

An aerial photograph of Missoula, Montana, taken during the 'golden hour' of sunset. The sun is a bright, glowing orb on the right side of the horizon, casting a warm, orange and yellow light across the sky and the city below. The sky is filled with soft, wispy clouds. In the background, a range of dark, forested mountains stretches across the horizon. The city of Missoula is visible in the foreground and middle ground, with a mix of green trees, residential houses, and larger commercial or institutional buildings. A river or stream is visible on the right side of the city. The overall mood is peaceful and scenic.

2021 Missoula Invest Health Health Equity Neighborhood Report

Missoula City-County Health Department

INVEST HEALTH
Strategies for Healthier Cities

A Project of the Robert Wood Johnson Foundation
and Reinvestment Fund



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Introduction

Welcome to the 2021 Missoula Invest Health Neighborhood Report. This report focuses on Missoula City neighborhoods associated with Missoula Invest Health and key social determinants of health that impact these communities. Social determinants of health refer to the environment, or conditions, in which people live, work, learn, and play that influence their health, risks, quality of life, and outcomes. This includes access, and quality, to health care, education, economic stability, and safe environments. By addressing social determinants of health, we can enhance the quality of life and significantly influence health related outcomes that can affect humans, animals, and the environment. This can include placing efforts in providing resources for safe and affordable housing, public health, access to education, access to food, clean water, and reducing harmful pollutants in the environment (CDC 2021).

Missoula Invest Health and Reports

Missoula Invest Health was founded in 2016 and is an initiative funded by the Robert Wood Johnson Foundation and Reinvestment Fund. Missoula is one of ten cities awarded a \$75,000 grant to help advance health equity within the city. This initiative is dedicated towards developing strategies, programs, policies, and resources to help improve the well-being of the various neighborhoods found in Missoula, especially those impacted by barriers and inequities. Investment teams focus on key social determinants of health to improve resident well-being in neighborhoods.

Missoula Invest Team Members:

Kaia Peterson – NeighborWorks Montana

Karen Myers – Providence St. Patrick Hospital

Laval Means – City of Missoula

Lisa Beczkiewicz - Missoula City-County Health Department

Sarah Garber—Missoula City-County Health Department

Susan Hay Patrick – United Way of Missoula County

Author's note:

Thank you to everyone in this community who is actively working on creating health equity. We could not do it without you. My name is Naomi Trolinder, and I recently completed a Master in Public Health, with a concentration in Epidemiology, at the University of Alabama, Birmingham. During the Fall semester of 2021, I was an intern at the Missoula City-County Health Department under the guidance and supervision of Lisa Beczkiewicz. During this time, I used Policy Map to help illustrate the health of our community and bring forth awareness of areas that may need additional support in efforts to achieve health equity across our community. Additionally, I have included a potential “action plan” to help guide potential stakeholders and the community in our efforts for establishing and maintaining health equity.

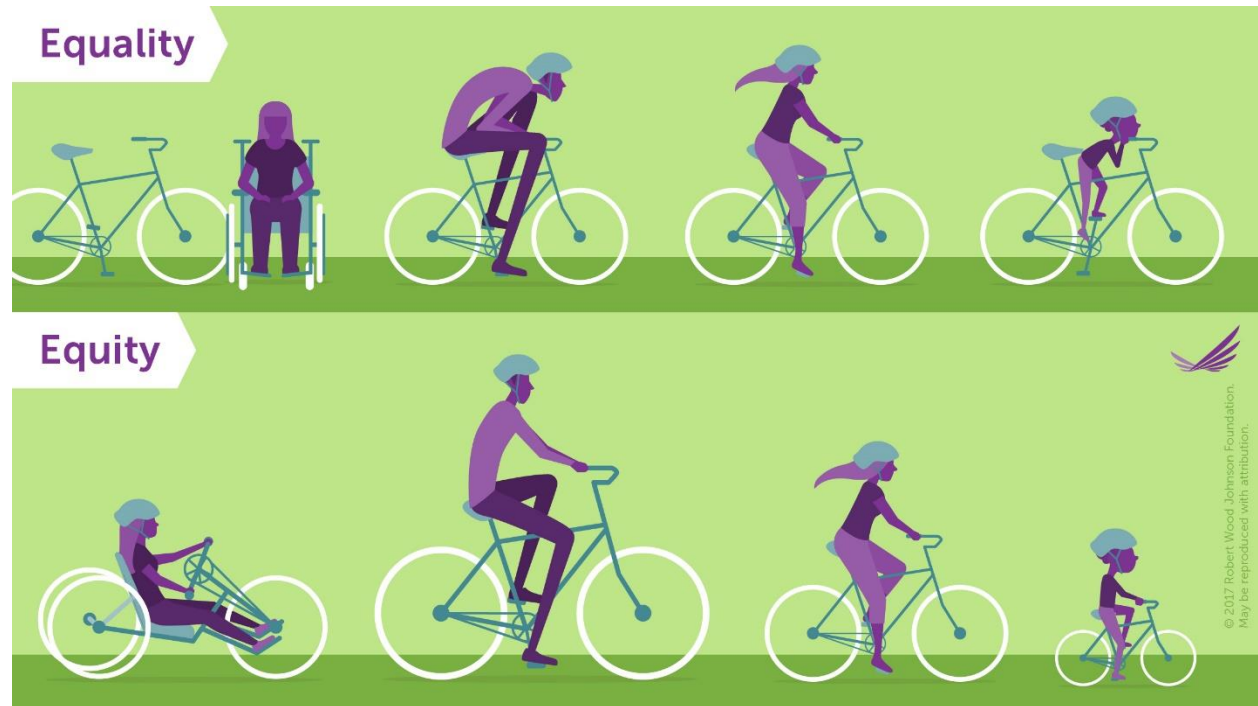
Explore the Missoula Community Health Map!

Visit: <https://gis.missoulacounty.us/mcchd/healthmap>

The Missoula City-County Health Department hosts an interactive website, the Missoula Community Health Map, designed to help inform community with what the local drivers of health are currently. It includes demographics, infrastructure (housing, parks, schools, sidewalks, trees, etc.) socio economic factors (income, education) and health outcomes (diabetes, mental health, asthma, physical activity, etc.). The Missoula Community Health Map will be updated in 2022 with new 2020 Census data.

About the Data

All the data presented in this report was collected using Policy Map. Policy Map is a data and mapping tool that can be used to collect information about demographics, health, and more information regarding communities. This platform helps decision makers make data-driven decision by providing a space to learn more about communities and regions in an efficient way that captures data visually. Additionally, the information available can be used to make tables, maps, and reports that are essential in understanding community narratives. For more information visit: <https://www.policymap.com/>.



Equity Vs. Equality

The terms equity versus equality can sound quite similar. However, the implementation of the terms can be very different.

