

## Population

Communities included in the Arctic Slope region for determining population are those communities served by the North Slope Borough School District. Communities are as follows:

Alpine CDP	Kaktovik city	Prudhoe Bay CDP
Anaktuvuk Pass city	Nuiqsut city	Wainwright city
Atkasuk city	Point Hope city	
Barrow city	Point Lay CDP	

Note: CDP is the U.S. Census Bureau abbreviation for Census Designated Place.

It is estimated that the population of the Arctic Slope region has decreased by 2 percent (-150 people) between Census 2000 and 2003. Almost 73 percent of the Arctic Slope region's population were identified as Alaska Natives, alone or in combination with some other race, for Census 2000. The Alaska Native population is greater than that shown in the following table, but Census 2000 sampling and suppression of data for communities with small populations causes an undercount of the actual population.

32 percent of the Arctic Slope region's total population are of school age (5 to 19 years), but fully 37.1 percent of the region's Native population are of school age.

Table 36  
Arctic Slope Region  
Demographics Profile  
Census 2000 and 2003 Estimates

	Total Population		Alaska Native Alone or in combination with some other race	
	Number	Percent	Number	Percent
<b>Total Population</b>				
2003 estimate	7,222	--	--	--
Census 2000	7,372	--	5,367	72.8%
Change	-150	-2.0%	--	--
<b>Gender (Census 2000)</b>				
Male	3,901	52.9%	2,785	51.9%
Female	3,471	47.1	2,582	48.1
<b>Age (Census 2000)</b>				
< 5 years	704	9.5%	570	10.6%
5 – 14 years	1,640	22.2	1,368	25.5
15 – 19 years	720	9.8	623	11.6
20 – 34 years	1,435	19.5	996	18.6
35 – 44 years	1,233	16.7	776	14.5
45 – 64 years	1,332	18.1	754	14.0
65 or more years	308	4.2	280	5.2

Sources: U.S. Census Bureau and Alaska Department of Labor and Workforce Development.

Note: Total population includes Alaska Natives, alone or in combination with some other race. Age, gender, and ethnicity information is not available from the Department of Labor and Workforce Development's 2003 population estimates.

## School Inventory and Enrollment

Public school enrollment is the count of students enrolled on October 1, 2003 for the 2003-2004 school year. Therefore, students leaving or entering a school after October 1, 2003 are not reflected in the enrollment figure.

There is one school district in the Arctic Slope region, with 10 public schools. Native enrollment represented 83.9 percent of the total 2,065 enrollment for the school year 2003-2004. In the 2002-2003 school year, Alaska Native enrollment had made up 82.6 percent of a total enrollment of 2,115 students.

Alaska Native “students with disabilities” represented 92.0 percent (219 students) of all students enrolled with disabilities (238 students) in the Arctic Slope region.

There were no private schools in the Arctic Slope region that reported enrollments to the Alaska Department of Education and Early Development.

*Table 37  
Arctic Slope Region  
Public School Enrollment by School and Ethnicity  
2003 – 2004 School Year*

District and School Name	Alaska Native		All Other		Total Number
	Number	Percent	Number	Percent	
<b>North Slope Borough Schools</b>					
Alak School	159	99.4%	1	0.6%	160
Barrow High School	229	74.4	79	25.6	308
Eben Hopson Middle School	196	72.3	75	27.7	271
Fred Ipalook Elementary	431	72.1	167	27.9	598
Harold Kaveolook School	81	96.4	3	3.6	84
Kali School	73	94.8	4	5.2	77
Meade River School	85	100.0	-	-	85
Nuiqsut Trapper School	145	100.0	-	-	145
Nunamiut School	84	97.7	2	2.3	86
Tikigaaq School	249	99.2	2	0.8	251
<b>Arctic Slope Total</b>	<b>1,732</b>	<b>83.9%</b>	<b>333</b>	<b>16.1%</b>	<b>2,065</b>
<b>Comparison to Previous Year</b>					
<b>Arctic Slope Totals 2002-2003 School Year</b>	<b>1,747</b>	<b>82.6%</b>	<b>368</b>	<b>17.4%</b>	<b>2,115</b>
<b>Number Change</b>	<b>-15</b>		<b>-35</b>		<b>-50</b>
<b>Percent Change</b>	<b>-0.9%</b>		<b>-9.5%</b>		<b>-2.4%</b>

Source: Alaska Department of Education and Early Development.

