colorado	5982	26	North Dakota	7098	43	Tennessee	9088
11	Hawaii	6047	27	Kansas	7110	44	Kentucky	9110
12	Nebraska	6125	28	Arizona	7164	45	Arkansas	9586
13	Utah	6157	29	Pennsylvania	7204	46	Oklahoma	9799
14	Iowa	6252	30	Wyoming	7320	47	Louisiana	9957
15	Rhode Island	6308	31	Nevada	7497	48	Alabama	10095
16	Oregon	6319	32	Delaware	7509	49	West Virginia	10129
17	Wisconsin	6365	33	North Carolina	7604	50	Mississippi	10744



Premature Mortality (YPLL): All Counties in the United States



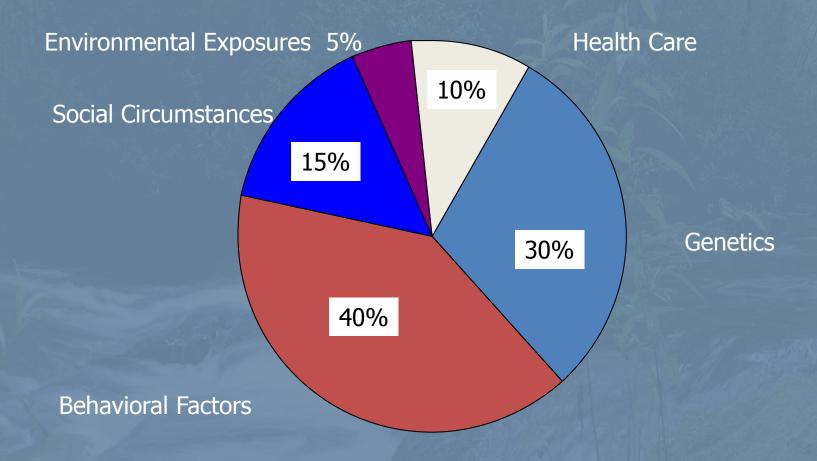


Premature Mortality (YPLL): All 2989 Counties in US vs 238 Counties in Central Appalachia





Factors Contributing to Premature Death





Actual Leading Causes of Death

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- Diet/activity patterns
- Alcohol
- Microbial agents
- Toxic agents
- Motor vehicles
- Firearms
- Sexual behavior
- Illicit Drug Use

