

**Opal Vanessa Buchthal, DrPH**  
**Assistant Professor, OPHS Undergraduate Public Health Program**

**EDUCATION**

<b>DrPH, University of Hawai'i at Mānoa</b>	<b>2012</b>
Dissertation: <i>The Role of Social Capital in Shaping Dietary Behavior in a Low-Income Multi-Ethnic Community</i>	
<b>MSPH, UCLA School of Public Health</b>	<b>1993</b>
Community Health Sciences: Behavioral Science and Health Promotion Minor: Medical Anthropology	
<b>B.A., Anthropology, San Francisco State University</b>	<b>1988</b>
Areas of Concentration: Asian immigration, migrant communities	

**TRAINEESHIPS**

NIH Pre-Doctoral Traineeship in Cancer Control, Johnson Comprehensive Cancer Center, UCLA	<b>1993-1998</b>
US Public Health Service Traineeship	<b>1991-1993</b>

**AWARDS**

University of Hawai'i at Mānoa Faculty Research Travel Fund Travel award to present a paper at a national conference (\$2,000)	<b>2013</b>
University of Hawai'i at Mānoa Office of Public Health Studies Pauline Stitt Outstanding Graduate Student Award (\$100)	<b>2012</b>
University of Hawai'i at Mānoa Office of Public Health Studies Elmer J. Anderson Professional Travel Award (\$1,000)	<b>2011</b>

**TEACHING EXPERIENCE**

<i>University of Hawai'i at Mānoa, Department of Public Health</i>	
• <b>Instructor, Public Health Undergraduate Capstone Seminar</b>	<b>2017-2018</b>
• <b>Instructor, Health Education and Health Promotion (Undergrad program)</b>	<b>2013-2016</b>
• <b>Instructor, Teaching Practicum (DrPH)</b>	<b>2013</b>
• <b>Instructor, Introduction to Program Evaluation (MPH)</b>	<b>2013</b>
(Summer teaching exchange at the Nanchang University School of Public Health, Jianxi Province, People's Republic of China)	<b>2013</b>
• <b>Instructor, Program Evaluation (MPH/DNP – Online, Asynchronous)</b>	<b>2012</b>
• <b>Guest Lecturer</b> in the following classes: <i>Concepts in Nutrition Education, Global Nutrition, Introduction to Public Health, Program Evaluation, Social Science and Public Health, Evidence-Based Public Health Research, Current Issues &amp; Topics in Public Health</i>	
<i>Student Teaching Experience: University of Hawai'i at Mānoa</i>	
• <b>Teaching Practicum, Introduction to Program Evaluation (MPH)</b>	<b>2011</b>
<i>Student Teaching Experience: University of California at Los Angeles</i>	
• <b>Teaching Assistant, Health Communications (MPH)</b>	<b>1995</b>

- **Teaching Assistant, Health Behavior Change (MPH)** 1994
- **Teaching Assistant, Intro to Community Health Sciences (MPH)** 1993

## RESEARCH EXPERIENCE

<b>Assistant Professor</b>	<b>2012-present</b>
Principal Investigator, Hawai'i State Department of Health SNAP-Ed MOA (2016-2018)	
Principal Investigator, Healthy Hawai'i Initiative Evaluation Team (2015-2017)	
Principal Investigator, Hawaii State DHS SNAP-Ed Program Evaluation (2014-2015)	
Principal Investigator, Hawai'i DOH:NEN SNAP-Ed Evaluation Project (2012-2014)	
<b>Junior Researcher</b>	<b>2008-2012</b>
<i>UH Mānoa Office of Public Health Studies,</i>	
<i>Healthy Hawai'i Initiative Evaluation Team</i>	
<b>Research Consultant</b>	<b>1995-1998</b>
<i>Western Consortium for Public Health, Los Angeles, CA</i>	
<b>Evaluation Coach, Healthy Starts Initiative</b>	<b>1994-1995</b>
<i>SRI International, Inc., Los Angeles, CA</i>	
<b>Evaluation Consultant</b>	<b>1994-1995</b>
<i>Los Angeles Free Clinic, Los Angeles, CA</i>	
<b>Research Consultant</b>	<b>1994-1995</b>
<i>Asian-Pacific Health Care Ventures, Los Angeles, CA</i>	
<b>Junior Research Analyst</b>	<b>1988-1991</b>
<i>Communication Technologies, San Francisco, CA</i>	

