**COMMUNITY HEALTH NEEDS ASSESSMENT**

### **Broader Set of Health Indicators for North Central Washington Counties**

### **Demographics**

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| **Report Area:** Chelan County, Washington; Douglas County, Washington; Grant County, Washington; Okanogan County, Washington |
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Total Population

This indicator reports the total number of people in a specific geographic area. This indicator is relevant because population counts are necessary to quantify the community as defined.

| Report Area | Total Population | Total Land Area (Square Miles) | Population Density  (Per Square Mile) |
| --- | --- | --- | --- |
| Total 4 Counties | 233,535 | 12,687.28 | 18.41 |
| Chelan County | 70,995 | 2,920.53 | 24.31 |
| Douglas County | 37,160 | 1,819.26 | 20.43 |
| Grant County | 85,142 | 2,679.51 | 31.78 |
| Okanogan County | 40,238 | 5,267.98 | 7.64 |
| Washington | 6,561,297 | 66,455.50 | 98.73 |
| United States | 303,965,271 | 3,531,905.50 | 86.06 |

*Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.*

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|  | **Population Density (Per Sq. Mi.), By Tract, U.S. Census 2010** Over 10,000 5,001 - 10,000 500.0 - 5,000 50.1 - 500.0 Under 50.1 |

Total Population Age 65 or Older

This indicator reports the percentage of seniors aged 65 and older in a specific geographic area. This indicator is relevant because it is important to understand the percentage of seniors in the community, as this population has unique health needs which should be considered separately from other age groups.

| Report Area | Total Population | Total Population  (Age 65 ) | Percent Population  (Age 65 ) |
| --- | --- | --- | --- |
| Report Area | 233,535 | 32,212 | 13.79% |
| Chelan County | 70,995 | 10,785 | 15.19% |
| Douglas County | 37,160 | 4,930 | 13.27% |
| Grant County | 85,142 | 9,996 | 11.74% |
| Okanogan County | 40,238 | 6,501 | 16.16% |
| Washington | 6,561,297 | 780,577 | 11.90% |
| United States | 303,965,280 | 38,749,416 | 12.75% |

*Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.*

Median Age

This indicator reports the median age according to the 2010 Census population estimate. This indicator is relevant because the age demographics of a population indicate the potential for age-specific conditions and a demand for related services.

| Report Area | Total Population | Median Age |
| --- | --- | --- |
| Report Area | 233,535 | no data |
| Chelan County | 70,995 | 39.70 |
| Douglas County | 37,160 | 36.60 |
| Grant County | 85,142 | 32.20 |
| Okanogan County | 40,238 | 42.20 |
| Washington | 6,561,297 | 37 |
| United States | 303,965,280 | 36.90 |

*Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.*

Change in Total Population

This indicator reports the percent difference in population counts from the 2000 Census population estimate to the 2010 Census population estimate. This indicator is relevant because a positive or negative shift in total population over time impacts healthcare providers and the utilization of community resources.

| Report Area | Total Population,  2010 Census | Total Population,  2000 Census | Percent Change from 2000-2010 Census |
| --- | --- | --- | --- |
| Report Area | 241,124 | 213,481 | 12.95% |
| Chelan County | 72,453 | 66,616 | 8.76% |
| Douglas County | 38,431 | 32,603 | 17.88% |
| Grant County | 89,120 | 74,698 | 19.31% |
| Okanogan County | 41,120 | 39,564 | 3.93% |
| Washington | 6,724,540 | 5,894,121 | 14.09% |
| United States | 308,745,538 | 281,421,906 | 9.71% |

*Note: No breakout data available.*

*Data Source:* [*U.S. Census Bureau, 2000 Census of Population and Housing, Summary File 1*](http://www.census.gov/main/www/cen2000.html)*;* [*U.S. Census Bureau, 2010 Census of Population and Housing, Summary File 1*](http://2010.census.gov/2010census/data/)*. Source geography: County.*

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Linguistically Isolated Population

This indicator reports the percentage of the population aged 5 and older who speak a language other than English at home and speak English less than "very well." This indicator is relevant because an inability to speak English well creates barriers to healthcare access, provider communications, and health literacy/education.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (For Whom Linguistic Isolation is Determined) | Total Linguistically Isolated Population | Percent Linguistically Isolated Population | | --- | --- | --- | --- | | Report Area | 215,850 | 26,933 | **12.48%** | | Chelan County | 66,240 | 6,910 | **10.43%** | | Douglas County | 34,535 | 4,293 | **12.43%** | | Grant County | 77,490 | 13,257 | **17.11%** | | Okanogan County | 37,585 | 2,473 | **6.58%** | | Washington | 6,134,847 | 482,388 | 7.86% | | United States | 283,833,856 | 24,704,752 | 8.70% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Linguistically Isolated Population**  Report Area Washington United States |

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**Social & Economic Factors**

Economic and social insecurity often are associated with poor health. Poverty, unemployment, and lack of educational achievement affect access to care and a community’s ability to engage in healthy behaviors. Without a network of support and a safe community, families cannot thrive. Ensuring access to social and economic resources provides a foundation for a healthy community.

Adequate Social or Emotional Support

This indicator reports the percentage of adults aged 18 and older who self-report receiving sufficient social and emotional support all of most of the time. This indicator is relevant because social and emotional support is critical for navigating the challenges of daily life as well as for good mental health. Social and emotional support is also linked to educational achievement and economic stability.

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| | Report Area | Population  (Age 18 ) | Adults Reporting Adequate Social or Emotional Support | Percent Adults Reporting Adequate Social or Emotional Support | | --- | --- | --- | --- | | Report Area | 11,665 | 9,417 | **80.73%** | | Chelan County | 3,282 | 2,701 | **82.30%** | | Douglas County | 2,999 | 2,438 | **81.30%** | | Grant County | 2,235 | 1,759 | **78.70%** | | Okanogan County | 3,149 | 2,519 | **80%** | | Washington | 156,092 | 129,556 | 83.00% | | United States | 2,744,636 | 2,204,749 | 80.33% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults Reporting Adequate Social or Emotional Support**  Report Area Washington United States |

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Poverty Rate (< 100% FPL)

Poverty is considered a *key driver* of health status.  
  
This indicator reports the percentage of the population living below 100% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

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| | Report Area | Total Population  (For Whom Poverty Status is Determined) | Total Population in Poverty | Percent Population in Poverty | | --- | --- | --- | --- | | Report Area | 230,793 | 38,217 | **16.56%** | | Chelan County | 70,156 | 8,046 | **11.47%** | | Douglas County | 36,921 | 5,270 | **14.27%** | | Grant County | 83,907 | 17,120 | **20.40%** | | Okanogan County | 39,809 | 7,781 | **19.55%** | | Washington | 6,430,231 | 780,009 | 12.13% | | United States | 296,141,152 | 40,917,512 | 13.82% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Population in Poverty**  Report Area Washington United States |

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**Population in Poverty, Total by Gender**

| Report Area | Male | Female | Percent Male | Percent Female | Percent of Males in Poverty | Percent of Females in Poverty |
| --- | --- | --- | --- | --- | --- | --- |
| Report Area | 17,659 | 20,558 | 46.21% | 53.79% | 15.29% | 17.83% |
| Chelan County | 3,534 | 4,512 | 43.92% | 56.08% | 10.24% | 12.66% |
| Douglas County | 2,617 | 2,653 | 49.66% | 50.34% | 14.27% | 14.28% |
| Grant County | 7,867 | 9,253 | 45.95% | 54.05% | 18.45% | 22.42% |
| Okanogan County | 3,641 | 4,140 | 46.79% | 53.21% | 18.20% | 20.90% |
| Washington | 352,433 | 427,576 | 45.18% | 54.82% | 11.05% | 13.19% |
| United States | 18,063,626 | 22,853,888 | 44.15% | 55.85% | 12.48% | 15.10% |

Population Below 200% of Poverty Level

This indicator reports the percentage of the population living under 200% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

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| | Report Area | Total Population (For Whom Poverty Status is Determined) | Population with Income Below 200% Poverty Level | Percent Population with Income Below 200% Poverty Level | | --- | --- | --- | --- | | Report Area | 230,793 | 93,432 | **40.48%** | | Chelan County | 70,156 | 23,183 | **33.04%** | | Douglas County | 36,921 | 14,763 | **39.99%** | | Grant County | 83,907 | 38,037 | **45.33%** | | Okanogan County | 39,809 | 17,449 | **43.83%** | | Washington | 6,430,231 | 1,805,493 | 28.08% | | United States | 296,141,152 | 94,693,416 | 31.98% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Population with Income Below 200% Poverty Level**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Percentage of Total Population, By Tract, ACS 2006-2010 5-Year Estimate** Over 80.0% 60.1 - 80.0% 40.1 - 60.0% 20.1 - 40.0% Under 20.1% |

