



Alaska Population Projections

2007 - 2030



ALASKA DEPARTMENT OF LABOR
& WORKFORCE DEVELOPMENT

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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Alaska Department of Labor and Workforce
Development



What will be covered

Alaska Native Population Projections:
Input and Results

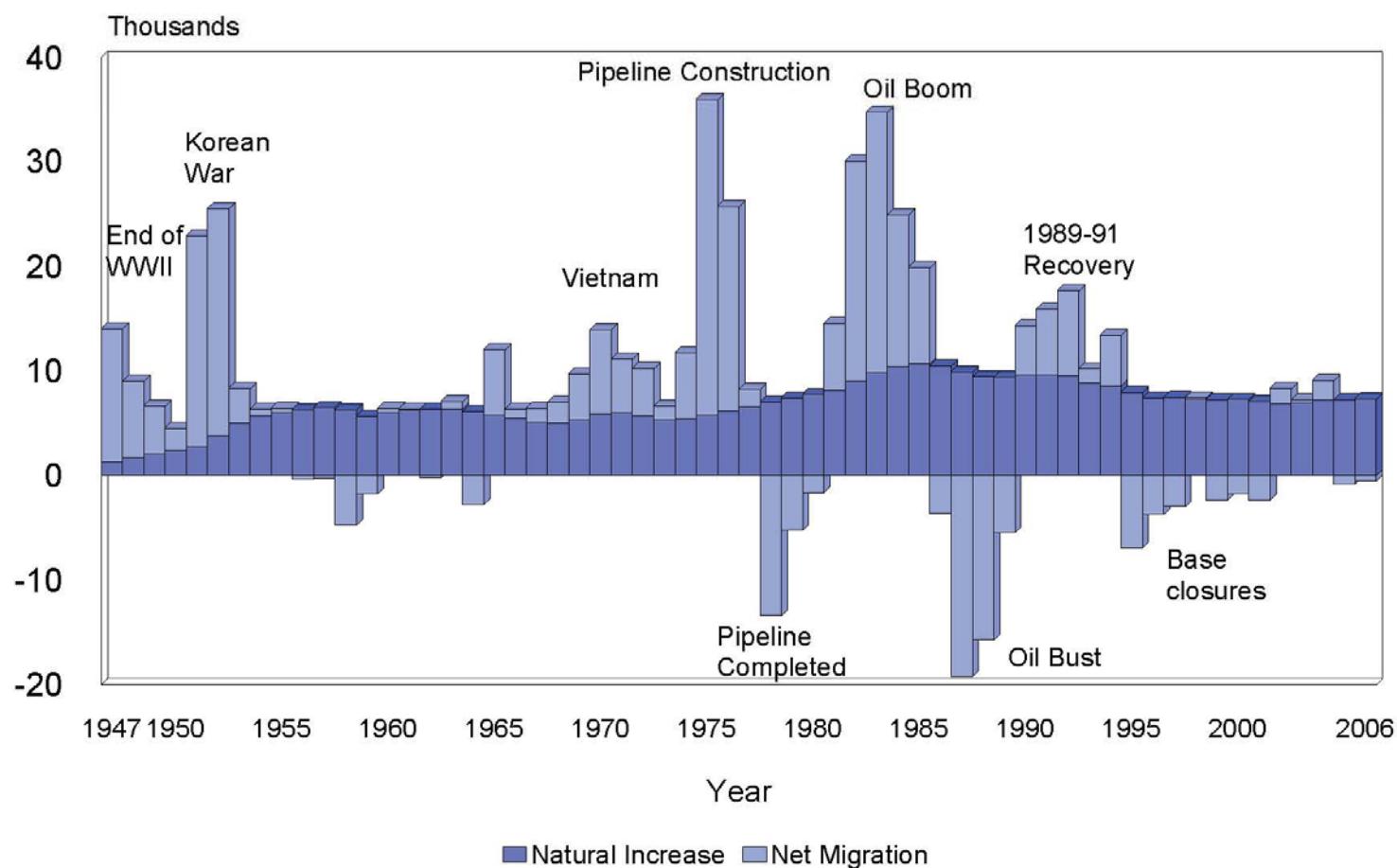
What These Projections Offer:

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

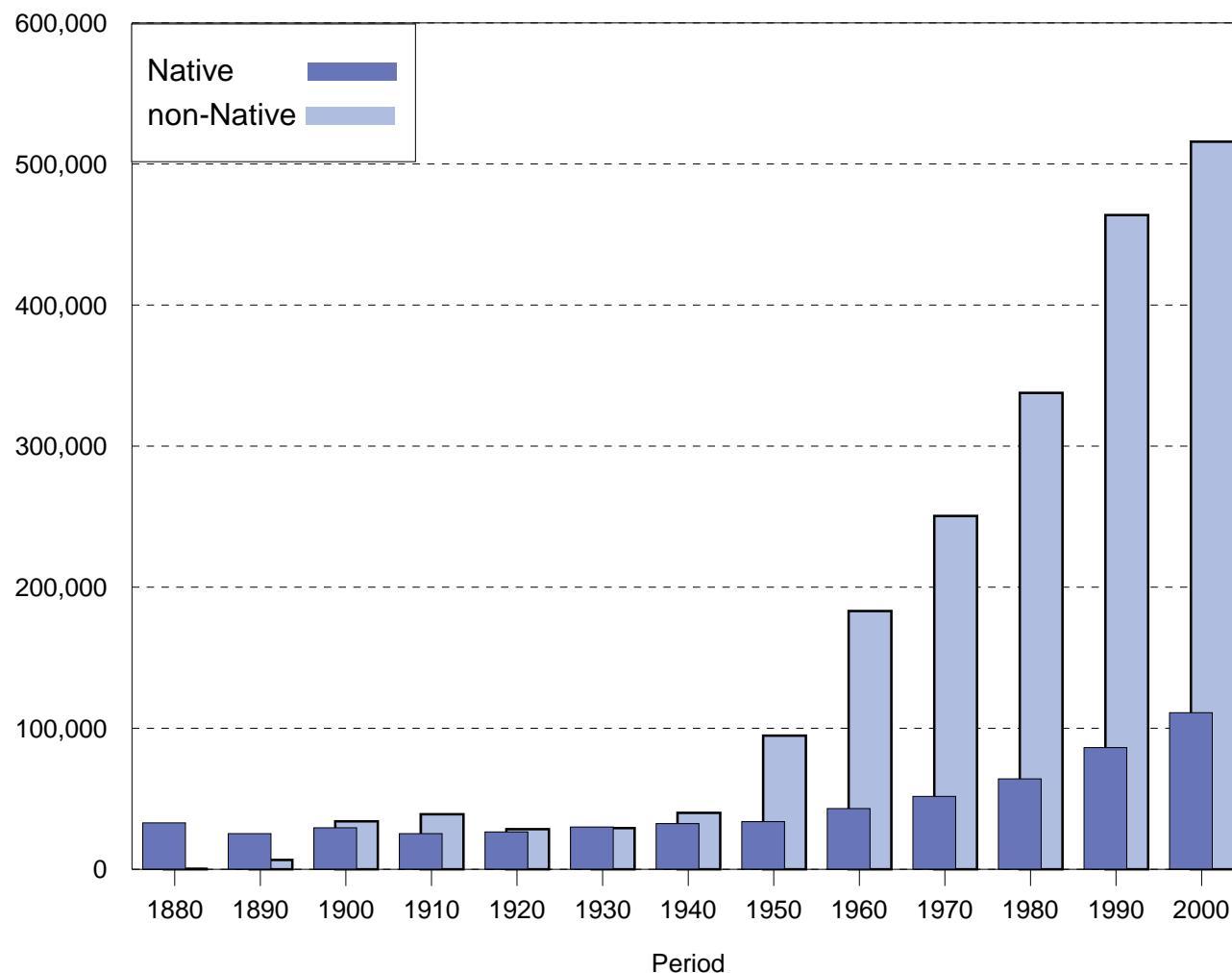
First: A Very Brief Overview of Alaska's Population History

Components of Population Change for Alaska, 1947-2006



Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.

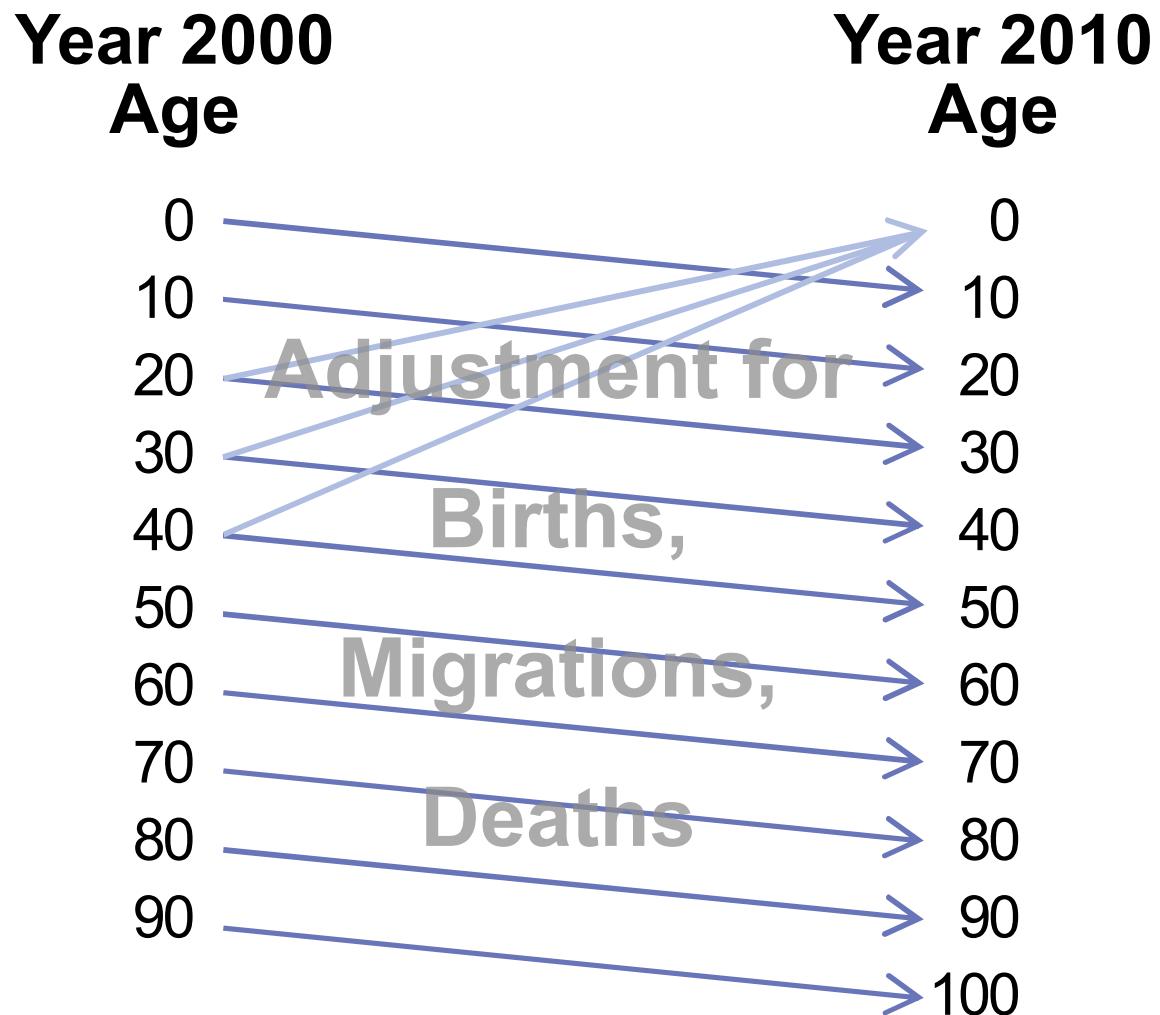
Total Population Estimates Alaska Native and non-Native, 1880-2000



