



Yakima Health District

Analysis of Data Measures in the *2010 County Health Rankings-* How Yakima Compares to other WA Counties

***County Health Rankings* published by:
Robert Wood Johnson Foundation
In conjunction with
University of Wisconsin
Population Health Institute**

For more information,
www.countyhealthrankings.org

www.yakimapublichealth.org

Reading Box and Whisker Plots



YHD has plotted the data for each measure in the 2010 County Health Rankings using box and whisker plots. The following graphic summarizes how to interpret these graphs.

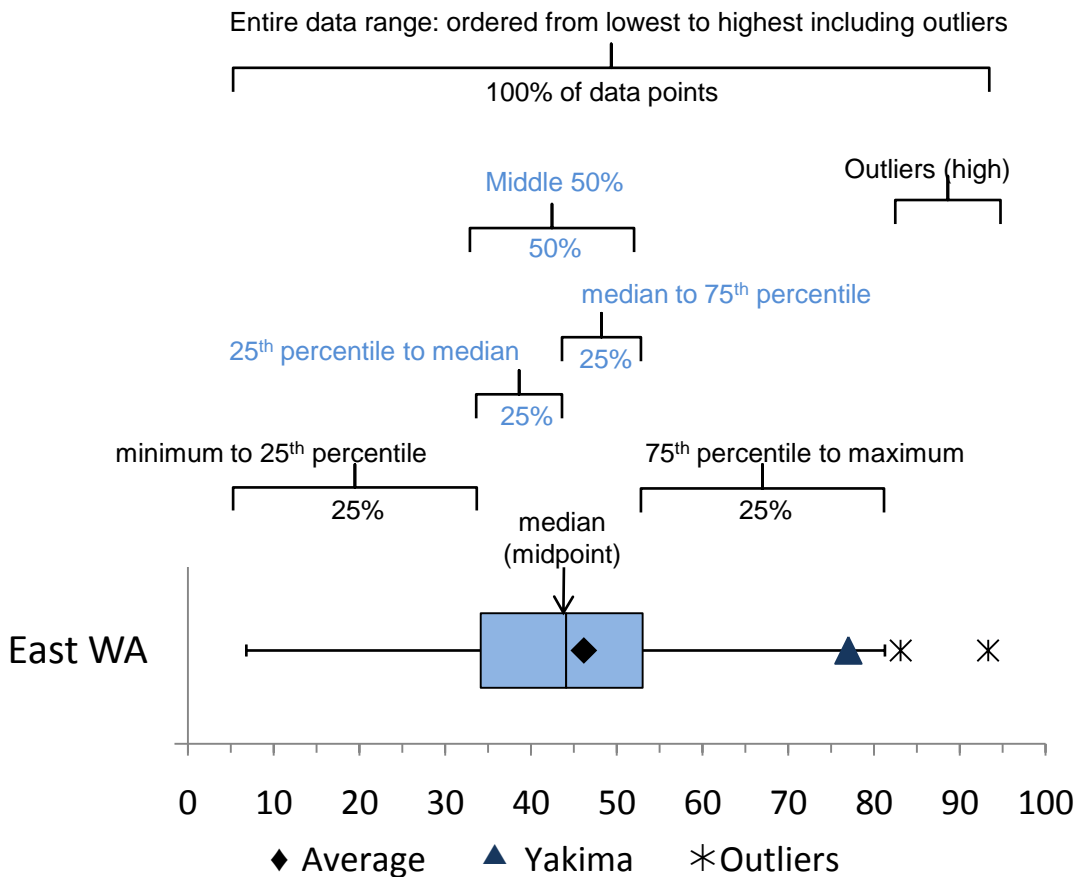
Half the data points in each measure or data set (that is, half the counties) fall within the colored box. The line in the middle of the box represents the median or midpoint (the value of the middle data point when all data points in a data set are ordered from least to greatest). The left hand side of the box shows the range of all points from the 25th to the 50th percentile (median); 25% of the data points fall within this side of the box. The box on the right shows the range of values for the median through the 75th percentile, 25% of the data points fall within this side of the box.

The lines extending to the left and right of the boxes (the “whiskers”) represent the minimum value up to the 25th percentile (left) and the 75th percentile up to the maximum value (right). Outliers are marked with “*”.

For Washington State: There are 39 counties. The median is the 20th county (i.e. rank # 20) when ordered from least to greatest. Each half of the shaded box shows the range of values for roughly 10 counties; similarly each whisker displays the range for approximately 10 counties (less outliers).

For Eastern Washington: There are 20 counties. The median is the average of the 10th and 11th county when ordered from least to greatest. Each half of the shaded box represents the range for 5 counties. Each Whisker represents the range for 5 counties, less outliers.

The average is indicated by a black diamond. Yakima County’s value is indicated by a triangle.





	WA (39)	East WA (20)
Yakima Rank	26	13
Low(non-outlier)	4,503	4,503
25 th Percentile	5,704	5,926
Midpoint	6,641	6,641
Average	6,976	7,169
Yakima	7,615	7,615
75 th Percentile	7,882	7,789
Max (non-outlier)	11,148	10,585
Std Deviation	1,674	1,917

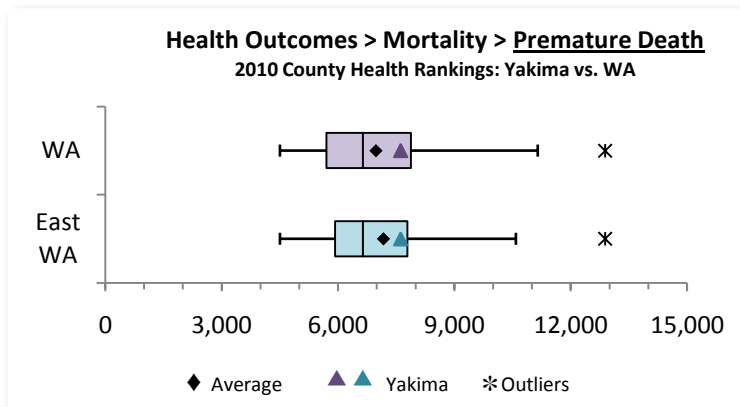


Chart source: Yakima Health District

About the Measure:

Premature Death is represented by the years of potential life lost before age 75 (YPLL-75). Every death occurring before the age of 75 contributes to the total number of years of potential life lost. For example, a person dying at age 25 contributes 50 years of life lost, whereas a person who dies at age 65 contributes 10 years of life lost to a county's YPLL. YPLL is presented as a rate per 100,000 population and is age-adjusted to the 2000 U.S. population.

Data Source:

Data on deaths, including age at death, are based on death certificates and are routinely reported to the National Vital Statistics System (NVSS) at the Centers for Disease Control and Prevention (CDC). For the 2010 County Health Rankings, NVSS calculated age-adjusted YPLL rates for the years 2004-2006. The three-year averages were used to create more robust estimates of mortality, particularly for counties with smaller populations.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/1>



Health Outcomes > Morbidity>
Weight in Health Outcomes: 10%

Self-Reported Health Status

	WA (39)	East WA (20)
Yakima Rank	36	17
Low(non-outlier)	9.3%	10.6%
25 th Percentile	13.2%	13.5%
Midpoint	14.6%	14.9%
Average	14.8%	15.7%
75 th Percentile	17.2%	17.9%
Yakima	19.6%	19.6%
Max (non-outlier)	20.0%	20.0%
Std Deviation	2.79%	2.85%

Health Outcomes > Morbidity > Poor or Fair Health
2010 County Health Rankings: Yakima vs. WA

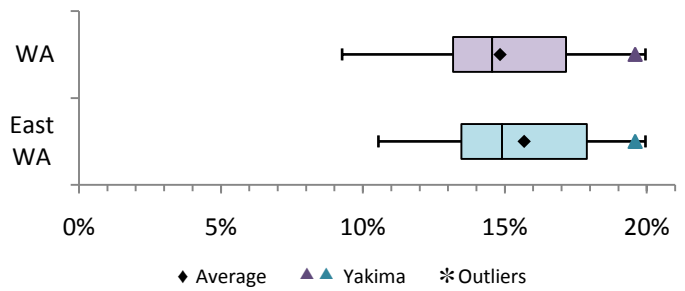


Chart source: Yakima Health District

About the Measure:

Self-reported health status is a general measure of health-related quality of life in a population. Measure is based on survey responses to the question: "In general, would you say that your health is excellent, very good, good, fair, or poor?" The value reported in the County Health Rankings is the percent of adult respondents who rate their health "fair" or "poor." Measure is age-adjusted to the 2000 U.S. population.

