

Horacio Chacon Torrico

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EDUCATION

University of Washington PhD in Global Health (Health Metrics)	Seattle, WA 2022–Current
University of Washington MPH in Global Health (Health Metrics and Evaluation) – Recipient of Academic Excellence Award	Seattle, WA 2020–2022
Cayetano Heredia University MSc in Biomedical Informatics in Global Health	Lima, Peru 2017–2019
Scientific University of the South MD in Human Medicine	Lima, Peru 2008–2015

PROFESSIONAL EXPERIENCE

Institute for Health Metrics and Evaluation (IHME) Research Assistant on the US Health Disparities Team – Conducted small area estimation modeling of non-fatal outcomes for the US	Seattle, WA 2022–Current
University of Washington - ITECH Integrated Next-generation Surveillance in Global Health (INSIGHT) – Contributed to the assessment of the COVID-19 national Peruvian epidemiological surveillance system	Seattle, WA 2022–Current
University of Washington Data Analyst Intern for UNAIDS and CFAR collaboration – Conducted literature review of transgender population size estimation – Curated UNAIDS transgender data sources list – Performed country-specific estimation of transgender population size	Seattle, WA Fall 2021
University of Washington Research Assistant at the International Training and Education Center for Health (I-TECH) – Provided monitoring and evaluation support activities for the Zimbabwe Care and Treatment Program – Developed PEPFAR indicator dashboards and ad-hoc reporting – Designed and developed CommCare-based digital data entry forms – Trained and capacity built in-country personnel	Seattle, WA 2020–Current
Puente Piedra Police Health Center General Practitioner at primary health care center	Lima, Peru 2019–2020
Cayetano Heredia University Mamás del Río Program: Coordinator and Technology Director	Lima, Peru 2016–2019
Program Brief: Mamas del Rio (Mothers of the River) is a multi-component, maternal and neonatal health program aiming to improve newborn care practices in rural Amazonian Peru through educational home visits by Community Health Workers to pregnant women, mothers, and their families.	

- Conceptualized transition-to-scale program and acquired funding
- Designed and developed CommCare-based data collection, mHealth component and M&E tools
- Liaised between Ministry of Health, Regional Government and Funding partners

Ministry of Health

Consultant and Trainer: Electronic Vital Registration System (SINADEF)

Lima, Peru

2016–2017

- Trained hospitals and regions in Peru on vital registration system completeness (ICD coding)
- Evaluated vital registration entries for quality and completeness assessment

Sociedad Operadora de Salud

Medical Data Analyst

Lima, Peru

2015–2016

- Extracted, analyzed and processed data for the first all-digital Electronic Health Record Hospital network in Peru

RESEARCH PROJECTS

Prevalence of home birth in 67 low- and middle-income countries

Corresponding author, conceptualization, and data analysis of home birth prevalence in 67 LMIC

2019

- https://github.com/horaciochacon/rdhs_home_births

ENDES.PE

Development of an R package for handling Peruvian Demographic and Health Surveys data

2019

- <https://horaciochacon.github.io/ENDES.PE/>

Cayetano Heredia University

Adaptation of an mHealth application for the screening and monitoring of COVID-19 in Loreto

Loreto, Peru

May 2020

- Co-principal investigator for piloting a community health worker-led intervention to screen suspected COVID-19 cases
- Funding acquisition and project management
- Development and adaptation of M&E tools, data collection workflow, and mobile application

Cayetano Heredia University

Mamás del Río: Improving maternal and child health in remote rural Amazon communities in Peru

Loreto, Peru

2016–2019

ADDITIONAL EXPERIENCE

Non-certificate Trainee

Center for Studies in Demography and Ecology - University of Washington

2021–Current

Peer Reviewer

SSM Population Health (ISSN: 2352-8273), RPPESP (ISSN: 1726-4642), AMP (ISSN: 1728-5917)

2018–Current

Public Policy Contribution

Ministry of Health

Loreto, Peru

2017

- Integral and intercultural health care model for the Pastaza, Corrientes, Tigre, Marañón, and Chambira river basins in the Loreto region (2017-2021)

