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Summary

The Anchorage Realizing Indigenous Student Excellence (ARISE) Partnership is a citywide, collective impact effort to realize the success of Alaska Native and American Indian (AN/AI) students throughout their lives, from cradle to community. This document serves as a reference manual for ARISE’s Kindergarten Preparedness Strategic Action Team (SAT) and compiles an assortment of data and maps intended to focus and stimulate discussion and critical thinking regarding Kindergarten preparedness for AN/AI children in Anchorage. The following summary describes some key results contained in this data reference manual.

Demographics of AN/AI Children Under Age 6

- The 2010 estimated population of AN/AI children under age 6 in Anchorage was 4,798. This estimate is the average based on three population sources: the U.S. 2010 Census (4,695), Alaska Department of Labor and Workforce Development (4,763), and Tribal Health System User Population (4,936).
- In 2014, there were an estimated 4,950 AN/AI children under age 6 in Anchorage, composing 16 percent of the total population of Anchorage children under age 6.
- Among children less than age 6, there are a higher proportion of males to females. For Anchorage AN/AI children, there are an average of 107.1 males for every 100 females.
- In Anchorage, the annual average rate of population growth for children under age 6 is -0.3 percent. For AN/AI children in this same age group, this figure is 1.0 percent.
- An estimated two-thirds of Anchorage AN/AI children aged 3 to 4 are eligible for public preschool.
- The largest populations of AN/AI children under age 6 live in two locations: south Anchorage (between Jewel Lake and Seward Highway, south of Raspberry and north of Klatt) and north Anchorage (on either side of the Glenn Highway, east of the Seward Highway and west of Boniface).

Early Care and Learning Providers

- Based upon a telephone survey of Anchorage parents in 2015, over two-thirds (68 percent) of AN/AI children under age 6 in Anchorage typically receive some form of early care and learning services.
- In north Anchorage, the region with a high concentration of AN/AI children under age 6, has a relatively high number of approved child care providers and a relative absence of licensed early care and learning centers. However, there are three Head Start locations in the area.
- There is one Head Start center near south Anchorage (between Jewel Lake and Seward Highway, south of Raspberry and north of Klatt).
- The capacity of Head Start and Early Head Start programs in Anchorage does not meet the demand for those children eligible for the programs.
Anchorage School District Preschool and Kindergarten

Kindergarten

- Kindergarten enrollment totals for all Anchorage students have remained level since the 2011-2012 school year. In the same period, Kindergarten enrollment of AN/AI students has decreased by over 100 students from 766 to 658.
- The largest AN/AI Kindergarten enrollment totals are at Alaska Native Cultural Charter School, Sand Lake Elementary School, Tyson Elementary School, Wonder Park Elementary School, North Star Elementary School, and Chinook Elementary School.
- In the 2013-2014 school year, 73 percent of AN/AI Kindergarten students were considered Economically Disadvantaged Students (EDS).

Preschool

- The percentage of AN/AI Preschool students of all Preschool students has decreased from 28.2 percent in the 2011-2012 school year to 17.3 percent in the 2014-2015 school year. While the total Preschool enrollment has increased from 475 to 717, AN/AI Preschool enrollment has decreased from 134 to 124.

Alaska Development Profile

- In the 2014-2015 school year, 34.9 percent of AN/AI Kindergarteners were considered prepared for Kindergarten at the start of the school year, a decrease from 39.6 percent in the 2010-2011 school year. For All Other Kindergarteners, this figure was 43.6 percent in 2014-2015, down from 52.4 percent in 2010-2011.
- More female AN/AI students (39.2 percent) were deemed Kindergarten-ready in 2014 than male AN/AI students (30.4 percent). This pattern is also seen in past years.
- During the 2010-2011 to 2013-2014 school years, the percent of AN/AI non-EDS Kindergarten-ready students was consistently higher than the percent of AN/AI EDS Kindergarten-ready students. In 2013-2014, 49.2 percent of AN/AI non-EDS Kindergarten students were Kindergarten-ready, compared to 32.4 percent of AN/AI EDS Kindergarten students.
Introduction and Purpose

Introduction

The Anchorage Realizing Indigenous Student Excellence (ARISE) Partnership is a citywide, collective impact effort to realize the success of Alaska Native and American Indian (AN/AI) students throughout their lives, from cradle to community. Partnership leaders identified several community level outcomes to measure these efforts. They selected and prioritized Kindergarten Preparedness as the first outcome to address as a Partnership. This report is intended to inform the Kindergarten Preparedness Strategic Action Team (SAT) in preparation of its strategy and planning sessions to address this outcome.

Purpose

This document serves as a reference manual for the Kindergarten Preparedness SAT. The document compiles an assortment of data and maps intended to focus and stimulate discussion and critical thinking regarding Kindergarten preparedness for AN/AI children. The data and maps include information on demographics, early care and learning providers, and preschool and Kindergarten within the Anchorage School District (ASD), as well as a compilation of the results from the ARISE Data Committee’s review of child development under age 6.

This document serves to stimulate discussions and provide a starting place for new ideas and plans of action. Once the seeds of these ideas are initiated, it is intended that the SAT will cultivate them within the context of its members’ broader knowledge and understanding of the AN/AI community. This will facilitate the transition from ideas and plans to decision-making and action.

Report Structure

The report begins by establishing a context in which to view data presented later in the report. Previous work by the ARISE Data Committee on Kindergarten preparedness is summarized. Additionally, factors contributing to child development are presented and the attributes contributing to Kindergarten preparedness are defined.

Next, the report details Anchorage’s population of children under age 6 with a focus on AN/AI children. Demographic data are conveyed through tables of data, maps, and narrative. Social factors, such as the percent of children living in single parent homes, are presented.

The third section of the report defines the types of early care and learning services available in Anchorage and demonstrates how they are distributed throughout the Municipality of Anchorage. Maps allow for a comparison of the location of early care and learning providers relative to the population of AN/AI children less than age 6.

Finally, results from the ASD’s Alaska Developmental Profile (ADP) on Kindergarten Readiness are presented. For comparison, ADP results are viewed for AN/AI students, All Other students, and by gender.
Definitions and Methodology

Definitions

ALASKA NATIVE/AMERICAN INDIAN (AN/AI) – Unless otherwise noted, Alaska Native/American Indian refers to Alaska Native and/or American Indian alone or in any combination with other races/ethnicities.

ALL OTHER – All Other refers to any race/ethnicity or any combination of races/ethnicities that does not include Alaska Native and/or American Indian people.

CHILD CARE – Any care of children by anyone other than the child’s parent or guardian at any time of the day.

ECONOMICALLY DISADVANTAGED STUDENTS (EDS) – The Anchorage School District definition for years prior to and including the 2013-2014 school year includes students eligible to participate in the free and reduced lunch program, as determined by income and other factors determined by the federal government, participation in Alaska’s Temporary Assistance Program, attendance in a Provision 3 school, migrant status, and have a sibling already receiving free or reduced lunch.

ENROLLMENT – Enrollment in Anchorage School District schools is drawn from the enrollment total on October 1 of each school year.

KINDERGARTEN PREPAREDNESS – This term is used to refer to any efforts, programs, or activities for children from birth through age five that may prepare them to enter the first year of elementary school.

KINDERGARTEN READY/INESS – A term used to describe a student who scores 20+ on the Alaska Developmental Profile in Kindergarten.

PROVISION 3 SCHOOLS – A provision under the National School Lunch of School Breakfast programs allowing all students at a school to eat for free once the school obtains this designation.

USER POPULATION – A person who has used any Tribal Health Services/Indian Health Service facility at least once in the previous three years.

Methodology

DEMOGRAPHIC DATA – The demographic data was compiled from multiple sources, including the U.S. Census, the Alaska Department of Labor and Workforce Development, and the Indian Health Service National Data Warehouse.

EARLY CARE AND LEARNING PROVIDERS – The Alaska Department of Health and Social Services Child Care Program provided information on the early care and learning providers within the Municipality of Anchorage.