Equality refers to individuals, group of people, or populations, having access to the same type or level of opportunities or resources. For instance, in the picture provided above, all individuals are given access to the same system, in this case the same bicycle. However, this equitable solution does not allocate the type of resource that each individual requires based on their needs.

On the other hand, equity is solution used to address imbalances. Equity accounts for existing systemic inequities and customizes the resources provided to meet the needs of the individual, group, or population, while eliminating disparities and ensuring that avoidable or remediable differences are removed. If we refer back to our bicycle example, equity allows everyone to have access to a bicycle specifically designed to meet the individual's diverse needs.

MIH Neighborhoods by Neighborhood and Census Tract

The following information pertains to MIH neighborhoods, Franklin to the Fort, River Road, and North/Westside, using available custom region and census tract data. The purpose for including both forms of data is to bring forth awareness of existing health disparities and inequities and help create the narrative of these neighborhoods while acknowledging the limitations present. The following figures represent each of the six census tracts associated with Franklin to the fort (30063000800, 30063000901, 30063001000, and 30063001304), River Road (30063000201), and North/Westside (30063000201 and 30063000300).

Figure 6 Tract 30063000201

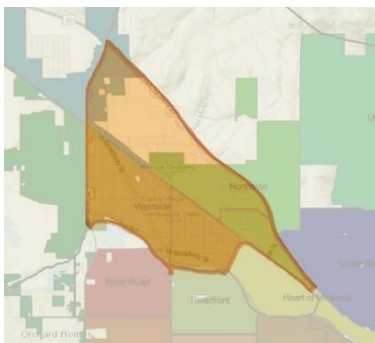


Figure 6 Tract 30063000300

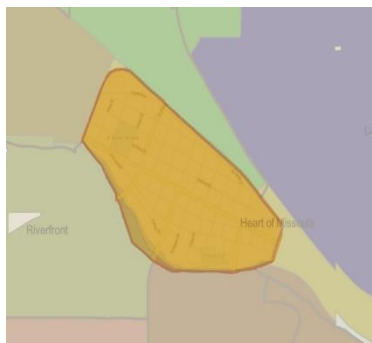


Figure 6 Tract 30063000800

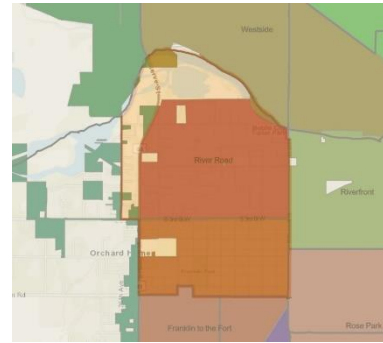


Figure 6 Tract 30063000901

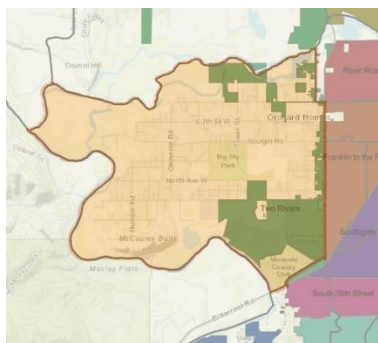


Figure 6 Tract 30063001000

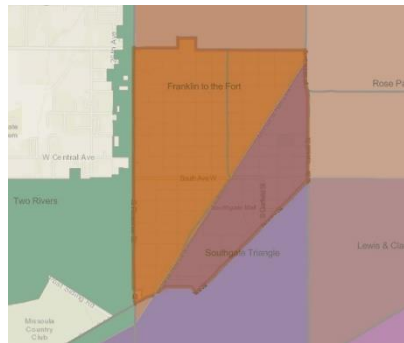
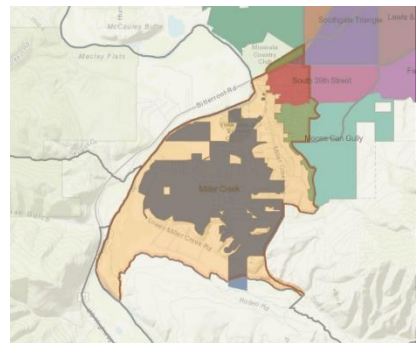