TEACHING

- **Visiting Lecturer** at Scientific University of the South

2019 –2020

Medical School: Evidence-Based medicine and Thesis Seminar

TECHNICAL SKILLS

- **Advanced:** R, Git, SQL, Power BI, \LaTeX
- **Intermediate:** GIS, Bash, Linux/Unix, ssh, Docker
- **Basic:** Python

LANGUAGES

- **Spanish:** native speaker
- **English:** fluent
 - TOEFL iBT: 103
- **German:** intermediate
 - Sprachdiplom I & II, B2.2

PROFESSIONAL SKILLS

- Strong research and analytical skills, including experience with data analysis and modeling
- Ability to think critically and creatively to solve complex problems
- Excellent written and verbal communication, including experience presenting technical information to diverse audiences
- Experience collaborating with cross-functional teams, including stakeholders from diverse backgrounds and cultures
- Adaptability and flexibility to work in a fast-paced, rapidly changing environment

PUBLICATIONS

- [1] A. Hernandez-Vasquez, **Chacón-Torrigo, Horacio**, and G. Bendezu-Quispe, “Geographic and socioeconomic inequalities in cesarean birth rates in peru: A comparison between 2009 and 2018”, *Birth*, eprint: <https://onlinelibrary.wiley.com/doi/pdf/10.1111/birt.12572>.
- [2] A. Hernandez-Vasquez, F. J. Visconti-Lopez, **Chacon-Torrigo, Horacio**, and D. Azanedo, “Covid-19 and food insecurity in latin america and the caribbean”, *Journal of Hunger & Environmental Nutrition*, pp. 1–8, 2022.
- [3] M. F. Lazo-Legrand, R. Palomino-Torres, **Chacon-Torrigo, Horacio**, H. Garayar-Peceros, and J. J. Alarco, “Exposure to domestic violence and bullying victimization among peruvian adolescents”, *Cadernos de Saude Publica*, vol. 38, 2022.
- [4] A. Hernandez-Vasquez, **Chacon-Torrigo, Horacio**, and G. Bendezu-Quispe, “Prevalence of home birth among 880,345 women in 67 low- and middle-income countries: A meta-analysis of demographic and health surveys”, *SSM - Population Health*, p. 100955, 2021, ISSN: 2352-8273.
- [5] A. Hernández-Vásquez, **Chacón-Torrigo, Horacio**, R. Vargas-Fernández, and G. Bendezu-Quispe, “Factors associated with home births in peru 2015–2017: A cross-sectional population-based study”, *Heliyon*, vol. 7, no. 3, e06344, 2021, ISSN: 2405-8440.
- [6] S. Charapaqui-Miranda, K. Arapa-Apaza, M. Meza-Rodriguez, and **Chacón-Torrigo, Horacio**, “Comparing predictive machine learning algorithms in fit for work occupational health assessments”, in *Information Management and Big Data*, Cham: Springer International Publishing, 2020, pp. 218–225.
- [7] A. Hernández-Vásquez, **Chacón-Torrigo, Horacio**, and G. Bendezu-Quispe, “Differences in the prevalence of cesarean section and associated factors in private and public healthcare systems in peru”, *Sexual & Reproductive Healthcare*, p. 100570, 2020, ISSN: 1877-5756.
- [8] A. Hernández-Vásquez and **Chacón Torrigo, Horacio**, “Manipulation, analysis, and visualization of data from the demographic and family health survey with the r program”, *Revista Peruana de Medicina Experimental y Salud Pública*, vol. 36, no. 1, pp. 128–33, 2019.
- [9] A. Hernández-Vásquez and **Chacón-Torrigo, Horacio**, “Determinants of early initiation of breastfeeding in peru: Analysis of the 2018 demographic and family health survey”, *Epidemiology and Health*, vol. 41, e2019051, 2019.