18.1% of all deaths

15.2% of all deaths

3.5% of all deaths

3.1% of all deaths

2.3% of all deaths

1.8% of all deaths

1.1% of all deaths

0.8% of all deaths

0.7% of all deaths

Actual Causes of Death in the United States, 2000 Mokdad et al

JAMA 291: 1238-1245

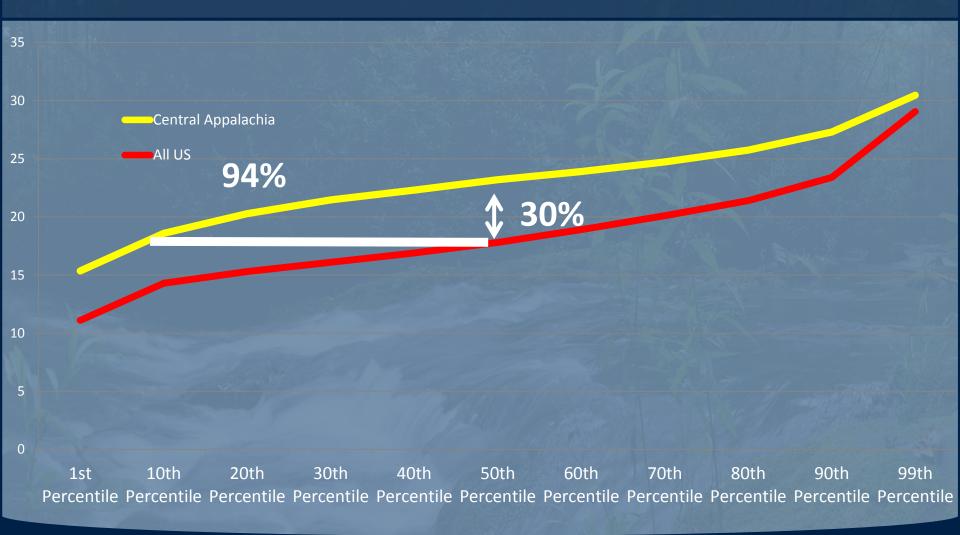


Prevalence of Smoking: Adults

Utah	9.7	18=Nevada	17.0	33=Delaware	19.9
California	12.8	18=Oregon	17.0	33=Montana	19.9
Hawaii	14.1	20 Nebraska	17.3	33=North Dakota	19.9
New York	14.4	21=Georgia	17.4	33=Pennsylvania	19.9
Texas	14.5	21=Wisconsin	17.4	38 Missouri	20.6
Maryland	14.6	23 New Hampshire	17.5	39 Ohio	21.0
Massachusetts	14.7	24 Florida	17.6	40=Alabama	21.1
New Jersey	15.1	UNITED STATES	3 18.1	40=Oklahoma	21.1
Washington	15.3	25 Kansas	18.1	42 Michigan	21.2
Connecticut	15.4	26 Iowa	18.5	43 South Carolina	21.5
Colorado	15.7	27 South Dakota	18.6	44 Indiana	22.9
Idaho	15.9	28=New Mexico	19.1	45 Mississippi	23.0
=Minnesota	16.3	28=North Carolina	19.1	46 Louisiana	24.0
=Rhode Island	16.3	30 Maine	19.3	47 Tennessee	24.2
Vermont	16.4	31=Virginia	19.5	48 Arkansas	24.7
=Arizona	16.5	31=Wyoming	19.5	49 Kentucky	26.2
=Illinois	16.5	33=Alaska	19.9	50 West Virginia	26.7
	California Hawaii New York Texas Maryland Massachusetts New Jersey Washington Connecticut	California 12.8 Hawaii 14.1 New York 14.4 Texas 14.5 Maryland 14.6 Massachusetts 14.7 New Jersey 15.1 Washington 15.3 Connecticut 15.4 Colorado 15.7 Idaho 15.9 =Minnesota 16.3 Permont 16.4 =Arizona 16.5	California 12.8 18=Oregon Hawaii 14.1 20 Nebraska New York 14.4 21=Georgia Texas 14.5 21=Wisconsin Maryland 14.6 23 New Hampshire Massachusetts 14.7 24 Florida New Jersey 15.1 UNITED STATES Washington 15.3 25 Kansas Connecticut 15.4 26 Iowa Colorado 15.7 27 South Dakota Idaho 15.9 28=New Mexico Minnesota 16.3 28=North Carolina Rhode Island 16.3 30 Maine Vermont 16.4 31=Virginia Arizona 16.5 31=Wyoming	California 12.8 18=Oregon 17.0 Hawaii 14.1 20 Nebraska 17.3 New York 14.4 21=Georgia 17.4 Texas 14.5 21=Wisconsin 17.4 Maryland 14.6 23 New Hampshire 17.5 Massachusetts 14.7 24 Florida 17.6 New Jersey 15.1 UNITED STATES 18.1 Washington 15.3 25 Kansas 18.1 Connecticut 15.4 26 lowa 18.5 Colorado 15.7 27 South Dakota 18.6 Idaho 15.9 28=New Mexico 19.1 =Minnesota 16.3 28=North Carolina 19.1 =Rhode Island 16.3 30 Maine 19.3 Vermont 16.4 31=Virginia 19.5 =Arizona 16.5 31=Wyoming 19.5	California 12.8 18=Oregon 17.0 33=Montana Hawaii 14.1 20 Nebraska 17.3 33=North Dakota New York 14.4 21=Georgia 17.4 33=Pennsylvania Texas 14.5 21=Wisconsin 17.4 38 Missouri Maryland 14.6 23 New Hampshire 17.5 39 Ohio Massachusetts 14.7 24 Florida 17.6 40=Alabama New Jersey 15.1 UNITED STATES 18.1 40=Oklahoma Washington 15.3 25 Kansas 18.1 42 Michigan Connecticut 15.4 26 Iowa 18.5 43 South Carolina Colorado 15.7 27 South Dakota 18.6 44 Indiana Idaho 15.9 28=New Mexico 19.1 45 Mississippi =Minnesota 16.3 28=North Carolina 19.1 46 Louisiana =Rhode Island 16.3 30 Maine 19.3 47 Tennessee Vermont 16.4 31=Virginia 19.5 48 Arkansas =Arizona 16.5 31=Wyoming



