Identifying and evaluating patterns of prescription opioid use and associated risks in Ontario, Canada

Gomes, T.

Publication date
2017

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Curriculum Vitae and Portfolio
Curriculum Vitae

Tara Gomes was born on February 7, 1982 in Toronto, Canada. She graduated from secondary school at St. John’s Kilmarnock in 2000. Following her graduation, she moved to Guelph, Ontario to commence a Bachelor in Sciences degree after receiving the prestigious President’s Scholarship from the University of Guelph. During her undergraduate studies, she completed a summer research project in epidemiology that led to her interest in completing graduate work in this area. Tara completed her BSc degree with a major in mathematics and a minor in biology in April 2004 and was awarded with the W.C. Winegard Medal upon graduation. She then pursued a Master’s of Health Science in Community Health & Epidemiology at the University of Toronto between September 2004 and December 2005. During this degree, a practicum placement at the Canadian Institute for Health Information introduced her to analysis of large administrative databases, which led to her employment at the Institute for Clinical Evaluative Sciences (ICES) as a biostatistician in 2006. Over the next several years, she worked in both research and the provincial government, gaining expertise in pharmacoepidemiology and health policy. In 2008, she joined the Ontario Drug Policy Research Network as an epidemiologist, and became the Scientific Lead and co-Principal Investigator in 2011. Since this time, Tara has conducted research in a variety of drug policy topic areas, including diabetes, anticoagulation, antipsychotics, and opioids. She is currently a Scientist at ICES and St. Michael’s Hospital, and an Assistant Professor at the University of Toronto.
Portfolio

Tara Gomes
January 2011 to March 2017

**Supervisors:** Prof. Wim van den Brink & Dr. David Juurlink

**Publications**

PUBLICATIONS IN THESIS

**Published**


Gomes T, Paterson JM, Juurlink DN, Dhallia IA, Mamdani MM. Reformulation of OxyContin and Pharmacy Dispensing Patterns near the US-Canada border. Open Medicine. 2012. 6(4) e141-145.


**Submitted**

Gomes T, Juurlink DN, Mamdani MM, Paterson JM, van den Brink W. Prevalence and characteristics of opioid-related deaths involving alcohol in Ontario, Canada. Accepted by Drug and Alcohol Dependence.

OTHER PUBLICATIONS [FIRST OR SENIOR AUTHOR]

First Author


Gomes T, Juurlink D, Mamdani M. Comparative adherence to oxybutynin or tolterodine among older patients [Letter to Editor]. Eur J Clin Pharmacol. February 8, 2012. [E-Publication].


Senior Author


OTHER PUBLICATIONS RELEVANT TO THESIS

Kaplovitch E, Gomes T, Camacho X, Dhalla IA, Mamdani MM, Juurlink DN. Sex Differences in Dose Escalation and Overdose Death During Chronic Opioid Therapy: A Population-Based Cohort Study. PLOS ONE. 2015. 10(8): e0134550.


Note: Also co-author on an additional 71 peer-reviewed publications not listed above since 2011

