

# Randall Boyes

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## Employment History

Adjunct Professor	Queen's School of Policy	2015 – 2019
Research Assistant	University of Manitoba	2018 – Present
Teaching Assistant	Queen's University	2014 – 2017
Tutor	Queen's University	2010 – 2014

## Education

Ph.D. Epidemiology (Candidate)	Queen's University	2016 – Present
M.Sc. Epidemiology	Queen's University	2013 – 2015
B.Sc. Life Sciences	Queen's University	2009 – 2013

## Teaching Experience

### *Instructor*

MPA 806: Analytical Tools for Policy Research (4 years) 2016–2019

MPA 806 is an application-based statistics and research methods course taught to a small class of approximately 30 part time graduate students in the PMPA program. The 2017 class was co-taught with Dr. Alyson Mahar; the 2019 class with Brooke Linden.

MPA 805: Quantitative Analysis (3 years, 2 sections/year) 2015– 2016, 2018

MPA 805 is an introductory statistics course taught for approximately 80 full time graduate students in the MPA program. I developed the course material and have had full responsibility for its delivery.

### *Guest Lectures*

Queen's School of Policy: Statistics in Excel 2016 – 2018

EPID 901: Advanced Epidemiology. Dealing with Missing Data 2017

EPID 901: Advanced Epidemiology. Social Epidemiology 2017

Queen's School of Medicine CARL: Survival Analysis (w/Dylan O'Sullivan) 2016

EPID 901: Advanced Epidemiology. Interaction and Effect Modification 2016

EPID 901: Advanced Epidemiology. Propensity Score Matching 2016

### *Teaching Assistant*

EPID 301: Introduction to Epidemiology 2017 & 2019

EPID 803: Public Health and Policy in the Canadian Health System 2017

EPID 806: Applied Research Methods for Program Planning and Evaluation 2015

EPID 803: Public Health and Policy in the Canadian Health System 2014

### *Tutor*

EPID 821: Introductory Biostatistics 2014

Medical College Admission Test 2012 – 2013

MATH 122: Calculus for Students in Life Sciences 2010 – 2012

## Research Experience

### Publications

#### *Published*

**Boyes, R.**, O'Sullivan, D. E., Linden, B., McIsaac, M., & Pickett, W. (2017). Gender-specific associations between involvement in team sport culture and Canadian adolescents' substance-use behavior. *SSM-Population Health*, 3, 663-673.

**Boyes, R. D.**, Bielska, I. A., Fong, R., & Johnson, A. P. (2019). Caregiver Out-of-Pocket Costs for Octogenarian Intensive Care Unit Patients in Canada. *Canadian Journal on Aging/La Revue canadienne du vieillissement*, 38(1), 51-58.

#### *In Review*

Linden, B., **Boyes, R.**, Stuart, H. (2019) The Post-Secondary Stressors Index: Proof of Concept and Implications for Use. Currently under review at the *The Journal of American College Health*.

#### ***Oral Presentations (Conferences & Meetings, Only Presenting Authors Listed)***

Boyes R. (2019) The effect of community water fluoridation on the dental health of recruits in the Canadian Armed Forces. CIMVHR Forum, Ottawa.

Boyes R. (2019) The effect of community water fluoridation on the dental health of recruits in the Canadian Armed Forces. Canadian Society for Epidemiology and Biostatistics.

Boyes R. (2018) Diabetes Prevalence in Canadian Veterans. Canadian Institute for Military and Veteran Health Research Forum. Regina, SK. (Shortlisted for award)

Boyes R. (2017) Risks and benefits of Outdoor Active Play. Playability Project Meeting, University of British Columbia, Vancouver, BC.

Boyes R., O'Sullivan D.E., Linden B. (2017). Sport Participation and Substance Use in Canada (Oral Presentation). Queen's University Health Sciences Trainee's Day.

#### ***Poster Presentations***

(2019). The relationship between shift work and health-related quality of life in the United States. Canadian Society for Epidemiology and Biostatistics, Ottawa, ON. (Presented by Jennifer Ritonja)

(2019). Improving prediction of play behaviour using neighbourhood images. Canadian Student Health Research Forum, Winnipeg, Canada.

(2019). The effect of community water fluoridation on the dental health of recruits in the Canadian Armed Forces. CAHSPR, Halifax, NS (Presented by Dr. Alyson Mahar).

(2018). Gender-specific associations between team sport culture and adolescent substance use. Canadian Student Health Research Forum, Winnipeg, Canada.

(2013). Measuring care costs of elderly patients and their family caregivers in intensive care units. Aging and Society, Chicago, United States

(2013). Measuring care costs of elderly patients and their family caregivers in intensive care units. Queen's Health and Human Resources Conference, Kingston, Canada.

## Volunteer and Extracurricular Experience

Chancellor's Scholarship Application Review	2020
PhD Student Representative	2018 – 2019
FLA Science Fair Category Judge	2014 – 2017
Team Leader – Queen's University Allied for Essential Medicines	2013 – 2014
South Muskoka Memorial Hospital Auxiliary	2011 – 2013
Africa Inland Mission Internship: Ikotos, Sudan	2009
Shangilia Orphanage Volunteer: Kisumu, Kenya	2002 – 2008

## Awards and Funding

Queen's Graduate Award (\$6,000)	2019
CIHR Travel Award (\$1,000)	2019
Travel Award (Queen's University) (\$1,000)	2018
Dr. Robert John Wilson Fellowship (\$10,000/year, 2 years)	2017 – 2019
Fund for Scholarly Research and Creative Work and	2017

Professional Development (Adjuncts) (\$1,600)	
Ontario Graduate Scholarship (\$15,000)	2016 – 2017
Travel Award (Queen’s School of Graduate Studies) (\$750)	2013
Annie Bentley Lillie Prize in First Year Calculus (\$100)	2010
Queen’s University Excellence Scholarship (\$5,000)	2009

## Peer Review

CMAJ (4)	2017 – 2019
Maternal and Child Health Journal (1)	2018
Journal of Emerging Sport Studies (1)	2018
Health Promotion and Chronic Disease Prevention in Canada (1)	2017
Society for Medical Decision Making Abstract reviews (5)	2013 – 2018

## Thesis/Master’s Project Reviews

Emily Jewell. “Preconditions Favoring Successful Hospital Restructuring in Ontario.” Queen’s School of Policy Studies.	2017
Janderpreet Singh. “Impact of the adoption of a patient rostering model on primary care access.”(Unofficial)	2018

## Statistical Programming Experience

Beginner: Mathematica, Python, SQL, SPSS, Stan

Intermediate: C++, LaTeX

Advanced: SAS, R

## Graduate Courses Completed

EPID 821: Introductory Biostatistics	2013
EPID 822: Intermediate Biostatistics	2014
EPID 823: Advanced Biostatistics	2016
EPID 801: Introductory Epidemiology	2013
EPID 804: Intermediate Epidemiology	2014
EPID 901: Advanced Epidemiology	2017
EPID 803: Public Health and Policy in the Canadian Health System	2013
EPID 806: Applied Research Methods for Program Planning and Evaluation	2014
EPIB 633-I: Introduction to Pharmacoepidemiology (McGill)	2014
Statistical Rethinking: A Bayesian Statistics Course with R Examples	2017

## Additional Qualifications and Training

SAS Programming 1 & 2	2012
SAS Programming Certificate	2014
Cryptography in R (Matasano Cryptography Challenges)	2018