

## 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; Health Profile for Saudi Arabia 2018</p> <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>Lecturer.</b> Mathematical Demography: Decomposition techniques for health research. University of Southern Denmark, European Doctoral School of Demography Cohort 2017-2018</p>

**Teaching Assistant.** Biostatistics I. University of Southern Denmark  
Fall term 2017

**Lecturer.** Demography & Economics. University of Southern Denmark  
Fall term 2017

**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.**, van Raalte, A. “Lifespan dispersion in times of life expectancy fluctuation: the case of Central and Eastern Europe” Revise and Resubmit in Demography

**Aburto, J.M.**, Riffe, T., Canudas-Romo, V. “Inequalities and deterioration in average lifespan among adults in Mexico, 1990-2015: A cross-sectional demographic cause-of-death analysis” Revise and Resubmit in BMJ Open

Pascariu, MD., **Aburto, J.M.**, Basellini, U., Canudas-Romo, V. ‘The Linear Link: Deriving Age-Specific Death Rates from Life Expectancy’ Revise and Resubmit in Population Studies

**Aburto, J.M.**, Beltrán-Sánchez H. “Homicides in Mexico increased inequality of lifespans and slowed down life expectancy gains in 2005-2015 ” Under review in International Journal of Epidemiology

**Aburto, J.M.**, Wensink, M., van Raalte, A., Lindahl-Jacobsen, R. “Potential gains in life expectancy by reducing inequality of lifespans in Denmark: An international comparison and cause of death analysis ” Under review in BMC Public Health

Canudas-Romo, V., **Aburto, J.M.** “ The disparities in survival in Latin America and the Caribbean: Youth lost to homicides ” Under review in The Lancet

Alvarez-Martínez, J., **Aburto, J.M.**, Canudas-Romo, V. “Latin American convergence and divergence towards the mortality profiles of developed countries” Submitted to Population and Development Review

García, J., **Aburto, J.M.** “Violence in Venezuela reduced life expectancy gains and increased inequality of lifespans among males: The impact of homicides ” Intended for IJE

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

RESEARCH  
STAYS

**University of Wisconsin-Madison.**

Spring 2014

**Mathematics Research Center (CIMAT).**

Fall 2009

INVITED  
PRESENTA-  
TIONS

**La epidemia de violencia en México y su impacto en la salud de la población.** CIDE Region Centro, México. 2018

**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

**Potential gains in life expectancy by reducing inequality of lifespans in Denmark: a cause of death analysis.** Oral Presentation. PAA. Denver, USA. 2018

**Homicides in Mexico increased inequality of lifespans.** Poster Session. PAA. Denver, USA. 2018

**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 Conference. 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

	<p><b>First summer of research in probability and statistics</b>, Centro de Investigación en Matemáticas 2008</p> <p><i>Project: “Simultaneous Multiresponse Optimization”</i></p>
AWARDS AND FELLOWSHIPS	<p><b>Best poster award PAA 2018:</b> Homicides in Mexico increased inequality of lifespans 2018</p> <p><b>Editor’s choice for the paper:</b> “Mexico’s Epidemic of Violence and its Public Health Significance on Average Length of Life” In <i>Journal of Epidemiology and Community Health</i>. <a href="http://jech.bmj.com/content/71/2">http://jech.bmj.com/content/71/2</a> 2017</p> <p><b>National Council of Science and Technology (CONACYT) funding</b> for a research stay. Spring 2014</p> <p><b>National Council of Science and Technology (CONACYT) Student-ship</b> to pursue Master degree. 2012-2014</p> <p><b>Actuarial Sciences cohort 2005-2009 BD <i>Summa Cum Laude</i></b>, Universidad Autonoma de Guadalajara 2009</p> <p><b>National Program of Fellowships (PRONABE) Studentship</b> to pursue BSc degree. 2005-2009</p>
PRESS COVERAGE	<p><b>Homicides In Mexico Reversed Life Expectancy Gains For Men And Slowed Them For Women, 2000-10. 2016, <i>Health Affairs</i></b></p> <p><i>New York Times: Reverberations From a Rise in Mexicos Murder Rate</i> <a href="https://goo.gl/6nrfQR">https://goo.gl/6nrfQR</a></p> <p>(Spanish) <a href="https://goo.gl/Q9A97F">https://goo.gl/Q9A97F</a></p> <p><i>Der Spiegel: Drogenkrieg senkt Lebenserwartung mexikanischer Manner</i> <a href="https://goo.gl/SriitK">https://goo.gl/SriitK</a></p> <p><i>The Guardian: Mexico’s drug war reverses trend of rising male life expectancy, study finds</i> <a href="https://goo.gl/uFE6M7">https://goo.gl/uFE6M7</a></p> <p><i>El País: Violence shortening average life expectancy in Mexico</i> <a href="https://goo.gl/Q6B4vZ">https://goo.gl/Q6B4vZ</a></p> <p><i>Vox: The war on drugs is literally killing Mexico</i> <a href="https://goo.gl/UNRBtf">https://goo.gl/UNRBtf</a></p> <p><i>Independent</i> <a href="https://goo.gl/3LQn9h">https://goo.gl/3LQn9h</a></p> <p><i>Sin Embargo</i> <a href="https://goo.gl/hnp9Qj">https://goo.gl/hnp9Qj</a></p> <p><i>Aristegui Noticias</i> <a href="https://goo.gl/w78KHD">https://goo.gl/w78KHD</a></p> <p><i>El Financiero</i> <a href="https://goo.gl/9bwN2n">https://goo.gl/9bwN2n</a></p>
LANGUAGE ABILITIES	<p><b>Spanish:</b> native speaker.</p>

**English:** fluent.

**Portuguese:** good command.

**Italian:** good command.