Sources: U.S. Census Bureau and Alaskool.org

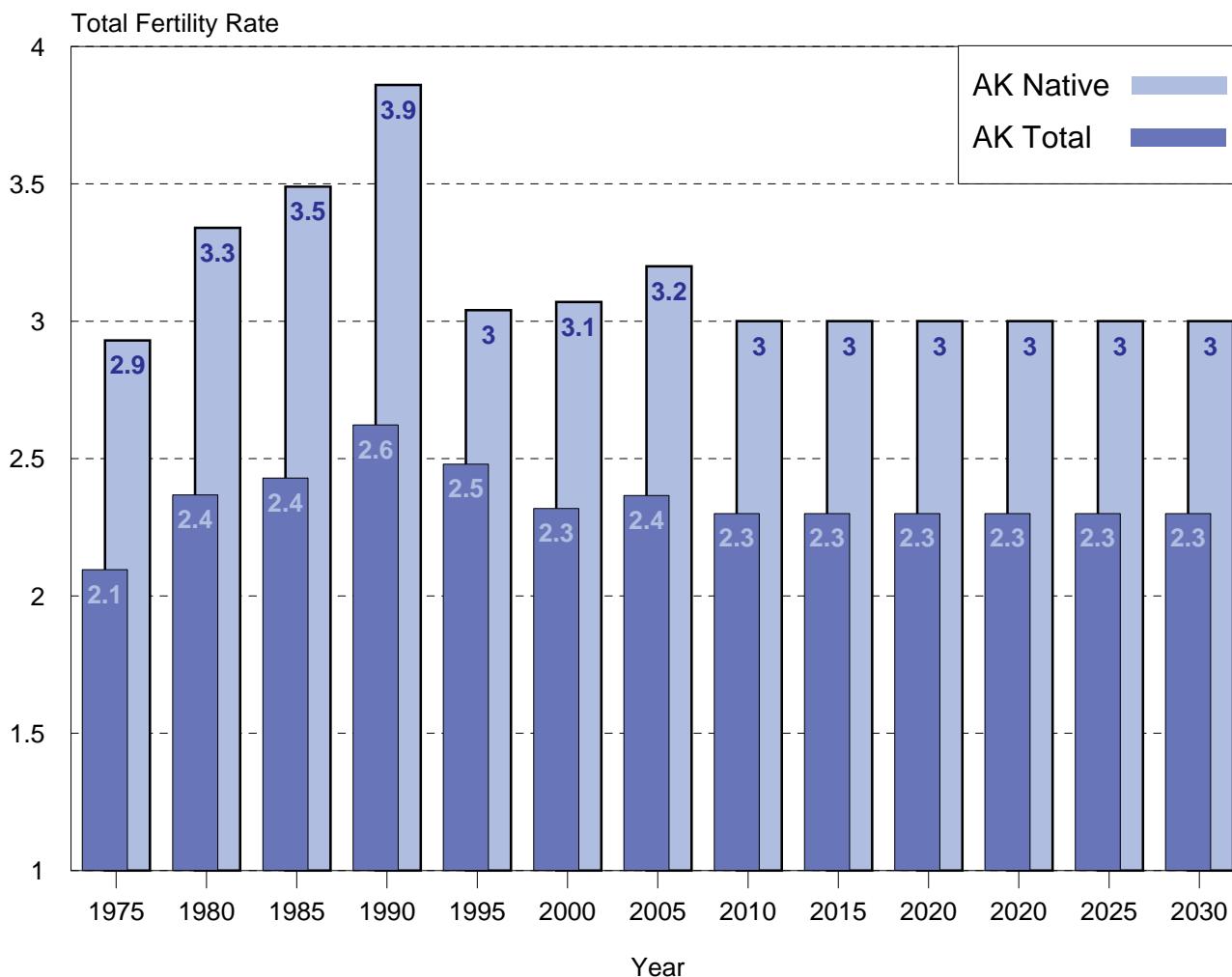
Methods

The Cohort-Component Method



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

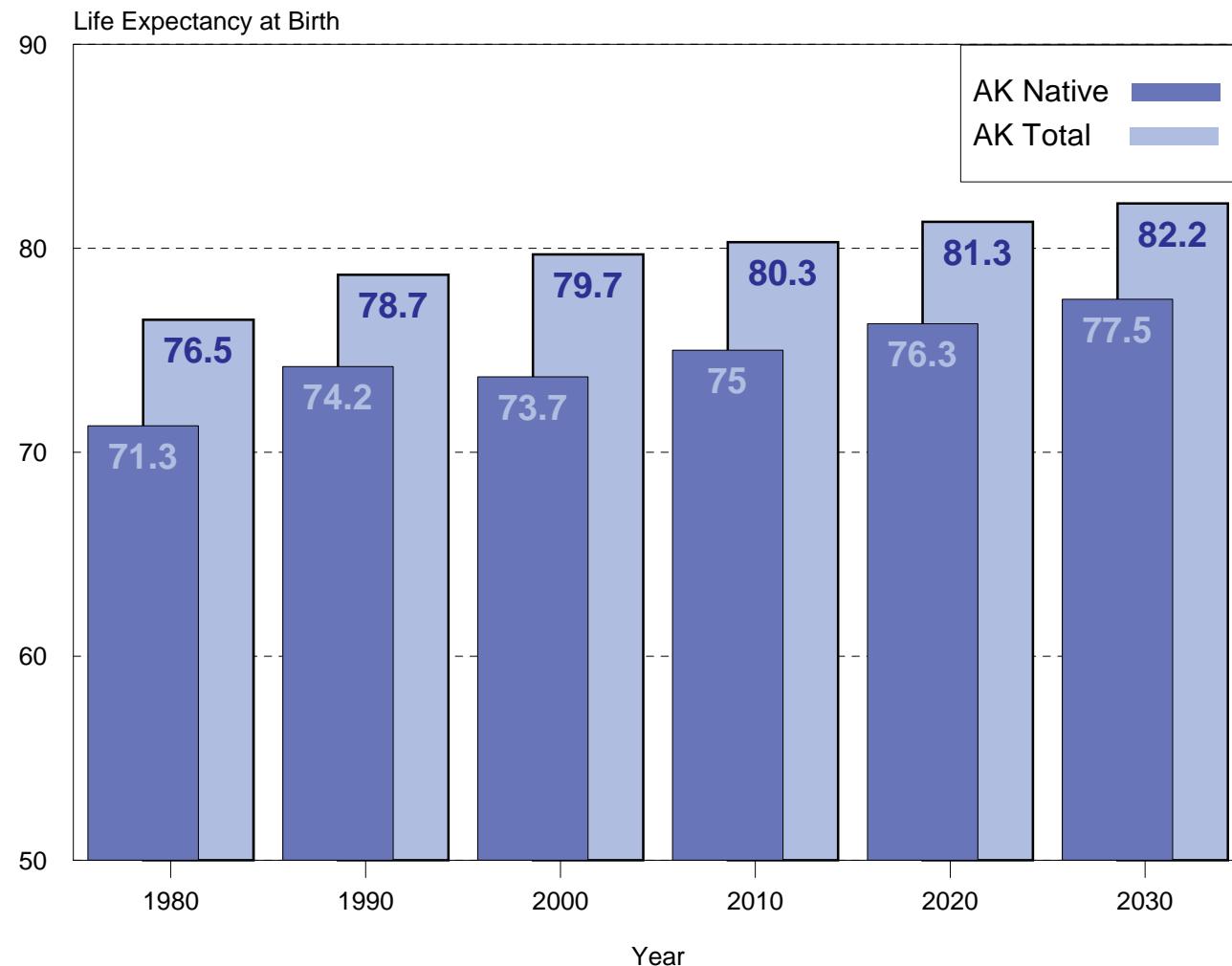
Moderate and relatively stable.

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

Projected to be about .25 percent per year.

Deaths

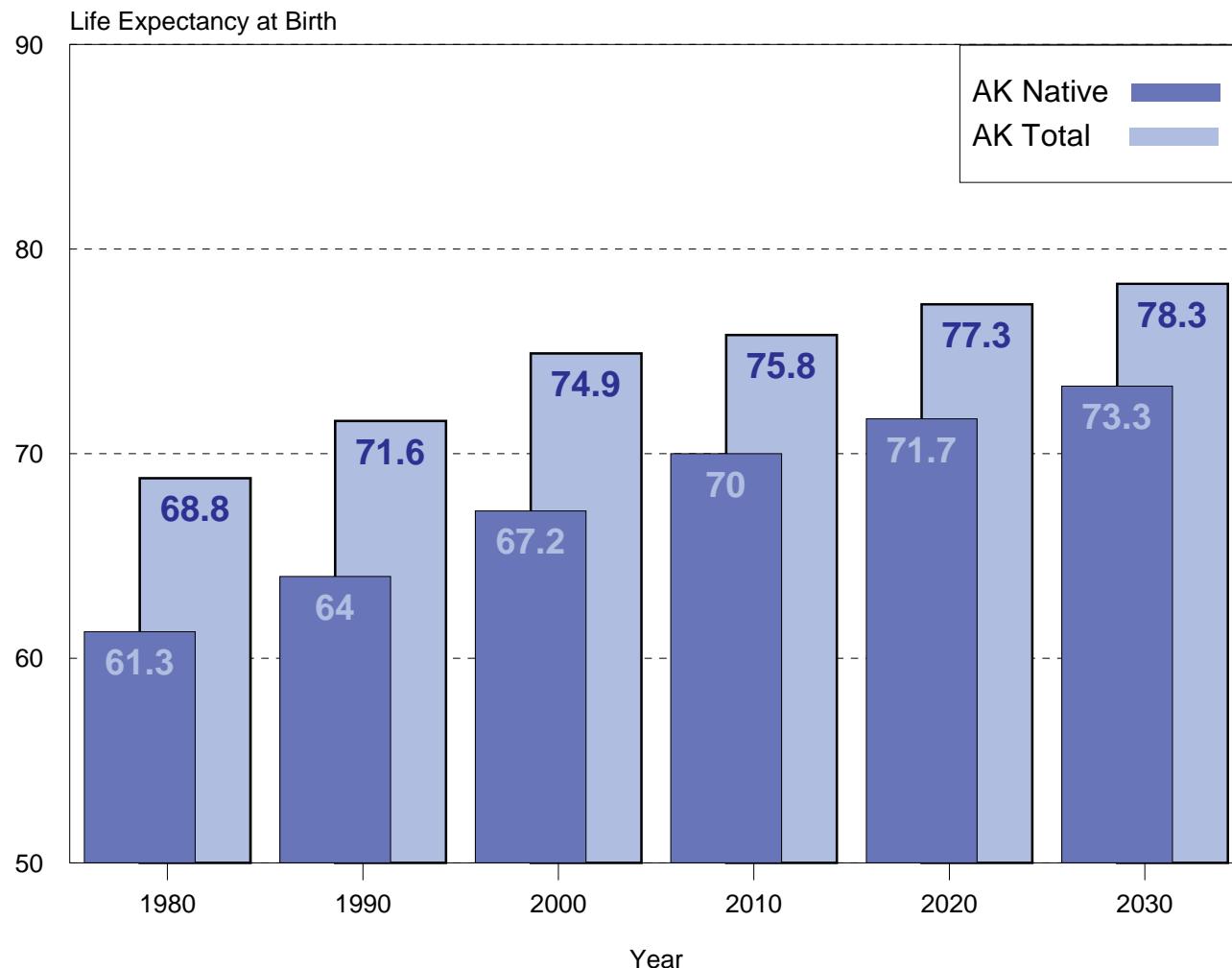
Female Life Expectancy, Alaska Native and Alaska Total Population 1980-2000 Estimated, 2010-2030 Projected



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

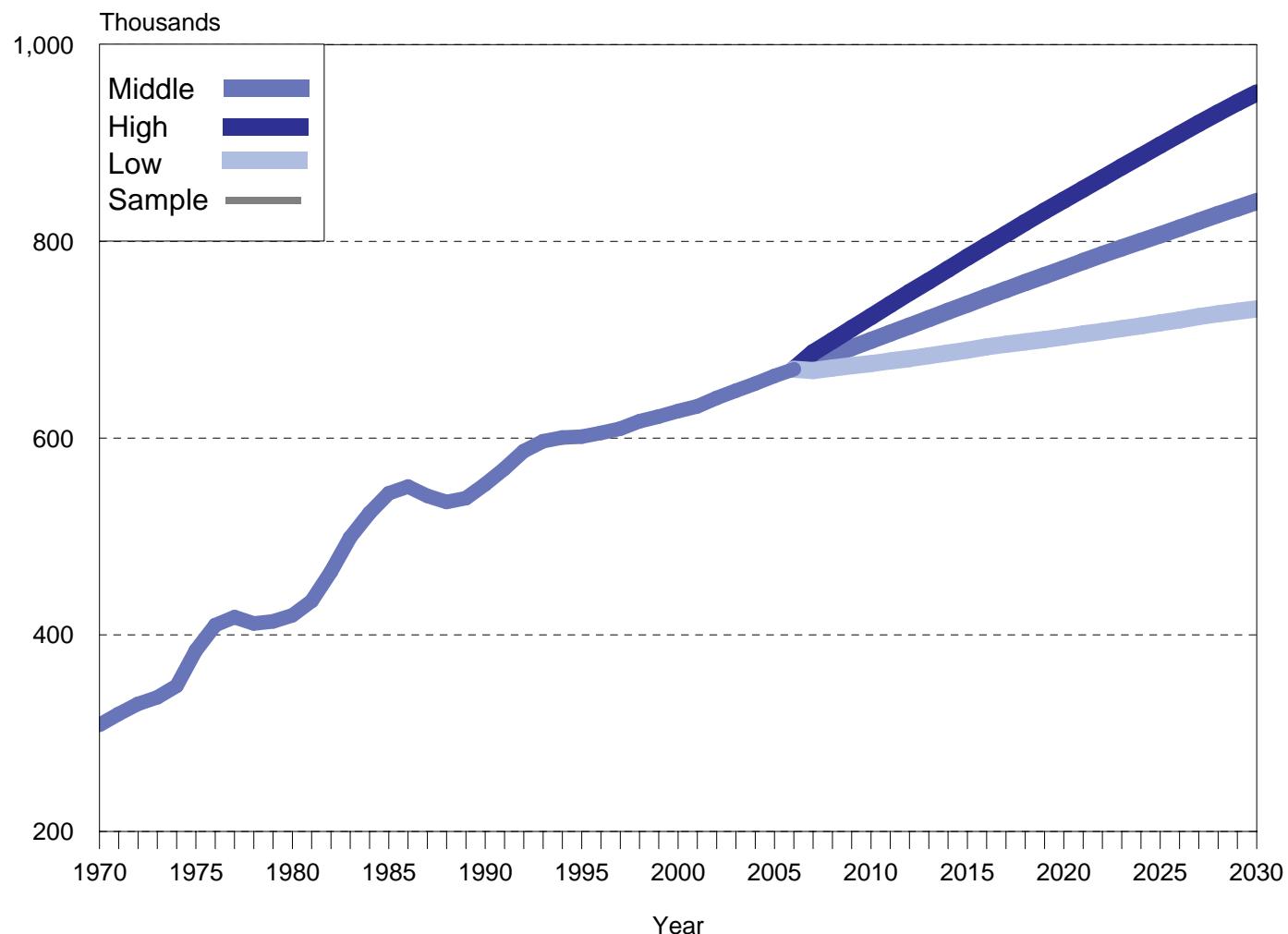


Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section
and U.S. Social Security Administration