SCHOOL DATA – ASD provided preschool and Kindergarten enrollment as well ADP results.

MAPPING – For mapping, data was divided by Census Tract or school zoning boundary. The method for each map is indicated in its title. U.S. Census data was drawn from the 2010 Summary File 2. This is the most recent census data with the race/ethnicity group “American Indian and Alaska Native alone or in combination with one or more other races” that is accurate at the Census Tract level. Census Tract boundary files are from the U.S. TIGER/Line® Shapefile database. School boundary zones were provided by ASD.
Kindergarten Preparedness Explained

The purpose of this section is to provide key concepts important to Kindergarten Preparedness to help frame a discussion around the topic and its associated data.

Key Topics Related to Kindergarten Preparedness

The ARISE Partnership’s Data Committee developed a diagram of key factors impacting Kindergarten Preparedness that should frame a discussion about Kindergarten Preparedness. The Data Committee considered these key factors to a child’s development. The following diagram summarizes the key topics brainstormed as related to Kindergarten Preparedness.

The numbered list below corresponds to the numbered boxes in the above diagram and includes additional topics within each heading.

1. **Connections to Culture**: Subsistence, Migration, Connections to Heritage, Access to Extended Family

2. **Prenatal History**: Fetal Alcohol Spectrum Disorders

3. **Socioeconomic Factors**: Parent’s Marital Status, Parent’s Education Level, Parent’s Employment Status, Parent’s Age, Socioeconomic Status

4. **Access to Quality Early Childcare & Learning**

5. **General Health Status**

6. **ACES**

7. **Literacy**

8. **Transportation**

9. **Social Emotional Wellness Skills**

10. **Housing**

11. **Assets/Protective Factors**
5. **Adverse Childhood Experiences**: Substance Abuse in Home, Death in Family, Neglect, Domestic Violence, Parent in Jail

6. **Literacy**: Access to Books, Someone to Read to Child, Parent’s Literacy

7. **Transportation**

8. **Social Emotional Wellness Skills**

9. **Housing**: Moves, Transience, Homelessness

10. **Assets/Protective Factors**

### Prioritization of Key Factors

The Data Committee prioritized the previous list into four different categories:

- **Community-Level Outcomes (Red Triangle)**: For the purposes of this prioritization process, this is the Kindergarten Preparedness Outcome: *Alaska Native students will be prepared for Kindergarten.*

- **Contributing Indicators (Green Triangle)**: Key factors directly associated with improving Kindergarten Preparedness.

- **Monitoring Indicators (Blue Triangle)**: Measures ARISE is not initially focusing on, but need to be monitored as they impact Kindergarten Preparedness and might eventually become a focus of ARISE.

- **Contextual Indicators (Purple Triangle)**: Measures larger than ARISE’s scope but that need to be monitored as they influence the ARISE Partnership Community-Level Outcome of Kindergarten Preparedness.
The Data Committee prioritized the following key factors as contributing to Kindergarten Preparedness in no particular order within the group:

**Contributing Indicators**
- Access to Quality Early Care and Learning
- Social Emotional Wellness Skills
- Connection to Culture
- Academics

**Monitored Indicators**
- General Health Status
- Assets, Protective Factors, Adverse Childhood Experiences (ACEs)

**Contextual Indicators**
- Prenatal History
- Socioeconomic Factors
- Transportation
- Housing
What Does an Alaska Native Kindergarten-Ready Child Look Like?

In addition to this process, the Data Committee also discussed characteristics of an AN/AI Kindergarten-ready child. Kim Burnett, formally of Cook Inlet Native Head Start, developed the following diagram to frame and capture this discussion.
Population & Demographics

This section describes the Anchorage AN/AI youth population from various data sources, and displays the information in tables and maps. Throughout this report, AN/AI people are counted in combination with any other race unless otherwise noted.

How many AN/AI children under age 6 live in Anchorage?

Population estimates vary by source. In an attempt to reconcile these differences, population estimates for AN/AI Anchorage residents are presented from three different sources for 2010: the U.S. Census, Alaska Department of Labor (AKDOL) Population Estimates, and Tribal Health System User Population. On a whole, these numbers do not vary widely for AN/AI people in any combination with other races. The comparison shows the highest population counts come from Tribal Health System User Population and the lowest population counts come from the U.S. 2010 Census. For counts of children under age 6, these two sources differ by 241 children. When all three sources are averaged, there were approximately 4,798 AN/AI children less than age 6 in Anchorage in 2010.

Table 1. Summary of Anchorage AN/AI Population Estimates, by Source, 2010

<table>
<thead>
<tr>
<th>Data Source</th>
<th>AN/AI Children &lt; Age 6</th>
<th>Total AN/AI Population (All Ages)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Census AN/AI Only</td>
<td>1,195</td>
<td>23,130</td>
</tr>
<tr>
<td>ADOLWD Estimates AN/AI Only*</td>
<td>2,318</td>
<td>23,875</td>
</tr>
<tr>
<td>U.S. Census AN/AI in Any Combination</td>
<td>4,695</td>
<td>36,062</td>
</tr>
<tr>
<td>ADOLWD AN/AI in Any Combination Estimates*</td>
<td>4,763</td>
<td>36,867</td>
</tr>
<tr>
<td>Tribal Health System User Population Estimates*</td>
<td>4,936</td>
<td>38,287</td>
</tr>
</tbody>
</table>

Source: 2010 U.S. Census, Alaska Department of Labor and Workforce Development, Indian Health Service National Data Warehouse.
Note: The 2010 Census and Alaska Department of Labor and Workforce Development are based upon calendar years, while the Indian Health Service User Counts are based upon a federal fiscal year – October 1 through September 30.
*The source defines the relevant age categories as <1, 1-4, 5-9. To estimate the number of children under the age of 6, the total for the 5-9 category was divided by five (the number of ages in the category) and this number was summed with the totals of the first two categories.

Detailed Demographic Information

U.S. Census Data

For all children under age 6, the total Anchorage population was 26,058, of which the AN/AI population in any combination was 4,695, or 18 percent of the city’s total.

The following tables (next page) break out the population counts for AN/AI children and all children under age 6 in Anchorage. For AN/AI children, males outnumbered females at all ages except those under one year. For all children under age 6, males outnumbered females at all ages.
Table 2. Population of AN/Al Children < Age 6, by Gender, Anchorage, 2010

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Total</th>
<th>Male</th>
<th>Female</th>
<th>Males per 100 Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 1 Year</td>
<td>822</td>
<td>410</td>
<td>412</td>
<td>99.5</td>
</tr>
<tr>
<td>1 Year</td>
<td>785</td>
<td>420</td>
<td>365</td>
<td>115.1</td>
</tr>
<tr>
<td>2 Years</td>
<td>801</td>
<td>419</td>
<td>382</td>
<td>109.7</td>
</tr>
<tr>
<td>3 Years</td>
<td>783</td>
<td>401</td>
<td>382</td>
<td>105.0</td>
</tr>
<tr>
<td>4 Years</td>
<td>745</td>
<td>388</td>
<td>357</td>
<td>108.7</td>
</tr>
<tr>
<td>5 Years</td>
<td>759</td>
<td>390</td>
<td>369</td>
<td>105.7</td>
</tr>
<tr>
<td>Under Age 6</td>
<td>4,695</td>
<td>2,428</td>
<td>2,267</td>
<td>107.1</td>
</tr>
</tbody>
</table>

