



**Demographics Explorer**  
**Healthier Washington Dashboard Documentation**

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## Introduction

The Washington State Department of Health Data Visualization Dashboards contain a series of interactive dashboards that allows you to explore data on populations and measures of Washington State. The dashboards integrate data from multiple sources, including the American Community Survey (ACS) and Office of Financial Management (OFM).

## Tableau Display Settings

End users will be able to access this software using a web browser on any of below supported platforms:

- Chrome on Windows, Mac, and Android 4.4 or later
- Apple Safari on Mac and iOS 8.x or later
- Internet Explorer 11 or newer
- Mozilla Firefox 3.x or later on Windows and Mac
- Desktop Browser (1000 x 800)
- Generic Desktop (1366 x 768)

## Reader System Requirements

Windows	Microsoft Windows 7 or newer.
	2 GB memory
	1.5 GB minimum free disk space
	(32-bit through version 10.4 and 64-bit)
Mac	iMac/MacBook computers 2009 or newer
	OSX 10.10 or newer
	1.5 GB minimum free disk space

## Display Setting Troubleshooting

**Lag Time:** You may notice lag time when switching between tabs or making a selection from a drop-down menu.

**Chart or Maps are Blank:** When filtering, some data in the charts/maps will disappear due to small number suppression or no data available.

### Who should I contact for technical issues or follow-up questions?

If you experience issues at any time while attempting to interact with the portal (e.g., logging in), you can contact the agency's [Tableau Support Team](#).

## Demographics Explorer Overview

This dashboard shows demographic information for residents of Washington State at the county and Accountable Communities of Health (ACH) levels. Variables include population counts, age, gender, race, ethnicity and languages spoken.

### What kind of questions can this dashboard answer?

How many Spanish speakers live in Adams County? How does that compare to other counties?

### How do I interact with this dashboard?

You can explore different geographic scales (ACH or county) and specific regions (specific ACH or county) using the dropdown menus in the upper left of the dashboard. The bar graphs displaying age, gender, race, ethnicity and languages spoken changes based on the selected geography and region. The population by county chart on the right does not change. By hovering your cursor over the reference map at the lower left of the dashboard, you can highlight the different regions in the county chart on the right.

## Demographics Explorer

Select: drop down options to apply filters to Demographic Charts

### Select a Region

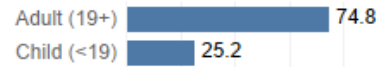
All State

Hover: to highlight regions and county chart.



