

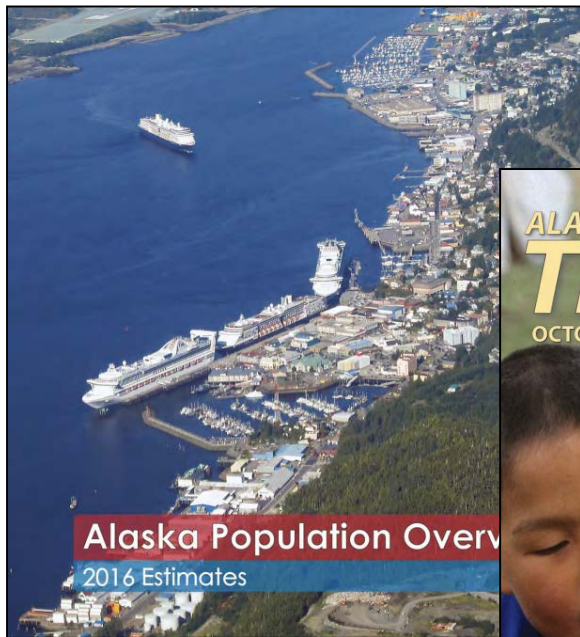
Southwest Population and Economic Data Conference
October 5, 2018

Population Data and Trends

Eddie Hunsinger
Alaska Department of Labor
and Workforce Development



ALASKA DEPARTMENT OF LABOR
& WORKFORCE DEVELOPMENT



Population data: Uses

- Population data are used for a wide range of purposes, including:
 - Distribution of resources
 - Survey weighting
 - Research and planning
 - Legislative redistricting

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State of Alaska > Department of Labor > Research & Analysis Home > Alaska Population Estimates

Population Estimates**Statewide**

- Population and Components of Change, 1945 to 2017
- Age and Sex, 2010 to 2017
- Race and Hispanic Origin, 2010 to 2016
- Age, Sex, Race (alone), and Hispanic Origin, 2010 to 2016
- Age, Sex, Race (alone or in combination), and Hispanic Origin, 2010 to 2016

**Economic Regions and
Boroughs/Census Areas**

- Population 2010 to 2017
- Components of Change, 2010 to 2017
- Age and Sex, 2010 to 2017
- Race and Hispanic Origin, 2010 to 2016
- Age, Sex, Race (alone), and Hispanic Origin, 2010 to 2016
- Age, Sex, Race (alone or in combination), and Hispanic Origin, 2010 to 2016



Places and Other Areas

- Cities and Census Designated Places (CDPs), 2010 to 2017
- Age and Sex, Cities and CDPs of 1,000 or More People, 2010 to 2017
- Census Tracts, 2010 to 2017
- ANVSAs, 2010 to 2017
- ANRCs, 2010 to 2017
- Census Subareas, 2010 to 2017
- School Districts, 2010 to 2017

Last Update: 01/10/2018

**Alaska Population
Overview: 2016****2017 Population Estimates by Borough, Census Area, and Economic Region**

Area	Population
Alaska	737,080
Anchorage/Mat-Su Economic Region	401,649
Anchorage, Municipality of	297,483
Matanuska-Susitna Borough	104,166
Gulf Coast Economic Region	80,698
Kenai Peninsula Borough	58,024
Kodiak Island Borough	13,287
Valdez-Cordova Census Area	9,387
Interior Economic Region	111,911
Denali Borough	1,849
Fairbanks North Star Borough	97,738
Southeast Fairbanks Census Area	6,973
Yukon-Koyukuk Census Area	5,351
Northern Economic Region	27,705
Nome Census Area	10,006
North Slope Borough	9,849
Northwest Arctic Borough	7,850
Southeast Economic Region	72,915
Haines Borough	2,459
Hoonah-Angoon Census Area	2,122
Juneau, City and Borough of	32,269
Ketchikan Gateway Borough	13,754
Petersburg Borough	3,147
Prince of Wales - Hyder Census Area	6,390
Sitka, City and Borough of	8,748
Skagway, Municipality of	1,087
Wrangell, City and Borough of	2,387
Yakutat, City and Borough of	552
Southwest Economic Region	42,202
Aleutians East Borough	2,977
Aleutians West Census Area	5,357
Bethel Census Area	18,127

**Additional
Links**[Population Projections](#)[Migration Data and Information](#)[Publications](#)[Historical Data: Alaska Statewide](#)[Historical Data: Boroughs/Census Areas](#)[Historical Data: Places](#)[Related Trends Articles](#)[Related Links](#)[Methodology](#)[Presentations and Workshops](#)[Scheduled Release Dates](#)[Contact Information](#) [Subscribe to receive e-mail updates on these data.](#) **WE WANT
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Population Estimates: How we make them

- For total population, and population by age and sex, we begin with the last decennial census (2010 Census)
- Create ratios of census counts to PFD recipients in the census year, and carry them forward each year until the next census
- Adjust to a separately estimated state total
- There are several additional procedures to account for military, prisons, dorms, etc.

Population Estimates:

How we make them (continued)

- Race and ethnicity are not included in the PFD data, so we combine our estimates by age and sex with Census data by race and ethnicity
- Make race data to follow three categorizations:
 - Race alone
 - Race alone or in combination with one or more other races
 - “Bridged” (1977 OMB)

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State of Alaska > Department of Labor > Research & Analysis Home > Population Estimates

Migration Data and Information

Migration data for Alaska come from three main sources: Alaska Permanent Fund Dividend applications, IRS Tax Statistics, and the American Community Survey. Each source has its own strengths and weaknesses.

To view the official estimates of annual migration for Alaska, and net migration for its regions, boroughs, and census areas, go to our [Population Estimates](#) page and see "Components of Change."

Alaska Economic Trends* articles about migration*PFD-Based Migration Data**

Permanent Fund Dividend (PFD)-based migration data have broad in-state coverage but lag on new migrants from outside the state, because new migrants aren't eligible for the PFD until they've lived in Alaska for one calendar year. Additionally, PFD data do not capture people who don't live here long enough to qualify for a PFD. Maps of these data are available on our [Maps & GIS Data](#) page.

- [PFD-Based Migration between Boroughs/Census Areas, 2000-2017 \(Excel\)](#)
- [PFD-Based Migration between Boroughs/Census Areas, 2000-2017 \(Interactive\)](#)
- [PFD-Based Migration To and From Cities and Places, 2000-2017 \(Excel\)](#)
Note: These annual borough, census area, city and place data are not adjusted for births and deaths.
- [PFD-Based Migration by Age, Sex, and Borough/Census Area, 2000-05, 2005-10, and 2010-15 \(Excel\)](#)
Note: These data are in average annual amounts for each 5-year period, and are adjusted for births and deaths.

IRS-Based Migration Data

Internal Revenue Service (IRS)-based migration data provide direct counts of moves between U.S. counties, boroughs, and census areas by comparing the addresses of exemptions — that is, filers and their dependents — from year to year. However, they only cover about 80 percent of Alaska's population, and values below 10 are suppressed. More information about these data are available on the [IRS's Migration Data website](#).

- [IRS-Based Migration To and From Alaska by State, 2000-2016 \(Excel\)](#)
- [IRS-Based Migration between Boroughs/Census Areas, 2000-2016 \(Excel\)](#)

ACS-Based Migration ("Geographic Mobility") Data

The U.S. Census Bureau's American Community Survey (ACS) data provides information about migrants. However, ACS data is based on a small sample of the population and tends to have large margins of error. For most areas in Alaska, ACS data is only available in five-year averages. ACS data are available on our [ACS page](#), U.S. Census Bureau's [American FactFinder](#), and the U.S. Census Bureau's [Geographic](#)

**Additional
Links**[Population Projections](#)[Migration Data and
Information](#)[Publications](#)[Historical Data: Alaska
Statewide](#)[Historical Data:
Boroughs/Census Areas](#)[Historical Data: Places](#)[Related *Trends* Articles](#)[Related Links](#)[Methodology](#)[Presentations and
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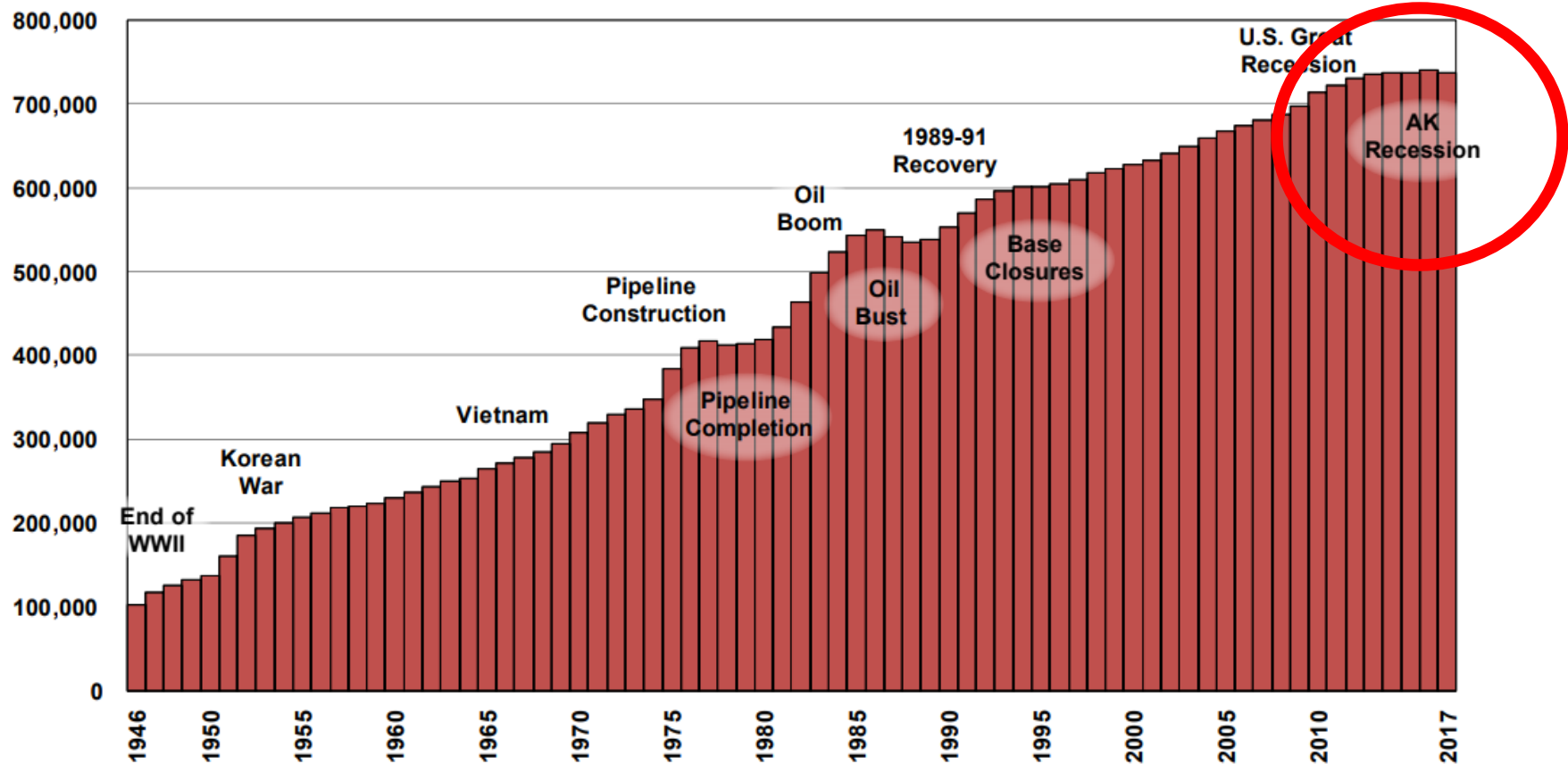
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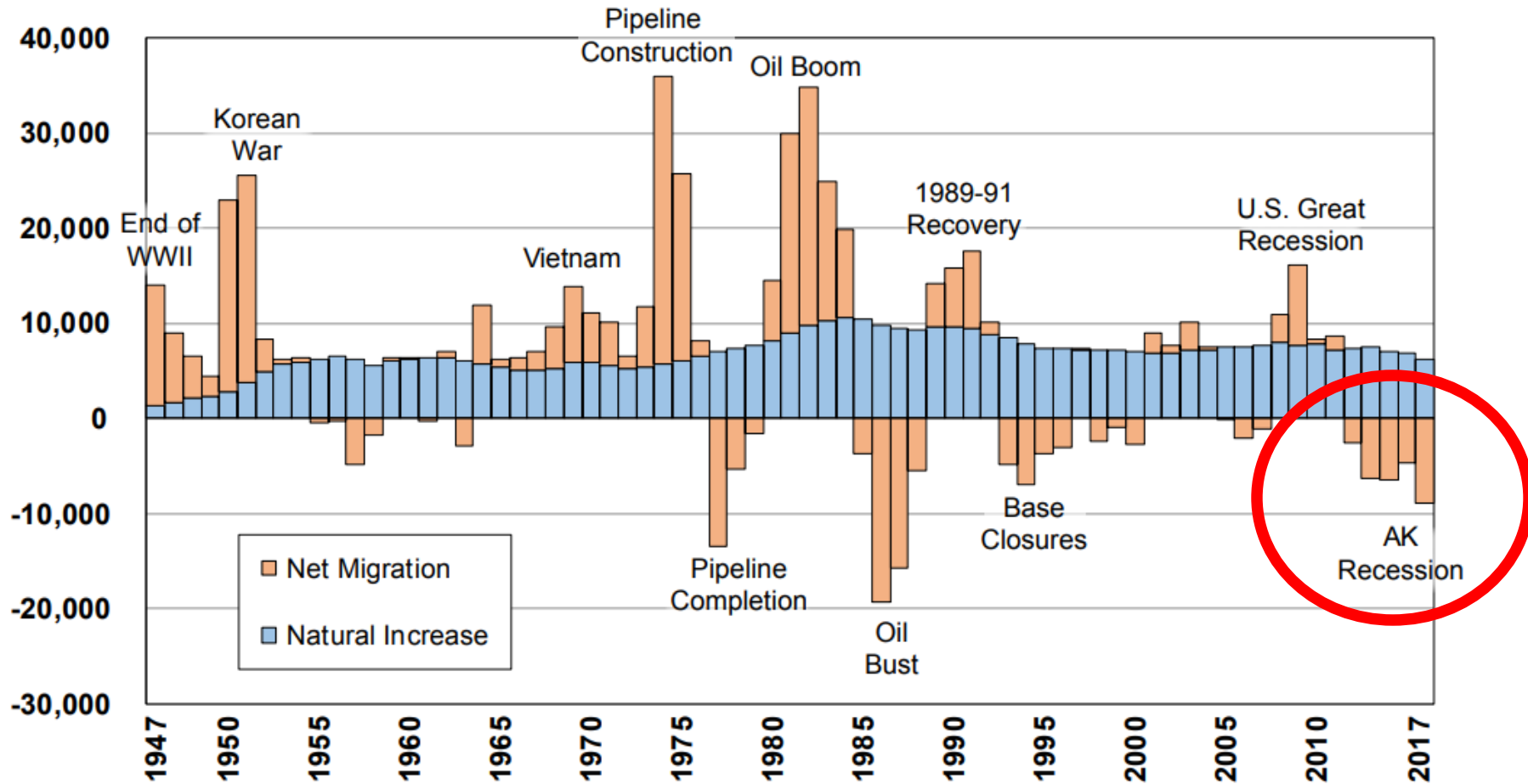
PFD-Based Migration Data: How we make it