Source: U.S. Census 2010

Table 3. Population of All Children < Age 6, by Gender, Anchorage, 2010

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Total</th>
<th>Male</th>
<th>Female</th>
<th>Males per 100 Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 1 Year</td>
<td>4,437</td>
<td>2,287</td>
<td>2,150</td>
<td>106.4</td>
</tr>
<tr>
<td>1</td>
<td>4,449</td>
<td>2,311</td>
<td>2,138</td>
<td>108.1</td>
</tr>
<tr>
<td>2</td>
<td>4,485</td>
<td>2,326</td>
<td>2,159</td>
<td>107.7</td>
</tr>
<tr>
<td>3</td>
<td>4,401</td>
<td>2,255</td>
<td>2,146</td>
<td>105.1</td>
</tr>
<tr>
<td>4</td>
<td>4,189</td>
<td>2,170</td>
<td>2,019</td>
<td>107.5</td>
</tr>
<tr>
<td>5</td>
<td>4,097</td>
<td>2,064</td>
<td>2,033</td>
<td>101.5</td>
</tr>
<tr>
<td>Under Age 6</td>
<td>26,058</td>
<td>13,413</td>
<td>12,645</td>
<td>106.1</td>
</tr>
</tbody>
</table>

Source: U.S. Census 2010

ADOLWD Estimates

According to the ADOLWD, there were nearly 5,000 AN/Al children under age 6 within the Municipality of Anchorage in 2014. They composed 15.9 percent of Anchorage’s total population of children under age 6 (31,110 children) and 13.1 percent of Anchorage’s AN/Al population (37,748 people) in 2014. The annual average rate of growth for AN/Al population under age 6 had a growth rate of 1.0 percent from 2010 to 2014 compared to the average rate of -0.3 percent for the total population under age 6.

Table 4. Anchorage’s AN/Al Population <6 and Total Population Trend, 2010-2014

<table>
<thead>
<tr>
<th>Year</th>
<th>AN/Al Population &lt; Age 6</th>
<th>AN/Al Population &lt; Age 6 Annual % Change</th>
<th>Total Population &lt; Age 6</th>
<th>Total Population &lt; Age 6 Annual % Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>4,763</td>
<td>–</td>
<td>31,426</td>
<td>–</td>
</tr>
<tr>
<td>2011</td>
<td>5,005</td>
<td>5.1</td>
<td>31,819</td>
<td>1.3</td>
</tr>
<tr>
<td>2012</td>
<td>5,046</td>
<td>0.8</td>
<td>31,317</td>
<td>-1.6</td>
</tr>
<tr>
<td>2013</td>
<td>5,038</td>
<td>-0.2</td>
<td>31,402</td>
<td>0.3</td>
</tr>
<tr>
<td>2014</td>
<td>4,950</td>
<td>-1.7</td>
<td>31,110</td>
<td>-0.9</td>
</tr>
</tbody>
</table>

Source: Alaska Department of Labor and Workforce Development Population Estimates.
Tribal Health System/Indian Health Services User Population

The following data displays the number of AN/AI children under age 6 in Anchorage who have used any Tribal Health System/Indian Health Service facility in the previous three years. This figure serves as a population estimate. The overall annual average rate of change from 2007 to 2014 was 0.5 percent.

Table 5. Users of Indian Health Services, FY2007 – FY 2014, Anchorage

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Estimated Number of AN/AI Users &lt; Age 6*</th>
<th>Annual % Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>4,632</td>
<td>–</td>
</tr>
<tr>
<td>2008</td>
<td>4,776</td>
<td>3.1%</td>
</tr>
<tr>
<td>2009</td>
<td>4,994</td>
<td>4.6%</td>
</tr>
<tr>
<td>2010</td>
<td>4,936</td>
<td>-1.1%</td>
</tr>
<tr>
<td>2011</td>
<td>4,806</td>
<td>-2.6%</td>
</tr>
<tr>
<td>2012</td>
<td>4,930</td>
<td>2.6%</td>
</tr>
<tr>
<td>2013</td>
<td>4,852</td>
<td>-1.6%</td>
</tr>
<tr>
<td>2014</td>
<td>4,787</td>
<td>-1.3%</td>
</tr>
</tbody>
</table>

Source: Indian Health Service National Data Warehouse

* Note: The source defines the relevant age categories as <1, 1-4, 5-9. To estimate the number of children under age 6, the total for the 5-9 category was divided by five (the number of ages in the category) and this number was summed with the totals of the first two categories.

Early Childhood Education (Preschool) Population Estimates

The following table estimates the number of children, ages three and four, who live in Anchorage and are the appropriate age range for some type of early childhood education. The table also estimates the portion of this population that would be eligible for public preschool. Public preschool includes Head Start and school district funded preschool. This eligible portion was calculated by doubling the enrollment counts of Kindergarten Economically Disadvantaged Student (EDS). The count was doubled to account for the three-year and four-year old cohorts. This estimate was modeled after the Strive Together Partnership - Commit in Texas.

Table 6. Three-Year and Four-Year Old Population, Anchorage, 2010

<table>
<thead>
<tr>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Children Aged Three to Four (US Census 2010)</strong></td>
</tr>
<tr>
<td>Total Population</td>
</tr>
<tr>
<td>AN/AI Children</td>
</tr>
<tr>
<td>All Other Children</td>
</tr>
<tr>
<td><strong>Estimated Number of Students Eligible for Public Preschool</strong></td>
</tr>
<tr>
<td>Total Population</td>
</tr>
<tr>
<td>AN/AI Children</td>
</tr>
<tr>
<td>All Other Children</td>
</tr>
</tbody>
</table>

Source: McDowell Group estimates based on Anchorage School District Kindergarten enrollment.
Demographic Maps

Summary Table of Indicators Presented on the Maps

The series of maps display demographic data by Census Tract. The following paragraph and table summarizes the data presented in the map at the Anchorage Bowl (excluding Eagle River and Girdwood areas) level.

In 2010, Municipality of Anchorage’s population totaled 291,826, of which AN/AI population totaled 36,062, or 12 percent of the total population. There were 10,063 AN/AI households. Of this total, 56 percent rented a housing unit. This compares to 107,322 households for the entire population, 40 percent of which rented a housing unit. There were 3,826 AN/AI family households in which there were children of the householder under age 18 who lived at home. Of this total, 56 percent were single-parent households. The median household income for AN/AI households in 2010 was $45,840.

Table 7. Summary of Demographics of Anchorage’s Total and AN/AI Populations, 2010

<table>
<thead>
<tr>
<th>Population</th>
<th>Number</th>
<th>Population &lt; Age 6</th>
<th>% Population &lt; Age 6</th>
<th>Median Household Income*</th>
<th>Number of Households</th>
<th>% Households Renting</th>
<th>% Single-Parent Households</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN/AI</td>
<td>36,062</td>
<td>4,695</td>
<td>13</td>
<td>$45,840</td>
<td>10,063</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>All</td>
<td>291,826</td>
<td>26,058</td>
<td>9</td>
<td>$73,004</td>
<td>107,322</td>
<td>40</td>
<td>32</td>
</tr>
</tbody>
</table>

Source: 2010 U.S. Census Summary File 2
* Note: “% Family Household with Children with Single Parent” refers to the percent of single parent households out of the total number of family households in which the head of household has children under age 18 living at home.

Description of the Maps

The first map in this series displays Anchorage by Census Tracts. For purposes of this report, the rest of the maps are zoomed into Anchorage’s core population (Anchorage Bowl) to provide a better view of the data. As a result of this zoom, the maps show only a portion of the Campbell Tract Census Tract. The Campbell Tract Census Tract connects with military land to the east and then extends north to include part of Joint Base Elmendorf Richardson (JBER). Consequently, the Campbell Tract region reflects demographic data drawn not only from the Stuckagain Heights neighborhood but also from JBER. In Figure 1, a map with a larger view of the Census Tracts is provided to demonstrate this.

The following maps display Anchorage Bowl demographic data. Notable findings are listed below:

- **Figure 2** shows the total number of children under age 6 by Census Tract. The regions with largest population of all children under age 6 are in south Anchorage (between the Seward Highway and Minnesota and where Minnesota curves and turns into O’Malley) and in north Anchorage (north of the Glenn Highway including the neighborhood of Mountain View).
- **Figure 3** displays what percentage children under age 6 compose of the total population of the Census Tracts. The part of Anchorage with the highest proportion of children less than age 6 is in north Anchorage (north of the Glenn Highway including the neighborhood of Mountain View).
- **Figure 4** shows the total number of AN/AI children under age 6 by Census Tract. The largest populations of AN/AI children under age 6 are in two locations: south Anchorage (between Jewel Lake...
and Seward Highway, south of Raspberry and north of Klatt) and north Anchorage (on either side of the Glenn Highway, east of the Seward Highway and west of Boniface).

