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MARILINA SANTERO MD, MSc, PhD (c)

About me

#epi #globalhealth #rstats #equality #datascience #implementation

Current position

*PhD Student in Methodology of Biomedical Research and Public Health
Iberoamerican Cochrane Centre – Hospital de la Santa Creu i Sant Pau - Spain*



Education

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| Present-2020 | PhD in Methodology of Biomedical Research and Public Health. <i>Universitat Autònoma de Barcelona, Spain.</i> |
| 2017-2015 | Master's degree in Clinical Effectiveness. <i>Universidad de Buenos Aires (UBA), Argentina</i> |
| 2014-2013 | Degree specializing in Epidemiology. <i>Universidad Nacional de Rosario (UNR), Argentina</i> |
| 2013-2006 | Medical Doctor. <i>Universidad Nacional de Rosario (UNR), Argentina</i> |
| 2010 | Epidemiology technician. <i>Universidad Nacional de Rosario (UNR), Argentina</i> |



Work experience and Scholarships (position, employer)

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| Present-2020 | Researcher at the Iberoamerican Cochrane Centre
Hospital de la Santa Creu i Sant Pau Research Institute, IR-HSCSP . |
| 2020-2018 | Researcher of the Department of Research on Chronic Diseases
Clinical Effectiveness and Health Policy Institute, IECS (YouTube link explaining our work: IECS) |
| 2020-2018 | Researcher of the Trauma Registry
Trauma Foundation. (YouTube link explaining our work: FT) |
| 2020-2015 | Teaching assistant: Public Health
Universidad de Buenos Aires (UBA), School of Public Health. |
| Present-2016 | Peer reviewer.
Salud Colectiva Journal / Acta Médica Peruana Journal / Peruvian Journal of Experimental Medicine and Public Health / Global Health Research and Policy Journal |
| 2018 January | Visiting Scientist.
Harvard T.H. Chan School of Public Health. Department of Global Health and Population. |
| 2018-2015 | Research Fellow.
IECS. |
| 2017 | Teaching assistant: Social Work Research II
New York University (NYU) Buenos Aires. |
| 2014-2012 | Research Fellow.
National Cancer Institute of Argentina, Ministry of Health. |
| 2012 | Initial position research.
Population-based Cancer Registry Rosario. |
| 2012-2009 | Ad-honorem teaching assistant.
National University of Rosario, School of Medicine. |



Research in Public Health (**title, financing institution**)

Present-2019	Cost-effectiveness of self-management interventions in four high-priority chronic conditions in Europe (COMPAR-EU). European Union, European's Horizon 2020 research and innovation programme.
Present-2020	Efficacy of systemic oncological treatments in patients with advanced, non-intestinal digestive cancer at high risk of dying in the middle and short term: evidence synthesis. Instituto de Salud Carlos III, European regional Development Fund..
2019-2018	Impact of socioeconomic determinants and migratory flows of patients, in the different phases of the continuum of care of cancer patients in Argentina. National Cancer Institute (NCI), Ministry of Health.
2019-2018	Implementation project to increase the coverage of population screening for colorectal cancer in the public health system in Argentina: a multicomponent strategy in vulnerable population. National Cancer Institute (NCI), Ministry of Health.
2019-2018	Innovative intervention based on peer mentoring to increase screening coverage of colorectal cancer in Argentina. National Cancer Institute (NCI), Ministry of Health.
2019-2018	What are the knowledge gaps and what to prioritize in research in Mental Health of the Elderly? Multicenter study using the Matrix of Combined Strategies for Argentina (MECA). Ministry of Health Argentina.
2019-2018	Project to improve colorectal cancer screening rates in programmatic areas of Primary Care Centers (PCCs) of the Argentine public sector. IDB.
2019-2018	Project to improve the effective use of counter-reference system in programmatic areas of hospitals of the Argentine public sector. IDB.
2019-2018	P20: South American Center of Research Excellence in Chronic Non-Communicable Diseases (SACREN). NCI/NIH.
2018	Promoting Capacity Building in Chronic Diseases Research in South America. Fogarty International Center/NIH.
2018-2017	Design and evaluation of interventions aimed at promoting the use of global cardiovascular risk screening and adherence to cardiovascular disease treatment based on behavioral economics. IDB.
2018-2015	Strengthening Diabetes Care for Underserved in Corrientes Argentina. WDF.
2017-2016	Strengthening of health services for the care of people with diabetes in the province of Corrientes. Multicenter study of feasibility. Ministry of Health Argentina.
2017-2015	Evaluating policies and programs to improve Physical activity and Food Built Environments to combat Obesity, Diabetes and Cardiovascular disease in Argentina, Chile and Uruguay. IDRC.
2017-2015	Comprehensive Approach for Hypertension Prevention and Control in Argentina. NHLBI.
2017-2015	An Educational Approach to Improve Physician Effectiveness in the Detection, Treatment and Control for patients with Hypercholesterolemia and high Cardiovascular Disease risk in low-resource settings in Argentina: a randomized cluster trial at the primary care setting. International Atherosclerotic Society and Pfizer.
2014-2012	Socio-cultural perceptions on PAP tests and cervical cancer in women from the Qom community. NIC, Ministry of Health Argentina.

