Alaska Population Projections
2007 - 2030
Presentation given to attendees of the “Alaska Native Population Changes” Workshop, hosted by the Alaska Native Tribal Health Consortium, and the Alaska Native Epidemiology Center, in April of 2008.

Welcome!

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What will be covered

Alaska Native Population Projections: Input and Results
What These Projections Offer:

Projected future population by age and sex for Alaska Natives, based on projected fertility, mortality and migration rates.

But they don’t offer a crystal ball gaze into the future
First: A Very Brief Overview of Alaska’s Population History
Components of Population Change for Alaska, 1947-2006

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.
Total Population Estimates
Alaska Native and non-Native, 1880-2000

Sources: U.S. Census Bureau and Alaskool.org
Methods
The Cohort-Component Method

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Adjustment for Births, Migrations, Deaths
Births
Total Fertility Rate, Alaska Native and Alaska Total
1975-2005 Point Estimates, 2010-2030 Projections

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Migration
Alaska Native Net Migration

Moderate and relatively stable.

Projected to be slightly negative, as most Alaska Natives live in Alaska.

Projected to be about .25 percent per year.
Deaths
Female Life Expectancy, Alaska Native and Alaska Total Population
1980-2000 Estimated, 2010-2030 Projected

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section and U.S. Social Security Administration
Male Life Expectancy, Alaska Native and Alaska Total Population
1980-2000 Estimated, 2010-2030 Projected

Life Expectancy at Birth

Year


AK Native
AK Total

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section and U.S. Social Security Administration
Results
Alaska’s Total Population

* Of 2000 paths, “Middle” is the median of the distribution, “High and “Low” are the 90% confidence bounds.

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Total Alaska Native Population
1980-2000 Estimated, 2010-2030 Projected

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section and U.S. Census Bureau
Percent of Alaska’s Total Population, Alaska Native and non-Native
1980-2000 Estimated, 2010-2030 Projected

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section and U.S. Census Bureau
Projected Average Annual Components of Population Change
Alaska Native Population, 2006-2030

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Average Annual Natural Increase and Net Migration
Alaska Native Population, 2006-2030

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Population by Age
Estimated Alaska Native Population by Age and Sex, 1980

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Estimated Alaska Native Population by Age and Sex, 1985

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Estimated Alaska Native Population by Age and Sex, 1990

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Estimated Alaska Native Population by Age and Sex, 1995

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Estimated Alaska Native Population by Age and Sex, 2000

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Estimated Alaska Native Population by Age and Sex, 2005

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Alaska Native Population by Age and Sex, 2010

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Alaska Native Population by Age and Sex, 2015

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Alaska Native Population by Age and Sex, 2020

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Alaska Native Population by Age and Sex, 2025

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Projected Alaska Native Population by Age and Sex, 2030

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Alaska Native and non-Native Estimated Population by Age and Sex, 2006

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit
Alaska Native and non-Native Projected Population by Age and Sex, 2030

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit
Alaska Native by Age Group
2000-2005 Estimated, 2010-2030 Projected

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Alaska Native by Selected Age Group, Percent Distribution
2000-2005 Estimated, 2010-2030 Projected

Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Regional Projections for the Total Population
Total Fertility Rates Across the State

Highest in areas with high proportion of Alaska Natives.

Lowest (in some cases less than 2.0) in Southeast.
Net Migration Across the State

Very unpredictable, and also very important to knowing the future.

By far the highest is in Mat-Su.

Roughly zero or negative in most other places, but age profile of migration matters a lot here.
Life Expectancy Across the State

Not possible to determine directly, as data is so limited.

It was roughly estimated based on the proportion Alaska Native and non-Native in the borough.
Population, Alaska Economic Regions

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Population, Alaska Economic Regions

Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section
Native Population by Region
Proportion Alaska Native by Borough, 2006

Proportion Native

- 75% to 100%
- 25% to 75%
- 10% to 25%
- 6% to 10%

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section
Alaska Native Population By Selected Region, 1980-2005
(“Urban” Includes Anchorage, Mat-Su, Fairbanks, Juneau and Kenai Boroughs)

Sources: U.S. Census Bureau and Alaska Department of Labor and Workforce Development, Research and Analysis Section
Thank You!

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More information and complete data: almis.labor.state.ak.us