- **Figure 5** displays what percentage AN/AI children under age 6 compose of the total population of children under age 6 by Census Tract. By proportion, the AN/AI population under age 6 is dispersed throughout the city without significant concentration anywhere.

- **Figure 6** displays the percentage of AN/AI households in rented housing units by Census Tract. The region with the highest percentages of AN/AI households who are renting (greater than 80 percent) extends north of International Airport Road between Minnesota and the Seward Highway, and then extends to the east north of the Glenn Highway.

- **Figure 7** shows the percentage of AN/AI family households with their own children less than age 18 with a single parent by Census Tract. There is a large percentage of AN/AI households with a single parent throughout the entire Anchorage Bowl area.
Figure 1. Municipality of Anchorage with Census Tract Boundaries, 2014

Source: US TIGER/line Shapefiles
Compiled and mapped by McDowell Group
Figure 2. Anchorage Bowl, Total Population < Age 6 by Census Tract, 2014

Note: The Campbell Tract area belongs to a Census Tract that lies east on military land east of Muldoon and extends north into Fort Richardson. Results depicting the Campbell Tract area reflect the statistics of this entire Census Tract.
Figure 3. Anchorage Bowl, Percentage of Total Population < Age 6, by Census Tract, 2014
Figure 4. Anchorage Bowl, AN/Al Population < Age 6, by Census Tract, 2014
Figure 5. Anchorage Bowl, Percentage of Total Population < Age 6 that is AN/Al, by Census Tract, 2014

*Percent of Population Less than 6 that is AN/Al*

- Less than 10%
- 10.1 - 15%
- 15.1 - 20%
- 20.1 - 25%
- Greater than 25%

Minimum value is 4 percent. Maximum value is 35 percent.

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group
Figure 6. Anchorage Bowl, Percentage of AN/Al Households in Rented Housing Units, by Census Tract, 2014

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group
Figure 7. Anchorage Bowl, Percentage of AN/Al Households with Own Children under 18 with Single Parent, by Census Tract, 2014

Percent of AN/Al Family Households with Own Children Under the Age of 18 that have a Single Parent

- Less than 20%
- 20.1 - 40%
- 40.1 - 60%
- 60.1 - 70%
- Greater than 70%

Minimum value is 0 percent.
Maximum value is 78 percent.

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.
Compiled and mapped by McDowell Group.
Statistics of Anchorage Child Care Providers

In the spring of 2015, McDowell Group conducted a statewide telephone survey on early care and learning services. For this document, data was excerpted from two McDowell Group reports that employed the survey data: Economic Impact of Early Care and Learning in Alaska and Early Care and Learning in Anchorage: Survey of Anchorage Families. A summary of key statistics and information on early care and learning in Anchorage drawn from the survey and those two reports are presented below.

All Anchorage Children

Over half (62 percent) of all children under age 6 typically receive some form of early care and learning services. These services take the form of preschool or center-based care for 48 percent of this group. In the month prior to the survey, all children under age 6 received an average of 115 hours of care per month, or 26 hours per week (using an average of 4.35 weeks per month). During the same month, spending on care averaged $408, and 14 percent of the population received financial assistance for care.

Alaska Native/American Indian Children

Over two-thirds (68 percent) of AN/AI children under age 6 typically receive some form of early care and learning services. These services take the form of preschool or center-based care for 55 percent of this group. In the month prior to the survey, AN/AI children under age 6 received an average of 126 hours in care per month, or 29 hours per week. During the same month, spending on care averaged $470, and 13 percent of the population received financial assistance for care.

Provider Types

Licensed Child Care Providers

The Child Care Program Office (CCPO) of the Alaska Department of Health and Social Services (DHSS) licenses three types of child care providers: Licensed Center, Licensed Group Home, and Licensed Home. The Municipality of Anchorage licenses two types of child care providers: Licensed Centers and Licensed Homes. All licensed locations must have an administrator with either college credit in child development, a Child Development Associate credential, or a Montessori certificate. Additional licensure qualifications include a business license, background check, CPR and first aid certifications, annual trainings, Fire Marshall Approval of Premises, and on-site compliance evaluation.

Licensed Child Care Centers provide care for 13 or more children. They require an administrator aged 21 or older. The threshold ratio of the number of caregivers to children varies according to the ages of the children. The ratios call for one caregiver for every five infants, every six toddlers, every ten preschool children, and every fourteen Kindergarten children. There were 121 licensed child care centers operating in the Municipality of Anchorage in 2014.
Licensed Child Care Group Homes provide care for nine to 12 children at one time. They require an administrator aged 21 or older. There must be a minimum of two caregivers with no more than five children under the age of 30 months and no more than four non-ambulatory children. There were no licensed child care group homes operating in the Municipality of Anchorage in 2014.

Licensed Child Care Homes provide care for up to eight children at one time. They require an administrator aged 18 or older. There can be no more than three children under the age of 30 months and no more than two non-ambulatory children. In 2014 there were 158 licensed child care homes operating in the Municipality of Anchorage.

Approved Child Care Providers

Several types of child care providers are exempt from licensure, though they must be approved by DHSS in order to participate in the State of Alaska Child Care Assistance Program. These provider types include: Approved Non-relative, Approved Relative, Approved In-home (Pass II/Pass III) Caregivers, and PASS I In–home Child Care Caregivers. Qualifications necessary for approved providers include a business license, background check, approved rates, a disaster preparedness and emergency evacuation plan, and a health inspection of the premises.

Approved Non-relative Child Care Providers operate child care for up to four children unrelated to the provider. Approved Providers may care for no more than a total of five children under age 13, including the provider’s own children. No more than two of these children may be under 30 months of age. This category of provider needs to be licensed within 12 months to continue to be eligible for payment through the Child Care Assistance Program. In 2014, 63 Approved Non-relative Child Care Providers operated in the Municipality.

Approved Relative Child Care Providers care for no more than five children under 13 years of age in the provider’s residence, including the provider’s own children. This total may include no more than two children under 30 months of age. Eligible children include the caregiver’s grandchildren, great-grandchildren, siblings who reside in a separate residence, niece or nephew, and great-niece or nephew. These providers are not required to be licensed to continue to be eligible for payment through the State of Alaska Child Care Assistance Program, though a new application for approval is required every two years. In 2014, 352 Approved Relative Child Care Providers operated in the Municipality.

Approved In-home Child Care Caregivers care for children in the home of a child whose parents receive PASS II or PASS III child care assistance. There were 109 approved PASS II/PASS III in-home Child Care providers operating in the Municipality in 2014.

Pass I In-Home Child Care Caregivers care for children whose parents receive Alaska Temporary Assistance benefits while seeking work or engaging in educational activities that may lead to employment. Care is conducted in the home of the family receiving PASS I Child Care Assistance. The providers may also include their own children in care, with the permission of the other parents. The providers must also meet Division of Public Assistance child care requirements. PASS I child care assistance is available for children under age 13, up to age 19 if the child has a developmental disability, or ages 13 through 18 if the children are under court supervision and required to be in the care of an adult. A total of 90 Pass I In-home Child Caregivers operated in the Municipality in 2014.
Legally-exempt child care providers are legally exempt from licensing requirements as long as they care for no more than four children unrelated to them. These providers are eligible for Child Care Assistance funds. The number of such providers in Anchorage is not known.

Approved Military Providers

The U.S. Department of Defense and United States Coast Guard certify child care facilities in Alaska that serve the military population.

