

Natalie R. Bennion
MPH, Brigham Young University
CPH, Certified Public Health Specialist

CONTACT INFORMATION

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EDUCATION

MPH	Public Health (3.98)	Brigham Young University	04/21
BS	Public Health (3.86) Epidemiology and Health Promotion	Brigham Young University	04/19
Minor	Business Management		

ACADEMIC EMPLOYMENT

Lecturer	Dept of Public Health	UVU	08/21 – present
Adjunct Graduate Instructor	Dept of Public Health	BYU	01/21 – 04/21
Research Assistant	Dept of Public Health	BYU	03/18 – 08/21
Swim Instructor	Dept of Exercise Science	BYU	08/18 – 04/21
Teaching Assistant	Dept of Public Health	BYU	05/18 – 10/19

TEACHING

1. Public Policy and Organization (HLTH 4250; undergraduate course) 08/21 – present
Role: Lecturer. Topic: Public health policy and organization
2. Foundations of Human Nutrition (NUTR 1020; undergraduate course) 08/21 – present
Role: Lecturer. Topic: Basic principles of nutrition
3. Personal Health and Wellness (HLTH 1100; undergraduate course) 08/21 – present
Role: Lecturer. Topic: Individual and community health practices and promotion
4. Statistical Computing in Epidemiology (HLTH 440; undergraduate course) 01/21 – 05/21
Role: Adjunct graduate instructor. Topic: SAS programing
5. Infectious & Chronic Disease (HLTH 619; graduate course) 08/20 – 01/21
Role: Teaching assistant. Instructor: Chantel Sloan

6. Beginning Swimming (SWELL 171; student wellness course) 08/18 – 05/21
Role: Instructor. Topic: Proper swimming techniques on the four primary swimming strokes
7. Intermediate Swimming (SWELL 172; student wellness course) 08/19 – 05/21
Role: Instructor. Topic: Advanced swimming techniques, workouts, and drills
8. Program Planning and Evaluation (HLTH 312; undergraduate course) 08/18 – 08/19
Role: Teaching assistant. Instructor: Lori A. Spruance

RESEARCH EXPERIENCE

- 2019 - 2021 Department of Public Health, Graduate Research Assistant, BYU
Conducted literature review, research plan, data preparation, analyses, and manuscript preparation. Lab benchwork on virus transmission in various levels of air pollution. Used geographic analysis including spatial analysis, network analyst, cluster detection, spatial interpolation, inverse distance weighting (IDW), origin-cost destination matrix, space-time analysis (SaTScan modeling), hot spot analysis, and land-use regression.
Mentor: Dr. Chantel Sloan, Ph.D.
- 2020-2021 Cancer Control and Population Sciences, Research Intern, Huntsman Cancer Institute
Designed research plan, conducted literature review, data preparation and management, analyses and manuscript preparation. Conducted quality checks and data entry on statewide data. Used SQL coding in SAS, Poisson regression and negative binomial regression models, and effect modification.
Mentor: Dr. Judy Ou, Ph.D.
- 2018-2019 Department of Public Health, Undergraduate Research Assistant, BYU
Conducted data collection, management, analysis, and two manuscript preparations. Developed IRB approval, grant applications for Utah Public Health Association Community Mini-Grant and College Undergraduate Research Awards. Presented at the American Academy of Health Behavior, Utah Society of Public Health Educators, and Utah Conference for Undergraduate Research
Mentor: Dr. Lori Spruance, Ph.D.

EMPLOYMENT

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| Lecturer
Utah Valley University (UVU) | Dr. Brian Barthel, UVU | 08/21 – present |
| HLTH 440, Adjunct Instructor | Dr. Carl Hansen, BYU | 01/21 – 05/21 |
| Graduate Research Intern
HCI Cancer Control and Population
Sciences, Kirchhoff Research Group | Dr. Judy Ou, HCI | 05/20 – 04/21 |
| Graduate Research Assistant | Dr. Chantel Sloan, BYU | 08/19 – 08/21 |
| Swim Instructor | Emily Andrews, BYU | 08/18 – 05/21 |
| Undergraduate Research Assistant | Dr. Lori Spruance, BYU | 03/18 – 08/19 |

Community Outreach Intern Huntsman Cancer Institute (HCI)	Garret Harding, HCI	08/18 – 12/18
NCAA D1 Student Athlete, Swim Team, Captain	John Brooks, BYU	2012-2013; 2015-2018
Personal Hollywood Director Assistant	Jerusha Hess	05/15 – 09/17
Certified Home Nurse Assistant	Acumen, Inc.	01/08 – 09/13

PROGRAMMING AND SOFTWARE

SAS, ArcGIS, R, Microsoft Office

Certified Public Health Specialist (CPH)

PROFESSIONAL ORGANIZATIONS

08/19 – 08/21	Student Member, American Public Health Association
09/18 – 08/21	Student Member, Society for Public Health Education
11/18 – 11/19	Student Member, American Academy of Health Behavior

UNIVERSITY ORGANIZATIONS

04/18 – 04/19	Vice President, BYU Public Health Association
01/15 – 04/19	Member, BYU Athletic Connections (service)
08/12 – 05/13 01/15 – 04/18	Member, BYU Cougar Strong (service)
1/15 – 08/17	Member, BYU French Club (service)

PUBLICATIONS AND PRESENTATIONS (listed in oldest to most recent)

Research Articles

1. **Bennion, N.**, Spruance, L. A., & Maddock, J. E. (2020). Do Youth Consume More Calories than they Expended in Youth Sports Leagues? An Observational Study of Physical Activity, Snacks, and Beverages. *American Journal of Health Behavior*, 44(2), 180-187.
2. Starkweather, C., Guarino, A., **Bennion, N.**, Cottam, M., McGhie, J., Dearden, K. A., Santika, O., Jusril, H., Hall, C., Crookston, B. T., Linehan, M., Torres, S., Bennett, C., & West, J. H. (2020). An interpersonal nutrition campaign and maternal knowledge and childhood feeding practices: a case study from mothers in rural Indonesia. *Archives of Public Health*, 78(1), 1-6.