Present **Promoting Capacity Building in Chronic Diseases Research in South America.** Fogarty International Center/NIH.



Awards

2020	Predocctoral contracts for training in research into health (PFIS) State programme of Promotion of Talent and its Employability in R+D+I. Institute of Health Carlos III. Madrid, Spain.
2019	Diversity Scholarship LatinR 2019. Santiago, Chile.
2018	Scholarship SatRdays 2018. Santiago, Chile.
2015	Young Investigator Trialist Grant. 12th Global CVCT Forum. Washington, DC. US.



Languages and Skills

Languages	Spanish (Native), English (B2 / Upper intermediate level. First Certificate in English Cambridge Test; TOEFL iBT), Portuguese (Fluent).
Hard skills	STATA®, R Studio, MS Excel®, MS Word®, MS PowerPoint®, EROS (Early Review Organizing Software), EndNote®, Zotero, Adobe Acrobat DC®, Adobe InDesign®, Data TreeAge®, PubmedSearch, Tripdatabase Search, VOSviewer, GRADEpro GDT, RevMan 5.
Soft skills	Organization, Critical thinking, Leadership, Listening, Respect, Open-Mindedness, Enthusiastic, Honest.



Courses related with Global and Public Health

Cancer Epidemiology - Harvard School of Public Health | Health-Related Quality of Life (HRQoL): Applications in Economic Evaluations and Population Health | Tools for the Critical analysis of Scientific Articles | Policy Implementation in Cardiovascular Prevention | Information Privacy Security (IPS) - Researchers - CITI Program - Harvard University | Introduction to Causal Inference | Program in Cardiovascular Epidemiology | Ethic Seminary (FLACSO) | Social & Behavioral Research Investigators - CITI Program - Harvard University | Workshop: Monitoring and evaluating project outcomes. International Development Research Center (IDRC) | R Programming A-Z™: R For Data Science|HarvardX: PH125.1xData Science: R Basics|GRADE Methodology of critical evaluation of evidence | Introducción a Ciencias de Datos en Salud UBA |Health Economics and Outcomes Research iMTA e-learning.



Publications

Peer-reviewed

NCD Risk Factor Collaboration (NCD-RisC). Repositioning of the global epicentre of non-optimal cholesterol. Nature. 2020;582(7810):73-77. doi:10.1038/s41586-020-2338-1

Monteverde E, **Santero M**, Bosque L, et al. A public-private collaborative model for a trauma program implementation: findings from a prospective trauma registry at 14 hospitals in Buenos Aires, Argentina [published online ahead of print, 2020 Mar 31]. Eur J Trauma Emerg Surg. 2020;10.1007/s00068-020-01348-7. doi:10.1007/s00068-020-01348-7

Hernández-Vásquez A, Rojas-Roque C, **Santero M**, Ruiz-Maza JC, Casas-Bendezú M, Miranda JJ. ¿Qué representa cambiar el umbral diagnóstico de la hipertensión arterial? Guías ACC/AHA 2017 y su aplicación en Perú [Changes in the prevalence of hypertension in Peru using the new guideline of the American College of Cardiology]. Rev Med Chil. 2019;147(5):545-556. doi:10.4067/S0034-98872019000500545

