GET INVOLVED WITH CHL

We want to partner with parents, caregivers, teachers, community leaders, and other agencies to create sustainable change at the community level that supports healthy eating and physical activity for young children ages 2-8 years across the Pacific.

You can get involved by first visiting the CHL Program website at www.CHL-Pacific.org to learn more about the CHL Program or by contacting project staff at one of the partner sites listed on the back panel.

CONTACT CHL

Alaska
University of Alaska Fairbanks
Center for Alaska Native Health Research
Dr. Andrea Bersamin  |  907.474.6129
abersamin@alaska.edu

American Samoa
American Samoa Community College
Community and Natural Resources
Dr. Don Vargo  |  684.699.1394 x234
donvargo@rocketmail.com
Mr. Aufa’i Ropeti Areta  |  684.699.1575
aareta@yahoo.com

Commonwealth of the Northern Mariana Islands
Northern Marianas College
Cooperative Research, Extension and Education Service
Dr. Jang Ho Kim  |  670.234.5498 x1715
jangk@nmcnet.edu

Freely Associated States of Micronesia
  • Federated States of Micronesia
  • Republic of the Marshall Islands
  • Republic of Palau
c/o University of Hawai’i at Manoa
Dr. Jonathan Deenik  |  808.956.6906
jdeenik@hawaii.edu

Guam
University of Guam
College of Natural and Applied Sciences
Dr. Rachael Leon-Guerrero  |  671.735.2026
rachaeltlg@uguam.uog.edu

Hawai’i
University of Hawai’i at Manoa
College of Tropical Agriculture and Human Resources
Dr. Rachel Novotny  |  808.956.3848
novotny@hawaii.edu

www.CHL-Pacific.org

This project is supported by the Agriculture and Food Research Initiative Grant no. 2011-68001-30335 from the USDA National Institute of Food and Agricultural Science Enhancement Coordinated Agricultural Program.

All photos courtesy of the UHM Center on the Family, except child in snow and by river courtesy of Ronald Standlee Strom.
GET TO KNOW CHL

The Children’s Healthy Living Program for Remote Underserved Minority Populations in the Pacific Region (CHL) is a partnership among remote Pacific states and other jurisdictions of the US: Alaska, American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Hawai‘i, the Republic of the Marshall Islands, and the Republic of Palau. CHL started in 2011. These jurisdictions have US Land Grant Colleges, which have united in the Pacific Land Grant Alliance (PLGA), providing an operational framework for CHL.

We are combining efforts to:
• train a public health nutrition workforce
• conduct public health nutrition research
• develop a food, nutrition, and physical activity data-management and -evaluation system
• communicate nutrition- and health-related information to the public

With no US National Nutrition monitoring (e.g., NHANES) in these jurisdictions, not even in the states of Alaska and Hawaii, the information we obtain through CHL will guide future children’s obesity-prevention programs and policies.

The goal of this Food and Agricultural Science Enhancement (FASE) Coordinated Agricultural Program (CAP) among Pacific Region USDA-defined Experimental Program for Stimulating Competitive Research (EPSCoR) states/jurisdictions is to build social/cultural, physical/built, and political/economic environments that will promote active play and intake of healthy food to prevent young children’s obesity in the Pacific Region. To do this, CHL will engage the community, and focus on capacity building and sustainable environmental change. CHL will serve as a model for other regions with remote underserved Native populations at risk for obesity.


CHL PROGRAM OBJECTIVES

1. Conduct jurisdiction-level program and data inventories and situation analysis.

2. Provide degree training for 22 Pacific professionals and paraprofessionals in obesity and related fields.

3. Develop a Pacific food, nutrition, and physical activity data-management and -evaluation system.

4. Develop and conduct community-based “environmental” interventions to prevent or decrease young children’s overweight and obesity.

5. Evaluate the effectiveness of community-based “environmental” intervention efforts.

6. Introduce, enhance, and/or support policies for healthy eating and physical activity for 2- to 8-year-old children.
News and Summary Information

Children’s Healthy Living Program for Remote Underserved Minority Populations of the Pacific (CHL)

A partnership among Alaska, American Samoa, CNMI, Guam, Hawaii & Freely Associated States of Micronesia (Federated States of Micronesia - Chuuk, Kosrae, Palau, Yap; Marshall Islands; Palau)

Funded by USDA/AFRI/NIFA Grant, 2011-68001-30335, (Novotny)

Research

New peer reviewed papers, found below.

