

Whatcom County

Community Health Status Assessment

March 2018



Whatcom County
HEALTH
Department



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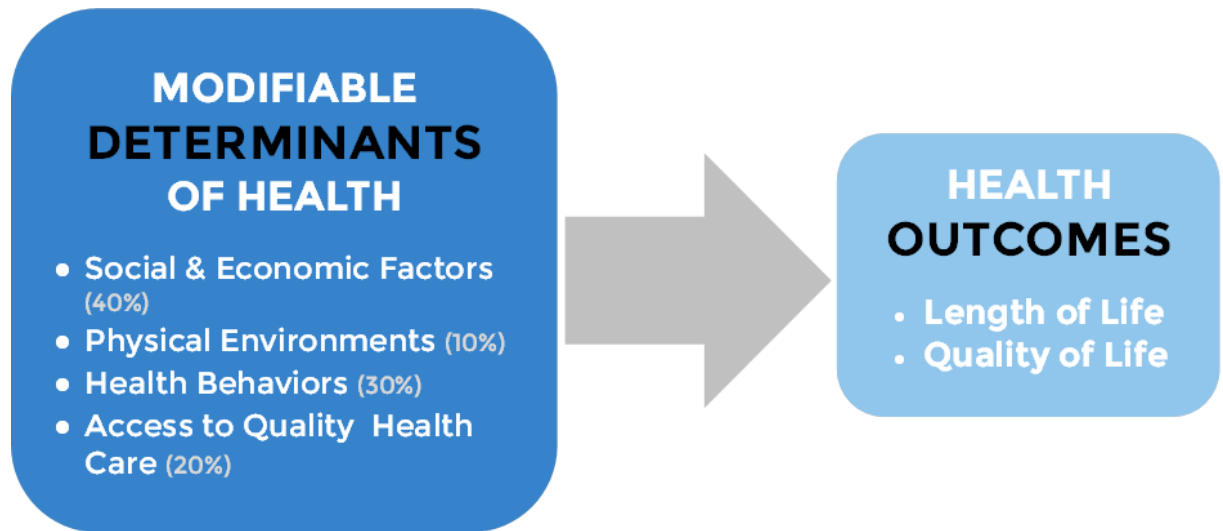
Introduction

The *Community Health Status Assessment (CHSA)* is one of four assessments that make up the comprehensive *2018 Whatcom County Community Health Assessment (CHA)*. The CHSA is a first step toward measuring the community's health and provides a point-in-time answer to the question, "How healthy are Whatcom County residents?" It compares the most recent health status data to past years, as well as state averages and national targets, using the best available quantitative data.

The CHSA is comprised of a set of 175 health indicators that together represent an inclusive picture of population health. The indicators are separated into six domains, based on the population health framework shown at right. This research-based framework demonstrates how health outcomes – the length and health-related quality of one's life – are the result of complex interactions between many factors, or *health determinants*. These influencing factors fall into one of four categories: social and economic factors, health behavior, access to care, and physical environment.*

The population health framework is important to the Community Health Assessment because it explains that health is determined by more than just the individual choices each person makes. Health is also determined by the resources that a person can access or the quality of the environment in which they live. The CHSA includes measures of these health determinants as a way to assess not just how sick or well our population is, but also what underlying factors are contributing to health and disease.

POPULATION HEALTH FRAMEWORK



The Population Health Framework is adapted from the County Health Rankings population health model. More information can be obtained at <http://www.countyhealthrankings.org/explore-health-rankings/what-and-why-we-rank>

* A fifth category of health determinants, genetics, has been excluded from the population health framework used here. While an individual's genetic makeup is also an important determinant of health, our model focuses only on *modifiable* determinants of health: those that can be changed through population health interventions.

^ Each of those data systems has its own limitations, and data for each of the indicators should be interpreted as estimates.

Methodology



Indicator Selection


The indicators in this assessment were selected from 23 sources that include standard population health data systems such as vital records, public health databases, state and local surveys, and the US Census.[^] The selected indicators align with recommendations for regional, state and national community health status indicators, as well as the 2012-2016 Whatcom County Community Health Improvement Plan.

