

## PART I: GENERAL INFORMATION

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**Date of Birth** February 10<sup>th</sup>, 1990

### Degrees

Institution and Location	Degree	Completion Date	Field of Study
Universidad Peruana Cayetano Heredia, Peru	MBBS	12/2016	Medicine
Universidad Peruana Cayetano Heredia, Peru	MD	12/2016	Medicine
Imperial College London, UK	PhD	08/2022	Clinical Medicine Research (Public Health) – Epidemiology and Biostatistics

### Education, other

2025 Deep Learning with Python and Keras. Udemy (online certificate).  
2024 Generative AI for Natural Language Processing, Great Learning (online certificate).  
2024 Applied Data Science Program: Leveraging AI for effective Decision-Making, Massachusetts Institute of Technology (MIT) Professional Education, Boston, USA.  
2022 Unsupervised Methods for Statistical Machine Learning, Summer Institute in Statistics for Big Data, University of Washington (online), Seattle, WA, USA.  
2022 Supervised Methods for Statistical Machine Learning, Summer Institute in Statistics for Big Data, University of Washington (online), Seattle, WA, USA.  
2022 Deep learning for computer vision with R and Keras. Udemy (online certificate)  
2021 Deep learning for tabular data with R and Keras. Udemy (online certificate)  
2020 Data Science: Data Processing with Python Pandas, Imperial College London, London, UK  
2020 Data Science: Introduction to Machine Learning, Imperial College London, London, UK  
2019 Statistical Methods for Risk Prediction and Prognostic Models, Keele University, Keele, UK  
2019 Introduction to Python, Imperial College London, London, UK  
2019 Data Analytics (Machine Learning) with R, Universidad Peruana Cayetano Heredia, Lima, Peru  
2018 Causal Inference, Erasmus Summer Programme, Erasmus Medical Centre Netherlands Institute for Health Sciences, Rotterdam, Netherlands  
2017 MSc Module – Advanced topics in biostatistics, School of Medicine, Imperial College London, London, UK  
2017 MSc Module – Advanced regression, School of Medicine, Imperial College London, London, UK  
2017 MSc Module – Bayesian statistics, School of Medicine, Imperial College London, London, UK  
2017 MSc Module – Principles and methods of epidemiology, School of Medicine, Imperial College London, London, UK  
2017 MSc Module – Introduction to statistical thinking and data management, School of Medicine, Imperial College London, London, UK  
2017 Systematic Reviews Using Stata, Imperial College London, London, UK  
2017 Introductory Medical Statistics Course, National Heart and Lung Institute (Imperial College), London, UK  
2017 Introduction to R, Imperial College London, London, UK  
2014 Statistical Analysis with STATA. Universidad Peruana Cayetano Heredia, Lima, Peru  
2014 International Workshop on Design and Analysis of Cluster Randomized Trails and Step Wedge Design, Pontificia Universidad Catolica del Peru, Lima, Peru  
2013 Summer Institute of Tropical Medicine & Public Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, USA  
2011 Basic Concepts on Global Health, Universidad Peruana Cayetano Heredia, Lima, Peru.  
2010 IV Course to Write Research Proposals, Universidad Peruana Cayetano Heredia and Naval Medical Research Center Unit (NAMRU – 6), Lima, Peru  
2006-07 Communicative Methodology: English Teacher, Language School of the Pontificia Universidad Catolica del Peru; Lima, Peru

### Licensure and Certification

2022 IRB Members Basic/Refresher Course. Collaborative Institutional Training Initiative  
2020 Responsible Research Conduct. QUIPU - Centro Andino de Investigación y Entrenamiento en Informática para la Salud Global, Universidad Peruana Cayetano Heredia, Lima, Peru  
2013 Protection of Human Research Subjects. Collaborative Institutional Training Initiative

### Academic Appointments

- 2024- Assistant Professor – Global Health, Rollins School of Public Health, Emory University, Atlanta, GA, US
- 2022-2024 Associate Academic Research Scientist, Rollins School of Public Health, Emory University, Atlanta, GA, US
- 2021-2022 Member, Ethics Committee, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2019-2022 Postgraduate Researcher, Imperial College London, London, UK
- 2019-2022 Research Associate, CRONICAS Centre of Excellence in Chronic Diseases, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2017-2019 Global Health Clinical Research Training Fellow, Imperial College London, London, UK

### Government Appointments

- 2020-2021 Advisory group on COVID-19 data analysis, Ministry of Health, Peru. Ministerial Resolution [412-2020-MINSA](#).