Adult Smoking: All 3140 Counties in US vs 238 Counties in Central Appalachia



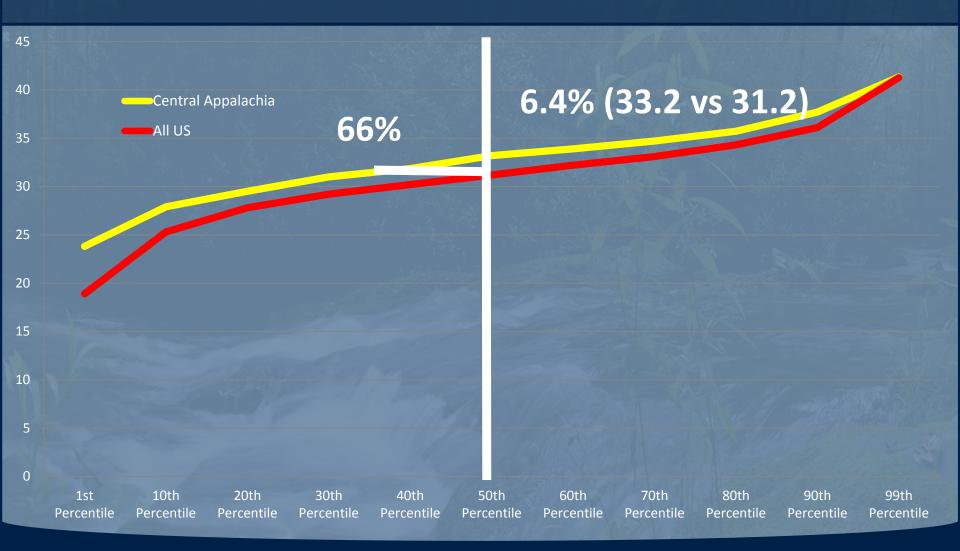


Prevalence of Obesity: Adults

1	Colorado	21.3	18 Maine	28.2	33=	-Michigan	30.7
2	Hawaii	22.1	19 New Mexico	28.4	35	lowa	30.9
3	Massachusetts	23.3	20 Virginia	28.5	36=	=Tennessee	31.2
4	California	24.7	21=Arizona	28.9	36=	-Wisconsin	31.2
5	Vermont	24.8	21=Idaho	28.9	38	Kansas	31.3
6	Utah	25.7	23 Illinois	29.3	39	Kentucky	31.6
7	Florida	26.2	24 Wyoming	29.5	40	Texas	31.9
8	Connecticut	26.3	UNITED STATES	S 29.6	41	South Carolina	32.1
9	Montana	26.4	25 Maryland	29.6	42	North Dakota	32.2
10	New Jersey	26.9	26=Alaska	29.7	43	Ohio	32.6
11=	New York	27.0	26=North Carolina	29.7	44	Indiana	32.7
11=	Rhode Island	27.0	28 South Dakota	29.8	45	Oklahoma	33.0
13	Washington	27.3	29=Missouri	30.2	46	Alabama	33.5
14	New Hampshire	27.4	29=Nebraska	30.2	47	Louisiana	34.9
15	Minnesota	27.6	29=Pennsylvania	30.2	48	Mississippi	35.5
16	Nevada	27.7	32 Georgia	30.5	49	West Virginia	35.7
17	Oregon	27.9	33=Delaware	30.7	50	Arkansas	35.9

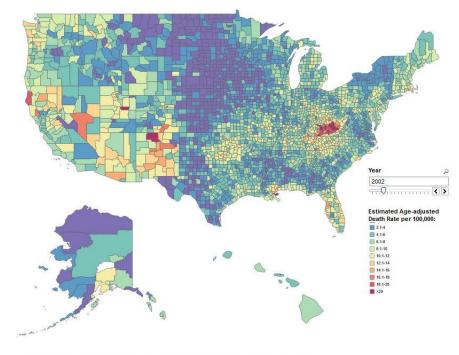


Adult Obesity: All 3141 Counties in US vs 238 Counties in Central Appalachia

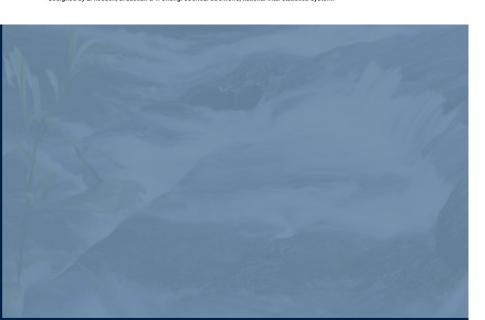




Estimated Age-adjusted Death Rates \S for Drug Poisoning by County, United States: 2002



Designed by L. Rossen, B. Bastian & Y. Chong. SOURCE: CDC/NCHS, National Vital Statistics System.

