

## Curriculum Vitae

Name: **Hee-Jin Jun**  
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### Education

09/1997- 10/2002	ScD	Social Determinants of Health (Ichiro Kawachi, MD PhD)	Harvard School of Public Health, Boston, MA
03/1991- 02/1993	MPH	Medical Sociology	Seoul Nat'l Univ. School of Public Health, Seoul, Republic of Korea
03/1978- 02/1983	BA	Major in Sociology, Minor in History	Ewha Woman's University, Seoul, Republic of Korea

### Faculty Academic Appointments

03/14- current	<b>Investigator/Adjunct Assistant Professor</b>	IBACH	SDSU Research Foundation/SDSU Graduate School of Public Health
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Designed and analyzed data for the study on health disparity by sexual minorities on health and health behaviors with Growing Up Today Study and Nurses' Health Study II: wrote SAS and Mplus statistical programming codes and carried out the data analysis, interpreting the results and preparing papers for publication in a peer-reviewed journal. Collaborated with faculty member on all analyses and contributed manuscript preparation. Prepared for a grant submission.

07/08-06/12	<b>Associate Epidemiologist/ Instructor of Medicine</b>	Channing Laboratory	Brigham & Women's Hospital and Harvard Medical School
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Designed and analyzed data for the study on developmental origins of BMI trajectory with Growing Up Today Study: wrote SAS and Mplus statistical programming codes and carried out the data analysis, interpreting the results and preparing papers for publication in a peer-reviewed journal. Collaborated with faculty member on all analyses and contributed manuscript preparation. Prepared for a grant submission.

10/05-06/08	<b>Research Associate</b>	(Rosalind J. Wright, MD)	Brigham & Women's Hospital and Harvard Medical School
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Led analyses of the association between exposure to violence and BMI trajectory. Worked with

the other investigators to maintain the GUTS cohort, plan questionnaires, and contribute to analyses and manuscript preparation.

## Postdoctoral Training

10/02-09/05	<b>Post-doctoral research fellow</b>	(Rosalind J. Wright, MD)	Brigham & Women's Hospital and Harvard Medical School, Boston, MA
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Designed, planned, organized and implemented large-scale epidemiologic studies exploring how chronic traumatic stress affects developmental and reproductive health in young adults by 1) examining the effect of co-occurrence of multiple forms of violence on health outcomes, and 2) using ongoing coercive control of the victim instead of the discrete events of violence. Specific jobs were to collect, record, analyze, and present the relevant data, including preparation of reports for publication in public health journals, presentations at professional conferences, and preparation for grant applications.

09/02-08/05	<b>Post-doctoral research fellow</b>	(Dolores Acevedo-Garcia, PhD)	Harvard School of Public Health
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Conducted research on the effects of single parenting with economic hardship on smoking behavior. The main question posed was whether single women in poverty with double burden (breadwinner and caregiver) are more likely to smoke than any other corresponding counterpart. Specific jobs were to collect, record, analyze, and present the relevant data, including preparation of reports of completed projects for publication in public health journals, and presentations at professional conferences.

## Professional Societies

2010-	Obesity Society	Member
2008-	Society for Research on Adolescence	Member
2002-	Society for Epidemiologic Research	Member
1999-	American Public Health Association	Member

## Editorial Activities

### • Ad hoc Reviewer

American Journal of Public Health	Annals of Epidemiology
American Journal of Preventive Medicine	Cancer Causes and Control
Childhood Abuse and Neglect	Journal of Adolescent Health
Journal of Epidemiology and Community Health	Women's Health Issues
Social Science and Medicine	

## Report of Funded and Unfunded Projects

### Funding Information

#### Current

2013-2018	Substance Discoders, Substance Use Treatment, and Sexual Orientation in Youth
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(Dr. Corliss)  
R01DA033974 (NIH/NHCHD)

**Co-investigator**

The major goal of this work is to examine substance disorders and barriers to substance use treatment among sexual-minority (lesbian, gay, and bisexual [LGB]) youths, using mixed methods approach. We will carry out analyses with the Growing Up Today Study 1 and 2, two longitudinal cohort studies that when combined include more than 27,000 youths.

