

Andrea Verhulst

CONTACT INFORMATION	Centre for Demographic Studies (CED) Carrer de Ca n'Altayó, Edifici E2 Universitat Autònoma de Barcelona 08193 Bellaterra, Barcelona <i>E-mail:</i> averhulst@ced.uab.es
ACADEMIC POSITION	Centre for Demographic Studies (CED), Barcelona <i>Researcher</i> 1/1/2023- University of Pennsylvania , Population Studies Center <i>Postdoctoral Fellow</i> 16/01/2018 - 31/12/2022 University of California, Los Angeles , California Center for Population Research <i>Belgian American Educational Foundation Fellow</i> 12/12/2016 -12/12/2017 University of Wisconsin-Madison , Center for Demography and Ecology <i>Honorary Fellow</i> 01/03/2015 - 31/12/2015 Université catholique de Louvain , Center for Demographic Research <i>PhD Student – Fellow of the Fund for Scientific Research</i> 01/10/2012 - 30/09/2016 Universidad Externado de Colombia , Ciencias Sociales y Humanas <i>External Lecturer</i> 01/05/2012 - 31/08/2012, 2012
EDUCATION	Université catholique de Louvain Doctorat, Demography, 06/12/2016 <ul style="list-style-type: none">• Dissertation: <i>Child Mortality Estimation: Revisiting Summary Birth History Methods with Microsimulation</i>, Supervisors: B. Masquelier and B. Schoumaker, Committee: P. Gerland (UN Pop Div), Prof. M. Guillot (INED/UPenn), and D. Tabutin (UCLouvain) Université catholique de Louvain MA, Population and Development Studies, 2011 Université Saint-Louis - Bruxelles BA, Sociology and Anthropology, 2008
PEER-REVIEWED PUBLICATIONS	Verhulst A. , J. Romero Prieto, N. Alam, H. Eilerts, P. Gerland, J. Katz, B. Lankoande, L. Liu, G. Pison, G. Reniers, S. Subedi, F. Villavicencio, and M. Guillot. 2022. “Divergent age patterns of under-5 mortality in south Asia and sub-Saharan Africa: a modelling study,” <i>The Lancet Global Health</i> , Online First. [Open access] Guillot M., J. Romero Prieto, A. Verhulst , and P. Gerland. 2022. “Modeling age patterns of under-5 mortality: Results from a log-quadratic model applied to high-quality vital registration data.” <i>Demography</i> , 59(1):321-347. [Open access] Subedi S., J. Katz, D. J. Erchick, A. Verhulst , et al. 2022. “Higher early neonatal mortality in boys is reversed in the 4th week of life: A pooled analysis from Nepal.” <i>BMJ Open</i> , 12:e056112. [Open access]

- Romero Prieto J., **A. Verhulst**, and M. Guillot. 2021. “Estimating the infant mortality rate from DHS birth histories in the presence of age heaping.” *PLOS One*, 16(11):e0259304. [Open access]
- Verhulst A.**, H. Beltrán-Sánchez, and A. Palloni. 2019. “Impact of delayed effects on human older age mortality.” *Demographic Research*, 40(41):1167–1210. [Open access]
- Verhulst A.**. 2016. “Child mortality estimation: an assessment of summary birth history methods using microsimulation.” *Demographic Research* 34(39):1075-1128. [Open access]
- Verhulst A.** 2012. “La estimación de la fecundidad a partir de las Encuestas Nacionales de Demografía y Salud. El problema de la mala ubicación de los nacimientos en el tiempo.” *Revista ib DANE*, 2. [Open access]
- UNDER REVIEW Romero Prieto J., **A. Verhulst**, and M. Guillot. “Estimating the average age of infant deaths: a flexible model life table based on newly collected data.” (*Demography*).
- Erchick D. J., S. Subedi, **A. Verhulst**, M. Guillot, and J. Katz. “Quality of vital event data for infant mortality estimation in population-based studies: An analysis of secondary data from Asia, Africa, and Latin America.” (*Population Health Metrics*).
- IN PROGRESS **Verhulst A.**, J. Romero Prieto, and M. Guillot. “New model life tables of under-5 mortality for south Asia and sub-Saharan Africa”
- Verhulst A.**, J. Romero Prieto, and M. Guillot. “Using incomplete vital registration data for estimating under-five mortality in low- and middle-income countries”
- Romero Prieto J. , **A. Verhulst**, N. Alam, V. Delaunay, M. Jasseh, S. Khagayi, G. Pison, M. Guillot, and G. Reniers, “Under-five mortality during the COVID-19 outbreak: evidence from four demographic surveillance systems in low-income countries.”
- Romero Prieto J., **A. Verhulst**, and M. Guillot. “Assessing the omission of early deaths in historical vital registration data.” (target journal: *Population Studies*)
- Erchick D. J., T. Lama, S. Subedi, **A. Verhulst**, M. Guillot, S. Khattry, and J. Katz. “Validating Demographic and Health Surveys retrospective pregnancy history vs. prospective records of pregnancy outcomes: Evidence from a cohort study in rural Nepal”.
- Bingöl S., **Verhulst A.**, A. Çavlin, and M. Guillot. “Examination of the completeness of mortality records under age 5 years in Türkiye at the provincial level (2009-2019)”.
- PUBLISHED DATA Guillot M., J. Romero Prieto, **A. Verhulst**, and P. Gerland. 2022. Under-5 Mortality Database (U5MD). [Machine-readable database]. Philadelphia: University of Pennsylvania. [Open access]
- R PACKAGE **A. Verhulst** and J. Romero Prieto. 2021. *logquad5q0. v0.1.0* (R package). [Open access]
- REPORT Beltrán-Sánchez H., A. Palloni, G. Pinto and **A. Verhulst**, 2018, “The Latin American Mortality Database (LAMBdA). Methodological Document (Preliminary Version).”[Open access]
- RESEARCH NOTE Arriaga E. E. and **A. Verhulst**, 2013, “Los años de esperanza de vida perdidos: un índice adecuado para el análisis de las causas de muerte en Colombia”, *Magazin Ib DANE*, 5. [Open access]