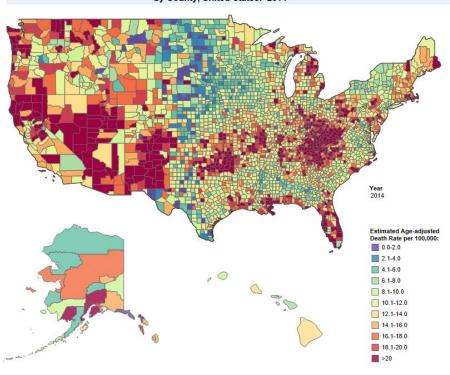




Drug Poisoning Mortality: United States, 2002-2014

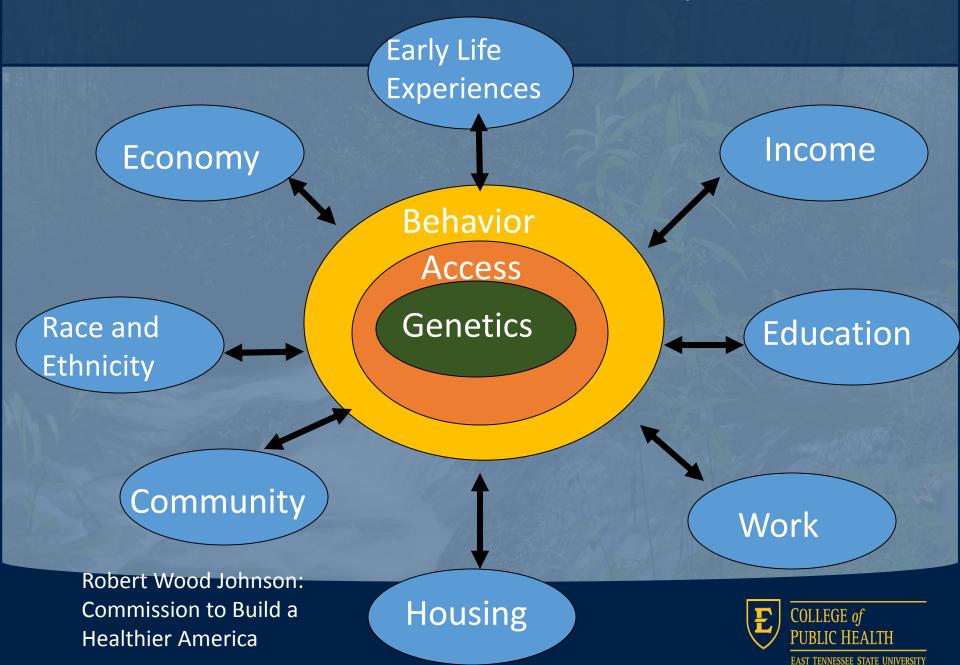
U.S. Trends: 2002-2014 State Trends: 2002-2014 County Estimates: 2002-2014

Estimated Age-adjusted Death Rates§ for Drug Poisoning by County, United States: 2014



Designed by L. Rossen, B. Bastian & Y. Chong. SOURCE: CDC/NCHS, National Vital Statistics System.

The Social Determinants of Health



Children Living in Poverty

1 Wyomina	10.6	10 Montono	16.0	34 California	22.9
1 Wyoming		18=Montana	16.8		
2 New Hampshire	11.1	18=Washington	16.8	35 Indiana	23.3
3 Virginia	11.3	20 Hawaii	16.9	36 Texas	23.8
4 Vermont	11.5	21 Colorado	17.2	37 Nevada	23.9
5 Minnesota	11.9	22 Massachusetts	17.6	38 Florida	24.2
6=North Dakota	12.0	23=Rhode Island	17.7	39 North Carolina	24.4
6=Utah	12.0	23=South Dakota	17.7	40 Oklahoma	25.0
8 Connecticut	12.3	25 Nebraska	18.3	41 Alabama	25.2
9 Maryland	13.4	26 Oregon	18.8	42 Georgia	25.6
10 Missouri	14.2	27 New York	19.1	43=New Mexico	25.7
11 Iowa	14.3	28 Pennsylvania	19.4	43=West Virginia	25.7
12 Idaho	14.6	29 Illinois	20.5	45 Tennessee	26.2
13 Alaska	15.6	30=Maine	20.8	46 Arizona	28.5
14 New Jersey	16.1	30=Michigan	20.8	47 Mississippi	29.4
15 Wisconsin	16.2	UNITED STATE	S 21.1	48 Arkansas	29.7
16=Delaware	16.6	32 Ohio	22.1	49 Kentucky	30.3
16=Kansas	16.6	33 South Carolina	22.5	50 Louisiana	33.7