- 2014-2017    Type 2 Diabetes and Sexual Orientation Disparities in Women (Dr. Corliss)  
R01DK099360 (NIH/NIDDK)  
**Co-Investigator**  
Type 2 Diabetes and Sexual Orientation Disparities in Women  
Epidemiologic study of sexual orientation disparities in type 2 diabetes and related risk factors in women participating in the Nurses' Health Study 2 cohort.
- 2011-2015    Imperial County Childhood Obesity Prevention (Dr. Ayala)  
U18DP003377-01 (CDC)  
**Co-investigator**  
The major goal of this demonstration study is to test a multi-level, multi-sector intervention to prevent and control childhood obesity.
- 2013-2015    Introducing Child Menus in Restaurants to Improve Access to Healthier Foods  
(Dr. Ayala)  
R21 HD071324 (NIH/NHCHD)  
**Co-investigator**  
This study proposes to change the restaurant food environment by modifying what is offered to children and promoting these changes through a marketing campaign and employees.

**Past**

- 2011-2012    Sexual Orientation and Obesity: Test of a Gendered Biopsychosocial Model (Dr. Austin)  
R01HD066963 (NIH/NHCHD)  
**Consultant**  
The major goal of this work is to test a conceptual model to explain sexual orientation- related disparities in obesity in adolescence and young adulthood in the Growing Up Today Study 1 and 2, two longitudinal cohort studies that when combined include more than 27,000 youths, and the National Longitudinal Study of Adolescent Health, a national longitudinal cohort study of more than 20,000 youths
- 2007-2012    Violence, Genes and Cardiovascular Events in Women (Dr. Rich-Edwards)  
5R01HL081557-03  
**Co-investigator**  
We proposed to examine types of abuse and life stages at abuse as predictors of

incident hypertension, hypercholesterolemia, diabetes, and cardiovascular disease events in a prospective cohort of 68,518 women who answered a detailed lifetime abuse questionnaire in 2001 in the NHSII.

- 2006-2011      Impact of Violence on Obesity and Reproductive Axes in Youth (Dr. Wright)  
5R01HD049889-04 (NIH/NICHD)  
**Co-investigator**  
We proposed to measure family violence exposure in a sub-cohort of adolescents and young adults participating in the Growing Up Today Study (GUTS). In addition, salivary cortisol rhythms were examined in relation to history of violence exposure and as a mediator between violence exposure and the proposed outcomes in a subsample ( $n = 1200$ ).
- 2010-2011      Social Determinants of Adverse Health Outcomes in Lesbian, Gay and Bisexual Youth:  
A Prospective Study of U.S. Adolescents (Drs. Jun [BWH-Sub] and Hatzenbuehler [Columbia-Prime])  
Robert Wood Johnson Foundation Health & Society Scholars Seed Grant  
**Sub-Principal Investigator**  
We proposed to examine whether lesbian, gay and bisexual (LGB) adolescents living in environments that are more hostile to sexual minorities would have greater increases in tobacco/alcohol use and depressive symptoms, compared to LGB adolescents living in more supportive environments.
- 2009-2011      Developmental Origins of BMI Trajectory Among Adolescents (Dr. Jun)  
R03 HD060202-02 (NIH/NICHD)  
**Principal Investigator**  
We proposed to examine the influence of prenatal and postnatal factors on BMI trajectory among youth transitioning from late childhood and adolescence into early adulthood. Given that obesity in childhood and adolescence increases risk for obesity in adulthood, research aimed at enhancing our understanding of potentially modifiable risk factors for an elevated BMI trajectory is important.
- 2007-2011      Breast and Colon Cancer in Lesbian and Bisexual Women: A Prospective Study (Dr. Austin)  
RSGT-07-172-04-CPPB (ACS)  
**Co-investigator**  
The goal of this work was to examine risk factors for breast cancer and colon cancer throughout the life course in lesbian, bisexual, and heterosexual women in the Nurses' Health Study II. In addition, we applied the Rosner-Colditz breast cancer prediction model and the Rosner-Wei colon cancer prediction model to examine sexual orientation group differences in risk.
- 2007-2011      Genetic Determinants of PTSD in Women (Drs. Karestan and Wright)  
5R01MH078928-03 (NIH/NIMH)