3. **Bennion, N.**, Mulokozi, G., Allen, E., Fullmer, M., Kleinhenz, G., Dearden, K., ... & Hall, C. (2021). Association between WASH-Related Behaviors and Knowledge with Childhood Diarrhea in Tanzania. *International Journal of Environmental Research and Public Health*, 18(9), 4681.
4. Spruance, L. A., **Bennion, N.**, Ghanadan, G., & Maddock, J. E. (2021). An Educational Intervention for Improving the Snacks and Beverages Brought to Youth Sports in the USA. *International Journal of Environmental Research and Public Health*, 18(9), 4886.

Articles Under Review

1. **Bennion, N.**, Redelfs, A., Benally, S., Spruance, L., & Sloan, C. Driving distance and food accessibility: a geospatial analysis of the food environment in the Navajo Nation and Border Towns.

Articles in Preparation

1. **Bennion, N.**, Phan, N., Sloan, C., Duan, D. Authoritarianism and environmental health: A case study of coal mining in china from the 1869s to the present.
2. **Bennion, NR**, Ramsay, JM, Kaddas HK, Ou JY, Kirchhoff, AC. Individual risk factors and geographic patterns in the incidence of second primary HPV-related cancers among pediatric, adolescent, and young adult cancer survivors.

Presentations – oral/poster

[O] denotes oral presentation, [P] denotes poster presentation, [RA#] denotes that the work is now published as a peer-reviewed research article as numbered above.

1. [O] **Bennion N**, Spruance L. Environmental determinants of child nutrition in Utah. *Utah Society of Public Health Educators meeting, Provo, UT, November 2018.*
2. [P] **Bennion N**, Spruance L. Physical activity, snacks, and beverages in the youth sports environment. *Utah Conference for Undergraduate Research Meeting 2019.*
3. [P] **Bennion N**, Spruance L, Maddock J. Physical activity, snacks, and beverages in the youth sports environment. *American Academy of Health Behavior conference 2019.*
4. [P] **Bennion N**, Spruance L, Ghanadan G, Maddock J. An effective educational intervention for improving the youth sports food environment. *Active Living Conference 2020.* Accepted.

Other works

1. Research training manual – “The Brain on Breakfast: Impact of Breakfast in the Classroom on Cognitive Performance and Nutritional Outcomes.” 2018.
2. Program plan, community assessment, and evaluation plan – “Increasing resilience and mental health among high school adolescents in Mudhole and Sam White’s neighborhoods of Pleasant Grove, Utah.” EveryDay Strong, United Way of Utah County. 2018.
3. Social media profile for increasing awareness of air quality – Utah County Department of Health, Utah. 2018.

4. Health Impact Assessment (HIA) – “A health impact assessment on the social, emotional, and political impacts of childhood sexual assault.” Utah Department of Health. 2019.
5. Program plan, community assessment, and evaluation plan – “Increasing poverty among North Provo, Utah residents, a program plan.” United Way of Utah County. 2020.
6. Evaluation plan of Humanitarian Experience for Youth (HEFY). HEFY, Utah. 2021.

RESEARCH GRANTS

Not funded

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| 1. An intervention to modify the food environment in youth recreation sports
College Undergraduate Research Awards | 10/18 |
| 2. Access to healthy food in minority populations
Utah Public Health Association Community Mini-Grant | 08/19 |

Uncredited - funded

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| 3. CHE OSP Draft - Supplemental Cancer Center Support Grant Proposal
Huntsman Cancer Institute | 12/18 |
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HONORS AND AWARDS

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| 3- Minute Thesis Competition, Public Health Department winner | 2021 |
| CDC Dr. James A. Ferguson Infection Disease RISE Fellowship (finalist) | Cancelled due to COVID-19 |
| College of Life Sciences’ Dean’s List | 2016 |
| 4- time BYU Scholar Athlete | 2013, 2016-2018 |
| 3- time Mountain Pacific Sport Federation (MPSF) Academic All-American | 2016-2018 |
| Ranked #1 on BYU swim team in 50 freestyle, 100 freestyle, and 200 freestyle | 2016-2018 |
| All-MPSF Conference Second Team | 2013 |
| Utah state record holder in 200m freestyle | 2013 |
| All-American 400m freestyle relay | 2010 |

SERVICE

CHURCH OF JESUS CHRIST OF LATTER-DAY SAINT CALLINGS

Ward Institute Director
 Provo YSA 67th Ward, Provo Utah YSA 5th Stake, Provo, UT
 August 2020 – April 2021

Sunday School Teacher

Provo YSA 160th Ward, Provo Utah YSA 11th Stake, Provo, UT

July 2019 – August 2020

Family Home Evening Director

Provo YSA 160th Ward, Provo Utah YSA 11th Stake, Provo, UT

August 2017 – August 2019

Ward Music Director

Provo YSA 172nd Ward, Provo Utah YSA 12th Stake, Provo, UT

April 2016 – August 2017

Ward Pianist

Provo YSA 172nd Ward, Provo Utah YSA 12th Stake, Provo, UT

January 2015 – April 2016

Relief Society 1st Counselor

Provo YSA 172nd Ward, Provo Utah YSA 12th Stake, Provo, UT

January 2015 – April 2016

Full-time missionary

Paris, France

June 2013 – January 2015