Children Living in Poverty: All 3139 Counties in US vs 238 Counties in Central Appalachia





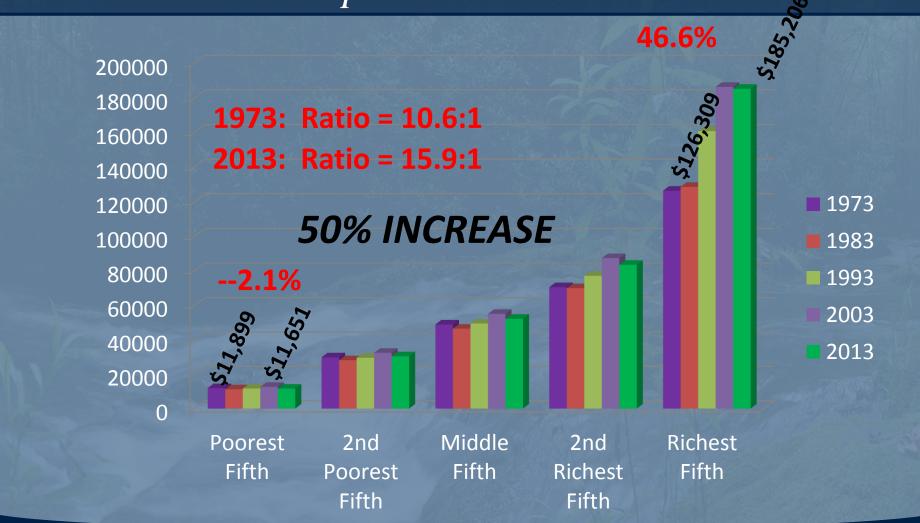
Relative Risk of Dying Before the Age of 65 By Income: United States



Reaching for a Healthier Life: Facts on Socioeconomic Status and Health in the United States