Figure 6 Tract 30063001304



Neighborhoods and Corresponding Census Tracts

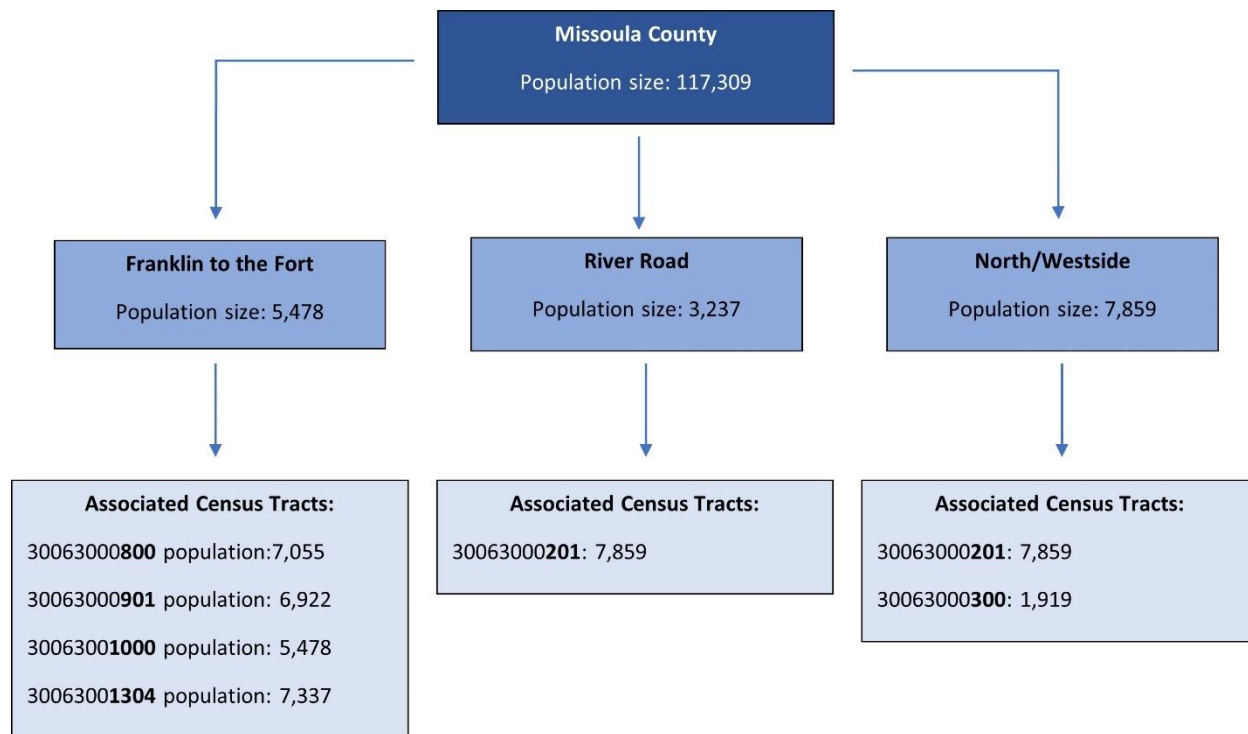


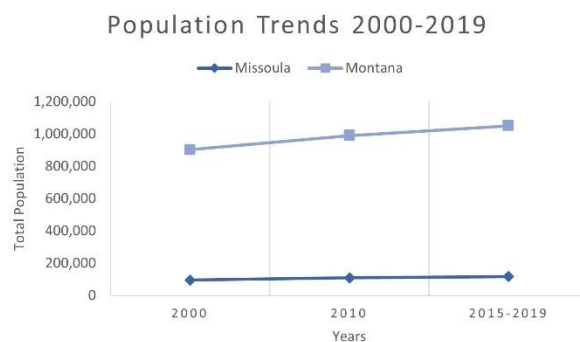
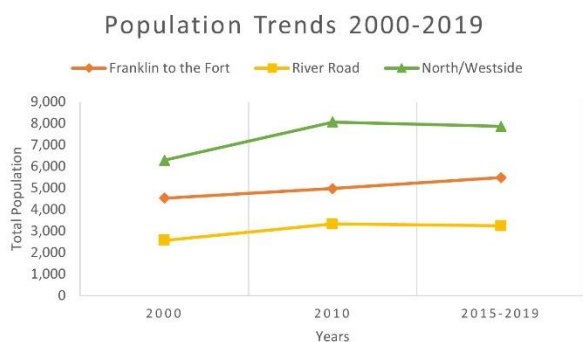
Table 1. Missoula Invest Health Neighborhoods, associated Census Tracts, and Population Size for 2015-2019.

Missoula Invest Health Report

Population and Race

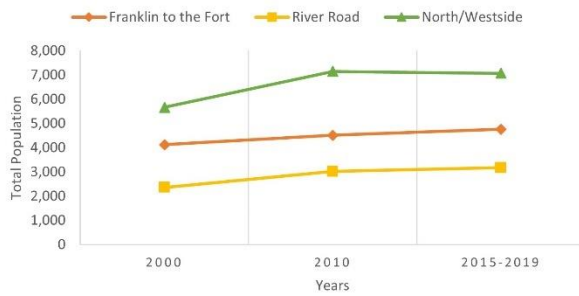
Having information pertaining to population, age, race and ethnicity helps us adapt our systems for the benefit of all community groups, thus allowing us to create a complete picture and understanding of our community.

Trends

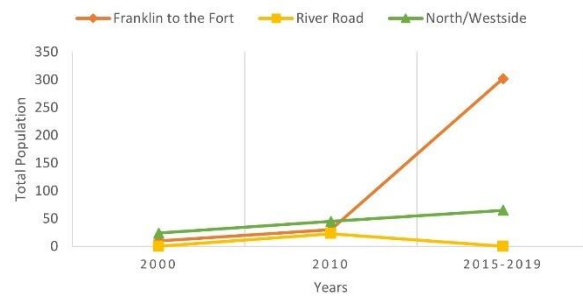


Race and Ethnicity by Neighborhood

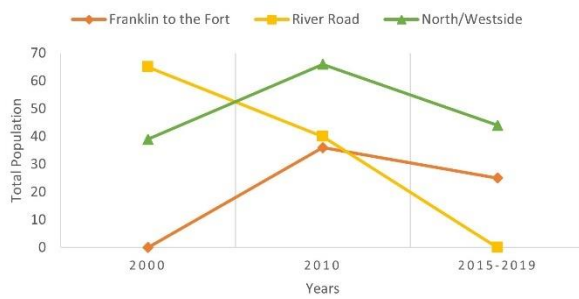
White 2000-2019



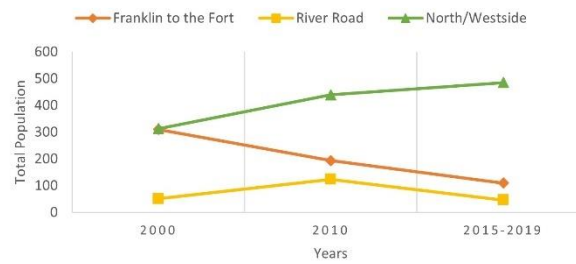
African American 2000-2019



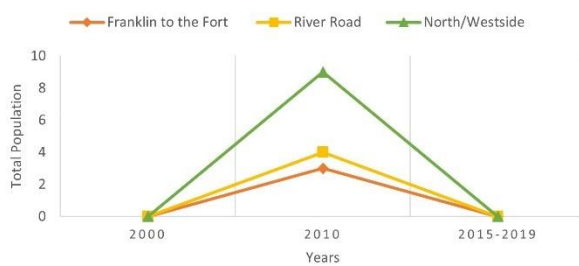
Asian 2000-2019



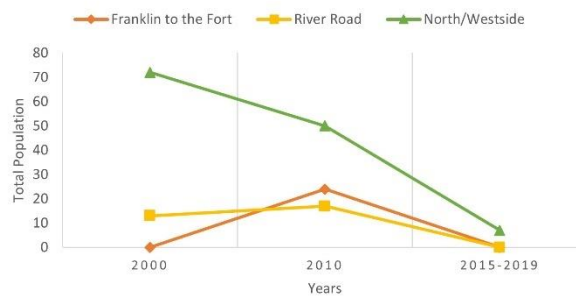
American Indian or Alaskan Native 2000-2019



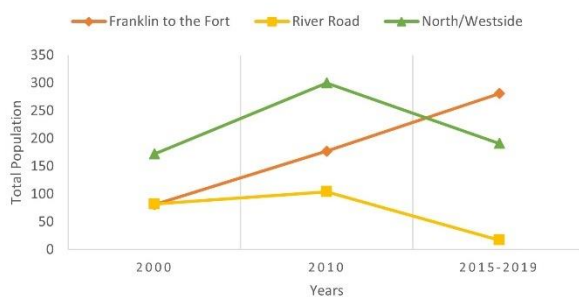
Native Hawaiian or Pacific Islander 2000-2019



