

José Manuel Aburto

CONTACT INFORMATION	University of Southern Denmark J.B. Winsløws Vej 9 DK-5000 Odense C +45 65 50 94 16 jmaburto@health.sdu.dk
RESEARCH INTERESTS	Demography, demographic methods, health, mortality, statistical modeling, lifespan equality, biodemography.
FORMAL EDUCATION	<p>PhD candidate in Demography, Max Planck Odense Center on the Biodemography of Aging, University of Southern Denmark, 2016-19. Supervisors: James W. Vaupel and Vladimir Canudas-Romo.</p> <p>European Doctoral School of Demography, Sapienza University of Rome & Max Planck Institute for Demographic Research, 2015-16. Supervisors: Alyson van Raalte and Tim Riffe</p> <p>M.Sc. Demography, El Colegio de Mexico, Mexico City, 2012-14. Supervisors: Hiram Beltrán-Sánchez and Victor M. García Guerrero</p> <p>B.S., Actuarial sciences, Universidad Autonoma de Guadalajara, Guadalajara, Mexico, 2005-09.</p>
PROFESSIONAL EXPERIENCE	<p>Consultancy. World Bank; Age- and Cause-Decomposition of the Difference in Life-Expectancy in Latin American and Caribbean Countries 2017</p> <p>Research Assistant. Max-Planck Odense Center on Biodemography of Aging; IST - EBB/Epidemiology, Biostatistics and Biodemography. University of Southern Denmark 2016-2017</p> <p>Assistant Director. Demographic Analysis Direction- Census Division. National Institute of Statistics and Geography (INEGI) 2010-2012</p> <p>Research Assistant. “Derecho a la Identidad: la cobertura del registro de nacimiento en Mexico en 1999 y 2009”. INEGI-UNICEF 2011-2012</p> <p>Risk Account Analyst. AON Risk Services (Guadalajara) 2007-2009</p>
TEACHING RESEARCH EXPERIENCE	<p>Teaching Assistant. Biostatistics I. University of Southern Denmark Fall term 2017</p> <p>Teaching Assistant. Demography & Economics. University of Southern Denmark Fall term 2017</p>

Teaching Assistant. Mathematical Analysis. Universidad Autonoma de Guadalajara.
July 2008 - February 2009

PUBLISHED
ARTICLES

Canudas-Romo, V., **Aburto, J.M.** (2017). “Biodemography of Aging Determinants of Healthy Life Span and Longevity”. *European Journal of Population*. <https://goo.gl/KZbPSu>.

Canudas-Romo, V., **Aburto, J.M.**, García-Guerrero, V., Beltrán-Sánchez, H. (2017), “Mexico’s Epidemic of Violence and its Public Health Significance on Average Length of Life”. *Journal of Epidemiology and Community Health*, 71(2), 188-193. doi:10.1136/jech-2015-207015

Aburto, J.M., Beltrán-Sánchez, H., García-Guerrero, V., Canudas-Romo, V. (2016), “Homicides In Mexico Reversed Life Expectancy Gains For Men And Slowed Them For Women, 2000-10”. *Health Affairs*, 35(1),88-95.

Aburto, J.M., García Guerrero, V.M. (2015) “El modelo aditivo doble multiplicativo. Una aplicación a la mortalidad mexicana”. *Papeles de población*, 21(84), 9-44.

BOOK
CHAPTERS

Lenart, A., **Aburto, J.M.**, Stockmarr, A., Vaupel, J.W. (2018). “The human longevity record may hold for decades”. In *Exceptional Lifespans*. Edited by H. Maier, B. Jeune, and J. W. Vaupel.

Villavicencio, F., **Aburto, J.M.** (2018). “Does the force of mortality increase after age 110?”. In *Exceptional Lifespans*. Edited by H. Maier, B. Jeune, and J. W. Vaupel.

REVIEW
PAPERS FOR

International Journal of Epidemiology
Health Affairs
Injury Prevention
Theoretical Population Biology
Genus
Papeles de Población

WORKING
PAPERS

Aburto, J.M., Riffe, T., Canudas-Romo, V. “ Avoidable mortality in Mexican states 1990-2015: the role of causes amenable to health behavior”

Aburto, J.M., van Raalte, A. “Lifespan variation in Central and Eastern Europe”

Aburto, J.M., Basellini, U., Kjærgaard, S., Vaupel, J.W. “Life Expectancy and Lifespan Equality: a Long-run Relationship”

RESEARCH
STAYS

University of Wisconsin-Madison.

Spring 2014

Mathematics Research Center (CIMAT).