Results

Alaska's Total Population

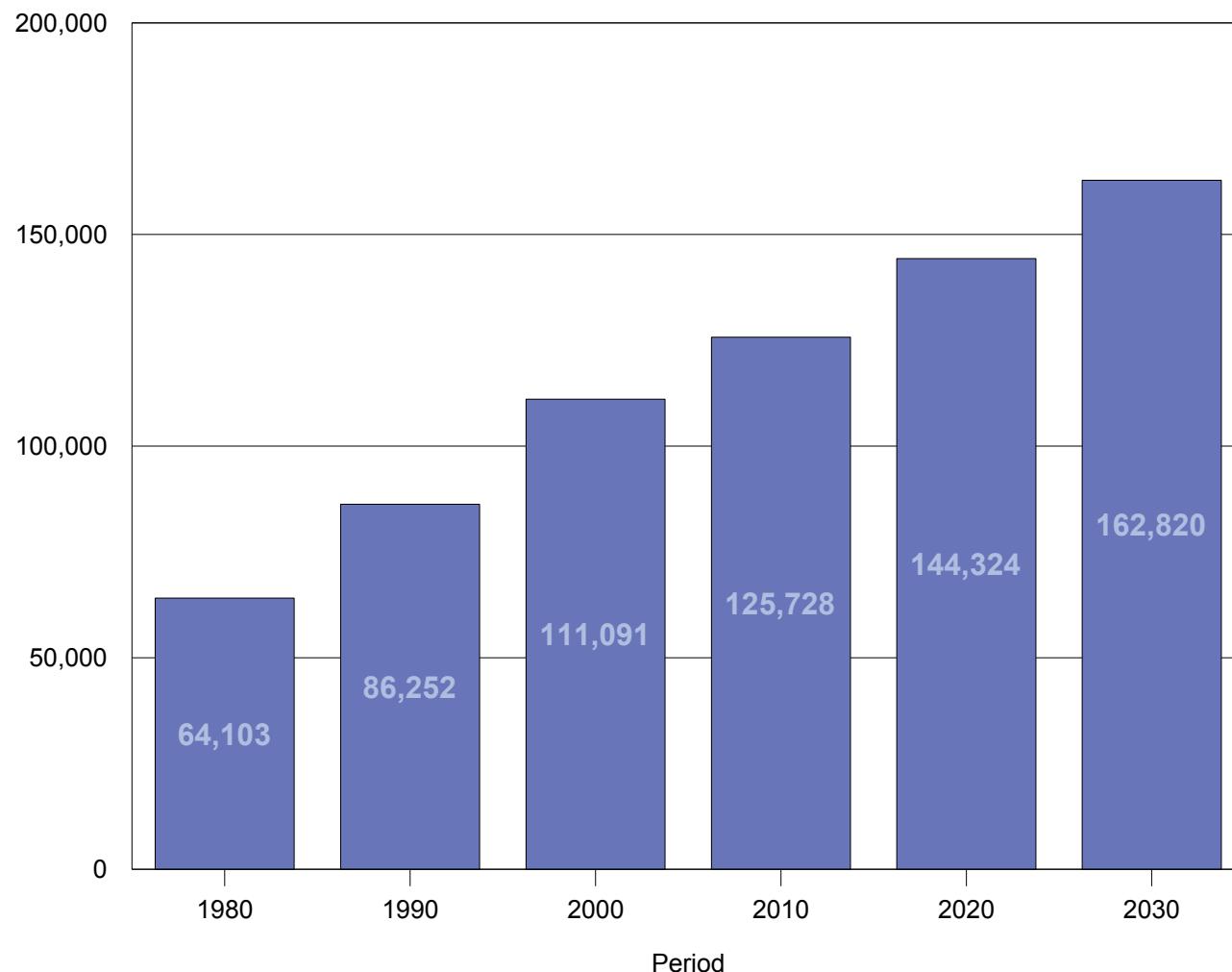
1970-2006 Estimated, 2007-2030 Projected



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

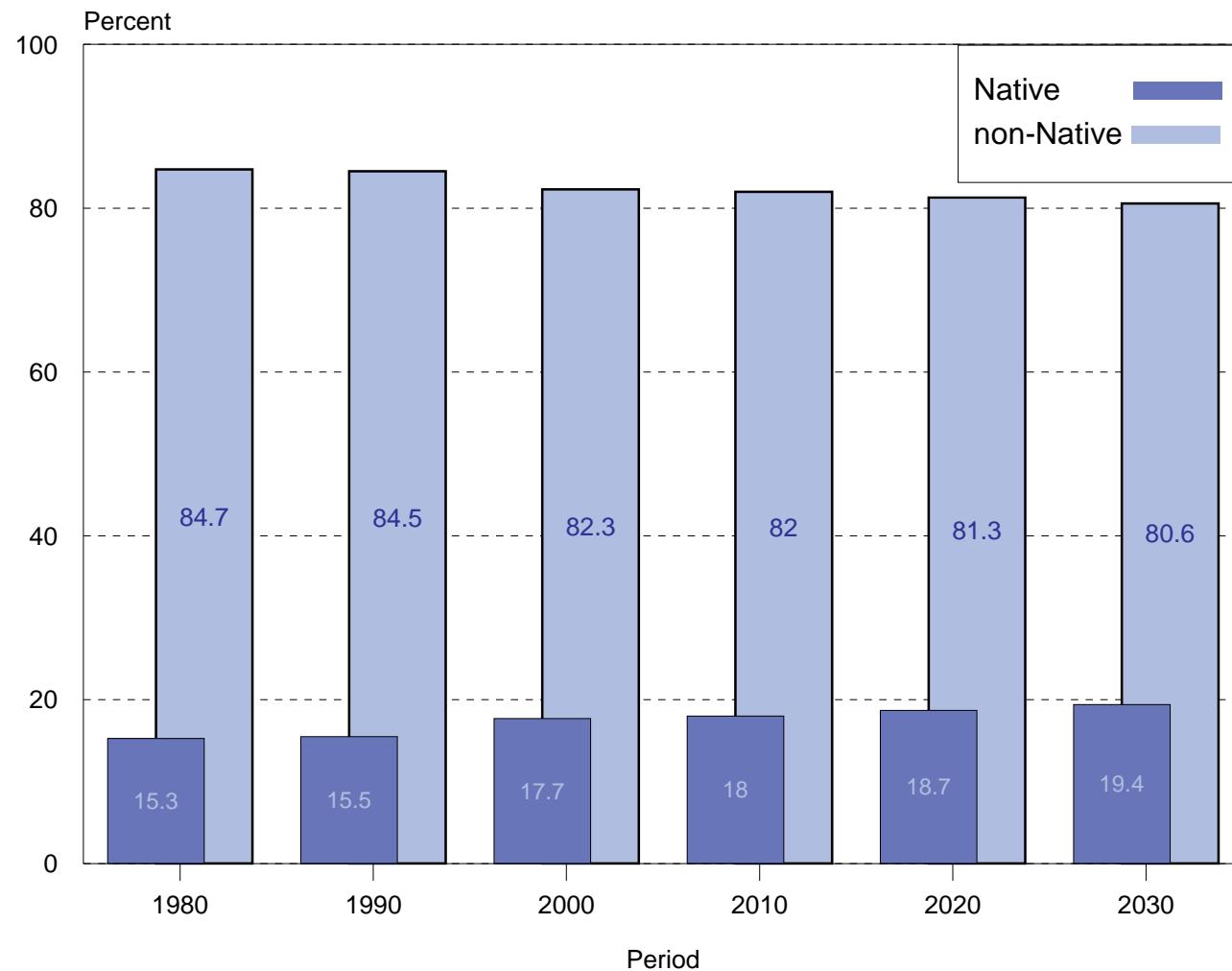
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Total Alaska Native Population 1980-2000 Estimated, 2010-2030 Projected



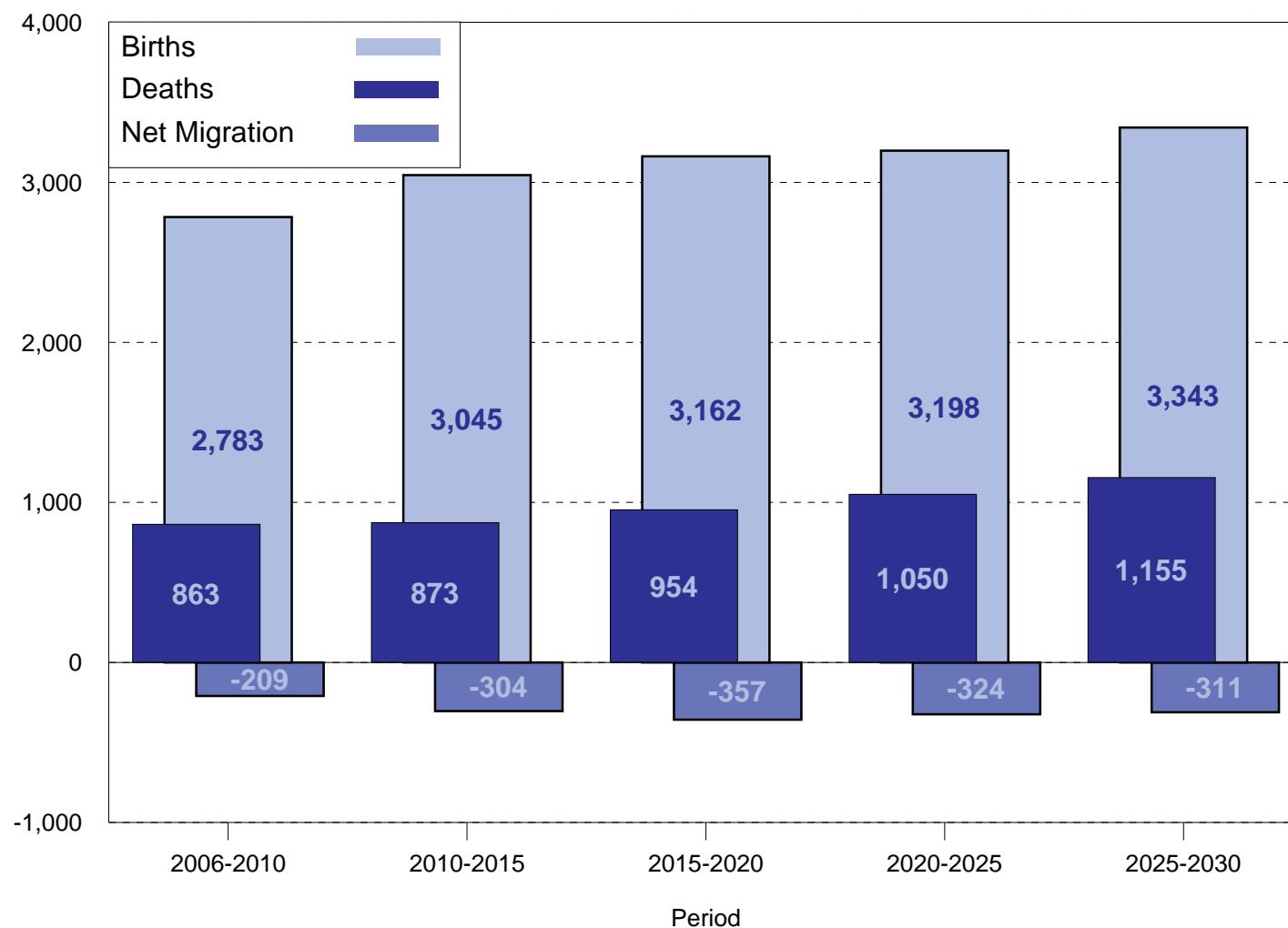
Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section
and U.S. Census Bureau

Percent of Alaska's Total Population, Alaska Native and non-Native 1980-2000 Estimated, 2010-2030 Projected



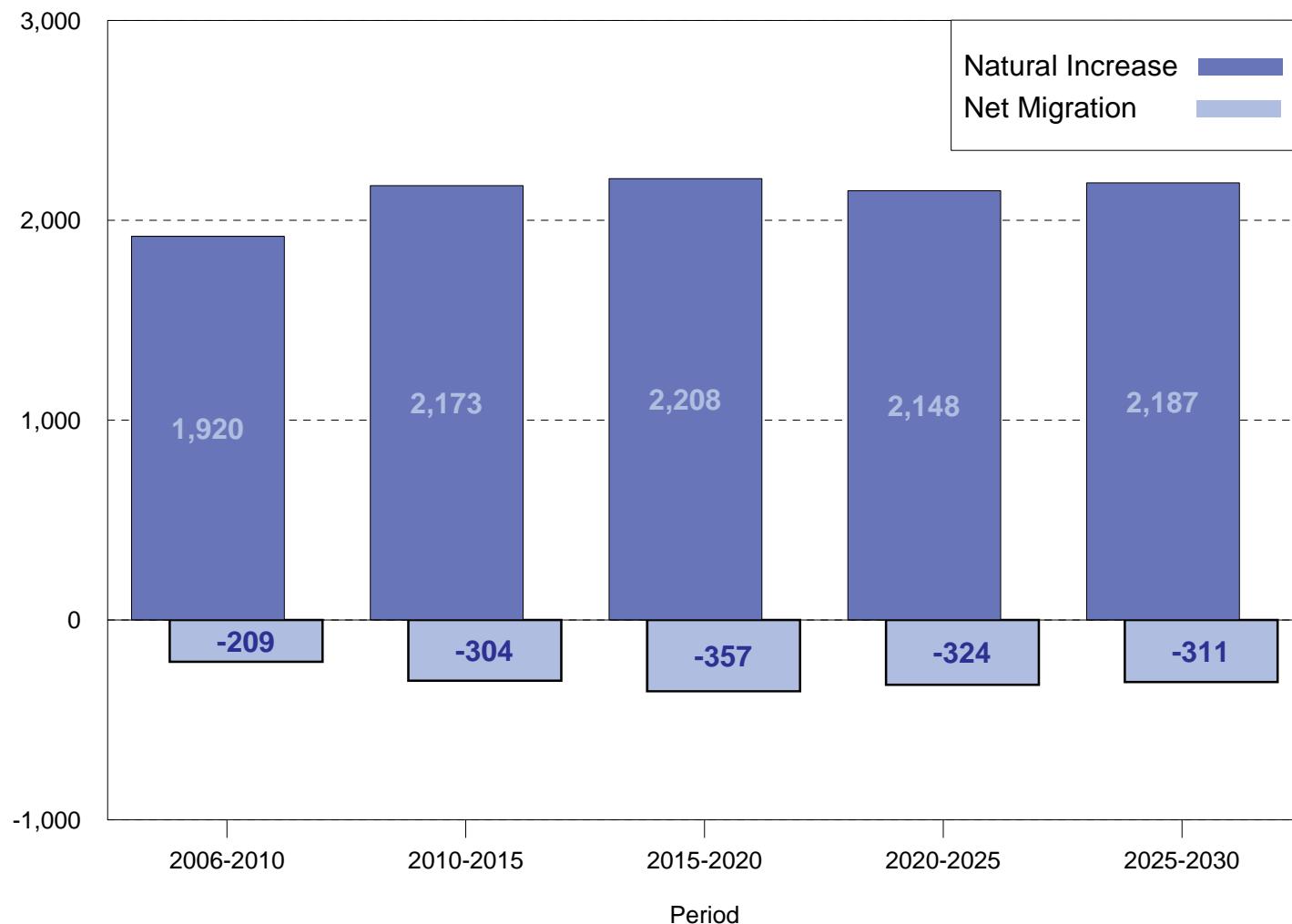
Sources: Alaska Department of Labor & Workforce Development, Research and Analysis Section
and U.S. Census Bureau

Projected Average Annual Components of Population Change Alaska Native Population, 2006-2030