Data Analysis

A comparative analysis was selected in order to demonstrate difference between past year and recent year data estimates within Whatcom County and to demonstrate difference between recent Whatcom County estimates and recent Washington State estimates. For the purpose of the analyses in this report, a statistical difference means that the 95% confidence intervals for the two data points did not overlap, and we are 95% confident that the difference between the two values is not due to normal variability. When available national Healthy People 2020 target data is included for comparison.


Past – Recent Whatcom Comparison

Analysis results that compare past and recent Whatcom County data are displayed as either  or  arrows when there is a statistical difference between the past and recent data. An **orange** arrow indicates Whatcom County is doing worse than in previous years (e.g. an orange arrow pointing up means that the percentage went up from past years, but the desired direction is down). A **blue** arrow indicates Whatcom County is doing better than in previous years.

When the confidence intervals did overlap between data estimates, there is not enough data to confirm that the difference can't be attributed to normal variability, and we cannot say there is a statistical difference between the two values. Analysis results that show no statistical difference between the past and recent values are displayed with a .

A single dash (-) means there is insufficient data to determine if there is or is not a statistical difference between past and recent years.

Whatcom – Washington State Comparison

Analysis results that compare the most recent Whatcom County data estimates with the most recent Washington State estimates are displayed as either “WC Lower” or “WC Higher” when there is a statistical difference between the two values. **Orange** indicates Whatcom County is doing worse than the state average, and **blue** indicates Whatcom County is doing better than the state average. Comparisons that show no statistical difference are displayed with a .

A single dash (-) means there is insufficient data to determine if there is or is not a statistical difference between Whatcom County and the state average.

[^]Note on statistical certainty: Estimates provided in this report come with some certain level of known and acceptable error. In order to accommodate this variability, comparison results were provided only when the original data sources included values of uncertainty for each estimate. Statistical uncertainty can be summarized by a 95% confidence interval, also called the margin of error. A 95% confidence interval means that if the data were collected in exactly the same way with a different random sample of people, the new estimate would fall within the range of the confidence interval 95% of the time. Ensuring analysis results account for uncertainty is significant to communities with smaller populations, such as Whatcom County, as estimates based on too few respondents or counts are considered to be unreliable and may constitute a breach of confidentiality in some circumstances.

Interpreting the Data:

A visual guide to data tables

Health indicator



Past and recent data for
Whatcom County



Most recent
WA State data



Health People
2020 data



Sexual Health	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Birth rate per 1,000 population	2011	11.8	2016	10.7	↔	12.6	WC Lower	
Teen pregnancy rate (age 15-17yrs) per 1,000	2011	16.7	2016	9.3	⬇	10.7	↔	36.2
Chlamydia incidence rate per 100,000	2011	274.12	2016	325.59	⬆	434.22	WC Lower	
Gonorrhea incidence rate per 100,000	2011	8.91	2016	47.99	⬆	113.66	WC Lower	
Primary Syphilis incidence rate per 100,000	2011	0	2016	0.47	↔	2.98	↔	1.3 (F) 6.7(M)
Tobacco Use	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Adults current cigarette use	2011	12.4%	2016	11.5%	↔	13.9%	↔	12%
Cigarette use among 10th grade students (in the past 30 days)	2010	13.78%	2016	7.05%	⬇	6.30%	↔	16%
E-cigarette use among 10th grade students (in the past 30 days)	2014	3.5%	2016	12.10%	⬆	12.66	-	
Births where the mother smoked during pregnancy	2011	6.86%	2016	9.40%	⬆	9.07%	↔	1.4%

Indicates statistical significance between
Whatcom County's health status data over time

- The direction of the arrow indicates if the rate or percent has gone up or down in recent years. ⬆ ⬇
- **Orange** indicates Whatcom County is doing worse than in previous years (e.g. an orange arrow pointing up means that the percentage went up but the desired direction is down).
- **Blue** indicates Whatcom County is doing better in previous years.
- A ↔ means there is no statistical difference between past and present years.
- A - means there is insufficient data to determine if there is a statistical difference between past and recent years.