Children in Poverty

This indicator reports the percentage of children aged 0-17 living under 100% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

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| | Report Area | Total Population (For Whom Poverty Status is Determined) | Children in Poverty | Percent Children in Poverty | | --- | --- | --- | --- | | Report Area | 62,654 | 15,007 | **23.95%** | | Chelan County | 17,723 | 2,977 | **16.80%** | | Douglas County | 10,048 | 2,211 | **22%** | | Grant County | 25,566 | 7,271 | **28.44%** | | Okanogan County | 9,317 | 2,548 | **27.35%** | | Washington | 1,534,092 | 244,930 | 15.97% | | United States | 72,850,296 | 13,980,497 | 19.19% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Children in Poverty**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Percentage of Children (Age 0-17), by Tract, ACS 2006-2010 5-Year Estimate** Over 40.0% 30.1 - 40.0% 20.1 - 30.0% 10.1% - 20.0% Under 10.1% |

**Children in Poverty (Below 100% of FPL), Percent by Ethnicity Alone**

| Report Area | Hispanic / Latino | Non-Hispanic / Latino |
| --- | --- | --- |
| Report Area | 58.88% | 41.12% |
| Chelan County | 54.35% | 45.65% |
| Douglas County | 65.26% | 34.74% |
| Grant County | 68.78% | 31.22% |
| Okanogan County | 30.38% | 69.62% |
| Washington | 34.54% | 65.46% |
| United States | 33.52% | 66.48% |

Free and Reduced Price School Lunch Eligibility

This indicator reports the percentage of public school students eligible for free or reduced price lunches. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs. Additionally, when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Student Enrollment | Number Free/Reduced Price Lunch Eligible | Percent Free/Reduced Price Lunch Eligible | | --- | --- | --- | --- | | Report Area | 46,074 | 28,229 | **61.27%** | | Chelan County | 12,779 | 7,236 | **56.62%** | | Douglas County | 6,936 | 3,801 | **54.80%** | | Grant County | 18,753 | 13,158 | **70.16%** | | Okanogan County | 7,606 | 4,034 | **53.04%** | | Washington | 1,045,265 | 419,896 | 40.17% | | United States | 49,692,766 | 24,021,069 | 48.34% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Department of Education, National Center for Education Statistics (NCES), Common Core of Data, Public School Universe File, 2010-2011*](http://nces.ed.gov/ccd/pubschuniv.asp)*. Source geography: Address.* | **Percent Free/Reduced Price Lunch Eligible**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Percentage of Students Eligible for Free or Reduced Price Lunch, by School, NCES 2010-2011** Over 80.0% 60.1 - 80.0% 40.1 - 60.0% 20.1 - 40.0% Under 20.1% Not Reported |

High School Graduation Rate

This indicator reports the average freshman graduate rate, which measures the percentage of students receiving their high school diploma within four years. This indicator is relevant because low levels of education are often linked to poverty and poor health.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Average Freshman Base Enrollment | Estimated Number of Diplomas Issued | On-Time Graduation Rate | | --- | --- | --- | --- | | Report Area | 3,264 | 2,418 | **74.10** | | Chelan County | 1,021 | 734 | **71.90** | | Douglas County | 536 | 428 | **79.80** | | Grant County | 1,322 | 1,006 | **76.10** | | Okanogan County | 384 | 250 | **65** | | Washington | 85,123 | 62,764 | **73.70** | | United States | 4,024,345 | 3,039,015 | **75.50** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  | >82.4 |   *Note: This indicator is compared with the Healthy People 2020 Target. No breakout data available.*  *Data Source:* [*The University of Wisconsin, Population Health Institute, County Health Rankings, 2012*](http://www.countyhealthrankings.org/%20) *and the* [*U.S. Department of Education, National Center for Education Statistics (NCES), Common Core of Data, Public School Universe Survey Data, 2005-06, 2006-07 and 2007-08*](http://nces.ed.gov/ccd/pubschuniv.asp%20)*. Source geography: County.* | **On-Time Graduation Rate**  Report Area HP 2020 Target United States |

|  |  |
| --- | --- |
|  | **Average Freshman Graduation Rate** Over 90.0% 85.1 - 90.0% 80.1 - 85.0% 75.1 - 80.0% Under 75.1% |

Population Receiving Medicaid

This indicator reports the percentage of the population that is enrolled in Medicaid. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Population (for Whom Insurance Status is Determined) | Population Receiving Medicaid | Percent Population Receiving Medicaid | | --- | --- | --- | --- | | Report Area | 237,728 | 53,311 | **22.57%** | | Chelan County | 71,742 | 14,072 | **19.72%** | | Douglas County | 37,913 | 8,083 | **21.40%** | | Grant County | 87,343 | 22,506 | **26%** | | Okanogan County | 40,730 | 8,650 | **21.32%** | | Washington | 6,546,049 | 1,002,231 | 15.31% | | United States | 301,501,760 | 48,541,096 | 16.10% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2008-2010 American Community Survey 3-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: PUMA.* | **Percent Population Receiving Medicaid**  Report Area Washington United States |

|  |  |
| --- | --- |
|  |  |

Population with No High School Diploma

Educational attainment is considered a *key driver* of health status.  
  
This indicator reports the percentage of the population aged 25 and older without a high school diploma (or equivalency) or higher. This indicator is relevant because low levels of education are often linked to poverty and poor health.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (For Whom Educational Attainment is Determined) | Population with No High School Diploma | Percent Population with No High School Diploma | | --- | --- | --- | --- | | Report Area | 148,900 | 30,011 | **20.16%** | | Chelan County | 46,916 | 7,946 | **16.94%** | | Douglas County | 23,820 | 4,942 | **20.75%** | | Grant County | 50,568 | 12,651 | **25.02%** | | Okanogan County | 27,596 | 4,472 | **16.21%** | | Washington | 4,360,316 | 454,534 | 10.42% | | United States | 199,726,656 | 29,898,482 | 14.97% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2006-2010 American Community Survey 5-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Population with No High School Diploma**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Percentage of Total Population (Age 25 ), By Tract, ACS 2006-2010 5-Year Estimate** Over 40.0% 30.1 - 40.0% 20.1 - 30.0% 10.1 - 20.0% Under 10.1% |

**Population with No High School Diploma, Total by Ethnicity Alone**

| Report Area | Hispanic / Latino | Non-Hispanic / Latino |
| --- | --- | --- |
| Report Area | 17,725 | 12,286 |
| Chelan County | 4,634 | 3,312 |
| Douglas County | 2,969 | 1,973 |
| Grant County | 8,438 | 4,213 |
| Okanogan County | 1,684 | 2,788 |
| Washington | 135,600 | 318,934 |
| United States | 9,834,425 | 20,064,057 |

**Population with No High School Diploma, Percent by Ethnicity Alone**

| Report Area | Hispanic / Latino | Non-Hispanic / Latino |
| --- | --- | --- |
| Report Area | 59.06% | 40.94% |
| Chelan County | 58.32% | 41.68% |
| Douglas County | 60.08% | 39.92% |
| Grant County | 66.70% | 33.30% |
| Okanogan County | 37.66% | 62.34% |
| Washington | 29.83% | 70.17% |
| United States | 32.89% | 67.11% |

Supplemental Nutrition Assistance Program (SNAP) Recipients

This indicator reports the average percentage of the population receiving the Supplemental Nutrition Assistance Program (SNAP) benefits from the months of July 2008 to July 2009. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Estimated Population, 2009 | Total Population Receiving SNAP Benefits | Percent Population Receiving SNAP Benefits | | --- | --- | --- | --- | | Report Area | 238,587 | 43,260 | **18.13%** | | Chelan County | 72,372 | 11,334 | **15.66%** | | Douglas County | 37,565 | 4,192 | **11.16%** | | Grant County | 88,098 | 18,714 | **21.24%** | | Okanogan County | 40,552 | 9,020 | **22.24%** | | Washington | 6,664,195 | 912,894 | 13.70% | | United States | 307,006,550 | 38,701,176 | 12.60% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Census Bureau, Small Area Income and Poverty Estimates (SAIPE), 2009*](http://www.census.gov/did/www/saipe/data/model/index.html)*. Source geography: County.* | **Percent Population Receiving SNAP Benefits**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Percentage of Total Population, By County, SAIPE 2009** Over 25.0% 20.1 - 25.0% 15.1 - 20.0% 10.1 - 15.0% Under 10.1% |

Uninsured Population

The lack of health insurance is considered a *key driver* of health status.  
  