### Professional Societies

- 2022- Member, International Society of Global Health (ISoGH)
- 2013-2014 Member, International Epidemiological Association
- 2017- Member, Peruvian College of Physicians

### Editorial Responsibilities

- 2013-2015 Member, Student Editorial Board. [Methods of Information in Medicine](#)

### Professional Activities

- 2015 Visiting Researcher, Duke Global Health Institute and Global Health Research Centre, Duke Kunshan University, Kunshan, China  
*Mentor: Lijing L. Yan*
- 2013-2019 Research Trainee. CRONICAS – Centre of Excellence in Chronic Diseases, Universidad Peruana Cayetano Heredia, Lima, Peru  
*Mentors: J. Jaime Miranda and Antonio Bernabé-Ortiz*
- 2012 Research Trainee. School of Public Health and Administration, Universidad Peruana Cayetano Heredia  
*Mentors: Patricia Garcia and José Perez Lu*
- 2011 Research Internship. Naval Medical Research Centre Unit-6 (NAMRU – 6)  
*Mentors: Mariana Ramos and Paulo Ruiz-Grosso*

### Employment

- 2016 Medical Intern, Department of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru

### Teaching Experience

- 2020-2022 Instructor, Epidemiological Research, School of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2020-2022 Instructor, Research Seminars – MSc Epidemiological Research, Graduate School, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2020-2021 Course lead and instructor, Systematic Reviews and Meta-Analysis, School of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru

### Formal Mentoring Experience

	Number
Graduated - Thesis supervisor for medical students, School of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru	10
Ongoing - Thesis supervisor for medical students, School of Medicine, Universidad Peruana Cayetano Heredia, Lima, Peru	0
Ongoing - Thesis supervisor for MSc Epidemiological Research, Graduate School, Universidad Peruana Cayetano Heredia, Lima, Peru	1
Graduated - Thesis tutor for MD/PhD PECEM Program, School of Medicine, Universidad Nacional Autonoma de Mexico, Mexico DF, Mexico	1
Ongoing – Thesis tutor for PhD, Facultad de Ciencias Medicas, Universidad Nacional de la Plata, Argentina	1

### Other Experience

- 2013-2014 President, Scientific Society of Medical Students “Cayetano Heredia” (SOCEMCH).

- 2011-2012 Universidad Peruana Cayetano Heredia, Lima, Peru  
Head, Scientific Committee of the Peruvian Medical Students Scientific Congress (SOCIMEP),  
Universidad Peruana Cayetano Heredia, Lima, Peru
- 2011-2013 Member, University Assembly, Universidad Peruana Cayetano Heredia, Lima, Peru

### Languages

- Spanish First language
- English Fluent: Certificate in Advanced English – Cambridge  
IELTS (Overall Band Score = 8)
- French Fair: DELF (Diplôme d'Études en Langue Française) B1

### Awards and Honours

- 2023 Early-Stage Investigator Lecture (ESIL), Office of Disease Prevention (ODP), National Institutes of Health (NIH), US
- 2022 Highest Scientific Production – Scopus & CONCYTEC, Lima, Peru
- 2017 Medical Student with the highest scientific production throughout medical training, School of Medicine “Alberto Hurtado”, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2014-16 Member with the Highest Scientific Contribution. SOCIMEP (Peruvian Scientific Society of Medical Students), Lima, Peru
- 2012 Scientific Member of the Year 2012. SOCIMEP (Peruvian Scientific Society of Medical Students), Lima, Peru
- 2012 Contest of Study Protocols. CTO-SOCIMEP (Peruvian Scientific Society of Medical Students), Lima, Peru
- 2012 Travel and Scholarship-Regional Grant Writing and Scientific Peer Review Workshop. NCI/NIH, Bogotá, Colombia
- 2011 Top 10 of Research Papers Contest at the 25<sup>th</sup> Peruvian Medical Students Scientific Congress SOCIMEP, Cuzco, Peru
- 2011 Scholarship - “Basic Concepts on Global Health”. School of Public Health and Administration, Universidad Peruana Cayetano Heredia, Lima, Peru
- 2007 Scholarship - Ruta Quetzal BBVA 2007. Universidad Complutense de Madrid and BBVA Bank, Madrid, Spain