Indicates statistical significance between
County and State recent health status data

- **Orange** indicates Whatcom County is doing worse than the state average.
- **Blue** indicates Whatcom County is doing better than the state average.
- A ↔ means there is no statistical difference between Whatcom County and the state average.
- A - means there is insufficient data to determine if there is a statistical difference between Whatcom County and the state average.

Community Health Status Assessment – Data Tables

Section A. Demographics

Population	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Total Population	203,447	216,300	↔	7,288,000	-
Population that has moved in the last 12 months	-	20.3%	-	17.7%	-
Age Distribution	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Median Age	36	37	↔	37.7	WC Lower
Under 5 years	5.1%	5.3%	↔	6.2%	WC Lower
5 to 9 years	5.5%	5.5%	↔	6.4%	WC Lower
10 to 14 years	6.1%	5.7%	↔	6.1%	-
15 to 19 years	7.6%	6.8%	↔	6.2%	WC Higher
20 to 24 years	10.6%	11%	↔	6.6%	WC Higher
25 to 34 years	13.7%	13.1%	↔	14.6%	WC Lower
35 to 44 years	11.4%	11.4%	↔	13.0%	WC Lower
45 to 54 years	12.8%	12.1%	↔	13.1%	WC Lower
55 to 59 years	7.2%	6.3%	↔	6.7%	-
60 to 64 years	6.4%	6.5%	↔	6.3%	-
65 to 74 years	7.5%	10.2%	⤴	9.0%	WC Higher
75 to 84 years	4.2%	4.2%	↔	4.0%	-
85 years and over	1.8%	2.1%	↔	1.8%	-
Gender	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Female	49.8%	50.5%	↔	50.1%	WC Higher
Male	50.2%	49.5%	↔	49.9%	-

Race & Ethnicity	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Black or African American	1.1%	1.2%	↔	3.7%	WC Lower
American Indian/Alaska Native	2.2%	2.8%	↔	1.3%	WC Higher
Asian	4.4%	4.3%	↔	8.2%	WC Lower
Native Hawaiian/Pacific Islander	0%	0.2%	↔	0.7%	WC Lower
White/Caucasian	87.4%	82.3%	⬇	75.7%	WC Higher
Two or more races	3.4%	4.0%	↔	5.7%	WC Lower
Spanish, Hispanic, or Latino Ethnicity (any race)	8.2%	9.2%	↔	12.4%	-
Households and Families	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Number of Households	79,003	81,019	↔	2,696,606	-
Households with Children (Under 18)	28.4%	27.3%	↔	30.9%	WC Lower
Number of Family Households	48,118	49,193	↔	1,738,213	-
Language	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Speak Only English	88.5%	87.6%	↔	81%	WC Higher
Speak a Language Other than English – Total	11.5%	12.4%	↔	19%	WC Lower
Speak a Language Other than English – Spanish or Spanish Creole	5.2%	5.9%	↔	8.4%	WC Lower
Speak a Language Other than English – Other Indo-European Languages	3.9%	4.1%	↔	3.9%	-
Speak a Language Other than English – Asian and Pacific Island languages	2.0%	2.2%	↔	5.7%	WC Lower
Speak a Language Other than English – Other languages	0.3%	0.2%	↔	1.1%	WC Lower
Veterans	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Veterans as Percent of Total Population	8.0%	7.9%	-	9.6%	WC Lower

Population with a Disability	Whatcom County			Washington State	
	Past Percent / Count (2011)	Recent Percent / Count (2016)	Past – Recent Comparison	Washington State	Whatcom – WA Comparison
Population 5 to 17 years with a disability	4.20%	5.5%	↔	5.2%	-
Population 18 to 34 years with a disability	8.0%	7.9%	↔	7.1%	WC Higher
Population 35 to 64 years with a disability	15.30%	14.4%	↔	13.4%	-
Population 65 to 74 years with a disability	25.40%	31.8%	↔	25.2%	-
Population 75 years and over with a disability	46.50%	52.8%	↔	52.3%	-