This indicator reports the percentage of the total civilian non-institutionalized population without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (For Whom Insurance Status is Determined) | Number Uninsured | Percent Uninsured | | --- | --- | --- | --- | | Report Area | 236,225 | 48,071 | **20.35%** | | Chelan County | 71,344 | 14,129 | **19.80%** | | Douglas County | 37,765 | 6,708 | **17.76%** | | Grant County | 86,550 | 17,822 | **20.59%** | | Okanogan County | 40,566 | 9,412 | **23.20%** | | Washington | 6,546,049 | 876,684 | 13.39% | | United States | 301,501,760 | 45,368,296 | 15.05% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*U.S. Census Bureau, 2008-2010 American Community Survey 3-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: PUMA.* | **Percent Uninsured**  Report Area Washington United States |

**Physical Environment**

A community’s health also is affected by the physical environment. A safe, clean environment that provides access to healthy food and recreational opportunities is important to maintaining and improving community health.

Fast Food Restaurant Access

This indicator reports the number of fast food restaurants per 100,000 population. Fast food restaurants are defined as limited-service establishments primarily engaged in providing food services (except snack and nonalcoholic beverage bars) where patrons generally order or select items and pay before eating. This indicator is relevant because it provides a measure of healthy food access and environmental influences on dietary behaviors.

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| | Report Area | Total Population, 2010 Census | Number of Establishments | Establishment Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 241,124 | 141 | **58.48** | | Chelan County | 72,453 | 57 | **78.67** | | Douglas County | 38,431 | 14 | **36.43** | | Grant County | 89,120 | 50 | **56.10** | | Okanogan County | 41,120 | 20 | **48.64** | | Washington | 6,724,540 | 4,744 | 70.55 | | United States | 312,471,327 | 213,453 | 68.31 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Census Bureau, County Business Patterns, 2010*](http://www.census.gov/econ/cbp/)*. Source geography: County.* | **Establishment Rate (Per 100,000 Pop.)**  Report Area Washington United States |

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Poor Air Quality (Ozone)

This indicator reports the percentage of days per year with Ozone (O3) levels above the National Ambient Air Quality Standard of 75 parts per billion (ppb). Figures are calculated using data collected by monitoring stations and modeled to include census tracts where no monitoring stations exist. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

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| | Report Area | Average Daily Ozone Concentration | Number of Days Exceeding Emissions Standards | Percentage of Days Exceeding Emissions Standards | | --- | --- | --- | --- | | Report Area | 20.45 | 0.78 | **0.21%** | | Chelan County | 20.01 | 1 | **0.23%** | | Douglas County | 20.45 | 1 | **0.15%** | | Grant County | 21.81 | 1 | **0.23%** | | Okanogan County | 18.91 | 1 | **0.20%** | | Washington | 20.76 | 5.64 | 1.54% | | United States | 24.82 | 2.92 | 0.80% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, National Environmental Public Health Tracking Network, 2008*](http://ephtracking.cdc.gov/showIndicatorsData.action)*. Source geography: Tract.* | **Percentage of Days Exceeding Emissions Standards**  Report Area Washington United States |

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Recreation and Fitness Facility Access

This indicator reports the number per 100,000 population of recreation and fitness facilities as defined by North American Industry Classification System (NAICS) Code 713940. This indicator is relevant because access to recreation and fitness facilities encourages physical activity and other healthy behaviors.

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| | Report Area | Total Population, 2010 Census | Number of Establishments | Establishment Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 241,124 | 28 | **11.61** | | Chelan County | 72,453 | 16 | **22.08** | | Douglas County | 38,431 | 2 | **5.20** | | Grant County | 89,120 | 6 | **6.73** | | Okanogan County | 41,120 | 4 | **9.73** | | Washington | 6,724,540 | 772 | 11.48 | | United States | 308,745,538 | 29,896 | 9.68 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Census Bureau, County Business Patterns, 2010*](http://www.census.gov/econ/cbp/)*. Source geography: County.* | **Establishment Rate (Per 100,000 Pop.)**  Report Area Washington United States |

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WIC-Authorized Food Store Access

This indicator reports the number of food stores and other retail establishments per 100,000 population that are authorized to accept WIC Program (Special Supplemental Nutrition Program for Women, Infants, and Children) benefits and that carry designated WIC foods and food categories. This indicator is relevant because it provides a measure of food security and healthy food access for women and children in poverty as well as environmental influences on dietary behaviors.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population  (2011 Estimate) | Number WIC-Authorized Food Stores | WIC-Authorized Food Store Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 245,124 | 55 | **22.40** | | Chelan County | 73,477 | 13 | **17.69** | | Douglas County | 38,971 | 8 | **20.53** | | Grant County | 91,265 | 20 | **21.91** | | Okanogan County | 41,411 | 14 | **33.81** | | Washington | 6,849,103 | 776 | 11.30 | | United States | 318,921,538 | 50,042 | 15.60 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Department of Agriculture, Food Environment Atlas, 2012*](http://www.ers.usda.gov/foodatlas/)*. Source geography: County.* | **WIC-Authorized Food Store Rate (Per 100,000 Pop.)**  Report Area Washington United States |

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**Clinical Care**

A lack of access to care presents barriers to good health. The supply and accessibility of facilities and physicians, the rate of uninsurance, financial hardship, transportation barriers, cultural competency, and coverage limitations affect access.  
  
Rates of morbidity, mortality, and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests, and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions.

Access to Primary Care

This indicator reports the number of primary care physicians per 100,000 population. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

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| | Report Area | Total Population | Total Primary Care Providers | Primary Care Provider Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 241,124 | 191 | **79.20** | | Chelan County | 72,453 | 85 | **117.31** | | Douglas County | 38,431 | 16 | **41.63** | | Grant County | 89,120 | 46 | **51.61** | | Okanogan County | 41,120 | 44 | **107** | | Washington | 6,724,540 | 6,066 | 90.20 | | United States | 312,471,327 | 264,897 | 84.70 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Health Resources and Services Administration Area Resource File, 2011*](http://arf.hrsa.gov/) *. Source geography: County.* | **Primary Care Provider Rate (Per 100,000 Pop.)**  Report Area Washington United States |

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Breast Cancer Screening (Mammogram)

This indicator reports the percentage of female Medicare enrollees, age 55 or older, who have received one or more mammograms in the past two years. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Female Medicare Enrollees | Number Regularly Screened | Percent Regularly Screened | | --- | --- | --- | --- | | Report Area | 2,055 | 1,382 | **67.25%** | | Chelan County | 700 | 535 | **76.43%** | | Douglas County | 265 | 189 | **71.32%** | | Grant County | 616 | 375 | **60.88%** | | Okanogan County | 474 | 283 | **59.70%** | | Washington | 40,509 | 26,448 | 65.29% | | United States | 4,203,461 | 2,660,626 | 63.30% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Dartmouth Atlas of Healthcare, Selected Measures of Primary Care Access and Quality, 2003-2007*](http://www.dartmouthatlas.org/tools/downloads.aspx)*. Source geography: County.* | **Percent Regularly Screened**  Report Area Washington United States |

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|  | **Percentage of Medicare Patients (Female) with Mammogram, Past 2 Years, By County, Dartmouth Atlas 2003-2007** Over 72.0% 66.1 - 72.0% 60.1 - 66.0% 54.1 - 60.0% Under 54.1% |

Cervical Cancer Screening (Pap Test)

This indicator reports the percentage of women aged 18 and older who self-report that they have had a Pap test in the past three years. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| | Report Area | Total Population (Women Age 18 ) | Est. Population Regularly Screened | Percentage Regularly Screened | | --- | --- | --- | --- | | Report Area | 82,990 | 63,018 | **75.93%** | | Chelan County | 26,594 | 20,477 | **77%** | | Douglas County | 13,331 | 10,212 | **76.60%** | | Grant County | 27,940 | 20,955 | **75%** | | Okanogan County | 15,125 | 11,374 | **75.20%** | | Washington | 2,486,594 | 1,921,431 | 77.27% | | United States | 116,709,909 | 86,326,160 | 73.97% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percentage Regularly Screened**  Report Area Washington United States |

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Colon Cancer Screening (Sigmoid/Colonoscopy)

This indicator reports the percentage of adult men aged 50 and older who self-report that they have ever had a sigmoidoscopy or colonoscopy. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| | Report Area | Total Population  (Men Aged 50 ) | Number Ever Screened | Percent Ever Screened | | --- | --- | --- | --- | | Report Area | 36,400 | 20,476 | **56.25%** | | Chelan County | 11,965 | 7,131 | **59.60%** | | Douglas County | 5,556 | 3,222 | **57.99%** | | Grant County | 11,324 | 6,149 | **54.30%** | | Okanogan County | 7,555 | 3,974 | **52.60%** | | Washington | 3,672,818 | 2,269,729 | 61.80% | | United States | 119,567,203 | 61,919,221 | 51.79% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Ever Screened**  Report Area Washington United States |

