

**Summary of Alaska Nutrition Research Projects underway at ICHS
July 2002**

Title	Funding Source	Cooperating Organizations/ Key People		
<p>Alaska Traditional Diet Project (ATDP)</p>	<p>Agency for Toxic Substance Disease Registry (ATSDR), ANHB</p>	<p>ANHB, ICHS, IDM Consulting</p> <p>Alaska Native Health Board- Mike Bradley, Angela Ross</p> <p>Betsy Nobmann – holds nutrition contract</p> <p>Subcontract to ICHS - Kari Hamrick</p>	<p>GOALS</p> <p>Develop a Core and regional food frequency tools to compare regional use patterns of indigenous Alaska foods, ascertain the main subsistence foods for estimating source of potential contaminants, increase the knowledge base as to regional food habits</p>	<p>DESCRIPTION</p> <p>FFQ tool has been developed using harvest data and consultation with participating communities. A “core” group of food was organized, and supplemented with regional food lists. Data collected in 3 eco-cultural regions (Arctic/sub-arctic, Interior/Yukon, Southeast). Trained local residents are collecting data under agreements from village tribal councils with ANHB.</p>
<p>COBRE “CANHR” Center for Alaska Native Health Research</p>	<p>NIH Centers for Biomedical Research Excellence – Intra-structure building (COBRE) Grant to UAF-UAA system</p>	<p>UAF co-investigators Jerry Mohatt Bert Boyer Cecile Lardon Scarlett Hutchinson Alisa Jenny</p> <p>YKHC Research Partner and participating community work groups</p> <p>UAA Kari Hamrick Janell Smith Brian Saylor Carl Hild Donna Burgess</p>	<p>GOALS</p> <p>Examine co-existing factors that contribute to body weight in Yup’ik communities:</p> <p>Communities to be determined in cooperation with Yukon Kuskokwim Health Corporation, and village councils and/or tribal entities</p>	<p>DESCRIPTION</p> <p>Year 1: UAA IRB and YKHC Human Studies/Board have approved, moving through AK Area IRB process for formative research phase.</p> <p>Year 2 Data collection. Food intake, (24 hour recall and/or Regional FFQ) energy expenditure, anthropometrics (HT, WT, waist to hip ratio), percent body fat, knowledge/ attitudes toward body weight and diet. Information to be used in combination with biochemistry and cultural projects.</p> <p>Years 3-5 Disseminate results, develop health education tools and consult on health intervention program</p>

<p>NARCH Native American Research Center for Health</p>	<p>Indian Health Service (IHS) /National Institute of General Medical Sciences (NIGMS), of NIH</p> <p>Grant to Alaska Native Tribal Health Consortium</p>	<p>ANTHC Jim Berner, MD, Co-PI Katy Taylor, RN, Project Coordinator</p> <p>Subaward to UAA-ICHS Kari Hamrick, PI Janell Smith</p> <p>John Hopkins School of Public Health - Parul Christian</p> <p>CDC/ AIP</p> <p>Village Research Coordinators- Carla Willetto, Sarah Angstman</p>	<p>GOALS</p> <p>Investigate the influence of maternal nutrition on pregnancy and infant outcomes. Prospective cohort will include pregnant Alaska Native women from North Slope Borough, YK Delta and Aleutian/Pribilof Islands. This is an addendum nutrition study to the Maternal Cord Blood Monitoring Program.</p>	<p>DESCRIPTION</p> <p>Detailed nutrient intakes to increase knowledge of benefits of traditional diet during pregnancy.</p> <p>FFQ to look at food patterns before age 13, and food habits after age 13. Three One day food dairies collected at 1st prenatal visit 34-36 weeks gestation</p> <p>Obstetrical outcome variables, maternal anthropometrics and maternal blood micronutrient levels will also be investigated.</p>
<p>Dietary Benefits and Risks in Alaskan Villages</p>	<p>NIH – NIEHS (National Institute of Environmental Health Sciences) Environmental Justice Grant</p> <p>Grant to APIA, subcontract to ICHS</p>	<p>APIA Mike Brubaker, Sue Unger Leslie Shallcross</p> <p>ICHS – Kari Hamrick Graduate Student</p> <p>Technical Advisory Committee Work Groups</p>	<p>GOALS</p> <p>Determine dietary intake of indigenous food sources to create a risk benefit model of possible dietary exposure to contamination.</p> <p>From a list of most frequently consumed foods, foods will be selected to be analyzed to determine contaminant and nutrient levels of those foods.</p>	<p>DESCRIPTION</p> <p>Food intake data initially collected from Atka in 1999 along with narrative statements of food harvesting/food safety concerns.</p> <p>Currently data being collected in St. Paul – 24 hour recalls and Food Frequencies used to increase validity.</p>

<p>RESOLVE (non-profit agency dealing with community environmental concerns, office in Washington DC)</p>	<p>Citizen's Monitoring & Technical Assessment Fund granted to APIA</p>	<p>APIA Bob Patrick Leslie Shallcross</p> <p>ICHS contract Kari Hamrick Janell Smith</p>	<p>GOALS</p> <p>Collect intake data by species and amounts as part of process to develop benefits/risk model of nutrient intake and possible contaminants.</p>	<p>DESCRIPTION</p> <p>Collect and analyze food intake from 24 hour recalls and FFQ in two additional communities of Nikolski and Unalaska offering the opportunity to compare food intake data from St. Paul and Atka</p>
<p>CRESP (Consortium for Risk Evaluation with Stateholder Participation)</p> <p>Amchitka Island Long Term Stewardship</p>	<p>Independent institutional competitive cooperative agreement from Department of Energy (DOE)</p> <p>Award to UAF, sub-award to ICHS</p>	<p>UAF- David Barnes John Eichelberger John Kelley</p> <p>ICHS – Kari Hamrick Carl Hild Graduate Student</p> <p>ADEC- Doug Dasher</p> <p>APIA- Bob Patrick</p>	<p>GOALS</p> <p>Collect historical information to combine with nutritional data currently being collected in the Aleutian/Pribilof Islands. Purpose is to examine the current and long-term impacts from the Amchitka Underground Nuclear Test Area to the local terrestrial, near and far-field marine environment, and human health.</p>	<p>DESCRIPTION</p> <p>Extensive library search, qualitative analyses and report of findings to develop a long-term stewardship plan for Amchitka Island</p>