## GRANTS AND CONTRACTS

**PI:** Hawai'i State Department of Health. *SNAP-Ed Evaluation*. Contract to provide technical assistance and evaluation services to the Hawai'i State Department of Health's SNAP-Ed program. 2/1/2017-8/30/2017: \$28,000

**PI:** Hawai'i State Department of Health. *Social Epidemiology Project*. Managed a multi-year project that provides consulting services to the Hawai'i Department of Health's Chronic Disease Prevention and Health Promotion Division for the evaluation of division program and policy initiatives, social marketing campaigns, strategic planning, and staff development. Involved managing a team of 10 evaluators and graduate assistants responsible for a variety of specific projects, as well as regular involvement in DOH planning and administrative meetings.  
Contract Year 7/1/2016-6/30/2017 \$740,000.  
Contract Year 7/1/2015-6/30/2016 \$827,649

**CoI:** National Institute on Minority Health and Health Disparities RCMI Multidisciplinary and Translational Research Infrastructure eXpansion (RMATRIX-II) grant. *The Economics of Food Environment, Body Mass Index, and Hospitalizations in Native Hawaiian and Other Pacific Islander Communities on Oahu to University of Hawaii at Manoa*. 2015–17. PI: Victoria Fan, OPHS. U54MD007584.

**PI:** USDA *Hawai'i State SNAP-Ed Program Evaluation* (flow-through via Hawaii Department of Human Services). Provided consulting and evaluation services to the Hawai'i Department of Human Services and the Hawai'i State Department of Health for the planning and evaluation of USDA-funded programs for reducing nutrition disparities and food insecurity in Hawai'i's low-income populations. 10/1/2014-9/30/2015. \$122,658

**Key Staff:** HRSA. *Achieving a BSN in Nursing: A Veteran's Initiative*. 7/1/2014-6/30/2018. Evaluator for an initiative aimed at strengthening educational pathways to help veterans transition from military service into civilian nursing careers.

PIs: 2014-17: Debra Mark, SONDH \$1,050,000 2017-18: Kristine Qureshi, SONDH \$300,000

**Col:** National Institute on Minority Health and Health Disparities RCMH Multidisciplinary and Translational Research Infrastructure eXpansion (RMATRIX) grant: *Development of a Food Behavior Checklist for Limited Resource Filipinas*. 9/1/2014-8/31/2015.

PI: Jinan Banna, CTAHR \$27,000

**PI:** Hawaii State Department of Health. *Evaluation of the DOH:NEN SNAP-Ed Program, 2010-2015* (5 consecutive one-year contracts). Provided technical assistance and evaluation services to the Hawai'i State Department of Health for the planning and evaluation of DOH-sponsored programs and initiatives aimed at preventing obesity and chronic disease among low-income Hawai'i populations.

10/1/2013-9/30/2015. \$160,499

10/1/2012-9/30/2013. \$187,623

10/1/2011-9/30/2012. \$178,911

10/1/2010-9/30/2011. \$148,710

## **PUBLICATIONS**

### Publications in Refereed Journals

Pitts, R, **Buchthal OV**, Sentell T (2017). *Health Literacy in a Social Context: Review of Quantitative Evidence*. Journal of Health Literacy Research and Practice (in press)

Banna J, **Buchthal OV**, Delormier T, Creed-Kanashiro HM, Penny ME. (2016) *Influences on Eating and Physical Activity Behaviors: A Qualitative Study of Adolescents in a Periurban Area in Lima, Peru*. BMC Public Health, DOI 10.1186/s12889-016-2724-7

Banna JC, **Buchthal OV**, Tauyan S. (2015) *Assessing face validity of a food behavior checklist for limited-resource Filipinos*. Hawaii Journal of Medicine and Public Health 74(10):334-340

