

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018^α

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INTRODUCTION

The *Kitsap County Core Public Health Indicators* report is a high level synthesis of demographic and public health data designed to provide an overview of the health of Kitsap County. The majority of data come from standard public health sources: vital records, public health program tracking, reportable illnesses, surveys, and the U.S. Census. Data sources are footnoted throughout and described in the *Data Sources* and *Data Details* sections. Indicators have the newest available data and should be interpreted as estimates. The indicators in this report have many implications for public health practice, policy, and services. These indicators are presented in an effort to provide sound, reliable data that can be used to monitor change over time, help focus resources, encourage new and existing partnerships, and support the work necessary to make Kitsap County a healthy and safe place to live, learn, work, and play.

^α The 2018 report was originally released 1/2/19. It was re-released 1/14/19 with updates to 3 birth-related indicators, and released again 1/31/2019 with corrections to labels for opioid prescriptions and drug and opioid hospitalizations.

EXAMPLE: HOW TO READ AN INDICATOR

Kitsap data for each indicator are presented for a series of years in a trend line graph. The entire line or segments of the line are color coded: green is a statistically significant improving trend, red is a statistically significant worsening trend, purple is a statistically increasing or decreasing trend not assessed as improving or worsening, and black is no statistical change. The overall statistical trend in Kitsap is presented from the earliest to the most recent year, reported as an increase (↑), decrease (↓), or no change (↔) and follows the color coding described previously. Kitsap County trend lines can have multiple segments indicated by a change in color, a thin vertical line across a purple trend line indicates a statistical change in trend. A recent year statistical comparison between Kitsap and Washington is reported as better or worse, higher or lower, or same and also follows the color coding described previously. N/A indicates insufficient data were available for a trend analysis or no WA data for a comparison.

Green line = Statistically better Red line = Statistically worse Purple line = Statistically significant Black line = No statistical change			
Indicator	Kitsap Rate Over Time	Overall	Compared to WA
Fast food restaurant and convenience store density per 100,000 residents ^{1, 25}		↔ Kitsap Trend 2000-2016	Same as WA 2016 Kitsap = 65 per 100,000 WA = 75 per 100,000
<i>Interpretation:</i>	<i>From 2000-2008, Kitsap County had increasing density (statistically worsening trend) of fast food restaurant and convenience stores per 100,000 residents (red line segment); from 2009-2016, the trend was statistically decreasing (improving) (green line segment).</i>	<i>From 2000-16 there was no statistical change.</i>	<i>In 2016, the Kitsap fast food restaurant and convenience store density per 100,000 residents was statistically the same as WA.</i>

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INDICATOR CHANGES FROM THE LAST RELEASE (September 2017)

This 2018 Indicators Report includes several changes:

*A table of population by age group was added to show population change from 2000 to 2017 for Kitsap County.

*Several indicators have been added (new), retired, or revised. These are detailed below.

*Healthy Youth Survey data are not updated as that survey is administered every-other-year.

*There was a major change in hospitalization data - updated to the 10th edition of the International Classification of Diseases (ICD-10-CM). This update includes more detailed codes for classifying hospitalization data. As a result, the data for 2016 onward for injury and chronic disease hospitalizations is not comparable to previous years and a break between 2015 and 2016 will be evident in trend lines for those indicators.

NEW INDICATORS	RETIRED INDICATORS
Age distribution table (Kitsap, WA, Kitsap % Change)	Adults report never having a permanent tooth extracted because of decay or gum disease
Emergency Department Visit Rate for Influenza-Like Illness per 100,000 residents by Influenza Season	Alzheimer's death rate per 100,000 residents
Rate of opioid prescriptions per 100,000 residents	Children in out-of-home care (CPS removals)
Rate of persons living with HIV per 100,000 residents	Chronic Hepatitis C rate per 100,000 residents
Youth (grade 8) report being depressed in the past year	Death rate
	Elevated blood lead tests in children <6 years old
	Firearm death rate per 100,000 residents
	Low-income pregnant/parenting home visit clients report 3+ ACEs

REVISED INDICATORS ↓	...REPLACING...	FORMER INDICATORS ↓
Pregnancy rate per 1,000 women (ages 15-44)		Birth rate per 1,000 women (ages 15-44)
Women who gave birth with more than high school education		Civilian pregnant women with more than high school education
Women giving birth who smoked any time during pregnancy or in the 3 months before pregnancy		Civilian women report smoking during pregnancy
Civilian pregnant women start prenatal care in the first trimester		Medicaid-insured civilian women start prenatal care in the first trimester and Non-Medicaid civilian women start prenatal care
Adults aged 25+ with more than high school education		Adults aged 25-64 with more than high school education
Civilian adults aged 19-64 report having health insurance		Civilian adults aged 18-64 report having health insurance
Average number of days a fresh water beach is closed per year due to an advisory for illness, cyanobacteria (blue-green algae), or elevated bacteria levels		Days without an advisory issued for illness, cyanobacteria (blue-green algae), or elevated bacteria levels in lakes
Average number of days a marine water beach is closed per year due to an advisory for sewage spills, sewer pipe breaks and elevated bacteria levels		Days without an advisory issued for sewage spills and elevated bacteria levels in marine water
Drug overdose hospitalization rate per 100,000 residents (nonfatal, age-adjusted)		Drug-related hospitalization (nonfatal) rate per 100,000 residents
Opioid overdose hospitalization rate per 100,000 residents (nonfatal, age-adjusted)		Opioid drug-related hospitalization (nonfatal) rate per 100,000 residents
Drug overdose death rate per 100,000 residents (age-adjusted)		Drug-related death rate per 100,000 residents (age-adjusted)
Opioid overdose death rate per 100,000 residents (age-adjusted)		Opioid drug-related death rate per 100,000 residents (age-adjusted)

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This list includes change in trend over time (A) or comparison (B) to WA for indicators that did not have method or source revision compared to last release.

A. CHANGES IN INDICATOR STATISTICAL TREND FROM LAST RELEASE (September 2017)

Residents living below 100% of poverty	Increase to no change
Households spending 30% or more of monthly income on housing costs	No change to decrease
Population enrolled in Medicaid	No change to increase
Adults report mental distress (14 or more days of poor mental health during the past 30 days)	Decrease to no change
Kitsap resident workers who walk or bike to work	Increase to no change

B. CHANGES IN COMPARISON OF KITSAP TO WASHINGTON FROM LAST RELEASE (September 2017)

Children ages 3-4 enrolled in early education programs	Higher to same
Residents experiencing food insecurity	Better to worse
Households spending 30% or more of monthly income on housing costs	Better to same
Population enrolled in Medicare	Higher to same
Births to women diagnosed with gestational diabetes during pregnancy	Same to better
Kitsap resident workers who walk or bike to work	Better to same
Adults report 1 or more hours of physical activity on average each day per week	Same to better

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DEMOGRAPHIC PROFILE

	Kitsap County		
	Earliest Year (2000)	Recent Year (2018)	Percent Change
	# (%)	# (%)	%
Kitsap County Total Population ¹	231,969	267,120	15%
Unincorporated	159,896 (69%)	176,290 (66%)	10%
Incorporated	72,073 (31%)	90,830 (34%)	26%
Bainbridge Island ^a	20,308 (28%)	24,320 (27%)	20%
Bremerton ^a	37,259 (52%)	41,500 (46%)	11%
Port Orchard ^a	7,693 (11%)	14,160 (16%)	84%
Poulsbo ^a	6,813 (9%)	10,850 (12%)	59%

a. Proportion is of the incorporated population; not the total population.

	Kitsap County			Washington State
	Earliest Year (2000)	Recent Year (2017)	Percent Change	2017
Population by Race/Ethnicity ¹	# (%)	# (%)	%	%
White, Non-Hispanic	191,937 (83%)	202,708 (77%)	6%	69%
Black or African American, Non-Hispanic	6,581 (3%)	7,296 (3%)	11%	4%
American Indian and Alaska Native, Non-Hispanic	3,534 (2%)	3,629 (1%)	3%	1%
Asian, Non-Hispanic	10,200 (4%)	13,984 (5%)	37%	8%
Native Hawaiian and Other Pacific Islander, Non-Hispanic	1,723 (1%)	2,525 (1%)	47%	1%
Two or more races, Non-Hispanic	8,385 (4%)	14,939 (6%)	78%	4%
Hispanic or Latino	9,609 (4%)	19,219 (7%)	100%	13%

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

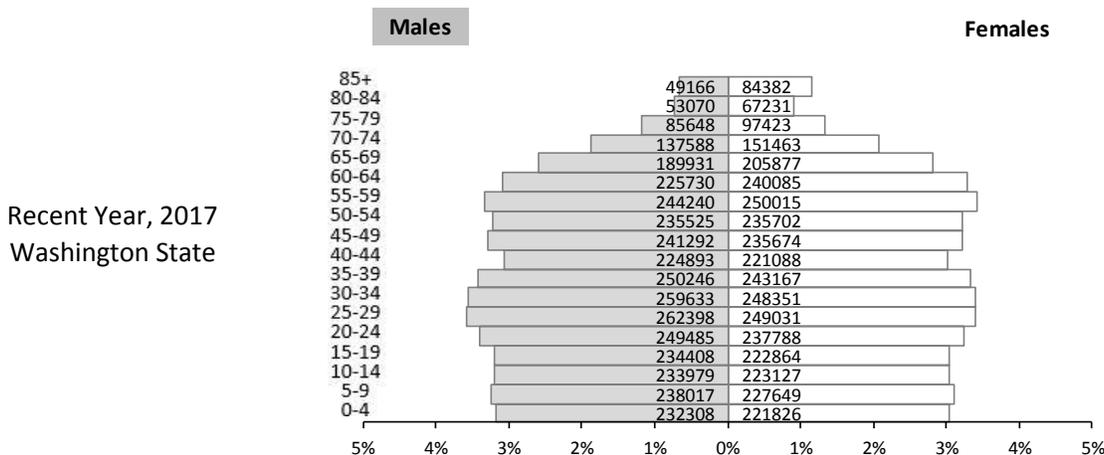
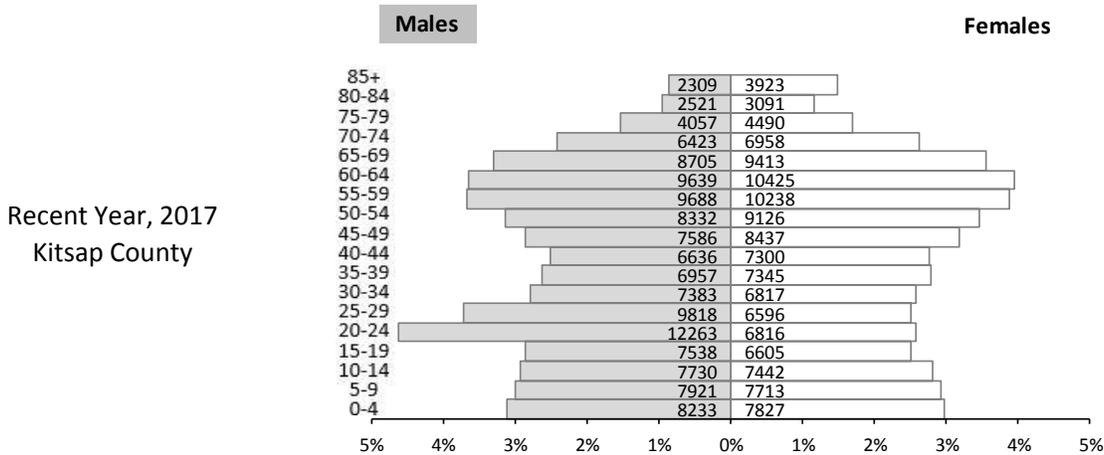
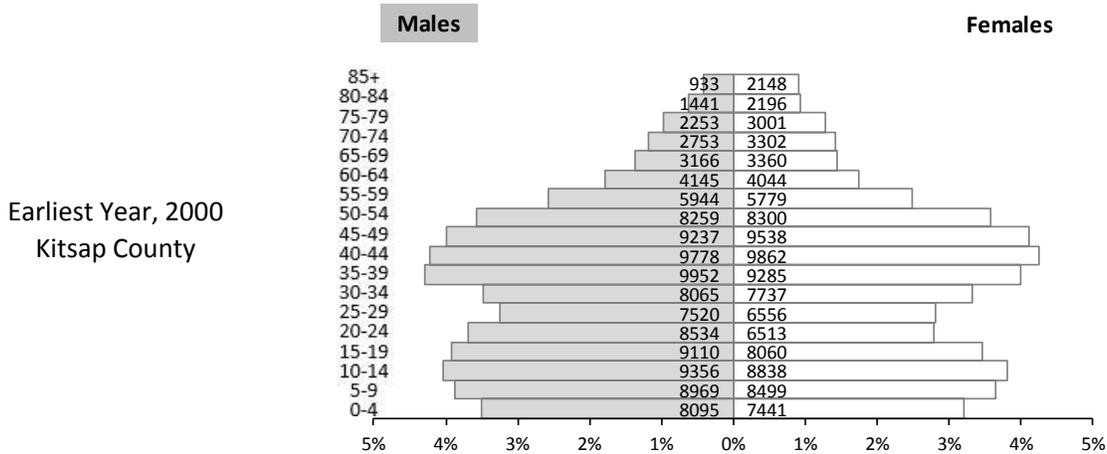
December 2018