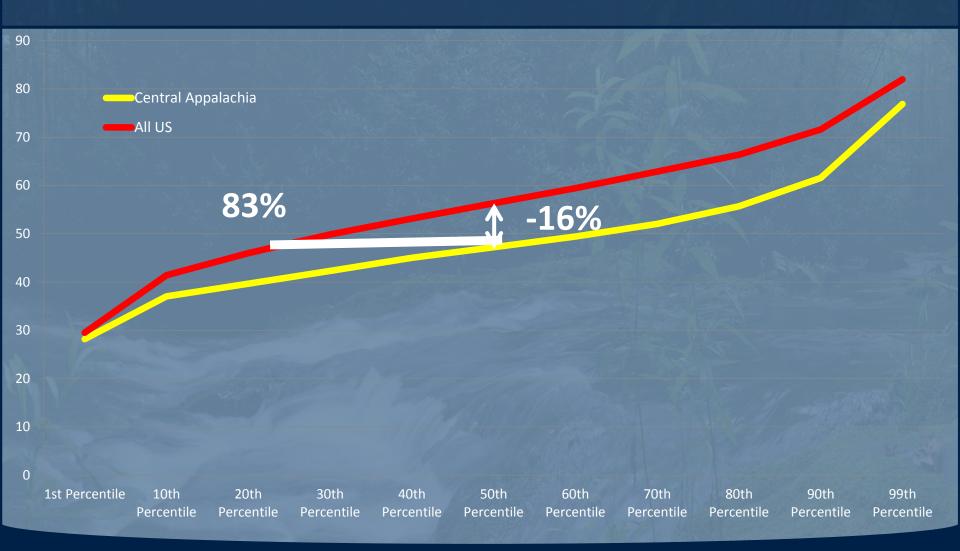


Selected Measures of Household Income Disparities: 1973 - 2013



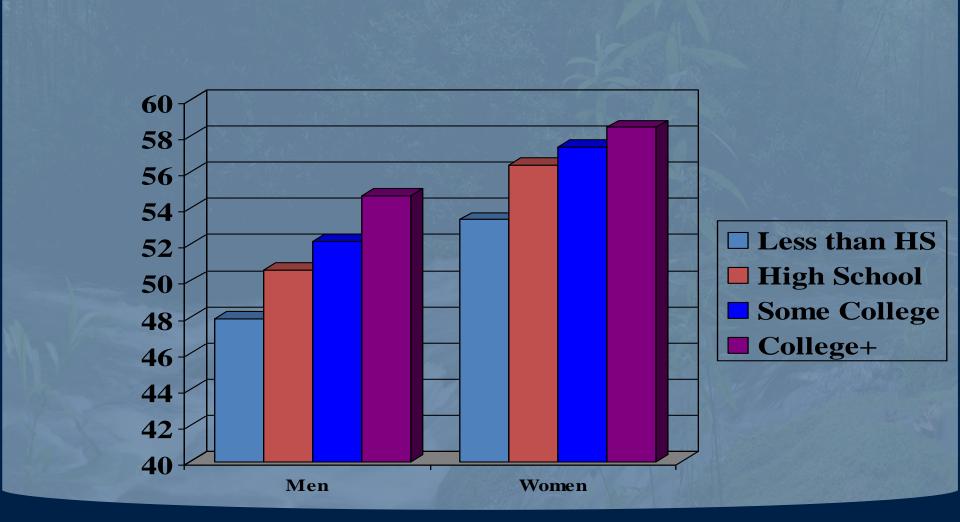


Adults with Some College: All 3140 Counties in US vs 238 Counties in Central Appalachia





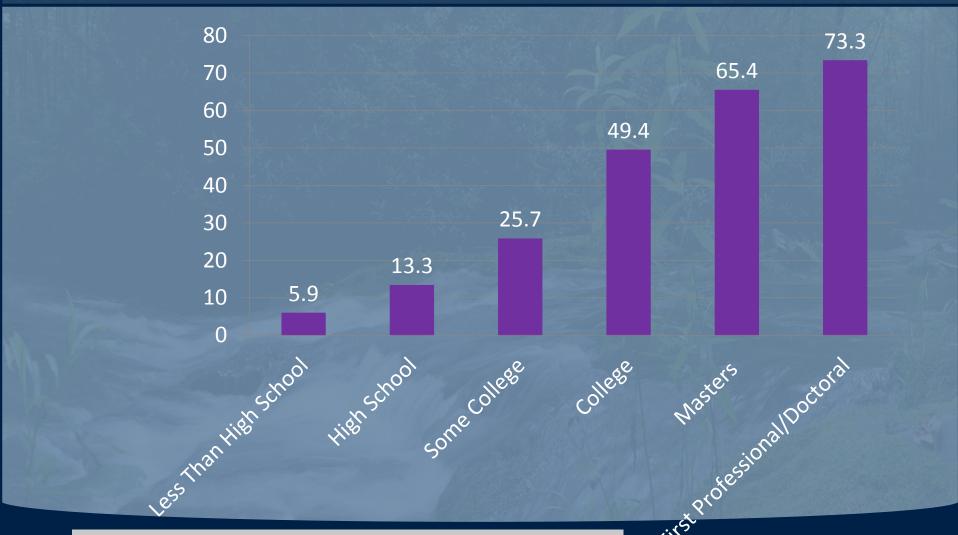
Life Expectancy at Age 25 by Educational Achievement



Education Matters for Health: Robert Wood Johnson Foundation. September, 2009



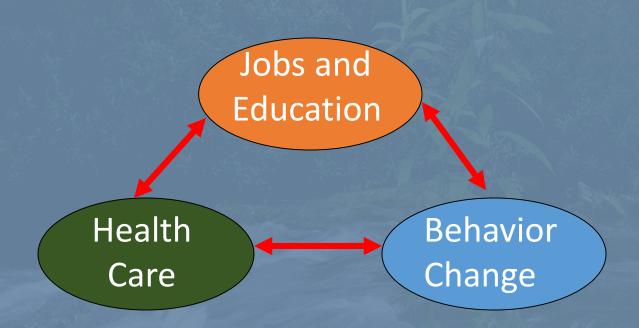
Percent of High School Sophomores Who Complete College in Ten Years Based on Parents' Education Level



Education Matters for Health: Robert Wood Johnson Foundation. September, 2009



What Can We Do To Improve Health in the United States?





What Can We Do To Improve Health in the United States?

We need to work together to assure access to health care, especially preventive services;

We need to work together to encourage healthier behaviors;

We need to work together to enhance economic opportunity and improve educational achievement;