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Dental Care Utilization (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report that they have not visited a dentist, dental hygienist or dental clinic within the past year. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| | Report Area | Total Population (Age 18 ) | Number Adults with No Dental Exam | Percent Adults with No Dental Exam | | --- | --- | --- | --- | | Report Area | 169,842 | 62,824 | **36.99%** | | Chelan County | 53,020 | 18,732 | **35.33%** | | Douglas County | 26,980 | 8,709 | **32.28%** | | Grant County | 59,156 | 22,799 | **38.54%** | | Okanogan County | 30,686 | 12,584 | **41.01%** | | Washington | 5,000,516 | 1,383,143 | 27.66% | | United States | 232,747,222 | 70,151,188.94 | 30.14% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults with No Dental Exam**  Report Area Washington United States |

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Diabetes Management (Hemoglobin A1c Test)

This indicator reports the percentage of diabetic Medicare patients who have had a hemoglobin A1c (hA1c) test, a blood test which measures blood sugar levels, administered by a health care professional in the past year. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Medicare Enrollees (Age 65-75) with Diabetes | Number Patients Tested | Percent Patients Tested | | --- | --- | --- | --- | | Report Area | 2,240 | 1,985 | **88.62%** | | Chelan County | 671 | 595 | **88.67%** | | Douglas County | 307 | 278 | **90.55%** | | Grant County | 760 | 668 | **87.89%** | | Okanogan County | 502 | 444 | **88.45%** | | Washington | 43,710 | 37,447 | 85.67% | | United States | 5,408,188 | 4,343,573 | 80.31% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Dartmouth Atlas of Healthcare, Selected Measures of Primary Care Access and Quality, 2003-2007*](http://www.dartmouthatlas.org/tools/downloads.aspx)*. Source geography: County.* | **Percent Patients Tested**  Report Area Washington United States |

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Federally Qualified Health Centers

This indicator reports the number of Federally Qualified Halth Centers (FQHCs) in the community. This indicator is relevant because FQHCs are community assets that provide health care to vulnerable populations; they receive extra funding from the federal government to promote access to ambulatory care in areas designated as medically underserved.

| Report Area | Number of Federally Qualified Health Centers |
| --- | --- |
| Report Area | 10 |
| Chelan County | 3 |
| Douglas County | 0 |
| Grant County | 4 |
| Okanogan County | 3 |
| Washington | 131 |
| United States | 5,459 |

*Note: No breakout data available.*

*Data Source:* [*U.S. Health Resources and Services Administration, Centers for Medicare & Medicaid Services, Provider of Service File, 2011*](https://www.cms.gov/Research-Statistics-Data-and-Systems/Files-for-Order/NonIdentifiableDataFiles/ProviderofServicesFile.html)*. Source geography: Address.*

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|  | Federally Qualified Health Centers |

High Blood Pressure Management

This indicator reports the percentage of adults aged 18 and older who self-report that they are not taking medication for their high blood pressure. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. When considered with other indicators of poor health, this indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults Not Taking Blood Pressure Medication (When Needed) | Percent Adults Not Taking Medication | | --- | --- | --- | --- | | Report Area | 169,842 | 46,184 | **27.19%** | | Chelan County | 53,020 | 12,497 | **23.57%** | | Douglas County | 26,980 | 6,866 | **25.45%** | | Grant County | 59,156 | 17,492 | **29.57%** | | Okanogan County | 30,686 | 9,329 | **30.40%** | | Washington | 5,000,516 | 1,400,645 | 28.01% | | United States | 232,747,222 | 50,606,335.52 | 21.74% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults Not Taking Medication**  Report Area Washington United States |

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HIV Screenings

This indicator reports the percentage of teens and adults age 12-70 who self-report that they have never been screened for HIV. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults Never Screened | Percent Adults Never Screened | | --- | --- | --- | --- | | Report Area | 169,842 | 109,339 | **64.38%** | | Chelan County | 53,020 | 33,673 | **63.51%** | | Douglas County | 26,980 | 17,855 | **66.18%** | | Grant County | 59,156 | 39,351 | **66.52%** | | Okanogan County | 30,686 | 18,461 | **60.16%** | | Washington | 5,000,516 | 3,036,813 | 60.73% | | United States | 232,747,222 | 139,253,113.51 | 59.83% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults Never Screened**  Report Area Washington United States |

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Lack of a Consistent Source of Primary Care

This indicator reports the percentage of adults aged 18 and older who self-report that they do not have at least one person who they think of as their personal doctor or health care provider. This indicator is relevant because access to regular primary care is important to preventing major health issues and emergency department visits.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults Without Any Regular Doctor | Percent Adults Without Any Regular Doctor | | --- | --- | --- | --- | | Report Area | 169,842 | 42,887 | **25.25%** | | Chelan County | 53,020 | 12,279 | **23.16%** | | Douglas County | 26,980 | 6,265 | **23.22%** | | Grant County | 59,156 | 15,972 | **27%** | | Okanogan County | 30,686 | 8,371 | **27.28%** | | Washington | 5,000,516 | 1,078,611 | 21.57% | | United States | 232,747,222 | 44,961,851.44 | 19.32% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults Without Any Regular Doctor**  Report Area Washington United States |

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Pneumonia Vaccinations (Age 65 )

This indicator reports the percentage of adults aged 65 and older who self-report that they have ever received a pneumonia vaccine. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population  (Adults Aged 65 ) | Number Vaccinated | Percent Vaccinated | | --- | --- | --- | --- | | Report Area | 31,461 | 21,092.79 | **67.04%** | | Chelan County | 10,707 | 7,098.74 | **66.30%** | | Douglas County | 4,748 | 3,375.83 | **71.10%** | | Grant County | 9,631 | 6,366.09 | **66.10%** | | Okanogan County | 6,375 | 4,252.13 | **66.70%** | | Washington | 760,085 | 529,650 | 69.68% | | United States | 37,999,225 | 21,156,717 | 55.68% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Vaccinated**  Report Area Washington United States |

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Population Living in a Health Professional Shortage Areas

This indicator reports the percentage of the population that is living in a geographic area designated as a "Health Professional Shortage Area" (HPSA), defined as having a shortage of primary medical care, dental or mental health professionals. This indicator is relevent because a shortage of health professionals contributes to access and health status issues.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population, 2010 Census | HPSA Designation Population | Underserved Population | Percent of Designated Population Underserved | | --- | --- | --- | --- | --- | | Report Area | 241,124 | 120,903.18 | 94,103.32 | **77.83%** | | Chelan County | 72,453 | 24,109.99 | 20,058.88 | **83.20%** | | Douglas County | 38,431 | 12,788.57 | 10,639.75 | **83.20%** | | Grant County | 89,120 | 57,246.90 | 48,933.10 | **85.48%** | | Okanogan County | 41,120 | 26,757.72 | 14,471.59 | **54.08%** | | Washington | 6,745,752 | 1,199,964.98 | 834,968.77 | 69.58% | | United States | 312,676,557 | 52,826,822.65 | 32,117,352.05 | 60.80% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Health Resources and Services Administration, Health Professional Shortage Area File, 2012*](http://bhpr.hrsa.gov/shortage/hpsas/index.html)*. Source geography: HPSA.* | **Percent of Designated Population Underserved**  Report Area Washington United States |

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Preventable Hospital Events

This indicator reports the discharge rate (per 1,000 hospital admissions) for conditions that are ambulatory care sensitive (those admissions which could have been prevented if adequate primary care resources were available and accessed by those patients). This indicator is relevant because analysis of ACS discharges allows demonstrating a possible “return on investment” from interventions that reduce admissions (for example, for uninsured or Medicaid patients) through better access to primary care resources.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Medicare Enrollees (Age 65-75) | Preventable Hospital Admissions (ACSCs) | Preventable Hospital Admission (ACSC) Rate (Per 1,000 Medicare Enrollees) | | --- | --- | --- | --- | | Report Area | 25,255 | 1,233 | **48.82** | | Chelan County | 8,739 | 418 | **47.83** | | Douglas County | 3,504 | 158 | **45.09** | | Grant County | 7,796 | 407 | **52.21** | | Okanogan County | 5,216 | 250 | **47.93** | | Washington | 512,968 | 25,174 | 49.08 | | United States | 53,239,865 | 4,053,740 | 76.14 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Dartmouth Atlas of Healthcare, Selected Measures of Primary Care Access and Quality, 2003-2007*](http://www.dartmouthatlas.org/tools/downloads.aspx)*. Source geography: County.* | **Preventable Hospital Admission (ACSC) Rate (Per 1,000 Medicare Enrollees)**  Report Area Washington United States |

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**Health Behaviors**

Health behaviors such as poor diet, a lack of exercise, and substance abuse contribute to poor health status.