## Average Daily Attendance Rates

The Arctic Slope region schools had average daily attendance rates of 89.7 percent for the 2003-2004 school year. This represents a slight increase (+1.5 percent) over the 2002-2003 school year.

The Alaska Department of Education and Early Development measures attendance rates by taking the sum of all days present for all students in a school for the year and dividing this by the sum of all days present and all days absent for all students in a school for the year. This information is not available by ethnicity.

*Table 38  
Arctic Slope Region  
Average Daily Attendance Rates by School  
2001 – 2002, 2002 – 2003, and 2003 – 2004 School Years*

District and School Name	Attendance Rate (percentage)			Percent Change from 2002-2003 to 2003-2004
	2001-2002	2002-2003	2003-2004	
<b>North Slope Borough Schools</b>	<b>88.9%</b>	<b>88.3%</b>	<b>89.7%</b>	<b>+1.5%</b>
Alak School	87.6	87.8	88.9	+1.0
Barrow High School	85.2	84.3	88.2	+4.0
Eben Hopson Middle School	91.1	90.6	90.9	+0.3
Fred Ipalook Elementary*	89.7	88.4	90.5	+2.1
Harold Kaveolook School	92.3	91.0	93.1	+2.1
Kali School	90.1	90.8	92.8	+2.0
Meade River School	91.6	88.1	90.1	+1.9
Nuiqsut Trapper School	85.8	87.9	84.8	-3.1
Nunamiut School	88.8	85.1	88.6	+3.5
Tikigaaq School	90.2	90.1	90.5	+0.3
<b>Arctic Slope Region Average</b>	<b>88.9%</b>	<b>88.3%</b>	<b>89.7%</b>	<b>+1.5%</b>

Source: Alaska Department of Education and Early Development.

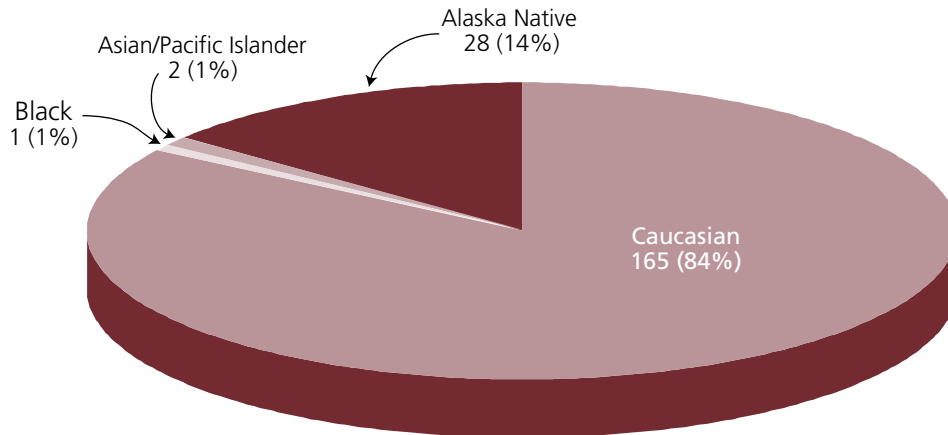
Note: The Fred Ipalook Elementary School was previously known as the Ipalook Elementary School.

## Teacher Ethnicity

There were 196 teachers (including teachers, head teachers, visiting teachers and remedial specialists) in the Arctic Slope region schools for the 2003-2004 school year. Twenty-eight teachers were Alaska Natives, four more Alaska Native teachers than in the 2002-2003 school year.