### Computer Skills

- Python (intermediate+++)
- R (intermediate+++)
- STATA (intermediate++)
- MS Office, EndNote, Zotero, Mendeley

### Public Presentations and Media Appearances

- 2022 Conoce a los investigadores peruanos premiados por sus publicaciones científicas  
<https://andina.pe/agencia/noticia-conoce-a-los-investigadores-peruanos-premiados-sus-publicaciones-cientificas-918873.aspx>
- 2022 New Global Goals for Hypertension Screening, Treatment: Forecasted Survival Gains  
[https://www.medscape.com/viewarticle/977486#vp\\_1](https://www.medscape.com/viewarticle/977486#vp_1)
- 2022 El azúcar que no vemos: su consumo duplica el límite recomendado. <https://ojo-publico.com/3389/el-azucar-que-no-vemos-consumo-duplica-limite-recomendado>
- 2021 COVID-19 en Perú: ¿por qué el personal de salud debe recibir primero la vacuna?  
<https://elcomercio.pe/tecnologia/ciencias/coronavirus-quienes-deben-recibir-primero-la-vacuna-contra-el-covid-19-noticia-2/?ref=ecr>
- 2020 Coloquio de estudiantes de comunicaciones PUCP – comunicación en tiempos de pandemia.  
<https://www.facebook.com/ColoquioEstudiantesComunicaPUCP/videos/1051733491966405>
- 2020 ¿En qué momento de la pandemia estamos? Ojo Público.  
<https://ojo-publico.com/2138/el-principal-error-fue-crear-que-la-pandemia-era-de-corto-plazo>
- 2018 Research during School of Medicine, Adiecs - Investigación Estudiantil en Ciencias de la Salud, Universidad Nacional Mayor de San Marcos, Lima, Peru.  
<https://www.facebook.com/adiecs.unmsm/videos/1757436004301668/>
- 2017 Research during School of Medicine, School of Medicine “Alberto Hurtado”, Universidad Peruana Cayetano Heredia, Lima, Peru. <https://player.vimeo.com/video/212926584>

- 2017 Research during School of Medicine, Ethics in Research & Funding Sources. Universidad San Cristobal de Huamanga, Ayacucho, Peru. <https://goo.gl/96EfpM>
- 2016 The importance of scientific research in undergraduate education: successful experiences. Peruvian College of Physicians, Lima, Peru.

## **PART II: RESEARCH**

### **Ongoing Research Support**

NIH/NHLBI (UG3/UH3HL156388)

Title: Integrating HIV and hEART health in South Africa (iHEART-SA)

Investigators: Venter / Ali / Marconi (MPIs)

Role: co-I

Period: 09/25/2020 – 08/31/2025

### **Past Research Support**

Wellcome Trust, International Training Fellowship (214185/Z/18/Z)

Title: Risk-based Prevention of Heart Disease and Stroke in Latin America and the Caribbean: A Pooled Analysis of Prospective Cohorts and Population-Based Surveys.

Investigators: Carrillo-Larco RM (Fellow), Ezzati M (sponsor), Miranda JJ (sponsor)

Period: 2019-2022

Total Budget: USD \$338,159

Imperial College London – GCRF

Title: Imperial College-Latin America Big Data Diabetes Surveillance Consortium

Investigators: Gregg EW, Carrillo-Larco RM, Pearson-Stuttard J, Ezzati M

Period: 2019-2020

Total Budget: GBP £76,401.35

Imperial College Global Health Clinical Fellowship Scheme

Title: Predicting Risk of Fatal Cardiovascular Disease in Latin America: Recalibration of the GLOBORISK Score with Pooled Analysis of Prospective Cohorts in Latin America.