Heavy Alcohol Consumption

This indicator reports the percentage of adults aged 18 and older who self-report heavy alcohol consumption (defined as more than two drinks per day for men and one drink per day for women). This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as cirrhosis, cancers, and untreated mental and behavioral health needs.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Heavy Drinkers | Percent Heavy Drinkers | | --- | --- | --- | --- | | Report Area | 166,193 | 25,343.01 | **15.25%** | | Chelan County | 52,580 | 8,255.06 | **15.70%** | | Douglas County | 26,099 | 4,019.25 | **15.40%** | | Grant County | 57,596 | 7,833.06 | **13.60%** | | Okanogan County | 29,918 | 5,235.65 | **17.50%** | | Washington | 1,716,677 | 286,685 | 16.70% | | United States | 111,821,887 | 18,576,867 | 16.61% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Heavy Drinkers**  Report Area Washington United States |

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Inadequate Fruit/Vegetable Consumption (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report consuming less than 5 servings of fruits and vegetables each day. This indicator is relevant because current behaviors are determinants of future health, and because unhealthy eating habits may illustrate a cause of significant health issues, such as obesity and diabetes.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Population Consuming Few Fruits or Vegetables | Percent Consuming Few Fruits or Vegetables | | --- | --- | --- | --- | | Report Area | 166,193 | 127,016.43 | **76.43%** | | Chelan County | 52,580 | 39,750.48 | **75.60%** | | Douglas County | 26,099 | 19,600.35 | **75.10%** | | Grant County | 57,596 | 45,616.03 | **79.20%** | | Okanogan County | 29,918 | 22,049.57 | **73.70%** | | Washington | 1,716,677 | 1,289,224 | 75.10% | | United States | 111,821,887 | 84,891,309 | 75.92% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2003-2009*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Consuming Few Fruits or Vegetables**  Report Area Washington United States |

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Physical Inactivity (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report no leisure time for activity, based on the question: "During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?". This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as obesity and poor cardiovascular health.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Physically Inactive | Percent Physically Inactive | | --- | --- | --- | --- | | Report Area | 166,193 | 39,822.94 | **23.96%** | | Chelan County | 52,580 | 11,304.70 | **21.50%** | | Douglas County | 26,099 | 5,872.28 | **22.50%** | | Grant County | 57,596 | 15,435.73 | **26.80%** | | Okanogan County | 29,918 | 7,210.24 | **24.10%** | | Washington | 1,716,677 | 312,435 | 18.20% | | United States | 111,821,887 | 27,579,949 | 24.66% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Physically Inactive**  Report Area Washington United States |

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Tobacco Usage (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report currently smoking cigarettes some days or every day. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Cigarette Smokers | Percent Cigarette Smokers | | --- | --- | --- | --- | | Report Area | 166,193 | 29,529 | **17.77%** | | Chelan County | 52,580 | 7,992 | **15.20%** | | Douglas County | 26,099 | 4,489 | **17.20%** | | Grant County | 57,596 | 10,137 | **17.60%** | | Okanogan County | 29,918 | 6,911 | **23.10%** | | Washington | 1,716,677 | 284,968 | 16.60% | | United States | 111,821,887 | 21,551,350 | 19.27% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Cigarette Smokers**  Report Area Washington United States |

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**Health Outcomes**

Measuring morbidity and mortality rates allows assessing linkages between social determinants of health and outcomes. By comparing, for example, the prevalence of certain chronic diseases to indicators in other categories (e.g., poor diet and exercise) with outcomes (e.g., high rates of obesity and diabetes), various causal relationship may emerge, allowing a better understanding of how certain community health needs may be addressed.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Top 10 Causes of Death 2007-2011, Age Adjusted Rates** | | | | | | | |  |  |  |
|  | Source: WA DOH Community Health Assessment Tool | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chelan Top 10 Causes** | **Age Adjusted Deaths Per 100K Population** | **Douglas Top 10 Causes** | **Age Adjusted Deaths Per 100K Population** | **Grant Top 10 Causes** | **Age Adjusted Deaths Per 100K Population** | **Okanogan Top 10 Causes** | **Age Adjusted Deaths Per 100K Population** | **State Top 10 Causes** | **Age Adjusted Deaths Per 100K Population** |
| 1 | Major cardiovascular diseases | 193.45 | Major cardiovascular diseases | 199.18 | Major cardiovascular diseases | 224.3 | Major cardiovascular diseases | 227.32 | Major cardiovascular diseases | 211.12 |
| 2 | Malignant neoplasms | 166.46 | Malignant neoplasms | 170.92 | Malignant neoplasms | 180.34 | Malignant neoplasms | 176.8 | Malignant neoplasms | 173.01 |
| 3 | Alzheimer's disease | 48.91 | Alzheimer's disease | 52.1 | Chronic lower respiratory diseases | 51.92 | Accidents | 60.09 | Alzheimer's disease | 44.02 |
| 4 | Chronic lower respiratory diseases | 42.35 | Chronic lower respiratory diseases | 41.38 | Accidents | 51.05 | Chronic lower respiratory diseases | 53.86 | Chronic lower respiratory diseases | 43.49 |
| 5 | Accidents | 40.86 | Accidents | 30.84 | Alzheimer's disease | 37.86 | Alzheimer's disease | 35.33 | Accidents | 38.82 |
| 6 | Diabetes mellitus | 19.77 | Diabetes mellitus | 24.03 | Diabetes mellitus | 30.73 | Intentional self-harm (suicide) | 24.8 | Diabetes mellitus | 22.84 |
| 7 | Intentional self-harm (suicide) | 13.78 | Intentional self-harm (suicide) | 13.96 | Influenza and pneumonia | 12.58 | Diabetes mellitus | 24.21 | Intentional self-harm (suicide) | 13.4 |
| 8 | Chronic liver disease and cirrhosis | 9.96 | Chronic liver disease and cirrhosis | 8.79 | Intentional self-harm (suicide) | 12.13 | Chronic liver disease and cirrhosis | 18.38 | Influenza and pneumonia | 10.48 |
| 9 | Parkinson's disease | 7.59 | Influenza and pneumonia | 7.47 | Chronic liver disease and cirrhosis | 11.74 | Influenza and pneumonia | 10.01 | Chronic liver disease and cirrhosis | 10 |
| 10 | Influenza and pneumonia | 6.63 | Certain conditions originating in the perinatal period | 5.96 | Parkinson's disease | 7.55 | Parkinson's disease | 8.14 | Parkinson's disease | 8.16 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Top 10 Hospitalization Diagnoses 2007-2011** | | | | | | | |  |  |  |
|  | Source: WA DOH Community Health Assessment Tool | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Chelan Top 10 Dx** | **Age Adjusted Admissions Per 100K Population** | **Douglas Top 10 Dx** | **Age Adjusted Admissions Per 100K Population** | **Grant Top 10 Dx** | **Age Adjusted Admissions Per 100K Population** | **Okanogan Top 10 Dx** | **Age Adjusted Admissions Per 100K Population** | **State Top 10 Dx** | **Age Adjusted Admissions Per 100K Population** |
| 1 | Complications of pregnancy; childbirth; and the puerperium | 2108.83 | Complications of pregnancy; childbirth; and the puerperium | 1947.5 | Complications of pregnancy; childbirth; and the puerperium | 2458.04 | Complications of pregnancy; childbirth; and the puerperium | 2345.42 | Certain conditions originating in the perinatal period | 1689.08 |
| 2 | Certain conditions originating in the perinatal period | 1858.04 | Certain conditions originating in the perinatal period | 1759.21 | Certain conditions originating in the perinatal period | 1829.97 | Certain conditions originating in the perinatal period | 1908.36 | Complications of pregnancy; childbirth; and the puerperium | 1666.63 |
| 3 | Diseases of the circulatory system | 1316.84 | Diseases of the circulatory system | 1382.05 | Diseases of the circulatory system | 1603.8 | Diseases of the circulatory system | 1510.62 | Diseases of the circulatory system | 1547.38 |
| 4 | Diseases of the digestive system | 933.63 | Diseases of the digestive system | 919.67 | Diseases of the respiratory system | 960.94 | Injury and poisoning | 1224.66 | Diseases of the digestive system | 1069.27 |
| 5 | Injury and poisoning | 931.81 | Diseases of the musculoskeletal system and connective tissue | 872.92 | Injury and poisoning | 960.32 | Diseases of the digestive system | 1168.69 | Injury and poisoning | 958.34 |
| 6 | Diseases of the musculoskeletal system and connective tissue | 928.26 | Injury and poisoning | 829.6 | Diseases of the digestive system | 915.14 | Diseases of the respiratory system | 1087.22 | Diseases of the respiratory system | 915.11 |
| 7 | Diseases of the respiratory system | 881.5 | Diseases of the respiratory system | 751.89 | Diseases of the musculoskeletal system and connective tissue | 848.28 | Diseases of the musculoskeletal system and connective tissue | 913.31 | Diseases of the musculoskeletal system and connective tissue | 771.71 |
| 8 | Neoplasms | 562.54 | Neoplasms | 510.82 | Diseases of the genitourinary system | 562.12 | Diseases of the genitourinary system | 701.22 | Neoplasms | 565.28 |
| 9 | Diseases of the genitourinary system | 511.52 | Diseases of the genitourinary system | 461.75 | Neoplasms | 536.5 | Neoplasms | 624.7 | Diseases of the genitourinary system | 554.57 |
| 10 | Endocrine; nutritional; and metabolic diseases and immunity disorders | 350.51 | Endocrine; nutritional; and metabolic diseases and immunity disorders | 315.28 | Endocrine; nutritional; and metabolic diseases and immunity disorders | 331.69 | Mental Illness | 454.84 | Mental Illness | 530.18 |