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

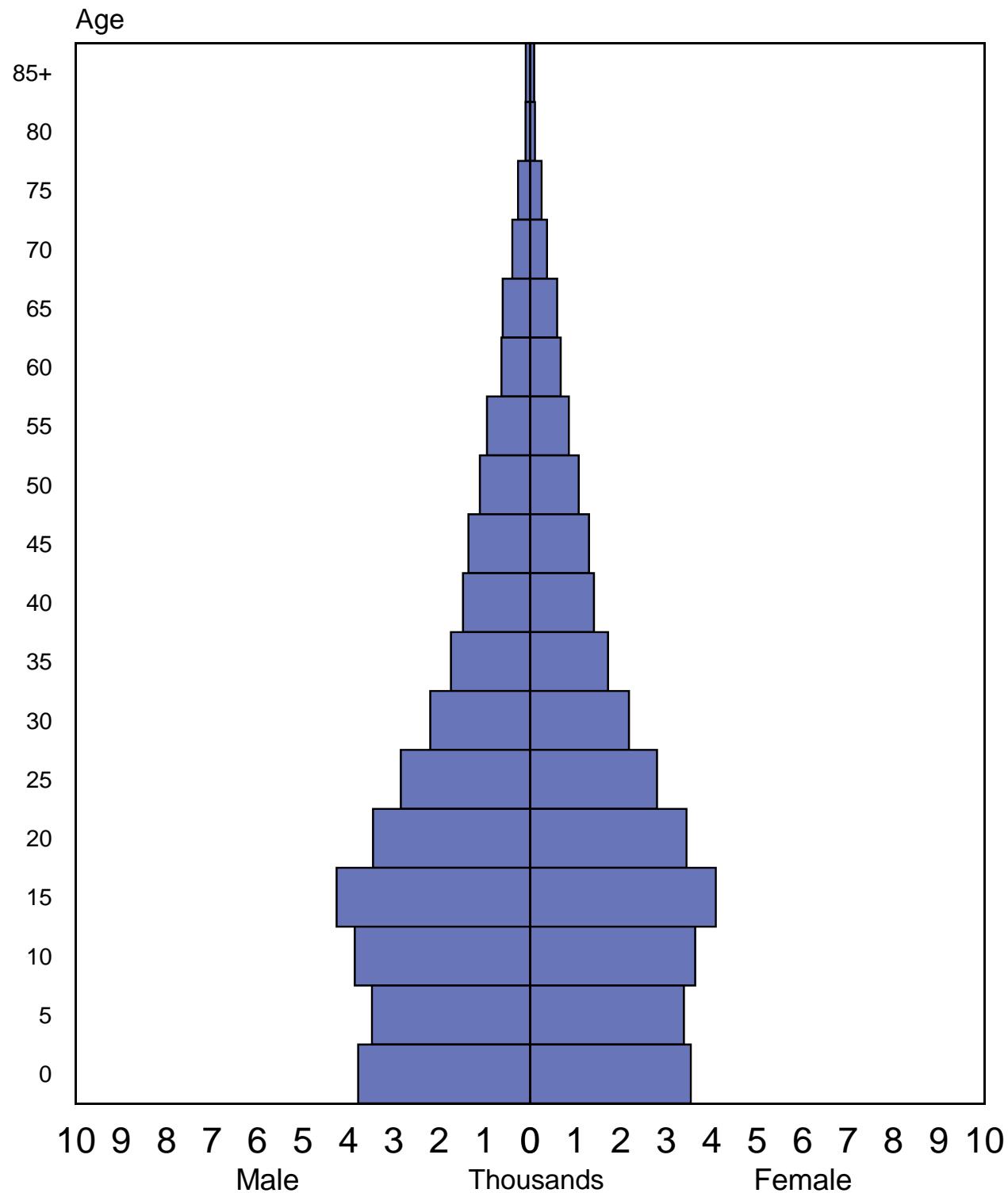
Projected Average Annual Natural Increase and Net Migration Alaska Native Population, 2006-2030



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

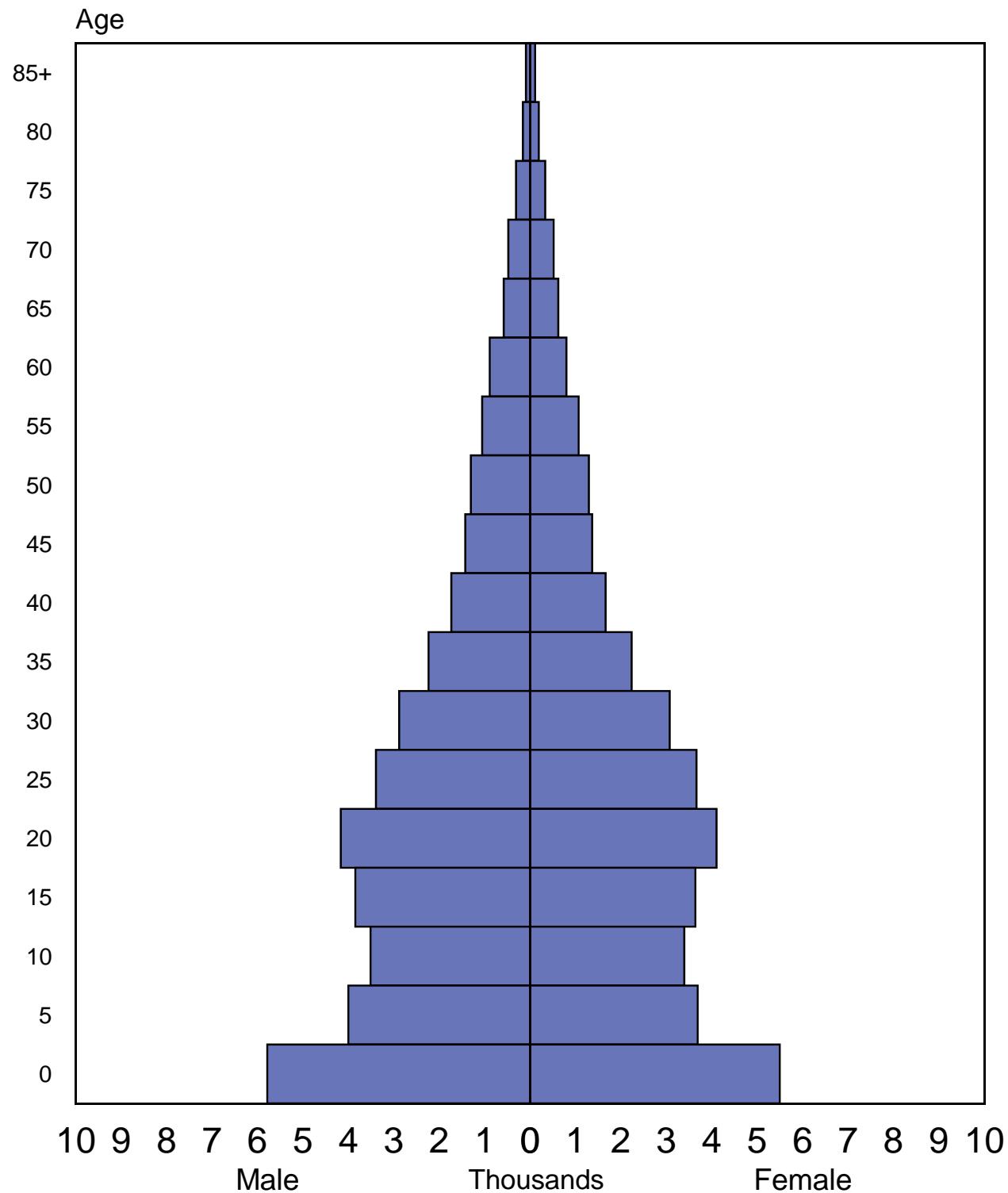
Population by Age

Estimated Alaska Native Population by Age and Sex, 1980



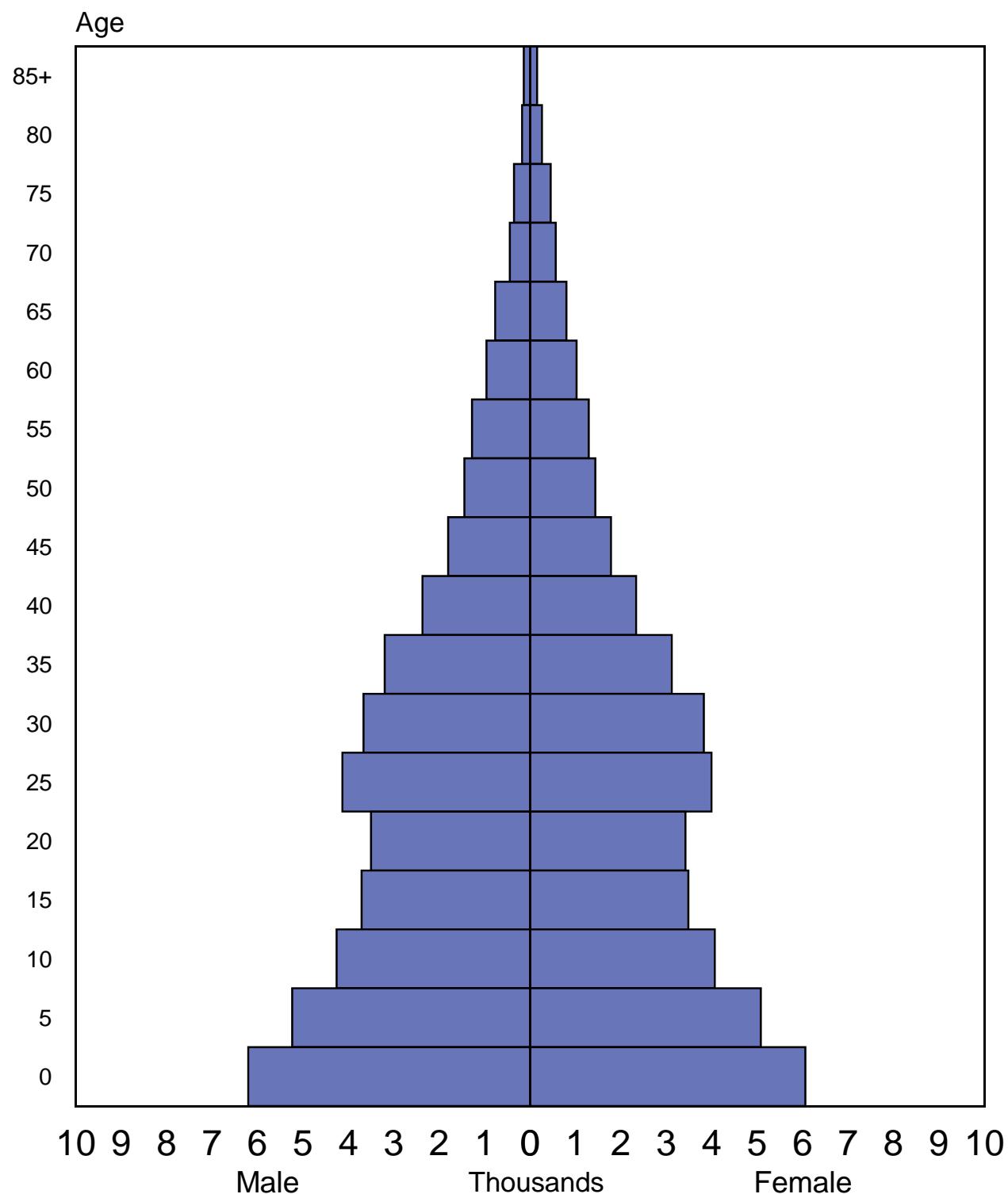
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Estimated Alaska Native Population by Age and Sex, 1985



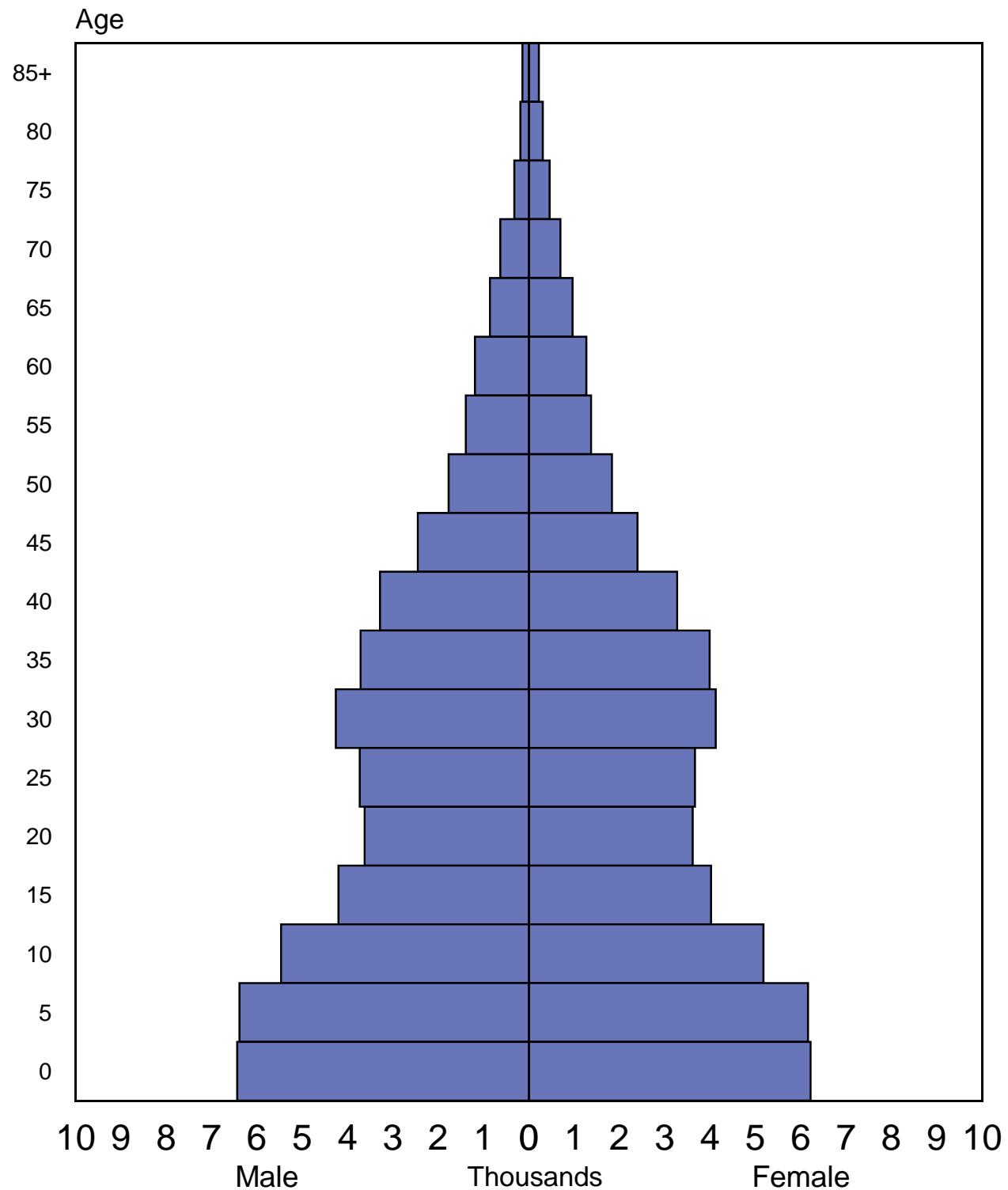
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Estimated Alaska Native Population by Age and Sex, 1990