Section B: Health Outcomes

Length of Life	Whatcom County					Washington State		National Target
	Past Year	Past Rate/ Percent	Recent Year	Recent Rate/ Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Premature Death: Total years of potential life lost before age 65	2011	2,714	2016	3,032	↑	3,418	WC Lower	
Life expectancy at birth (years)	2011	81.67	2016	80.85	↔	80.43	↔	
Infant death rate per 1,000 live births	2011	3.5	2015	5.9	↔	4.8	↔	6
Coronary heart disease death rate per 100,000	2011	74.9	2016	76.4	↔	77.6	↔	103.4
Stroke death rate per 100,000	2011	34.4	2016	37.9	↔	35.7	↔	34.8
Lung cancer death rate per 100,000	2011	37.4	2016	34.8	↔	34.8	↔	
Unintentional injury death rate per 100,000	2011	23.75	2016	30.11	↔	43.64	WC Lower	36.4
Motor vehicle death rate per 100,000	2011	5.44	2016	5.65	↔	7.81	↔	12.4
Alcohol-related death rate per 100,000	2007-2011	10.74	2012-2016	15.88	↑	14.60	↔	
Drug-related death rate per 100,000	2007-2011	13.27	2012-2016	12.54	↔	15.14	WC Lower	11.30
Opioid-related death rate per 100,000	2007-2011	7.91	2012-2016	6.45	↔	8.5	↔	8.2
Suicide death rate per 100,000	2011	12.9	2016	13.6	↔	14.8	↔	10.2

Quality of Life	Whatcom County					Washington State		National Target
	Past Year	Past Rate/ Percent	Recent Year	Recent Rate/ Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Infant low birth weight	2011	5.49%	2016	5.92%	↔	6.41%	↔	7.8%
Hepatitis C incidence rate per 100,000	2011	3.9	2016	1.4	-	1.3	-	.25
HIV incidence rate per 100,000	2010-2012	1.9	2014-2016	2.7	↔	6.4	WC Lower	
Adults who have ever been told by a doctor they had high blood pressure	2013	32.64%	2015	25%	↔	29.72%	↔	
Adults who have ever been told they had diabetes	2012	6.46%	2016	6.1%	↔	8.7	↔	
Adults currently with asthma	2012	7.98%	2016	10.84%	↔	9.64%	↔	
10th grade students currently with asthma	2010	13.30%	2016	10.30%	↔	11.60%	↔	
Adults with depression	2011	22.9%	2016	22.6%	↔	21.0%	↔	
Adults reporting ≥14 days per month of poor mental health	2011	9.5%	2016	13.4%	↔	10.7%	↔	
Adults reporting poor or fair general health	2011	14.6%	2016	11.9%	↔	14.4%	↔	
10th grade students reporting depression (in the last 12 months)	2010	28.59%	2016	32.58%	↔	34.49%	↔	
10th grade students seriously considering suicide (in the last 12 months)	2010	17.44%	2016	18.09%	↔	20.58%	↔	
10th grade students reporting a high quality of life	2010	54.9%	2016	49.5%	↔	12.26%	↔	

Leading Causes of Death (rate per 100,000)	Whatcom County					Washington State		National Target
	Past Year	Past Rate/ Percent	Recent Year	Recent Rate/ Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Major cardiovascular diseases	2011	175.64	2016	186.11	↔	185.19	↔	161.4
Malignant neoplasms	2011	162.7	2016	164.67	↔	151	↔	36.4
Alzheimer's disease	2011	53.6	2015	44.55	↔	42.98	↔	
Chronic lower respiratory diseases	2011	39.27	2016	29.85	↔	37.37	↔	
Accidents	2011	22.81	2016	28.21	↔	40.75	WC Lower	
Diabetes mellitus	2011	20.3	2016	16.68	↔	20.69	↔	
Intentional self-harm (suicide)	2011	12.97	2016	13.69	↔	14.88	↔	10.2
Influenza and pneumonia	2011	12.25	2016	9.44	↔	9.98	↔	
Parkinson's disease	2011	7.6	2016	9.17	↔	9.18	↔	
Chronic liver disease and cirrhosis	2011	7.59	2016	9.13	↔	11	↔	