Facilities on military bases. Child care centers and family child care homes are certified at JBER. In 2014, 6 military child care centers and 25 military in-home child care providers were operating in Anchorage.

Table 8. Summary of Child Care Provider Types and Characteristics

<table>
<thead>
<tr>
<th>Provider Type</th>
<th>Maximum # Children in Care</th>
<th>Maximum # of Infants ≤ 30 Months in Care*</th>
<th>Age of Children Served</th>
<th>Eligible for Child Care Assistance funds? (Y or N)</th>
<th>Administrator Required? (Y or N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Non Relative</td>
<td>5</td>
<td>2</td>
<td>0-12</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Approved Relative</td>
<td>5</td>
<td>2</td>
<td>0-12</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Approved In-Home</td>
<td>**</td>
<td>**</td>
<td>0-12</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Pass 1 In-Home</td>
<td>**</td>
<td>**</td>
<td>0-12</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Licensed Center</td>
<td>13+</td>
<td>1:5 caregiver to infant ratio*</td>
<td>0-12</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Licensed Home</td>
<td>8</td>
<td>3</td>
<td>0-12</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Licensed Group Home</td>
<td>12</td>
<td>2</td>
<td>0-12</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Military Center†</td>
<td>NA</td>
<td>NA</td>
<td>0-5</td>
<td>Y</td>
<td>NA</td>
</tr>
<tr>
<td>Military Home†</td>
<td>NA</td>
<td>NA</td>
<td>0-12</td>
<td>Y</td>
<td>NA</td>
</tr>
</tbody>
</table>

* Note: Infants refers to children under the age of 30 months except for Licensed Centers, for which infant refers to children under the age of 18 months.
† Multiple efforts were made to obtain additional information about this provider type, but the study team was unable to obtain the information.
** Note: For Approved In-Home and Pass 1 In-Home providers, there is no single limit for the number of children allowed in care. Rather, the only children allowed in care are those of the family receiving Child Care Assistance and, with the family’s permission, the children of the caregiver. Likewise, there is no single limit on the number of infants in care, provided they are the children of the family receiving Child Care Assistance.
NA – Not Available
Table 9. Number of Child Care Providers in Anchorage, by Type

<table>
<thead>
<tr>
<th>Provider Type</th>
<th>Number of Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved In-Home</td>
<td>109</td>
</tr>
<tr>
<td>Approved Non Relative</td>
<td>63</td>
</tr>
<tr>
<td>Approved Relative</td>
<td>352</td>
</tr>
<tr>
<td>Licensed Center</td>
<td>121</td>
</tr>
<tr>
<td>Licensed Home</td>
<td>158</td>
</tr>
<tr>
<td>Licensed Group Home</td>
<td>0</td>
</tr>
<tr>
<td>Military Center</td>
<td>6</td>
</tr>
<tr>
<td>Military Home</td>
<td>25*</td>
</tr>
<tr>
<td>Pass 1 In-Home</td>
<td>90</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>902</strong></td>
</tr>
</tbody>
</table>

Source: Alaska Department of Health and Social Services, Child Care Program Office

* Note: According to an interview with JBER's Family Child Care office, there is an average of 25 Military Home providers at any given time.

**Child Care Assistance Program Rate Schedule**

The State of Alaska Child Care Program funds child care for families with financial need. Families are eligible for this program if they are receiving Alaska Temporary Assistance benefits while attempting to find work or if they are transitioning away from Alaska Temporary Assistance benefits while working or in school. Families are obligated to fulfill a copay, ranging from 1 percent to 10 percent of their total income, depending on the size of the family and the family's annual income. Below are the contribution rates set by the State of Alaska.

Table 10. Anchorage Rate Schedule for State of Alaska Child Care Assistance Program

<table>
<thead>
<tr>
<th></th>
<th>Full Time</th>
<th>% Full Time Children Charged above State Rate</th>
<th>Minimum – Maximum Range</th>
<th>Part Time</th>
<th>% Part Time Children Charged above State Rate</th>
<th>Minimum – Maximum Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Licensed or Military Center Care or Group Homes</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infant (0 – 18 months)</td>
<td>$850</td>
<td>52.2</td>
<td>$800 – $1,132</td>
<td>$510</td>
<td>11.0%</td>
<td>$500 – $845</td>
</tr>
<tr>
<td>Toddler (19 – 36 months)</td>
<td>800</td>
<td>63.1</td>
<td>596 – 1,125</td>
<td>480</td>
<td>52.2</td>
<td>375 – 825</td>
</tr>
<tr>
<td>Preschool Age (37 months – 6 years)</td>
<td>650</td>
<td>68.6</td>
<td>507 – 977</td>
<td>390</td>
<td>57.5</td>
<td>350 – 728</td>
</tr>
<tr>
<td><strong>Licensed or Military Home Care</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infant</td>
<td>700</td>
<td>52.4</td>
<td>500 – 900</td>
<td>420</td>
<td>63.4</td>
<td>350 – 600</td>
</tr>
<tr>
<td>Toddler</td>
<td>650</td>
<td>54.4</td>
<td>500 – 900</td>
<td>390</td>
<td>51.5</td>
<td>350 – 600</td>
</tr>
<tr>
<td>Preschool Age</td>
<td>545</td>
<td>71.2</td>
<td>500 – 900</td>
<td>327</td>
<td>58.4</td>
<td>327 – 500</td>
</tr>
<tr>
<td><strong>Approved or In-Home Care</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infant</td>
<td>518</td>
<td>*</td>
<td>*</td>
<td>311</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Toddler</td>
<td>492</td>
<td>*</td>
<td>*</td>
<td>295</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Preschool Age</td>
<td>440</td>
<td>*</td>
<td>*</td>
<td>264</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

Source: Alaska DHSS CCPO, CCPO 2013 Alaska Child Care Market Price Survey Report

* Data not available for Approved or In-Home care in the CCPO 2013 Alaska Child Care Market Price Survey Report.
The federal government mandates states to conduct surveys every two years to identify child care market prices. These surveys are intended to guide state Child Care Assistance rates. While states are required to perform these surveys, they are not required to update the payment rates. Thus, Alaska’s rates are based on a 2009 market survey, even though the state has conducted surveys every two years since.

**Head Start**

Four organizations operate Head Start or Early Head Start programs in the Municipality of Anchorage (MOA). Kids’ Corps, Cook Inlet Native Head Start, and Rural Community Action Program (Rural CAP) operate in the Anchorage Bowl, and CCS operates in Chugiak. These organizations periodically conduct community assessments assessing the percentage of the population eligible for Head Start or Early Head and the percentage being served. The most recent Cook Inlet Native Head Start assessment determined that its program served 21 percent of the MOA’s 1,300 eligible AN/AI children. In a 2014 assessment, Rural CAP reported its Anchorage program served 2 percent of all eligible children in the Anchorage community. Assessments by Kids’ Corps and CCS analyzed the impact of all of Anchorage’s Head Start and Early Head Start Programs. A 2011 Kids’ Corps assessment reported that 30 percent of Anchorage’s Head Start eligible children received Head Start services. In 2014, a CCS assessment found that the combined efforts of all of Anchorage’s Head Start and Early Head Start programs served 40.5 and 2.6 percent, respectively, of all eligible children.

While the numbers of these reports vary, they all indicate that Anchorage children are underserved in that there are more children eligible for Head Start than there are available slots.