- Comparison of annual change in PFD application data
- Doesn't account for delayed eligibility for new residents
- Use five year averages to create the data by age and sex

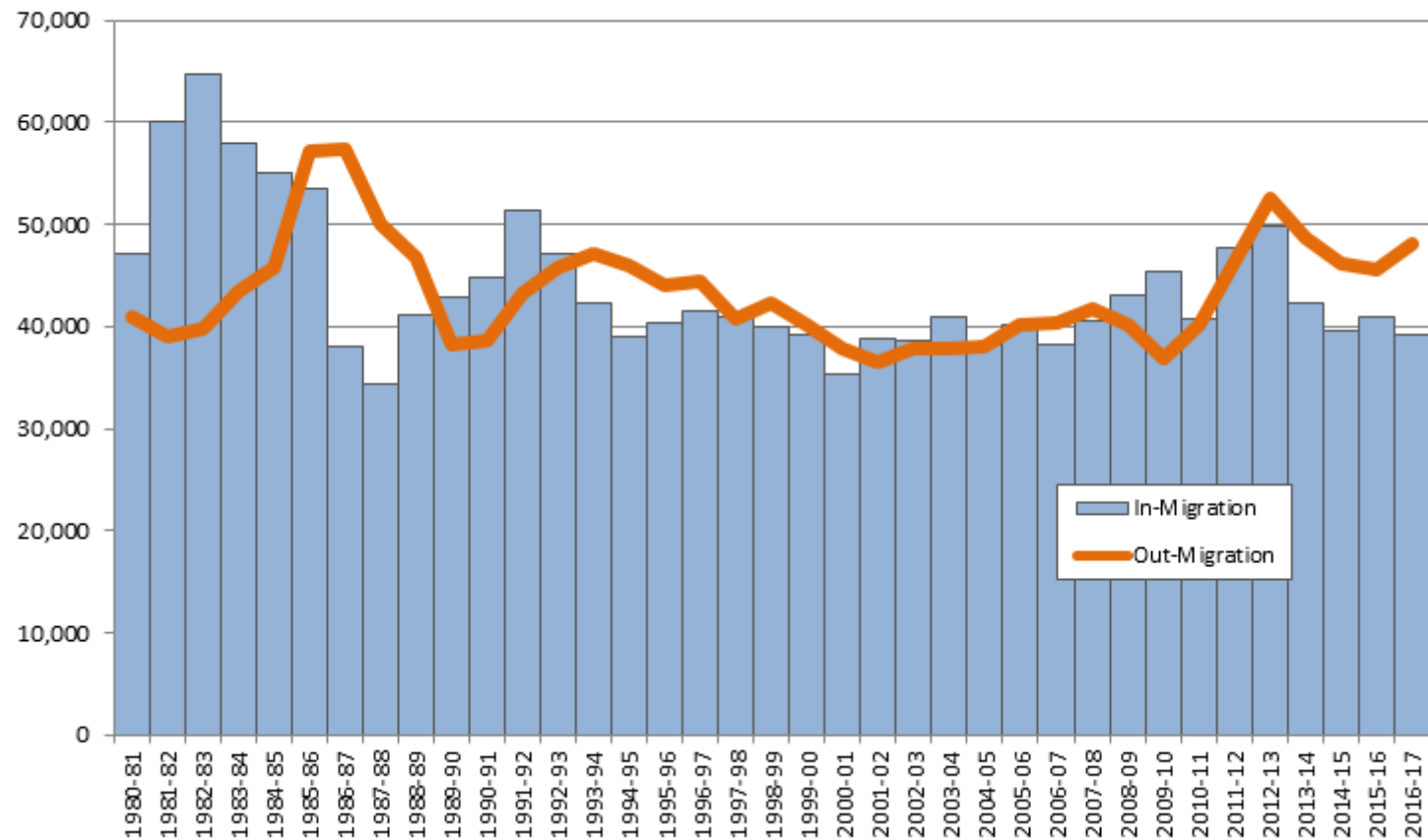
Alaska Population, 1946-2017



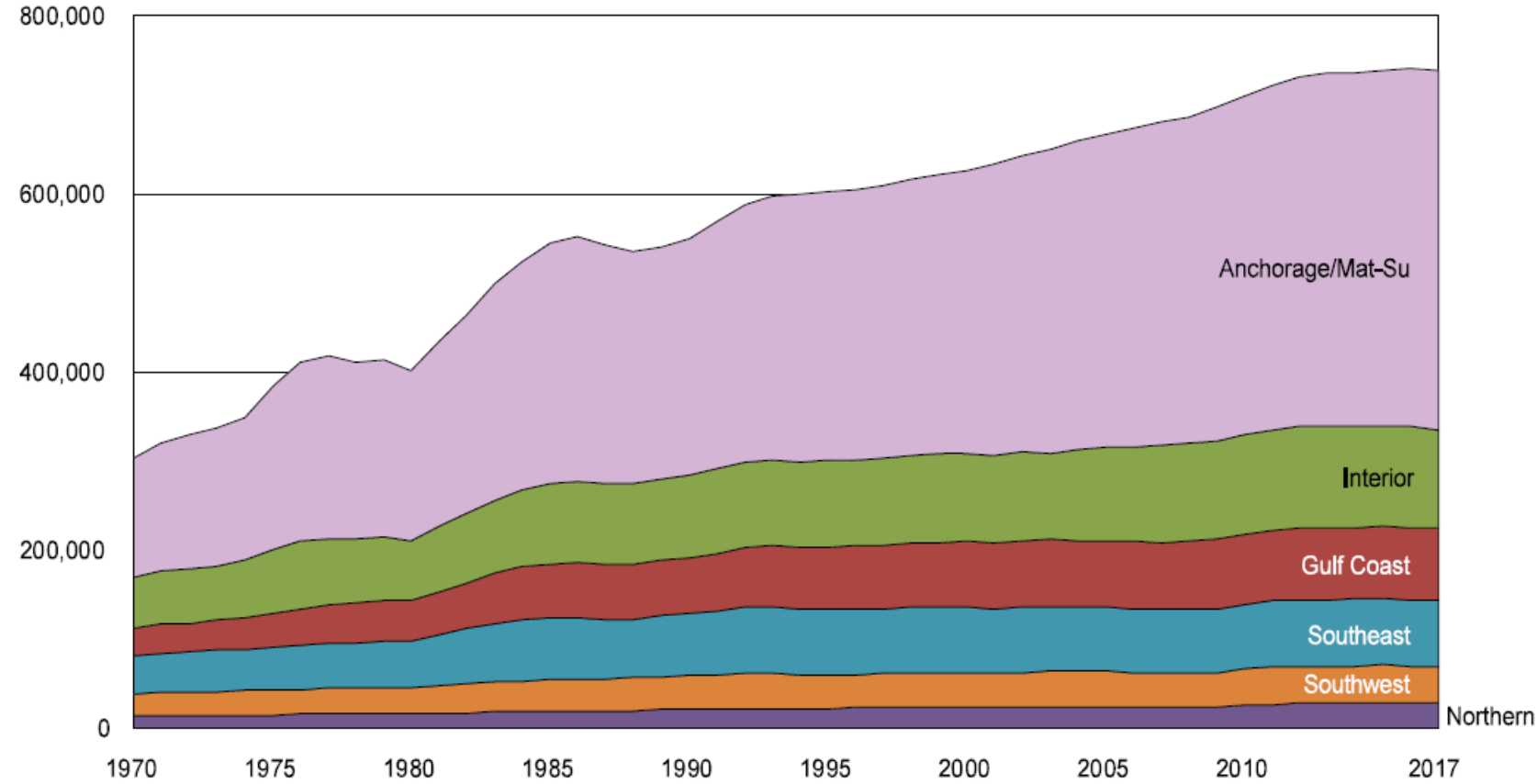
Components of Population Change for Alaska, 1947-2017