Accident Mortality

This indicator reports the rate of death due to unintentional injury (accident) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because accidents are a leading cause of death in the U.S.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population,  2006-2010 Average | Annual Deaths,  2006-2010 Average | Crude Death Rate  (Per 100,000 Pop.) | Age-Adjusted Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | --- | | Report Area | 233,295 | 121 | 51.87 | **50.78** | | Chelan County | 70,939 | 33 | 47.08 | **41.40** | | Douglas County | 37,129 | 14 | 38.78 | **39.29** | | Grant County | 85,017 | 46 | 54.34 | **56.88** | | Okanogan County | 40,210 | 27 | 67.15 | **65.03** | | Washington | 6,557,307 | 2,670 | 40.71 | **39.89** | | United States | 303,844,430 | 121,217 | 39.89 | **39.07** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  |  | <= 36.0 |   *Note: This indicator is compared with the Healthy People 2020 Target.*  *Data Source:* [*Centers for Disease Control and Prevention, National Center for Health Statistics, Underlying Cause of Death, 2006-2010.*](http://www.cdc.gov/nchs/nvss.htm) *. Accessed through* [*CDC WONDER*](http://wonder.cdc.gov/)*. Source geography: County.* | **Age-Adjusted Death Rate (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

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**Population by Gender, Accident Mortality, Age-Adjusted Rate (Per 100,000 Pop.)**

| Report Area | Male | Female |
| --- | --- | --- |
| Report Area | 66.67 | 34.58 |
| Chelan County | 53.19 | 30.03 |
| Douglas County | 57.72 | 18.94 |
| Grant County | 72.39 | 41.68 |
| Okanogan County | 86.14 | 42.42 |
| Washington | 53.02 | 27.70 |
| United States | 53.82 | 25.53 |

Asthma Prevalence

This indicator reports the percentage of adults aged 18 and older who self-report that they have ever been told by a doctor, nurse, or other health professional that they had asthma. This indicator is relevant because asthma is a prevalent problem in the U.S. that is often exacerbated by poor environmental conditions.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults with Asthma | Percent Adults with Asthma | | --- | --- | --- | --- | | Report Area | 169,842 | 22,080 | **13.00%** | | Chelan County | 53,020 | 6,813 | **12.85%** | | Douglas County | 26,980 | 3,588 | **13.30%** | | Grant County | 59,156 | 7,211 | **12.19%** | | Okanogan County | 30,686 | 4,468 | **14.56%** | | Washington | 5,000,516 | 749,577 | 14.99% | | United States | 232,747,222 | 30,473,296.44 | 13.09% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults with Asthma**  Report Area Washington United States |

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Breast Cancer Incidence

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of females with breast cancer adjusted to 2000 U.S. standard population age groups (Under Age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population, ACS 2005-2009 | Annual Incidence,  2005-2009 Average | Annual Incidence Rate  (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 230,131 | 255 | **110.80** | | Chelan County | 70,668 | 79 | **112.40** | | Douglas County | 36,145 | 44 | **120.40** | | Grant County | 83,612 | 92 | **109.70** | | Okanogan County | 39,706 | 40 | **101.30** | | Washington | 6,465,755 | 8,522 | 131.80 | | United States | 301,461,536 | 367,783 | 122 |   *Note: This indicator is compared with the state average.*  *Data Source:* [*The Centers for Disease Control and Prevention, and the National Cancer Institute: State Cancer Profiles, 2005-2009*](http://statecancerprofiles.cancer.gov/)*. Source geography: County.* | **Annual Incidence Rate  (Per 100,000 Pop.)**  Report Area Washington United States |

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Cancer Mortality

This indicator reports the rate of death due to malignant neoplasm (cancer) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because cancer is a leading cause of death in the United States.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population,  2006-2010 Average | Annual Deaths,  2006-2010 Average | Crude Death Rate  (Per 100,000 Pop.) | Age-Adjusted Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | --- | | Report Area | 233,295 | 450 | 192.89 | **173.89** | | Chelan County | 70,939 | 142 | 199.89 | **161.54** | | Douglas County | 37,129 | 72 | 192.84 | **178.84** | | Grant County | 85,017 | 146 | 172.20 | **181.97** | | Okanogan County | 40,210 | 90 | 224.32 | **174.02** | | Washington | 6,557,307 | 11,607 | 177.01 | **174.90** | | United States | 303,844,430 | 566,121 | 186.32 | **176.66** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  |  | <= 160.6 |   *Note: This indicator is compared with the Healthy People 2020 Target.*  *Data Source:* [*Centers for Disease Control and Prevention, National Center for Health Statistics, Underlying Cause of Death, 2006-2010.*](http://www.cdc.gov/nchs/nvss.htm) *. Accessed through* [*CDC WONDER*](http://wonder.cdc.gov/)*. Source geography: County.* | **Age-Adjusted Death Rate (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

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| --- | --- |
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**Population by Gender, Cancer Mortality, Age-Adjusted Rate (Per 100,000 Pop.)**

| Report Area | Male | Female |
| --- | --- | --- |
| Report Area | 210.89 | 144.82 |
| Chelan County | 187.37 | 141.05 |
| Douglas County | 223.79 | 142.63 |
| Grant County | 222.31 | 151.80 |
| Okanogan County | 215.68 | 139.02 |
| Washington | 206.71 | 152.22 |
| United States | 215.04 | 150.05 |

Cervical Cancer Incidence

Cervical cancer incidence chart from CHAT to be added here by Kling.

Colon and Rectum Cancer Incidence

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of colon and rectum cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population, ACS 2005-2009 | Annual Incidence,  2005-2009 Average | Annual Incidence Rate  (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 230,131 | 92 | **39.90** | | Chelan County | 70,668 | 27 | **38.80** | | Douglas County | 36,145 | 15 | **42.40** | | Grant County | 83,612 | 33 | **39** | | Okanogan County | 39,706 | 17 | **41.60** | | Washington | 6,465,755 | 2,741 | **42.40** | | United States | 301,461,536 | 121,188 | **40.20** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  | <= 38.6 |   *Note: This indicator is compared with the Healthy People 2020 Target.*  *Data Source:* [*The Centers for Disease Control and Prevention, and the National Cancer Institute: State Cancer Profiles, 2005-2009*](http://statecancerprofiles.cancer.gov/)*. Source geography: County.* | **Annual Incidence Rate  (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

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Diabetes Prevalence

This indicator reports the percentage of adults aged 20 and older who have ever been told by a doctor that they have diabetes. This indicator is relevant because diabetes is a prevalent problem in the U.S.; it may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population  (Age 20 ) | Population with Diabetes | Percent with Diabetes | | --- | --- | --- | --- | | Report Area | 185,757.69 | 14,765 | **7.95%** | | Chelan County | 60,589.04 | 4,423 | **7.30%** | | Douglas County | 28,897.44 | 2,254 | **7.80%** | | Grant County | 60,321.84 | 5,248 | **8.70%** | | Okanogan County | 35,949.37 | 2,840 | **7.90%** | | Washington | 5,099,075.37 | 395,186 | 7.75% | | United States | 239,583,791.97 | 21,015,523 | 8.77% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*Centers for Disease Control and Prevention, National Diabetes Surveillance System, 2009*](http://apps.nccd.cdc.gov/DDTSTRS/)*. Source geography: County.* | **Percent with Diabetes**  Report Area Washington United States |

|  |  |
| --- | --- |
|  |  |

**Population by Gender, Adults with Diabetes, Percentage (Age-Adjusted)**

| Report Area | Male | Female |
| --- | --- | --- |
| Report Area | 8.60% | 7.43% |
| Chelan County | 7.60% | 7% |
| Douglas County | 8.30% | 7.30% |
| Grant County | 9.60% | 7.90% |
| Okanogan County | 8.60% | 7.40% |
| Washington | 8.28% | 7.22% |
| United States | 9.48% | 8.08% |