**Buchthal OV**, Robinson SR. (2015) *Mapping the possibilities: Network analysis of interagency collaboration for nutrition promotion in a low-income multi-ethnic community*. Journal of Nutrition Education and Behavior. Jul-Aug;47(4):300-7

Lee S, Oshiro M, Hsu L, **Buchthal V**, Sentell T. (2014) *Neighborhoods and Health in Hawai'i: Considering Food Access and Affordability*. Hawai'i Journal of Medicine and Public Health, 71(8) (2012), 232-237

**Buchthal OV**, Tanaguchi N, Iskandar L, Maddock, J. (2013) *Assessing state-level active living promotion efforts using network analysis*. *Journal of Physical Activity and Health*, Jan;10(1):19-32.

**Buchthal OV**, Doff AL, Hsu LA, Silbanuz A, Heinrich KM. (2011) *Avoiding a knowledge gap in a multiethnic statewide social marketing campaign*. Journal of Health Communications, Journal of Health Communication, Mar;16(3):314-27.

Li VC, Wang S, Wu K, Zhang W, **Buchthal OV**, Wong GC, Burris MA. (2001). *Capacity-building to improve women's health in rural china*. Social Science and Medicine 52, 279-282.

Li VC, **Buchthal OV**, Morisky DE, Pang EC, Kwong JJ, Hui KK. *Tobacco smoking in the Chinese community: results of a needs assessment conducted in Monterey Park, California*. Journal of Contemporary Health 6 (1997) 65-68.

### Invited Commentary

**Buchthal OV.** *Insights in Public Health. The gap is growing: Examining trends in poverty-related disparities in obesity, physical activity and dietary behavior in Hawaii.* Hawai'i Journal of Medicine and Public Health. 73(10) (2014), 332-4.

#### White Papers and Policy Papers for Governmental Agencies

Alexander D., **Buchthal OV.** *The impact of current SNAP-Ed census tract targeting regulations on the ability of nutrition education campaigns to reach state SNAP-eligible audiences.* Prepared for the Association of State Nutrition Network Administrators and the US Department of Agriculture, Food & Nutrition Services. 2012.

U.S. Department of Agriculture, Food and Nutrition Services. *The Supplemental Nutrition Assistance Program Education (SNAP-Ed) Evaluation Framework: Nutrition, Physical Activity, and Obesity Prevention Indicators: Interpretive Guide to the SNAP-Ed Evaluation Framework.* 2016. Available at <https://snaped.fns.usda.gov> (**Buchthal OV** listed as a contributing author)

#### Manuscripts under review

**Buchthal OV,** Wolff G, Kittinger D, Schaeffner D, Nelson-Hurwitz D. *Using spatial analysis to strategize promotion of EBT usage at farmers markets.* Submitted to Public Health Nutrition, January 2018.

Amore L, **Buchthal OV,** Banna J. *Identifying perceived barriers and enablers of healthy eating in college students in Hawai'i: a qualitative study using focus groups.* Submitted to BMC Public Health, August 2017.

Nelson-Hurwitz, D.C, Tagorda M, **Buchthal, OV,** Braun K. *Looking Back to Move Forward: Challenges and Successes in Undergraduate Program Development.* Submitted to Pedagogy in Health Promotion, January 2018

#### Manuscripts in Preparation

Nelson-Hurwitz DC, Tagorda M, Braun KL, **Buchthal OV.** *Developing a system to evaluate a baccalaureate public health program.* To be submitted to Education for Health in January 2018.

**Buchthal OV,** Hsu L, Byers M, Banna J, Nelson-Hurwitz D. *Developing a system to identify urban food cultivation practices in a low-income immigrant community.* To be submitted to the Journal of Nutrition Education and Behavior in March 2018

**Buchthal OV,** Nelson D., Braden K, Tamai T. *Network analysis of community capacity-building to improve healthy food access in a low-income neighborhood.* To be submitted to the Journal for Nutrition Education and Behavior in May 2018.