Investigators: Carrillo-Larco RM (Fellow), Ezzati M (sponsor), Miranda JJ (sponsor)

Period: 2017-2019

Total Budget: GBP £83,044

### **Reviewer for**

Journals

*Acta Medica Peruana*  
*BMC Public Health*  
*BMJ*  
*BMJ Open*  
*Circulation*  
*Communications Medicine*  
*eClinicalMedicine*  
*eLife*  
*Global Health, Epidemiology and Genomics*  
*Global Heart*  
*Hypertension*  
*JAHA – Journal of the American Heart Association*  
*Journal of Human Hypertension*  
*Journal of Epidemiology and Community Health*  
*Lancet Regional Health - Americas*  
*PeerJ*  
*Plos One*  
*Preventing Chronic Disease*  
*Rev Peru Med Exp Salud Publica*  
*Scientific Reports*

Funders

*Medical Research Council (MRC), UK*  
*National Institutes of Health (NIH), USA*  
*Vicerektorado de Investigación, Universidad Nacional Mayor de San Marcos, Peru*  
*Vicerektorado de Investigación, Universidad de Lima, Peru*  
*Vicerektorado de Investigación, Universidad Católica Santo Toribio de Mogrovejo, Peru*

*The Danish Heart Foundation, Denmark*  
*The Wellcome Trust/DBT India Alliance, India*  
*UK Research and Innovation (UKRI), UK*  
*Imperial College London, London, UK*  
*Universidad Peruana Cayetano Heredia, Lima, Peru*

Master's  
Dissertations

Undergraduate's  
Dissertations

### **Selected Research Media Coverage**

Preocupa la baja realización de evaluaciones oculares y de los pies en pacientes con diabetes de Latinoamérica (April 24<sup>th</sup>, 2024): [https://espanol.medscape.com/verarticulo/5912341#vp\\_1](https://espanol.medscape.com/verarticulo/5912341#vp_1)

Investigadores validan un nuevo score de riesgo cardiovascular para América Latina y el Caribe (July 18<sup>th</sup>, 2022): <https://www.eurekalert.org/news-releases/958778?language=spanish>

Reuters Health Information. New cardiovascular disease risk score targets Latin America, Caribbean (May 5<sup>th</sup>, 2022): <https://www.mdalert.com/news/article/new-cardiovascular-disease-risk-score-targets-latin-america-caribbean>

Medscape – Reuters Health Information. Simplified Blood Pressure Approaches May Be Appropriate for Population Screening (April 18<sup>th</sup>, 2022): <https://www.medscape.com/viewarticle/972901>

HealthDay. Simplified Approaches to Hypertension Screening Seem Reliable (April 6<sup>th</sup>, 2022): <https://consumer.healthday.com/simplified-blood-pressure-screening-approach-reliable-2657086087.html>

Drugs.com Simplified Approaches to Hypertension Screening Seem Reliable (April 6<sup>th</sup>, 2022): <https://www.drugs.com/news/simplified-approaches-hypertension-screening-seem-reliable-104596.html>

Medical Xpress. Simplified approaches to hypertension screening seem reliable (April 6<sup>th</sup>, 2022): <https://medicalxpress.com/news/2022-04-approaches-hypertension-screening-reliable.html>

Newsbreak. Simplified approaches to hypertension screening seem reliable (April 6<sup>th</sup>, 2022): <https://www.newsbreak.com/news/2564672485583/simplified-approaches-to-hypertension-screening-seem-reliable>

Today Headline. Simplified approaches to hypertension screening seem reliable (April 6<sup>th</sup>, 2022): <https://todayheadline.co/simplified-approaches-to-hypertension-screening-seem-reliable/>

McKnights Senior Living. Simplified approaches to hypertension screening seem reliable (April 6<sup>th</sup>, 2022): <https://www.mcknightsseniorliving.com/home/news/healthday-news/simplified-approaches-to-hypertension-screening-seem-reliable/>

DoctorsLounge. Simplified Approaches to Hypertension Screening Seem Reliable (April 6<sup>th</sup>, 2022): <https://www.doctorslounge.com/index.php/news/pb/108473>

Physician's Weekly. Simplified Approaches to Hypertension Screening Seem Reliable (April 6<sup>th</sup>, 2022): <https://www.physiciansweekly.com/simplified-approaches-to-hypertension-screening-seem-reliable>