Data Source:

The data are obtained from the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. Seven years of data, 2002–2008, are used to generate more stable estimates of self-reported health status.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/2>

Health Outcomes > Morbidity>
Weight in Health Outcomes: 10%

Poor Physical Health Days

	WA (39)	East WA (20)
Yakima Rank	28	12
Low(non-outlier)	2.81	3.08
25 th Percentile	3.36	3.37
Average	3.78	3.93
Midpoint	3.81	3.88
Yakima	4.01	4.01
75 th Percentile	4.04	4.31
Max (non-outlier)	5.05	5.24
Std Deviation	0.54	0.62

Health Outcomes > Morbidity > Poor Physical Health Days
2010 County Health Rankings: Yakima vs. WA

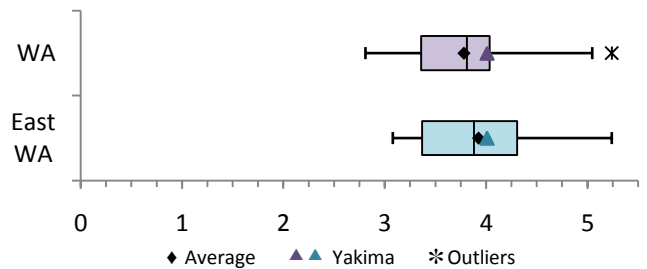


Chart source: Yakima Health District

About the Measure:

The poor physical health days measure represents one of four measures of morbidity used in the County Health Rankings, and is based on responses to the question: "Thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?" We present the average number of days a county's adult respondents report that their physical health was not good. The measure is age-adjusted to the 2000 U.S. population.

Data Source:

This measure was obtained from the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. Seven years of data, 2002–2008, are used to generate more stable estimates of poor physical health days.

Measures description source: <http://www.countyhealthrankings.org/washington/yakima/36>



Health Outcomes > Morbidity>
Weight in Health Outcomes: 10%

Poor Mental Health Days

	WA (39)	East WA (20)
Yakima Rank	21	16
Low(non-outlier)	2.37	2.11
25 th Percentile	3.02	2.71
Average	3.25	2.99
Midpoint	3.33	3.09
Yakima	3.34	3.34
75 th Percentile	3.46	3.23
Max(non-outlier)	4.11	3.72
Std Deviation	0.46	0.41

Health Outcomes > Morbidity > Poor Mental Health Days
2010 County Health Rankings: Yakima vs. WA

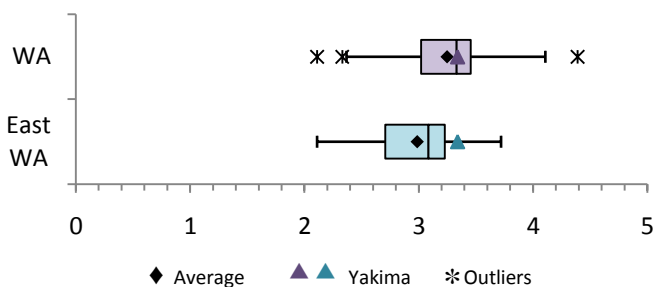


Chart source: Yakima Health District

About the Measure:

The poor mental health days measure is a companion measure to the poor physical health days. Estimates based on responses to the question: “Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?” The average number of days a county’s adult respondents report that their mental health was not good are presented. Measure is age-adjusted to the 2000 U.S. population.

Data Source:

This measure was obtained from the Centers for Disease Control and Prevention’s Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. Seven years of data, 2002–2008, are used to generate more stable estimates of poor mental health days.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/42>

Health Outcomes > Morbidity>
Weight in Health Outcomes: 20%

Low Birth Weight

	WA (39)	East WA (20)
Yakima Rank	33	15
Low(non-outlier)	4.2%	5.2%
25 th Percentile	5.5%	6.0%
Average	5.8%	6.1%
Midpoint	6.0%	6.3%
75 th Percentile	6.4%	6.4%
Yakima	6.4%	6.4%
Max(non-outlier)	7.1%	7.1%
Std Deviation	0.70%	0.65%

Health Outcomes > Morbidity > Low Birthweight
2010 County Health Rankings: Yakima vs. WA

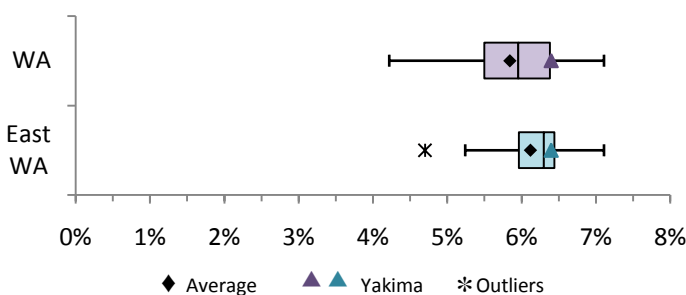


Chart source: Yakima Health District

About the Measure:

Low birthweight is the percent of live births for which the infant weighed less than 2,500 grams (approximately 5 lbs., 8 oz.).

Data Source:

Data on births, including weight at birth, are based on birth certificates and are routinely reported to the National Vital Statistics System (NVSS) at the National Center for Health Statistics, part at the Centers for Disease Control and Prevention (CDC). For the 2009 County Health Rankings, we present the percent of live births with low birthweight for the years 2000–2006. We use seven-year averages to create more robust estimates, particularly for counties with smaller populations.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/37>



Health Factors > Health Behaviors > Tobacco >
Weight in Health Factors: 10%

Adult Smoking

	WA (39)	East WA (20)
Yakima Rank	15	9
Low(non-outlier)	10.7%	10.7%
25 th Percentile	16.4%	15.2%
Yakima	17.8%	17.8%
Midpoint	19.1%	18.2%
Average	19.3%	19.0%
75 th Percentile	21.4%	21.9%
Max(non-outlier)	28.7%	28.7%
Std Deviation	4.41%	5.15%

Health Factors > Health Behaviors > **Adult Smoking**
2010 County Health Rankings: Yakima vs. WA

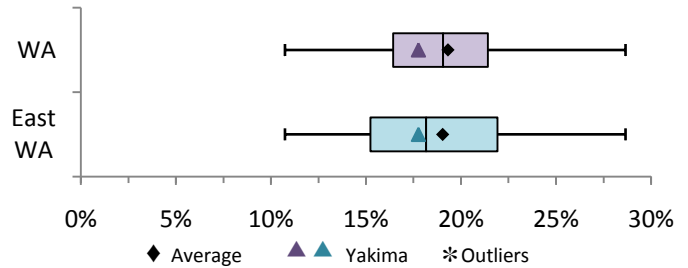


Chart source: Yakima Health District

About the Measure:

Adult smoking prevalence is the estimated percent of the adult population that currently smokes every day or “most days” and has smoked at least 100 cigarettes in their lifetime.

Data Source:

The data are obtained from the Centers for Disease Control and Prevention’s Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. The estimates are based on seven years of data from 2002–2008.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/9>

Health Factors > Health Behaviors > Diet & Exercise >
Weight in Health Factors: 10%

Adult Obesity

	WA (39)	East WA (20)
Yakima Rank	26	15
Low(non-outlier)	18.6%	21.6%
25 th Percentile	25.3%	25.6%
Average	27.3%	27.1%
Midpoint	27.4%	26.9%
Yakima	29.2%	29.2%
75 th Percentile	29.8%	29.3%
Max(non-outlier)	34.7%	33.9%
Std Deviation	3.98%	3.10%

Health Factors > Health Behaviors > **Adult Obesity**
2010 County Health Rankings: Yakima vs. WA

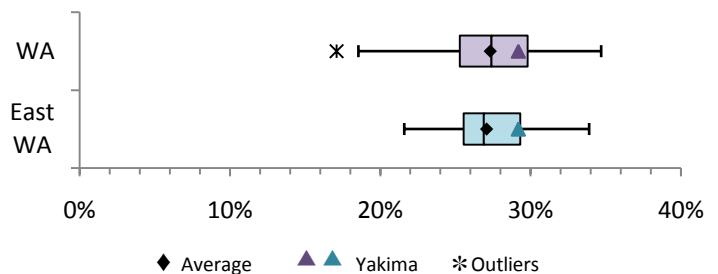


Chart source: Yakima Health District

About the Measure:

The adult obesity measure represents the percent of the adult population (age 20 and older) that has a body mass index (BMI) greater than or equal to 30 kg/m².