**Child Care and Early Learning Maps**

The following maps display the locations of child care providers in Anchorage. Notable findings are listed below:

- **Figure 8** displays approved, licensed and military child care providers’ locations layered with the number of AN/AI children under age 6. The region of north Anchorage with a high number of AN/AI children under age 6 has a relatively high number of approved providers.
- **Figure 9** shows licensed child care center locations layered with the number of AN/AI children under age 6. The region of north Anchorage with a high number of AN/AI children under age 6 has a relative absence of licensed child care centers.
- **Figure 10** displays the Head Start locations layered with the number of AN/AI children under age 6. Head Start centers are focused in north and east Anchorage. There is only one Head Start center near the south Anchorage concentration of AN/AI children under age 6.
- **Figure 11** depicts average child care spending per household by Census Tract. South Anchorage has the highest levels of child care spending per household, while midtown and north Anchorage, including Downtown, Fairview, and Government Hill, have the lowest levels of child care spending per household.
Figure 8. Anchorage Bowl, Approved, Licensed, and Military Child Care Provider Locations with Population of AN/Al Children < Age 6, by Census Tract, 2014

Child Care Providers
- Approved In-Home
- Approved Non-Relative
- Approved Relative
- Pass 1 In-Home
- Licensed Center
- Licensed Home
- Military Center
- Military Home

AN/Al Population Younger than 6
- 1 - 50
- 51 - 100
- 101 - 150
- 151 - 200
- More than 200

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group

Alaska Albers
1983 North American Datum
Figure 9. Anchorage Bowl, Licensed Child Care Center Locations with Population of AN/AI Children < Age 6, By Census Tract, 2014

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group

Child Care Providers
- Licensed Center

AN/AI Population Younger than 6
- 1 - 50
- 51 - 100
- 101 - 150
- 151 - 200
- More than 200

Alaska Albers
1983 North American Datum
Figure 10. Anchorage Bowl, Head Start Locations with Population of AN/AI Children < Age 6, By Census Tract, 2014

Head Start Locations
- Head Start
- Head Start and Early Head Start

AN/AI Population Younger than 6
1 - 50
51 - 100
101 - 150
151 - 200
More than 200

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group
Figure 11. Anchorage Bowl, 2015 Average Annual Child Care Spending per Household, by Census Tract
Elementary School Zoning Boundaries

The following three maps depict the population distribution of all children and AN/AI children less than age 6 in Anchorage overlaid with ASD elementary school zoning boundaries.

Figure 12. Anchorage Bowl, Total Population Younger than 6, by Census Tract, with ASD Elementary School Zoning Boundaries, 2014
Figure 13. Anchorage Bowl, Total Population Younger than 6, by Census Tract, with Elementary Schools without Zoning Boundaries, 2014
Figure 14. Anchorage Bowl, AN/AI Population < Age 6, by Census Tract, with ASD Elementary School Zoning Boundaries, 2014

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.

Compiled and mapped by McDowell Group
Kindergarten

Enrollment

In the 2014-2015 school year, 3,973 Anchorage children enrolled in ASD as Kindergarten students. Of these students, 658 were AN/AI students. Total enrollment has remained fairly level from the 2011-2012 school year when the enrollment total was 3,984. However, enrollment of AN/AI students has steadily dropped from 766 in 2011-2012 school year to the 2014-2015 school year total. AN/AI students comprised 19.2 percent of total enrollment in the 2011-2012 school year and 16.6 percent of total enrollment in 2014-2015 school year.

![Figure 15. AN/AI Students and All Other Students Enrolled in ASD Kindergarten, 2011-2012 to 2014-2015 School Years](source: Anchorage School District)

Notable findings from the following maps are listed below:

- **Figure 16** displays the number of AN/AI students enrolled in Kindergarten by elementary school zoning boundary. The highest AN/AI Kindergarten enrollments are at Sand Lake, Tyson, Wonder Park, North Star, and Chinook elementary schools. Alaska Native Cultural Charter school, which is not shown on this map because it does not have a zoning boundary, has the highest Kindergarten enrollment of AN/AI for all Anchorage schools.

- **Figure 17** shows the percentage of Kindergarten students who are AN/AI students. While there are higher AN/AI enrollment counts at certain elementary schools, the percentages of AN/AI Kindergarten students are fairly level throughout all Anchorage elementary schools with the exception of Government Hill and O’Malley elementary schools.
Figure 16. Anchorage Bowl, AI/AN Kindergarten Enrollment, by ASD Elementary School Zoning Boundary, 2014-2015 School Year

AN/Al Kindergarten Enrollment, 2014-2015

- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- Greater than 20

Minimum value is 1
Maximum value is 27
Note: These values are for schools with zoning. There are schools without zoning boundaries, such as charter schools, that are not depicted.

Source: US 2010 Census, MOA GIS and Mapping Services, ASD.
Compiled and mapped by McDowell Group
Figure 17. Anchorage Bowl, Percentage of Kindergarten Students that are AN/Al, by ASD Elementary School Zoning Boundary, 2014-2015 School Year
Economically Disadvantaged Students (EDS)

The Anchorage School District classifies students as economically disadvantaged as required by the Elementary and Secondary Act (ESEA). In this report, and Economically Disadvantaged Student (EDS) is one that met the following criteria: family income below the federal guidelines (see Table 11 below), participation in the State’s Alaska Temporary Assistance Program, attendance of a Provision 3 school, were considered a migrant, or had a sibling already receiving free or reduced lunch.

Table 11. Alaska Free or Reduced Lunch Income Eligibility Guidelines, 2013 – 2014 School Year

<table>
<thead>
<tr>
<th>Household Size</th>
<th>Reduced Lunch Annual Income Guidelines</th>
<th>Free Lunch Annual Income Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>$35,853</td>
<td>$25,194</td>
</tr>
<tr>
<td>3</td>
<td>45,159</td>
<td>31,733</td>
</tr>
<tr>
<td>4</td>
<td>54,464</td>
<td>38,272</td>
</tr>
<tr>
<td>5</td>
<td>63,770</td>
<td>44,811</td>
</tr>
<tr>
<td>6</td>
<td>73,075</td>
<td>51,350</td>
</tr>
<tr>
<td>7</td>
<td>82,381</td>
<td>57,889</td>
</tr>
<tr>
<td>8</td>
<td>91,686</td>
<td>64,428</td>
</tr>
<tr>
<td>Each additional family member</td>
<td>+ 9,306</td>
<td>+ 6,539</td>
</tr>
</tbody>
</table>

Source: USDA Food and Nutrition Service
In the 2013-2014 school year, 543 AN/AI kindergarten students, or 73 percent of all AN/AI Kindergarten students, were EDS. The percentage was the same in 2012-2013 and only slightly less, 69 percent, in 2011-2012. AN/AI students comprised 26 percent of all EDS students during the 2013-2014 school year. This percentage has remained steady since the 2011-2012 school year, in which AN/AI students comprised 27 percent of all EDS students.

**Figure 18. AN/AI Students and All Other EDS Students Enrolled in ASD Kindergarten, 2011-2012 to 2013-2014 School Years**

Source: Anchorage School District.
Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.

**Figure 19. Percent of AN/AI Kindergarten Students that are EDS, 2011-2012 to 2013-2014 School Years**

Source: Anchorage School District.
Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.
Figure 20. Percent of Kindergarten EDS that are AN/AI, 2011-2012 to 2013-2014 School Years

Source: Anchorage School District.
The following table provides enrollment data for 29 ASD elementary schools with the highest Kindergarten enrollment of AN/AI students. This group accounts for all schools with ten or more AN/AI students and comprises 80 percent of the entire district’s total AN/AI enrollment. The row titled “Total” represents district-wide totals, and includes the numbers from schools not individually represented in the table.