- [10] A. Hernández-Vásquez and **Chacón-Torrico, Horacio**, “Use of mammography in peruvian women: An analysis of the 2018 demographic and health survey”, *Medwave*, vol. 19, no. 09, 2019.
- [11] M. Apolaya-Segura and **Chacón Torrico, Horacio**, “Importance of a health information management system”, *Rev. Cuerpo Med. HNAAA*, 2016.
- [12] E. Mori-Quispe, H. Contreras-Pulache, W. D. Hinostroza Camposano, N. Lam-Figueroa, O. Huapaya-Huertas, **Chacón Torrico, Horacio**, C. Black-Tam, and D. Urrutia-Aliano, “Evaluation of an instrument to quantify stigmatization of pregnant adolescents in peru”, *Anales de la Facultad de Medicina*, vol. 76, pp. 141–146, 2015.
- [13] R. Robles-Alfaro, F. Vela-Alfaro, O. Huapaya-Huertas, and **Chacón Torrico, Horacio**, “Relationship between expenditure in research and development and scientific production in peru”, *Anales de la Facultad de Medicina*, vol. 76, pp. 469–470, 2015.
- [14] O. Huapaya-Huertas, **Chacón Torrico, Horacio**, C. Black-Tam, H. Contreras-Pulache, E. Mori-Quispe, and D. I. Chiarello, “Research trends in preeclampsia between 1985-2013 in peru: A bibliometric study”, *es, 1*, vol. 3, no. 1, pp. 39–44, 2014.
- [15] H. Contreras-Pulache, E. Mori-Quispe, W. D. Hinostroza-Camposano, M. Yancachajlla-Apaza, N. Lam-Figueroa, and **Chacón Torrico, Horacio**, “Characteristics of violence during teenage pregnancy in lima, peru”, *Rev. Peru. Med. Exp. Salud Publica*, vol. 30, pp. 379–385, 2013.

CONFERENCES

- **I-TECH Annual Meeting**, Digital Health at I-TECH, the ZIM-PAAC Data Improvement Plan (ZDIP), Online, (June 2021)
- **6th International Conference on Information Management and Big Data**, Comparing predictive machine learning algorithms in fit for work occupational health assessments, Lima, Peru (August 2016)
- **Congress of Virtual Reality in Health and Telemedicine**, Mamás del Río: using technology to improve maternal and child health in the amazon rural communities, Lima, Peru (June 2018)
- **Information and Communications Technologies in the Primary Health Care**, Lima, Peru (December 2017)
- **Grand challenges annual meeting**, Mamas del Río representative, Washington DC, USA (October 2017)

TRAININGS, WORKSHOPS AND SHORT COURSES

- **R programming**, Johns Hopkins - Coursera (2019)
- **Getting and Cleaning data**, Johns Hopkins - Coursera (2019)
- **Exploratory data analysis**, Johns Hopkins - Coursera (2019)
- **The Data Scientist’s Toolbox**, Johns Hopkins - Coursera (2019)
- **Statistical Inference**, Johns Hopkins - Coursera (2019)
- **Reproducible Research**, Johns Hopkins - Coursera (2019)
- **Health and Environment: integrating spatial-temporal phenomena using a frequentist and bayesian approach**, Buenos Aires, Argentina (July 2018)
- **Training of Trainers: correct completion of death certificates**, Bloomberg Data for Health Initiative, Lima, Peru (November 2016)
- **Healthcare Technology Evaluation for Decision-making**, Lima, Peru (October 2016)
- **Global Innovation Through Science and Technology Boot Camp**, Lima, Peru (August 2016)

SCHOLARSHIPS AND AWARDS

Award

Seattle, USA

Gilbert S. Omen Award

2016

- 2022 Master’s Gilbert S. Omen award for academic excellence, School of Public Health, University of Washington

Scholarship

USA

Organization of American States (OAS) Graduate Studies Scholarship

2020–2022

Fellowship

Lima, Peru

Scientific University of the South

2020

- Cabieses fellowship: associate researcher 2020 fellowship award

Scholarship

Buenos Aires, Argentina

Interdisciplinary Latin American Training Center

Summer 2018

- A full cost scholarship was awarded for the 2 week course: “Health and environment: integrating spatial-temporal phenomena by means of a frequentist and bayesian approach”

Award

Lima, Peru

VentureWell and US Department of State

2016

- Second Place: Global Innovation through science and technology demo day (Mamás del Río program)