Data Source:

Estimates of obesity prevalence by county were calculated by the CDC’s National Center for Chronic Disease Prevention and Health Promotion, Division of Diabetes Translation, using 2006–2008 Behavioral Risk Factor Surveillance System (BRFSS) data. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/11>



Health Factors > Health Behaviors > Alcohol Use >

Weight in Health Factors: 2.5%

Binge Drinking

	WA (39)	East WA (20)
Yakima Rank	6	6
Low(non-outlier)	9.4%	9.4%
Yakima	11.8%	11.8%
25 th Percentile	12.8%	11.7%
Midpoint	13.8%	13.3%
Average	14.1%	13.8%
75 th Percentile	15.6%	15.4%
Max(non-outlier)	19.8%	20.0%
Std Deviation	2.22%	2.81%

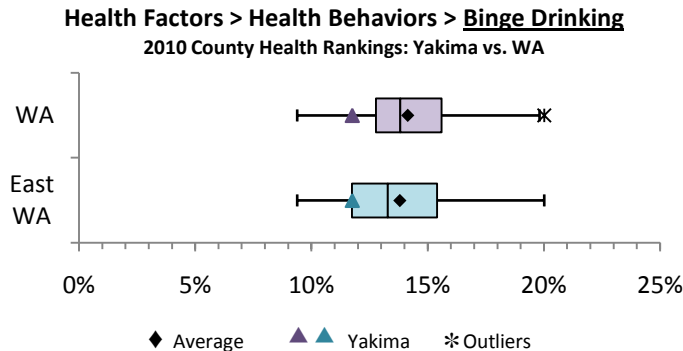


Chart source: Yakima Health District

About the Measure:

The binge drinking measure reflects the percent of the adult population that reports consuming more than 4 (women) or 5 (men) alcoholic beverages on a single occasion in the past 30 days. The definition of binge drinking for women changed from 5 drinks on an occasion to 4 drinks in 2006.

Data Source:

This measure was obtained from the Centers for Disease Control and Prevention’s Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. The estimates are based on seven years of data from 2002–2008.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/12>

Health Factors > Health Behaviors > Alcohol Use >

Weight in Health Factors: 2.5%

Motor Vehicle Death Rate

	WA (39)	East WA (20)
Yakima Rank	23	11
Low(non-outlier)	6.40	6.40
25 th Percentile	11.80	12.30
Midpoint	16.80	18.25
Average	18.45	20.37
Yakima	18.80	18.80
75 th Percentile	22.80	26.73
Max(non-outlier)	39.30	46.50
Std Deviation	8.71	10.12

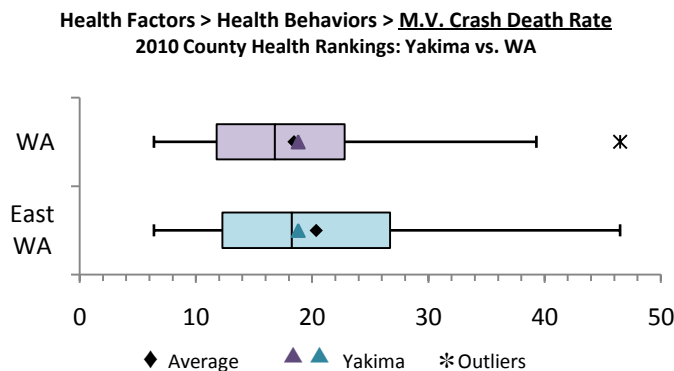


Chart source: Yakima Health District

About the Measure:

Motor vehicle crash deaths are measured as the crude mortality rate per 100,000 population due to on- or off-road accidents involving a motor vehicle. Deaths due to boating accidents and airline crashes are not included in this measure.

Data Source:

These data were calculated for the County Health Rankings by National Center for Health Statistics (NCHS), part of the Centers for Disease Control and Prevention (CDC), based on data reported to the National Vital Statistics System (NVSS). NCHS used data from 2000–2006 to create more robust estimates of cause-specific mortality, particularly for counties with smaller populations.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/39>



Health Factors > Health Behaviors > High Risk Sexual Behavior >

Weight in Health Factors: 2.5%

Teen Births

	WA (39)	East WA (20)
Yakima Rank	37	18
Low(non-outlier)	6.80	6.80
25 th Percentile	27.90	34.15
Midpoint	38.30	44.10
Average	40.78	46.16
75 th Percentile	49.70	53.00
Yakima	77.00	77.00
Max(non-outlier)	82.40	81.28
Std Deviation	18.52	22.19

Health Factors > Health Behaviors > **Teen Birth Rate**
2010 County Health Rankings: Yakima vs. WA

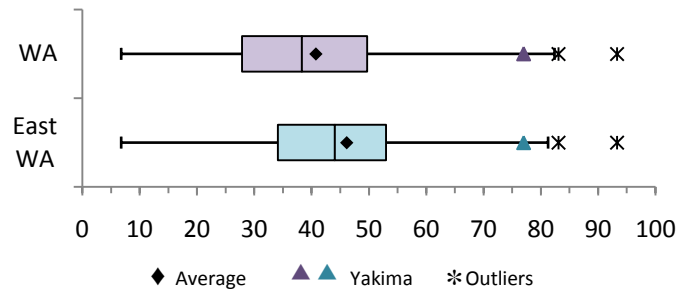


Chart source: Yakima Health District

About the Measure:

Teen births are reported as the number of births per 1,000 female population, ages 15-19.

Data Source:

Data for 2000–2006 were obtained from the National Vital Statistics System (NVSS) at the National Center for Health Statistics, part of the Centers for Disease Control and Prevention (CDC).

Measures description source: <http://www.countyhealthrankings.org/washington/yakima/14>

Health Factors > Health Behaviors > High Risk Sexual Behavior >

Weight in Health Factors: 2.5%

Chlamydia Rate

	WA (39)	East WA (20)
Yakima Rank	39	20
Low(non-outlier)	74.50	77.10
25 th Percentile	123.45	117.23
Average	221.53	225.17
Midpoint	234.10	220.15
75 th Percentile	269.05	271.70
Max(non-outlier)	487.45	503.41
Yakima	510.90	510.90
Std Deviation	105.02	117.55

Health Factors > Health Behaviors > **Chlamydia Rate**
2010 County Health Rankings: Yakima vs. WA

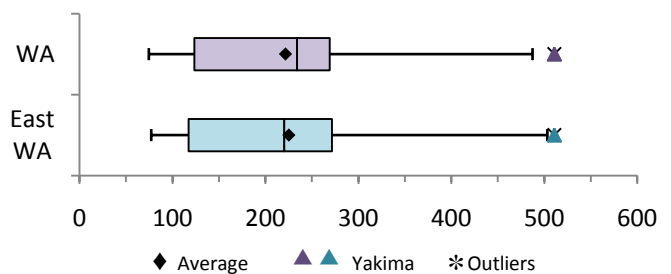


Chart source: Yakima Health District

About the Measure:

Chlamydia incidence (the number of new cases reported) is reported as a rate per 100,000 population

Data Source:

Data for 2006 were obtained from the CDC's National Center for Hepatitis, HIV, STD, and TB Prevention.

Measures description source: <http://www.countyhealthrankings.org/washington/yakima/45>



Health Factors > Clinical Care > Access to Care >
Weight in Health Factors: 5%

Uninsured Adults

	WA (39)	East WA (20)
Yakima Rank	21	9
Low(non-outlier)	10.2%	10.2%
25 th Percentile	13.9%	15.7%
Midpoint	16.7%	17.2%
Yakima	16.9%	16.9%
Average	17.0%	17.7%
75 th Percentile	18.9%	19.8%
Max (non-outlier)	26.4%	25.9%
Std Deviation	4.12%	4.05%

Health Factors > Clinical Care > **Uninsured Adults**
2010 County Health Rankings: Yakima vs. WA

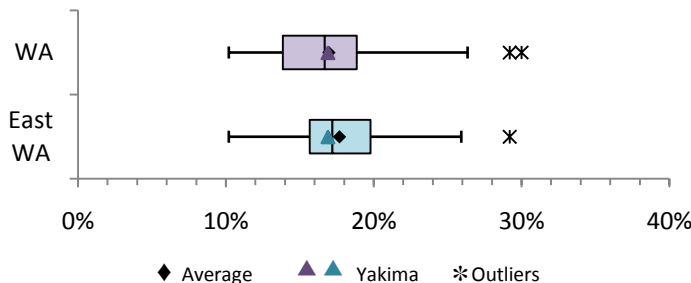


Chart source: Yakima Health District

About the Measure:

The uninsured adults measure represents the estimated percent of the adult population under age 65 that has no health insurance coverage.