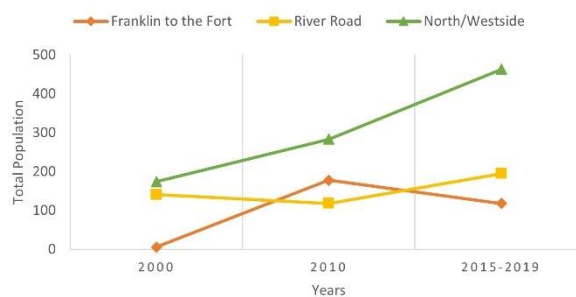
Some Other Race 2000-2019



Two or More Races 2000-2019

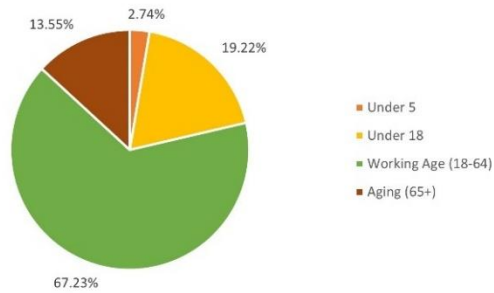


Hispanic 2000-2019

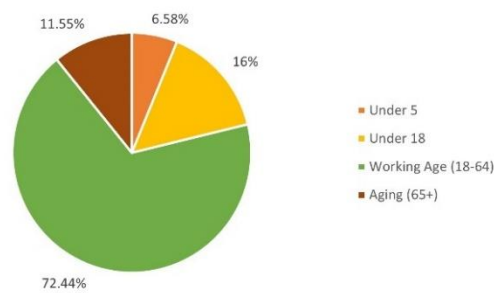


Age Distribution by Neighborhood

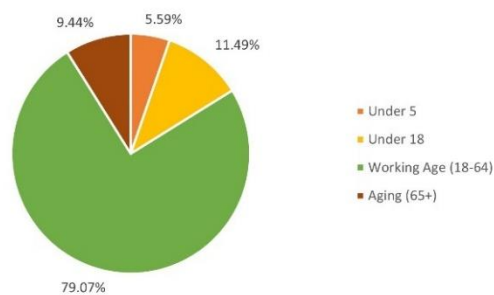
Age Distribution in Franklin to the Fort 2015-2019



Age Distribution in River Road 2015-2019



Age Distribution in North/Westside 2015-2019



Family Types by Neighborhood

% of Families Married with Children
2015-2019



% of Families Single with Children
2015-2019



% of Single Female with Children
2015-2019



% of Other Families 2015-2019



Family Types by Neighborhood Continued

Families are groups of people who are related and live together. Please note that all families pertaining to “Single Female with Children” are also included in the category “Single with Children.”

Category Definitions:

Married with Children: Married individuals with own children under the age of 18 years.

Single with Children: Male/female householder, without a spouse present, with own children under the age 18 years.

Female with Children: Single female householder with own children under the age of 18 years.

Other Families: Male/Female householder, without a spouse present, with children of their own under the age of 18 years. Male/Female householder, without a spouse present, with no own children under 18 years. This group may also include families with children that is not the “own children” of the head of household. This may also include grandparents living with grandchildren, and even same-sex couples with children.

Housing and Population

Housing Type

- Single family home: all one-unit structures. This includes both attached and detached units.
- 2-unit homes and duplexes: one-unit attached homes and housing units with two units.
- Units in small apartment building: buildings with 3 to 49 units
- Units in large apartment buildings: buildings with 50 units or more
- Other types of housing: vans, boats, recreational vehicles, or other units.

% of Single Family Attached Homes
2015-2019



% of Single Family Detached Homes
2015-2019



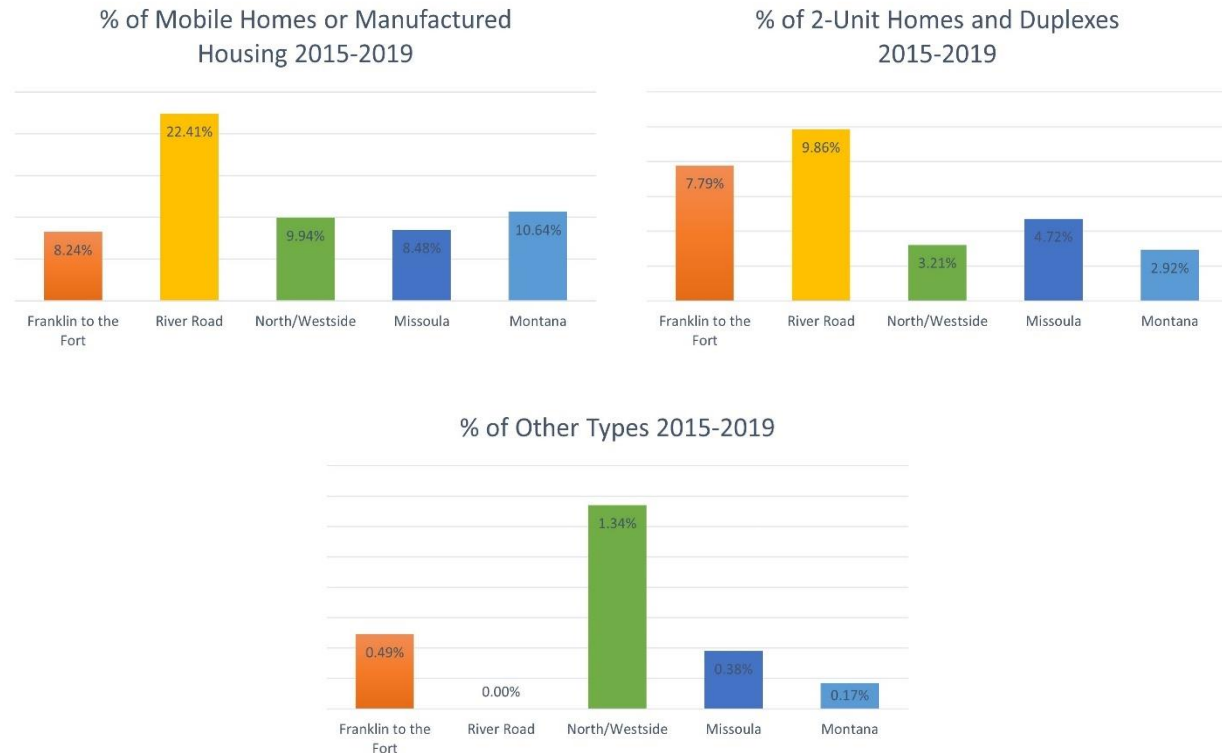
% of Units in Small Apartment Buildings
2015-2019