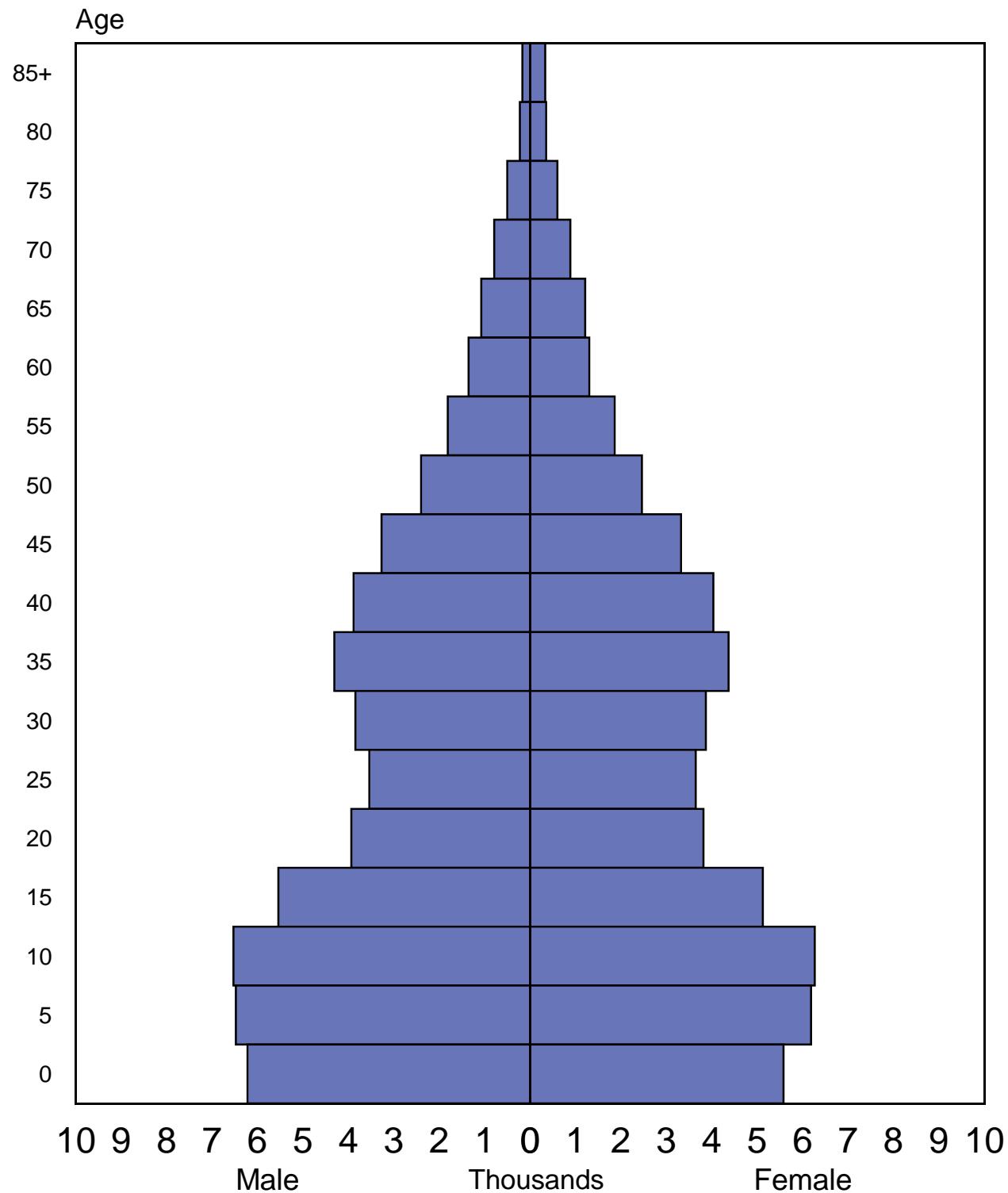
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Estimated Alaska Native Population by Age and Sex, 1995



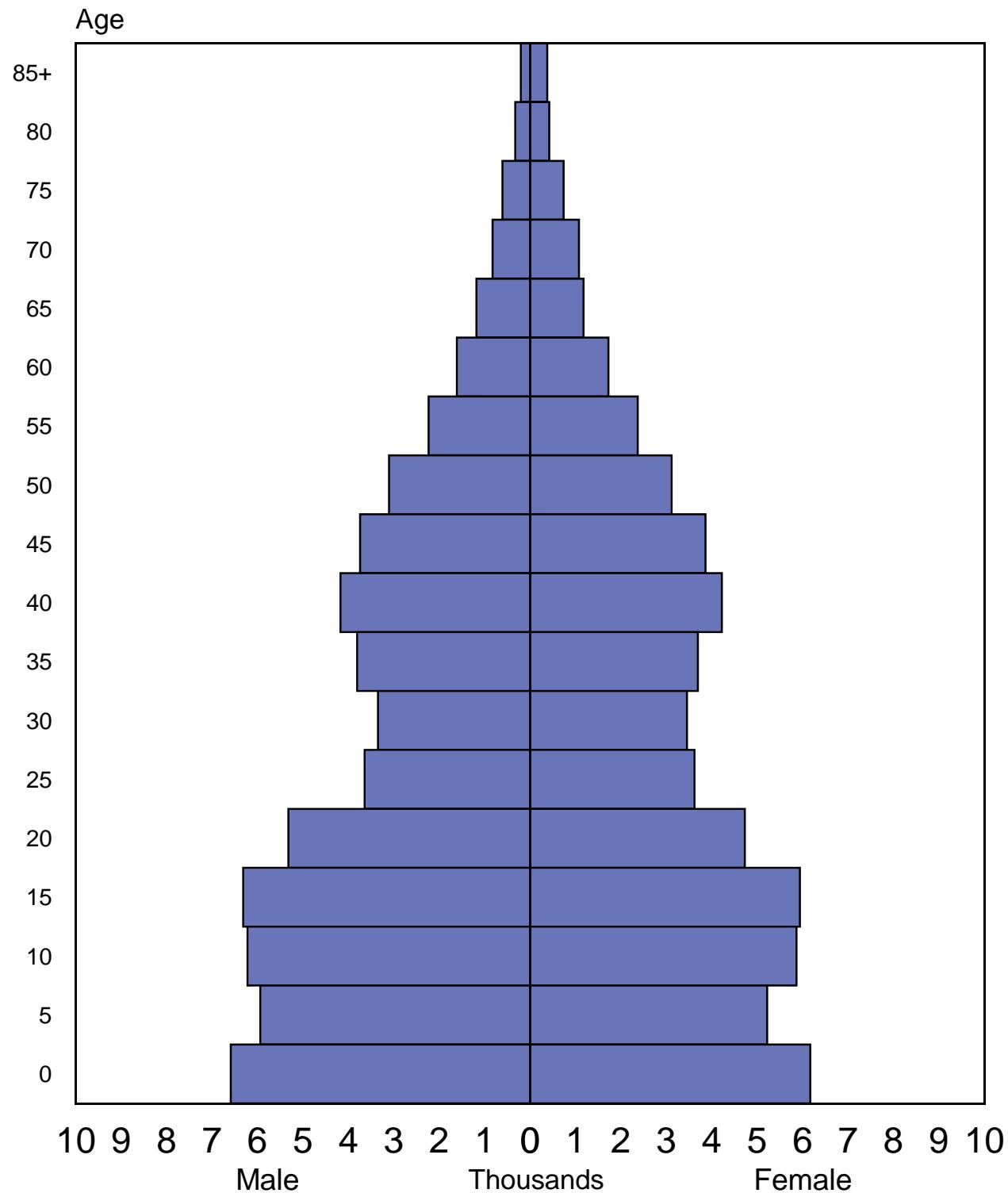
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Estimated Alaska Native Population by Age and Sex, 2000



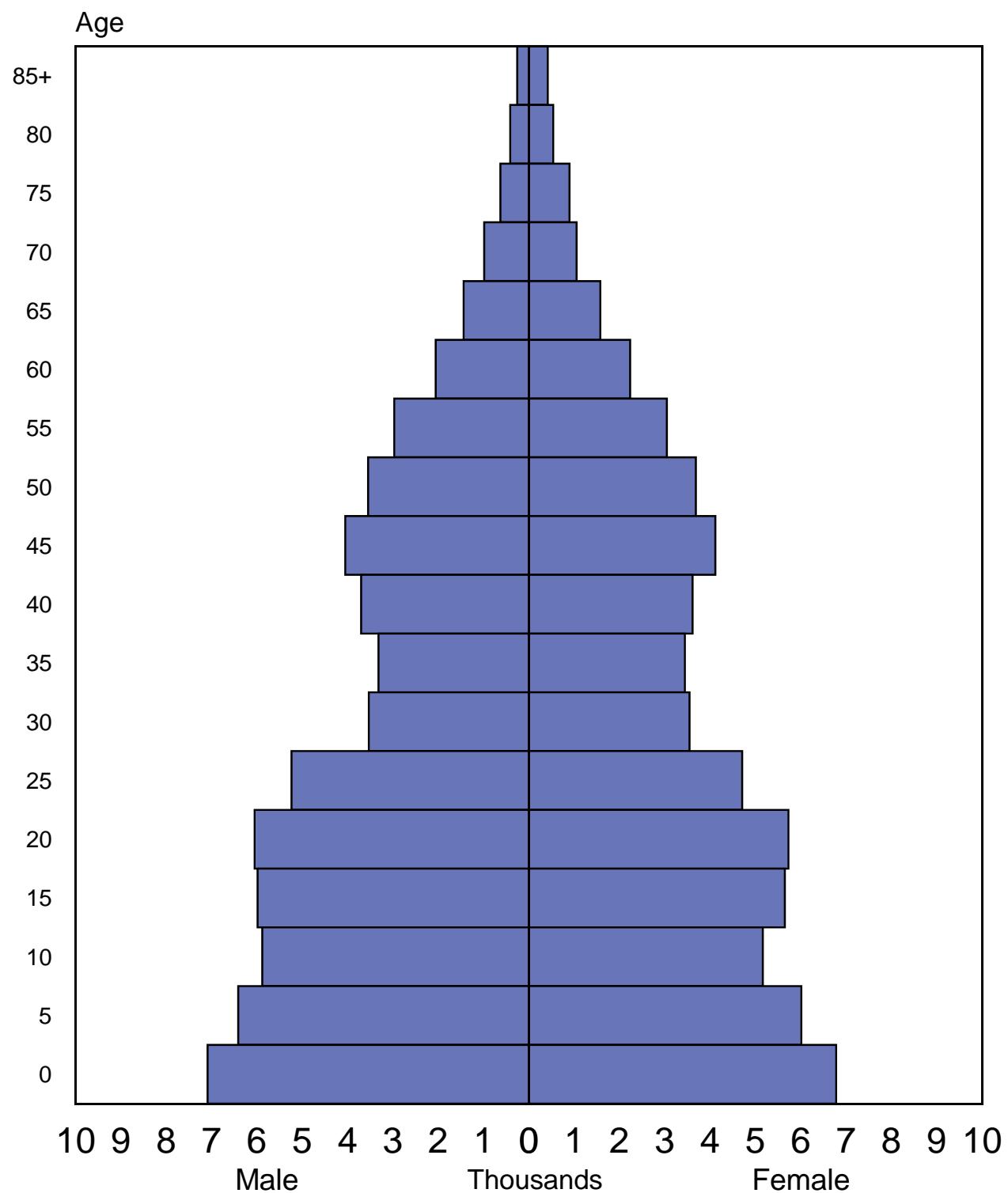
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Estimated Alaska Native Population by Age and Sex, 2005



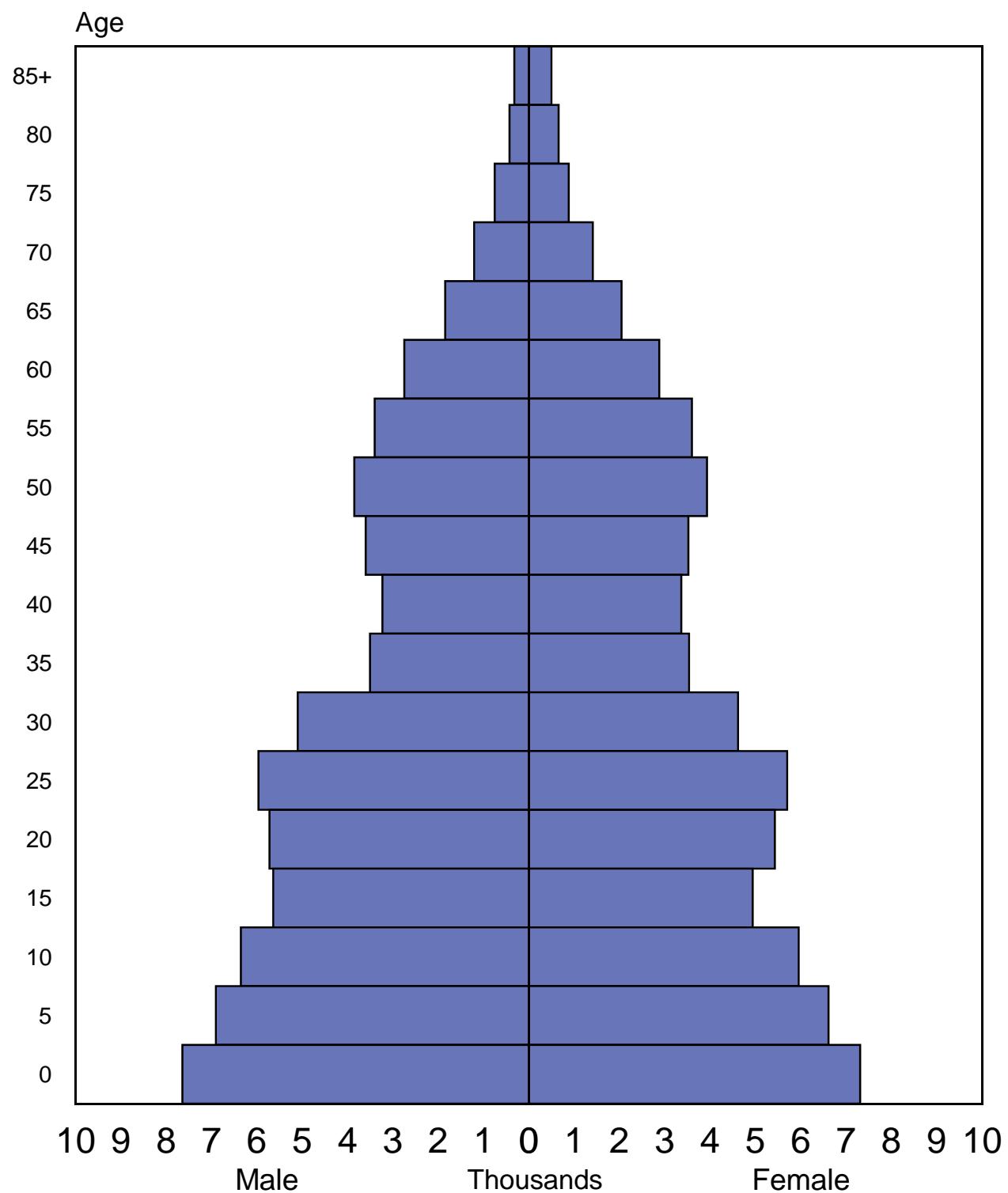
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Projected Alaska Native Population by Age and Sex, 2010