	Kitsap County			Washington State
	Earliest Year (2000)	Recent Year (2017)	Percent Change	2017
Population by Age Group ¹	# (%)	# (%)	%	%
Ages 0-4	15,536 (7%)	16,060 (6%)	3%	6%
Ages 5-9	17,468 (8%)	15,635 (6%)	-10%	6%
Ages 10-14	18,194 (8%)	15,171 (6%)	-17%	6%
Ages 15-19	17,170 (7%)	14,143 (5%)	-18%	6%
Ages 20-24	15,047 (6%)	19,079 (7%)	27%	7%
Ages 25-29	14,076 (6%)	16,414 (6%)	17%	7%
Ages 30-34	15,802 (7%)	14,200 (5%)	-10%	7%
Ages 35-39	19,237 (8%)	14,302 (5%)	-26%	7%
Ages 40-44	19,640 (8%)	13,935 (5%)	-29%	6%
Ages 45-49	18,775 (8%)	16,022 (6%)	-15%	7%
Ages 50-54	16,559 (7%)	17,458 (7%)	5%	6%
Ages 55-59	11,723 (5%)	19,926 (8%)	70%	7%
Ages 60-64	8,189 (4%)	20,064 (8%)	145%	6%
Ages 65-69	6,526 (3%)	18,117 (7%)	178%	5%
Ages 70-74	6,055 (3%)	13,382 (5%)	121%	4%
Ages 75-79	5,254 (2%)	8,547 (3%)	63%	3%
Ages 80-84	3,637 (2%)	5,612 (2%)	54%	2%
Ages 85 and older	3,081 (1%)	6,233 (2%)	102%	2%

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POPULATION BY AGE GROUP AND GENDER ¹



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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
PREGNANCY AND DEATH RATES			
Pregnancy rate per 1,000 women (ages 15-44)* ³		↔ Kitsap Trend 2000-2016	Higher than WA 2016 Kitsap = 88 per 1,000 WA = 77 per 1,000
Infant mortality rate per 1,000 live births ⁵		↔ Kitsap Trend 2000-02-2014-16	Same as WA 2014-16 Kitsap = 4.4 per 1,000 WA = 4.5 per 1,000
Premature death rate per 100,000 residents (<75 years old; age-adjusted) ⁶		↓ Kitsap Trend 2000-2017	Better than WA 2017 Kitsap = 269 per 100,000 WA = 293 per 100,000

* Vertical line in pregnancy rate per 1,000 women (ages 15-44) trend line indicates two distinct statistically significant trends, 2000-2012 (decreasing) and 2013-2017 (increasing).

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I. WHO ARE WE?

Green = Statistically better | Red = Statistically worse | Purple = Statistically significant | Black = No statistical change

Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
EDUCATION			
Children ages 3-4 enrolled in early education programs ⁸		↔ Kitsap Trend 2005-2017	Same as WA 2017 Kitsap = 43% WA = 44%
High school graduation rate (adjusted 5-year cohort) ⁹		↔ Kitsap Trend 2010-11 - 2016-17	Better than WA 2016-17 Kitsap = 86% WA = 82%
Adults aged 25 and older with more than high school education ⁸		↔ Kitsap Trend 2005-2017	Same as WA 2017 Kitsap = 72% WA = 69%
Women who gave birth with more than high school education ⁴		↑ Kitsap Trend 2000-2017	Better than WA 2017 Kitsap = 70% WA = 67%
EMPLOYMENT			
Civilian adults currently employed ¹¹		↔ Kitsap Trend 2000-2017	Worse than WA 2017 Kitsap = 95.1% WA = 95.3%

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
ECONOMIC WELL-BEING			
Residents living below 100% of poverty ^{b,8}		↔ Kitsap Trend 2005-2017	Better than WA 2017 Kitsap = 7.8% WA = 11.0%
Youth (age 5-17) living below 100% of poverty ^{b,8}		↔ Kitsap Trend 2005-2017	Better than WA 2017 Kitsap = 9% WA = 14%
Older adults (age 65 and older) living below 100% of poverty ^{b,8}		↔ Kitsap Trend 2005-2017	Better than WA 2017 Kitsap = 6% WA = 8%
Residents experiencing food insecurity ¹²		↓ Kitsap Trend 2012-2016	Worse than WA 2016 Kitsap = 12.4% WA = 12.0%
Public school students (grades K-12) enrolled in free or reduced lunch program * ^{c,9}		↑ Kitsap Trend 2000-2017	Lower than WA 2017 Kitsap = 32% WA = 42%

b. A family of four earning \$19,350 or less in 2005 or \$24,600 or less in 2017 was living in poverty.

c. Eligibility for free or reduced lunch is ≤185% of poverty; a family of four earning \$31,543 in 2000 or \$45,510 in 2017 was living at 185% of poverty. Data is from October of each year.

* Vertical line in public school students enrolled in free or reduced lunch trend line indicates two distinct statistically significant trends, 2000-01 to 2013-14 (increasing) and 2014-15 to 2017-18 (decreasing).

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Civilian births paid by Medicaid ^{d,4}		↑ Kitsap Trend 2000-2017	Lower than WA 2017 Kitsap = 38% WA = 41%
Households spending 30% or more of monthly income on housing costs ^{e,8}		↓ Kitsap Trend 2005-2017	Same as WA 2017 Kitsap = 30% WA = 33%
Individuals currently or imminently experiencing homelessness and seeking housing ¹³		↔ Kitsap Trend 2011-2017	N/A
Public school students experiencing homelessness (age 5-17) ¹⁰		↑ Kitsap Trend 2006-07 - 2016-17	Better than WA 2016-17 Kitsap = 3% WA = 4%
HEALTH CARE ACCESS			
Civilian adults aged 19-64 report having health insurance* ⁸		Kitsap Trend N/A	Better than WA 2017 Kitsap = 95% WA = 91%

d. Eligibility for Medicaid is ≤138% of poverty; a family of four earning \$24,357 in 2000 or \$33,948 in 2017 was living at 138% of poverty.

e. Renters and home owners combined; separately: 17% of renters and 15% of home owners spend more than 30% of monthly income on housing costs

* The United States Census Bureau changed the age band from 18-64 years old to 19-64 years old for 2017 data.

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* Question was not asked in 2013

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Babies born at low birth weight (<2500 grams)* ⁴	<table border="1"> <caption>Babies born at low birth weight (<2500 grams)</caption> <thead> <tr> <th>Year</th> <th>Rate (%)</th> </tr> </thead> <tbody> <tr><td>2000</td><td>5%</td></tr> <tr><td>2001</td><td>5%</td></tr> <tr><td>2002</td><td>5%</td></tr> <tr><td>2003</td><td>5%</td></tr> <tr><td>2004</td><td>5%</td></tr> <tr><td>2005</td><td>5%</td></tr> <tr><td>2006</td><td>5%</td></tr> <tr><td>2007</td><td>5%</td></tr> <tr><td>2008</td><td>5%</td></tr> <tr><td>2009</td><td>5%</td></tr> <tr><td>2010</td><td>5%</td></tr> <tr><td>2011</td><td>5%</td></tr> <tr><td>2012</td><td>5%</td></tr> <tr><td>2013</td><td>5%</td></tr> <tr><td>2014</td><td>5%</td></tr> <tr><td>2015</td><td>5%</td></tr> <tr><td>2016</td><td>5%</td></tr> <tr><td>2017</td><td>6%</td></tr> </tbody> </table>	Year	Rate (%)	2000	5%	2001	5%	2002	5%	2003	5%	2004	5%	2005	5%	2006	5%	2007	5%	2008	5%	2009	5%	2010	5%	2011	5%	2012	5%	2013	5%	2014	5%	2015	5%	2016	5%	2017	6%	↔ Kitsap Trend 2000-2017	Same as WA 2017 Kitsap = 6% WA = 7%
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Adults report their general health is excellent, very good, or good during the past 30 days ¹⁴	<table border="1"> <caption>Adults report their general health is excellent, very good, or good during the past 30 days</caption> <thead> <tr> <th>Year</th> <th>Rate (%)</th> </tr> </thead> <tbody> <tr><td>2011</td><td>83.6%</td></tr> <tr><td>2012</td><td>83.6%</td></tr> <tr><td>2013</td><td>83.6%</td></tr> <tr><td>2014</td><td>83.6%</td></tr> <tr><td>2015</td><td>83.6%</td></tr> <tr><td>2016</td><td>83.6%</td></tr> <tr><td>2017</td><td>84.1%</td></tr> </tbody> </table>	Year	Rate (%)	2011	83.6%	2012	83.6%	2013	83.6%	2014	83.6%	2015	83.6%	2016	83.6%	2017	84.1%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 84.1% WA = 84.0%																						
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Adults report activities not limited by poor physical or mental health during the past 30 days ¹⁴	<table border="1"> <caption>Adults report activities not limited by poor physical or mental health during the past 30 days</caption> <thead> <tr> <th>Year</th> <th>Rate (%)</th> </tr> </thead> <tbody> <tr><td>2011</td><td>43%</td></tr> <tr><td>2012</td><td>43%</td></tr> <tr><td>2013</td><td>43%</td></tr> <tr><td>2014</td><td>43%</td></tr> <tr><td>2015</td><td>43%</td></tr> <tr><td>2016</td><td>43%</td></tr> <tr><td>2017</td><td>53%</td></tr> </tbody> </table>	Year	Rate (%)	2011	43%	2012	43%	2013	43%	2014	43%	2015	43%	2016	43%	2017	53%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 52.9% WA = 52.9%																						
Year	Rate (%)																																								
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Older adult (age 65 and older) fall-related hospitalization (fatal and nonfatal) rate per 100,000 residents ^{2,^}	<table border="1"> <caption>Older adult (age 65 and older) fall-related hospitalization (fatal and nonfatal) rate per 100,000 residents</caption> <thead> <tr> <th>Year</th> <th>Rate per 100,000</th> </tr> </thead> <tbody> <tr><td>2000</td><td>1,667</td></tr> <tr><td>2001</td><td>1,667</td></tr> <tr><td>2002</td><td>1,667</td></tr> <tr><td>2003</td><td>1,667</td></tr> <tr><td>2004</td><td>1,667</td></tr> <tr><td>2005</td><td>1,667</td></tr> <tr><td>2006</td><td>1,667</td></tr> <tr><td>2007</td><td>1,667</td></tr> <tr><td>2008</td><td>1,667</td></tr> <tr><td>2009</td><td>1,667</td></tr> <tr><td>2010</td><td>1,667</td></tr> <tr><td>2011</td><td>1,667</td></tr> <tr><td>2012</td><td>1,667</td></tr> <tr><td>2013</td><td>1,667</td></tr> <tr><td>2014</td><td>1,667</td></tr> <tr><td>2015</td><td>1,667</td></tr> <tr><td>2016</td><td>1,667</td></tr> <tr><td>2017</td><td>1,476</td></tr> </tbody> </table>	Year	Rate per 100,000	2000	1,667	2001	1,667	2002	1,667	2003	1,667	2004	1,667	2005	1,667	2006	1,667	2007	1,667	2008	1,667	2009	1,667	2010	1,667	2011	1,667	2012	1,667	2013	1,667	2014	1,667	2015	1,667	2016	1,667	2017	1,476	Kitsap Trend N/A	Better than WA 2017 Kitsap = 1,476 per 100,000 WA = 1,977 per 100,000
Year	Rate per 100,000																																								
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[^] Data are coded different in 2016-17 and are not comparable to previous years data.