% of Units in Large Apartment Buildings
2015-2019



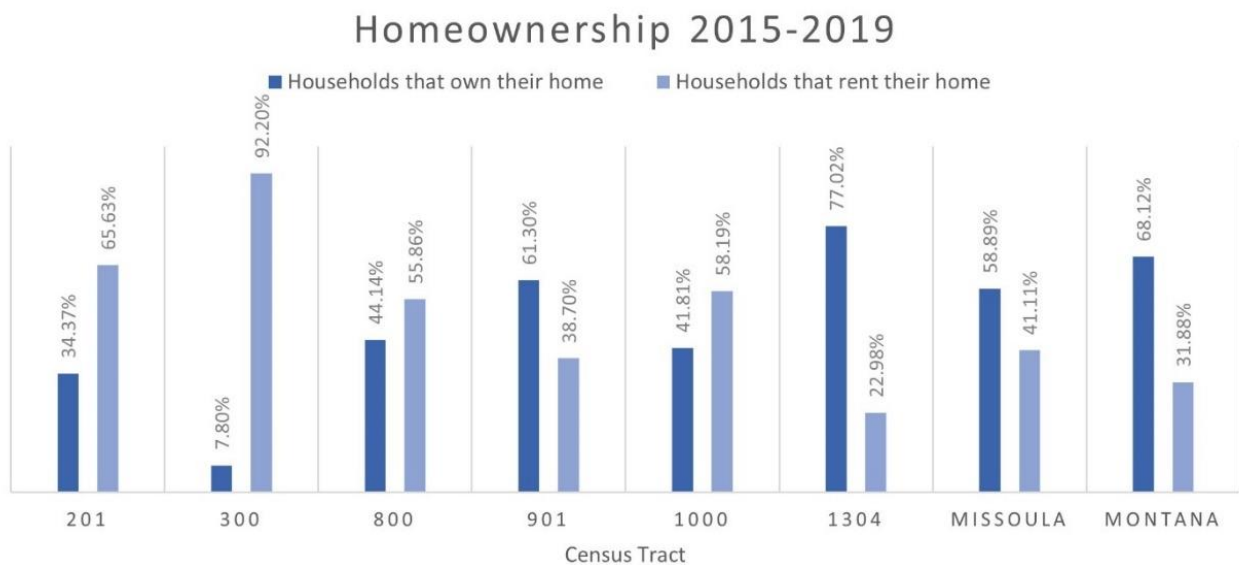
Housing Type Continued



Homeownership by Census Tract

The following charts reflect data collected for census tracts associated with Missoula Invest Health Neighborhoods:

- Franklin to the Fort--Census tracts ending in 800, 901, 1000, and 1304
- River Road—Census tracts ending in 201 and 800
- North//Westside—Census tracts ending in 201, 300, and 800



Median Year Built

The age of housing stocks may be indicative of potential presence of lead and other harmful substances which can have effects on health.

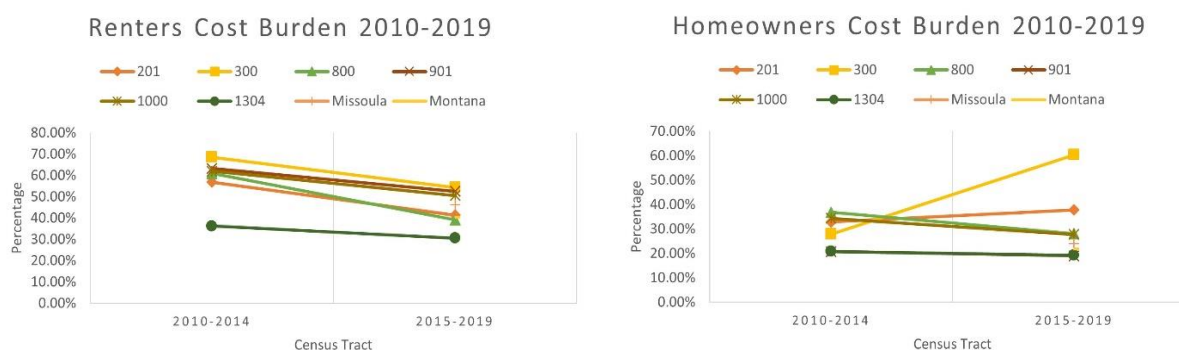
Census Tract	Associated Neighborhoods	Year
30063000201	River Road, North/Westside	1976
30063000300	North/Westside	1955
30063000800	Franklin to the Fort, River Road, North/Westside	1977
30063000901	Franklin to the Fort	1976
30063001000	Franklin to the Fort	1975
30063001304	Franklin to the Fort	1994
Missoula County	-----	1980

Poverty and Health Equity

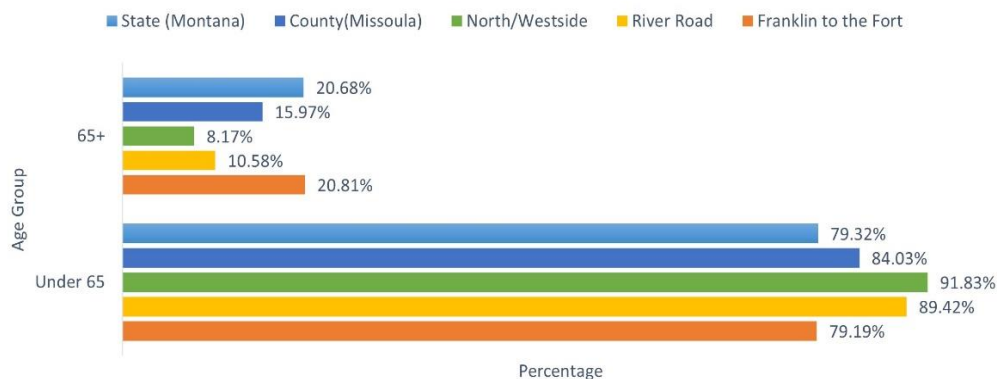
Cost Burden

The following charts reflect data collected for census tracts associated with Missoula Invest Health Neighborhoods:

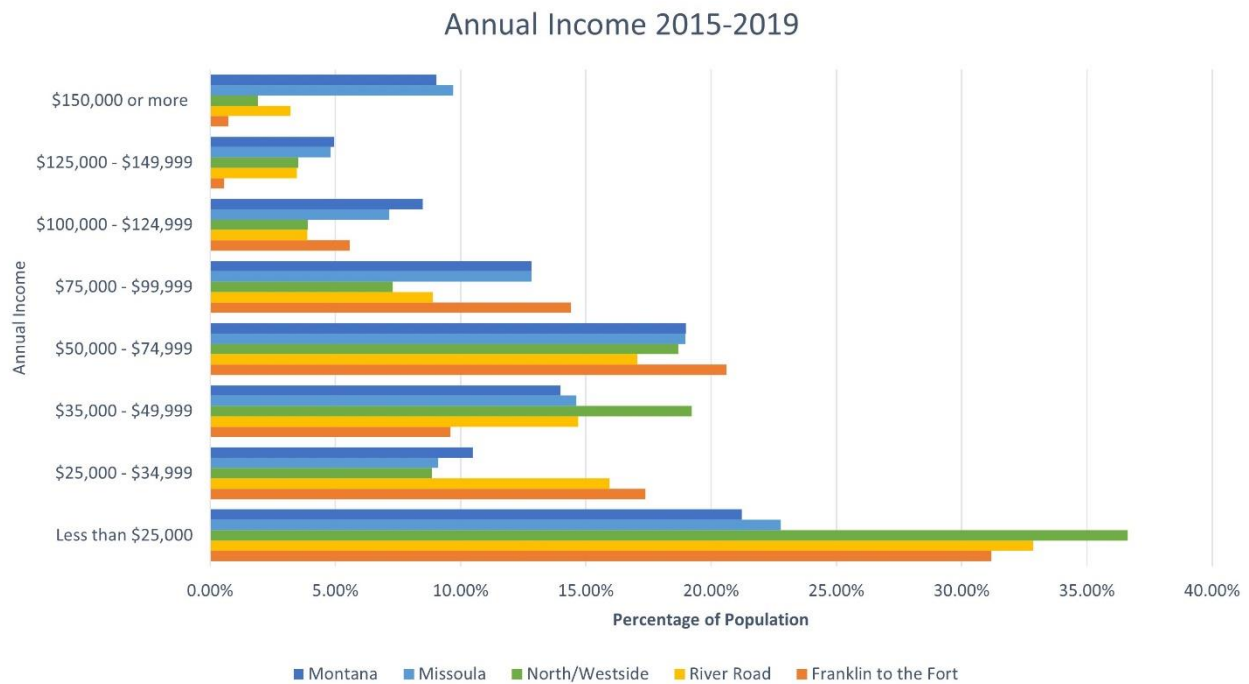
- Franklin to the Fort--Census tracts ending in 800, 901, 1000, and 1304
- River Road—Census tracts ending in 201 and 800
- North//Westside—Census tracts ending in 201, 300, and 800



Rental Cost Burden by Age Group 2015-2019



Annual Income by Neighborhood



Poverty Rate by Census Tract

Poverty is defined by the Census as living below the federal poverty line, below 100%

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	23.71%
30063000300	North/Westside	38.08%
30063000800	Franklin to the Fort, River Road, North/Westside	20.16%
30063000901	Franklin to the Fort	12.76%
30063001000	Franklin to the Fort	20.05%
30063001304	Franklin to the Fort	6.67%

*Poverty Rate 2015-2019

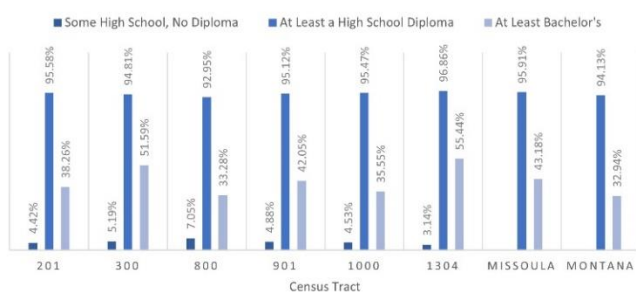
Educational Attainment by Race/Ethnicity and Census Tract

The following charts reflect data collected for census tracts associated with Missoula Invest Health Neighborhoods:

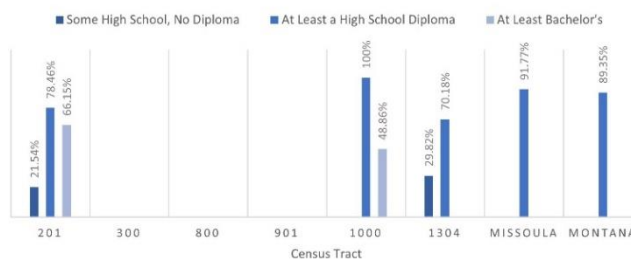
- Franklin to the Fort--Census tracts ending in 800, 901, 1000, and 1304
- River Road—Census tracts ending in 201 and 800
- North/Westside—Census tracts ending in 201, 300, and 800

* Please note that Policy Map has missing or non-existing data for missing values.

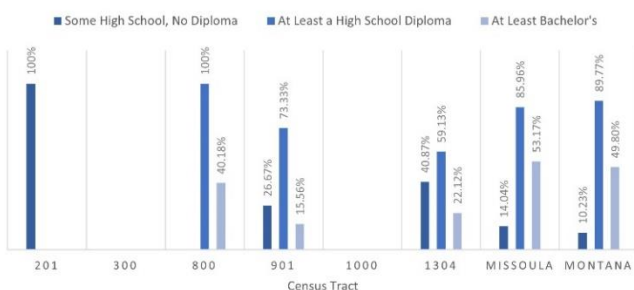
Educational Attainment: White 2015-2019



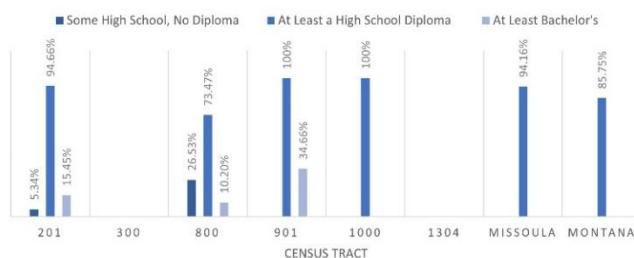
Educational Attainment: Black 2015-2019



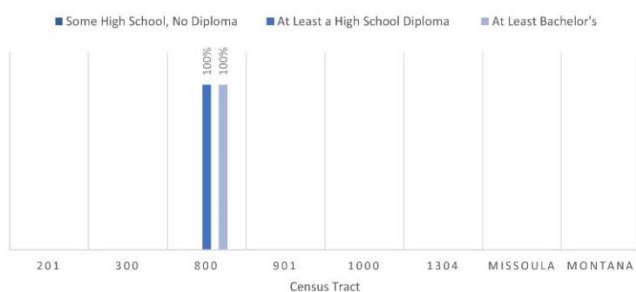
Educational Attainment: Asian 2015-2019



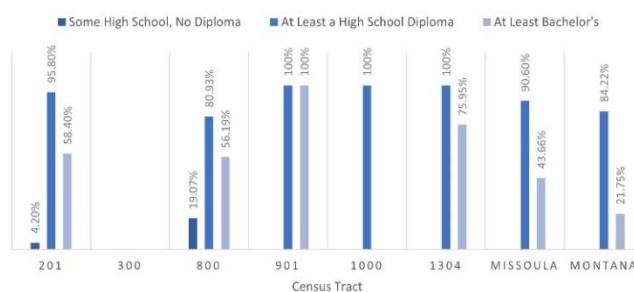
Educational Attainment: American Indian or Alaskan Native 2015-2019