Data Source:

The Small Area Health Insurance Estimates from the U.S. Census Bureau provide annual estimates of the population without health insurance coverage for all U.S. states and their counties. The estimates we use are for the year 2005, the most recent year for which reliable county-level estimates are available. (More current estimates are likely to be higher so caution is advised against reporting this specific measure for a particular county.)

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/3>

Health Factors > Clinical Care > Access to Care >
Weight in Health Factors: 5%

Primary Care Providers

	WA (39)	East WA (20)
Yakima Rank	13	6
Low(non-outlier)	36.81	44.98
25 th Percentile	69.52	79.78
Midpoint	101.95	100.50
Average	105.38	104.26
Yakima	120.98	120.98
75 th Percentile	142.90	124.42
Max(non-outlier)	197.24	188.84
Std Deviation	44.12	39.38

Health Factors > Clinical Care > **Primary Care Providers***
2010 County Health Rankings: Yakima vs. WA

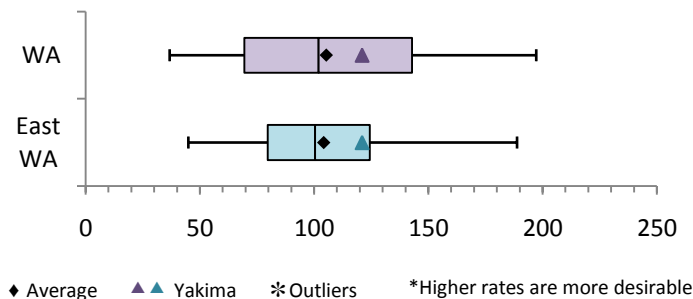


Chart source: Yakima Health District

About the Measure:

Primary care providers include practicing physicians specializing in general practice medicine, family medicine, internal medicine, pediatrics, and obstetrics/gynecology. The measure is presented as a rate per 100,000 population.

Data Source:

The data on primary care providers were obtained from the Health Resources and Services Administration's Area Resource File (ARF) for 2007. The ARF data on practicing physicians come from the AMA Master File (2006), and the population estimates are from the U.S. Census Bureau's 2006 population estimates.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/4>

For more information, go to: www.countyhealthrankings.org



Health Factors > Clinical Care > Quality of Care >

Weight in Health Factors: 5%

Preventable Hospital Stays

	WA (39)	East WA (20)
Yakima Rank	29	13
Low (non-outlier)	24.16	34.88
25 th Percentile	45.79	50.60
Midpoint	52.94	56.20
Average	54.98	58.84
Yakima	61.39	61.39
75 th Percentile	61.84	65.84
Max (non-outlier)	85.92	88.27
Std Deviation	14.36	14.01

Health Factors > Clinical Care > Preventable Hospital Stays
2010 County Health Rankings: Yakima vs. WA

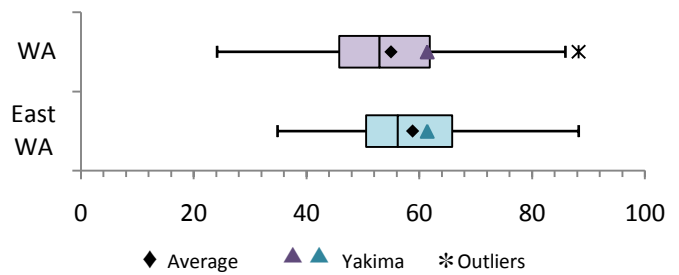


Chart source: Yakima Health District

About the Measure:

Preventable hospital stays are measured as the hospital discharge rate for ambulatory care-sensitive conditions per 1,000 Medicare enrollees.

Data Source:

Estimates of preventable hospital stays were calculated for the County Health Rankings by the authors of the Dartmouth Atlas of Health Care using Medicare claims data for the years 2005–2006.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/5>

Health Factors > Clinical Care > Quality of Care >

Weight in Health Factors: 2.5%

Diabetic Screening

	WA (39)	East WA (20)
Yakima Rank	36	18
Low(non-outlier)	76.8%	75.2%
Yakima	79.7%	79.7%
25 th Percentile	83.0%	82.4%
Average	84.5%	84.4%
Midpoint	85.5%	86.3%
75 th Percentile	87.2%	87.2%
Max(non-outlier)	90.9%	90.9%
Std Deviation	4.21%	4.59%

Health Factors > Clinical Care > Diabetic Screening*
2010 County Health Rankings: Yakima vs. WA

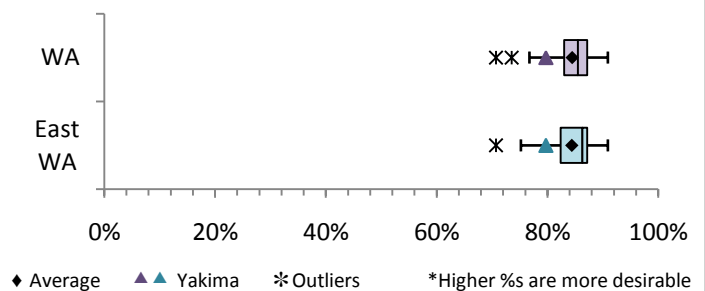


Chart source: Yakima Health District

About the Measure:

Diabetic screening is calculated as the percent of diabetic Medicare patients whose blood sugar control was screened in the past year using a test of their glycated hemoglobin (HbA1c) levels.

Data Source:

Estimates of diabetic screening were calculated for the County Health Rankings by the authors of the Dartmouth Atlas of Health Care using Medicare claims data for the years 2003–2006.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/7>



	WA (39)	East WA (20)
Yakima Rank	13	6
Low(non-outlier)	6.5%	10.2%
25 th Percentile	17.8%	16.6%
Average	25.8%	24.2%
Midpoint	26.8%	23.8%
Yakima	31.6%	31.6%
75 th Percentile	32.2%	32.1%
Max(non-outlier)	50.7%	36.0%
Std Deviation	9.87%	8.47%

Health Factors > Clinical Care > Hospice Use*
2010 County Health Rankings: Yakima vs. WA

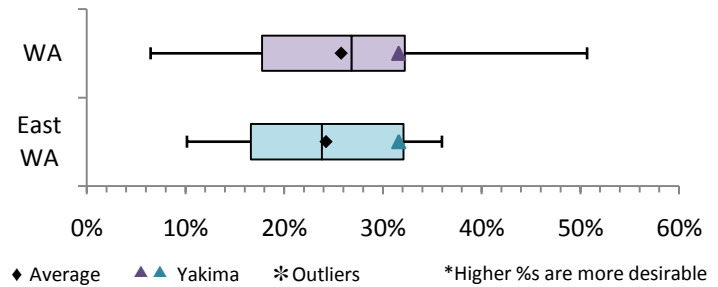


Chart source: Yakima Health District

About the Measure:

The hospice use measure represents the percent of chronically ill Medicare patients who enrolled in hospice care in the last six months of life.

Data Source:

Estimates of hospice use were calculated for the County Health Rankings by the authors of the Dartmouth Atlas of Health Care using Medicare claims data for the years 2001–2005.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/38>



Health Factors > Socioeconomic > Education > Weight in Health Factors: 5%

High School Graduation

	WA (39)	East WA (20)
Yakima Rank	30	18
Low(non-outlier)	59.09	59.09
Yakima	69.22	69.22
25 th Percentile	69.34	72.93
Average	76.07	78.96
Midpoint	76.45	78.87
75 th Percentile	80.45	83.00
Max(non-outlier)	95.12	95.12
Std Deviation	8.44	9.26

Health Factors > Socioeconomic > **H.S. Graduation***
2010 County Health Rankings: Yakima vs. WA

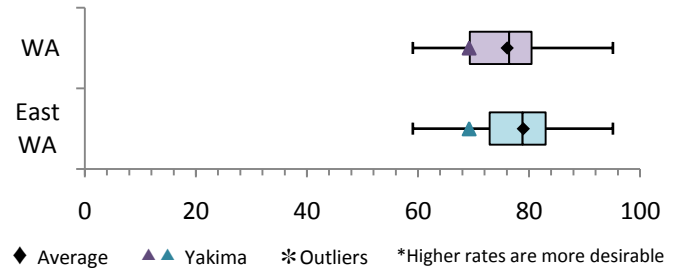


Chart source: Yakima Health District

About the Measure:

High school graduation, commonly referred to as the averaged freshman graduation rate, is reported as the percent of a county's ninth-grade cohort in public schools that graduates from high school in 4 years.