* Prior year's report indicator data were for civilian only, but indicator label did not specify as such. All data years 2000-2017 are updated to include all births.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change																			
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA																
EMOTIONAL WELL-BEING																			
Youth (grade 6) report being bullied in the last month ¹⁵	<table border="1"> <caption>Bullying Rates (Grade 6)</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2006</td><td>27%</td></tr> <tr><td>2008</td><td>28%</td></tr> <tr><td>2010</td><td>29%</td></tr> <tr><td>2012</td><td>28%</td></tr> <tr><td>2014</td><td>29%</td></tr> <tr><td>2016</td><td>26%</td></tr> </tbody> </table>	Year	Rate (%)	2006	27%	2008	28%	2010	29%	2012	28%	2014	29%	2016	26%	↔ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 26% WA = 28%		
Year	Rate (%)																		
2006	27%																		
2008	28%																		
2010	29%																		
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2014	29%																		
2016	26%																		
Youth (grade 8) report being depressed in the past year ¹⁵	<table border="1"> <caption>Depression Rates (Grade 8)</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2006</td><td>25%</td></tr> <tr><td>2008</td><td>24%</td></tr> <tr><td>2010</td><td>24%</td></tr> <tr><td>2012</td><td>27%</td></tr> <tr><td>2014</td><td>27%</td></tr> <tr><td>2016</td><td>30%</td></tr> </tbody> </table>	Year	Rate (%)	2006	25%	2008	24%	2010	24%	2012	27%	2014	27%	2016	30%	↑ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 30% WA = 29%		
Year	Rate (%)																		
2006	25%																		
2008	24%																		
2010	24%																		
2012	27%																		
2014	27%																		
2016	30%																		
Youth (grade 8) report having adults they can turn to for help when feeling sad or hopeless ¹⁵	<table border="1"> <caption>Support Rates (Grade 8)</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2006</td><td>65%</td></tr> <tr><td>2008</td><td>66%</td></tr> <tr><td>2010</td><td>66%</td></tr> <tr><td>2012</td><td>63%</td></tr> <tr><td>2014</td><td>64%</td></tr> <tr><td>2016</td><td>65%</td></tr> </tbody> </table>	Year	Rate (%)	2006	65%	2008	66%	2010	66%	2012	63%	2014	64%	2016	65%	↔ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 65% WA = 64%		
Year	Rate (%)																		
2006	65%																		
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2010	66%																		
2012	63%																		
2014	64%																		
2016	65%																		
Adults report that they and people in their community do favors for each other often or very often* ¹⁴	<table border="1"> <caption>Favor Rates</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2012</td><td>53%</td></tr> <tr><td>2013</td><td>53%</td></tr> <tr><td>2014</td><td>54%</td></tr> <tr><td>2015</td><td>54%</td></tr> <tr><td>2016</td><td>51%</td></tr> </tbody> </table>	Year	Rate (%)	2012	53%	2013	53%	2014	54%	2015	54%	2016	51%	Kitsap Trend N/A	Same as WA 2016 Kitsap = 51% WA = 44%				
Year	Rate (%)																		
2012	53%																		
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2014	54%																		
2015	54%																		
2016	51%																		
Adults report mental distress (14 or more days of poor mental health during the past 30 days) ¹⁴	<table border="1"> <caption>Mental Distress Rates</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2011</td><td>15.4%</td></tr> <tr><td>2012</td><td>14%</td></tr> <tr><td>2013</td><td>13%</td></tr> <tr><td>2014</td><td>14%</td></tr> <tr><td>2015</td><td>11%</td></tr> <tr><td>2016</td><td>9%</td></tr> <tr><td>2017</td><td>14.6%</td></tr> </tbody> </table>	Year	Rate (%)	2011	15.4%	2012	14%	2013	13%	2014	14%	2015	11%	2016	9%	2017	14.6%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 15% WA = 12%
Year	Rate (%)																		
2011	15.4%																		
2012	14%																		
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2015	11%																		
2016	9%																		
2017	14.6%																		

* Question was not asked in 2015

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change			
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Youth (grade 8) report seriously considering attempting suicide during the past 12 months ¹⁵		↑ Kitsap Trend 2006-2016	Worse than WA 2016 Kitsap = 20% WA = 17%
Suicide-related hospitalization (nonfatal) rate per 100,000 residents ²		Kitsap Trend N/A	Better than WA 2017 Kitsap = 40 per 100,000 WA = 51 per 100,000
Suicide-related death rate per 100,000 residents (age-adjusted) ⁶		↔ Kitsap Trend 2000-2017	Same as WA 2017 Kitsap = 17.2 per 100,000 WA = 17.1 per 100,000
ADVERSE CHILDHOOD EXPERIENCES (ACEs)			
Youth (grades 8, 10, 12) report ever being physically hurt on purpose by an adult ¹⁵		Kitsap Trend N/A	Same as WA 2016 Kitsap = 22.2% WA = 21.9%
Youth (grades 8, 10, 12) report parent(s) do not set clear rules or are not engaged in details of daily life ^{f,15}		↓ Kitsap Trend 2006-2016	Better than WA 2016 Kitsap = 31% WA = 33%

* Question was not asked in 2015

f. Parents do not ask if their student have finished their homework; parents would not know if their student did not come home on time, parents would not know where their student is and who they are with; rules in the student's family are not clear.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Youth (grades 8, 10, 12) report opportunities for positive participation in the family setting ^{g,15}		↔ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 61.2% WA = 60.6%
COMMUNICABLE DISEASE AND NOTIFIABLE CONDITIONS			
Toddlers (age 19-35 months) with complete immunizations ¹⁷		↑ Kitsap Trend 2014-2017	Worse than WA 2017 Kitsap = 52% WA = 60%
Kindergarten children with complete immunizations ^{h,18}		↓ Kitsap Trend 2000-01 - 2017-18	Better than WA 2017-18 Kitsap = 89% WA = 86%
Adults with influenza vaccine in the past year ¹⁴		↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 47% WA = 44%
Emergency Department Visit Rate for Influenza-Like Illness per 100,000 residents by Influenza Season ³¹		↔ Kitsap Trend 2014-15 - 2017-18	N/A

g. Student can discuss problems with parents; student has chances for fun with parents; student is involved in family decisions.

h. Kindergarten children exempt from immunizations: 2000-01, 3%; 2016-17, 5%; statistically more children were exempt in 2016-17 compared to 2000-01.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change			
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Chlamydia rate per 100,000 residents ^{1,7}	<p>Rate per 100,000</p> <p>2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017</p> <p>236 418</p>	<p>↑</p> <p>Kitsap Trend 2000-2017</p>	<p>Better than WA 2017 Kitsap = 418 per 100,000 WA = 444 per 100,000</p>
Gonorrhea rate per 100,000 residents ^{1,7}	<p>Rate per 100,000</p> <p>2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017</p> <p>59 104</p>	<p>↔</p> <p>Kitsap Trend 2000-2017</p>	<p>Better than WA 2017 Kitsap = 104 per 100,000 WA = 137 per 100,000</p>
Syphilis rate per 100,000 residents ^{1,7}	<p>Rate per 100,000</p> <p>2004-05 2006-07 2008-09 2010-11 2012-13 2014-15 2016-17</p> <p>5 9</p>	<p>↑</p> <p>Kitsap Trend 2004-05 - 2016-17</p>	<p>Better than WA 2016-17 Kitsap = 9 per 100,000 WA = 21 per 100,000</p>
HIV rate per 100,000 residents (incidence) ³⁰	<p>Rate per 100,000</p> <p>2000-01 2002-03 2004-05 2006-07 2008-09 2010-11 2012-13 2014-15 2016-17</p> <p>4 4</p> <p>n<10</p>	<p>Kitsap Trend N/A</p>	<p>Better than WA 2016-17 Kitsap = 4 per 100,000 WA = 6 per 100,000</p>
Rate of persons living with HIV per 100,000 residents (prevalence) ³⁰	<p>Rate per 100,000</p> <p>2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017</p> <p>57 116</p>	<p>↑</p> <p>Kitsap Trend 2000-2017</p>	<p>Lower than WA 2017 Kitsap = 116 per 100,000 WA = 177 per 100,000</p>

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change			
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Syringes exchanged through Kitsap Public Health District ¹⁹		<p>↑ Kitsap Trend 2008-2017</p>	N/A
Routine food establishment inspections resulting in two or more red violations with FDA risks ^{i,20}		<p>↔ Kitsap Trend 2010-2017</p>	N/A
CHRONIC DISEASE			
Adults ever told by a health care provider that they have high blood pressure* ¹⁴		<p>↔ Kitsap Trend 2011-2017</p>	<p>Same as WA 2017 Kitsap = 32% WA = 30%</p>
Adults ever told by a health care provider that they have cardiovascular disease ¹⁴		<p>↔ Kitsap Trend 2011-2017</p>	<p>Same as WA 2017 Kitsap = 6% WA = 8%</p>
Heart disease hospitalization (fatal and nonfatal) rate per 100,000 residents ^{2^}		<p>Kitsap Trend N/A</p>	<p>Better than WA 2017 Kitsap = 461 per 100,000 WA = 526 per 100,000</p>

i. A red violation indicates high risk for food contamination threats to human health.