Es posible tomar la presión arterial a más personas en menos tiempo: estudio (April 14<sup>th</sup>, 2022): <https://espanol.medscape.com/verarticulo/5908888>

Bebidas azucaradas: ¿quiénes las consumen más y por qué son peligrosas para la salud? La Republica (February 22<sup>nd</sup>, 2022): <https://larepublica.pe/sociedad/2022/02/21/bebidas-azucaradas-quienes-las-consumen-mas-y-por-que-son-peligrosas-para-la-salud-gaseosas-atmp/>

¿Quiénes consumen más bebidas azucaradas en el Perú y por qué es peligroso? El Comercio (February 22<sup>nd</sup>, 2022): <https://elcomercio.pe/tecnologia/ciencias/quienes-consume-mas-bebidas-azucaradas-en-el-peru-y-por-que-es-peligroso-noticia/?ref=ecr>

Diabetes de tipo 2 aviva el fuego de las infecciones resistentes a antibióticos: metanálisis Medscape (September 24<sup>th</sup>, 2021): <https://espanol.medscape.com/verarticulo/5907759>

Cholesterol levels in the Caribbean. What has the most comprehensive analysis of blood lipid levels in the Caribbean and Latin America revealed? The Naked Scientists (October 5<sup>th</sup>, 2020): <https://www.thenakedscientists.com/articles/interviews/cholesterol-levels-caribbean>

Low 'good' cholesterol levels found in Latin America and the Caribbean. EurekAlert | AAAS (August 18<sup>th</sup>, 2020): <https://www.eurekalert.org/news-releases/506763>

El consumo de sodio en Latinoamérica duplica los límites recomendados. Medscape (March 20<sup>th</sup>, 2020): <https://espanol.medscape.com/verarticulo/5905182>

Diabetes | Las zonas del Perú en las que más se ha incrementado este mal. El Comercio (21 de Febrero del 2020): <https://elcomercio.pe/tecnologia/ciencias/diabetes-las-zonas-del-peru-en-las-que-mas-se-ha-incrementado-este-mal-noticia/?ref=ecr>

Infografía: Diabetes mellitus tipo 2 en Perú: una revisión sistemática sobre la prevalencia e incidencia en población general (May 20<sup>th</sup>, 2019):

<https://www.facebook.com/rpmesp/photos/a.413723191992379/2439594299405248/?type=3&theater>  
Mortalidad 25% mayor en Latinoamérica por diabetes de tipo 2 que en países desarrollados. Medscape  
(February 25<sup>th</sup>, 2019): [https://espanol.medscape.com/verarticulo/5903714?src=soc\\_tw\\_share](https://espanol.medscape.com/verarticulo/5903714?src=soc_tw_share)

### PART III: PUBLICATIONS

[PubMed records, [personal](#)]

