SUPPORTING TRANSITIONS AND EDUCATIONAL PROMISE SOUTHEAST ALASKA (STEPS AK)
BIRTH
Experiences at a young age affect brain development.

KINDERGARTEN
Early learning provides a foundation for future success.

3RD GRADE
Students move from learning to read to reading to learn.

8TH GRADE
Transition to high school is successful.

12TH GRADE
High school graduation puts students on a path toward continued growth.

POST SECONDARY
A step forward toward career readiness.
DATA

* Adverse Childhood & Community Experiences (ACES/ACCES) Nationally, Statewide and Regionally

* Community Dialogues

* Climate and Connectedness (Protective Factors)

* Youth Risk Behavior Survey

* Health and Educational Outcome Data

* Others
WHAT ARE THE EXPERIENCES of SE ALASKA STUDENTS?
Graduation Rates/ Grade Level

- Increase in Graduation Rates for All Student (80.1%) including Alaska Native and Mixed Race/Alaska Native Students 75% in participating schools.
- Reading levels (62.4/27%) and math scores (25%/16.1) are persistently low
- Which in turn has impact on post-secondary enrolment and completion with 5 years.
Some 44.1% of Southeast Alaskans have two to four adverse Childhood experiences, with more than 40% of children growing up with substance abuse in the household.

In Alaska Native families within Southeast Alaska, 71.6% have one ACE or more. This is significantly higher than national averages, and requires tremendous resiliency for students to thrive.

To reverse this trend, Southeast Alaska needs cradle-to-career supports that increase safety and allow students to participate fully in employment and educational opportunities.
ADVERSE CHILDHOOD EXPERIENCES IN ALASKA
As the number of ACEs increase, so does the risk for negative health outcomes.

Risk

0 ACEs  1 ACE  2 ACEs  3 ACEs  4+ ACEs

Based on Robert Wood Johnson Infographic at http://www.rwjf.org/en/about-rwjf/newsroom/newsr.com/content/2013/05/Infographic-The-Truth-About-ACEs.html
Percentage of Children and Youth (Ages 6-17) Who Always or Usually Stay Calm When Faced by a New Challenge by ACE Score*

*The comparison between Alaska and the 50 states combined does not necessarily indicate a statistically different level of outcome between the two populations but is displayed to show the similarity between the two samples. N=With Condition/Total. N for Alaska= 861/1,220, N for US = 43,662/64,754

Percentage of Children and Youth (Ages 6-17) Who Always or Usually Care About Doing Well in School by ACE Score

<table>
<thead>
<tr>
<th>Population</th>
<th>Zero</th>
<th>One</th>
<th>Two-Three</th>
<th>Four Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska</td>
<td>89.3%</td>
<td>84.3%</td>
<td>79.7%</td>
<td>71.7%</td>
</tr>
<tr>
<td>50 States Combined</td>
<td>90.7%</td>
<td>85.7%</td>
<td>79.8%</td>
<td>73.2%</td>
</tr>
</tbody>
</table>

Average Number of Missed Days of School for Children (Ages 6-17) in the Previous 12 Months by ACE Score*

Population

- Alaska
  - Zero: 3.6
  - One: 4.5
  - Two-Three: 5.2
  - Four Plus: 6.3

- 50 States Combined
  - Zero: 3.1
  - One: 3.9
  - Two-Three: 4.6
  - Four Plus: 5.3

*The comparison between Alaska and the 50 states combined does not necessarily indicate a statistically different level of outcome between the two populations but is displayed to show the similarity between the two samples. N for Alaska = 1,197, N for US = 63,857
Alaskan Children Who Experienced Bigotry or Racism by ACE Score

ACEs Impact - Alaska

Source: Alaska data from the 2013 Alaska Behavioral Risk Factor Surveillance System, Alaska Department of Health and Social Services, Division of Public Health, Section of Chronic Disease Prevention and Health Promotion
<table>
<thead>
<tr>
<th>Adverse Childhood Experience*</th>
<th>Alaska</th>
<th>Arkansas</th>
<th>Louisiana</th>
<th>New Mexico</th>
<th>Tennessee</th>
<th>Washington</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abuse Percentages</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Emotional/Verbal</td>
<td>31.0</td>
<td>24.3</td>
<td>21.1</td>
<td>28.1</td>
<td>19.2</td>
<td>34.9</td>
</tr>
<tr>
<td>Physical</td>
<td>19.1</td>
<td>14.1</td>
<td>10.5</td>
<td>19.5</td>
<td>12.9</td>
<td>18.1</td>
</tr>
<tr>
<td>Sexual</td>
<td>14.8</td>
<td>10.9</td>
<td>9.9</td>
<td>12.9</td>
<td>12.7</td>
<td>13.5</td>
</tr>
<tr>
<td><strong>Household Dysfunction Percentages</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mental Illness in the Home</td>
<td>21.9</td>
<td>17.0</td>
<td>16.6</td>
<td>19.4</td>
<td>17.1</td>
<td>24.3</td>
</tr>
<tr>
<td>Incarcerated Family Member</td>
<td>11.5</td>
<td>5.5</td>
<td>7.2</td>
<td>7.1</td>
<td>8.6</td>
<td>6.6</td>
</tr>
<tr>
<td>Substance Abuse in Home</td>
<td>33.8</td>
<td>25.5</td>
<td>26.6</td>
<td>29.9</td>
<td>28.3</td>
<td>32.7</td>
</tr>
<tr>
<td>Separation or Divorce</td>
<td>31.7</td>
<td>23.3</td>
<td>27.1</td>
<td>24.4</td>
<td>29.1</td>
<td>26.0</td>
</tr>
<tr>
<td>Witnessed Domestic Violence</td>
<td>18.7</td>
<td>15.1</td>
<td>14.5</td>
<td>18.9</td>
<td>17.1</td>
<td>16.6</td>
</tr>
</tbody>
</table>

Source: Alaska data from the 2013 Alaska Behavioral Risk Factor Surveillance System, Alaska Department of Health and Social Services, Division of Public Health, Section of Chronic Disease Prevention and Health Promotion
Source: Five States Study data from the Centers for Disease Control and Prevention, Adverse Childhood Experiences Reported by Adults --- Five States, 2009, [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5949a1.htm](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5949a1.htm)
PROTECTIVE FACTORS: RESILIENCY CAN TRUMP ACES
“IT WAS SUCH AN “AHA” MOMENT ...WE CAN EQUAL THE SIDES. I PROBABLY CANNOT DO TOO MUCH ABOUT THE RISK FACTORS, BUT I CAN ADD TO THE PROTECTIVE FACTORS AND THAT CAN BALANCE THE SCALE. I ALSO WAS FASCINATED BY THE DATA HAT SHOWED A STUDENT WITH HIGH RISK FACTORS AND HIGH PROTECTIVE FACTORS COULD OUT PERFORM A STUDENT WITH LOW RISK FACTORS BUT LOW PROTECTIVE FACTORS. AGAIN, IT IS PROOF THAT I CAN DO SOMETHING TO HELP AND I NO LONGER NEED TO FEEL FRUSTRATED.” - EDUCATOR
in 2016-2017, 16.7% of children entered kindergarten at developmentally appropriate levels and

12.9% of children entered kindergarten at developmentally appropriate levels in 2015-2016.
Total #s for STEPS Communities

36.5% proficiency in language arts and

26.3% in math. Alaska Native student proficiency rates for English Language Arts average

21% with the average

14% in math with some schools.
If we carry intergenerational trauma (and we do), then we also carry intergenerational wisdom. *It's in our genes and in our DNA.*

— Kazu Haga
DIALOGUES:
Community Values
Ways of Teaching and Learning
Place Based & Culture Based Education
School and Community Partnerships
Ways of Life and Activities
School Climate and Environment
Opportunities and Leadership for Youth
QUESTION
› I have a strong sense of belonging to my culture.
49% responded favorably
from 2017 School Climate & Connectedness Survey

QUESTION
› In general, my culture is an important part of my self-image.
46% responded favorably

QUESTION
› My school teaches about the history and culture of people who live in my community.
58% responded favorably

QUESTION
› My school values the language and culture of my family.
50% responded favorably

QUESTION
› My teachers make an effort to represent my culture in class lessons.
32% responded favorably

QUESTION
› I see my family’s culture represented in class lessons, materials, posters, and art around the school, etc.
31% responded favorably
PREVENTING TRAUMA
HEALING FROM TRAUMA
STRENGTHENING RESILIENCY
Cradle to Career: Building the Pipeline

More than 40 solutions carried out by 25 partners in Angoon, Hoonah, Hydaburg, Juneau, Kake, Klukwan, Sitka,

STEPS ALASKA