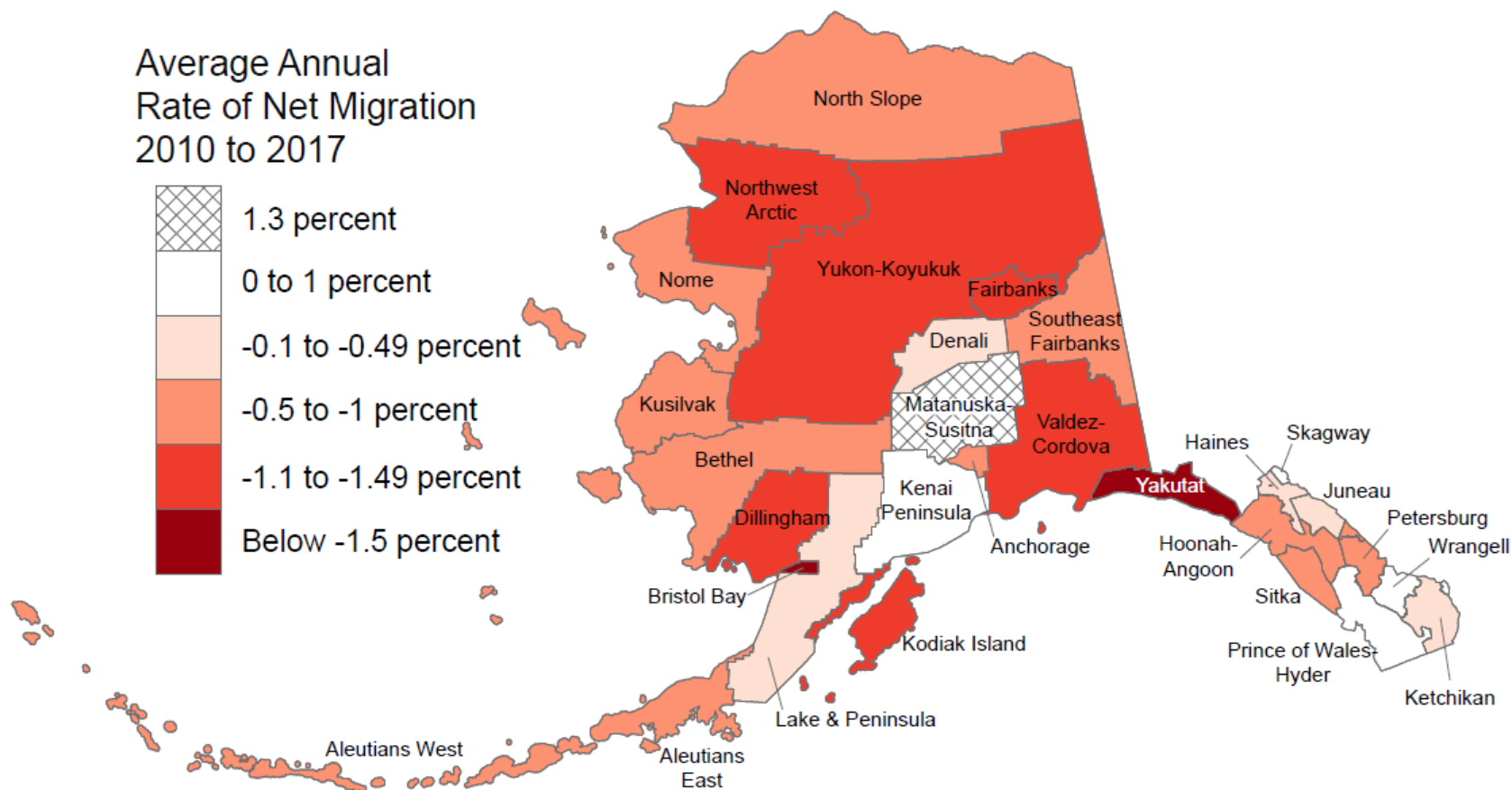
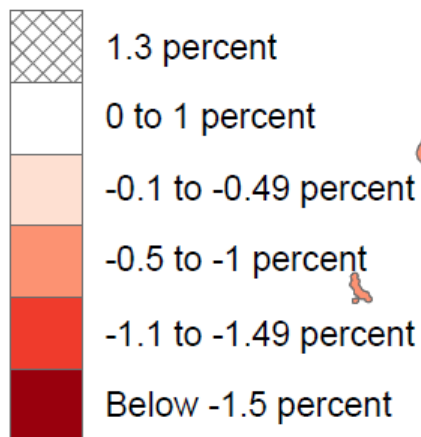
Migration To and From Alaska, 1980 to 2017



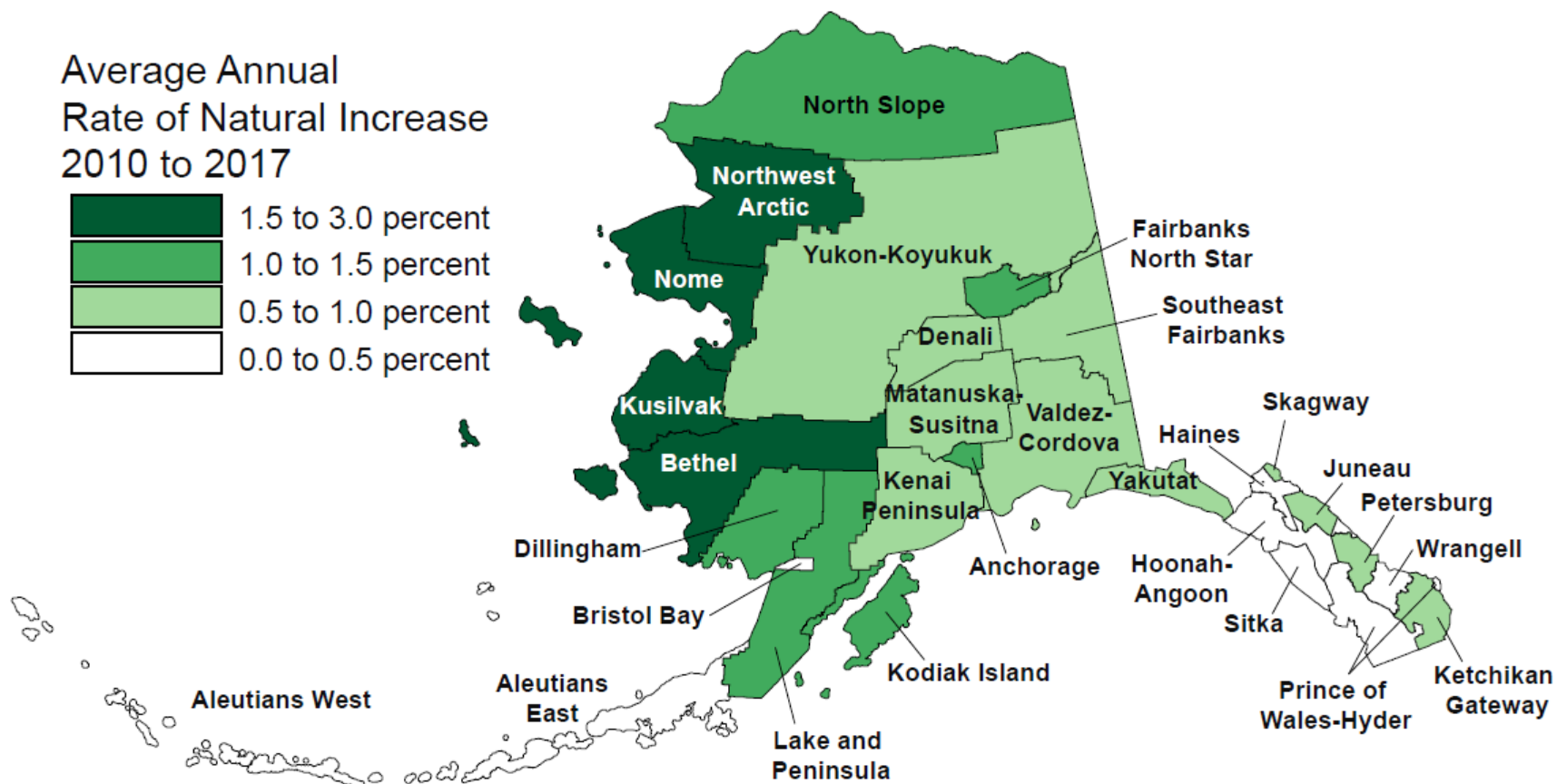
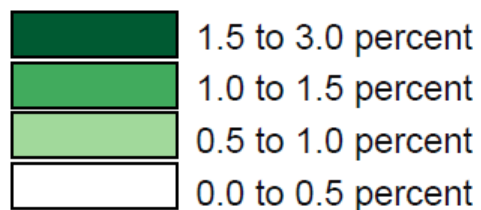
Population by Alaska Region, 1970 to 2017



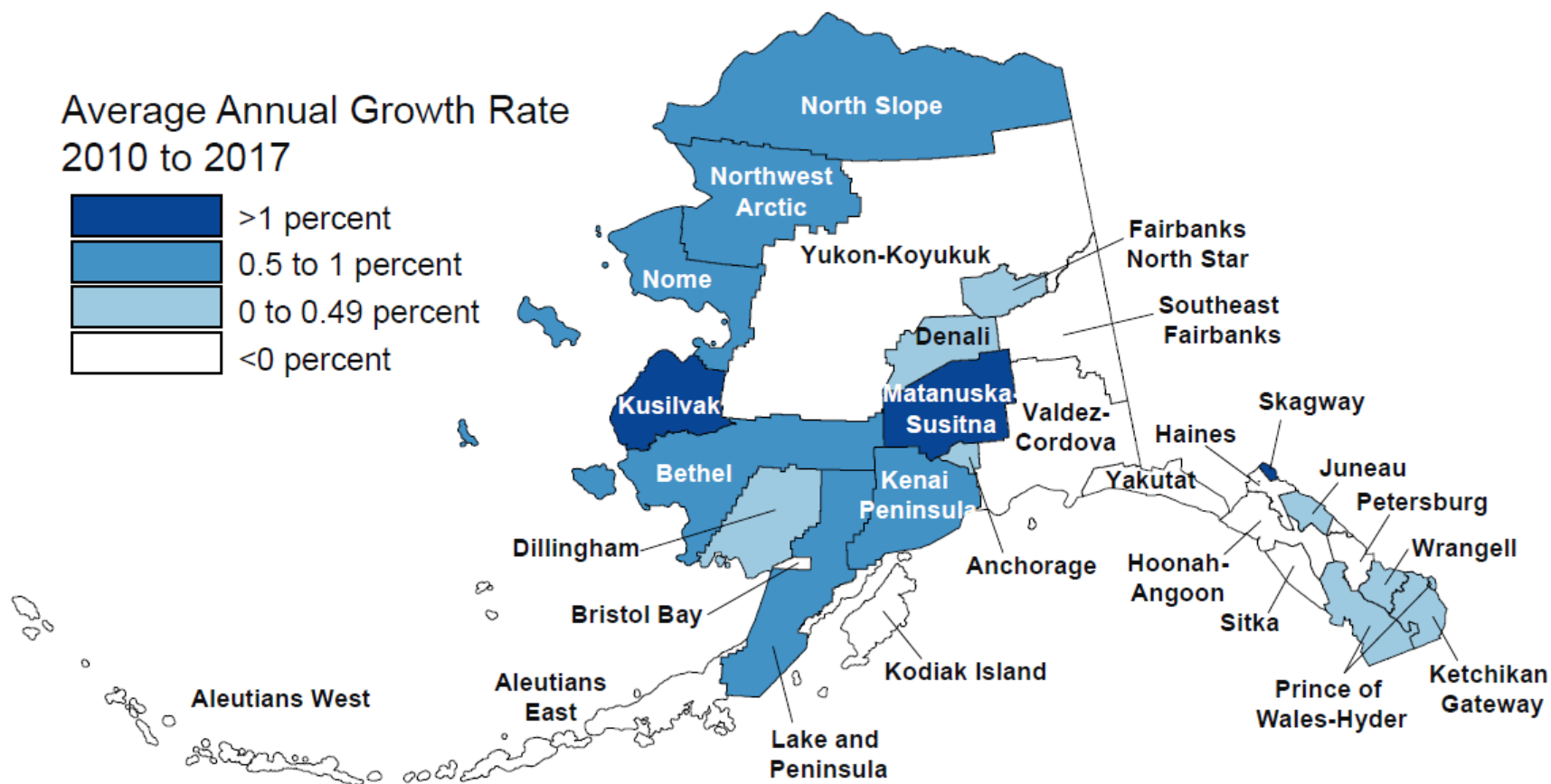
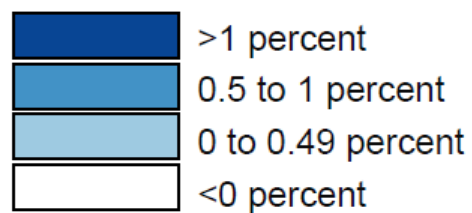
Average Annual Rate of Net Migration 2010 to 2017