#### Pre-prints

#### Original Papers in Peer-Reviewed Journals

1. Carrillo-Larco RM, Bernabe-Ortiz A. [Trends in cardiometabolic risk factors according to body mass index in Peru between 2015 and 2023](#). Ann Epidemiol 2025. <https://doi.org/10.1016/j.annepidem.2025.03.006>.
2. Guzman-Vilca WC, Carrillo-Larco RM, Tarazona-Meza C. [Consumption of fruits and vegetables among Peruvian adults: Analysis of a national health survey 2017–2018](#). PLOS Global Public Health 2025;5(3): e0004222.
3. Martinez R, Muñoz-Venturelli P, Ordunez P, Fregni F, Abanto C, Alet M, Alvarez TF, Amaya P, Ameriso S, Arauz A, Barboza MA, Bayona H, Bernabé-Ortiz A, Calleja J, Cano-Nigenda V, Carbonera LA, Carrillo-Larco RM, Corredor A, de Souza AC, Jimenez C, Lanás F, Martins S, Navia V, Novarro-Escudero N, Olavarria V, Ovbiagele B, Pacheco-Barrios K, Pontes-Neto O, Pujol V, Rabinstein A, Rosales J, Rosende A, Sampaio Silva G, Saposnik G, Sen S, Testai FD, Urrutia V, Anderson CS, Lavados PM. [Risk and impact of stroke across 38 countries and territories of the Americas from 1990 to 2021: a population-based trends analysis from the Global Burden of Disease Study 2021](#). Lancet Reg Health Am 2025;43:101017.
4. Agurto-García RA, Nuñez-Del-Arco ES, Carrillo-Larco RM, Miranda JJ, Bernabe-Ortiz A. [Sleep duration, sleep disturbances and skeletal muscle mass change over time: A population-based longitudinal analysis in Peru](#). Wellcome Open Res 2024;9:565.
5. Zhang Y, Cheng Y, Carrillo-Larco RM, Zhou Y, Wang H, Xu X. [Postpartum depression in relation to chronic diseases and multimorbidity in women's mid- late life: a prospective cohort study of UK Biobank](#). BMC Med 2025;23(1):24.
6. Zila-Velasque JP, Carrillo-Larco RM, Bernabe-Ortiz A. [Differential effect of nonpharmacological interventions according to prediabetes phenotype: Systematic review and meta-analysis of randomized clinical trials](#). Diabet Med 2025:e15511.
7. Bazo-Alvarez JC, Del Castillo D, Piza L, Bernabé-Ortiz A, Carrillo-Larco RM, Smeeth L, Gilman RH, Checkley W, Miranda JJ. [Multimorbidity patterns, sociodemographic characteristics, and mortality: Data science insights from low-resource settings](#). Am J Epidemiol 2024:kwae466.
8. You Y, Zhou Y, Chen H, Kancheva AK, Carrillo-Larco RM, Yuan C, Xu X. [Association of chronic pain with incidence and progression of cardiometabolic multimorbidity in middle-aged and older populations: a multicohort study](#). Pain Rep 2024;10(1):e1211.
9. NCD Risk Factor Collaboration (NCD-RisC)(Pooled analysis and writing: Zhou B, Rayner AW, Gregg EW, Sheffer KE, Carrillo-Larco RM, Bennett JE, et al.). [Worldwide trends in diabetes prevalence and treatment from 1990 to 2022: a pooled analysis of 1108 population-representative studies with 141 million participants](#). Lancet 2024;S0140-6736(24)02317-1.
10. Escher NA, Carrillo-Larco RM, Parnham JC, Curi-Quinto K, Ghosh-Jerath S, Millett C, Seferidi P. [Longitudinal transitions of the double burden of overweight and stunting from childhood to early adulthood in India, Peru, and Vietnam](#). Int J Epidemiol 2024;53(6):dyae151.
11. Zhang Y, Kivimäki M, Carrillo-Larco RM, Cheng Y, Zhou Y, Wang H, et al. [Diurnal patterns of accelerometer-measured physical activity and sleep and risk of all-cause mortality: a follow-up of the National Health and Nutrition Examination Surveys \(NHANES\)](#). Int J Behav Nutr Phys Act 2024;21(1):120.
12. Bernabe-Ortiz A, Carrillo-Larco RM. [Eligibility for obesity management in Peru: Analysis of National Health Surveys from 2014 to 2022](#). Wellcome Open Res 2024;8:287.
13. Zhou Y, Kivimäki M, Lim CCW, Carrillo-Larco RM, Qi S, Wu X, Xu X. [Bidirectional Associations Between Cardiometabolic Multimorbidity and Depression and Mediation of Lifestyles: A Multicohort Study](#). JACC Asia. 2024 Aug 13;4(9):657-671.
14. Bernabe-Ortiz A, Carrillo-Larco RM. [Estimating the prevalence, factors, and conditions associated with Parkinson disease: a population-based study in Peru](#). Cad Saude Publica 2024;40(9):e00011324.
15. Carrillo-Larco RM, Bulstra CA, Manne-Goehler J, Siedner MJ, Johnson LCM, Marconi VC, et al. [Trends in body mass index for people with and without HIV: Pooled analysis of nationally-representative health surveys from 10 countries and 173,800 adults in Africa](#). PLOS Glob Public Health 2024;4(9):e0003640.
16. NCD Risk Factor Collaboration (NCD-RisC)(Pooled analysis and writing: Zhou B, Bennet JE, Wickham AP, Singleton RK, Mishra A, Carrillo-Larco RM, et al.). [General and abdominal adiposity and hypertension in eight world regions: a pooled analysis of 837 population-based studies with 7.5 million participants](#). Lancet 2024;404(10455):851-863.