**Grants**

<table>
<thead>
<tr>
<th>Grants</th>
<th>Year</th>
<th>Amount</th>
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<tbody>
<tr>
<td><strong>Ontario SPOR Patient-Oriented Research Capacity Building Initiatives Awards</strong></td>
<td>2017-2018</td>
<td>$34,958</td>
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<tr>
<td>Partners in Research: A patient-oriented research capacity building initiative for patients and researchers</td>
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<tr>
<td><strong>Ontario Ministry of Health and Long-Term Care</strong></td>
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<td>$300,000</td>
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<td>Ontario Drug Policy Research Network*</td>
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<td><strong>Canadian Institutes of Health Research</strong></td>
<td>2016-2018</td>
<td>$1,250,000</td>
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<td>Ontario Drug Policy Research Network*</td>
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<tr>
<td><strong>Ontario SPOR Support Unit</strong></td>
<td>2015-2018</td>
<td>$1,000,000</td>
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<td>CLEAN-MEDS study</td>
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<td><strong>Adopting Research To Improve Care (ARTIC)</strong></td>
<td>2015-2017</td>
<td>$449,758</td>
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<td>META:PHI Study</td>
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<td><strong>Canadian Institutes of Health Research</strong></td>
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<td>Health mothers, health families</td>
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<td><strong>Ontario Ministry of Health and Long-Term Care</strong></td>
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<td>$4,700,000</td>
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<td>Ontario Drug Policy Research Network*</td>
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<tr>
<td><strong>Canadian Institutes of Health Research</strong></td>
<td>2013-2014</td>
<td>$24,664</td>
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<td>'Take a Minute': Developing an online community of practice and tools to disseminate research evidence on opioid analgesics</td>
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</table>
Canadian Institutes of Health Research  
Early evaluation of the new Ontario narcotics monitoring system.  
2012-2014  $98,805

Canadian Institutes of Health Research  
Pregnancy outcomes among women using antipsychotic drugs.  
2012-2013  $97,708

Ontario Ministry of Health and Long-Term Care  
2011-2014  $2,814,586

*Indicates (co) principal investigator

## Teaching

**GUEST LECTURES**

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Year</th>
<th>Workload (hours)</th>
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<tbody>
<tr>
<td>Introduction to Models and Methods of Research in Clinical, Social &amp; Administrative Pharmacy: Using Health Services Research to Inform Healthcare Practice and Drug Policy, Faculty of Pharmacy, University of Toronto</td>
<td>2016</td>
<td>15</td>
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<tr>
<td>Introduction to Pharmacoepidemiology: Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto</td>
<td>2016</td>
<td>10</td>
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<tr>
<td>Critical Appraisal: Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto (two sessions)</td>
<td>2016</td>
<td>15</td>
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<tr>
<td>Introduction to Basic Descriptive and Inferential Statistics, Faculty of Pharmacy, University of Toronto (2 sessions)</td>
<td>2016</td>
<td>15</td>
</tr>
<tr>
<td>Introduction to Pharmacoepidemiology: Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto</td>
<td>2015</td>
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<tr>
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<td>2013</td>
<td>10</td>
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<tr>
<td>Critical Appraisal: Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto</td>
<td>2013</td>
<td>10</td>
</tr>
<tr>
<td>Graduate Seminar Series: Opioids in Ontario: Past, Present and Future. Graduate Seminar. Leslie Dan Faculty of Pharmacy, University of Toronto</td>
<td>2013</td>
<td>15</td>
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</tbody>
</table>
### Critical Appraisal:
**Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto**
2012 10

### Graduate Seminar Series:
**Controlling for unmeasured confounding in observational research: High dimensional propensity score matching**
2012 15

### Introduction to Basic Descriptive and Inferential Statistics, Faculty of Pharmacy, University of Toronto
2012 10

### Critical Appraisal:
**Nested Case-Control Study Designs, Faculty of Pharmacy, University of Toronto**
2011 10

### Introduction to Basic Descriptive and Inferential Statistics, Faculty of Pharmacy, University of Toronto
2011 15

### TUTORIAL INSTRUCTOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Year</th>
<th>Workload (Hours)</th>
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<tbody>
<tr>
<td>HAD5306: Introduction of Health Care Research Methodology. Institute for Health Policy, Management and Evaluation, University of Toronto</td>
<td>2015</td>
<td>80</td>
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<tr>
<td>HAD5306: Introduction of Health Care Research Methodology. Institute for Health Policy, Management and Evaluation, University of Toronto</td>
<td>2014</td>
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<tr>
<td>HAD5306: Introduction of Health Care Research Methodology. Institute for Health Policy, Management and Evaluation, University of Toronto</td>
<td>2013</td>
<td>80</td>
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<tr>
<td>HAD5306: Introduction of Health Care Research Methodology. Institute for Health Policy, Management and Evaluation, University of Toronto</td>
<td>2012</td>
<td>80</td>
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### SUPERVISING