Data Source:

Estimates of high school graduation were calculated using two data sets from the National Center for Education Statistics (NCES): (1) the Common Core of Data, Local Education Agency Universe Survey Dropout and Completion, Restricted Use Data File and (2) the Public Elementary/Secondary School Universe Survey Data File, both for 2005–06.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/21>

Health Factors > Socioeconomic > Education > Weight in Health Factors: 5%

College Degrees

	WA (39)	East WA (20)
Yakima Rank	30	15
Low(non-outlier)	12.4%	12.4%
Yakima	15.7%	15.7%
25 th Percentile	15.7%	15.3%
Midpoint	18.8%	18.1%
Average	22.3%	20.1%
75 th Percentile	26.9%	22.3%
Max(non-outlier)	43.7%	32.9%
Std Deviation	8.95%	8.21%

Health Factors > Social & Economic > **College Degrees***
2010 County Health Rankings: Yakima vs. WA

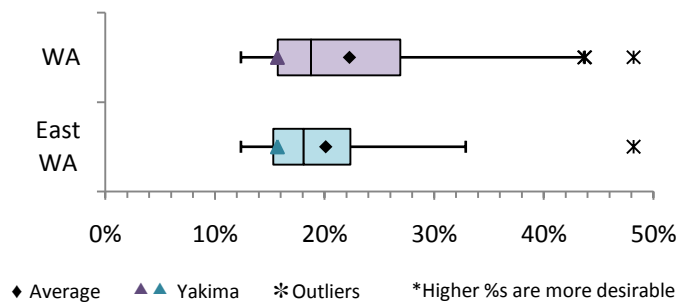


Chart source: Yakima Health District

About the Measure:

College degrees represent the percent of the population age 25 and older with a four-year college degree or higher.

Data Source:

Estimates of the population age 25+ with a college degree or higher were calculated using data from the 2000 U.S. Census and the 2005–2007 American Community Survey (ACS). Data for sparsely population states come exclusively from the 2000 Census; data for remaining states are based on ACS data.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/22>

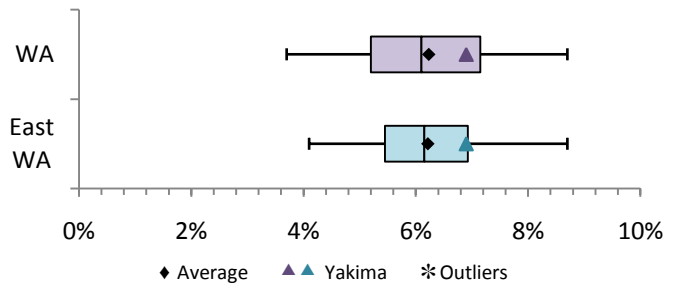


Health Factors > Socioeconomic > Employment >
Weight in Health Factors: 10%

Unemployment

	WA (39)	East WA (20)
Yakima Rank	25	15
Low(non-outlier)	3.7%	4.1%
25 th Percentile	5.2%	5.5%
Midpoint	6.1%	6.2%
Average	6.2%	6.2%
Yakima	6.9%	6.9%
75 th Percentile	7.2%	6.9%
Max(non-outlier)	8.7%	8.7%
Std Deviation	1.32%	1.26%

Health Factors > Social & Economic > Unemployment
2010 County Health Rankings: Yakima vs. WA



About the Measure:

Unemployment is measured as the percent of the civilian labor force, age 16 and older, that is unemployed but seeking work.

Data Source:

Data on unemployment is obtained from the Bureau of Labor Statistics (BLS), Local Area Unemployment Statistics (LAUS). The County Health Rankings uses the 2008 annual estimate for unemployment.

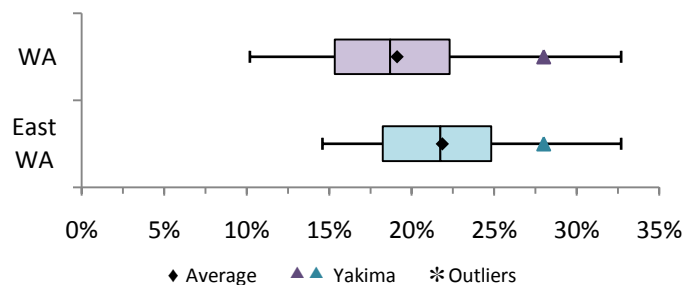
Measures description source : <http://www.countyhealthrankings.org/washington/yakima/23>

Health Factors > Socioeconomic > Income >
Weight in Health Factors: 7.5%

Children in Poverty

	WA (39)	East WA (20)
Yakima Rank	37	18
Low(non-outlier)	10.2%	14.6%
25 th Percentile	15.4%	18.3%
Midpoint	18.7%	21.8%
Average	19.1%	21.9%
75 th Percentile	22.3%	24.8%
Yakima	28.0%	28.0%
Max(non-outlier)	32.7%	32.7%
Std Deviation	5.20%	4.93%

Health Factors > Social & Economic > Children in Poverty
2010 County Health Rankings: Yakima vs. WA



About the Measure:

Children in poverty is the percent of children under age 18 living below the Federal Poverty Line (FPL).

Data Source:

Children in poverty estimates are provided by the Small Area Income and Poverty Estimates (SAIPE) program through the U.S. Census. The data reported in the 2010 County Health Rankings are from 2007.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/24>



Health Factors > Socioeconomic > Income >
Weight in Health Factors: 2.5%

Income Inequality

	WA (39)	East WA (20)
Yakima Rank	34	17
Low(non-outlier)	39.50	40.60
25 th Percentile	40.85	41.63
Midpoint	41.90	42.90
Average	42.70	43.36
75 th Percentile	43.70	43.98
Yakima	44.60	44.60
Max(non-outlier)	47.98	47.50
Std Deviation	2.67	2.70

Health Factors > Social & Economic > **Income Inequality**
2010 County Health Rankings: Yakima vs. WA

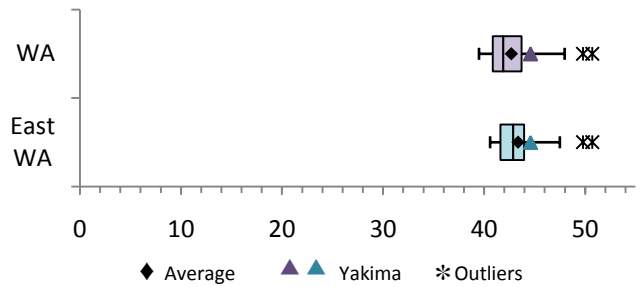


Chart source: Yakima Health District

About the Measure:

The Gini coefficient of income inequality represents the inequitable distribution of income in a community by household, and can range from 0 to 1. In the County Health Rankings, we multiplied the Gini coefficient by 100, so that the values can range between 0 and 100. A value of 100 indicates that all income in a county is concentrated in one household, while a coefficient of 0 indicates a completely equal distribution of income among households.

Data Source:

Estimates of income inequality for sparsely populated states were calculated by Mark L. Burkey, Assistant Professor of Economics at NCA& T State University, Greensboro, NC, and are available online. American Community Survey estimates of income inequality from 2005–2007 were used for the remaining states.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/44>

Health Factors > Socioeconomic > Family & Social Support >
Weight in Health Factors: 2.5%

Inadequate Social Support

	WA (39)	East WA (20)
Yakima Rank	30	14
Low(non-outlier)	11.8%	13.2%
25 th Percentile	16.1%	16.3%
Midpoint	17.4%	18.2%
Average	17.7%	18.2%
75 th Percentile	19.2%	19.5%
Yakima	19.4%	19.4%
Max(non-outlier)	23.7%	24.3%
Std Deviation	2.57%	2.67%

Health Factors > Social & Economic > **Inadequate Social Support**
2010 County Health Rankings: Yakima vs. WA

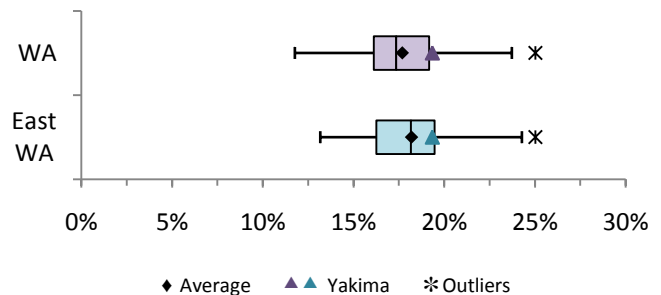


Chart source: Yakima Health District

About the Measure:

The social and emotional support measure is based on responses to the question: “How often do you get the social and emotional support you need?” The County Health Rankings reports the percent of the adult population that responds that they “never,” “rarely,” or “sometimes” get the support they need.