Section C: Social & Economic Factors

Community Safety & Violence	Whatcom County					Washington State		National Target
	Past Year	Past Rate/ Percent	Recent Year	Recent Rate/ Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Jail incarceration rates per 100,000 (ages 15-64)	2011	288.3	2014	276.3	-	237.5	-	
Violent crime rate per 1,000 arrests (Ages 18+)	2011	1.5	2015	1.4	↔	1.5	-	
Domestic violence offenses rate per 1,000	2011	4.6	2015	6.4	↔	7.4	-	
Victims of child abuse and neglect rate per 1,000	2011	46.2	2016	45.8	↔	34.0	-	
Households with loaded and unlocked firearms	2013	2.9%	2016	3.4%	↔	6.0 %	↔	
10th grade students reported being bullied (in the last 30 days)	2010	23.59%	2016	19.85%	↔	20.67%	↔	17.9%
10th grade students reporting physical abuse	2014	20.81%	2016	19.84%	↔	22.6%	↔	
10th grade students who reported driving after using marijuana (in the last 30 days)	2014	10.9%	2016	8.4%	↔	9.3%	↔	
Pedal cyclist injury hospitalization rate per 100,000	2011	1.4	2015	2.3	↔	1.63	↔	
Pedestrian injury hospitalization rate per 100,000	2011	3.41	2015	4.17	↔	6.08	↔	20.3

Education	Whatcom County					Washington State		National Target
	Past Year	Past Rate/ Percent	Recent Year	Recent Rate/ Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Children who demonstrate readiness skills for kindergarten in all areas	-	-	2016-2017	47.8%	-	47.4%	-	
On-time graduation rate	2011	76.6%	2016	76.6%	↔	79.1%	-	87%
Adults ages 18-24 enrolled in college or graduate school	2011	58.0%	2016	58.1%	↔	36.5%	WC Higher	
Adults ages 25-44 with some post-secondary education	2007-2011	70.6%	2011-2015	71.5%	↔	69.0%	↔	

Housing Security	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
All cost burdened households (Housing cost is > 30% of income)	2008-2012	40.02%	2011-2015	37.77%	↔	35.09%	WC Higher	
Owner-occupied households cost burden	2008-2012	33.52%	2011-2015	29.52%	↓	27.81%	↔	
Renter-occupied households cost burden	2008-2012	51.1%	2011-2015	53.47%	↔	47.21%	WC Higher	
Homeowner vacancy rate	2007-2011	2.10%	2012-2016	1.40%	↔	1.60%	↔	
Rental vacancy rate	2008-2012	4.70%	2012-2016	3.60%	↔	4.10%	WC Lower	
Severe housing problems (1 or more of the following: overcrowding, high housing costs, lack of kitchen or plumbing)	2007-2011	21.0%	2009-2013	21.0%	↔	18.0%	WC Higher	
Population experiencing homelessness	2011	700	2017	742	↔	-	-	
Families with children experiencing homelessness	2011	114	2017	94	↔	-	-	
Homelessness of public school students	2010-2011	821	2014-2015	854	↔	-	-	
Income & Poverty	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Median Household Income	2007-2011	\$51,389	2012-2016	\$54,207	↻	\$62,848	WC Lower	
ALICE Households (Asset Limited, Income Constrained, Employed)	2010	25.0%	2014	22.0%	↔	20.0%	-	
Population living below the poverty level	2011	15.6%	2016	15.2%	↔	11.3%	WC Higher	
Population 18 and under living below poverty level	2011	17.8%	2016	12.3%	↔	13.9%	-	
Community Needs Index County Average (Average of five different barrier scores that measure various socio-economic indicators, range:1.0 (low) 5.0 (high))	-	-	2017	3.4	-	0	-	
Gini Index (Income inequality score ranging from 0-perfect equality to 1-inequality)	2007-2011	0.43	2012-2016	0.45	↔	0.45	↔	
Food Insecurity	2011	14.8%	2014	14.7%	↔	13.7%	-	
Children eligible for free-reduced lunch per 100 students	2011	40.9	2016	39.2	↔	44.5	-	
10th grade students experiencing food insecurity (in the past year)	2010	14.77%	2016	11.79%	↔	12.41%	↔	