The CHL intervention design paper has been getting a lot of attention, including an award on the RE-AIM approach to interventions. Associated links below.


http://www.biomedcentral.com/1471-2458/13/944

http://re-aim.org/

Other Peer Reviewed Publications

Team. A community engagement process identifies environmental priorities for change to prevent early childhood obesity in the Children's Healthy Living Program for Remote Underserved Populations in the Pacific Region (CHL). Matern Child Health J. 2013 Sep 17. [Epub ahead of print]


Conference Abstract Publication


Oral Presentations


Vargo D. Children's Healthy Living Program in American Samoa. American Samoa Community Cancer Coalition. August 8, 2013.

Poster Presentations


Baseline data collected for intervention program

Based on estimates from October 15, 2013, the total number of child participants in the intervention baseline measurement collection across the 5 participating jurisdictions is 3,919 as below:

Alaska: 382 children had anthropometry measurements taken, 348 children wore an actical, 373 have completed a Food and Activity Log

American Samoa: 802 children had anthropometry measurements taken, 468 children wore an actical, 460 have completed a Food and Activity Log

CNMI: 924 children had anthropometry measurements taken, 450 children wore an actical, 540 have completed a Food and Activity Log

Guam: 784 children had anthropometry measurements taken, 365 children wore an actical, 649 have completed a Food and Activity Log
Hawaii: 971 children had anthropometry measurements taken, 416 children wore an actical, 443 have completed a Food and Activity Log

The remaining jurisdictions are also collecting similar data to constitute a Prevalence Survey for each Jurisdiction.


Intervention

The input and priorities elicited from the community during the situational analysis process, as well as published best practices for improving the target behaviors of fruit, vegetable, water, and sugar-sweetened beverage intake as well as physical activity, sleep and sedentary behavior, were translated into 6 CHL intervention strategies. These strategies are related to: policy for healthy eating and physical activity; engaging children in growing and eating local healthy foods; training role models; increasing access for children to be active; increasing access to good water; and providing other education and training related to CHL target behaviors. The following 4 cross-cutting functions leads strategy implementation: review assessment data for the policy and physical environment; partner and advocate for environmental change; promote the CHL message; and train the trainers. Jurisdictions are currently implementing community-based intervention strategies in each of these functions. Monthly progress reports are used to track progress.

CHL intervention activities that delivered science-based knowledge to people in our communities included:
- Providing nutrition and physical activity inspired training sessions to community members, organizations, teachers and students
- Providing role model training to community members
- Conducting culturally-based events, such as the Makahiki, to relay on CHL messages to the communities in culturally appropriate ways.
- Support events (e.g., Field Days, Walks, Childhood Obesity Awareness Month) that share CHL message
- Use of Social Marketing as a dissemination tool
- Provided data on the community assessment findings to identify built environment improvements (e.g. a community park) in CNMI

**CHL Products**

- The CHL newsletter is distributed quarterly (12 issues to date) to a listserv of 400 emails.

- The CHL webpage is a primary resource of information, especially related to the training program, and point of contact for the public. Since July 2013 we have had 1907 unique visits to the site in which 63% of those were new visitors. Visitors spent on average 2 minutes and 46 seconds on the website with 2.8 pages on average viewed per visit.

- CHL Master Role Modeling Manual developed to accompany CHL Master Role Modeling Workshop

- CHL Role Modeling Kit developed to accompany CHL Role Modeling Workshop

- Physical Activity and Nutrition Manual updated for Alaska

- CHL Food Cost Survey developed

- Tools for inventorying and assessing the food store, restaurant, parks, and churches were adapted from previously validated tools for CHL
- Physical Activities Information Sheet developed for Early Childhood Centers in Alaska

- Food and Activity Tutorial DVD for use in the CNMI

- Guam Gardening Curriculum products including power point presentations and publications on "Raised Beds and Container Gardening", a four module curriculum and a reference guide on "Starting your Garden" which include topics on soil management, container gardening, propagation by cuttings and seeds, mulching, sheet mulching, raised beds, composting, and water in the garden.

- Demonstration gardens in Guam

- Gardens created at schools, homes, and transitional shelter in Hawaii

Training

We have a full cohort of 22 degree seeking CHL Trainees, representing each CHL jurisdiction, including each state of FSM studying at University of Alaska, University of Guam and University of Hawaii.