**Co-investigator**

We proposed to use the unique resource of the NHS II to conduct what promised to be the largest candidate gene association study of PTSD to date. We posited inherited vulnerability to PTSD was mediated by genetic variation in three specific neurobiological systems whose alterations were implicated in PTSD etiology: the hypothalamic-pituitary-adrenal axis, the locus coeruleus/noradrenergic system, and the limbic-frontal neuro-circuitry of fear.

- 2007      Review of Women's Health Promotion in the U.S. and Canada and Policy Implication in Korea (Dr. Kim)  
KWID 2007-8  
**Co-investigator**  
The objectives of the project were 1) to review women's health promotion programs in Korea, 2) to review the histories and processes of creating infrastructure for women's health promotion in the U.S and Canada, and 3) to draw policy implications from U.S. and Canadian cases.
- 2006-2007      Asthma Disparities: Advancing Multilevel Causal Models (Dr. Subramanian)  
K25HL081275 (NIH)  
**Participant**  
These multi-level analyses examined associations among individual- and neighborhood-level social environmental exposures on asthma onset and morbidity in two longitudinal datasets. Particular attention to methodological issues related to this field of work was given.
- 2005-2006      The Effect of Witnessing Family Violence in Childhood on Obesity (Dr. Jun)  
RWJF/Harvard Center for Society & Health  
**Principal Investigator**  
We proposed to examine the impact of children's exposure to family violence, a specific chronic psychosocial stressor, on their developmental health. The main hypothesis of the study was that high-level family violence exposure (witnessing family violence) during childhood increases the risk of obesity relative to lower-level or no family violence.
- 2005-2006      Experiences of Violence in Childhood and Adolescence in Lesbian, Bisexual, and Heterosexual Women in the Nurses' Health Study II (Dr. Austin)  
HMS Center of Excellence  
**Participant**  
The aim of this study was to examine sexual orientation group disparities in exposure to emotional, physical, and sexual maltreatment in childhood and adolescence and to assess the contribution of violence exposure to smoking and alcohol use during adulthood in lesbian, bisexual, and heterosexual women. This project was based on data from the Nurses' Health Study II, a large prospective cohort study of women.

- 2005-2006      Smoking and Quality of Life (Dr. Sarna)  
RWJF  
**Participant**  
The purpose of this work was to describe smoking trends among female nurses by analyzing changes in smoking status and quitting behaviors of participants in NHS I & II and the impact of smoking on QOL. We expect that these findings will be relevant to all women, especially RNs who are current or former smokers.
- 2005-2006      A Study on Suicide and Policy Development for Its Prevention: Multi-disciplinary Approach and International Comparison (Dr. Shin)  
NHIC 05-99  
**Co-investigator**  
To understand the problem of suicide in Korea, our goal was to identify the social conditions under which people commit suicide or which co-vary with the suicide rates. Through comparison with other countries, our second goal was to achieve understanding of situations specific to Korean society.
- 2002-2005      Poverty, Childcare Responsibility, and Women's Smoking (Dr. Acevedo-Garcia)  
L4002-02/3 (ASPH/American Legacy Foundation)  
**Co-Principal Investigator**  
The purpose of this work was (1) to analyze the relationship between poverty, childcare responsibility and women's smoking in the Tobacco Use Supplement of the Current Population Survey (TUS-CPS), 1995-1998; and (2) to analyze the contextual effect of state welfare policy, tobacco control policy, and women's status on women's smoking.
- 2000-2003      Chronic Life Stress and Incident Asthma in Adult Women (Dr. Wright)  
R01 HL64108-04 (NIH/NHLBI)  
**Co-investigator**  
The purpose of this work was to explore the role of stress in the expression of asthma. This was done prospectively by examining the association between a specific life stressor (i.e., intimate violence exposure) and adult-asthma among women participating in the Nurses' Health Study.