Carr SJ, Choy L, Hansen-Smith H, Pitt R, **Buchthal OV.** *Linking planning policy, equity and built environment change: a five-year follow-up assessment of pedestrian and bicycling environment in Hawai'i, 2016.* To be submitted to Preventing Chronic Disease, Spring 2018.

Nelson-Hurwitz, D.C., Tagorda M., Kehl, L., **Buchthal OV,** Braun K. Developing a Undergraduate Introductory Public Health Core Course Series.

#### Published Abstracts

Banna J, **Buchthal OV,** Delormier T, Creed-Kanashiro HM, Penny ME. *Influences on Eating and Physical Activity Behaviors: A Qualitative Study of Adolescents in a Periurban Area in Lima, Peru.* FASEB Journal, 28(1), Supplement, APR 2014

**Buchthal OV**, Braun K, Zhang W, Heinrich K, Maddock J. *The impact of social capital on household food insecurity and dietary behavior in a low-income multi-ethnic community.* *Annals of Behavioral Medicine*, 45(2) Supplement, March 2013.

**Buchthal OV.**, Tamai, T., Cornwell, E., Heinrich K. *Waimanalo Elementary/Intermediate School (WEIS) Garden-to-Classroom Project.* *Journal of Nutrition Education and Behavior*, July 2010 (Vol. 42, Issue 4, Supplement, Page S132)

Caldwell L., Macabeo A., Domingo J., Tamai T., **Buchthal OV.**, Heinrich K. *Project Zest, a Nutrition Education Program for Low-income Asian and Pacific Islander Immigrants.* *Journal of Nutrition Education and Behavior*, July 2010 (Vol. 42, Issue 4, Supplement, Pages S99-S100)

Tamai T., **Buchthal V.**, Heinrich K. *Comprehensive community approach to nutrition education.* *Journal of Nutrition Education and Behavior*, July 2010 (Vol. 42, Issue 4, Supplement, Page S99)

#### Refereed Conference Presentations

**Buchthal OV**, Tamai T, Nelson D, Braden K. *Using network analysis to support community collaboration to address health disparities in a low income multi ethnic community.* Poster Presented at the American Society of Health Behavior, Portland, Oregon, March 2018.

McGurk MD, Vu U, Choy L, Inoue K, Donohoe-Mather C, Kittinger D, Beckelman T, and **Buchthal OV.** *Evaluating a multi-stakeholder workgroup to improve nutrition access for disparate populations.* Poster Presented at the American Society of Health Behavior, Portland OR, March 2018.

Nelson-Hurwitz D, **Buchthal OV.** *Developing a System to Evaluate Baccalaureate Public Health Programs.* Oral presentation at the ASPPH 2018 Undergraduate Public Health and Global Health Education Summit, Arlington, VA, March 2018.

Nelson-Hurwitz D, **Buchthal OV.** *Using Deliberative Pedagogy as a Tool for Critical Thinking and Career Preparation Among Undergraduate Public Health Students.* Poster Presented at the ASPPH 2018 Undergraduate Public Health and Global Health Education Summit. Arlington, VA, March 2018.

Sentell T, Pitt R, Davis T, Marganillo J, Massey P, McFarlane E, **Buchthal OV**, Arnold C. *Health literacy beyond the individual, a metanarrative review.* Poster presented at the European Public Health Conference, Stockholm, Sweden, October 2017.

Banna J, **Buchthal OV**, Delormier T, Penny ME, Creed-Kanashiro HM. *The use of the pile sort method to understand food beliefs and classification systems in adolescents in periurban Lima, Peru.* Poster presented at the World Congress of Public Health Nutrition, Las Palmas de Gran Canaria, Spain, October 2014.

Banna J, **Buchthal OV**, Delormier T. *Influences on eating and physical activity: a qualitative study in adolescents in a periurban area in Lima, Peru.* Poster Presented at the Experimental Biology Annual Conference, San Diego, CA, April 2014.

**Buchthal OV**, Hsu L, Oshiro MM. *Growing health: Cultural assets for garden-based diabetes prevention within an urban Filipino and Pacific Islander community.* Oral presentation at the American Public Health Association Annual Conference, Boston, MA, November 2013.