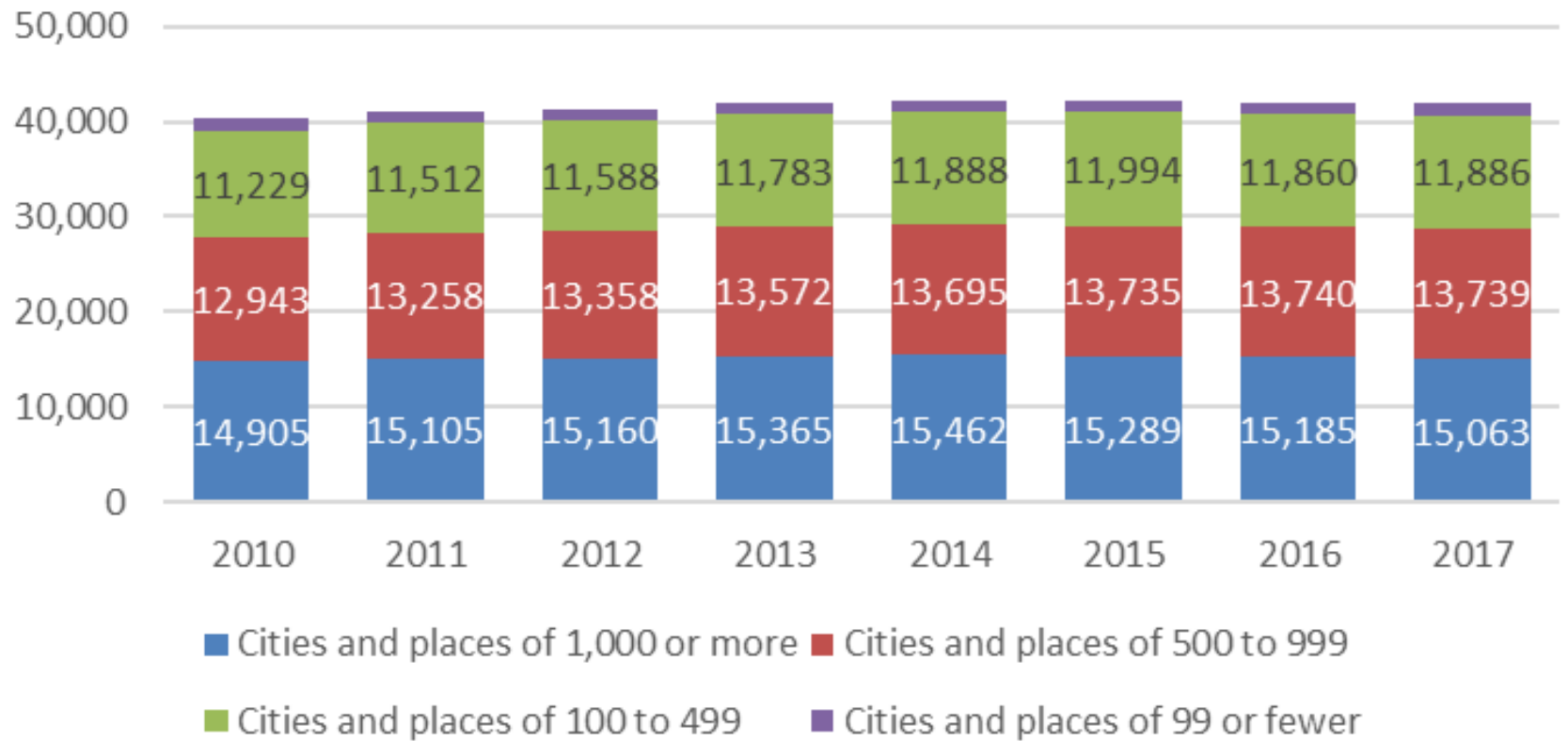
Average Annual
Rate of Natural Increase
2010 to 2017