Heart Disease Mortality

This indicator reports the rate of death due to coronary heart disease per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because heart disease is a leading cause of death in the United States.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population,  2006-2010 Average | Annual Deaths,  2006-2010 Average | Crude Death Rate  (Per 100,000 Pop.) | Age-Adjusted Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | --- | | Report Area | 233,295 | 302 | 129.28 | **115.75** | | Chelan County | 70,939 | 99 | 139.56 | **104.19** | | Douglas County | 37,129 | 41 | 110.43 | **103.13** | | Grant County | 85,017 | 104 | 122.56 | **130.84** | | Okanogan County | 40,210 | 57 | 142.75 | **115.88** | | Washington | 6,557,307 | 8,065 | 122.99 | **121.14** | | United States | 303,844,430 | 432,552 | 142.36 | **134.65** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  |  | <= 100.8 |   *Note: This indicator is compared with the Healthy People 2020 Target.*  *Data Source:* [*Centers for Disease Control and Prevention, National Center for Health Statistics, Underlying Cause of Death, 2006-2010.*](http://www.cdc.gov/nchs/nvss.htm) *. Accessed through* [*CDC WONDER*](http://wonder.cdc.gov/)*. Source geography: County.* | **Age-Adjusted Death Rate (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

|  |  |
| --- | --- |
|  |  |

**Population by Gender, Coronary Heart Disease Mortality, Age-Adjusted Rate (Per 100,000 Pop.)**

| Report Area | Male | Female |
| --- | --- | --- |
| Report Area | 149.38 | 86.86 |
| Chelan County | 138.84 | 75.83 |
| Douglas County | 134.48 | 78.50 |
| Grant County | 166.41 | 99.68 |
| Okanogan County | 144.95 | 87.54 |
| Washington | 158.97 | 91.07 |
| United States | 175 | 103.44 |

Heart Disease Prevalence

This indicator reports the percentage of adults aged 18 and older who have ever been told by a doctor that they have coronary heart disease or angina. This indicator is relevant because coronary heart disease is a leading cause of death in the U.S. and is also related to high blood pressure, high cholesterol, and heart attacks.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults with Heart Disease | Percent Adults with Heart Disease | | --- | --- | --- | --- | | Report Area | 169,842 | 6,727 | **3.96%** | | Chelan County | 53,020 | 2,269 | **4.28%** | | Douglas County | 26,980 | 1,063 | **3.94%** | | Grant County | 59,156 | 1,923 | **3.25%** | | Okanogan County | 30,686 | 1,473 | **4.80%** | | Washington | 5,000,516 | 173,018 | 3.46% | | United States | 232,747,222 | 9,911,760.85 | 4.26% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults with Heart Disease**  Report Area Washington United States |

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HIV Prevalence

This indicator reports prevalence rate of HIV per 100,000 population. This indicator is relevant because HIV is a life-threatening communicable disease that disproportionately affects minority populations and may also indicate the prevalence of unsafe sex practices.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population ACS 2005-2009 | Estimated Population with HIV | HIV Prevalence Rate | | --- | --- | --- | --- | | Report Area | 230,131 | 115 | **49.90** | | Chelan County | 70,668 | 45 | **64.90** | | Douglas County | 36,145 | 6 | **16.90** | | Grant County | 83,612 | 35 | **42.30** | | Okanogan County | 39,706 | 29 | **75.30** | | Washington | 6,465,755 | 12,013 | 185.80 | | United States | 297,679,913 | 994,491 | 334 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention and the National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, 2008*](http://www.cdc.gov/nchhstp/)*. Source geography: County.* | **HIV Prevalence Rate**  Report Area Washington United States |

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Homicide

Infant Mortality

This indicator reports the rate of deaths to infants less than one year of age per 1,000 births. This indicator is relevant because high rates of infant mortality indicate the existence of broader issues pertaining to access to care and maternal and child health.

Teen Births

This indicator reports the rate of total births to women under the age of 15 - 19 per 1,000 female population age 15 - 19. This indicator is relevant because in many cases, teen parents have unique social, economic, and health support services. Additionally, high rates of teen pregnancy may indicate the prevalence of unsafe sex practices.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Female Population  Age 15 - 19 | Births to Mothers Age 15 - 19 | Teen Birth Rate (Per 1,000 Births) | | --- | --- | --- | --- | | Report Area | 59,930 | 3,349 | **55.88** | | Chelan County | 17,668 | 788 | **44.60** | | Douglas County | 9,156 | 434 | **47.40** | | Grant County | 22,748 | 1,606 | **70.60** | | Okanogan County | 10,358 | 521 | **50.30** | | Washington | 1,498,685 | 49,007 | 32.70 | | United States | 72,071,117 | 2,969,330 | 41.20 |   *Note: This indicator is compared with the state average.*  *Data Source:* [*Centers for Disease Control and Prevention, National Vital Statistics Systems, 2003-2009*](http://www.cdc.gov/nchs/births.htm)*. Accessed through the* [*Health Indicators Warehouse*](http://healthindicators.gov/)*. Source geography: County.* | **Teen Birth Rate (Per 1,000 Births)**  Report Area Washington United States |

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Low Birth Weight

This indicator reports the percentage of total births that were low birth weight (Under 2500g). This indicator is relevant because low birth weight infants are at high risk for health problems. This indicator can also highlight the existence of health disparities.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Births | Number Low Birth Weight (< 2500g) | Percent Low Birth Weight | | --- | --- | --- | --- | | Report Area | 24,370 | 1,523 | **6.25%** | | Chelan County | 6,685 | 400 | **5.98%** | | Douglas County | 3,508 | 195 | **5.56%** | | Grant County | 10,457 | 665 | **6.36%** | | Okanogan County | 3,720 | 263 | **7.07%** | | Washington | 587,603 | 36,477 | 6.21% | | United States | 29,126,451 | 2,359,843 | 8.10% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, National Vital Statistics Systems, 2003-2009*](http://www.cdc.gov/nchs/births.htm)*. Accessed through the* [*Health Indicators Warehouse*](http://healthindicators.gov/)*. Source geography: County.* | **Percent Low Birth Weight**  Report Area Washington United States |

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Lung Cancer Incidence

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of lung cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population, ACS 2005-2009 | Annual Incidence,  2005-2009 Average | Annual Incidence Rate  (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 230,131 | 128 | **55.60** | | Chelan County | 70,668 | 36 | **51.40** | | Douglas County | 36,145 | 19 | **52.40** | | Grant County | 83,612 | 50 | **59.70** | | Okanogan County | 39,706 | 23 | **56.80** | | Washington | 6,465,755 | 4,151 | 64.20 | | United States | 301,461,536 | 202,582 | 67.20 |   *Note: This indicator is compared with the state average.*  *Data Source:* [*The Centers for Disease Control and Prevention, and the National Cancer Institute: State Cancer Profiles, 2005-2009*](http://statecancerprofiles.cancer.gov/)*. Source geography: County.* | **Annual Incidence Rate  (Per 100,000 Pop.)**  Report Area Washington United States |

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Lung Disease Mortality

This indicator reports the rate of death due to chronic lower respiratory disease per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because lung disease is a leading cause of death in the United States.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population,  2006-2010 Average | Annual Deaths,  2006-2010 Average | Crude Death Rate  (Per 100,000 Pop.) | Age-Adjusted Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | --- | | Report Area | 233,295 | 116 | 49.89 | **44.97** | | Chelan County | 70,939 | 37 | 52.44 | **41.06** | | Douglas County | 37,129 | 15 | 40.94 | **38.95** | | Grant County | 85,017 | 38 | 44.93 | **48.30** | | Okanogan County | 40,210 | 26 | 64.16 | **50.37** | | Washington | 6,557,307 | 2,789 | 42.54 | 43.30 | | United States | 303,844,430 | 133,806 | 44.04 | 42.40 |   *Note: This indicator is compared with the state average.*  *Data Source:* [*Centers for Disease Control and Prevention, National Center for Health Statistics, Underlying Cause of Death, 2006-2010.*](http://www.cdc.gov/nchs/nvss.htm) *. Accessed through* [*CDC WONDER*](http://wonder.cdc.gov/)*. Source geography: County.* | **Age-Adjusted Death Rate (Per 100,000 Pop.)**  Report Area Washington United States |

|  |  |
| --- | --- |
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Motor Vehicle Crash Death

This indicator reports the rate of death due to motor vehicle crashes per 100,000 population, which include collisions with another motor vehicle, a nonmotorist, a fixed object, and a non-fixed object, an overturn, and any other non-collision. This indicator is relevant because motor vehicle crash deaths are preventable and they are a cause of premature death.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Deaths, 2008-2010 | Average Annual Deaths, 2008-2010 | Average Annual Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 119 | 39 | **16.40** | | Chelan County | 25 | 8 | **11.50** | | Douglas County | 6 | 2 | **5.20** | | Grant County | 60 | 20 | **22.44** | | Okanogan County | 28 | 9 | **22.70** | | Washington | 1,458 | 486 | **7.20** | | United States | 103,048 | 34,349 | **11.13** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  | <= 12.4 |   *Note: This indicator is compared with the Healthy People 2020 Target. No breakout data available.*  *Data Source:* [*National Highway Traffic Safety Administration, Fatality Analysis Reporting System, 2008-2010*](http://www-fars.nhtsa.dot.gov/Main/index.aspx)*. Source geography: County.* | **Average Annual Death Rate (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