* Question was not asked in 2012, 2014, and 2016

^ Data are coded different in 2016-17 and are not comparable to previous years data.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA																						
Adults ever told by a health care provider that they have diabetes ¹⁴	<table border="1" style="display: none;"> <caption>Kitsap Rate Over Time: Adults ever told by a health care provider that they have diabetes</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2011</td><td>9%</td></tr> <tr><td>2012</td><td>~9%</td></tr> <tr><td>2013</td><td>~8%</td></tr> <tr><td>2014</td><td>~10%</td></tr> <tr><td>2015</td><td>~9%</td></tr> <tr><td>2016</td><td>~8%</td></tr> <tr><td>2017</td><td>7%</td></tr> </tbody> </table>	Year	Rate (%)	2011	9%	2012	~9%	2013	~8%	2014	~10%	2015	~9%	2016	~8%	2017	7%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 7% WA = 9%						
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Births to women diagnosed with gestational diabetes during pregnancy ⁴	<table border="1" style="display: none;"> <caption>Kitsap Rate Over Time: Births to women diagnosed with gestational diabetes during pregnancy</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2000</td><td>2.7%</td></tr> <tr><td>2002</td><td>~3%</td></tr> <tr><td>2004</td><td>~4%</td></tr> <tr><td>2006</td><td>~4%</td></tr> <tr><td>2008</td><td>~5%</td></tr> <tr><td>2010</td><td>~5%</td></tr> <tr><td>2012</td><td>~6%</td></tr> <tr><td>2014</td><td>~6%</td></tr> <tr><td>2016</td><td>~7%</td></tr> <tr><td>2017</td><td>7.0%</td></tr> </tbody> </table>	Year	Rate (%)	2000	2.7%	2002	~3%	2004	~4%	2006	~4%	2008	~5%	2010	~5%	2012	~6%	2014	~6%	2016	~7%	2017	7.0%	↑ Kitsap Trend 2000-2017	Better than WA 2017 Kitsap = 7% WA = 9%
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Diabetes-related hospitalization (fatal and nonfatal) rate per 100,000 residents ^{2^A}	<table border="1" style="display: none;"> <caption>Kitsap Rate Over Time: Diabetes-related hospitalization rate per 100,000 residents</caption> <thead> <tr><th>Year</th><th>Rate per 100,000</th></tr> </thead> <tbody> <tr><td>2000</td><td>1,065</td></tr> <tr><td>2002</td><td>~1,200</td></tr> <tr><td>2004</td><td>~1,150</td></tr> <tr><td>2006</td><td>~1,300</td></tr> <tr><td>2008</td><td>~1,400</td></tr> <tr><td>2010</td><td>~1,250</td></tr> <tr><td>2012</td><td>~1,100</td></tr> <tr><td>2014</td><td>~1,050</td></tr> <tr><td>2016</td><td>~1,070</td></tr> <tr><td>2017</td><td>1,083</td></tr> </tbody> </table>	Year	Rate per 100,000	2000	1,065	2002	~1,200	2004	~1,150	2006	~1,300	2008	~1,400	2010	~1,250	2012	~1,100	2014	~1,050	2016	~1,070	2017	1,083	Kitsap Trend N/A	Better than WA 2017 Kitsap = 1,083 per 100,000 WA = 1,259 per 100,000
Year	Rate per 100,000																								
2000	1,065																								
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2017	1,083																								

III. HOW HEALTHY ARE OUR LIFESTYLES AND BEHAVIORS?

WEIGHT MANAGEMENT

Adults at a healthy weight (BMI=18.5-24.9) ¹⁴	<table border="1" style="display: none;"> <caption>Kitsap Rate Over Time: Adults at a healthy weight</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2011</td><td>39.9%</td></tr> <tr><td>2012</td><td>~36%</td></tr> <tr><td>2013</td><td>~37%</td></tr> <tr><td>2014</td><td>~37%</td></tr> <tr><td>2015</td><td>~38%</td></tr> <tr><td>2016</td><td>~39%</td></tr> <tr><td>2017</td><td>40.2%</td></tr> </tbody> </table>	Year	Rate (%)	2011	39.9%	2012	~36%	2013	~37%	2014	~37%	2015	~38%	2016	~39%	2017	40.2%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 40.2% WA = 38.7%
Year	Rate (%)																		
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2012	~36%																		
2013	~37%																		
2014	~37%																		
2015	~38%																		
2016	~39%																		
2017	40.2%																		
Youth (grade 8) at a healthy weight (BMI below 85th percentile)* ¹⁵	<table border="1" style="display: none;"> <caption>Kitsap Rate Over Time: Youth (grade 8) at a healthy weight</caption> <thead> <tr><th>Year</th><th>Rate (%)</th></tr> </thead> <tbody> <tr><td>2006</td><td>73%</td></tr> <tr><td>2008</td><td>~71%</td></tr> <tr><td>2010</td><td>~74%</td></tr> <tr><td>2012</td><td>~74%</td></tr> <tr><td>2014</td><td>~72%</td></tr> <tr><td>2016</td><td>70%</td></tr> </tbody> </table>	Year	Rate (%)	2006	73%	2008	~71%	2010	~74%	2012	~74%	2014	~72%	2016	70%	↔ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 70% WA = 69%		
Year	Rate (%)																		
2006	73%																		
2008	~71%																		
2010	~74%																		
2012	~74%																		
2014	~72%																		
2016	70%																		

* The Healthy Youth Survey started to identify underweight as a BMI category; estimates now account for this.

^A Data are coded different in 2016-17 and are not comparable to previous years data.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change																	
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA														
PHYSICAL ACTIVITY AND NUTRITION																	
Adults report 1 or more hours of physical activity on average each day per week* ¹⁴	<table border="1"> <caption>Physical Activity in Adults (2011-2017)</caption> <tr><th>Year</th><th>Rate (%)</th></tr> <tr><td>2011</td><td>40%</td></tr> <tr><td>2013</td><td>~38%</td></tr> <tr><td>2015</td><td>~41%</td></tr> <tr><td>2017</td><td>43%</td></tr> </table>	Year	Rate (%)	2011	40%	2013	~38%	2015	~41%	2017	43%	↔ Kitsap Trend 2011-2017	Better than WA 2017 Kitsap = 43% WA = 36%				
Year	Rate (%)																
2011	40%																
2013	~38%																
2015	~41%																
2017	43%																
Youth (grade 8) report 1 or more hours of physical activity five or more days per week ¹⁵	<table border="1"> <caption>Physical Activity in Youth (2006-2016)</caption> <tr><th>Year</th><th>Rate (%)</th></tr> <tr><td>2006</td><td>42%</td></tr> <tr><td>2008</td><td>~40%</td></tr> <tr><td>2010</td><td>~50%</td></tr> <tr><td>2012</td><td>~60%</td></tr> <tr><td>2014</td><td>58%</td></tr> <tr><td>2016</td><td>58%</td></tr> </table>	Year	Rate (%)	2006	42%	2008	~40%	2010	~50%	2012	~60%	2014	58%	2016	58%	↑ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 58.4% WA = 58.5%
Year	Rate (%)																
2006	42%																
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Youth (grade 8) report 2 hours or less of screen time ^j for fun on school days ¹⁵	<table border="1"> <caption>Screen Time in Youth (2006-2016)</caption> <tr><th>Year</th><th>Rate (%)</th></tr> <tr><td>2006</td><td>79%</td></tr> <tr><td>2008</td><td>~80%</td></tr> <tr><td>2010</td><td>~80%</td></tr> <tr><td>2012</td><td>~82%</td></tr> <tr><td>2014</td><td>~78%</td></tr> <tr><td>2016</td><td>77%</td></tr> </table>	Year	Rate (%)	2006	79%	2008	~80%	2010	~80%	2012	~82%	2014	~78%	2016	77%	↔ Kitsap Trend 2006-2016	Same as WA 2016 Kitsap = 76.8% WA = 77.4%
Year	Rate (%)																
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Youth (grade 8) report eating 5 or more fruits/vegetables daily** ¹⁵	<table border="1"> <caption>Fruit and Vegetable Consumption in Youth (2006-2016)</caption> <tr><th>Year</th><th>Rate (%)</th></tr> <tr><td>2006</td><td>30%</td></tr> <tr><td>2008</td><td>~30%</td></tr> <tr><td>2010</td><td>~28%</td></tr> <tr><td>2012</td><td>~28%</td></tr> <tr><td>2014</td><td>~24%</td></tr> <tr><td>2016</td><td>22%</td></tr> </table>	Year	Rate (%)	2006	30%	2008	~30%	2010	~28%	2012	~28%	2014	~24%	2016	22%	Kitsap Trend N/A	Same as WA 2016 Kitsap = 22% WA = 23%
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Youth (grade 8) report drinking no sugary beverages in past 7 days at school ¹⁵	<table border="1"> <caption>No Sugary Beverages in Youth (2006-2016)</caption> <tr><th>Year</th><th>Rate (%)</th></tr> <tr><td>2006</td><td>29%</td></tr> <tr><td>2008</td><td>~35%</td></tr> <tr><td>2010</td><td>~35%</td></tr> <tr><td>2012</td><td>~38%</td></tr> <tr><td>2014</td><td>~58%</td></tr> <tr><td>2016</td><td>66%</td></tr> </table>	Year	Rate (%)	2006	29%	2008	~35%	2010	~35%	2012	~38%	2014	~58%	2016	66%	↑ Kitsap Trend 2006-2016	Better than WA 2016 Kitsap = 66% WA = 61%
Year	Rate (%)																
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2016	66%																

* Question was not asked in 2012, 2014, and 2016

j. Watching TV, videos or DVDs, playing video games, or using a computer.