Isolation	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Households with limited access to a private vehicle	-	-	2011-2015	6.9%	-	7.0%	-	
Population 65+ living alone	2011	8.5%	2016	12.9%	↻	10.0%	WC Higher	
Population That Speaks English Less Than “Very Well”	2007-2011	4.4%	2012-2016	4.7%	↔	7.6%	WC Lower	
Social Support	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
10th grade students reporting having an adult in the community they can talk to about something important	2010	74.6%	2016	77.1%	↔	74.4%	↔	
Adults who can count on other adults to watch out for children	2012	80.3%	2014	83.9%	↔	74.5%	↔	
Children that live in a household headed by a single parent	2007-2011	27.0%	2011-2015	28.0%	↔	29.0%	-	
Social Associations per 10,000 <i>(Membership associations: e.g. civic, business, professional or religious organizations, fitness centers, sports clubs)</i>	2012	12	2014	11.3	↔	9	-	
Percentage of registered voters	-	-	2016		-	76.8%	-	

Unemployment	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Unemployment rate	2011	8.50%	2016	6.80%	↔	5.40%	↔	

Section D: Health Behaviors

Alcohol & Drug Use	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Opiate treatment admissions per 100,000	2002-2004	93.3	2013-2015	349.8	-	186.3	-	
Heroin (as primary drug) treatment admissions per 100,000	2002-2004	55.2	2013-2015	304.9	-	141.4	-	
Methamphetamine (as primary drug) treatment admissions per 100,000	2002-2004	79	2013-2015	107	-	108	-	
Opioid (any) overdose hospitalization rate per 100,000	2008-2010	15.7	2014-2016	14.8	↔	18.6	↔	
Alcohol-impaired driving deaths	2008-2012	37.0%	2011-2015	22.0%	-	35.0%	WC Lower	
Adults binge-drinking (in the past month)	2011	20.2%	2016	22.6%	↔	16.4%	↔	24.4%
10th grade students who reported drinking and driving (in the last 30 days)	2010	7.0%	2016	4.1%	⬇	5.4%	↔	
Binge drinking among 10th grade students (in the last 30 days)	2010	18.83%	2016	9.08%	⬇	10.87%	↔	8.6%
Marijuana use among 10th grade students (in the last 30 days)	2010	22.5%	2016	16.31%	⬇	17.22%	↔	6%
Immunizations & Screenings	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Children 19-35 months who received recommended vaccines	2014	50.0%	2016	58.0%	-	59.0%	-	
Personal vaccination exemption rate among school age children	2010-2011	9.90%	2016-2017	7.15%	-	4.74%	-	
Adult influenza vaccination status (in the last 12 months)	2011	65.8%	2016	66.0%	↔	59.2%	↔	70%
Adults, ages 50+ who had appropriate screening for colorectal cancer	2014	77.6%	2016	77.3%	↔	70.7%	↔	70.5%
Women, ages 50-74 who have had a mammogram in the past 2 years	2014	68.3%	2016	63.8%	↔	76.2%	↔	81.1%

Nutrition & Physical Activity	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Adults eating fruit once or more der day	2013	65.4%	2015	67.4%	↔	63.5%	↔	
Adults eating vegetables once or more per day	2013	84.6%	2015	83.8%	↔	83.2%	↔	
10th grade students eating ≥5 fruits and vegetables per day	2012	26.68%	2016	19.12%	⬇	20.29%	↔	
Adults who met aerobic physical activity guidelines	2011	56.6%	2015	62.6%	↔	58.4%	↔	47.9%
10th grade students who met aerobic physical activity guidelines	2010	20.67%	2016	22.27%	↔	23.72%	↔	31.6%
Adults who are obese (<i>Self-reported BMI ≥29</i>)	2011	20.3%	2016	23.9%	↔	25.8%	↔	30.5%
10th grade students who are obese or overweight (>95th percentile for BMI)	2010	10.74%	2016	10.89%	↔	11.58%	↔	14.5%
Sexual Health	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Birth rate per 1,000 population	2011	11.8	2016	10.7	↔	12.6	WC Lower	
Teen pregnancy rate (age 15-17yrs) per 1,000	2011	16.8	2016	9.4	⬇	10.7	↔	36.2
Chlamydia incidence rate per 100,000	2011	274.12	2016	325.59	⬆	434.22	WC Lower	
Gonorrhea incidence rate per 100,000	2011	8.91	2016	47.99	⬆	113.66	WC Lower	
Primary Syphilis incidence rate per 100,000	2011	0	2016	0.47	↔	2.98	↔	1.3 (F) 6.7 (M)
Tobacco Use	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Adults current cigarette use	2011	12.4%	2016	11.5%	↔	13.9%	↔	12%
Cigarette use among 10th grade students (in the past 30 days)	2010	13.78%	2016	7.05%	⬇	6.3%	↔	16%
E-cigarette use among 10th grade students (in the past 30 days)	2014	3.5%	2016	12.1%	⬆	12.66	-	
Births where the mother smoked during pregnancy	2011	6.86%	2016	9.4%	⬆	9.07%	↔	1.4%