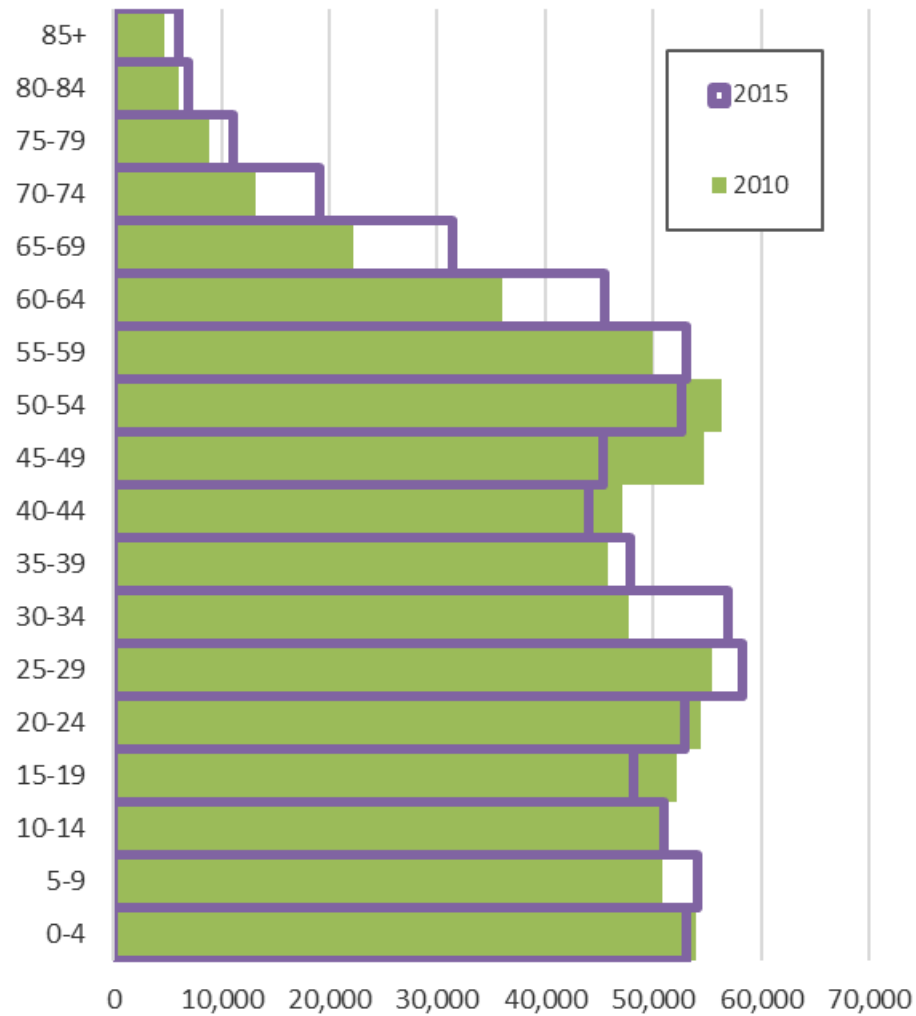
Average Annual Growth Rate 2010 to 2017



Population by Size of Community Southwest Alaska, 2010 to 2017

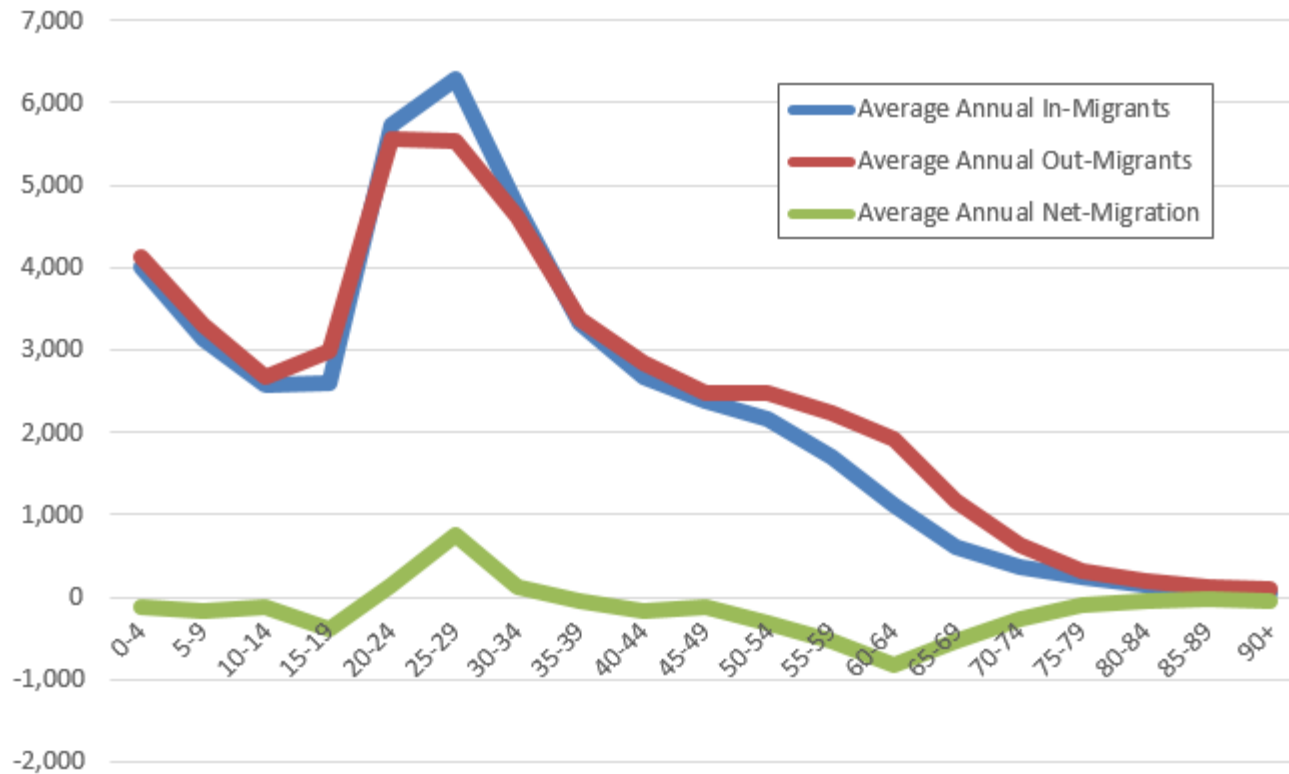


Population by Age Alaska, 2010 and 2015



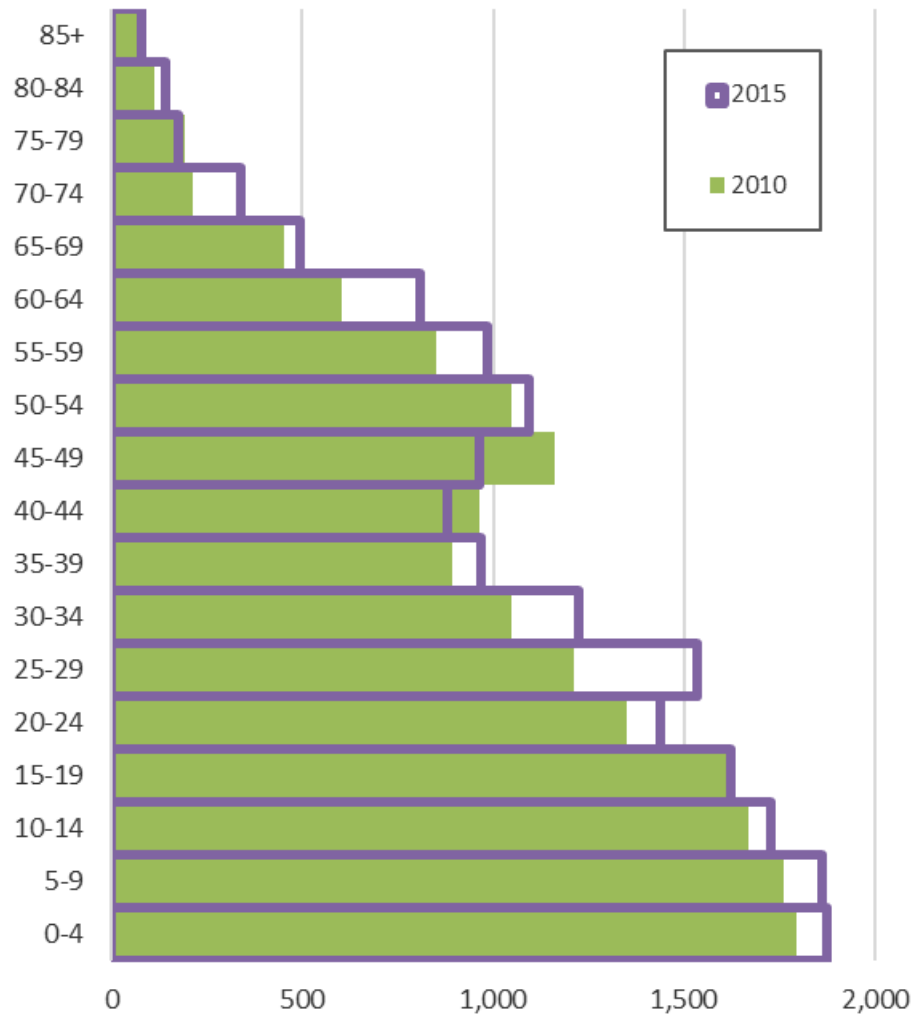
Migration by Age

Alaska, 2010 to 2015



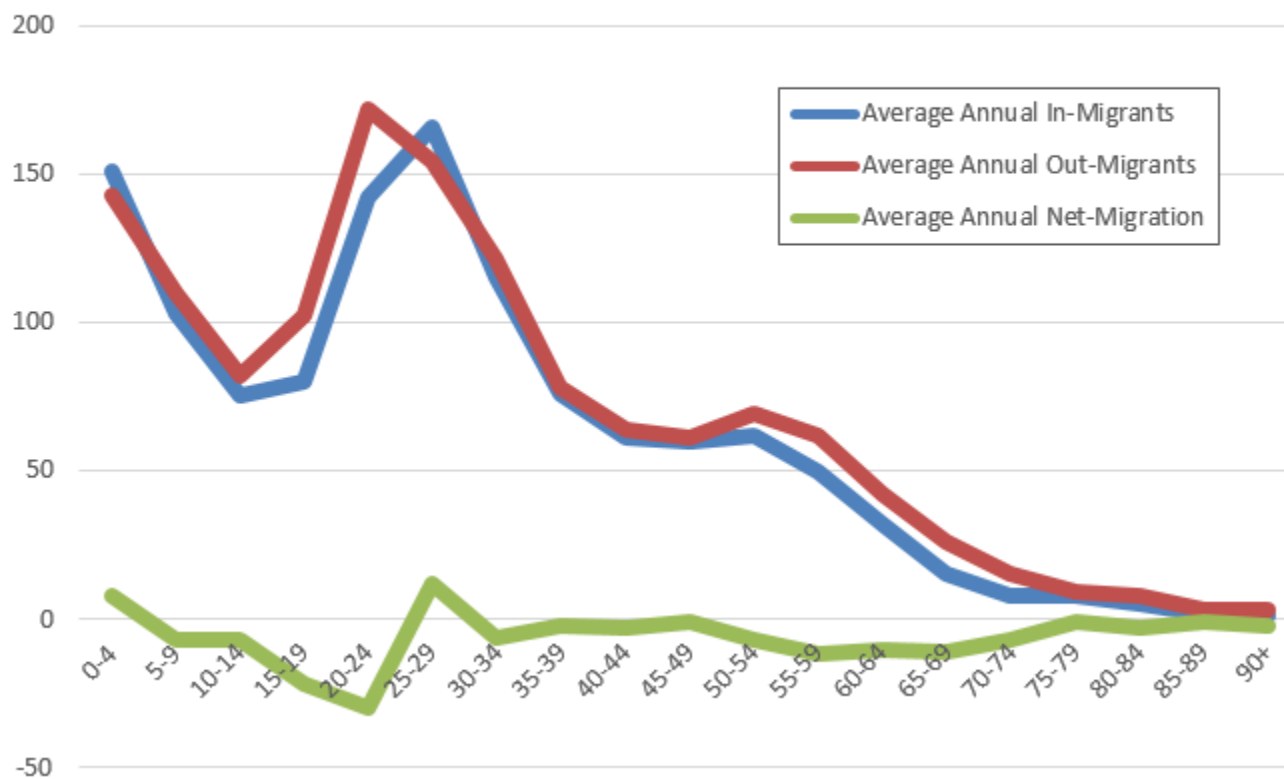
Population by Age

Bethel Census Area, 2010 and 2015



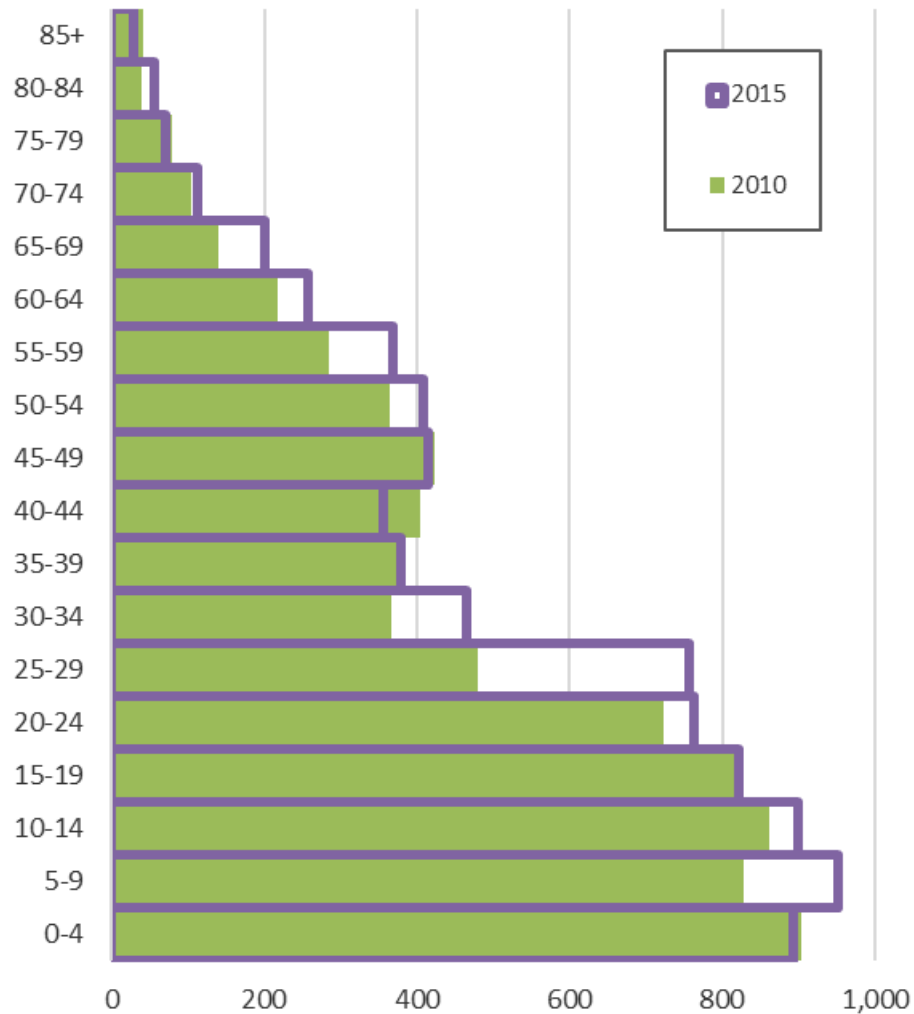
Migration by Age

Bethel Census Area, 2010 to 2015



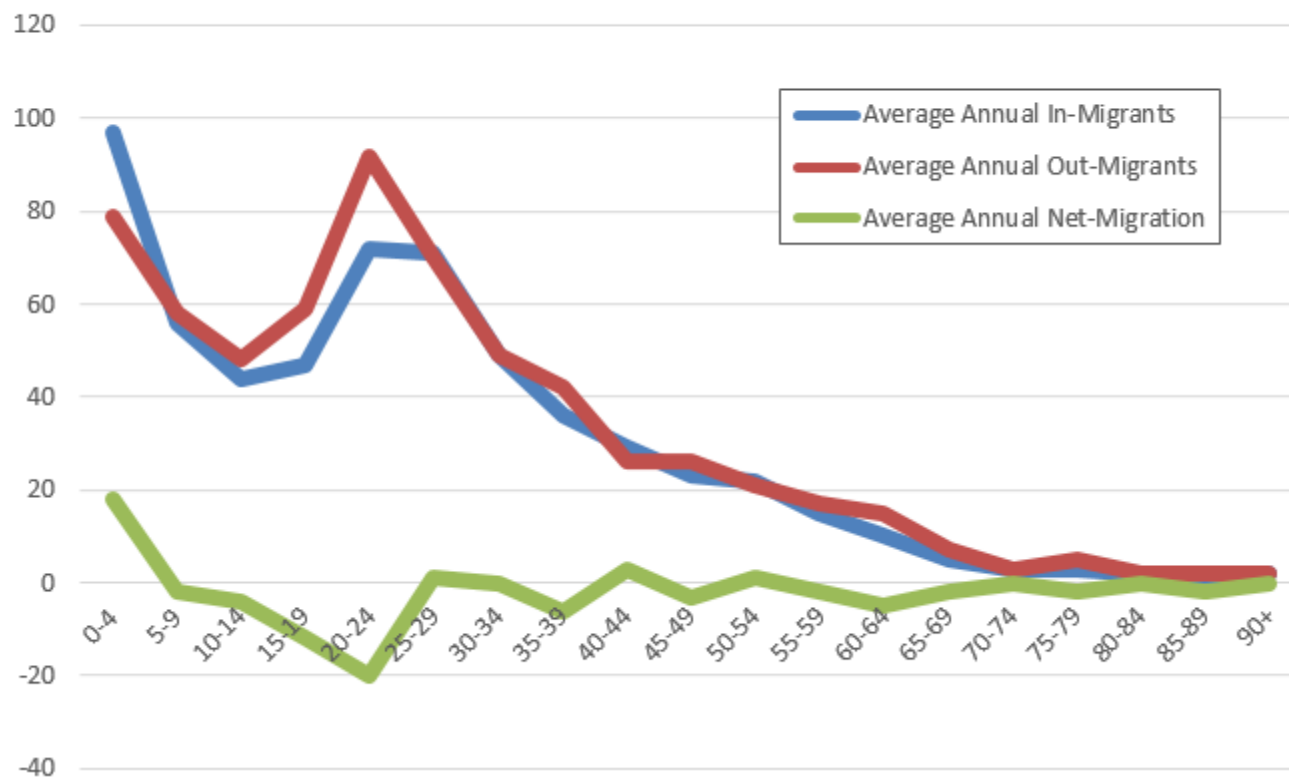
Population by Age

Kusilvak Census Area, 2010 and 2015



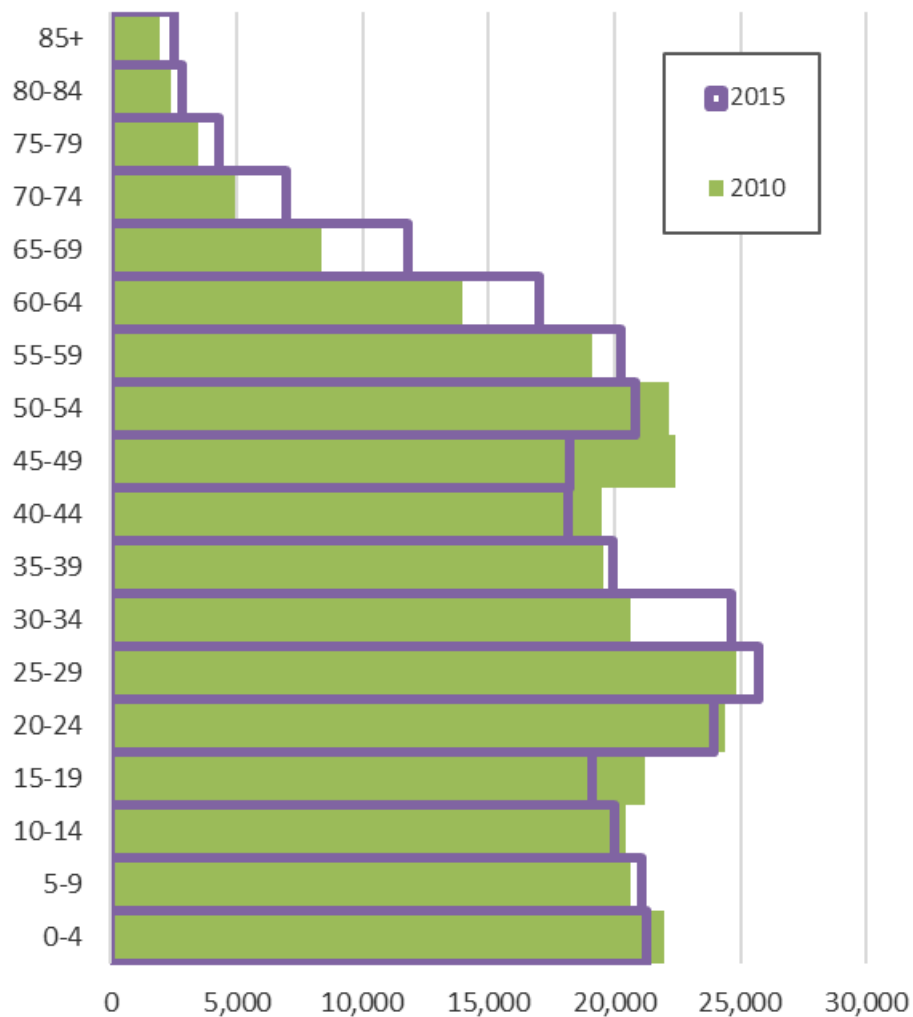
Migration by Age

Kusilvak Census Area, 2010 to 2015



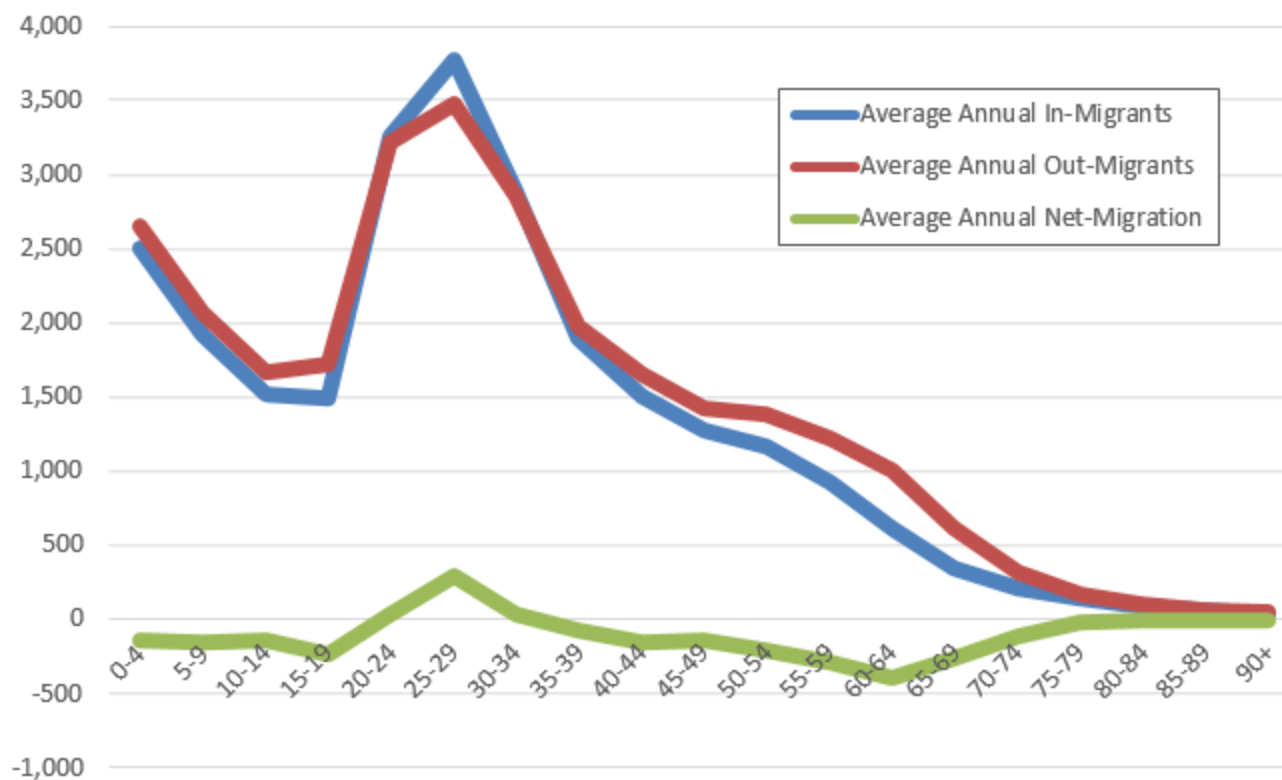
Population by Age

Anchorage, 2010 and 2015



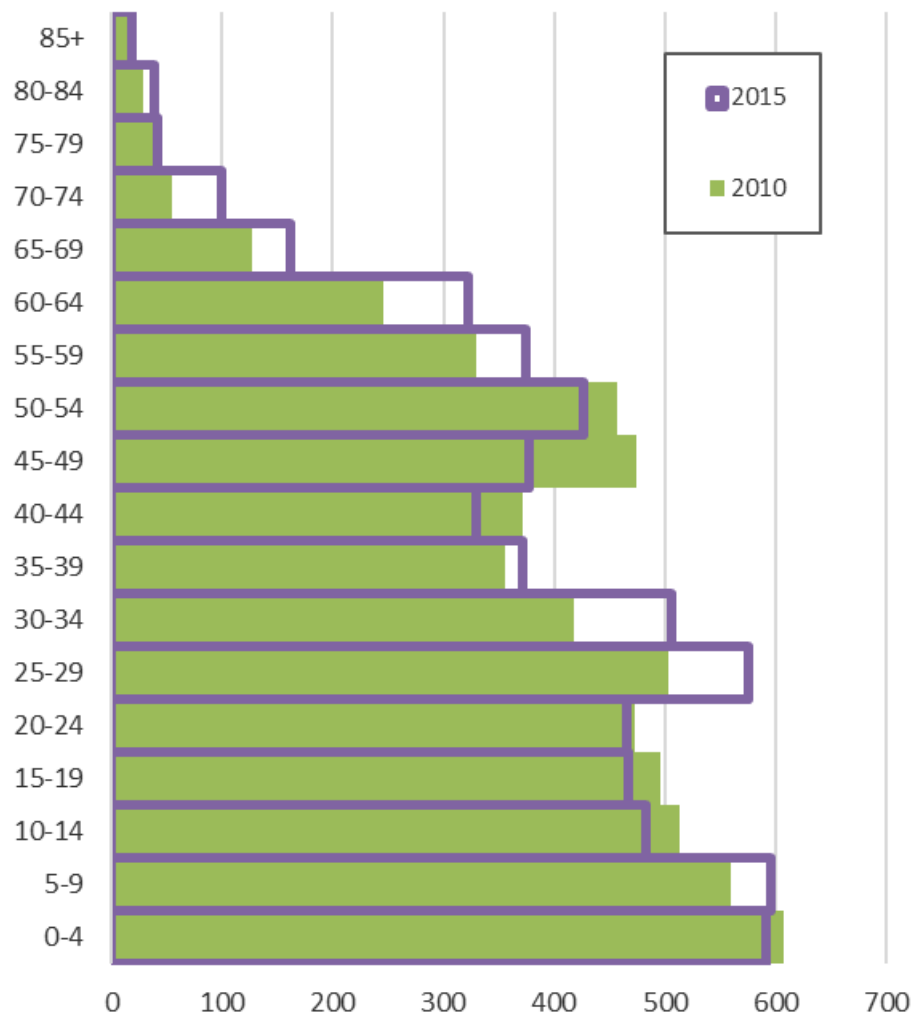
Migration by Age

Anchorage Municipality, 2010 to 2015

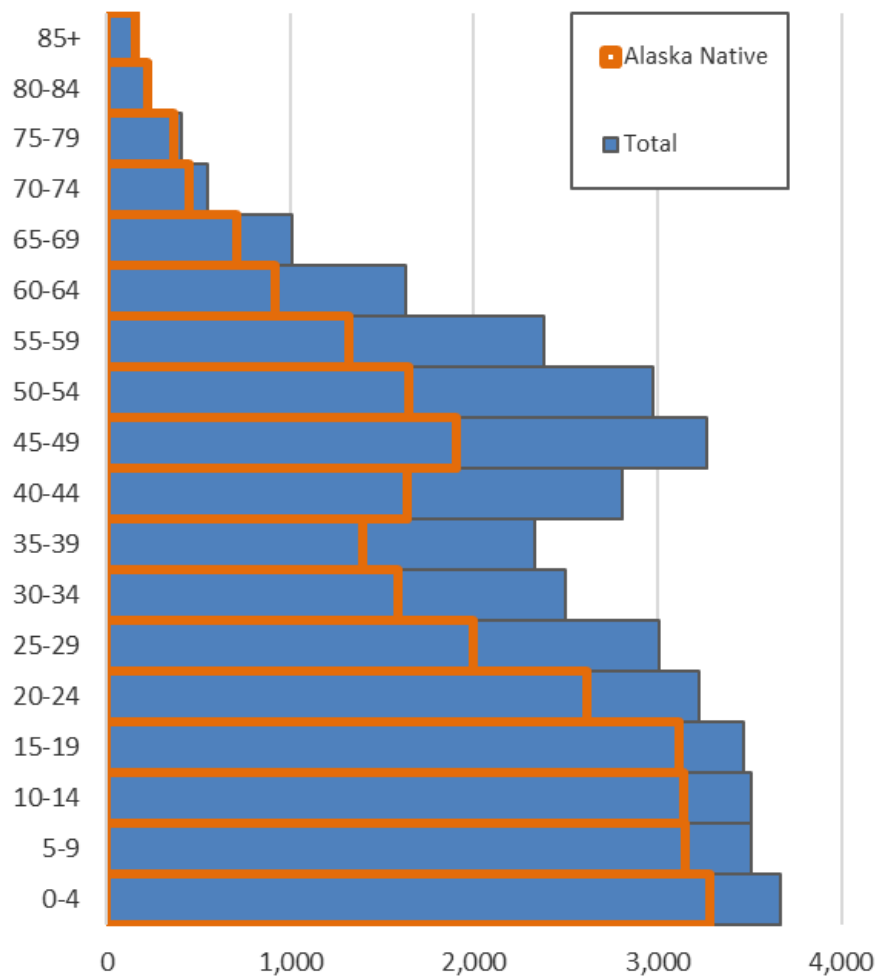


Population by Age

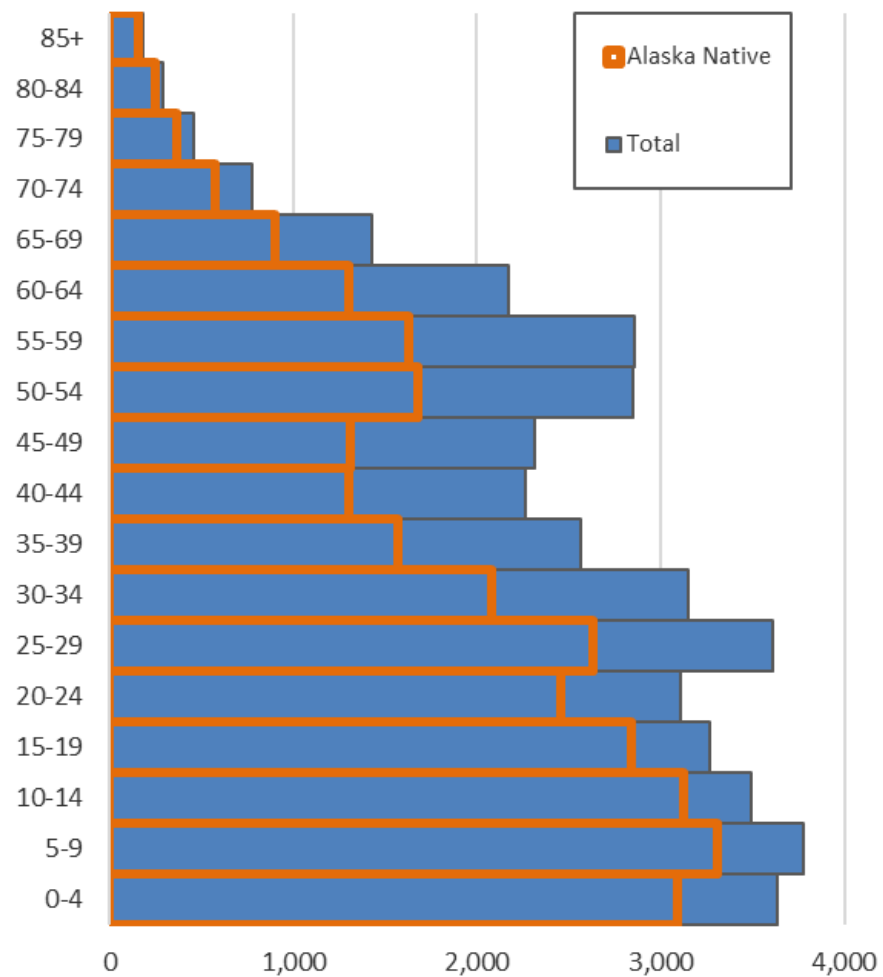
City of Bethel, 2010 and 2015



Alaska Native and Total Population by Age, Southwest Alaska, 2010



Alaska Native and Total Population by Age, Southwest Alaska, 2017



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Wages

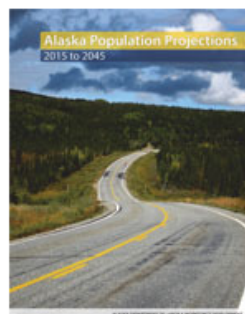