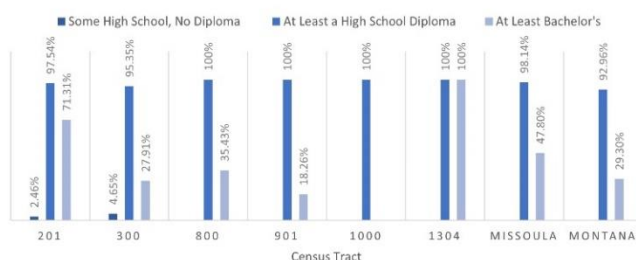
Educational Attainment: Other 2015-2019



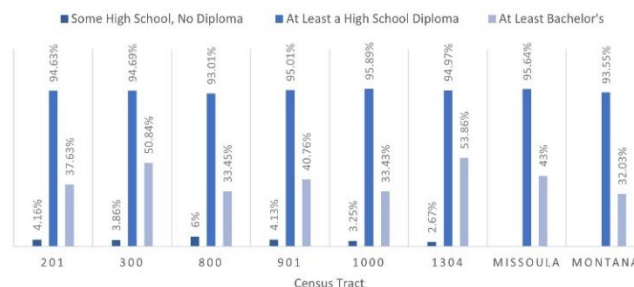
Educational Attainment: Hispanic 2015-2019



Educational Attainment: Two or More Races 2015-2019



Educational Attainment: All Races 2015-2019



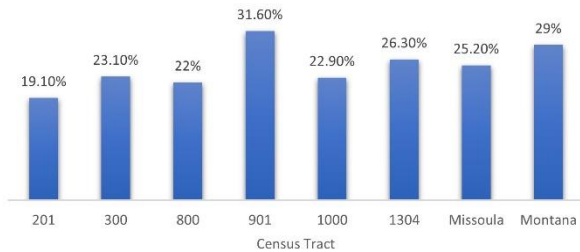
Adult Health

Chronic Disease and Comorbidities by Census Tract

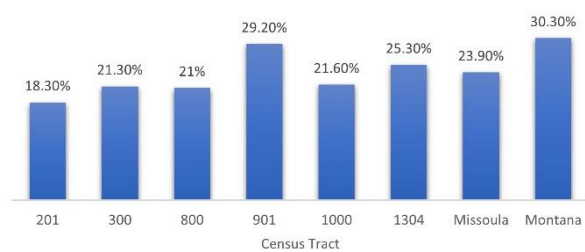
The following charts reflect data collected for census tracts associated with Missoula Invest Health Neighborhoods:

- Franklin to the Fort--Census tracts ending in 800, 901, 1000, and 1304
- River Road—Census tracts ending in 201 and 800
- North/Westside—Census tracts ending in 201, 300, and 800

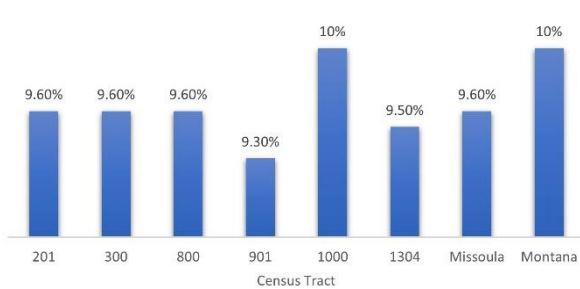
% of Adults with High Blood Pressure (Hypertension) 2017-2018



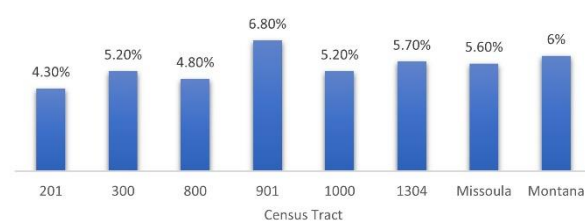
% of Adults with High Cholesterol 2017-2018



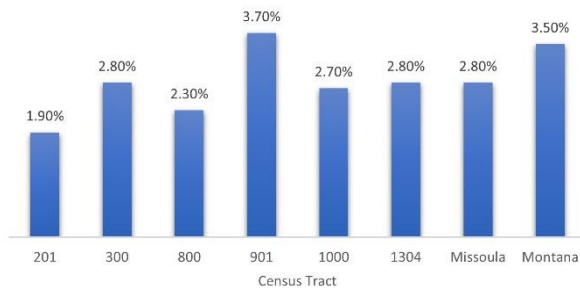
% of Adults with Asthma 2017-2018



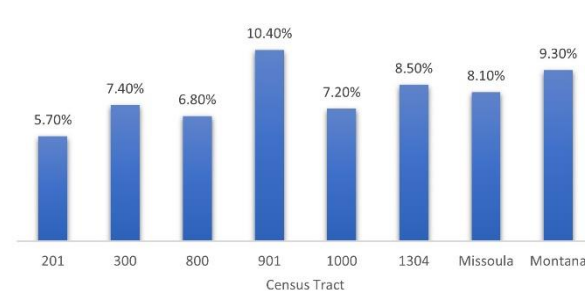
% of Adults with Chronic Obstructive Pulmonary Disease (COPD), Emphysema, or Chronic Bronchitis 2017-2018