Section E: Physical Environment

Food & Water Diseases	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Campylobacter incidence rate per 100,000	2011	42.78	2016	25.59	⬇️	26.38	↔️	
E. Coli incidence rate per 100,000	2011	5.83	2016	8.15	↔️	4.9	↔️	
Giardiasis incidence rate per 100,000	2011	14.22	2016	4.18	⬇️	9.15	↔️	
Listeriosis incidence rate per 100,000	2011	0	2016	0.3	↔️	0.16	-	
Salmonellosis incidence rate per 100,000	2011	9.33	2016	11	↔️	10.66	↔️	
Shigellosis incidence rate per 100,000	2011	.93	2016	2.91	↔️	2.8	↔️	
Commute	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Driving alone to work	2008-2012	73.0%	2011-2015	74.0%	↔️	73.0%	↔️	
Commuters biking to work	2007-2011	2.2%	2012-2016	1.5%	↔️	0.90%	WC Higher	.60%
Commuters walking to work	2007-2011	5.0%	2012-2016	4.8%	↔️	3.6%	WC Higher	3.1%
Mean travel commute time to work (minutes)	2007-2011	21	2012-2016	21	↔️	27	WC Lower	
Water & Air Quality	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Population served by Community Water Systems (CWS) as sources of drinking water	2011	79.0%	2016	78.0%	↔️	85.3%	-	91%
Nitrates exposure from public drinking water systems	2011	0.4%	2016	0.4%	↔️	0.0%	-	
Arsenic exposure from public drinking water systems	2011	0.4%	2016	.00%	↔️	0.1%	-	
Marine Water Condition Index Score <i>(The MWCI integrates 12 variables that each describes an important aspect of water quality conditions, such as temperature, salinity, nutrient balance & algae biomass, index scores span from -50 to +50)</i>	2011	7	2015	-3	↔️	0	-	
Air Pollution <i>(Annual Average Air Quality Concentrations for PM_{2.5}, EPA has set the annual PM_{2.5} standard to 15 µg/m³)</i>	2011	5.3µg/m ³	2016	4.9µg/m ³	↔️	0.00	-	
10th grade students exposed to indoor secondhand smoke (in the last 7 days)	2010	34.38%	2016	23.00%	⬇️	23.61%	↔️	41%

Built Environment	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Food Environment Index <i>(Ranges from 0 (worst) to 10 (best) and equally weights two indicators of the food environment: limited access to health foods & food insecurity)</i>	2010-2011	7.6	2012 & 2014	7.3	↔	7.6	-	
Adequate access to locations for physical activity	2010 & 2012	76.0%	2010 & 2014	87.0%	↔	88.0%	-	
Population living within a half a mile of a park	2010	36.0%	2015	53.0%	↔	62.0%	-	