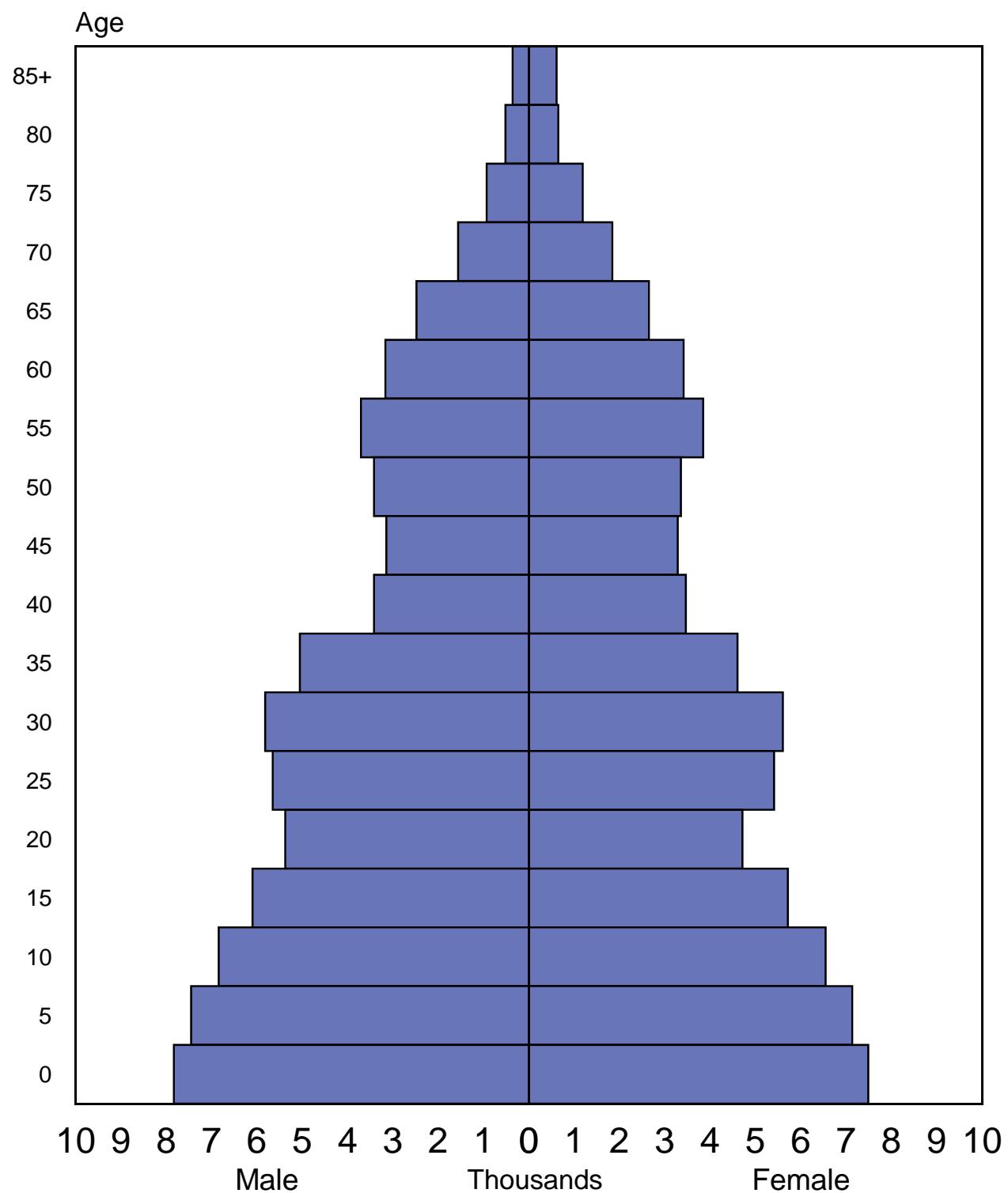
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Projected Alaska Native Population by Age and Sex, 2015



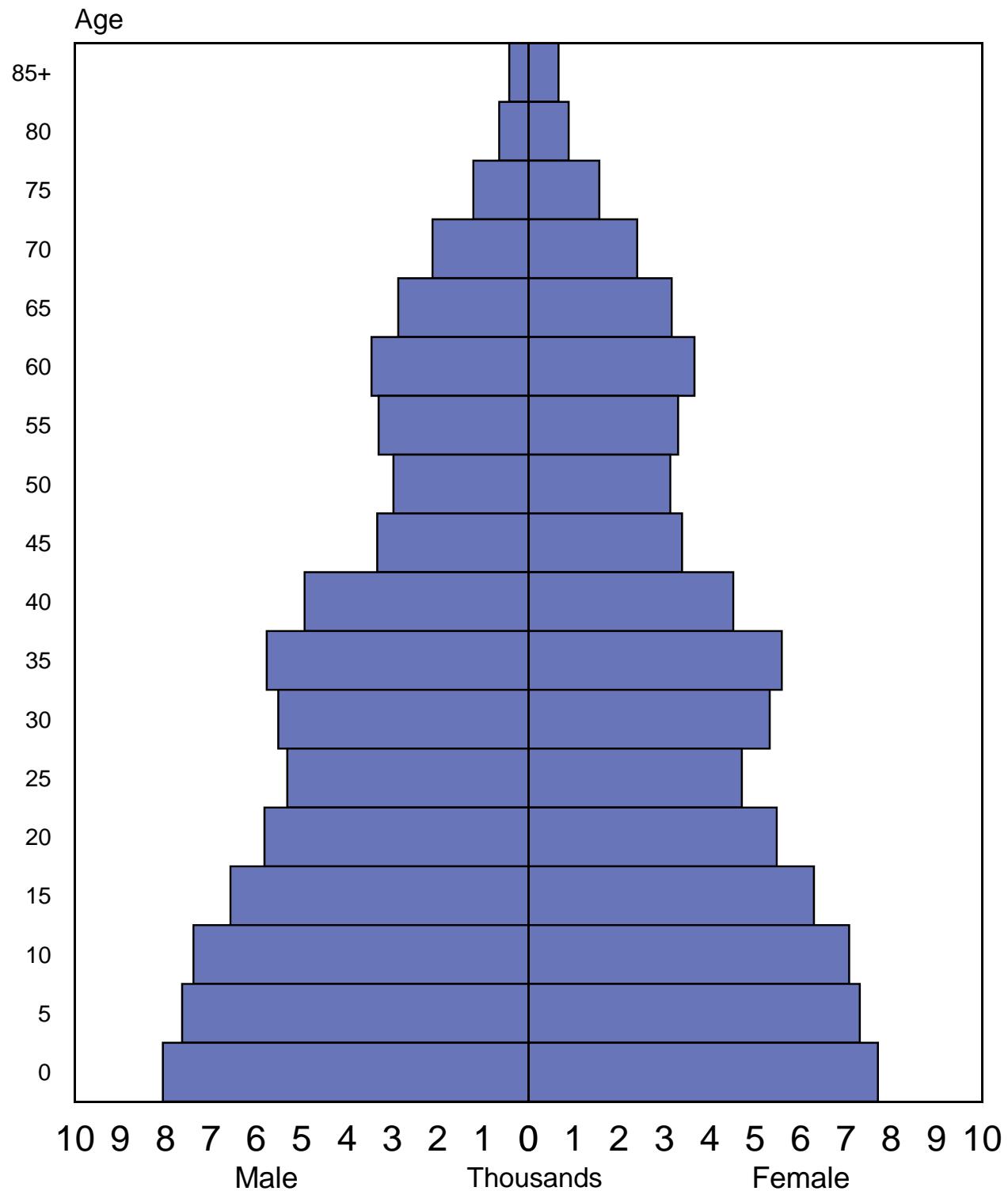
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Projected Alaska Native Population by Age and Sex, 2020



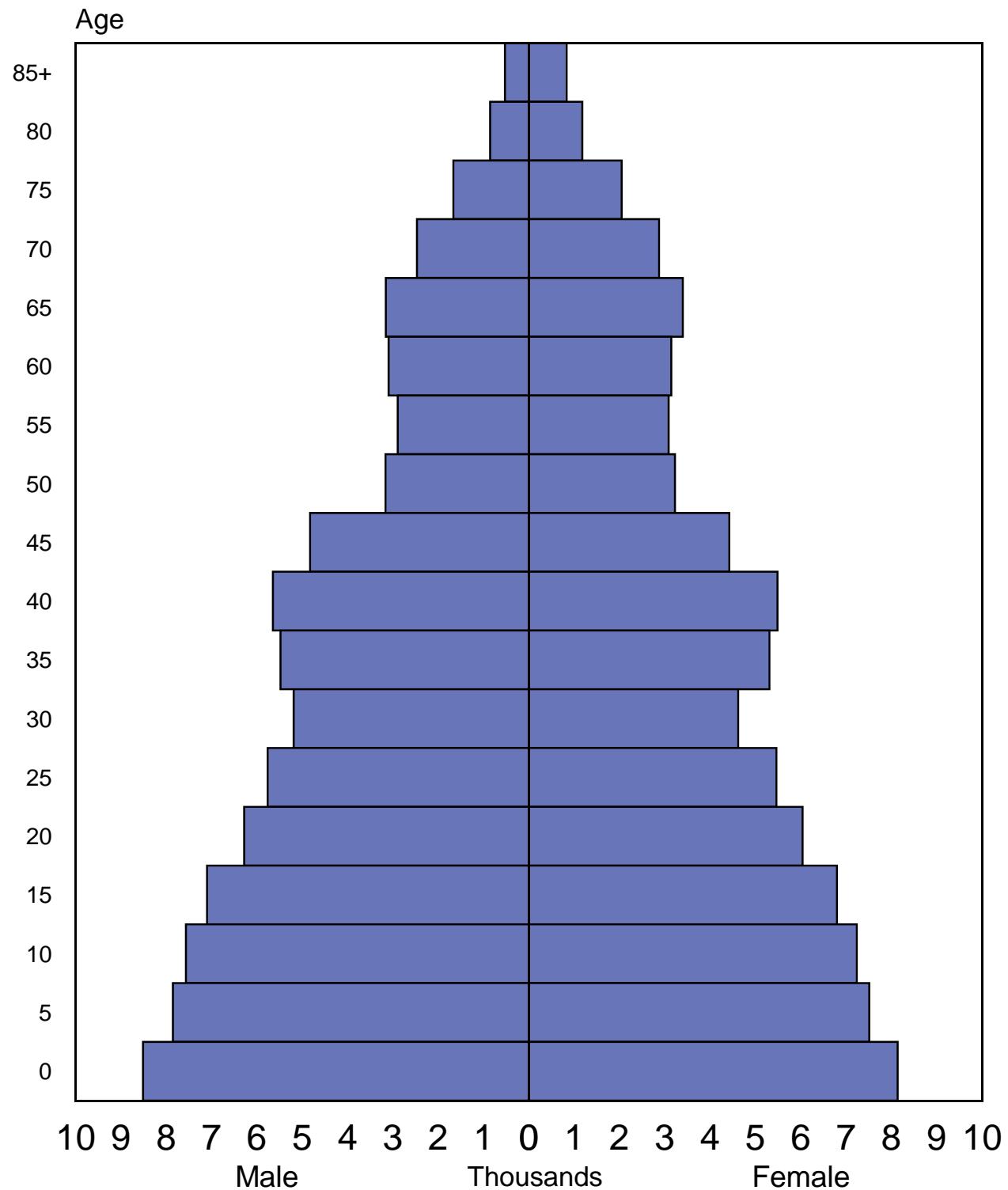
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Projected Alaska Native Population by Age and Sex, 2025



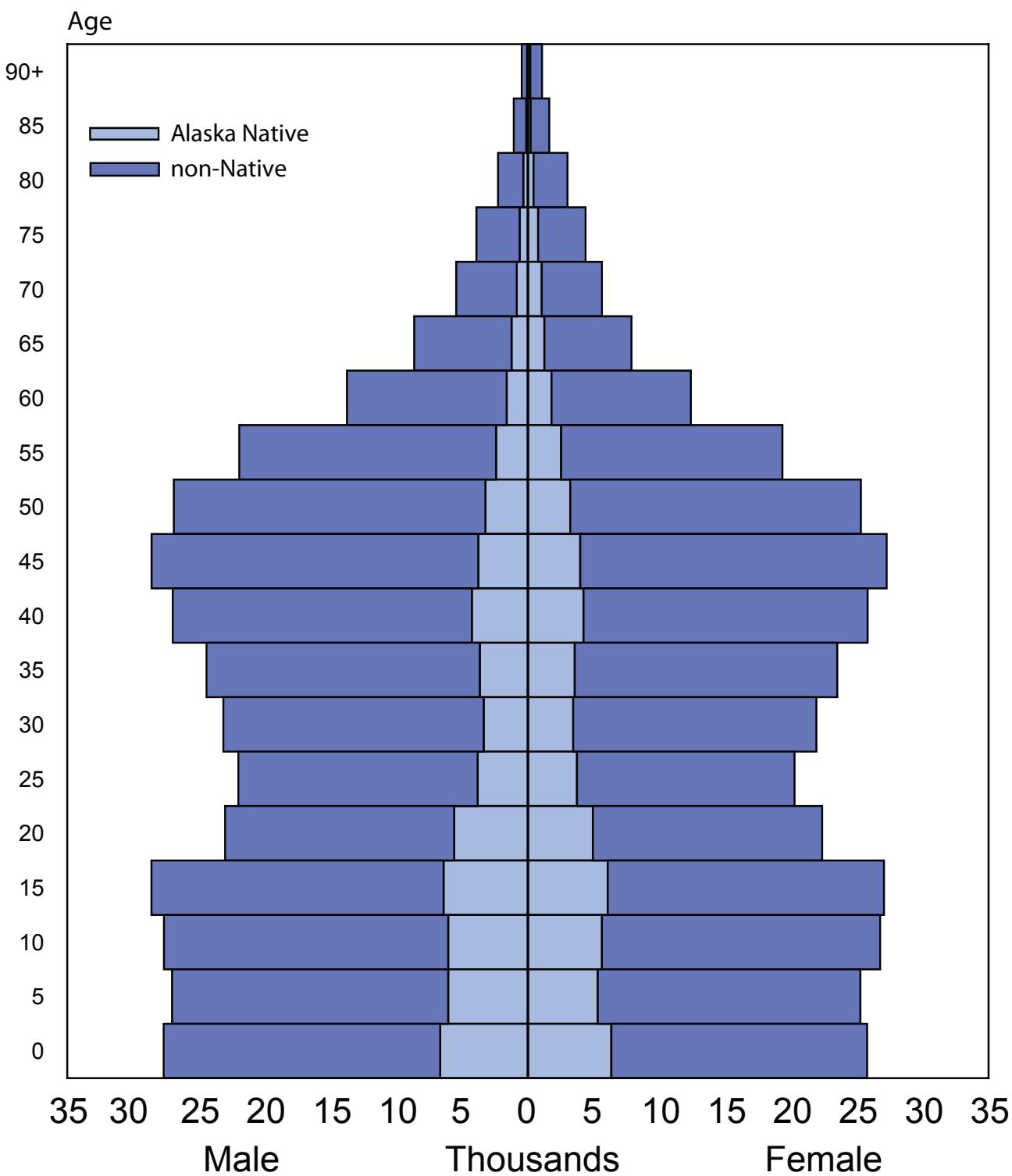
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