**Demographic Charts:** Estimated percent of population by group

#### Age Group



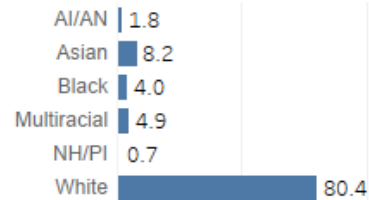
#### Gender



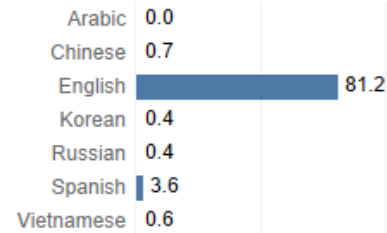
#### Ethnicity



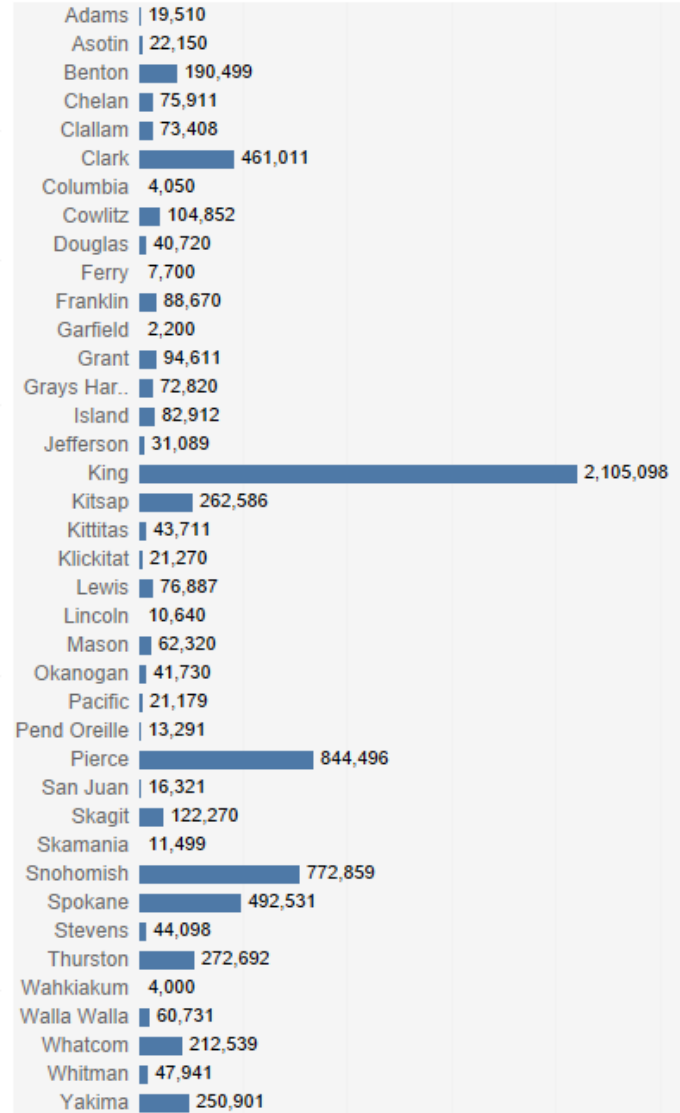
#### Race



#### Language



**County Chart:** The estimated number of people living in each county.



**Note:**

**Data Source:** Office of Financial Management (OFM) 2016 data were used for population, age, gender, race, and ethnicity. US Census American Community Survey (ACS) 2015 data used for Languages spoken.

**Data Suppression:** When filtering, some data in the charts will disappear due to small number suppression or no data available.

## About the Data

Data shown in the Demographics Explorer are from the Washington State Office of Financial Management (OFM) and American Community Survey (ACS).

OFM data come from forecasts made each year using the small area demographic estimates (SADE) approach. The SADE model utilizes OFM county race estimates, county age sex estimates and Small Area Estimates Program (SAEP) data. The SADE model uses an iterative proportional fitting procedure to produce estimates of age, sex, race and ethnicity by small geographic area and year. Additional details on the SADE approach can be found here: <http://www.ofm.wa.gov/pop/asr/>

ACS data are a yearly sub-sample of the US census, which is the census of every U.S. household every 10 years, as required by the U.S. Constitution. This representative sample-based survey gathers characteristics for a subset of the entire population of the United States each year.

You can find supporting documentation on code lists, subject definitions, data accuracy, and statistical testing on the ACS website, Data and Documentation section. You can find sample size and data quality measures (including coverage rates, allocation rates, and response rates) on the ACS website in the Methodology section.

## Caveats

ACS bundles data in one-year, three-year or five-year groups to get more reliable statistical results. In order to have census tract data on all 39 counties in Washington, ACS uses the five-year grouping.

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to non-sampling error (for a discussion of non-sampling variability, see Accuracy of the Data).

### Demographics Explorer Variables

Variable Measure Name	Variable Definition	Data Source
Age	The percentage of the Washington State population that is under 20 years old and the percentage that is 20 years and older	Small Area Demographic Estimates (SADE) by Age, Sex, Race and Hispanic Origin; Washington State Office of Financial Management, Forecasting and Research Division; Version: 20161203_R03_VM; 2016
Gender	The percentage of the Washington State population that is male and the percentage that is female	Small Area Demographic Estimates (SADE) by Age, Sex, Race and Hispanic Origin; Washington State Office of Financial Management, Forecasting and Research Division; Version: 20161203_R03_VM; 2016
Ethnicity	The percentage of the Washington State population that is Hispanic or Latino and the percentage that is non-Hispanic or Latino. A person of Hispanic or Latino origin can be of any race.	Small Area Demographic Estimates (SADE) by Age, Sex, Race and Hispanic Origin; Washington State Office of Financial Management, Forecasting and Research Division; Version: 20161203_R03_VM; 2016
Race	The percentage of the Washington State population that is White or African American (Black), American Indian or Alaska Native (AI/AN), Asian, Native Hawaiian or other Pacific Islander (NH/PI), 2 or more races (Multiracial)	Small Area Demographic Estimates (SADE) by Age, Sex, Race and Hispanic Origin; Washington State Office of Financial Management, Forecasting and Research Division; Version: 20161203_R03_VM; 2016

Languages Spoken	Percentage of the Population over 5 years old that speaks English less than very well that speaks Arabic, Chinese, English, Korean, Russian, Spanish, Vietnamese	ACS Table: "Language spoken at home by ability to speak English for the population 5 years and over" 2011-2015.
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