Section F: Health Care

Access to Care	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
First trimester prenatal care	2011	80.27%	2016	80.53%	↔	80.52%	↔	77.9%
Third graders with untreated dental decay	2010	13.2%	2015	16.1%	↔	12.0%	↔	
Adults who visited dentist or dental clinic in past year	2012	67.8%	2016	67.8%	↔	68.2%	↔	49%
10th grade students who saw a dentist (in the past 2 years)	2010	86.52%	2016	88.51%	↔	87.91%	↔	33.2%
Adults with personal healthcare provider	2011	75.6%	2016	81.3%	↔	75.7%	↔	83.9%
Infants 12-24 months who had a well-care visit with a primary care practitioner in the past year	2013-2014	93.0%	2015-2016	94.0%	↔	94.0%	↔	
Children and youth (≤18 years) without health insurance	2011	7.90%	2015	4.10%	↓	2.90%	WC Higher	
Adults (18-64 years) without health insurance	2011	23.0%	2015	10.70%	↓	9.40%	↔	
Ratio of primary care provider per population	2011	1:1,177	2014	1:1,164	↔	1,190	-	
Ratio of dentists per population	2010	1:1,588	2015	1:1,444	↔	1,270	-	
Ratio of mental health care provider per population <i>(includes psychiatrists, psychologists, licensed clinical social workers, counselors, marriage and family therapists, substance abuse mental health providers, and advanced practice nurses specializing in mental health care)</i>	2013	1:348	2016	1:262	↔	360	-	

Quality of Care	Whatcom County					Washington State		National Target
	Past Year	Past Rate/Percent	Recent Year	Recent Rate/Percent	Recent – Past Comparison	Washington State	Whatcom – WA Comparison	
Potentially-avoidable emergency department visits	2013-2014	10.0%	2015-2016	13.0%	↔	16.0%	-	
Preventable hospital stays per 1,000 Medicare enrollees	2011	42.0%	2014	36.0%	↔	33.0%	WC Higher	
Patients who gave their hospital a rating of 9 or 10 on a scale from 0 (lowest) to 10 (highest)	2013-2014	69.0%	2015-2016	71.0%	↔	71.0%	-	
30-day all-cause hospital readmissions	2013-2014	0.0	2015-2016	1.20	↔	1.40	-	
Diabetic monitoring of Medicare enrollees ages 65-75	2011	82.0%	2014	90.0%	↔	86.0%	↔	
Mammography screening of Medicare enrollees ages 67-69	2011	63.6%	2014	63.3%	↔	61.0%	↔	

Data Sources

Data Source		Website
Alcohol & Drug Abuse Institute	University of Washington	http://adai.washington.edu/WAdata/
ALICE Report	United Way	http://www.unitedwaywhatcom.org/alice-0
American Community Survey Small Area Income and Poverty Estimates	U.S. Census Bureau	https://www.census.gov/
Behavioral Risk Factor Surveillance Survey	Washington State Department of Health, Centers for Disease Control and Prevention	https://www.doh.wa.gov/DataandStatisticalReports
Census Reporter	U.S. Census Bureau	https://censusreporter.org/
Community Checkup	Washington Health Alliance:	https://www.wacommunitycheckup.org/
Community Health Assessment Tool School Immunization Data Tables Washington Smile Survey	Washington State Department of Health	https://www.doh.wa.gov/DataandStatisticalReports
Community Needs Index	Dignity Health and Truven Health	http://cni.chw-interactive.org/
Community Commons	Institute for People, Place, and Possibility, Center for Applied Research and Environmental Systems, and Community Initiatives	https://www.communitycommons.org/
County Health Rankings	University of Wisconsin Population Health Institute	http://www.countyhealthrankings.org/
Healthy Youth Survey	Washington State Department of Health	https://www.askhys.net/
National Environmental Public Health Tracking Network	Centers for Disease Control and Prevention	https://ephtracking.cdc.gov/showHome.action
OSPI Performance Indicators	Washington State Office of Superintendent of Public Instruction:	http://www.k12.wa.us/DataAdmin/default.aspx
Risk and Protection Profile for Substance Abuse Prevention	Washington State Department of Social and Health Services	https://www.dshs.wa.gov/sesa/research-and-data-analysis/community-risk-profiles
Vital Signs	Puget Sound Partnership	http://www.psp.wa.gov/vitalsigns/
Whatcom County's Annual Homeless Census	Whatcom Homeless Service Center	https://www.whatcomhsc.org/plans-and-reports/
Washington Tracking Network	Washington State Department of Health	https://fortress.wa.gov/doh/wtn/WTNPortal/

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