**Buchthal OV**, Alexander D, Hsu L. *Assessing the impact of SNAP-ed census-tract targeting on access to nutrition programming for low-income individuals.* Poster presentation at the American Public Health Association Annual Conference, Boston, MA, November 2013.

**Buchthal OV**, Robinson S. *Mapping the possibilities: Interagency communication and collaboration for nutrition in a low-income multi-ethnic community*. Poster presented at the American Academy of Health Behavior Annual Conference, Santa Fe, March 2013.

**Buchthal OV**, Braun K, Zhang W, Heinrich K, Maddock J. *The impact of social capital on household food insecurity and dietary behavior in a low-income multi-ethnic community*. Poster presented at the Society for Behavioral Medicine Annual Conference, San Francisco, March 2013.

**Buchthal OV**, Tanaguchi N., Iskandar L, Maddock J. *Assessing the development of state active living promotion efforts through network analysis*. Oral presentation at the American Public Health Association Annual Conference, Washington DC, October 2011.

Hsu L., **Buchthal OV**, Heinrich KM. *Using photographic food diaries to assess eating patterns of school-aged students*. Oral presentation at the American Public Health Association Annual Conference, Washington DC, Oct 2011.

**Buchthal OV**. *The data behind the development of the Hawai'i Nutrition Education Network's comprehensive community approach to nutrition education*. Oral presentation at the Society for Nutrition Education Annual Conference, Reno, NV, July 2010

**Buchthal OV**, Tamai, T., Cornwell, E., Heinrich K. *Waimanalo Elementary/Intermediate School (WEIS) Garden-to-Classroom Project*. Poster presented at the Society for Nutrition Education Annual Conference, Reno, NV, July 2010.

**Buchthal OV**, Smith, P. *Hard to eat healthy if no food: Developing a social marketing program for the Hawai'i SNAP Nutrition Network*. Oral presentation at the Hawai'i Pacific University Faculty Research Seminar, Honolulu HI, January 2012

#### Invited Presentations to National Professional Organizations

**Buchthal OV**. *Evaluating change across the socioecological model*. Oral Presentation at the Association of State Nutrition Network Administrators (ASNNA) 2013 Conference. February 2013, Washington DC.

#### Community Service Presentations

Buchthal OV. *Literature Review Methods for Public Health Program Planning*. Training provided to the Hawai'i State Department of Health, Chronic Disease Prevention and Health Promotion Division. Honolulu HI, May 2017.

Buchthal OV. *Analysis of the CDPHPD Division 2015 Strategic Planning Process*. Hawai'i State Department of Health, Chronic Disease Prevention and Health Promotion Division. Honolulu, HI October 2016.

Buchthal OV. *Building Community Capacity to Improve Healthy Food Access in Low-Income Neighborhoods*. 12 at 12 Faculty Colloquium on Food Insecurity Research. University of Hawai'i at Mānoa, Honolulu, Hawai'i, February 2016

Buchthal OV. *What is Collective Impact?* Training provided to the Hawai'i State Department of Health Chronic Disease Prevention and Control Branch, Honolulu HI September 2015.

Buchthal OV and Delormier, T. *Managing Food Insecurity in Hawai'i*. Hawai'i Extension Nutrition and Health Program Area Professional Development Workshop. Honolulu, Hawai'i, September 2013.

Buchthal OV. *Using Social Network Analysis to Support Community Partners in Capacity-Building for Health*. Office of Public Health Services Faculty Colloquium, September 2012

Buchthal OV. *Mapping the possibilities: Interagency communication and collaboration for nutrition in a low-income multi-ethnic community*. Hawai'i State Department of Health Chronic Disease Prevention and Control Branch, Honolulu HI, May 2012

Buchthal OV. *An apple stays: Formative research for the Kalihi Nutrition Network Social Marketing Campaign*. Kalihi Nutrition Network Social Marketing Group, Honolulu, HI November 2011

Buchthal OV. *Active living in Hawai'i: A network analysis*. Hawaii State Department of Health, Honolulu, HI, June 2010.