Table 12. Kindergarten Enrollment Totals, Anchorage School District, by School, 2014-2015 School Year

<table>
<thead>
<tr>
<th>School</th>
<th>AN/AI Enrollment</th>
<th>Total Enrollment</th>
<th>AN/AI % of Total Enrollment</th>
<th>% AN/AI achieved K-ready Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska Native Cultural Charter School</td>
<td>43</td>
<td>46</td>
<td>93</td>
<td>40</td>
</tr>
<tr>
<td>Sand Lake Elementary School</td>
<td>27</td>
<td>104</td>
<td>26</td>
<td>30</td>
</tr>
<tr>
<td>Tyson Elementary School</td>
<td>23</td>
<td>79</td>
<td>29</td>
<td>52</td>
</tr>
<tr>
<td>Wonder Park Elementary School</td>
<td>23</td>
<td>72</td>
<td>32</td>
<td>53</td>
</tr>
<tr>
<td>North Star Elementary School</td>
<td>22</td>
<td>58</td>
<td>38</td>
<td>*</td>
</tr>
<tr>
<td>Chinook Elementary School</td>
<td>21</td>
<td>79</td>
<td>27</td>
<td>45</td>
</tr>
<tr>
<td>Muldoon Elementary School</td>
<td>20</td>
<td>81</td>
<td>25</td>
<td>*</td>
</tr>
<tr>
<td>Ocean View Elementary School</td>
<td>20</td>
<td>64</td>
<td>31</td>
<td>50</td>
</tr>
<tr>
<td>Russian Jack Elementary School</td>
<td>20</td>
<td>61</td>
<td>33</td>
<td>*</td>
</tr>
<tr>
<td>Tudor Elementary School</td>
<td>20</td>
<td>60</td>
<td>33</td>
<td>*</td>
</tr>
<tr>
<td>Baxter Elementary School</td>
<td>19</td>
<td>58</td>
<td>33</td>
<td>62</td>
</tr>
<tr>
<td>Kincaid Elementary School</td>
<td>19</td>
<td>87</td>
<td>22</td>
<td>*</td>
</tr>
<tr>
<td>Abbott Loop Elementary School</td>
<td>18</td>
<td>59</td>
<td>31</td>
<td>*</td>
</tr>
<tr>
<td>Spring Hill Elementary School</td>
<td>18</td>
<td>61</td>
<td>30</td>
<td>46</td>
</tr>
<tr>
<td>Willow Crest Elementary School</td>
<td>18</td>
<td>76</td>
<td>24</td>
<td>53</td>
</tr>
<tr>
<td>Creekside Park Elementary School</td>
<td>17</td>
<td>66</td>
<td>26</td>
<td>*</td>
</tr>
<tr>
<td>Gladys Wood Elementary School</td>
<td>17</td>
<td>62</td>
<td>27</td>
<td>65</td>
</tr>
<tr>
<td>Taku Elementary School</td>
<td>16</td>
<td>55</td>
<td>29</td>
<td>*</td>
</tr>
<tr>
<td>Airport Heights Elementary School</td>
<td>15</td>
<td>51</td>
<td>29</td>
<td>*</td>
</tr>
<tr>
<td>Lake Otis Elementary School</td>
<td>15</td>
<td>69</td>
<td>22</td>
<td>71</td>
</tr>
<tr>
<td>Northwood Elementary School</td>
<td>15</td>
<td>45</td>
<td>33</td>
<td>*</td>
</tr>
<tr>
<td>Mountain View Elementary School</td>
<td>14</td>
<td>56</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td>Rabbit Creek Elementary School</td>
<td>14</td>
<td>58</td>
<td>24</td>
<td>*</td>
</tr>
<tr>
<td>Campbell Elementary School</td>
<td>13</td>
<td>66</td>
<td>20</td>
<td>*</td>
</tr>
<tr>
<td>Ptarmigan Elementary School</td>
<td>13</td>
<td>75</td>
<td>17</td>
<td>*</td>
</tr>
<tr>
<td>Kasuun Elementary School</td>
<td>11</td>
<td>59</td>
<td>19</td>
<td>46</td>
</tr>
<tr>
<td>Rogers Park Elementary School</td>
<td>11</td>
<td>64</td>
<td>17</td>
<td>67</td>
</tr>
<tr>
<td>College Gate Elementary School</td>
<td>10</td>
<td>52</td>
<td>19</td>
<td>*</td>
</tr>
<tr>
<td>Susitna Elementary School</td>
<td>10</td>
<td>67</td>
<td>15</td>
<td>*</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>658</strong></td>
<td><strong>3,973</strong></td>
<td><strong>17</strong></td>
<td><strong>35</strong></td>
</tr>
</tbody>
</table>

Source: Anchorage School District. Kindergarten Enrollment and Alaska Developmental Profile data.

* Note: A starred symbol indicates fewer than five students were Kindergarten Ready. These figures were hidden for confidentiality.
Preschool (ASD)

Enrollment

In the 2014-2015 school year, 717 Anchorage children enrolled in the Anchorage School District (ASD) as preschool students. Of these students, 124 were AN/AI Preschool students. Since the 2011-2012 school year, preschool total enrollment has increased from 475 to 717 Anchorage Preschool students in 2012-2015 – an increase of 150 percent. Despite this rise in overall enrollment, the number of AN/AI Preschool students enrolled has remained fairly level. AN/AI students comprised 28.2 percent of the total Preschool enrollment in 2011-2012 school year and 17.3 percent of the total Preschool enrollment in 2014-2015 school year.

Figure 21. AN/AI Students and All Other Students Enrolled in Anchorage School District Preschool, 2011-2012 to 2014-2015 School Years


EDS

In the 2013-2014 school year, 72 percent of AN/AI Preschool students were considered EDS, a rise from 54 percent in the 2011-2012 school year. Also in the 2013-2014 school year, AN/AI Preschool students comprised 31 percent of all EDS Preschool students. This percentage has decreased from 35 percent in the 2011-2012 school year, indicative of Preschool enrollment trends: a substantial increase in All Other Preschool students with only a slight increase in AN/AI Preschool students.
Figure 22. AN/AI Students and All Other EDS Students Enrolled in Anchorage School District Preschool, 2011-2012 to 2013-2014 School Years

Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.
Alaska Developmental Profile Cut Scores

The Alaska Developmental Profile (ADP) provides a tool for the Kindergarten teacher to assess a child at the beginning of the year with the purpose to identify, record and summarize the skills and behaviors students demonstrate at the beginning of their Kindergarten year. The Profile was designed to assess individual students rather than capture population-level data about students. However, examining ADP data at the population-level helps set the stage for the discussion around Kindergarten Preparedness. Despite limitations of this data, it is one of the few data points available for this age group.

Within the ADP, student skills and behaviors are defined by goals and indicators in five domains from Alaska’s Early Learning Guidelines, including:

- Physical Well-Being, Health, and Motor Development
- Social and Emotional Development
- Approaches to Learning
- Cognition and General Knowledge
- Communication, Language, and Literacy

The goals of each indicator convey the expectations of what students should know, understand, and be able to do at Kindergarten entry.

**ADP Scoring**

Students are scored on a 3-point scale according to how well they demonstrate the goals of each domain:

- “0” indicates a student who demonstrates the domain goals 20 percent or less of the time.
- “1” indicates a progressing student who demonstrates domain goals on an inconsistent basis.
- “2” indicates a student who consistently demonstrates domain goals 80% or more of the time.

In addition to these domains, the ADP publishes an Overall Score, which is a total score based on the scores of all five domains. The data presented in this section displays the results of students scoring twenty or higher.
In the 2014-2015 school year, 34.9 percent of AN/AI Kindergarten students achieved a Kindergarten-Ready score on the ADP.

Figure 23. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students and All Other Students, 2011-2012 to 2014-2015 School Years

Table 13. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students and All Other Students, 2011-2012 to 2014-2015 School Years

<table>
<thead>
<tr>
<th>School Year</th>
<th>Percent</th>
<th>AN/AI Students</th>
<th>All Other Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Number</td>
<td>Total</td>
</tr>
<tr>
<td>2010-2011</td>
<td>39.6</td>
<td>275</td>
<td>695</td>
</tr>
<tr>
<td>2011-2012</td>
<td>40.1</td>
<td>271</td>
<td>676</td>
</tr>
<tr>
<td>2012-2013</td>
<td>35.7</td>
<td>251</td>
<td>704</td>
</tr>
<tr>
<td>2013-2014</td>
<td>37.2</td>
<td>254</td>
<td>683</td>
</tr>
<tr>
<td>2014-2015</td>
<td>34.9</td>
<td>221</td>
<td>633</td>
</tr>
</tbody>
</table>

Gender

Females

In the 2014-2015 school year, 39.2 percent of AN/Al female Kindergarten students achieved a score of Kindergarten Ready.