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Figure 20  
Arctic Slope Region  
Number and Percent of Teachers by Ethnicity  
2003 – 2004 School Year



Source: Alaska Department of Education and Early Development.

## Educator Turnover

For this report, “educator turnover” includes instances in which a superintendent, principal, or teacher changes his or her job classification within the same school (for instance, a teacher becomes a principal) and/or leaves the school where he or she worked from the 2002-2003 school year to the 2003-2004 school year.

The following table provides educator turnover rates, broken out by superintendents and principals combined and by teachers for the one school district that are included in the Arctic Slope region. The category of teachers includes: teacher, head teacher, visiting teacher, and remedial specialist.

Superintendent/principal turnover in the Arctic Slope region was 41.7 percent, and teacher turnover was 29.1 percent.

*Table 39  
Arctic Slope Region  
Educator Turnover by School District  
Between 2002 – 2003 and 2003 – 2004 School Years*

District Name	Teachers			Superintendents/Principals		
	Number Employed	Turnover Number	Turnover Percent	Number Employed	Turnover Number	Turnover Percent
North Slope Borough Schools	196	57	29.1%	12	5	41.7%
<b>Arctic Slope Region Total</b>	<b>196</b>	<b>57</b>	<b>29.1%</b>	<b>12</b>	<b>5</b>	<b>41.7%</b>

Source: Alaska Department of Education and Early Development

## List of Schools Making AYP

Two out of the ten Arctic Slope region schools made adequate yearly progress in the 2003-2004 school year. One school (Kali School) had not made adequate yearly progress in the 2002-2003 school year.

The table below shows which schools in the Arctic Slope region made adequate yearly progress for the school year 2003-2004. This table also indicates whether the school had met AYP in the 2002-2003 school year.

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*Table 40  
Arctic Slope Region  
Public Schools Making AYP by School District  
2003 – 2004 School Year*

School Name and City	Met AYP in 2002-2003 School Year
<b>North Slope Borough Schools</b>	
Harold Kaveolook School, Kaktovik	Yes
Kali School, Point Lay	No

Source: Alaska Department of Education and Early Development

## List of Schools Not Making AYP

The table below shows which eight schools in the Arctic Slope region did not make adequate yearly progress for the school year 2003-2004. This table also indicates whether the school had met AYP in the 2002-2003 school year.

None of these schools had made adequate yearly progress in the 2002-2003 school year, and all are at either Level 2 or Level 3 AYP sanctions. AYP Level Sanctions vary, depending on whether the school is receiving Title I funding. Three of these eight schools are Title I funded schools. See Appendix A for sanctions for schools receiving or not receiving Title I funds.

*Table 41  
Arctic Slope Region  
Public Schools Not Making AYP by School District  
2003 – 2004 School Year*

District and School Name	Title I School	AYP Level 2003-2004 School Year	Annual Measurable Objective Not Met in 2003-2004 School Year	Met AYP in 2002-2003 School Year
			(See Legend Key Below)	
<b>North Slope Borough Schools</b>				
Alak School, Wainwright	Yes	Level 2	LA1, LA3, LA8, LA10, MA1, MA3, MA10	No
Barrow High School, Barrow	No	Level 2	LA1, LA3, LA10, MA10	No
Eben Hopson Middle School, Barrow	No	Level 2	LA3, LA10	No
Fred Ipalook Elementary, Barrow	No	Level 2	LA3, LA10	No
Meade River School, Atkasuk	Yes	Level 2	G1	No
Nuiqsut Trapper School, Nuiqsut	No	Level 3	LA1, LA3, LA8, LA10, MA1, MA3, MA8, MA10, G1	No
Nunamiut School, Anaktuvuk	Yes	Level 3	LA1, LA3, MA1, MA3, G1	No
Tikigag School, Point Hope	No	Level 2	LA1, LA3, LA8, LA10	No
Legend Key:				
P = Participation Rate    LA = Language Arts    MA = Math    A = Attendance    G = Graduation Rate 1 = School as a Whole    2 = African American    3 = Alaska Native    4 = American Indian    5 = Asian 6 = Caucasian    7 = Hispanic    8 = Economically Disadvantaged    9 = Students with Disabilities 10 = Limited English Proficiency				

