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	**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. **European Doctoral School of Demography**, Sapienza University of Rome & Max Planck Institute for Demographic Research, 2015-16. Supervisors: Alyson van Raalte and Tim Riffe **M.Sc. Demography**, El Colegio de Mexico, Mexico City, 2012-14. Supervisors: Hiram Beltrán-Sánchez and Victor M. García Guerrero **B.S., Actuarial sciences**, Universidad Autonoma de Guadalajara, Guadalajara, Mexico, 2005-09.
Professional Experience	**Consultancy**. World Bank; Health Profile for Saudi Arabia 2018 **Consultancy**. World Bank; Age- and Cause-Decomposition of the Difference in Life-Expectancy in Latin American and Caribbean Countries 2017 **Research Assistant**. Max-Planck Odense Center on Biodemography of Aging; IST - EBB/Epidemiology, Biostatistics and Biodemography. University of Southern Denmark 2016-2017 **Assistant Director**. Demographic Analysis Direction- Census Division. National Institute of Statistics and Geography (INEGI) 2010-2012 **Research Assistant**. "Derecho a la Identidad: la cobertura del registro de nacimiento en Mexico en 1999 y 2009". INEGI-UNICEF 2011-2012 **Risk Account Analyst**. AON Risk Services (Guadalajara) 2007-2009
Teaching Research experience	**Lecturer**. Mathematical Demography: Decomposition techniques for health research. University of Southern Denmark, European Doctoral School of Demography Cohort 2017-2018

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

BMJ
International Journal of Epidemiology
Health Affairs
Injury Prevention
Theoretical Population Biology
Genus

Papeles de Población

<table>
<tr><td>WORKING
PAPERS</td><td>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</td></tr>
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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 American Journal of Public Health

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 " Under review in IJE

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

Aburto, J.M., Villavicencio, F., Vaupel, J.W. "Dynamics of life expectancy and lifespan equality"

RESEARCH
STAYS

	University of Wisconsin-Madison. Spring 2014
	Mathematics Research Center (CIMAT). Fall 2009

INVITED PRESENTATIONS

The impact of violence on lifespan inequality in Mexico. Tel Aviv University. 2018

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 PRESENTATIONS

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 Mortaliy, 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

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 deEstadística 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"

Best poster award PAA 2018: Homicides in Mexico increased inequality of lifespans   2018

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

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`

<table>
<tr><td>LANGUAGE
ABILITIES</td><td>

Spanish: native speaker.

English: fluent.

Portuguese: good command.

Italian: good command.

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