<table>
<thead>
<tr>
<th>Student, Degree Type</th>
<th>Start of Supervision</th>
<th>Position</th>
<th>Workload (Hours)</th>
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<tbody>
<tr>
<td>Andrea Mastorakos, BSc</td>
<td>2016</td>
<td>Undergraduate Research Practicum</td>
<td>60</td>
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<tr>
<td>Rajwant Minhas, PharmD</td>
<td>2016</td>
<td>PharmD Research Rotation</td>
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<tr>
<td>Megan Harbin, PharmD</td>
<td>2016</td>
<td>PharmD Research Rotation</td>
<td>50</td>
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<tr>
<td>Lulu Gao, PharmD</td>
<td>2016</td>
<td>PharmD Research Rotation</td>
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<tr>
<td>Qi Guan, MSc</td>
<td>2015</td>
<td>Masters Co-Supervisor</td>
<td>200</td>
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<tr>
<td>Mike Benusic, MD</td>
<td>2015</td>
<td>Residency Research Elective (Co-Supervisor)</td>
<td>40</td>
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<tr>
<td>Herman Kwok, PharmD</td>
<td>2015</td>
<td>PharmD Research Rotation</td>
<td>60</td>
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<tr>
<td>Gavin Mast, BSc</td>
<td>2015</td>
<td>Summer Studentship Research Project</td>
<td>60</td>
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</tbody>
</table>
Luke Spooner, *BSc* 2015  
Summer Studentship Research Project 60

Bindu Nair, *MD* 2015  
Graduate Research Practicum 60

Jennifer Tung, *PharmD* 2014  
PharmD Research Rotation 50

Anthony Alamadio, *PharmD* 2014  
PharmD Research Rotation 50

Teegan Ignacy, *PharmD* 2013  
Research Project 40

Paul Foster,  
*Medical Student* 2013  
Research Project 40

Haris Vaid, *BSc* 2013  
Research Project 40

Jolanta Piszczek, *PharmD* 2012  
PharmD Research Rotation 50

Stephen Cornish,  
*Medical Student* 2012  
Research Project 40

Aleesa Carter, *PharmD* 2012  
PharmD Research Rotation 50

**PhD Training**

**COURSES AND SEMINARS**

<table>
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<tr>
<th></th>
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<th>Workload (Hours)</th>
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<tr>
<td>University of Toronto Science Leadership Program</td>
<td>2015</td>
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<tr>
<td>Scientist Knowledge Translation Training program</td>
<td>2016</td>
<td>8</td>
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<tr>
<td>American Academy of Clinical Toxicology Webinar: Postmortem Toxicology - What Every Toxicologist Should Know</td>
<td>2016</td>
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**Presentations**

**PUBLIC LECTURES**


INVITED PRESENTATIONS TO GOVERNMENT


OTHER INVITED PRESENTATIONS


CONFERENCE PRESENTATIONS


Committee and Expert Panel Membership

<table>
<thead>
<tr>
<th>Organization/Committee</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leslie Dan Faculty of Pharmacy. Committee on Academic Standing. University of Toronto, Toronto, Ontario</td>
<td>2016-present</td>
</tr>
<tr>
<td>St. Michael’s Hospital. Surviving Opioid Overdose with Naloxone. Toronto, Ontario</td>
<td>2014</td>
</tr>
</tbody>
</table>
Awards
1. 2016 Canada Health Infoway Data Impact Challenge II. Best Answer Award, Chronic Opioid Use category.
2. 2015 Recognition as one of Pharmacoepidemiology and Drug Safety’s Best Reviewers of the year.
3. 2015 Institute for Public Administration of Canada’s 2014 Bronze Public Sector Leadership Award for the Ontario Drug Policy Research Network
4. 2013 St. Michael’s Hospital Arthur Award for Project with Highest Research Impact.
5. 2009 Bruce Squires Award (CMAJ) for article most likely to influence clinical practice