** Question was not asked in 2010

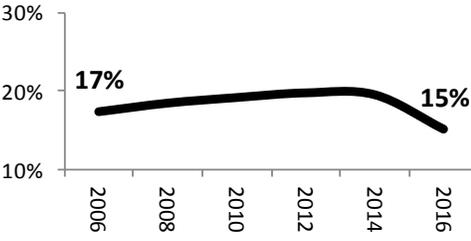
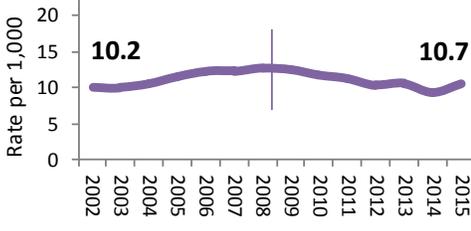
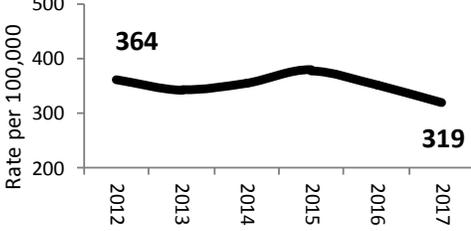
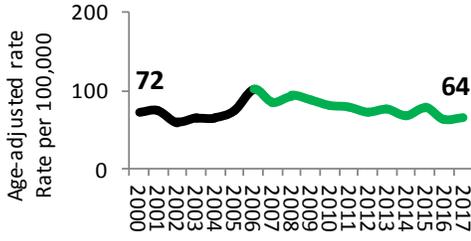
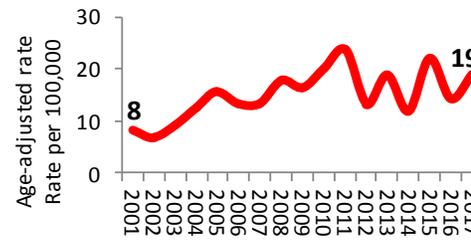
KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change																																									
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SUBSTANCE USE																																									
Adults report currently smoking ¹⁴	<table border="1"> <caption>Adults report currently smoking</caption> <thead> <tr> <th>Year</th> <th>Rate (%)</th> </tr> </thead> <tbody> <tr><td>2011</td><td>18%</td></tr> <tr><td>2012</td><td>20%</td></tr> <tr><td>2013</td><td>18%</td></tr> <tr><td>2014</td><td>15%</td></tr> <tr><td>2015</td><td>18%</td></tr> <tr><td>2016</td><td>12%</td></tr> <tr><td>2017</td><td>16%</td></tr> </tbody> </table>	Year	Rate (%)	2011	18%	2012	20%	2013	18%	2014	15%	2015	18%	2016	12%	2017	16%	↔ Kitsap Trend 2011-2017	Same as WA 2017 Kitsap = 16% WA = 14%																						
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Women giving birth who smoked any time during pregnancy or in the 3 months before pregnancy ⁴	<table border="1"> <caption>Women giving birth who smoked any time during pregnancy or in the 3 months before pregnancy</caption> <thead> <tr> <th>Year</th> <th>Rate (%)</th> </tr> </thead> <tbody> <tr><td>2000</td><td>16%</td></tr> <tr><td>2001</td><td>17%</td></tr> <tr><td>2002</td><td>15%</td></tr> <tr><td>2003</td><td>16%</td></tr> <tr><td>2004</td><td>16%</td></tr> <tr><td>2005</td><td>14%</td></tr> <tr><td>2006</td><td>15%</td></tr> <tr><td>2007</td><td>15%</td></tr> <tr><td>2008</td><td>15%</td></tr> <tr><td>2009</td><td>14%</td></tr> <tr><td>2010</td><td>14%</td></tr> <tr><td>2011</td><td>14%</td></tr> <tr><td>2012</td><td>14%</td></tr> <tr><td>2013</td><td>12%</td></tr> <tr><td>2014</td><td>8%</td></tr> <tr><td>2015</td><td>12%</td></tr> <tr><td>2016</td><td>15%</td></tr> <tr><td>2017</td><td>11%</td></tr> </tbody> </table>	Year	Rate (%)	2000	16%	2001	17%	2002	15%	2003	16%	2004	16%	2005	14%	2006	15%	2007	15%	2008	15%	2009	14%	2010	14%	2011	14%	2012	14%	2013	12%	2014	8%	2015	12%	2016	15%	2017	11%	↓ Kitsap Trend 2000-2017	Worse than WA 2017 Kitsap = 11% WA = 8%
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KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Green = Statistically better Red = Statistically worse Purple = Statistically significant Black = No statistical change			
Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Youth (grade 10) report using marijuana in the past 30 days ¹⁵		↔ Kitsap Trend 2006-2016	Better than WA 2016 Kitsap = 15% WA = 17%
Medicaid funded substance abuse treatment rates per 1,000 residents* ²¹		↔ Kitsap Trend 2002-2015	Same as WA 2015 Kitsap = 10.7 per 1,000 WA = 11.1 per 1,000
Rate of opioid prescriptions per 100,000 residents ²⁷		↔ Kitsap Trend 2012-2017	Same as WA 2017 Kitsap = 319 per 100,000 WA = 322 per 100,000
Drug overdose hospitalization rate per 100,000 residents (nonfatal, age-adjusted) ²⁸		↔ Kitsap Trend 2000-2017	Better than WA 2017 Kitsap = 64 per 100,000 WA = 77 per 100,000
Opioid overdose hospitalization rate per 100,000 residents (nonfatal, age-adjusted) ²⁸		↑ Kitsap Trend 2001-2017	Same as WA 2017 Kitsap = 19 per 100,000 WA = 20 per 100,000

* Vertical line in medicaid funded substance abuse treatment rates per 1,000 residents trend line indicates two distinct statistically significant trends, 2002-2008 (increasing) and 2008-2015 (decreasing).

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Drug overdose death rate per 100,000 residents (age-adjusted) ²⁸		↔ Kitsap Trend 2000-2017	Better than WA 2017 Kitsap = 7 per 100,000 WA = 15 per 100,000
Opioid overdose death rate per 100,000 residents (age-adjusted) ²⁹		↔ Kitsap Trend 2000-02 - 2015-17	Same as WA 2015-17 Kitsap = 9 per 100,000 WA = 10 per 100,000
IV. HOW SAFE AND HEALTHY ARE OUR SURROUNDINGS?			
NATURAL ENVIRONMENT			
Healthy air days (Air Quality Index = Good ^k) <small>l,22,32</small>		↑ Kitsap Trend 2001-2017	Better than WA 2017 Kitsap = 95% WA = 84%
Stagnant air days ^{m,23}		↑ Kitsap Trend 2000-2017	Same as WA 2017 Kitsap = 12% WA = 13%
Extremely hot days ^{n,24}		↔ Kitsap Trend 2001-02- 2016-17	N/A

k. Good is an Air Quality Index (AQI) of 0-15, meaning the air quality is considered satisfactory and air pollution poses little or no risk.

l. Air quality monitoring data from Meadowdale station 2001-2012; Spruce station from 2012-present; and South Kitsap station from 2016-present.

m. Stagnant air is when there are conditions of little to no wind, and no precipitation. These conditions allow for air pollution and ozone to remain close to ground level.

n. Temperatures above approximately 94 degrees is considered extremely hot for Kitsap County.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Fresh water streams meet standards for acceptable levels of fecal coliform bacteria ^{o,24}		<p>↑ Kitsap Trend 2004-2017</p>	N/A
Shoreline miles classified as 'open' for shellfish harvesting ²⁰		<p>↑ Kitsap Trend 2006-2017</p>	N/A
Average number of days a fresh water beach is closed per year due to an advisory for illness, cyanobacteria (blue-green algae), or elevated bacteria levels ²⁰		<p>↑ Kitsap Trend 2006-2017</p>	N/A
Average number of days a marine water beach is closed per year due to an advisory for sewage spills, sewer pipe breaks and elevated bacteria levels ²⁰		<p>↔ Kitsap Trend 2006-2017</p>	N/A
BUILT ENVIRONMENT			
Motor vehicle injury-related hospitalization (fatal and nonfatal) rate per 100,000 residents ^{2^}		<p>Kitsap Trend N/A</p>	<p>Same as WA 2017 Kitsap = 45 per 100,000 WA = 51 per 100,000</p>

o. In 2004, 15% of all streams passed part 1 but failed part 2 and in 2017, 35% of all streams passed part 1 but failed part 2.

^ Data are coded different in 2016-17 and are not comparable to previous years data.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

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Indicator	Kitsap Rate Over Time	Overall Trend	Compared to WA
Fast food restaurant and convenience store density per 100,000 residents ^{1, 25}		↔ Kitsap Trend 2000-2016	Same as WA 2016 Kitsap = 65 per 100,000 WA = 75 per 100,000
Kitsap resident workers who walk or bike to work ⁸		↔ Kitsap Trend 2006-2017	Same as WA 2017 Kitsap = 6% WA = 4%
Youth (grade 8) who walk or bike to school at least one day per week ¹⁵		↔ Kitsap Trend 2006-2016	Worse than WA 2016 Kitsap = 31% WA = 38%
CRIME AND SAFETY			
Group A offense crime rate per 100,000 residents ^{p,1,26}		↓ Kitsap Trend 2012-2017	Better than WA 2017 Kitsap = 5,351 per 100,000 WA = 6,913 per 100,000
Households with firearms that are loaded and unlocked* ^{q,14}		Kitsap Trend N/A	Same as WA 2016 Kitsap = 22% WA = 21%

p. The Group A offenses are major crimes, such as Animal Cruelty, Burglary, Destruction/Damage/Vandalism of Property, Drug/Narcotic Offenses, Homicide, Human Trafficking, Kidnapping/Abduction, Sex Offenses, Stolen Property, and Weapon Law Violations.

q. In 2015, 35% of Kitsap and 33% of WA households report having a firearm in or around the home.

* Question was not asked in 2011, 2012, and 2014

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

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BACKGROUND INFORMATION

INDICATORS

What is an indicator?

An indicator is a measurement that reflects the status of a system, a measure of health status or a health outcome.

Indicator Selection Criteria*:

Worth measuring: indicator measures an important aspect of the public's health

Readily understood by people who need to act: policy makers, community leaders, health care

Compelling enough to lead to action

Able to be improved: feasible actions have been identified and shown to impact the indicator

Trackable over time: defined in such a way that changes over time are likely to reflect interventions rather than changes in definitions

*Institute of Medicine, Leading Health Indicators for Healthy People 2010: Final Report. 1999.

DATA SOURCES

Washington State Office of Financial Management

The Office of Financial Management produces annual population estimates based on Census data by age, gender, race, ethnicity and geography.

Washington State Department of Health Community Health Assessment Tool (CHAT)

The Community Health Assessment Tool (CHAT) is an online repository of public health data maintained by the WA State Department of Health and available to local public health assessment staff. CHAT includes: birth risk factors, cancer incidence, communicable diseases, sexually transmitted diseases, tuberculosis, fertility, hospitalizations, infant mortality, fetal death, life expectancy, mortality, population and pregnancy and abortion data. Sexually transmitted disease cases include only confirmed classification. CHAT also links to an opioid surveillance report.

U.S. Census and American Community Survey

The Census and American Community Survey collect data about population, housing and economy. The Census is conducted every 10 years; the American Community Survey is conducted annually in communities with populations of >60,000.

Washington State Office of the Superintendent of Public Instruction

The Office of the Superintendent of Public Instruction provides high school graduation, students experiencing homelessness, and students eligible for free and reduced-priced meals data. Free/reduced priced meals data have some limitations. First, eligible students might be underrepresented, as those not signed up in October would not be counted. Eligibility status might change during the school year resulting in an under or overestimate of program participants. Children who are not enrolled in school, are home-schooled, or attend private schools were not included.

Vital Statistics Databases

The Kitsap Public Health District maintains vital statistics databases with information about all county resident births and deaths. Data are obtained every year from the Washington State Department of Health. A limitation of vital statistics data is that some information may be missing from the reporting forms and therefore from the database. Death data are limited by the inconsistency and incompleteness of reported causes of death (usually done by the attending physician) and demographics (usually reported by family).

Bureau of Labor Statistics

The U.S. Department of Labor's Bureau of Labor Statistics produces annual Local Area Unemployment Statistics.

