

## José Manuel Aburto

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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><b>PhD candidate in Demography</b>, 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><b>European Doctoral School of Demography</b>, Sapienza University of Rome &amp; Max Planck Institute for Demographic Research, 2015-16. Supervisors: Alyson van Raalte and Tim Riffe</p> <p><b>M.Sc. Demography</b>, El Colegio de Mexico, Mexico City, 2012-14. Supervisors: Hiram Beltrán-Sánchez and Victor M. García Guerrero</p> <p><b>B.S., Actuarial sciences</b>, Universidad Autonoma de Guadalajara, Guadalajara, Mexico, 2005-09.</p>
PROFESSIONAL EXPERIENCE	<p><b>Consultancy.</b> World Bank; Age- and Cause-Decomposition of the Difference in Life-Expectancy in Latin American and Caribbean Countries 2017</p> <p><b>Research Assistant.</b> Max-Planck Odense Center on Biodemography of Aging; IST - EBB/Epidemiology, Biostatistics and Biodemography. University of Southern Denmark 2016-2017</p> <p><b>Assistant Director.</b> Demographic Analysis Direction- Census Division. National Institute of Statistics and Geography ( INEGI) 2010-2012</p> <p><b>Research Assistant.</b> “Derecho a la Identidad: la cobertura del registro de nacimiento en Mexico en 1999 y 2009”. INEGI-UNICEF 2011-2012</p> <p><b>Risk Account Analyst.</b> AON Risk Services (Guadalajara) 2007-2009</p>
TEACHING RESEARCH EXPERIENCE	<p><b>Teaching Assistant.</b> Biostatistics I. University of Southern Denmark Fall term 2017</p> <p><b>Teaching Assistant.</b> Demography &amp; 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. Book Review.”. *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

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