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| --- | --- |
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Obesity (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report that they have a Body Mass Index (BMI) greater than 30.0 (obese). This indicator is relevant because excess weight is a prevalent problem in the U.S.; it indicates an unhealthy lifestyle and puts individuals at risk for further health issues.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population  (Age 20 ) | Number Obese | Percent Obese | | --- | --- | --- | --- | | Report Area | 166,448.79 | 46,952 | **28.21%** | | Chelan County | 52,454.55 | 12,694 | **24.20%** | | Douglas County | 26,231.05 | 7,266 | **27.70%** | | Grant County | 58,308.64 | 18,892 | **32.40%** | | Okanogan County | 29,454.55 | 8,100 | **27.50%** | | Washington | 4,946,122.84 | 1,341,720 | 27.13% | | United States | 224,690,904.71 | 61,460,308 | 27.35% |   *Note: This indicator is compared with the state average.*  *Data Source:* [*Centers for Disease Control and Prevention, National Diabetes Surveillance System, 2009*](http://apps.nccd.cdc.gov/DDTSTRS/)*. Source geography: County.* | **Percent Obese**  Report Area Washington United States |

|  |  |
| --- | --- |
|  | **Pct. Adults Obese (BMI >25.0), By County, CDC National Diabetes Surveillance System, 2009** Over 32.0% 30.1 - 32.0% 28.1 - 30.0% 26.1 - 28.0% Under 26.1% |

**Population by Gender, Adults Obese, Percentage (Age-Adjusted)**

| Report Area | Male | Female |
| --- | --- | --- |
| Report Area | 29.36% | 27.01% |
| Chelan County | 25.70% | 22.60% |
| Douglas County | 28.50% | 26.90% |
| Grant County | 33.70% | 31.10% |
| Okanogan County | 27.80% | 27.20% |
| Washington | 28.03% | 26.10% |
| United States | 28.30% | 26.03% |

Overweight (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report that they have a Body Mass Index (BMI) between 25.0 and 30.0 (overweight). This indicator is relevant because excess weight is a prevalent problem in the U.S.; it indicates an unhealthy lifestyle and puts individuals at risk for further health issues.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Overweight | Percent Overweight | | --- | --- | --- | --- | | Report Area | 169,842 | 61,123 | **35.99%** | | Chelan County | 53,020 | 18,880 | **35.61%** | | Douglas County | 26,980 | 10,393 | **38.52%** | | Grant County | 59,156 | 21,095 | **35.66%** | | Okanogan County | 30,686 | 10,755 | **35.05%** | | Washington | 5,000,516 | 1,796,185 | 35.92% | | United States | 232,747,222 | 84,521,271.09 | 36.31% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Overweight**  Report Area Washington United States |

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Poor Dental Health

This indicator reports the percentage of adults age 18 and older who self-report that six or more of their permanent teeth have been removed due to tooth decay, gum disease, or infection. This indicator is relevant because it indicates lack of access to dental care and/or social barriers to utilization of dental services.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population (Age 18 ) | Number Adults with Poor Dental Health | Percent Adults with Poor Dental Health | | --- | --- | --- | --- | | Report Area | 169,842 | 25,947 | **15.28%** | | Chelan County | 53,020 | 7,672 | **14.47%** | | Douglas County | 26,980 | 4,419 | **16.38%** | | Grant County | 59,156 | 8,891 | **15.03%** | | Okanogan County | 30,686 | 4,965 | **16.18%** | | Washington | 5,000,516 | 601,062 | 12.02% | | United States | 232,747,222 | 36,229,520 | 15.57% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2006-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Adults with Poor Dental Health**  Report Area Washington United States |

|  |  |
| --- | --- |
|  |  |

Poor General Health

This indicator reports the percentage of adults age 18 and older who self-report having poor or fair health. This indicator is relevant because it is a measure of general poor health status. The source of this indicator is the Centers for Disease Control and Prevention, Behavioral Risk Factors Surveillance System (BRFSS) 2010.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population  (Age 18 ) | Number Reporting Poor General Health | Percent Reporting Poor General Health | | --- | --- | --- | --- | | Report Area | 166,193 | 27,962.46 | **16.83%** | | Chelan County | 52,580 | 7,729 | **14.70%** | | Douglas County | 26,099 | 4,045 | **15.50%** | | Grant County | 57,596 | 10,713 | **18.60%** | | Okanogan County | 29,918 | 5,475 | **18.30%** | | Washington | 1,716,677 | 228,318 | 13.30% | | United States | 111,821,887 | 18,188,242 | 16.27% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System, 2004-2010*](http://www.cdc.gov/brfss/)*. Source geography: County.* | **Percent Reporting Poor General Health**  Report Area Washington United States |

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Population with Any Disability

This indicator reports the percentage of the total civilian noninstitutionalized population with a disability. This indicator is relevant because disabled individuals comprise a vulnerable population that requires targeted services and outreach by providers.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Population for Whom Disability Status Is Determined | Total Population with a Disability | Percent Population with a Disability | | --- | --- | --- | --- | | Report Area | 236,225 | 31,391 | **13.29%** | | Chelan County | 71,344 | 9,162 | **12.84%** | | Douglas County | 37,765 | 5,465 | **14.47%** | | Grant County | 86,550 | 10,683 | **12.34%** | | Okanogan County | 40,566 | 6,081 | **14.99%** | | Washington | 6,546,049 | 783,920 | 11.98% | | United States | 301,501,760 | 36,180,124 | 12% |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*U.S. Census Bureau, 2008-2010 American Community Survey 3-Year Estimates*](http://www.census.gov/acs/www/data_documentation/2010_release/)*. Source geography: Tract.* | **Percent Population with a Disability**  Report Area Washington United States |

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| --- | --- |
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Premature Death

This indicator reports Years of Potential Life Lost (YPLL) before age 75 per 100,000 population for all causes of death, age-adjusted to the 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75 year benchmark. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Report Area | Total Population, 2006-2008 Average | Annual Premature Deaths, 2006-2008 Average | Years of Potential Life Lost  (Rate per 100,000 Pop.) | | --- | --- | --- | --- | | Report Area | 214,537 | 764 | **6,515** | | Chelan County | 64,859 | 203 | **5,054** | | Douglas County | 34,222 | 107 | **6,101** | | Grant County | 78,439 | 263 | **6,985** | | Okanogan County | 37,017 | 191 | **8,462** | | Washington | 6,106,539 | 19,716 | 5,888 | | United States | 283,115,015 | 1,058,493 | 7,131 |   *Note: This indicator is compared with the state average. No breakout data available.*  *Data Source:* [*Centers for Disease Control and Prevention, National Vital Statistics System, 2008-2010 (As Reported in the 2012 County Health Rankings)*](http://www.cdc.gov/nchs/nvss.htm)*. Source geography: County.* | **Years of Potential Life Lost  (Rate per 100,000 Pop.)**  Report Area Washington United States |

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| --- | --- |
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Suicide

This indicator reports the rate of death due to intentional self-harm (suicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because suicide is an indicator of poor mental health.

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| | Report Area | Total Population,  2006-2010 Average | Annual Deaths,  2006-2010 Average | Crude Death Rate  (Per 100,000 Pop.) | Age-Adjusted Death Rate (Per 100,000 Pop.) | | --- | --- | --- | --- | --- | | Report Area | 233,295 | 34 | 14.57 | **15.21** | | Chelan County | 70,939 | 9 | 12.69 | **12.77** | | Douglas County | 37,129 | 6 | 15.08 | **16.80** | | Grant County | 85,017 | 10 | 12 | **12.70** | | Okanogan County | 40,210 | 9 | 22.88 | **23.34** | | Washington | 6,557,307 | 888 | 13.55 | **13.16** | | United States | 303,844,430 | 35,841 | 11.80 | **11.57** | | [HP 2020 Target](http://www.healthypeople.gov/2020/about/default.aspx) |  |  |  | <= 10.2 |   *Note: This indicator is compared with the Healthy People 2020 Target.*  *Data Source:* [*Centers for Disease Control and Prevention, National Center for Health Statistics, Underlying Cause of Death, 2006-2010.*](http://www.cdc.gov/nchs/nvss.htm) *. Accessed through* [*CDC WONDER*](http://wonder.cdc.gov/)*. Source geography: County.* | **Age-Adjusted Death Rate (Per 100,000 Pop.)**  Report Area HP 2020 Target United States |

|  |  |
| --- | --- |
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**Community Health Needs Assessment – Health Data Appendix**

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