OTHER
PROFESSIONAL
EXPERIENCES

United Nations Children’s Fund (UNICEF), New York
Consultant

July, 2017 - November, 2017

Economic Commission for Latin America and the Caribbean (CEPAL), Santiago de Chile
Associate Researcher

January, 2014 - December, 2014

Departamento Administrativo Nacional de Estadística (DANE), Bogotá
Consultant for the United Nations Population Fund

October, 2011 - September, 2012

HONORS AND
AWARDS

- Belgian American Education Foundation Fellowship , 2016-17
- Visiting Fellow, University of Wisconsin-Madison, 2015
- Belgian Fund for Scientific Research Fellowship, 2012-2016
- Pierre-François Verhulst Prize 2010-2011 awarded for a high quality MA thesis in the field of the scientific study of population, French-Speaking and Flemish Demographic Societies (SDFB - VVD), 2012

CONFERENCE AND
SEMINAR
(AS PRESENTER)

- “Divergent age patterns of under-5 mortality in south Asia and sub-Saharan Africa”
- Seminar, Children’s Hospital of Philadelphia (Global Health Research Affinity Group), Philadelphia, 2022
- “The specificity of the age pattern of under-5 mortality in India”
- Indian HDSS Network Meeting, Pune, 2022
- “Assessing the omission of early deaths in historical vital registration data”
- 6th Human Mortality Database Symposium, Paris, 2022
- “Age patterns of under-5 mortality in South Asia and sub-Saharan Africa in the log-quad model”
- TAG meeting , UN Inter-agency Group for Child Mortality Estimation, Online, 2022
- “New data and models of under-5 mortality by detailed age”
- Seminar, Centre d’Estudis Demogràfics, Barcelona, 2022
- “Modeling age patterns of under-5 mortality by detailed age in South Asia and sub-Saharan Africa”
- Oral Session , EPC meeting, Groningen, 2022
- Oral Session , PAA meeting, Atlanta, 2022
- “Identifying new age patterns of under-5 mortality using the Under-5 Mortality Database”
- Oral Session , IPC meeting, Online, 2021
- Oral Session , PAA meeting, Online, 2021
- “Using incomplete vital registration data for estimating under-five mortality”
- Oral Session, IPC meeting, Online, 2021
- Oral Session, PAA meeting, Online, 2021
- TAG meeting , UN Inter-agency Group for Child Mortality Estimation, Online, 2021
- “Some thoughts about methods for analyzing summary birth histories”
- TAG meeting , WHO Reference Group for Health Statistics Mortality and Lifetables Taskforce, Online, 2021
- “Preliminary results of NIH project Global Age Pattern of Under-5 Mortality”

- TAG meeting , UN Inter-agency Group for Child Mortality Estimation, New York, 2020
- “Modeling age patterns of under-5 mortality: Results from a log-quadratic model applied to high-quality vital registration data”
 - Seminar, LSHTM (Population Studies Group), London, 2020
 - Seminar, UPenn (Population Studies Center), Philadelphia, 2019
 - TAG meeting, UN Inter-agency Group for Child Mortality Estimation, New York, 2018
- “Estimating the infant mortality rate from DHS birth histories in the presence of age heaping”
 - TAG meeting, UN Inter-agency Group for Child Mortality Estimation, New York, 2018
- “Exploring new indirect methods for estimating child and adolescent mortality”
 - TAG meeting, UN Inter-agency Group for Child Mortality Estimation, New York, 2017
- “Impact of delayed effects on human older age mortality”
 - Oral Session, PAA meeting, Washington DC, 2016
 - Seminar, UCLouvain (Center for Demographic Research), Louvain-la-Neuve, 2015
- “Child mortality estimation: an assessment of summary birth history methods using microsimulation”
 - TAG meeting, UN Inter-agency Group for Child Mortality Estimation, New York, 2017
 - Poster, PAA meeting, San Diego, 2015
 - Oral Session, ALAP Congress, Lima, 2014
- “Socsim Oversimplified Oversimplified”
 - Seminar, Demography Club at UPenn, Philadelphia, 2019
 - Seminar, CEPAL (Latin American and Caribbean Demographic Centre - CELADE), Santiago de Chile, 2014

COURSES	<ul style="list-style-type: none"> • Demographic Applications of Bayesian Models (summer course), Max Planck Institute for Demographic Research, 2016 • Statistics (Diplomado), Pontificia Universidad Católica de Chile, 2014
PROGRAMMING	R
LANGUAGES	French (native), English (fluent), Spanish (fluent), Greek (intermediate)

Last update: January, 2023