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State of Alaska > Department of Labor > Research & Analysis Home > Population Estimates > Population Projections

Alaska Population Projections**Alaska Population Projections 2015 to 2045**

The Alaska Department of Labor and Workforce Development produces population projections for Alaska. The population projections are based on the current population and historical trends in birth, death, and migration levels.

Downloadable Excel Files

- Statewide
- Alaska Native
- Borough/Census Area

**Additional
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YOUR OPINION****Related Alaska Economic Trends Articles**[Alaska Population Projections \(June 2014\)](#)[Population Projections– 2010 to 2034 \(December 2010\)](#)[Population Projections– 2007 to 2030 \(October 2007\)](#)[Population Projections \(February 2005\)](#)[Alaska Population Trends \(July 1999\)](#)[Population Projections \(September 1998\)](#)

Agreement to Build Pipeline, Potential Fabrication Plant in Fairbanks, Population Forecast, North Slope Contracts with Alaska Construction Company, Seward Scallop Processing Plant, 1968 Fires, Airline Numbers (February 1969)

Related Links

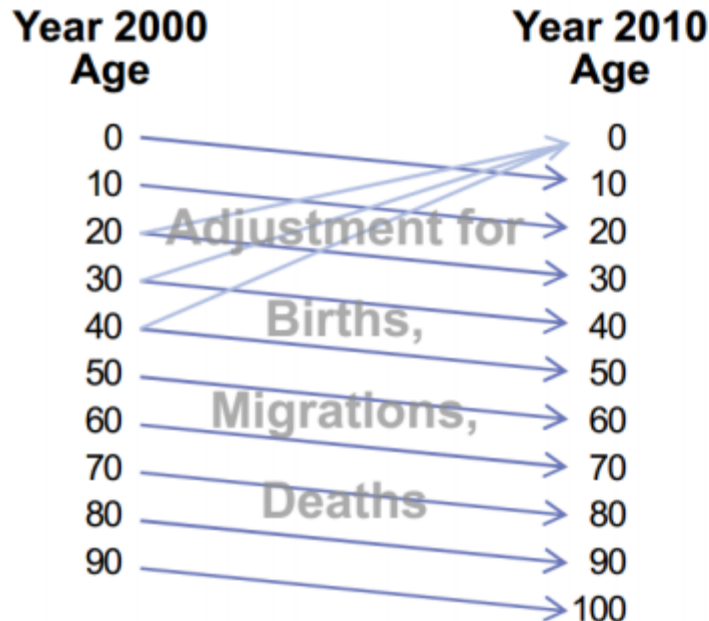
- U.S. Census Bureau Population Projections
- Federal-State Cooperative for Population Projections

Archived**Alaska Population Projections**