Data Source:

This measure was obtained from the Centers for Disease Control and Prevention’s Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. The estimates are based on four years of data from 2005–2008.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/40>

For more information, go to: www.countyhealthrankings.org



Health Factors > Socioeconomic > Family & Social Support >

Weight in Health Factors: 2.5%

Single-Parent Households

	WA (39)	East WA (20)
Yakima Rank	38	19
Low(non-outlier)	3.7%	4.5%
25 th Percentile	7.8%	8.4%
Average	9.2%	9.3%
Midpoint	9.3%	9.6%
75 th Percentile	10.8%	10.9%
Yakima	12.6%	12.6%
Max(non-outlier)	13.1%	13.1%
Std Deviation	2.13%	2.35%

Health Factors > Social & Economic > Single Parent Households
2010 County Health Rankings: Yakima vs. WA

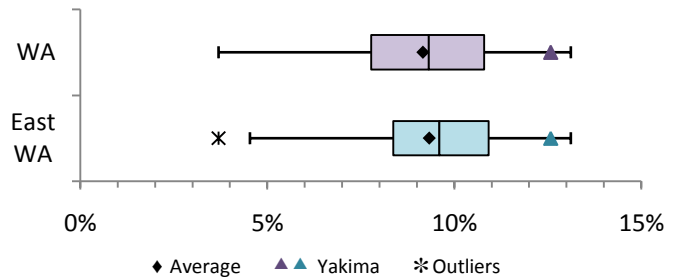


Chart source: Yakima Health District

About the Measure:

Single-parent households is the percent of all households run by a single parent (male or female householder with no spouse present) with one or more of their own children (< age 18) living at home.

Data Source:

Estimates of the percent of households run by single parents were calculated using data from the 2000 U.S. Census and the 2005–2007 American Community Survey (ACS). Data for sparsely population states come exclusively from the 2000 Census; data for remaining states are based on ACS data.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/28>

Health Factors > Socioeconomic > Community Safety >

Weight in Health Factors: 5%

Violent Crime Rate

	WA (39)	East WA (20)
Yakima Rank	35	19
Low(non-outlier)	50.09	50.09
25 th Percentile	158.21	118.63
Average	227.34	200.36
Midpoint	231.89	206.45
75 th Percentile	267.30	266.99
Yakima	348.48	348.48
Max(non-outlier)	430.92	413.38
Std Deviation	110.71	99.49

Health Factors > Social & Economic > Violent Crime Rate
2010 County Health Rankings: Yakima vs. WA

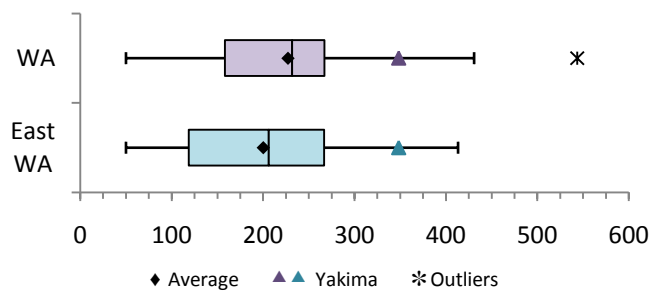


Chart source: Yakima Health District

About the Measure:

Violent crime is represented as an annual rate per 100,000 population. Violent crimes are defined as offenses that involve face-to-face confrontation between the victim and the perpetrator, including homicide, forcible rape, robbery, and aggravated assault.

Data Source:

Violent crime data at the county level are reliable for only a subset of U.S. states (AL, CA, DE, FL, HI, IL, ME, MD, MA, MI, MO, NV, NJ, NY, OK, OR, PA, RI, SC, TN, TX, VT, VA, WA, WI, and WY). These states use Uniform Crime Reporting program data on county-level offenses, for the years 2005–2007. The data were accessed through the Interuniversity Consortium for Political and Social Research (ICPSR) National Archive of Criminal Justice Data. State and national estimates were accessed directly via the FBI's Uniform Crime Reports Web site.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/43>



Health Factors > Physical Environment > Air Quality >

Weight in Health Factors: 2.5%

Air Pollution – Particulate Matter Days

	WA (39)	East WA (20)
Yakima Rank	1	1
Low(non-outlier)	0.00	0.00
25 th Percentile	0.00	0.00
Yakima	0.00	0.00
Midpoint	1.00	0.00
Average	2.64	1.85
75 th Percentile	4.00	3.25
Max(non-outlier)	10.00	8.13
Std Deviation	3.86	3.28

Health Factors > Phys. Environment > Particulate Matter Days
2010 County Health Rankings: Yakima vs. WA

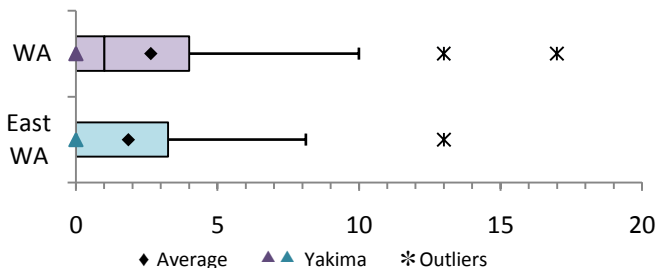


Chart source: Yakima Health District

About the Measure:

The air pollution—particulate matter measure represents the annual number of days that air quality was unhealthy for sensitive populations due to fine particulate matter (FPM, < 2.5 µm in diameter).

Data Source:

The Public Health Air Surveillance Evaluation (PHASE) project, a collaborative effort between the Centers for Disease Control and Prevention (CDC) and the EPA, used Community Multi-Scale Air Quality Model (CMAQ) output and air quality monitor data to create a spatial-temporal model that estimated fine particulate matter concentrations throughout the year. The PHASE estimates were used to calculate the number of days per year that air quality in a county was unhealthy for sensitive population due to FPM. The state and national values are an average of county values weighted by population size.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/46>

Health Factors > Physical Environment > Air Quality >

Weight in Health Factors: 2.5%

Air Pollution – Ozone Days

	WA (39)	East WA (20)
Yakima Rank	1	N/A
Low(non-outlier)	0.00	0.00
25 th Percentile	0.00	0.00
Midpoint	0.00	0.00
75 th Percentile	0.00	0.00
Max(non-outlier)	0.00	0.00
Yakima	0.00	0.00
Average	0.05	0.00
Std Deviation	0.22	0.00

Health Factors > Phys. Environment > Ozone Days
2010 County Health Rankings: Yakima vs. WA

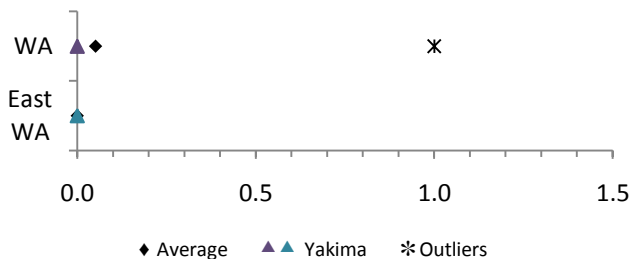


Chart source: Yakima Health District

About the Measure:

The air pollution—ozone measure represents the annual number of days that air quality was unhealthy for sensitive populations due to ozone levels.