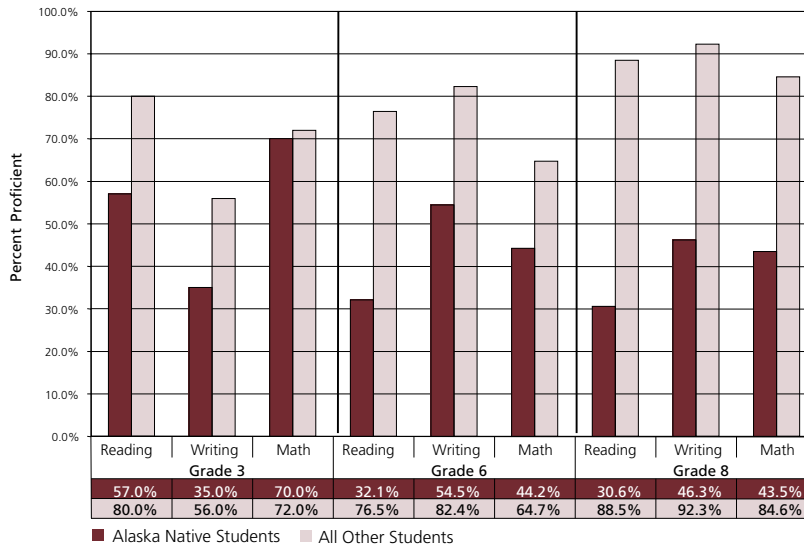
Source: Alaska Department of Education and Early Development

## Benchmark Examinations

The Arctic Slope region consists entirely of the North Slope Borough School district.

The table below shows the benchmark examination results for students enrolled in the third, sixth, and eighth grades. Alaska Native students have significantly lower test results for all grades and subjects than do students of all other ethnicities combined.

Figure 21  
Arctic Slope Region  
Benchmark Examination Results by Ethnicity, 2003 – 2004 School Year



Source: Alaska Department of Education and Early Development.

Comparisons of Arctic Slope region benchmark examination results between the 2002-2003 and 2003-2004 school years for Alaska Native student performance are found in the table below. The two school years may not be directly comparable because some data were withheld, if they might have revealed an individual student's performance. Other variables may include opening and closing of schools within regions and varying student populations for Grades 3, 6, and 8.

Table 42  
Arctic Slope Region  
Benchmark Examination Results for Alaska Native Students  
2002 – 2003 and 2003 – 2004 School Years

School Year	Grade 3			Grade 6			Grade 8		
	Reading	Writing	Math	Reading	Writing	Math	Reading	Writing	Math
2003 - 2004	57.0%	35.0%	70.0%	32.1%	54.5%	44.2%	30.6%	46.3%	43.5%
2002 - 2003	52.1%	36.8%	55.9%	33.3%	47.6%	39.9%	24.4%	44.6%	44.6%
Changes (%)	+4.9%	-1.8%	+14.1%	-1.2%	+6.8%	+4.4%	+6.2%	+1.6%	-1.1%

Source: Alaska Department of Education and Early Development.