Current CHL Training Students by site, institution and degree program:

Alaska

Tara Stiller, University of Alaska Anchorage, MPH

Ron Standlee-Strom, University of Alaska Fairbanks, MS in Natural Resources Management

American Samoa

Marietta Lafaele, University of Hawai`i, BS in Food Science and Human Nutrition

Aifili Tufa, University of Hawai`i, PhD in Public Health
Commonwealth of the Northern Mariana Islands (CNMI)

Rose Castro, University of Alaska Anchorage, Master of Public Health (MPH) online Patricia Coleman, University of Alaska Anchorage, Master of Public Health (MPH) online

Freely Associated States of Micronesia (FAS)

Ivenglynn Andon (Pohnpei), University of Guam, BS in Health Sciences
Kimberly Areieta (Marshalls) University of Guam, BSN in Nursing
Lilian Billimon (Chuuk), University of Guam, BS in Health Sciences
Joachim Castro (Chuuk), University of Hawai`i, BS in Food Science and Human Nutrition
Samuel Foulchag (Yap), University of Hawai`i, BS in Food Science and Human Nutrition
Trisha Johnson (Pohnpei), University of Hawai`i, BS in Food Science and Human Nutrition
Shra Kedi (Marshalls) University of Hawai`i, BS in Food Science and Human Nutrition
Edumyle Otobed (Palau), University of Hawaii, Kapiolani Community College, AS in Liberal Arts
Evigan Sengebau (Palau), University of Guam, BS in Health Sciences
Neelma Skilling (Kosrae), University of Hawai`i, BS in Human Nutrition, Food, and Animal Sciences (HNFAS)
Renny Glenn Taiugmai (Yap), University of Hawaii, Kapiolani Community College, AS in Liberal Arts
Srue Wakuk (Kosrae) University of Hawaii, Kapiolani Community College, AS in Liberal Arts
Guam
Tanisha Aflague, University of Hawai`i, PhD in Nutrition
Lenora Matanane, University of Hawai`i, MS in Nutrition

Hawaii
Monica Esquivel, University of Hawai`i, PhD in Nutrition
Ashley Morisako, University of Hawai`i, Master of Public Health (MPH)

Additionally, the CHL training program activities has included the development of curriculum to provide training in obesity prevention to the CHL Scholarship Students. These courses are 1. Obesity 101, 2. Community Engagement/Community-Based Participatory Research, 3. Evidence-Based Approaches and Practices in Childhood Obesity Prevention, and 4. Advocacy and Policy. By Spring 2014 all courses will have been instructed at least once.

The first Pacific based introductory nutrition course was offered online through the University of Hawaii Outreach College in Fall 2013.

The CHL Seminar on Obesity Prevention: Community Engagement/Community-Based Participatory Research for the CHL Scholarship students was taught in the Spring 2013. In the Fall 2013 semester the CHL Seminars Obesity Prevention: Obesity 101 and Obesity Prevention: Evidence-Based Approaches and Practices in Childhood Obesity Prevention were taught. The CHL Seminars on Obesity Prevention: Community Engagement/Community-Based Participatory Research and Obesity Prevention: Advocacy and Policy will be taught in the Spring 2014.

An online Pacific-based introductory nutrition course was offered in the Fall 2013 semester.

Worked with Guam Cooperative Extension to hold a summer camp in one of the intervention communities in July 2013; activities included exercise and physical activities utilizing the SPARK curriculum for the
older children (1st - 5th grade) and Mighty Moves curriculum for the younger children (preschool & Kinder). In addition, nutrition education classes and gardening was taught to children of all age levels.

The CHL Training Program began providing a professional and academic skill building session one day a week in the Fall 2013 for the CHL Scholarship Students. The Program has also implemented a peer-mentoring program to link CHL students with upperclassmen in their major to assist them in excelling in their academics. This session and peer mentoring program will be offered again in Spring 2014.

Training for measurement activities has occurred in jurisdictions. This training also included anthropometry standardization against a lead measurer. Master Role Model Training of community members occurred in each jurisdiction except for FAS and Alaska. Role Model Training was conducted in each jurisdiction except for FAS and Alaska. SPARK Physical Activity Training was also conducted for teachers in Guam and CNMI.

Numerous CHL staff from FAS, Guam, CNMI and American Samoa attended a CHL sponsored Facilitation Workshop to promote collaborative leaders. In addition, CHL team members also attended a CHL sponsored workshop to be Master Role Model Trainers in their home jurisdictions.

**Summary**

CHL has passed the half-way point of the CHL 5-year cycle. CHL has completed baseline measurement collection, begun intervention implementation, and are actively engaged in training future professionals, producing Pacific child obesity prevention products, and engaging Pacific communities.
USDA National Institute of Food and Agriculture (NIFA) Awards to Insular Areas

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<th>Fiscal Year</th>
<th># Applications</th>
<th># Awards</th>
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<th>Primary Investigator</th>
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