Data Source:

The Public Health Air Surveillance Evaluation (PHASE) project, a collaborative effort between the Centers for Disease Control and Prevention (CDC) and the EPA, used Community Multi-Scale Air Quality Model (CMAQ) output and air quality monitor data to create a spatial-temporal model that estimated daily ozone concentrations throughout the year. The PHASE estimates were used to calculate the number of days per year that air quality in a county was unhealthy for sensitive population due to ozone. The state and national values are an average of county values weighted by population size.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/29>



Health Factors > Physical Environment > Built Environment >

Weight in Health Factors: 2.5%

Access to Healthy Foods

	WA (39)	East WA (20)
Yakima Rank	14	5
Low(non-outlier)	11.1%	11.1%
25 th Percentile	33.3%	31.3%
Average	45.9%	42.0%
Midpoint	50.0%	41.8%
Yakima	53.8%	53.8%
75 th Percentile	55.8%	51.0%
Max(non-outlier)	89.4%	80.5%
Std Deviation	16.92%	19.74%

Health Factors > Phys. Environment > Access to Healthy Foods*
2010 County Health Rankings: Yakima vs. WA

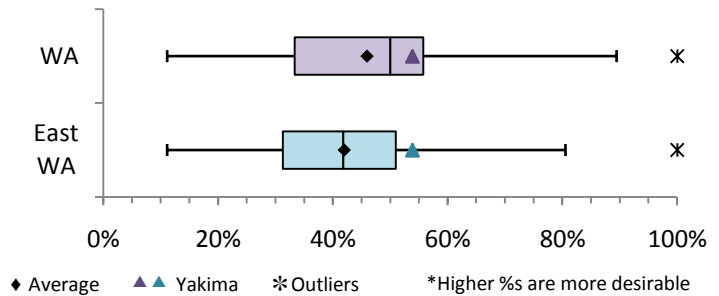


Chart source: Yakima Health District

About the Measure:

Access to healthy foods is measured as the percent of zip codes in a county with a healthy food outlet, defined as a grocery store or produce stand/farmers' market.

Data Source:

The measure is based on data from the US Census Bureau's Zip Code Business Patterns (2006). Healthy food outlets include grocery stores with more than four employees and produce/farmers' markets, as defined by their North American Industrial Classification System (NAICS) codes.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/30>

Health Factors > Physical Environment > Built Environment >

Weight in Health Factors: 2.5%

Liquor Store Density

	WA (39)	East WA (20)
Yakima Rank	11	7
Low(non-outlier)	0.00	0.00
25 th Percentile	0.38	0.11
Yakima	0.39	0.39
Midpoint	0.51	0.50
Average	0.57	0.51
75 th Percentile	0.72	0.72
Max(non-outlier)	1.23	1.33
Std Deviation	0.41	0.41

Health Factors > Phys. Environment > Liquor Store Density
2010 County Health Rankings: Yakima vs. WA

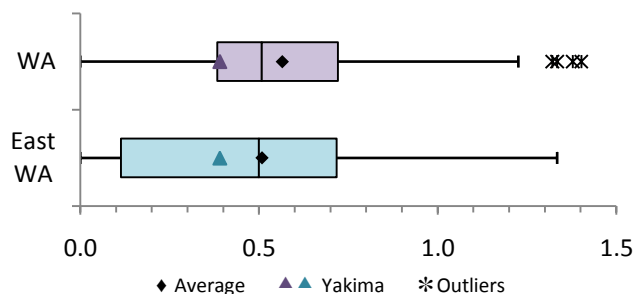


Chart source: Yakima Health District

About the Measure:

Liquor stores are represented as the number of stores per 10,000 population.

Data Source:

The measure is based on data from the US Census Bureau's County Business Patterns (2006), using North American Industrial Classification System (NAICS) codes to identify liquor stores by county. Population estimates come from the U.S. Census Bureau's Population Estimates program for 2006.

Measures description source : <http://www.countyhealthrankings.org/washington/yakima/41>

2010 County Health Rankings

Eastern Washington Rankings



WA OVERALL

Health Outcomes		Health Factors	
County	Rank	County	Rank
San Juan	1	San Juan	1
Douglas	2	King	2
Whitman	3	Whatcom	3
Kittitas	4	Kittitas	4
Island	5	Walla Walla	5
King	6	Chelan	6
Whatcom	7	Snohomish	7
Clark	8	Jefferson	8
Chelan	9	Thurston	9
Snohomish	10	Whitman	10
Jefferson	11	Island	11
Thurston	12	Benton	12
Benton	13	Garfield	13
Kitsap	14	Columbia	14
Franklin	15	Kitsap	15
Skagit	16	Douglas	16
Clallam	17	Spokane	17
Garfield	18	Clark	18
Walla Walla	19	Skagit	19
Klickitat	20	Lincoln	20
Columbia	21	Clallam	21
Adams	22	Wahkiakum	22
Spokane	23	Klickitat	23
Wahkiakum	24	Asotin	24
Pierce	25	Franklin	25
Lincoln	26	Pierce	26
Skamania	27	Skamania	27
Grant	28	Grant	28
Lewis	29	Mason	29
Pacific	30	Lewis	30
Pend Oreille	31	Pend Oreille	31
Yakima	32	Stevens	32
Grays Harbor	33	Adams	33
Cowlitz	34	Yakima	34
Asotin	35	Okanogan	35
Stevens	36	Cowlitz	36
Mason	37	Pacific	37
Okanogan	38	Grays Harbor	38
Ferry	39	Ferry	39

WA HEALTH OUTCOMES

Mortality (50%)		Morbidity (50%)	
County	Rank	County	Rank
Whitman	1	San Juan	1
San Juan	2	Douglas	2
King	3	Kittitas	3
Island	4	Jefferson	4
Chelan	5	Clallam	5
Whatcom	6	Island	6
Snohomish	7	Clark	7
Franklin	8	Whatcom	8
Benton	9	Garfield	9
Kitsap	10	King	10
Clark	11	Whitman	11
Douglas	12	Chelan	12
Kittitas	13	Skamania	13
Thurston	14	Thurston	14
Walla Walla	15	Pacific	15
Skagit	16	Snohomish	16
Adams	17	Skagit	17
Klickitat	18	Columbia	18
Spokane	19	Benton	19
Pierce	20	Kitsap	20
Columbia	21	Klickitat	21
Garfield	21	Lincoln	22
Wahkiakum	21	Franklin	23
Jefferson	24	Walla Walla	24
Clallam	25	Lewis	25
Yakima	26	Wahkiakum	26
Lincoln	27	Grant	27
Grant	28	Adams	28
Pend Oreille	29	Spokane	29
Lewis	30	Pierce	30
Asotin	31	Grays Harbor	31
Cowlitz	32	Pend Oreille	32
Skamania	33	Cowlitz	33
Grays Harbor	34	Yakima	34
Mason	35	Stevens	35
Pacific	36	Okanogan	36
Stevens	37	Mason	37
Okanogan	38	Ferry	38
Ferry	39	Asotin	39

2010 County Health Rankings

Eastern Washington Rankings



WA HEALTH FACTORS

Health Behaviors (30%)		Clinical Care (20%)		Social & Economic Factors (40%)		Physical Environment (10%)	
County	Rank	County	Rank	County	Rank	County	Rank
San Juan	1	King	1	Whitman	1	Garfield	1
King	2	Cowlitz	2	San Juan	2	Pend Oreille	2
Jefferson	3	Walla Walla	3	King	3	Skamania	2
Chelan	4	Thurston	4	Lincoln	4	Benton	4
Walla Walla	5	Spokane	5	Jefferson	5	Yakima	5
Whatcom	6	Chelan	6	Island	6	Lewis	6
Whitman	7	Snohomish	7	Snohomish	7	Grant	7
Kittitas	8	Skagit	8	Thurston	8	Snohomish	8
Columbia	9	Whatcom	9	Garfield	9	Skagit	9
Island	10	Clallam	10	Benton	10	Douglas	10
Klickitat	11	Clark	11	Kittitas	11	Lincoln	11
Franklin	12	Pierce	12	Kitsap	12	Columbia	12
Douglas	13	Kitsap	13	Whatcom	13	Clallam	13
Wahkiakum	14	Kittitas	14	Clark	14	Kittitas	14
Clallam	15	Benton	15	Walla Walla	15	Wahkiakum	15
Clark	16	San Juan	16	Columbia	16	Cowlitz	16
Snohomish	17	Douglas	17	Douglas	17	Franklin	17
Garfield	18	Jefferson	18	Spokane	18	Thurston	18
Benton	19	Island	19	Chelan	19	Klickitat	19
Thurston	20	Asotin	20	Asotin	20	Kitsap	20
Kitsap	21	Okanogan	21	Wahkiakum	21	Chelan	21
Spokane	22	Lewis	22	Skagit	22	Whatcom	22
Skagit	23	Klickitat	23	Mason	23	Mason	23
Lincoln	24	Yakima	24	Skamania	24	Island	24
Asotin	25	Columbia	25	Clallam	25	Okanogan	25
Yakima	26	Franklin	26	Pierce	26	Asotin	26
Okanogan	27	Pend Oreille	27	Grant	27	Spokane	27
Skamania	28	Mason	28	Stevens	28	Stevens	28
Pierce	29	Stevens	29	Klickitat	29	Pacific	29
Grant	30	Adams	30	Pacific	30	Pierce	30
Adams	31	Grant	31	Adams	31	Grays Harbor	31
Pend Oreille	32	Grays Harbor	32	Lewis	32	Adams	32
Pacific	33	Garfield	33	Pend Oreille	33	Walla Walla	33
Stevens	34	Wahkiakum	34	Franklin	34	Clark	34
Lewis	35	Skamania	35	Grays Harbor	35	Ferry	35
Ferry	36	Lincoln	36	Ferry	36	King	36
Mason	37	Pacific	37	Cowlitz	37	Whitman	37
Cowlitz	38	Ferry	38	Okanogan	38	San Juan	38
Grays Harbor	39	Whitman	39	Yakima	39	Jefferson	39