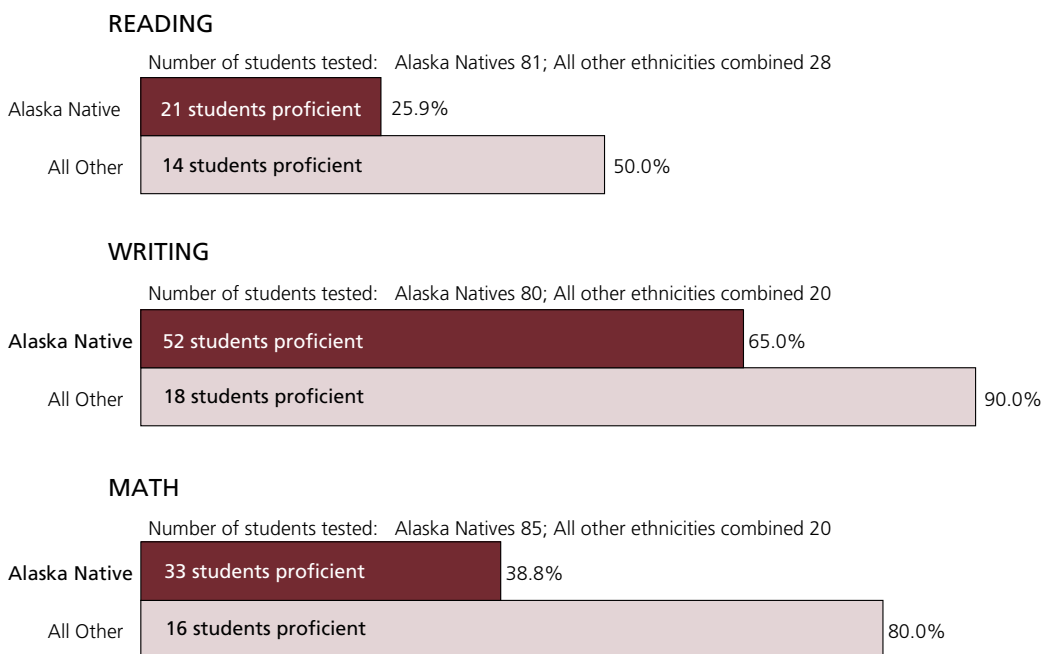


## High School Graduation Qualifying Examinations

Students are required to pass the Alaska High School Graduation Qualifying Examination in order to receive high school diplomas. Students can begin taking the exam in their sophomore years and are eligible to retake the exam as juniors and seniors for any un-passed portions of the test. Students are offered retests in both the spring and fall of their junior and senior years. Those who do not pass the High School Graduation Qualifying Examination will be denied diplomas and will receive Certificates of Achievement instead.

In the Arctic Slope region, significantly lower percentages of Alaska Native students were proficient in the subject areas tested, when compared to all other students.

Figure 22  
Arctic Slope Region  
High School Graduation Qualifying Exam Proficiency Results  
for Grade 10 Test-takers, by Ethnicity  
2003 – 2004 School Year



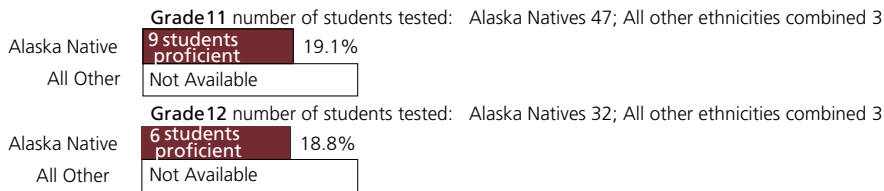
Source: Alaska Department of Education and Early Development

Note: Proficiency is based on a percent of students who took the test and is not based on enrollment.

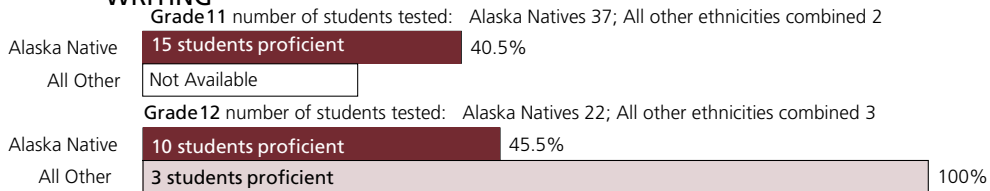
Arctic Slope region High School Graduation Qualifying Examination results were compiled for the ethnicities and schools that had available data. Some re-testing results for students in the 11th and 12th grades were not available because some data may have revealed an individual student's performance.