Fall 2009

INVITED
PRESENTA-
TIONS

Life expectancy and lifespan equality: a long run relationship.
Max Planck Institute for Demographic Research, MaxNet aging. 2017

Pace and Shape of real vs lifetable’s age at death distributions.
Max Planck Institute for Demographic Research, MaxNet aging. 2017

Violence in Mexico in the first decade of the XXI century. Sapienza
University of Rome, with Vladimir Canudas-Romo. 2015

ACADEMIC
PRESENTA-
TIONS

Macro patterns in the evolution of human aging. BSPS Annual
Conference. Liverpool, UK. 2017

**Homicides increase variation in lifespans in Mexico and its States,
2005-2015.** BSPS Annual Conference. Liverpool, UK. 2017

Lifespan inequalities in Mexico and its states 1995-2015. International
Seminar on Mortality, Unicamp, Brazil. 2017

Human Mortality Database Symposium. Oral Presentation. Berlin,
Germany. 2017

Life expectancy and lifespan equality: a long run relationship.
Oral Presentation. PAA. Chicago, USA. 2017

Lifespan variation in Central and Eastern Europe. Poster Session.
PAA. Chicago, USA. 2017

Lifespan variation in Central and Eastern Europe. 9th Young
Demographers Conference. Prague, Czech Republic. 2017

Lifespan dispersion in Eastern Europe. European Population Confe-
rence. Mainz, Germany. 2016

	Homicide, Health, and Deviations from Best Practices Mortality: Mortality in Mexican States, 1990-2010. Poster Session. Population Association of America. Washington, D.C.	2016
	Estimación de la Mortalidad Mexicana por el Método de Lee-Carter y por el Modelo Aditivo Doble Multiplicativo Propuesto por Wilmoth. SOMEDE at Aguascalientes, Mexico.	2012
	Diagnóstico de la cobertura de los registros de nacimientos en México. SOMEDE at Aguascalientes, Mexico.	2012
PROFESSIONAL TRAINING	Workshop in “Matrix approaches in health demography”, Max Planck Institute for Demographic Research	2017
	Workshop in “Advanced statistics in biomedicine”, University of Southern Denmark	2016
	Workshop in “Intergenerational transfers and demographic transformations”, El Colegio de Mexico. Iván Mejía Guevara	2013
	Workshop in “Remote sensing applications to social science research”, El Colegio de Mexico. José Luis Silván	2013
	Workshop in “Multistate models”, El Colegio de Mexico. Alberto Palloni	2011
	Redatam Data Base Creation, Instituto Nacional de Estadística y Geografía	2011
	Applied Analytics Using SAS Enterprise Miner , Instituto Nacional de Estadística y Geografía	2011
	Generating Statistical Information, Instituto Nacional de Estadística y Geografía	2011
	Redatam Process, Instituto Nacional de Estadística y Geografía	2010
	School of mathematical and vector analysis, Centro de Investigación en Matemáticas	2009
	X School of probability and statistics, Centro de Investigación en Matemáticas	2009

First summer of research in probability and statistics, Centro de Investigación en Matemáticas 2008
Project: “Simultaneous Multiresponse Optimization”

AWARDS AND FELLOWSHIPS **Editor’s choice for the paper:** “Mexico’s Epidemic of Violence and its Public Health Significance on Average Length of Life” In *Journal of Epidemiology and Community Health*. <http://jech.bmj.com/content/71/2> 2017

National Council of Science and Technology (CONACYT) funding for a research stay. Spring 2014

National Council of Science and Technology (CONACYT) Studentship to pursue Master degree. 2012-2014

Actuarial Sciences cohort 2005-2009 BD *Summa Cum Laude*, Universidad Autonoma de Guadalajara 2009

National Program of Fellowships (PRONABE) Studentship to pursue BSc degree. 2005-2009

PRESS COVERAGE **Homicides In Mexico Reversed Life Expectancy Gains For Men And Slowed Them For Women, 2000-10. 2016, *Health Affairs***
New York Times: Reverberations From a Rise in Mexicos Murder Rate
<https://goo.gl/6nrfQR>
 (Spanish) <https://goo.gl/Q9A97F>
Der Spiegel: Drogenkrieg senkt Lebenserwartung mexikanischer Manner
<https://goo.gl/SriitK>
The Guardian: Mexico’s drug war reverses trend of rising male life expectancy, study finds <https://goo.gl/uFE6M7>
El País: Violence shortening average life expectancy in Mexico
<https://goo.gl/Q6B4vZ>
Vox: The war on drugs is literally killing Mexico <https://goo.gl/UNRBtf>
Independent <https://goo.gl/3LQn9h>
Sin Embargo <https://goo.gl/hnp9Qj>
Aristegui Noticias <https://goo.gl/w78KHD>
El Financiero <https://goo.gl/9bwN2n>

LANGUAGE ABILITIES **Spanish:** native speaker.
English: fluent.

Portuguese: good command.

Italian: good command.