Projected Alaska Native Population by Age and Sex, 2030



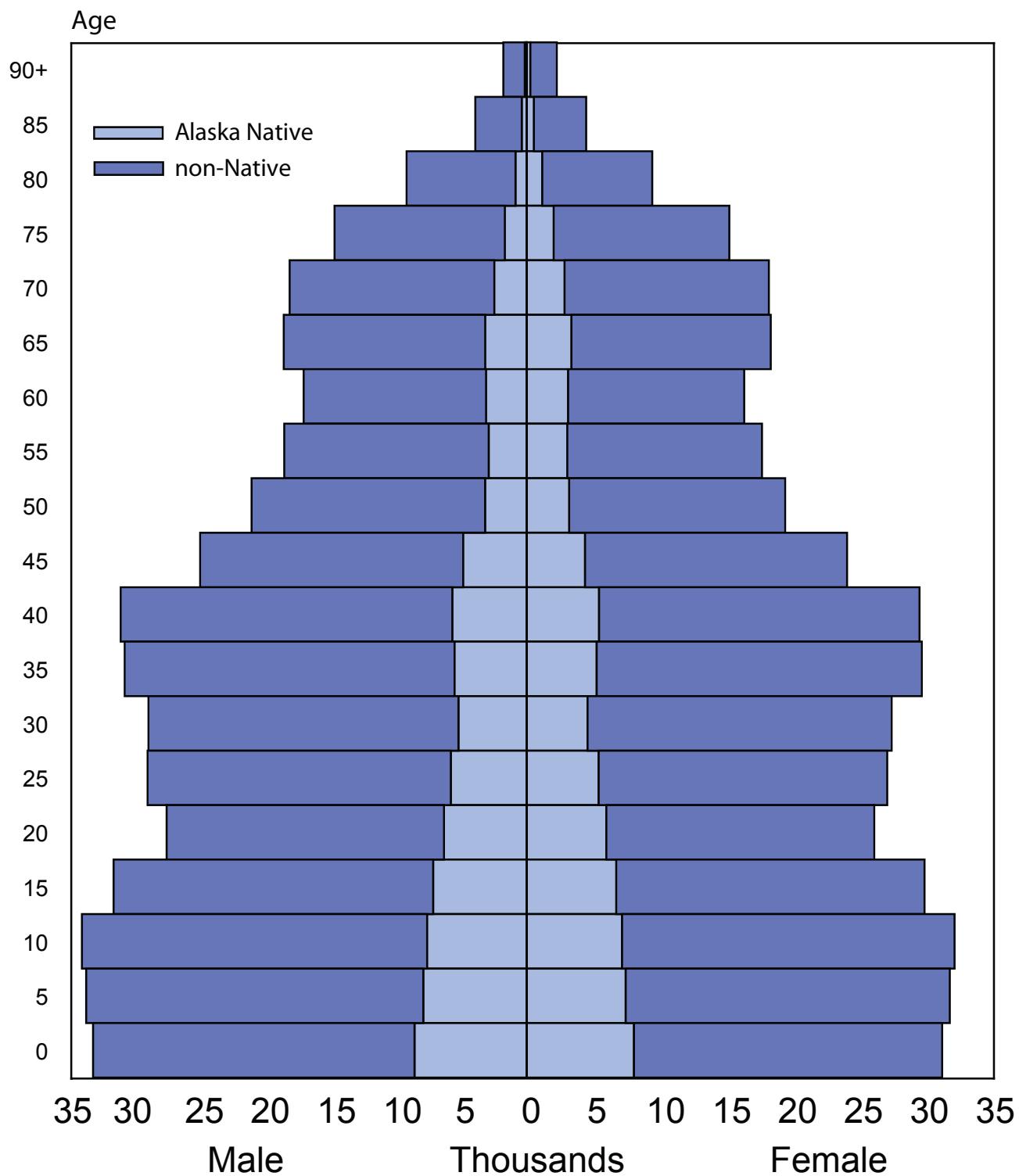
Source: Alaska Department of Labor & Workforce Development, Research and Analysis Section

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

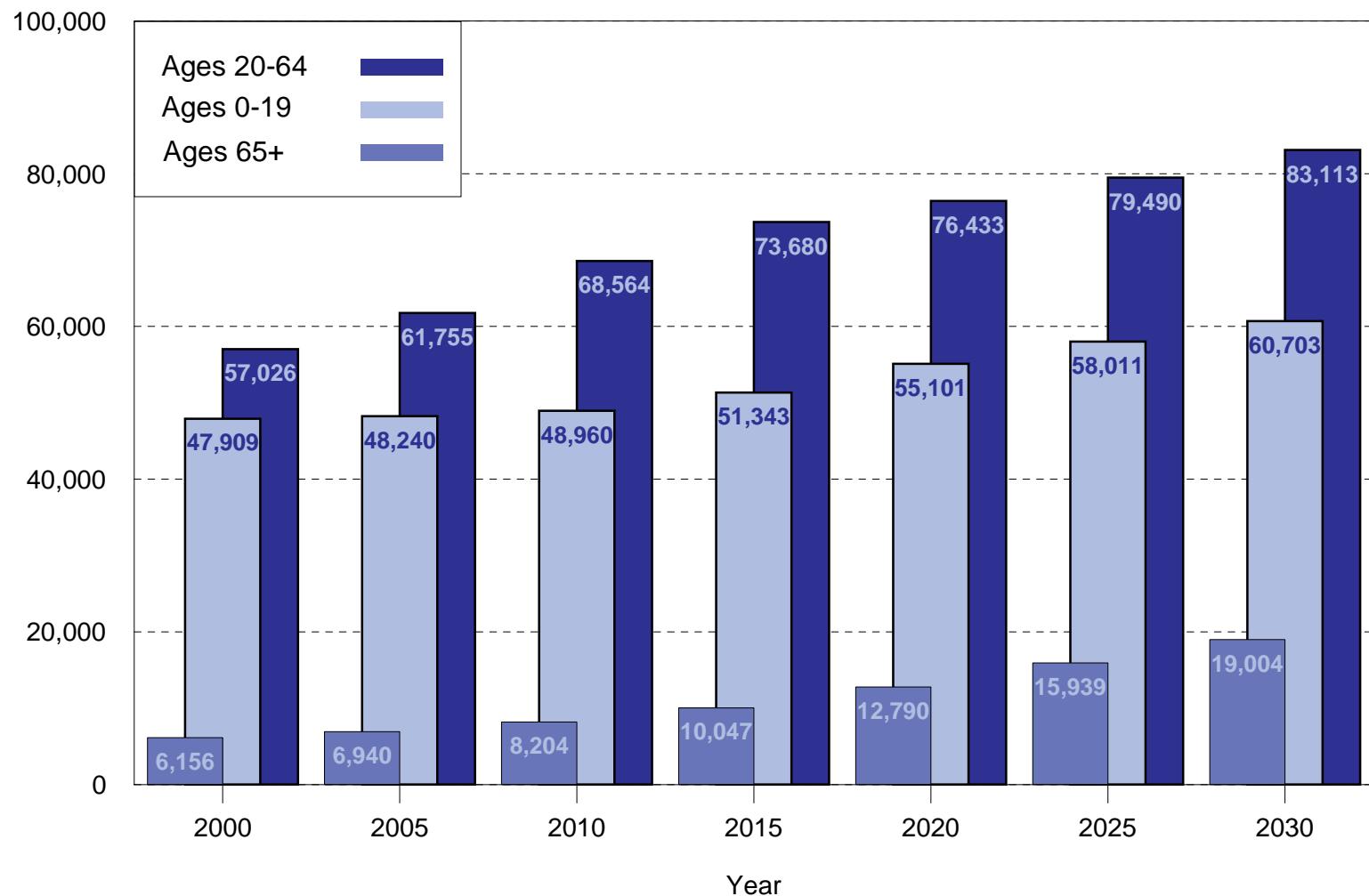
Alaska Native and non-Native Projected Population by Age and Sex, 2030



Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit

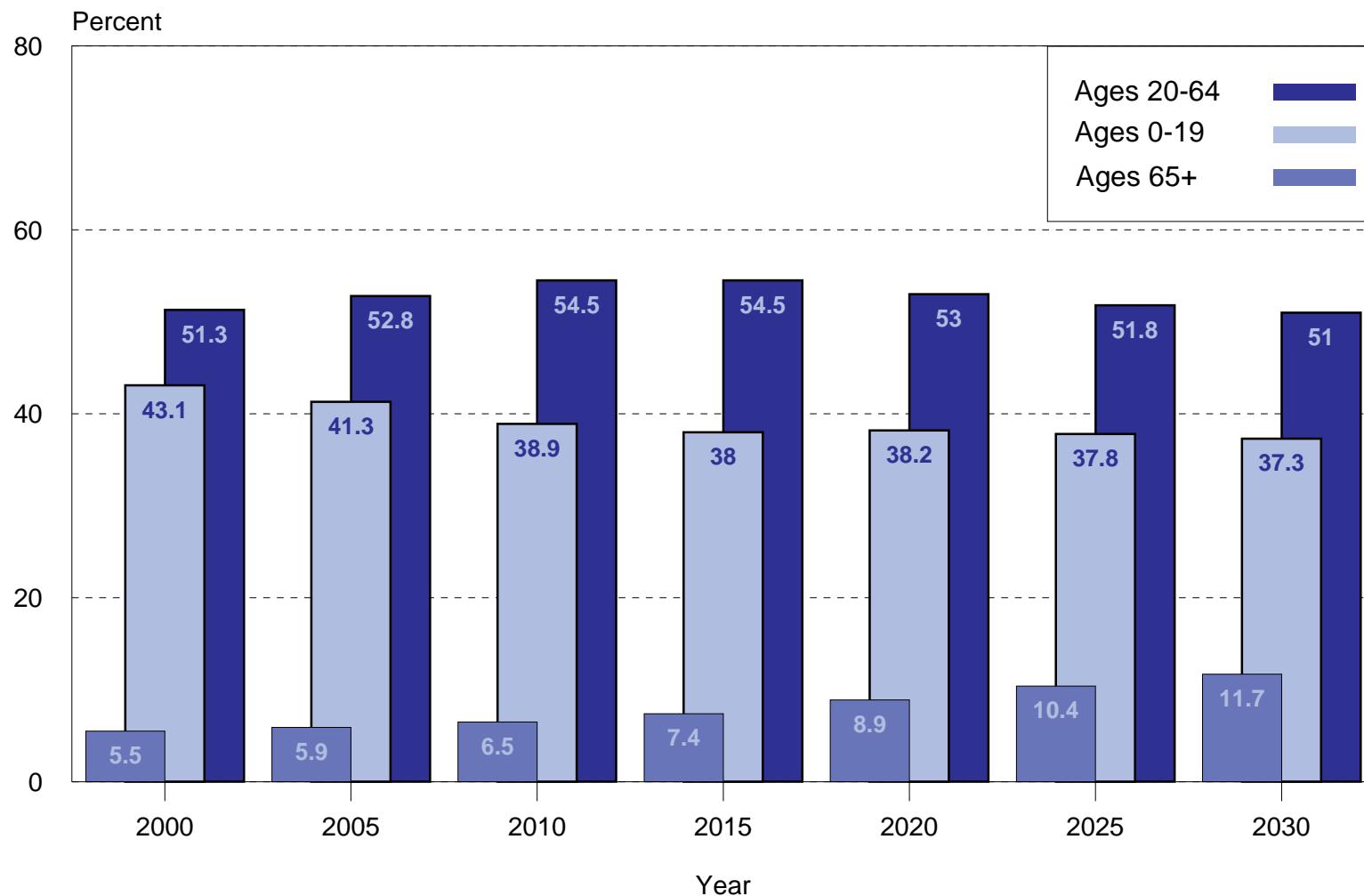
Alaska Native by Age Group

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.