17. Zhou Y, Kivimäki M, Yan LL, **Carrillo-Larco RM**, Zhang Y, Cheng Y, et al. [Associations between socioeconomic inequalities and progression to psychological and cognitive multimorbidities after onset of a physical condition: a multicohort study](#). *EClinicalMedicine* 2024;74:102739.
18. **Carrillo-Larco RM**. [Cardiovascular predicted risk: A population-based comparison of the pooled cohorts equation and prevent](#). *Int J Cardiol* 2024:132423.
19. Brant LCC, Miranda JJ, **Carrillo-Larco RM**, Flood D, Irazola V, Ribeiro ALP. [Epidemiology of cardiometabolic health in Latin America and strategies to address disparities](#). *Nat Rev Cardiol* 2024. doi: 10.1038/s41569-024-01058-2. Epub ahead of print. PMID: 39054376.
20. Zhou Y, Kivimäki M, Yan LL, **Carrillo-Larco RM**, Zhang Y, Cheng Y, Wang H, Zhou M, Xu X. [Associations between socioeconomic inequalities and progression to psychological and cognitive multimorbidities after onset of a physical condition: a multicohort study](#). *eClinicalMedicine* 2024; 74: 102739.
21. **Carrillo-Larco RM**. [Recognition of Patient Gender: A Machine Learning Preliminary Analysis Using Heart Sounds from Children and Adolescents](#). *Pediatr Cardiol*. 2024. doi.org/10.1007/s00246-024-03561-2
22. Anza-Ramirez C, Najarro L, Bernabé-Ortiz A, Diez-Canseco F, Fottrell E, Abubakar I, Hernández-Vásquez A, **Carrillo-Larco RM**, Hurst JR, Miranda JJ. [Multimorbidity and acute infectious diseases in urban and semi-urban settings in Peru: A mixed-methods study](#). *J Multimorb Comorb*. 2024;14:26335565241256826. doi: 10.1177/26335565241256826. PMID: 38798989; PMCID: PMC11119522.
23. **Carrillo-Larco RM**, Bravo-Rocca G, Castillo-Cara M, Xu X, Bernabe-Ortiz A. [A multimodal approach using fundus images and text meta-data in a machine learning classifier with embeddings to predict years with self-reported diabetes - An exploratory analysis](#). *Prim Care Diabetes*. 2024:S1751-9918(24)00074-3. doi: 10.1016/j.pcd.2024.04.002. Epub ahead of print. PMID: 38616442.
24. **Carrillo-Larco RM**, Guzman-Vilca WC, Varghese JS, Pasquel FJ, Caixeta R, Antini C, Bernabé-Ortiz A. [Compliance with eye and foot preventive care in people with self-reported diabetes in Latin America and the Caribbean: Pooled, cross-sectional analysis of nine national surveys](#). *Prim Care Diabetes*. 2024:S1751-9918(24)00041-X. doi: 10.1016/j.pcd.2024.03.001.
25. Cajachagua-Torres KN, Quezada-Pinedo HG, Guzman-Vilca WC, Tarazona-Meza C, **Carrillo-Larco RM**, Huicho L. [Vulnerable newborn phenotypes in Peru: a population-based study of 3,841,531 births at national and subnational levels from 2012 to 2021](#). *Lancet Reg Health Am*. 2024;31:100695. doi: 10.1016/j.lana.2024.100695. PMID: 38500961; PMCID: PMC10945436.
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1. Bravo-Rocca, G., Liu, P., Guitart, J., Dholakia, A., Ellison, D. and **Carrillo-Larco, RM** (2025). [Experience Replay and Zero-Shot Clustering for Continual Learning in Diabetic Retinopathy Detection](#). In Proceedings of the 20th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 2: VISAPP; ISBN 978-989-758-728-3; ISSN 2184-4321, SciTePress, pages 81-92. DOI: 10.5220/0013128600003912.