Figure 23  
Arctic Slope Region  
High School Graduation Qualifying Exam Proficiency Results  
for Grade 11 and 12 Re-Testers, by Ethnicity  
2003 – 2004 School Year

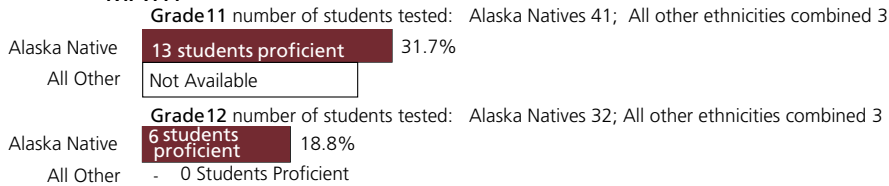
**READING**



**WRITING**



**MATH**



Source: Alaska Department of Education and Early Development

Note: Proficiency is based on a percent of students who took the test and is not based on enrollment.

## High School Graduation Rates

In the 2003-2004 school year, the Arctic Slope region graduation rate for all students was 53.3 percent. Alaska Native students graduated at a rate of 49.0 percent, compared to 79.2 percent for all other ethnicities combined.

A graduate is defined as a student who has received a regular diploma from a state- or district-approved education program, as evidenced by receipt of a secondary school diploma from school authorities. Any student who receives a diploma under a waiver from the competency examination required in AS 14.03.075 (a), as specified by the state board, is considered to be a graduate. This does not include an individual who receives a Certificate of Achievement.

The No Child Left Behind Act requires the Alaska Department of Education and Early Development to adopt a cohort method for determining high school graduation rates. Beginning in the 2002-2003 school year, the Department switched to a new cohort method to measure the relative percent of students that graduate from high school in four years. For the 2003-2004 school year graduation rate indicator, the cohort includes all students starting high school (Grade 9) in the 2000-2001 school year through their graduation scheduled four years later in the 2003-2004 school year.

The graduation rate formula used by the Alaska Department of Education and Early Development is:

$$\begin{array}{l}
 \text{Number of Graduates (2003-2004)} \\
 \hline
 \text{Number of Graduates (2003-2004)} \\
 + \text{ Number of Continuing 12th Grade Students (2003-2004)} \\
 + \text{ Number of 12th Grade Drop-outs (2003-2004)} \\
 + \text{ Number of 11th Grade Drop-outs (2002-2003)} \\
 + \text{ Number of 10th Grade Drop-outs (2001-2002)} \\
 + \text{ Number of 9th Grade Drop-outs (2000-2001)}
 \end{array}$$

It is important to note there are some limitations with this new methodology. For instance, a student that graduated in five years, rather than four years, would be counted in the next cohort of students. A student that graduates in three years, instead of four, would be counted in the prior cohort. Additionally, in the 2000-2001 and 2001-/2002 school years, student-level information was submitted with anonymous information that could not be linked directly with specific students. The Department had no way to check for duplication or to see that the ethnic codes are valid for those two years.

Table 43  
 Arctic Slope Region  
 High School Graduation Rates by School and Ethnicity  
 Cohort of 2000-2001 through 2003 – 2004 School Years

District and School Name	Alaska Natives				All Other Ethnicities			
	Number of Graduates	Continuing Students*	Drop-Outs 2001-2004**	Graduation Rate***	Number of Graduates	Continuing Students*	Drop-Outs 2001-2004**	Graduation Rate***
<b>North Slope Schools</b>								
Alak School	9	3	3	60.0%	-	-	-	-
Barrow High School	37	8	32	48.1	19	1	3	82.6%
Harold Kaveolook School	6	-	-	100.0	-	-	-	-
Kali School	4	-	2	66.7	-	1	-	0.0
Meade River School	-	-	4	0.0	-	-	-	-
Nuiqsut Trapper School	1	3	4	12.5	-	-	-	-
Nunamiut School	1	1	4	16.7	-	-	-	-
Tikigaaq School	12	2	7	57.1	-	-	-	-
<b>Arctic Slope Region Total</b>	<b>70</b>	<b>17</b>	<b>56</b>	<b>49.0%</b>	<b>19</b>	<b>2</b>	<b>3</b>	<b>79.2%</b>

Source: Alaska Department of Education and Early Development.

Notes: \* Continuing 12th Grade students include students who did not graduate in the 12th year but remained enrolled in school to complete course work toward graduation in the following year(s).

\*\* Includes a sum of total student drop-outs from the 2000-2001, 2001-2002, 2002-2003, 2003-2004 school years.

\*\*\* Graduation rates are calculated using the following formula: Number of Graduates ÷ (Number of Graduates + Number of Continuing Students + Number of Drop-outs (2000/2001 to 2003/2004)).

## Drop-Out Rates

A drop-out is defined as a student who was enrolled in the school at some time during the school year and left the school at some time during that same school year.

Arctic Slope region drop-out rates are displayed in the following table for the 2003–2004 school year. Reporting, calculating, and interpreting drop-out rates are subject to error and should be viewed with some caution, when reported at the region and school district levels. Drop-out rates do not directly correspond to high school graduation rates because graduation rates use a cohort method of calculation (over the past four years), rather than a single-year event, and do not include 7th and 8th grades.

The drop-out rate for Alaska Native students in the Arctic Slope region for grades 7 through 12 was 7.2 percent for the 2003-2004 school year. This compares to all other students in the Arctic Slope region who dropped out at a rate of 1.4 percent.

When compared to 2001-2002 school year drop-out figures, it appears that drop-outs have increased for the region.

*Table 44  
Arctic Slope Region  
Drop-Out Rates for Grades 7 through 12 by School and Ethnicity  
2001-2002 and 2003 – 2004 School Year*

District and School Name	Alaska Native Students			All Other Students			Total Students		
	Enrollment	Drop-outs	% Drop-outs	Enrollment	Drop-outs	% Drop-outs	Enrollment	Drop-outs	% Drop-outs
<b>North Slope Borough Schools</b>									
Alak School	73	4	5.5%	0	0	-	73	4	5.5%
Barrow High School	229	30	13.1	79	2	2.5%	308	32	10.4
Eben Hopson Middle School	142	0	0.0	57	0	0.0	199	0	0.0
Harold Kaveolook School	36	1	2.8	1	0	0.0	37	1	2.7
Kali School	33	8	24.2	3	0	0.0	36	8	22.2
Meade River School	29	3	10.3	0	0	-	29	3	10.3
Nuiqsut Trapper School	76	4	5.3	0	0	-	76	4	5.3
Nunamiut School	27	1	3.7	1	0	0.0	28	1	3.6
Tikigaq School	110	3	2.7	1	0	0.0	111	3	2.7
<b>Arctic Slope Region Total</b>	<b>755</b>	<b>54</b>	<b>7.2%</b>	<b>142</b>	<b>2</b>	<b>1.4%</b>	<b>897</b>	<b>56</b>	<b>6.2%</b>
<b>Comparison to 2001-2002 School Year</b>									
<b>Arctic Slope Totals 2001-2002 School Year</b>	714	29	4.1%	160	1	0.6%	874	30	0.0%
<b>Number Change</b>	+41	+25		-18	+1		+23	+26	
<b>Percent Change</b>	5.7%	+86.2%		-11.3%	100.0%		+2.6%	+86.7%	

Source: Alaska Department of Education and Early Development.