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Feeding America

Feeding America provides Map the Meal Gap research about hunger across America. They analyze the relationship between food insecurity and indicators of food insecurity and child food insecurity (poverty, unemployment, homeownership, etc.) at the state level then develop county level estimates.

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Housing Solutions Center of Kitsap County

The Housing Solutions Center of Kitsap County offers individuals and families who are homeless or at risk of becoming homeless a one-stop location to access all forms of housing assistance. Client information is input into the online Homeless Management Information System.

Behavioral Risk Factor Surveillance System

The Behavioral Risk Factor Surveillance System (BRFSS) is an annual land-line telephone survey – expanded to include cell phones beginning in 2011 - conducted continuously throughout the year. It is a collaborative effort of the Centers for Disease Control and the Washington State Department of Health. The survey collects information from adults on health conditions, health-related behaviors, and risk and protective factors. The survey has several limitations. First, individuals without land lines or cellular telephones are not included. Surveys are conducted in English and Spanish only. Potential respondents are not always available or willing to participate. Because the survey relies on respondent's own report, some data may be under or overestimated. 2011 is the historical baseline for trend overtime due to methodological changes in the survey administration and statistical weighting. Data prior to 2011 are no longer presented in these indicators.

Healthy Youth Survey

The Healthy Youth Survey is conducted every two years among youth in grades 6, 8, 10 and 12. It is a collaborative effort of the Office of the Superintendent of Public Instruction, the Washington State Department of Health, the Washington State Department of Social and Health Services, the Liquor and Cannabis Board, the Educational Service Department and local health departments. The survey is voluntary and anonymous. The survey gathers reliable and current data about the perceptions, behaviors, and influences of youth on key topics affecting them. Because the survey relies on respondent's own report, some data may be under or overestimated.

Washington State Health Care Authority

The Washington State Health Care Authority purchases health care for more than 2 million Washington residents through two programs — Washington Apple Health (Medicaid) and the Public Employees Benefits Board (PEBB) Program. They provide Medicaid and PEBB reports, and annual data on eligible clients receiving dental services by maps, counties, and service type.

Washington State Department of Health Immunization Program

The Washington State Department of Health Immunization Program has data from two sources: 1) Washington State Immunization Information System (IIS) which is a lifetime registry tracking immunization records for people of all ages in WA. Healthcare providers voluntarily report immunizations for their patients so estimates of immunization coverage are likely lower than the true rate; and 2) Washington State School Immunization Data which are data reported by schools for numbers of children entering kindergarten with a complete, conditional, out of compliance (incomplete) immunization series, or exempt status. School data are collected from parents and not verified with health care providers. Thus, numbers might be under or overestimated as parents might not recall or know the exact immunization status of their child. Beginning in July 2011, a parent reporting exempt status must provide a letter signed by their health care provider or proof of membership in a church or religious group that does not allow medical treatment.

Washington State Department of Health, Infectious Disease Assessment Unit

All diagnoses of chronic Hepatitis C, HIV and AIDS must be reported to the local health jurisdiction (WAC 246-101) who in turn must report the case to the Washington State Department of Health. WA DOH maintains a database of Hepatitis C cases, deduplicated individuals living with HIV or AIDS and information on other infectious diseases.

Kitsap Public Health District Syringe Exchange Program

Program offers safe, clean exchange of syringes.

United States Environmental Protection Agency

The US EPA has an online air quality index report with annual summary information including maximum AQI values and the count of days in each AQI category.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Kitsap Public Health District Food and Living Environment Program

The Kitsap Public Health District Food and Living Environment Program inspects food establishments annually. The number of routine inspections differs by establishment type and size. A red violation indicates high risk for food contamination threats to human health and requires follow-up correction. The Food and Living Environment Program also annually inspects lakes and marine waters for elevated bacteria levels that can cause threats to human health. If bacteria levels are elevated, an advisory will be issued for the body of water until bacteria levels are no longer elevated. In addition, they collect and test shellfish for marine biotoxins. Shorelines are closed to shellfish harvesting when toxin levels exceed safe levels and re-opened once two consecutive samples demonstrate that toxin levels are safe.

Washington State Department of Social and Health Services Risk and Protection Profiles for Substance Abuse Prevention Planning

The Washington State Department of Social and Health Services publishes biannual Risk and Protection Profiles for Substance Abuse Prevention Planning. These profiles are comprehensive time-series collections of data related to substance use and abuse, and the risk factors that predict substance use among youth. The data are organized and presented within a risk and protective factor framework used across the state by substance abuse prevention planners.

Puget Sound Clean Air Agency

EPA calculates the Air Quality Index (AQI) for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. The AQI indicates "Good" days when air quality is considered satisfactory and air pollution poses little or no risk. The Puget Sound Clean Air Agency collects air quality data in Kitsap County. Particulate Matter (PM) 2.5 is the only pollutant of concern in Kitsap County, so when daily PM2.5 is below 13.4 μm^3 , set by the Washington Air Quality Advisory (WAQA), the AQI is "Good." From 2001 – April 2012 data were collected at the Meadowdale monitoring station and from May 2012 to present at the Spruce monitoring station. Stations report a daily average of micrograms per cubic meter of particulate matter 2.5 calculated from a minimum of 18 1-hour averages. The data are limited to the days a daily average was calculable.

Washington Tracking Network

The Washington Tracking Network (WTN) is a public website managed by the WA State Department of Health with data and information about environmental health hazards, population characteristics, and health outcomes. This source has more than 350 measures listed regarding climate and health, community, environment, exposure, and health.

Kitsap Public Health District Water Quality Program

The Kitsap Public Health District Water Quality Program collects water quality samples and data at stream monitoring stations. Water samples are collected at established stations 12 times annually using a stratified random sampling strategy to designate the date and time of sample collection. Data representativeness, completeness, and comparability are achieved through consistent sampling methodology and documentation. The data set may be limited by variations in equipment performance and environmental conditions.

U.S. Census County Business Patterns

The Census provides data on the number of establishments, employment, and payroll. Establishments are classified according to the North American Industry Classification System (NAICS).

Washington State Association of Sheriff and Police Chiefs

The Washington State Association of Sheriff and Police Chiefs annually produces the Crime in Washington report compiled from monthly reports submitted by individual law enforcement agencies. These data have several limitations. First, the amount and type of crime reported may differ due to reporting practices, law enforcement policies, population characteristics, and attitudes. Crime may not be accurately depicted, as the varying severity of offenses is not taken into account. The Port Gamble S'Klallam Tribal and Suquamish Tribal Police Departments do not provide data. In 2012, WASPC began reporting data based on the National Incident Based Reporting System (NIBRS) which includes group A offences in three categories: crimes against people, crimes against property, and crimes against society. Not all Washington State jurisdictions have switched to NIBRS and are therefore not included in the state rate; the Kitsap County Sheriff and all 4 city police departments are included.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE)

ESSENCE provides near real-time access to data for emergency department, urgent care and primary care visits.

DATA DETAILS

Two distinct types of data have been used to calculate the values reported in the Kitsap County Core Public Health Indicators: survey and incidence. All data in the indicator report are 'rounded' to the nearest whole number. When there are a small number of events in any given year, the reliability of the statistical estimate is evaluated using the relative standard error (RSE). When the RSE is large, the estimates are imprecise (RSE is >30%, the estimate will be presented for 2- or 3-year periods rather than single years, in order to reduce the RSE below 30%).

Survey Data

Survey data are acquired through population surveys, in which a segment or portion of the population of interest is surveyed. Surveys are conducted because it is unrealistic to obtain information from the whole population of interest. Using statistical methods, the answers of those surveyed can be generalized to describe the entire population of interest. This method assumes that the group surveyed is statistically the same as the population it represents.

Survey data are reported as proportions (percentages) rather than counts (raw numbers). Proportions are comparable across groups and time. Examples of survey data include: current smokers, physical activity, air quality, etc.

They are calculated as follows: $(\text{Number with specific answer} / \text{Total answering the question}) \times 100$

Incidence Data

Incidence data are counts of new events that occur to members of a specific group during a specific time period. Incidence data are reported as a rate. Rates are comparable across groups and time. Examples of incidence data include: suicide death rate and Chlamydia and Gonorrhea rates.

They are calculated as follows: $(\text{Number of new events} / \text{Total persons with potential for event}) \times 100,000$

Confidence Intervals

A confidence interval (CI) is a range of values that describes the uncertainty surrounding a calculated value. We use confidence intervals as one way to represent how 'real' a value is. For this report we used a probability of 95% such that, if we were to repeatedly calculate new values using exactly the same procedures, 95 out of 100 values would be considered 'real' by falling within the range described by the confidence interval. Interpretation of values should be done with greater caution when confidence intervals are wide as this indicates increased variability in the data.

Trends

To evaluate trend over time, all available data values from earliest to recent year for an indicator are analyzed for a statistical trend over time using Joinpoint Regression Program 4.6.0.0 April, 2018. These values are also shown in a trend line graph. At times, the earliest and recent data values might indicate a certain trend direction; however, the trend over time analysis takes into account all values and not just the endpoints. When an increasing or decreasing trend arrow is present, it means that the p-value is <0.05 for the trend test. As described in the first paragraph of this section on the previous page, when the RSE is >30%, the estimate will be presented using 2- or 3-year periods, likewise the trend will be run on 2- or 3-year periods of data. Trends are only run when 4 years of data or more are available.

Statistically Significant

Statistically significant is a term used when there is a true difference between two or more compared data. Data is statistically significant if a statistical test deems that a difference found is not due to chance.

Age-adjusted Rate

Age-adjusted rate is used to make populations with different age structures comparable. When comparing populations, differences in data rates could appear inflated or deflated if not age adjusted. This occurs because one population may have more adolescent residents while another may have more elderly residents. Adjusting and standardizing the age distribution in a population makes these two populations comparable.