2010 County Health Rankings

Eastern Washington Rankings



EASTERN WA OVERALL

Health Outcomes		Health Factors	
County	Rank	County	Rank
Douglas	1	Kittitas	1
Kittitas	2	Chelan	2
Whitman	3	Walla Walla	3
Chelan	4	Whitman	4
Benton	5	Benton	5
Franklin	6	Douglas	6
Walla Walla	7	Garfield	7
Garfield	8	Columbia	8
Klickitat	9	Spokane	9
Adams	10	Lincoln	10
Columbia	11	Klickitat	11
Spokane	12	Asotin	12
Lincoln	13	Franklin	13
Grant	14	Grant	14
Pend Orielle	15	Pend Orielle	15
Yakima	16	Stevens	16
Asotin	17	Okanogan	17
Stevens	18	Yakima	18
Okanogan	19	Adams	19
Ferry	20	Ferry	20

EASTERN WA HEALTH OUTCOMES

Mortality (50%)		Morbidity (50%)	
County	Rank	County	Rank
Whitman	1	Douglas	1
Chelan	2	Kittitas	2
Franklin	3	Chelan	3
Benton	4	Garfield	4
Douglas	5	Whitman	5
Kittitas	6	Lincoln	6
Walla Walla	7	Columbia	7
Adams	8	Benton	8
Klickitat	9	Franklin	9
Spokane	10	Klickitat	10
Columbia	11	Grant	11
Garfield	11	Walla Walla	12
Yakima	13	Adams	13
Lincoln	14	Spokane	14
Grant	15	Pend Orielle	15
Pend Orielle	16	Stevens	16
Asotin	17	Yakima	17
Stevens	18	Ferry	18
Okanogan	19	Okanogan	19
Ferry	20	Asotin	20

EASTERN WA HEALTH FACTORS

Health Behaviors (30%)		Clinical Care (20%)		Social & Economic Factors (40%)		Physical Environment (10%)	
County	Rank	County	Rank	County	Rank	County	Rank
Chelan	1	Walla Walla	1	Whitman	1	Garfield	1
Walla Walla	2	Spokane	2	Lincoln	2	Pend Orielle	2
Kittitas	3	Chelan	3	Garfield	3	Benton	3
Whitman	4	Kittitas	4	Benton	4	Yakima	4
Klickitat	5	Benton	5	Kittitas	5	Lincoln	5
Columbia	6	Douglas	6	Walla Walla	6	Grant	6
Franklin	7	Asotin	7	Columbia	7	Douglas	7
Douglas	8	Okanogan	8	Chelan	8	Columbia	8
Benton	9	Klickitat	9	Douglas	9	Kittitas	9
Garfield	10	Yakima	10	Spokane	10	Franklin	10
Spokane	11	Columbia	11	Asotin	11	Klickitat	11
Asotin	12	Franklin	12	Grant	12	Chelan	12
Okanogan	13	Pend Orielle	13	Klickitat	13	Okanogan	13
Lincoln	14	Stevens	14	Stevens	14	Stevens	14
Yakima	15	Adams	15	Adams	15	Asotin	15
Pend Orielle	16	Grant	16	Franklin	16	Spokane	16
Ferry	17	Garfield	17	Pend Orielle	17	Adams	17
Grant	18	Lincoln	18	Ferry	18	Walla Walla	18
Stevens	19	Ferry	19	Okanogan	19	Ferry	19
Adams	20	Whitman	20	Yakima	20	Whitman	20

2010 County Health Rankings

Measures, Weights, Data Sources, and Years of Data



Group (weight)	Weight	Measure	Data Source	Years of Data
HEALTH OUTCOMES				
Mortality (50%)	50%	Premature death (Years of Potential Life Lost)	National Center for Health Statistics	2004-2006
Morbidity (50%)	10%	Self-reported health status	Behavioral Risk Factor Surveillance System	2002-2008
	10%	Poor physical health days	Behavioral Risk Factor Surveillance System	2002-2008
	10%	Poor mental health days	Behavioral Risk Factor Surveillance System	2002-2008
	20%	Low birth-weight	National Center for Health Statistics	2000-2006
HEALTH FACTORS				
HEALTH BEHAVIORS (30%)				
Tobacco (10%)	10%	Adult smoking	Behavioral Risk Factor Surveillance System	2002-2008
Diet and Exercise (10%)	10%	Adult obesity	National Center for Chronic Disease Prevention and Health Promotion	2006-2008
Alcohol Use (5%)	2.5%	Binge drinking	Behavioral Risk Factor Surveillance System	2002-2008
	2.5%	Motor vehicle death rate	National Center for Health Statistics	2000-2006
High Risk Sexual Behavior (5%)	2.5%	Teen births	National Center for Health Statistics	2000-2006
	2.5%	Chlamydia rate	National Center for Health Statistics	2006
CLINICAL CARE (20%)				
Access to Care (10%)	5%	Uninsured adults	Small Area Health Insurance Estimates, U.S. Census	2005
	5%	Primary care providers	Health Resources & Services Administration	2006
Quality of Care (10%)	5%	Preventable hospital stays	Medicare/Dartmouth Institute	2005-2006
	2.5%	Diabetic screening	Medicare/Dartmouth Institute	2003-2006
	2.5%	Hospice use	Medicare/Dartmouth Institute	2001-2005
SOCIOECONOMIC FACTORS (40%)				
Education (10%)	5%	High school graduation	National Center for Education Statistics ¹	2005-2006
	5%	College graduates	U.S. Census/American Community Survey	2000/2005-2007
Employment (10%)	10%	Unemployment rate	Bureau of Labor Statistics	2008
Income (10%)	7.5%	Children in poverty	Small Area Income and Poverty Estimates, U.S. Census	2007
	2.5%	Income inequality	U.S. Census/American Community Survey ²	2000/2005-2007
Family and Social Support (5%)	2.5%	Social/emotional support	Behavioral Risk Factor Surveillance System	2005-2008
	2.5%	Single-parent households	U.S. Census/American Community Survey	2000/2005-2007
Community Safety (5%)	5%	Violent crime ³	Uniform Crime Reporting, Federal Bureau of Investigation	2005-2007
PHYSICAL ENVIRONMENT (10%)				
Air Quality ⁴ (5%)	2.5%	Unhealthy air due to ozone	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2005
	2.5%	Unhealthy air due to particulate matter	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2005
Built Environment (5%)	2.5%	Access to healthy foods	Census Zip Code Business Patterns	2006
	2.5%	Liquor stores	Census County Business Patterns	2006

¹ State data sources for KY, NH, NC, PA, SC, and UT (2007-2008).

² Income inequality estimates for 2000 were calculated by Mark L. Burkey, North Carolina Agricultural & Technical State University, www.ncat.edu/~burkeym/Gini.htm.

³ Homicide rate (2000-2006) from National Center for Health Statistics for AK, AZ, AR, CO, CT, GA, ID, IN, IA, KS, KY, LA, MN, MS, MT, NE, NH, NM, NC, ND, OH, SD, UT, and WV. State data source for IL.

⁴ Not available for AK and HI.