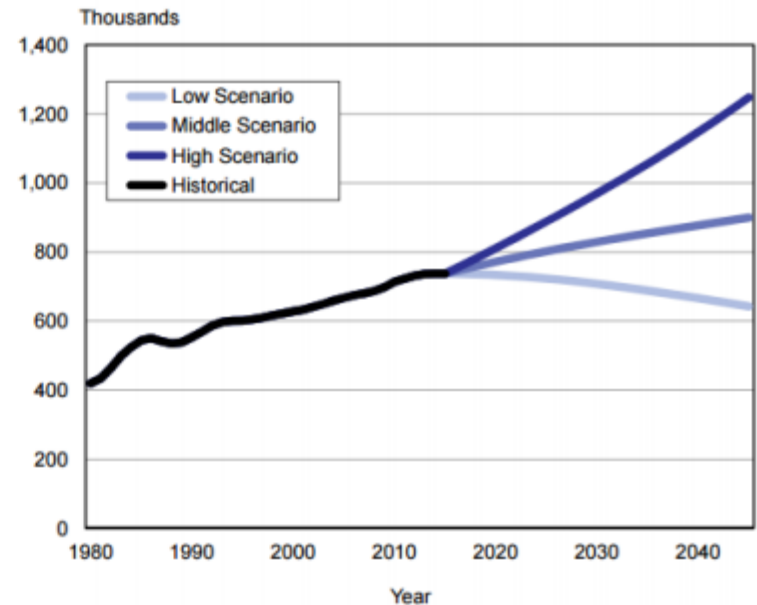
- 2012 - 2042 (PDF 1.2 MB)
- 2010 - 2035 (PDF 1.2 MB)
- 2010 - 2034 (PDF 538 KB)
- 2007 - 2030 (PDF 1.2 MB)

Population Projections: How we make them

The Cohort-Component Method

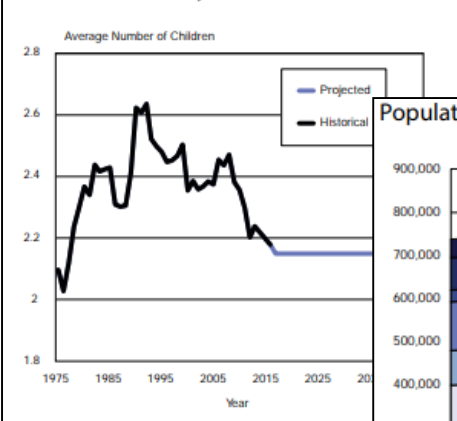


Total Population, Alaska, 1980 to 2045

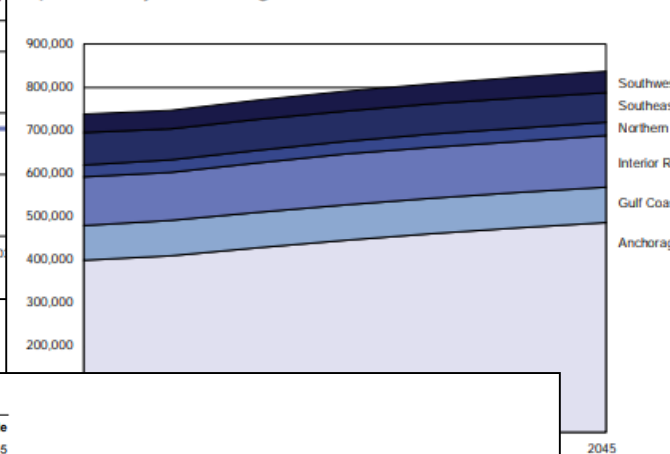


Population Projections: More information

Alaska Total Fertility Rate, 1975 to 2045



Population by Alaska Region, 2015 to 2045



July 1, 2045 Projected

Age	Total	Male	Female
0-4	2,550	1,305	1,245
5-9	2,323	1,168	1,155
10-14	2,125	1,079	1,046
15-19	2,049	1,045	1,004
20-24	1,897	980	917
25-29	1,814	930	884
30-34	1,466	746	720
35-39	1,486	741	745
40-44	1,317	685	632
45-49	1,136	606	530
50-54	1,055	480	575
55-59	1,043	515	528
60-64	745	373	372
65-69	467	224	243
70-74	376	169	207
75-79	381	206	175
80-84	366	184	182
85-89	213	85	128
90+	115	49	66
Total	22,924	11,570	11,354
Median	26.4	26.1	26.8

Projected Components of Population Change, 2017-2045

	Average Annual				
	Births	Deaths	Net Migration	Population Change	Growth Rate
2017-2020	432	122	-202	108	0.6%
2020-2025	440	128	-166	146	0.8%
2025-2030	453	138	-162	153	0.8%
2030-2035	472	148	-156	168	0.8%
2035-2040	495	159	-140	196	0.9%
2040-2045	522	165	-127	230	1.0%

Note: Average annual numbers are rounded to whole numbers.