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

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Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
						Lower	Upper	
Pregnancy rate per 1,000 women (ages 15-44)	Kitsap	2000	3955	48013	82.4	79.8	85.0	--
		2016	3689	41936	88.0	85.2	90.9	--
	WA	2016	108086	1400255	77.2	76.7	77.7	p<0.05
Infant mortality rate per 1,000 live births	Kitsap	2000-02	61	8996	6.8	2.5	13.7	--
		2014-16	41	9276	4.4	1.1	10.2	--
	WA	2014-16	1223	269317	4.5	1.1	10.2	--
Premature death rate per 100,000 residents (<75 years old; age-adjusted)	Kitsap	2000	696	219997	345.4	320.1	372.3	-1.2%
		2017	950	243908	269.4	251.3	288.9	-1.2%
	WA	2017	25127	6873380	292.8	289.0	296.5	p<0.05
Children aged 3-4 enrolled in early education programs	Kitsap	2005	2540	7200	35.3%	34.2%	36.4%	--
		2017	3067	7057	43.5%	42.3%	44.6%	--
	WA	2017	83521	191795	43.5%	43.3%	43.8%	--
High school graduation rate (5-year cohort)	Kitsap	2010-11	2737	3215	85.1%	83.9%	86.3%	--
		2016-17	2403	2780	86.4%	85.1%	87.7%	--
	WA	2016-17	67188	81562	82.4%	82.1%	82.6%	p<0.05
Adults aged 25 and older with more than high school education	Kitsap	2005	101768	153728	66.2%	66.0%	66.4%	--
		2017	132452	184874	71.6%	71.4%	71.8%	--
	WA	2017	3529721	5101968	69.2%	69.1%	69.2%	--
Women who gave birth with more than high school education	Kitsap	2000	1571	3008	52.2%	50.4%	54.0%	1.8%
		2017	2058	2947	69.8%	68.2%	71.5%	1.8%
	WA	2017	57780	86171	67.1%	66.7%	67.4%	p<0.05
Civilian adults currently employed	Kitsap	2000	100651	105983	95.0%	94.8%	95.1%	--
		2017	115166	121104	95.1%	95.0%	95.2%	--
	WA	2017	3578007	3754871	95.3%	95.3%	95.3%	p<0.05
Residents living below 100% of poverty	Kitsap	2005	19599	231389	8.5%	8.4%	8.6%	--
		2017	20068	258901	7.8%	7.7%	7.9%	--
	WA	2017	802159	7273713	11.0%	11.0%	11.1%	p<0.05
Youth (ages 5-17) living below 100% of poverty	Kitsap	2005	2700	42713	6.3%	6.1%	6.6%	--
		2017	3586	39335	9.1%	8.8%	9.4%	--
	WA	2017	168506	1175731	14.4%	14.4%	14.4%	p<0.05
Older adults (age 65 and older) living below 100% of poverty	Kitsap	2005	1158	25972	4.5%	4.2%	4.7%	--
		2017	2766	45656	6.1%	5.8%	6.3%	--
	WA	2017	88239	1097985	85.0%	8.0%	8.1%	p<0.05
Residents experiencing food insecurity	Kitsap	2012	4442	33400	13.3%	12.9%	13.7%	-2.2%
		2016	31820	257488	12.4%	12.2%	12.5%	-2.2%
	WA	2016	872720	7288000	12.0%	12.0%	12.0%	p<0.05
Public school students (grades K-12) enrolled in free or reduced lunch program	Kitsap	2000-01	10171	41680	24.4%	24.0%	24.8%	2.6%
		2017-18	11821	36540	32.3%	31.9%	32.8%	2.6%
	WA	2017-18	465407	1099409	42.3%	42.2%	42.4%	p<0.05
Civilian births paid by Medicaid	Kitsap	2000	845	2183	38.7%	36.7%	40.8%	0.5%
		2017	874	2194	39.8%	37.8%	41.9%	0.5%
	WA	2017	34454	82066	42.0%	41.6%	42.3%	--

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
						Lower	Upper	
Households spending 30% or more of monthly income on housing costs	Kitsap	2005	29337	89650	32.7%	32.4%	33.0%	-1.4%
		2017	31107	102558	30.3%	30.0%	30.6%	
	WA	2017	902250	2769784	32.6%	32.5%	32.6%	--
Individuals currently or imminently experiencing homelessness and seeking housing	Kitsap	2011	3881	253900	1.5%	1.5%	1.6%	--
		2017	5592	264300	2.1%	2.1%	2.2%	
	WA	NO DATA						N/A
Public school students experiencing homelessness (age 5-17)	Kitsap	2006-07	316	39033	0.8%	0.7%	0.9%	12.8%
		2016-17	1144	35926	3.2%	3.0%	3.4%	
	WA	2016-17	40934	1102579	3.7%	3.7%	3.7%	p<0.05
Civilian adults aged 19-64 report having health insurance	Kitsap							N/A
		2017	140469	148290	94.7%	94.6%	94.8%	
	WA	2017	4069559	4461995	91.2%	91.2%	91.2%	p<0.05
Population enrolled in Medicaid	Kitsap	2009	25144	228939	11.0%	10.9%	11.1%	8.2%
		2017	32411	252254	12.8%	12.7%	13.0%	
	WA	2017	1289629	7299812	17.7%	17.6%	17.7%	p<0.05
Population enrolled in Medicare	Kitsap	2009	21644	228939	9.5%	9.3%	9.6%	4.6%
		2017	33301	252254	13.2%	13.1%	13.3%	
	WA	2017	929027	7299812	12.7%	12.7%	12.8%	--
Adults report having visited a dentist or dental clinic in the past 12 months	Kitsap	2011	154		63.6%	54.3%	72.0%	N/A
		2016	332		73.1%	67.0%	78.4%	
	WA	2016	10089		68.2%	67.2%	69.2%	--
Youth (grade 8) report having had a dental checkup, exam or cleaning in the past 12 months	Kitsap	2006	857	1159	73.9%	71.3%	76.4%	1.7%
		2016	851	978	87.0%	84.7%	89.1%	
	WA	2016	4119	4764	86.5%	85.5%	87.4%	--
Individuals with Medicaid dental coverage receiving any dental service in the year	Kitsap	2012	12499	41405	30.2%	29.7%	30.6%	--
		2017	19857	65952	30.1%	29.8%	30.5%	
	WA	2017	826596	2142539	38.6%	38.5%	38.6%	p<0.05
Civilian pregnant women start prenatal care in the first trimester	Kitsap	2000	1759	2162	81.4%	79.7%	82.9%	--
		2017	1633	2136	76.5%	74.6%	78.2%	
	WA	2017	63995	78844	81.2%	80.9%	81.4%	--
Babies born at low birth weight (less than 2500 grams)	Kitsap	2000	78	2175	3.6%	2.8%	4.5%	--
		2017	173	2952	5.9%	5.0%	6.8%	
	WA	2017	5774	87412	6.6%	6.4%	6.8%	--
Adults report that in general their health is excellent, very good, or good during the past 30 days	Kitsap	2011	273		83.6%	77.7%	88.2%	--
		2017	311		84.1%	78.8%	88.3%	
	WA	2017	10990		84.0%	83.2%	84.8%	--
Adults report activities not limited by poor physical or mental health during the past 30 days	Kitsap	2011	139		42.9%	35.9%	50.2%	--
		2017	96		52.9%	44.2%	61.4%	
	WA	2017	3794		52.9%	51.3%	54.4%	--
Older adult (age 65 and older) fall-related hospitalization (fatal and nonfatal) rate per 100,000 residents	Kitsap	2016	670	49572	1459.53	1349.54	1576.53	N/A
		2017	709	51875	1475.8	1367.7	1590.6	
	WA	2017	20451	1121779	1976.8	1949.4	2004.5	p<0.05

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
						Lower	Upper	
Youth (grade 6) report being bullied in the last month	Kitsap	2006	267	992	26.9%	24.2%	29.7%	--
		2016	558	2109	26.5%	24.6%	28.4%	
	WA	2016	3297	11953	27.6%	26.8%	28.4%	--
Youth (grade 8) report being depressed in the past year	Kitsap	2006	560	2251	24.9%	23.1%	26.7%	2.1%
		2016	666	2190	30.4%	28.5%	32.4%	
	WA	2016	3151	11051	28.5%	27.7%	29.4%	--
Youth (grade 8) report having an adult to turn to for help when feeling sad or hopeless	Kitsap	2006	627	963	65.1%	62.0%	68.0%	--
		2016	544	832	65.4%	62.1%	68.5%	
	WA	2016	2649	4126	64.2%	62.7%	65.7%	--
Adults report that they and people in their community do favors for each other very often or often	Kitsap	2012	307		53.4%	47.9%	58.9%	N/A
		2016	214		50.6%	43.9%	57.3%	
	WA	2016	6038		44.3%	43.1%	45.4%	--
Adults report mental distress (14 or more days of poor mental health during the past 30 days)	Kitsap	2011	37		15.4%	10.5%	22.0%	--
		2017	45		14.6%	10.6%	19.9%	
	WA	2017	1459		12.4%	11.7%	13.2%	--
Youth (grade 8) report seriously considering attempting suicide during the past 12 months	Kitsap	2006	148	1231	12.0%	10.3%	14.0%	5.3%
		2016	426	2177	19.6%	18.0%	21.3%	
	WA	2016	1912	10985	17.4%	16.7%	18.1%	p<0.05
Suicide-related hospitalization (nonfatal) rate per 100,000 residents	Kitsap	2000	129	232219	54.9	45.8	65.4	N/A
		2017	90	264300	39.8	31.3	48.2	
	WA	2017	3613	7310300	51.1	49.4	52.8	p<0.05
Suicide-related death rate per 100,000 residents (age-adjusted)	Kitsap	2000	30	231969	13.4	9.0	19.3	--
		2017	45	264300	17.2	12.3	23.6	
	WA	2017	1292	7310300	17.1	16.2	18.1	--
Youth (grades 8, 10, 12) report ever being physically hurt on purpose by an adult	Kitsap	2014	647	2587	25.0%	23.4%	26.7%	N/A
		2016	523	2357	22.2%	20.6%	23.9%	
	WA	2016	3086	14122	21.9%	21.2%	22.5%	--
Youth (grades 8, 10, 12) report parent(s) do not set clear rules or are not engaged in details of daily life	Kitsap	2006	2675	4340	61.6%	60.2%	63.1%	-3.0%
		2016	2753	5124	53.7%	52.4%	55.1%	
	WA	2016	4729	14236	33.2%	32.4%	34.0%	p<0.05
Youth (grades 8, 10, 12) report opportunities for positive participation in the family setting	Kitsap	2006	1008	1644	61.3%	58.9%	63.6%	--
		2016	1467	2398	61.2%	59.2%	63.1%	
	WA	2016	1939	3201	60.6%	58.9%	62.3%	--
Toddlers (age 19-35 months) with complete immunizations	Kitsap	2014	2114	4207	50.2%	48.7%	51.8%	1.0%
		2017	2100	4051	51.8%	50.3%	53.4%	
	WA	2017	82494	137671	59.9%	59.7%	60.2%	p<0.05
Kindergarten children with complete immunizations	Kitsap	2000-01	3195	3390	94.2%	93.4%	95.0%	-0.4%
		2017-18	2324	2620	88.7%	87.4%	89.9%	
	WA	2017-18	71333	83236	85.7%	85.5%	85.9%	p<0.05
Adults with influenza vaccine in the past year	Kitsap	2011	153		42.4%	35.6%	49.4%	--
		2017	178		47.0%	40.5%	53.7%	
	WA	2017	6029		44.3%	43.2%	45.5%	--