## REVIEWER FOR THE FOLLOWING JOURNALS, CONFERENCES, AND BOOKS

### Journals

Journal of Health Communication  
Journal of Health Psychology  
Journal of Physical Activity and Health  
Journal of Health Education Research  
Hawaii Journal of Medicine and Public Health  
BMC Public Health

### Books

Hayden J. *Introduction to Health Behavior Theory, 3<sup>rd</sup> Edition*. Jones & Bartlett Learning

### Conference Abstract Reviewer

American Academy of Health Behavior  
American Public Health Association  
ASSC/ASPPH *Building for Health & Well-Being*

## STUDENTS SUPERVISED

### Dissertation Committees

Hyun Hee Heo, Public Health  
Matthew Pearce, Public Health  
Jeannie Butel, Public Health  
Lisa Kiel, Public Health

### Master's Thesis/Capstone Committees

Elizabeth Jablonski, Entomology  
Chelsea Pulido, Public Health  
Nicolas Bonifacio, Public Health  
Ruth Pitt, Public Health

### Undergraduate Honors Thesis/Capstone

Michael Sanes, Public Health  
Aprilei Ramirez, Public Health  
Lucia Amore, FAML

### Advisor, Interdisciplinary Studies

Ethan Isobe

### Graduate Research Assistants

Uyen Wu, Education (PhD)  
Thomas Lee, Epidemiology (PhD)  
David Stupplebeen, Public Health (DrPH)  
Laura Hsu, Public Health (DrPH)  
Shannon Deger, Public Health (DrPH)  
Grace Wolff, Urban Planning (MS)  
Katherine Braden, Public Health (MPH)  
Samantha Kodama, Public Health (MPH)  
Melissa Oshiro, Public Health (MPH)  
Daniel Alexander, Urban Planning (MS)  
Amy Doff, Public Health (MPH)  
Rebecca Knight, Public Health (MPH)

### Undergraduate Interns

Hay Uh, Fudan University, PRC  
Anna Martin, UH SEED Program  
Faith Hamamura, UH Cancer Center  
Lucia Amore, UH Cancer Center

## PROFESSIONAL MEMBERSHIPS

American Academy of Health Behavior, Affiliate Member  
American Public Health Association  
Hawai'i Public Health Association  
American Evaluation Association  
Association of State Nutrition Network Administrators

## **PROFESSIONAL AND COMMUNITY SERVICE**

### National Professional Service Activities

- *Member, USDA Western Region SNAP-Ed Outcomes Development Group*
- *Member, ASNNA evaluation committee*

### Hawai'i Community Service Activities

- *Board Member, Hawai'i Public Health Association (2018-2019)*
- *Kōkua Kalihi Valley (2012-15 Strive Grant partner, 2015-18 CDC REACH grant partner)*
- *Kohala Center (Technical Assistance for their 2017 USDA FINI grant)*
- *Hawai'i Obesity Prevention Task Force (member)*
- *Appleseed Foundation (Needs assessment and technical assistance)*
- *Greenwheel FoodHub (Technical assistance)*

### Departmental Service Activities

- *OPHS Evaluation Committee (Chair), 2012-2014*
- *OPHS Undergraduate Committee 2014-2017*
- *SBHS Admissions Committee, 2012-2014*
- *CEPH Reaccreditation Committee, 2013-14*
- *DrPH Program Committee, 2013/14, 2016-2017*

## **OTHER PROFESSIONAL EXPERIENCE**

### *Development Director (2000-2004)*

*N.E. Miles Jewish Day School, Birmingham, Alabama*

Managed grant-writing, community development, alumni and donor relations for a community-based private school.

### *Vice-President and Board Member (2002-2007)*

*Birmingham Chapter of Hadassah, Birmingham AL*

Volunteer position involving grant-writing, health promotion event development and management, volunteer coordination with a health-focused community-based nonprofit. Worked with the organization's National Office on piloting and evaluating a new breast cancer screening initiative.

### *Board Member (1997-2001)*

*Birmingham Jewish Community Center, Birmingham AL*

Volunteer position involving institutional policy development, fund development and community relations for a nonprofit community agency