Figure 24. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/Al Female Students and All Other Female Students, 2011-2012 to 2014-2015 School Years


Table 14. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/Al Female Students and All Other Female Students, 2011-2012 to 2014-2015 School Years

<table>
<thead>
<tr>
<th>School Year</th>
<th>AN/Al Female Students</th>
<th>All Other Female Students</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent</td>
<td>Number</td>
</tr>
<tr>
<td>2010-2011</td>
<td>46.7</td>
<td>168</td>
</tr>
<tr>
<td>2011-2012</td>
<td>48.5</td>
<td>162</td>
</tr>
<tr>
<td>2012-2013</td>
<td>39.9</td>
<td>138</td>
</tr>
<tr>
<td>2013-2014</td>
<td>42.6</td>
<td>138</td>
</tr>
<tr>
<td>2014-2015</td>
<td>39.2</td>
<td>127</td>
</tr>
</tbody>
</table>

Males

In the 2014-2015 school year, 30.4 percent of AN/AI male Kindergarten students achieved a score of Kindergarten Ready.

Figure 25. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Male Students and All Other Male Students, 2011-2012 to 2014-2015 School Years

![Graph showing the percentage of kindergarten-ready students for AN/AI males and all other male students from 2010-2011 to 2014-2015 school years. The graph shows a decrease in percentage from 2010-2011 to 2014-2015, with AN/AI males starting higher than all other males but eventually crossing below in 2014-2015.]


Table 15. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Male Students and All Other Male Students, 2011-2012 to 2014-2015 School Years

<table>
<thead>
<tr>
<th>School Year</th>
<th>Percent</th>
<th>Number</th>
<th>Total</th>
<th>Percent</th>
<th>Number</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>31.9</td>
<td>107</td>
<td>335</td>
<td>46.6</td>
<td>721</td>
<td>1,546</td>
</tr>
<tr>
<td>2011-2012</td>
<td>31.9</td>
<td>109</td>
<td>342</td>
<td>44.5</td>
<td>672</td>
<td>1,509</td>
</tr>
<tr>
<td>2012-2013</td>
<td>31.6</td>
<td>113</td>
<td>358</td>
<td>41.7</td>
<td>680</td>
<td>1,630</td>
</tr>
<tr>
<td>2013-2014</td>
<td>32.3</td>
<td>116</td>
<td>359</td>
<td>41.2</td>
<td>649</td>
<td>1,574</td>
</tr>
<tr>
<td>2014-2015</td>
<td>30.4</td>
<td>94</td>
<td>309</td>
<td>37.3</td>
<td>602</td>
<td>1,614</td>
</tr>
</tbody>
</table>

Gender Comparison

In the 2014-2015 school year, 39.2 percent of AN/AI female Kindergarten students achieved a score of Kindergarten Ready compared to 30.4 percent AN/AI male Kindergarten students.

![Figure 26. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students by Gender, 2011-2012 to 2014-2015 School Years](image)


EDS

AN/AI non-EDS Kindergarten students achieved a Kindergarten-Ready score at higher percentages than AN/AI EDS Kindergarten students during the school years between 2010-2011 to 2013-2014. AN/AI non-EDS Kindergarten students achieve a Kindergarten-Ready score at similar rates to All Other students during the same time period.
Figure 27. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students by Economically Disadvantaged Status, 2011-2012 to 2013-2014 School Years

Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.

Figure 28. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students by Economically Disadvantaged Status with AN/AI Students Score Overall, 2011-2012 to 2013-2014 School Years

Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.
Figure 29. Percentage of Kindergarten-Ready Students (Scoring 20+), AN/AI Students by Economically Disadvantaged Status with AN/AI and All Other Students Overall Scores, 2011-2012 to 2013-2014 School Years

Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.

Figure 30. Percentage of Kindergarten-Ready Students (Scoring 20+), Economically Disadvantaged Students by Race/Ethnicity, 2011-2012 to 2013-2014 School Years

Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.
Table 16. Percentage of Kindergarten-Ready Students (Scoring 20+), Economically Disadvantaged Students by Race/Ethnicity, 2011-2012 to 2013-2014 School Years

<table>
<thead>
<tr>
<th>School Year</th>
<th>Economically Disadvantaged Students</th>
<th></th>
<th></th>
<th>Not Economically Disadvantaged Students</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AN/AI Students</td>
<td>All Other Students</td>
<td>AN/AI Students</td>
<td>All Other Students</td>
<td>AN/AI Students</td>
<td>All Other Students</td>
</tr>
<tr>
<td></td>
<td>Percent</td>
<td>Number</td>
<td>Total</td>
<td>Percent</td>
<td>Number</td>
<td>Total</td>
</tr>
<tr>
<td>2010-2011</td>
<td>35.9</td>
<td>180</td>
<td>502</td>
<td>40.5</td>
<td>564</td>
<td>1,394</td>
</tr>
<tr>
<td>2011-2012</td>
<td>36.0</td>
<td>178</td>
<td>494</td>
<td>38.8</td>
<td>555</td>
<td>1,431</td>
</tr>
<tr>
<td>2012-2013</td>
<td>31.5</td>
<td>171</td>
<td>543</td>
<td>37.3</td>
<td>593</td>
<td>1,591</td>
</tr>
<tr>
<td>2013-2014</td>
<td>32.4</td>
<td>159</td>
<td>490</td>
<td>37.0</td>
<td>494</td>
<td>1,335</td>
</tr>
</tbody>
</table>

Source: Anchorage School District. Alaska Developmental Profile. Note: Data from school year 2014-2015 are not presented because of a change in the EDS definition that year.

Detailed ADP Data Tables

The following tables report the 2014-2015 school year ADP data using the following categories and scores:

- Not Ready: 0 to 9
- Marginally Ready: 10 to 19
- Ready: 20 to 24
- Advanced: 25 to 26

Table 17. Kindergarten Readiness Categories, AN/AI Students and All Other Students, 2014-2015 School Year

<table>
<thead>
<tr>
<th>School Year</th>
<th>AN/AI Students</th>
<th></th>
<th></th>
<th>All Other Students</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent</td>
<td>Number</td>
<td>Percent</td>
<td>Number</td>
<td>AN/AI Students</td>
<td>All Other Students</td>
</tr>
<tr>
<td>Not ready</td>
<td>13.9</td>
<td>88</td>
<td>9.2</td>
<td>287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marginally ready</td>
<td>51.2</td>
<td>324</td>
<td>47.2</td>
<td>1,470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ready</td>
<td>23.9</td>
<td>151</td>
<td>26.0</td>
<td>809</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced</td>
<td>11.1</td>
<td>70</td>
<td>17.6</td>
<td>548</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>633</td>
<td>100</td>
<td>3,114</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 18. Kindergarten Readiness Categories, AN/AI Students and All Other Students by Gender, 2014-2015 School Year

<table>
<thead>
<tr>
<th></th>
<th>Female</th>
<th></th>
<th>Male</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AN/AI Students</td>
<td>All Other Students</td>
<td>AN/AI Students</td>
<td>All Other Students</td>
</tr>
<tr>
<td></td>
<td>Percent</td>
<td>Number</td>
<td>Percent</td>
<td>Number</td>
</tr>
<tr>
<td>Not ready</td>
<td>10.2</td>
<td>33</td>
<td>7.1</td>
<td>107</td>
</tr>
<tr>
<td>Marginally ready</td>
<td>50.6</td>
<td>164</td>
<td>42.5</td>
<td>638</td>
</tr>
<tr>
<td>Ready</td>
<td>25.6</td>
<td>83</td>
<td>28.6</td>
<td>429</td>
</tr>
<tr>
<td>Advanced</td>
<td>13.6</td>
<td>44</td>
<td>21.7</td>
<td>326</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>324</td>
<td>100</td>
<td>1,500</td>
</tr>
</tbody>
</table>