## **Report of Local Teaching and Training**

### **Laboratory and Other Research Supervisory and Training Responsibilities**

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|-----------|---|------------------------------------|
| 2014-2015 | Mentored/advised SDSU students and research fellows in the development of their research relationship with SDSU Research Foundation | <b>Adjunct assistant professor</b> |
| 2007-2010 | Assisted HSPH students and research fellows in the development of their research relationship with Channing Laboratory              | <b>Instructor</b>                  |

## Report of Scholarship

### Peer-reviewed publications in print or other media

#### Research Investigation

1. Hatzenbuehler ML, Jun H-J, Corliss HL, Austin SB. Structural stigma and sexual orientation disparities in adolescent drug use. *Addictive behaviors* 46:14-18, 2015
2. Katz-Wise SL, Jun H-J, Corliss HL, Jackson B, Haines J, Austin SB. Child Abuse as a Predictor of Gendered Sexual Orientation Disparities in BMI Trajectories Among U.S. Youth from the Growing Up Today Study. *J Adolesc Health* 54(6):730-738, 2014
3. Kubzansky LD, Bordelois P, Jun H-J, Roberts AL, Cerda M, Bluestone N, Koenen KC. The Weight of Traumatic Stress: A Prospective Study of Posttraumatic Stress Disorder Symptoms and Weight Status in Women. *JAMA psychiatry*. 71(1):44-51, 2014
4. Hatzenbuehler ML, Jun HJ, Corliss HL, Austin SB. Structural Stigma and Cigarette Smoking in a Prospective Cohort Study of Sexual Minority and Heterosexual Youth. *Ann Behav Med*. 47(1): 48-56, 2014
5. Mason SM, Wright RJ, Hibert EN, Spiegelman D, Jun H-J, Hu FB, Rich-Edwards, JW. Intimate Partner Violence and Incidence of Type 2 Diabetes in Women. *Diabetes Care*. 2013; 36(5):1159-1165
6. Rich-Edwards JW, Mason S, Rexrode K, Spiegelman D, Hibert E, Kawachi I, Jun HJ, Wright RJ. Physical and sexual abuse in childhood as predictors of early-onset cardiovascular events in women. *Circulation*. 2012 Aug 21;126(8):920-7.
7. Corliss HL, Wadler BM, Jun H-J, Rosario M, Wypij D, Austin SB. Sexual-Orientation Disparities in Cigarette Smoking in a Longitudinal Cohort Study of Adolescents. *Nicotine Tob Res*. 2013; 15 (1):213-222
8. Jun HJ, Corliss HL, Nichols LP, Pazaris MJ, Spiegelman D, Austin SB. Adult body mass index trajectories and sexual orientation: the Nurses' Health Study II. *Am J Prev Med*. 2012 Apr;42(4):348-54.
9. Jun H-J, Corliss H, Boynton-Jarrett R, Spiegelman D, Austin S, Wright R. Growing up in a domestic violence environment: relationship with developmental trajectories of body mass index during adolescence into young adulthood. *J Epidemiol Community Health*. 2011.
10. Boynton-Jarrett R, Rich-Edwards J, Jun H-J, Hibert EN, Wright RJ. Abuse in childhood and risk of uterine leiomyoma: the role of emotional support in biologic resilience. *Epidemiology*. 2011(1):6-14.
11. Jun H-J, Austin SB, Wylie SA, et al. The mediating effect of childhood abuse in sexual orientation disparities in tobacco and alcohol use during adolescence: results from the Nurses' Health Study II. *Cancer Causes Control*. 2010;21(11):1817-1828.
12. Rich-Edwards J, Spiegelman D, Lividoti Hibert E, et al. Abuse in childhood and adolescence as a predictor of type 2 diabetes in adult women. *Am J Prev Med*. 2010;39(6):529-536.
13. Sternthal MJ, Jun H-J, Earls F, Wright RJ. Community violence and urban childhood asthma: a multilevel analysis. *Eur Respir J*. Dec 2010;36(6):1400-1409.

14. Riley E, