## Background Information
- It is estimated that 3-10% of Alaska Native people have CSID, but exact prevalence is unknown.
- There is a mutation present in people from Arctic regions that results in a complete lack of enzyme activity.
- Higher prevalence of CSID is seen along the western coast of the state, especially Yup’ik and Inupiaq people.
- CSID is an autosomal recessive (homozygous) disorder, but heterozygote carriers may also be symptomatic.
- ANTHC has a CSID Program to provide education and support for patients, families, and providers.*
- Click [here](#) to access the Pocket Guide to Alaska Native Pediatric Diagnoses.

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Osmotic diarrhea</th>
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<tbody>
<tr>
<td></td>
<td>Abdominal pain &amp; distention</td>
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</table>

Symptoms vary between affected individuals depending on the amount of sucrose and/or starch consumed and other unknown factors.

### Other Considerations
- Can onset of symptoms be traced back to introduction of table foods?
- Breast and most formula fed infants are asymptomatic.
- Is there a family history of intolerance or “allergy” to sugar?
- Are symptoms worse when eating store bought foods versus Alaska Native traditional foods?

## Symptoms

- Malnutrition
- Failure to thrive

Symptoms vary between affected individuals depending on the amount of sucrose and/or starch consumed and other unknown factors.

### Other Considerations
- Genetic screen (blood) through the University of Washington.
- Click [here](#) for CSID test requisition form.
- Check “circumpolar 5-mutation panel” to ensure testing for the mutation common to the Alaska Native population.
- This test is not covered by Medicaid.
- Cost: $1111
- 4 week turnaround for results.

## Medication Management

- Sacrosidase (Sucraid®): enzyme replacement for sucrase.
  - Taken with each meal and snack that contain sucrose.
  - Dosage is weight dependent.
  - Requires refrigeration.
  - Most private insurance covers Sucraid®.
  - For Medicaid or IHS recipients, refer patient to ANTHC’s Tribally Sponsored Health Insurance Program (TSHIP). See TSHIP section.
  - If prescribing for patients located in the Anchorage Service Unit, click [here](#) for instructions.
  - If prescribing for patients in the Utqiagvik, Kotzebue, and Nome Service Unit, check for Sucraid® availability with the local pharmacy.

## Prescribing Sucraid®

- ANTHC sponsors eligible individuals for health insurance coverage.
- Covers the cost of Sucraid®.
- 2-6 week period between enrollment and effective coverage.
- Does not provide retroactive coverage.
- Refer patient to TSHIP by calling 729-2935. A Health Benefits Specialist will work with the patient for eligibility verification and enrollment.

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### Tribally Sponsored Health Insurance Program (TSHIP)

- ANTHC sponsors eligible individuals for health insurance coverage.
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- 2-6 week period between enrollment and effective coverage.
- Does not provide retroactive coverage.
- Refer patient to TSHIP by calling 729-2935. A Health Benefits Specialist will work with the patient for eligibility verification and enrollment.

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### References:

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*For questions or assistance, contact ANTHC’s CSID Outreach and Education Coordinator at 729-3628.*