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
						Lower	Upper	
Emergency Department Visit Rate for Influenza-Like Illness per 100,000 residents by Influenza Season	Kitsap	2014-15	1039	255900	406.0	382.1	431.4	--
		2017-18	1311	264300	496.0	470.0	523.5	
	WA	NO DATA						
Chlamydia rate per 100,000 residents	Kitsap	2000	547	231969	235.8	216.9	256.4	3.6%
		2017	1104	264300	417.7	393.8	443.0	
	WA	2017	32454	7310300	444.0	439.2	448.8	p<0.05
Gonorrhea rate per 100,000 residents	Kitsap	2000	138	231969	59.5	50.4	70.3	--
		2017	276	264300	104.4	92.8	117.5	
	WA	2017	10022	7310300	137.1	134.4	139.8	p<0.05
Syphilis rate per 100,000 residents	Kitsap	2004-05	22	480596	4.6	3.0	6.9	12.5%
		2016-17	50	526890	9.5	7.2	12.5	
	WA	2016-17	3079	14494000	21.2	20.5	22.0	p<0.05
HIV rate per 100,000 residents (incidence)	Kitsap	2001-02	18	470574	3.8	2.4	6.0	N/A
		2016-17	19	526890	3.6	2.3	5.6	
	WA	2016-17	893	14494000	6.2	5.8	6.6	p<0.05
Rate of persons living with HIV per 100,000 residents (prevalence)	Kitsap	2000	145	254500	57.0	48.4	67.0	3.7%
		2017	307	264300	116.2	103.9	129.9	
	WA	2017	12936	7310300	177.0	173.9	180.0	p<0.05
Syringes exchanged through Kitsap Public Health District	Kitsap	2008	282039					19.0%
		2017	1853639					
	WA	NO DATA						N/A
Routine food establishment inspections resulting in two or more red violations with FDA risks	Kitsap	2010	38	857	4.4%	3.1%	6.1%	--
		2016	76	1085	7.0%	5.5%	8.8%	
	WA	NO DATA						N/A
Adults ever told by a health care provider that they have high blood pressure	Kitsap	2011	136		34.0%	27.9%	40.8%	--
		2017	132		32.3%	26.8%	38.3%	
	WA	2017	4840		29.8%	28.8%	30.8%	--
Adults ever told by a health care provider that they have cardiovascular disease	Kitsap	2011	24		5%	3%	8%	--
		2017	35		6%	4%	9%	
	WA	2017	1357		8%	7%	8%	--
Heart disease hospitalization (fatal and nonfatal) rate per 100,000 residents	Kitsap	2016	2059	262419	589.2	562.8	616.7	N/A
		2017	1674	264124	461.0	438.1	485.1	
	WA	2017	44467	7310300	526.0	521.0	531.1	p<0.05
Adults ever told by a health care provider that they have diabetes	Kitsap	2011	38		9.2%	6.4%	13.1%	--
		2017	29		7.2%	4.5%	11.4%	
	WA	2017	1508		9.2%	8.6%	9.8%	--
Births to women diagnosed with gestational diabetes during their pregnancy	Kitsap	2000	83	3004	2.8%	2.2%	3.4%	5.6%
		2017	208	2953	7.0%	6.2%	8.0%	
	WA	2017	7878	87388	9.0%	8.8%	9.2%	p<0.05
Diabetes-related hospitalization (fatal and nonfatal) rate per 100,000 residents	Kitsap	2016	3342	262419	976.5	942.1	1012.2	N/A
		2017	3788	264124	1082.6	1046.4	1119.9	
	WA	2017	105533	7310300	1259.4	1251.6	1267.2	p<0.05

KITSAP COUNTY CORE PUBLIC HEALTH INDICATORS

December 2018

Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
						Lower	Upper	
Adults at a healthy weight (BMI=18.5-24.9)	Kitsap	2011	123		39.9%	33.1%	47.1%	--
		2017	125		40.2%	33.6%	47.3%	
	WA	2017	4418		38.7%	37.6%	39.9%	--
Youth (grade 8) at a healthy weight (below 85 th percentile for BMI)	Kitsap	2014	698	967	72.2%	69.2%	75.0%	N/A
		2016	687	975	70.5%	67.5%	73.3%	
	WA	2016	3321	4781	69.5%	68.1%	70.8%	--
Adults report 1 or more hours of physical activity on average each day per week	Kitsap	2011	155		39.9%	32.4%	47.9%	--
		2017	125		42.7%	35.7%	49.9%	
	WA	2017	3872		35.5%	34.3%	36.8%	p<0.05
Youth (grade 8) report 1 or more hours of physical activity five or more days per week	Kitsap	2006	501	1186	42.2%	39.5%	45.1%	4.4%
		2016	635	1088	58.4%	55.4%	61.3%	
	WA	2016	3204	5478	58.5%	57.2%	59.8%	--
Youth (grade 8) report 2 hours or less of screen time for fun on school days	Kitsap	2006	1967	2477	79.4%	77.8%	81.0%	--
		2016	1735	2258	76.8%	75.1%	78.5%	
	WA	2016	8895	11496	77.4%	76.6%	78.1%	--
Youth (grade 8) report eating 5 or more fruits/ vegetables daily	Kitsap	2006	299	983	30.4%	27.6%	33.4%	N/A
		2016	240	1085	22.1%	19.8%	24.7%	
	WA	2016	1255	5467	23.0%	21.9%	24.1%	--
Youth (grade 8) report drinking no sugary beverages in past 7 days at school	Kitsap	2006	345	1204	28.7%	26.2%	31.3%	9.4%
		2016	717	1093	65.6%	62.7%	68.4%	
	WA	2016	3390	5522	61.4%	60.1%	62.7%	p<0.05
Adults report currently smoking	Kitsap	2011	47		18%	13%	25%	--
		2017	39		16%	11%	22%	
	WA	2017	1501		14%	13%	14%	--
Women giving birth who smoked any time during pregnancy or in the 3 months before pregnancy	Kitsap	2000	395	2203	17.9%	14.2%	17.3%	-3.4%
		2017	337	2937	11.5%	10.3%	12.7%	
	WA	2017	7081	87216	8.1%	7.9%	8.3%	p<0.05
Youth (grade 10) report smoking in the past 30 days	Kitsap	2006	341	2263	15.1%	13.7%	16.6%	-7.0%
		2016	111	1815	6.1%	5.1%	7.3%	
	WA	2016	845	12426	6.8%	6.4%	7.3%	--
Youth (grade 10) report using electronic cigarettes in the past 30 days	Kitsap	2012	65	1066	6%	5%	8%	N/A
		2016	92	917	10%	8%	12%	
	WA	2016	791	6280	13%	12%	13%	p<0.05
Youth (grade 10) report using alcohol in the past 30 days	Kitsap	2006	684	2252	30.4%	28.5%	32.3%	-4.8%
		2016	315	1817	17.3%	15.7%	19.1%	
	WA	2016	2512	12408	20.2%	19.5%	21.0%	p<0.05
Youth (grade 10) report using marijuana in the past 30 days	Kitsap	2006	390	2249	17.3%	15.8%	19.0%	--
		2016	271	1802	15.0%	13.5%	16.8%	
	WA	2016	2138	12378	17.3%	16.6%	17.9%	p<0.05
Medicaid funded substance abuse treatment rates per 1,000 residents	Kitsap	2002	1757	173142	10%	10%	11%	--
		2015	2178	202984	11%	10%	11%	
	WA	2015	60775	5485653	11%	11%	11%	--

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Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
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Rate of opioid prescriptions per 100,000 residents	Kitsap	2012	925	254500	363.5	340.9	387.6	--
		2017	843	264300	318.9	298.1	341.1	
	WA	2017	23561	7310300	322.3	318.2	326.4	--
Drug overdose hospitalization rate per 100,000 residents (nonfatal, age-adjusted)	Kitsap	2000	167	231967	71.8	61.3	83.7	--
		2017	170	264285	64.3	54.6	75.5	
	WA	2017	5792	7310085	76.7	74.7	78.7	p<0.05
Opioid overdose hospitalization rate per 100,000 residents (nonfatal, age adjusted)	Kitsap	2001	19	233919	8.1	4.9	12.8	3.9%
		2017	54	264285	19.0	14.0	25.5	
	WA	2017	1615	7310085	20.2	19.2	21.2	--
Drug overdose death rate per 100,000 residents (age-adjusted)	Kitsap	2000	20	231967	8.3	5.1	13.0	--
		2017	20	264285	6.6	4.0	10.8	
	WA	2017	1128	7310085	15.0	14.1	15.9	p<0.05
Opioid overdose death rate per 100,000 residents (age-adjusted)	Kitsap	2000-02	32	702543	4.5	3.1	6.4	--
		2015-17	74	785072	8.6	6.7	11.0	
	WA	2015-17	2125	2155221	9.6	9.2	10.0	--
Healthy air days (Air Quality Index = Good)	Kitsap	2001	287	346	82.9%	78.6%	86.5%	1.1%
		2017	345	365	94.5%	96.4%	91.7%	
	WA	2017	8474	10063	84.2%	84.9%	83.5%	p<0.05
Stagnant air days	Kitsap	2000	46.8	365	12.8%	9.8%	16.6%	2.9%
		2015	75.2	365	20.6%	16.8%	25.1%	
	WA	2015	75	365	20.5%	16.7%	25.0%	--
Extremely hot days	Kitsap	2001-02	0.5	122	0.4%	0.0%	3.8%	--
		2015-16	2.6	129	2.0%	0.6%	6.1%	
	WA	NO DATA						N/A
Fresh water streams meet standards for acceptable levels of fecal coliform bacteria	Kitsap	2004	17	52	32.7%	19.1%	52.3%	3.6%
		2017	17	52	32.7%	19.1%	52.3%	
	WA	NO DATA						N/A
Shoreline miles classified as 'open' for shellfish harvesting	Kitsap	2006	183	226	80.9%	75.4%	85.6%	0.8%
		2017	207	228	90.8%	86.3%	93.9%	
	WA	NO DATA						N/A
Average number of days a fresh water beach is closed per year due to an advisory for illness, cyanobacteria (blue-green algae), or elevated bacteria levels	Kitsap	2006	79	17	4.6	1.4	11.0	12.54%
		2016	422	17	24.8	15.8	36.3	
	WA	NO DATA						N/A
Average number of days a marine water beach is closed per year due to an advisory for sewage spills, sewer pipe breaks and elevated bacteria levels	Kitsap	2006	14	10	1.4	0.0	5.6	--
		2016	46	12	3.8	0.8	9.5	
	WA	NO DATA						N/A
Motor vehicle injury-related hospitalization (fatal and nonfatal) rate per 100,000 residents	Kitsap	2016	125	262419	47.1	38.8	56.8	N/A
		2017	123	264124	44.6	36.7	53.9	
	WA	2017	3852	7310300	50.8	49.2	52.5	--
Fast food and convenience store density per 100,000 residents	Kitsap	2000	153	231969	66.0	56.3	77.3	--
		2016	171	262590	65.1	56.1	75.6	
	WA	2016	5407	7183700	75.3	73.3	77.3	--

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Indicator	Location	Year	Number	Total	Rate	95% Confidence Interval		Statistical % Change Over Time/ Statistical Comparison to WA
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Kitsap resident workers who walk or bike to work	Kitsap	2006	3137	110455	2.8%	2.7%	2.9%	--
		2017	7287	127450	5.7%	4.1%	7.3%	
	WA	2017	147360	3566785	4.1%	3.9%	4.4%	--
Youth (grade 8) who walk or bike to school at least one day per week	Kitsap	2008	385	1157	33.3%	30.6%	36.0%	--
		2016	336	1071	31.4%	28.7%	34.2%	
	WA	2016	2037	5410	37.7%	36.4%	39.0%	p<0.05
Group A offense crime rate per 100,000 residents	Kitsap	2012	15961	255403	6249.3	6156.1	6343.9	-2.9%
		2017	14145	264365	5350.6	5265.4	5437.0	
	WA	2017	468751	6780485	6913.2	6388.5	6423.9	p<0.05
Households with firearms that are loaded and unlocked	Kitsap	2013	27		21.3%	13.9%	31.1%	N/A
		2016	29		22.4%	14.8%	32.4%	
	WA	2016	896		20.7%	19.2%	22.4%	--