Santero M, Daray FM, Prado C, Hernández-Vásquez A, Irazola V. Association between religiosity and depression varies with age and sex among adults in South America: Evidence from the CESCAS I study. PLoS One. 2019;14(12):e0226622. Published 2019 Dec 16. doi:10.1371/journal.pone.0226622

Vargas-Fernandez, R, Rojas-Roque C, **Santero M**, Runzer-Colmenares F, Figueroa W (2019). Substance abuse in adolescents before admission to Peruvian juvenile detention centers: results from a national census in Peru, 2016. Int J Adolesc Med Health.

Poggio, R, Melendi, S, Beratarrechea, A, Gibbons, L, Mills K, Chen, C, Nejamis A, Gulayin, P, **Santero M**, Chen, J, Rubinstein A, He, J, Irazola V (2019). Cluster Randomized Trial for Hypertension Control: Effect on Lifestyles and Body Weight. *Am J Prev Med*. doi:10.1016/j.amepre.2019.05.011

Chaparro R, Melendi S, **Santero M**, et al. A review of assessment indicators used by Healthy Municipalities and Communities Program in Latin America and the Caribbean region. *Health Promot Int*. 2019. DOI: 10.1093/heapro/daz059

Santero M, et al. Socio-economic inequalities in smoking prevalence and involuntary exposure to tobacco smoke in Argentina. Analysis of three cross-sectional nationally representative surveys in 2005, 2009 and 2013. *PLoS ONE* 2019 *PLoS ONE* 14(6): e0217845. <https://doi.org/10.1371/journal.pone.0217845>

Hernández-Vásquez A, Rojas-Roque C, **Santero M**, Ruiz-Maza JC, Casas-Bendezú Mixsi, Miranda J. ¿Qué representa cambiar el umbral diagnóstico de la hipertensión arterial? Guías ACC/AHA 2017 y su aplicación en Perú. *Rev Med Chile* 2019; 147 (en imprenta)

Gulayin P, Lozada A, Beratarrechea A, Gutierrez L, Poggio R, Chaparro R, **Santero M**. ... Irazola V. (2019). An Educational Intervention to Improve Statin Use: Cluster RCT at the Primary Care Level in Argentina. *American Journal of Preventive Medicine*. doi:10.1016/j.amepre.2019.02.018

Hernández-Vásquez A, Bendezu-Quispe G, Azañedo D, **Santero M** (2019). Use of oral health care services in Peru: trends of socio-economic inequalities before and after the implementation of Universal Health Assurance. *BMC Oral Health*, 19(1), 39.

Moyano D, Morelli D, **Santero M**, Belizan M, Irazola V, Beratarrechea A. Perceptions and Acceptability of Text Messaging for Diabetes Care in Primary Care in Argentina: Exploratory Study. *JMIR Diabetes*. 2019;4(1):e10350. Published 2019 Mar 18. doi:10.2196/10350

Belizán M, Chaparro M, **Santero M**, Elorriaga Natalia, Kartschmit N, Rubinstein A, Iraolza V. Barriers and facilitators for the implementation and evaluation of community-based interventions to promote physical activity and healthy diet: a mixed methods study in Argentina. *International Journal of Environmental Research and Public Health*. Jan 14, 2019. pii: E213. doi: 10.3390/ijerph16020213

Hernández-Vásquez A, Rojas-Roque C, **Santero M**, Prado-Galbarro FJ, Rosselli D. Out-of-pocket payments in the health of Peruvian elderly: Analysis of the National Household Survey on living conditions and poverty 2017. *Rev Peru Med Exp Salud Publica*. 2018;35(3):1-10.

Hernández-Vasquez A, **Santero M**. New 2017 ACC/AHA hypertension guideline: Implications for a Latin American country like Peru. *Eur J Prev Cardiol*. 2018 Sep 5;2047487318799489. doi: 10.1177/2047487318799489.

Santero M et al. Using mHealth strategies in a Diabetes Management Program to improve the quality of care in Argentina: Study design and baseline data. *Primary Care Diabetes Journal*. Published online: August 27, 2018

Hernandez-Vasquez A, Nunez S, **Santero M**, Grendas L, Huarez B, Vilcarromero S, et al. Risk factors associated with drug use before imprisonment in Peru. *Revista española de sanidad penitenciaria*. 2018;20(1):11-20.