Figure 2.1
Alaska Native Population
by Age and Sex, 2017

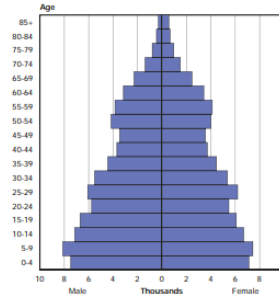


Figure 2.2
Alaska Native Population
by Age and Sex, 2025

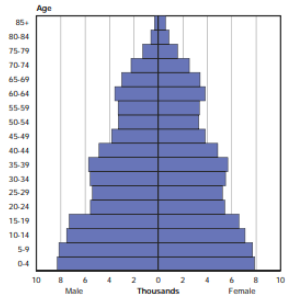


Figure 2.3
Alaska Native Population
by Age and Sex, 2035

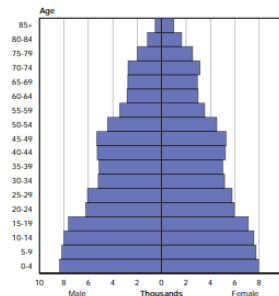
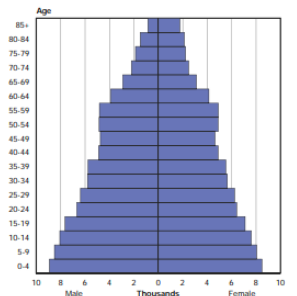


Figure 2.4
Alaska Native Population
by Age and Sex, 2045



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Maps & GIS Data

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[2010 Census](#)
[2000 Census](#)
[1880-1990 Censuses](#)
[Other Boundary Maps](#)
[Population Maps](#)
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Boundary Maps

2017 Estimates

Statewide

[Boroughs and Census Areas](#)
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Borough/Census Areas

Choose a borough/census area ▼

Census Tracts

Choose a census tract ▼

Cities and Census Designated Places

Choose a city/CDP ▼

Note: These maps reflect the boundaries and names used in the 2017 Population Estimates.

2010 Census


Statewide

[Boroughs and Census Areas](#)
[Alaska's Census Profile](#)

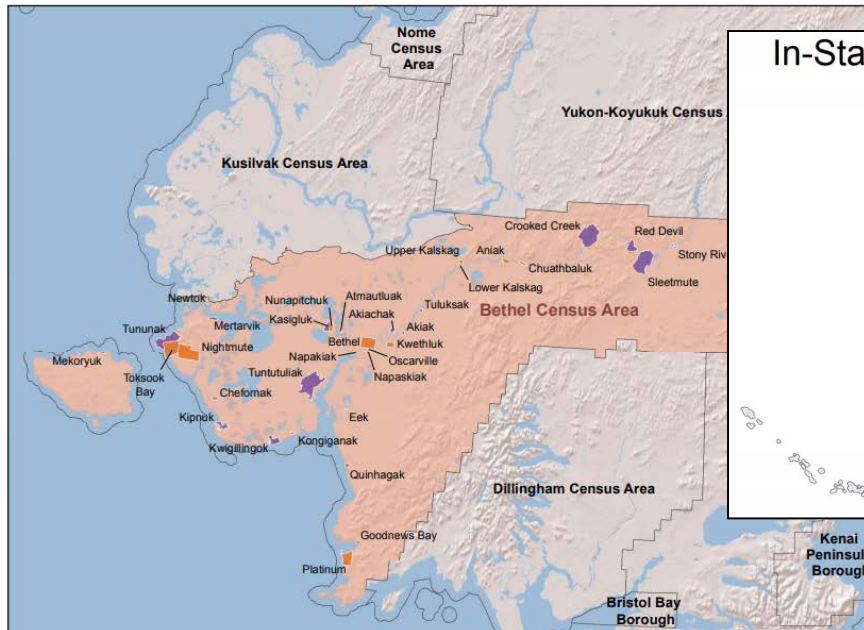
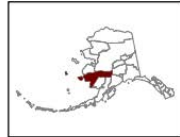
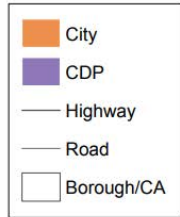
Borough/Census Areas

Choose a borough/census area ▼

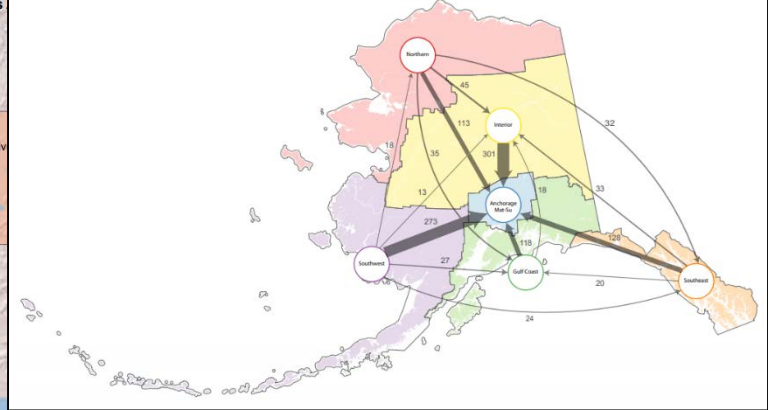
Census Tracts

Census & ACS
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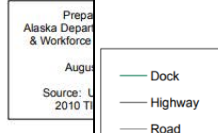
Bethel Census Area



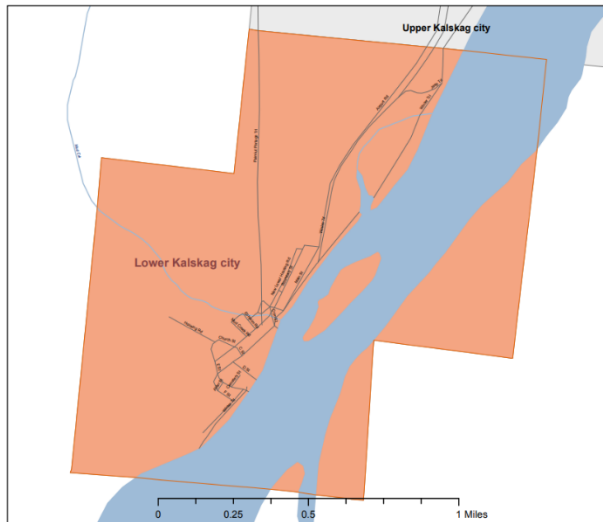
In-State Net Migration by Economic Region 2016-2017



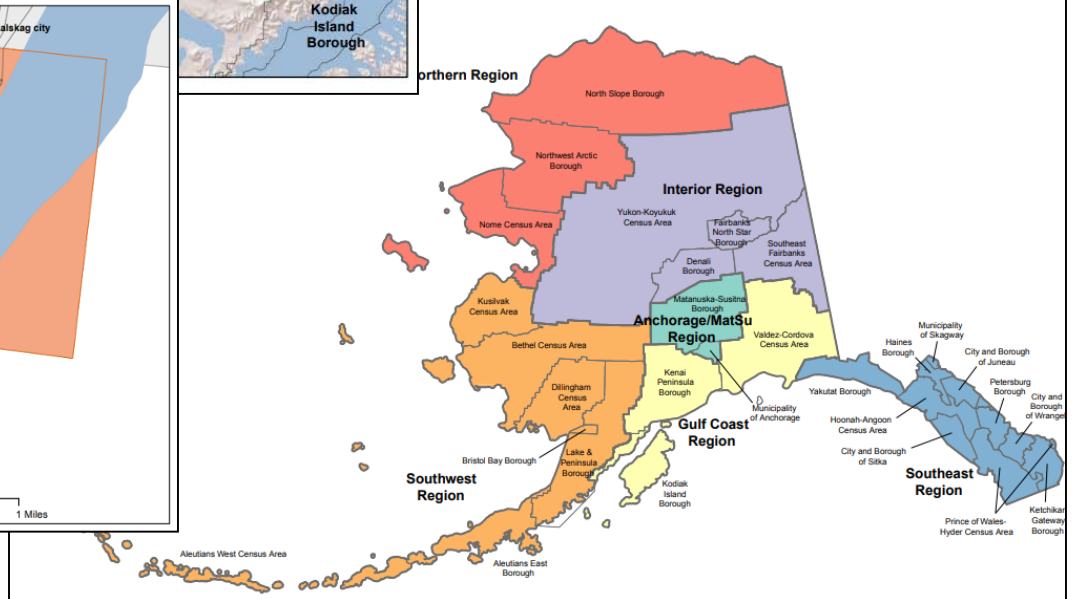
Lower Kalskag City



Prepared by:
Alaska Department of Labor
& Workforce Development
October 2011
Source: US Census
2010 TIGERline



Economic Regions



Department of Labor and Workforce Development

Research and Analysis

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Alaska Census Data and Information

Population, social, economic and housing data are collected and tabulated by the U.S. Census Bureau as part of the decennial census and [American Community Survey](#). [Population estimates](#) for years between censuses are published by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

2020 Census

As mandated by Article I, Section 2, of the U.S. Constitution, the federal government counts the U.S. resident population every 10 years. The data collected by the decennial census determine the number of seats each state has in the U.S. House of Representatives (a process called apportionment) and is also used to distribute billions in federal funds to local communities.

The 2020 Census: A New Design for the 21st Century

Motivate People to Respond

Conduct a nation-wide communications and partnership campaign

- Maximize outreach using traditional and new media
- Target ads to specific audiences
- Work with trusted sources to inspire participation



TELEPHONE AND PAPER SELF-RESPONSE

NONRESPONSE FOLLOWUP

INTERNET SELF-RESPONSE

Count the Population

Collect data from all households, including group and unique living arrangements

- Make it easy for people to respond anytime, anywhere
- Encourage people to use the new online response option
- Use the most cost-effective strategy to contact and count nonrespondents
- Knock on doors only when necessary
- Streamline in-field census-taking

Establish Where to Count

Identify all addresses where people could live



IN-OFFICE

- Conduct a 100% review and update of the nation's address list
- Minimize field work with in-office updating
- Use multiple data sources to identify areas with address changes
- Get local government input



Release Census Results

Process and Provide Census Data

- Deliver apportionment counts to the President by December 31, 2020
- Release counts for redistricting by April 1, 2021
- Make it easier for the public to get data



Census & ACS Information

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Previous Censuses

[2010 Census Demographic Profiles](#)[2010-1880 Census Data for Alaska](#)

2020 Census Importance: Funding, redistricting, and research

- Hundreds of billions of federal dollars are distributed across the country each year based in part on population data that start with the decennial census
- State and federal redistricting are completed every ten years based on data from the decennial census
- Countless statistics throughout the decade use decennial census data in one way or another
 - Population, employment, education, health, crime...

2020 Census: Voices from Alaska

- Local data managers and stakeholders
- State data managers (incl many beyond our office) and stakeholders
- *Alaska Census Working Group, convened by the Foraker Group*
- *Partnership with groups like the Association of Village Council Presidents and Calista Corporation to hold events like this one*

Thank you!

Contact: eddie.hunsinger@alaska.gov
907-269-4960

Website: laborstats.alaska.gov

Listserv: laborstats.alaska.gov/email/emailnotify.htm