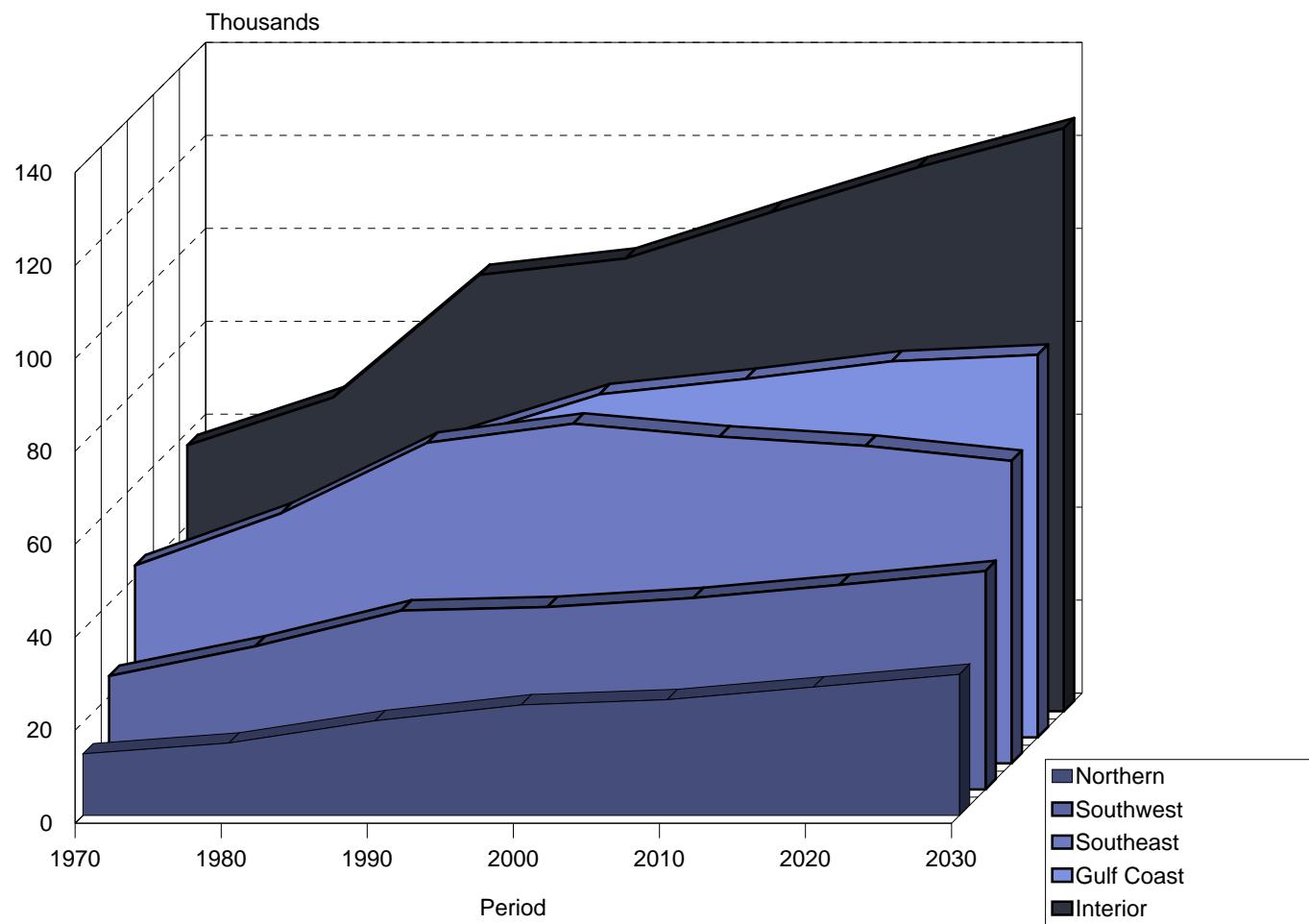
Roughly zero or negative in most other places, but age profile of migration matters a lot here.

Life Expectancy Across the State

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

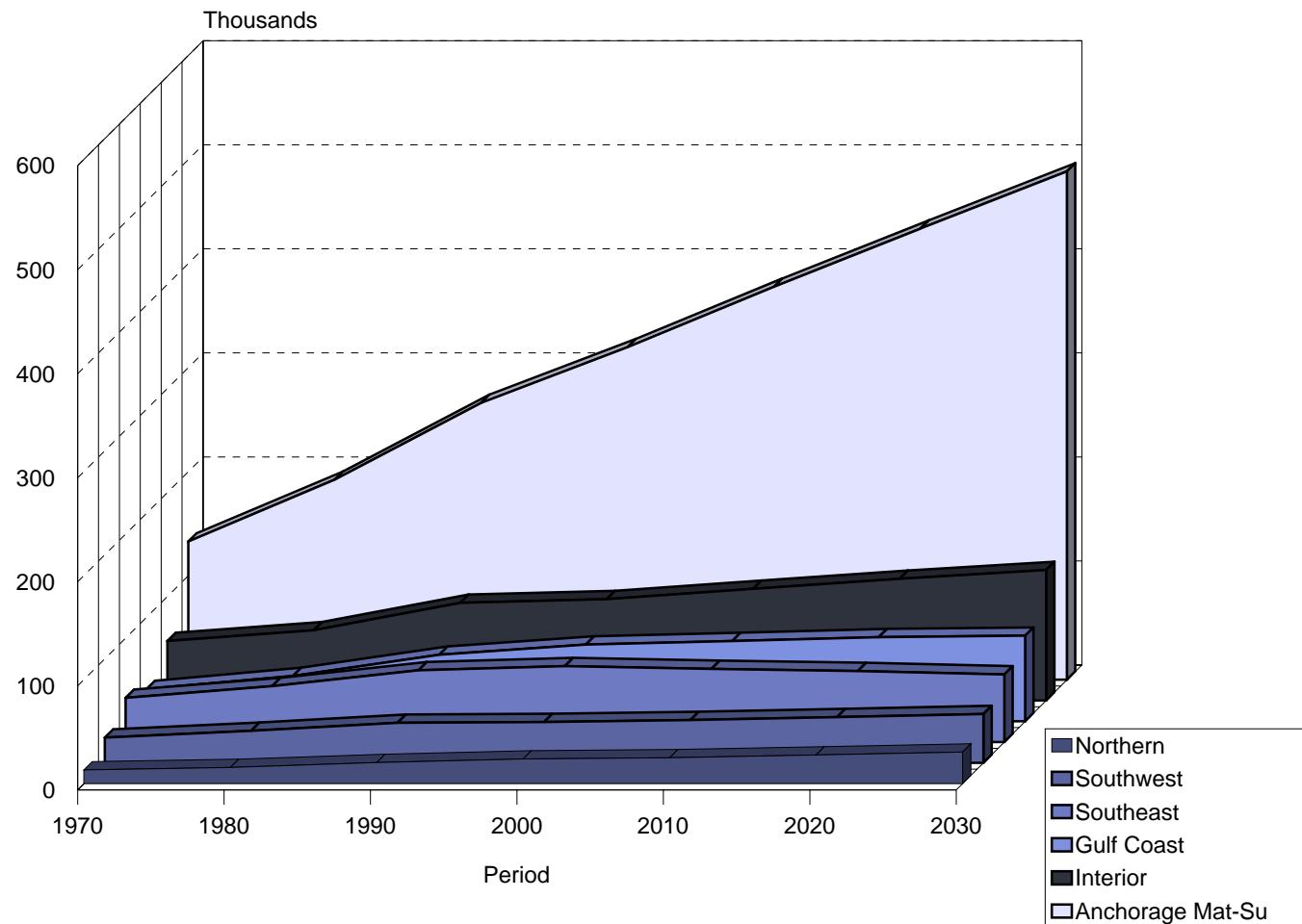
It was roughly estimated based on the proportion Alaska Native and non-Native in the borough.

Population, Alaska Economic Regions 1970-2000 Estimated, 2010-2030 Projected



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

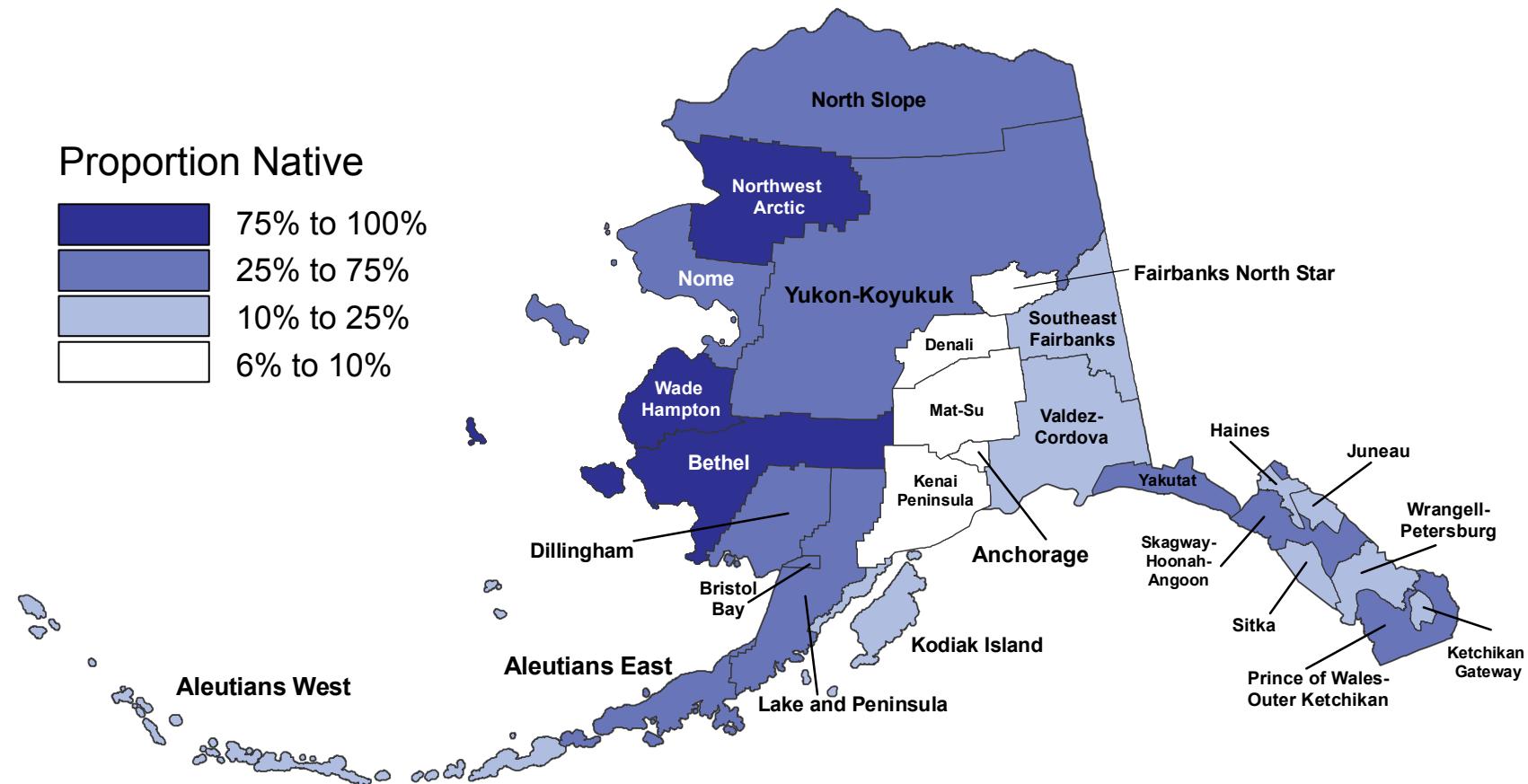
Population, Alaska Economic Regions 1970-2000 Estimated, 2010-2030 Projected



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

Native Population by Region

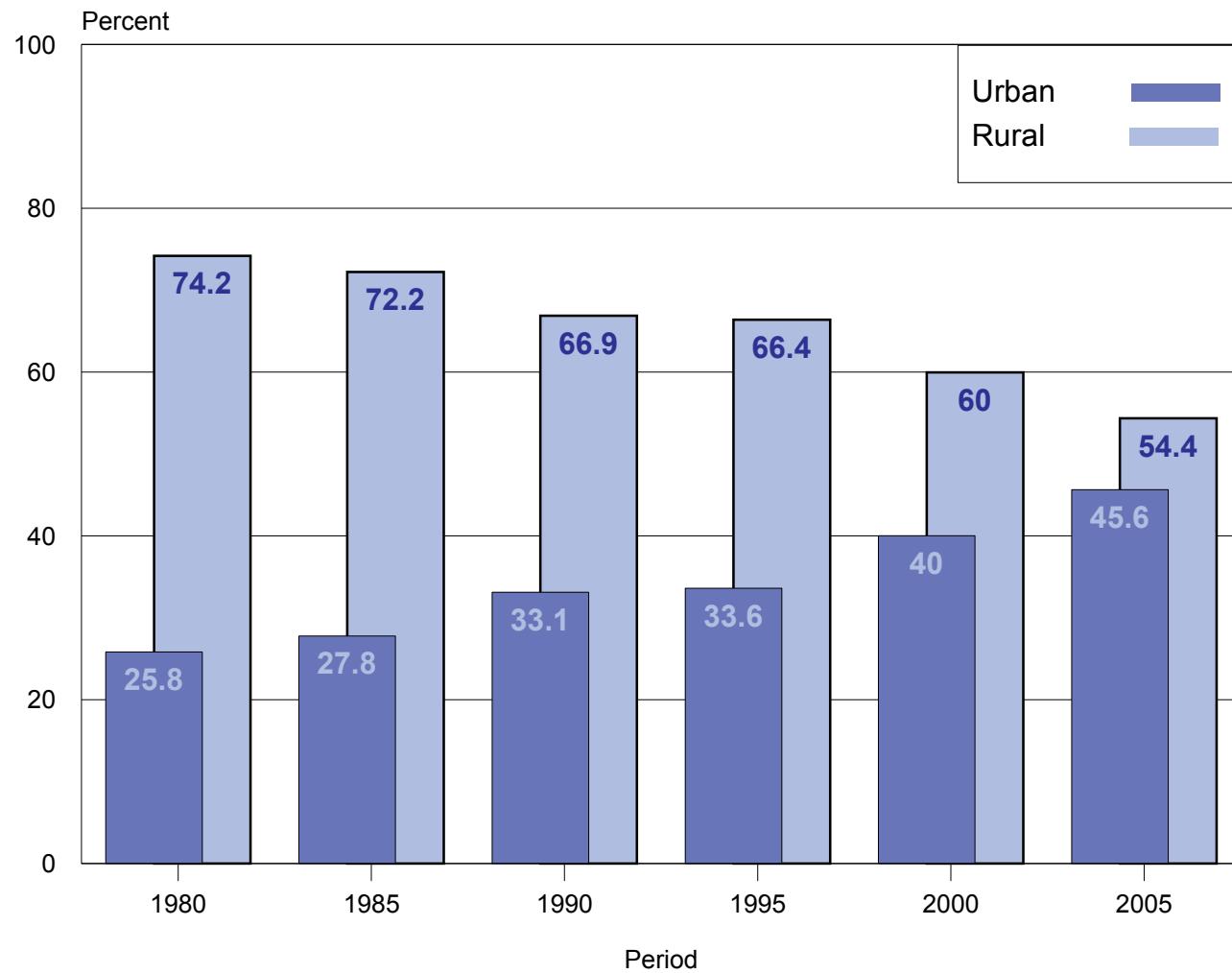
Proportion Alaska Native by Borough, 2006



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