He J, Irazola V, Mills KT, Poggio R, Beratarrechea A, Dolan J, Chen CS, Gibbons L, Krousel-Wood M, Bazzano LA, Nejamis A, Gulayin P, **Santero M**, Augustovski F, Chen J, Rubinstein A; HCPIA Investigators. Effect of a Community Health Worker-Led Multicomponent Intervention on Blood Pressure Control in Low-Income Patients in Argentina: A Randomized Clinical Trial. *JAMA*. 2017 Sep 19;318(11):1016-1025. doi: 10.1001/jama.2017.11358. PMID: 28975305

Gulayin P, Irazola V, Lozada A, Chaparro M, **Santero M**, Gutierrez L, et al. Educational intervention to improve effectiveness in treatment and control of patients with high cardiovascular risk in low-resource settings in Argentina: study protocol of a cluster randomised controlled trial. *BMJ Open*. 2017;7(1).

Hernandez-Vasquez A, Bendezu-Quispe G, Diaz-Seijas D, **Santero M**, Minckas N, Azanedo D, et al. Spatial analysis of childhood obesity and overweight in Peru, 2014. *Revista Peruana de Medicina experimental y Salud Pública*. 2016;33(3):489-97.

Hernandez-Vasquez A, Bendezu-Quispe G, **Santero M**, Azanedo D. Prevalence of Childhood Obesity by Sex and

Presentations at scientific meetings

2019, Santiago, Chile. Latin R. LatinR, Conferencia Latinoamericana sobre Uso de R en Investigación + Desarrollo. "Using the 'nasapower' package to merge open source meteorological data to individual-level health data from the CESCAS I cohort study in Argentina, Chile, and Uruguay."

2019, Santiago, Chile. Latin R. LatinR, Conferencia Latinoamericana sobre Uso de R en Investigación + Desarrollo. "Data analysis using R of a Trauma Registry at 14 hospitals in Buenos Aires, Argentina".

2019, Santiago, Chile. Latin R. LatinR, Conferencia Latinoamericana sobre Uso de R en Investigación + Desarrollo. "Usos del paquete xgboost en R, Índice de trauma -vs- TRISS para predicción de mortalidad en pacientes traumatizados."

2019, Mar del Plata, Argentina. XVI Congreso de Gerontología y Geriatria. "Formación de cuidadores formales en Fundación Trauma: Experiencia del Seminario de Actualización en 7 ediciones (2012-2018)."

2019, Mar del Plata, Argentina. XVI Congreso de Gerontología y Geriatria. "Trauma en personas mayores: estudio epidemiológico a partir de un registro de base hospitalaria en los últimos 10 años."

2018, Mar del Plata, Argentina. XX Argentinian Congress of Diabetes. "Type 2 Diabetes in Primary Care: Systematization in response to the need for continuous and longitudinal care."

2018, Mar del Plata, Argentina. XV Congreso de Gerontología y Geriatria. "¿Cuáles Son Las Brechas de Conocimiento y Qué Priorizar En Investigación En Salud Mental Del Adulto Mayor? Estudio Multicéntrico Utilizando La Matriz De Estrategias Combinadas Para Argentina (MECA)."

2017, Buenos Aires, Argentina. 4th Latin America Congress on Controversies to Consensus in Diabetes, Obesity and Hypertension (CODHy LA) "A program to strength Diabetes care in primary care clinics in Corrientes: design and baseline results."

2016, Buenos Aires, Argentina. XX Argentinian Congress of Diabetes "Evaluación de la implementación de un programa integral para el manejo de la diabetes en la población de la provincia de corrientes: diseño y datos basales."

2015, Washington DC, United States 12th Global Cardiovascular Clinical Trialist Forum "A Comprehensive Approach for Hypertension Prevention and Control in Argentina. / An Educational Intervention to Improve Physician Effectiveness in the Detection, Treatment and Control for patients with Hypercholesterolemia and high Cardiovascular Disease risk in low-resource settings in Argentina."