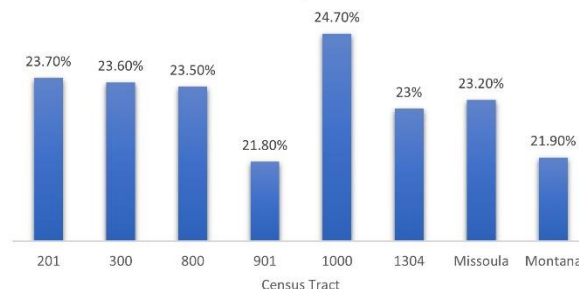
% of Adults with Stroke 2017-2018



% of Adults with Diabetes 2017-2018



% of Adults with Depression 2017-2018

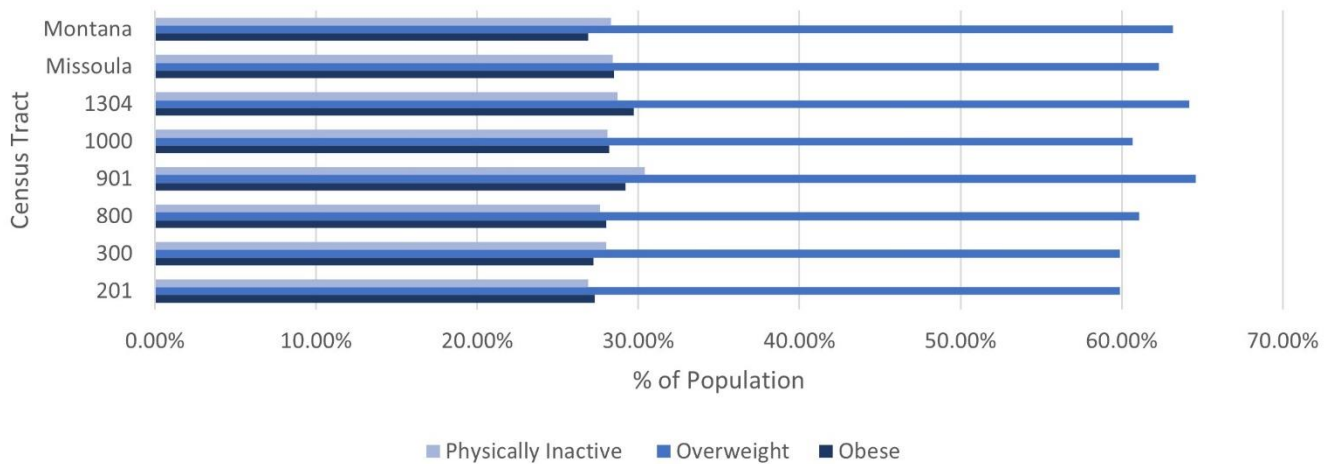


Health Behaviors by Census Tract

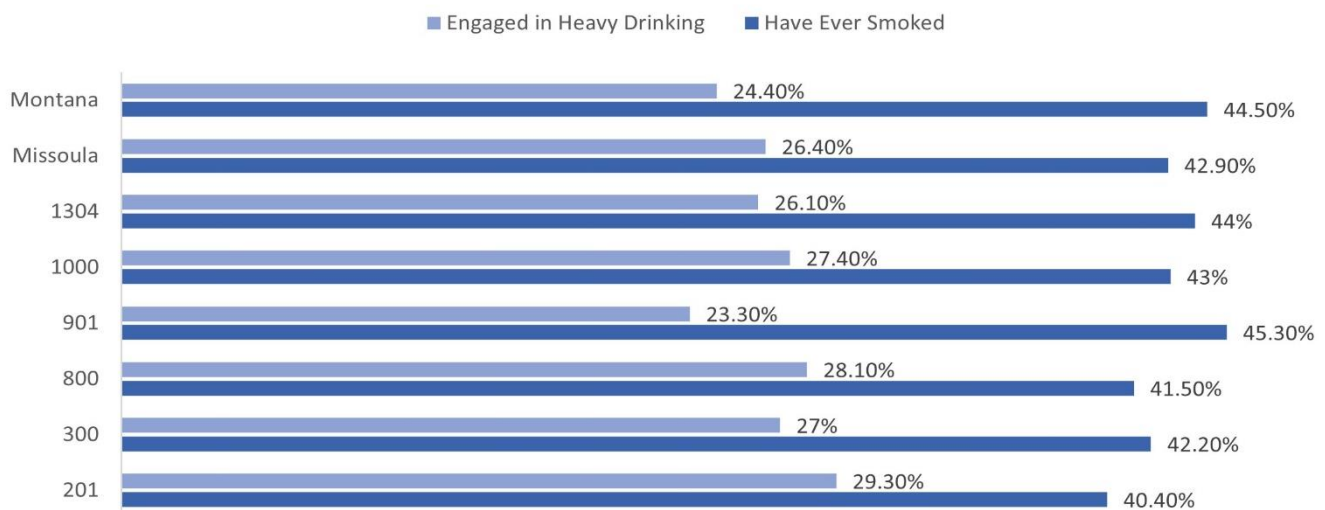
The following charts reflect data collected for census tracts associated with Missoula Invest Health Neighborhoods:

- Franklin to the Fort—Census tracts ending in 800, 901, 1000, and 1304
- River Road—Census tracts ending in 201 and 800
- North/Westside—Census tracts ending in 201, 300, and 800

Obesity and Physical Inactivity in Adults 2017-2018



Smoking and Heavy Drinking in Adults 2017-2018



Disease Screening and Prevention

Flu Vaccine by Census Tract

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	30.9%
30063000300	North/Westside	33.9%
30063000800	Franklin to the Fort, River Road, North/Westside	32.8%
30063000901	Franklin to the Fort	38.7%
30063001000	Franklin to the Fort	34.2%
30063001304	Franklin to the Fort	35.10%

*The percent of adults who reported flu vaccination in the past year (2018).

HIV Test by Census Tract

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	33.4%
30063000300	North/Westside	31.7%
30063000800	Franklin to the Fort, River Road, North/Westside	32.3%
30063000901	Franklin to the Fort	28.3%
30063001000	Franklin to the Fort	33.8%
30063001304	Franklin to the Fort	32%

*The percent of adults reporting having ever tested for HIV (2018).

Cholesterol Screening by Census Tract

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	56%
30063000300	North/Westside	57.7%
30063000800	Franklin to the Fort, River Road, North/Westside	61.2%
30063000901	Franklin to the Fort	78.8%
30063001000	Franklin to the Fort	62.3%
30063001304	Franklin to the Fort	75.5%

*The percent of adults reporting a cholesterol screening within the last 5 years (2015).

Mammogram by Census Tract

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	74.2%
30063000300	North/Westside	74.9%
30063000800	Franklin to the Fort, River Road, North/Westside	75.30%
30063000901	Franklin to the Fort	74.1%
30063001000	Franklin to the Fort	74.9%
30063001304	Franklin to the Fort	76.9%

*The percent of adult females ages 50-74 years reporting a mammogram within the last two years (2016).

Pap Smear by Census Tract

Census Tract	Associated Neighborhoods	Percent of Population
30063000201	River Road, North/Westside	80.5%
30063000300	North/Westside	80.1%
30063000800	Franklin to the Fort, River Road, North/Westside	81%
30063000901	Franklin to the Fort	82.2%
30063001000	Franklin to the Fort	81.5%
30063001304	Franklin to the Fort	84.10%

*The percent of adult females ages 21-65 years reporting a pap-smear within the last two years (2016).

Resources

CDC. (March 2021). About Social Determinants of Health (SDOH). *Centers for Disease Control and Prevention*. Retrieved from: <https://www.cdc.gov/socialdeterminants/about.html>

Colorado Department of Public Health
<https://www.colorado.gov/cdphe>

Invest Health. (n.d) About Invest Health.
<https://www.investhealth.org/about/>

Missoula City Neighborhood Map
[2021-complete-city-neighborhood-map \(missoula.mt.us\)](https://missoula.mt.us/2021-complete-city-neighborhood-map)

NH2021 Neighborhoods and Census Designations
[NH2021 Neighborhoods and Census Designations \(arcgis.com\)](https://arcgis.com)

Robert Wood Johnson Foundation
<https://www.rwjf.org/>

Policy Map
www.policymap.com

Allies for Researching Community Health Equity
<https://healthequity.globalpolicysolutions.org/>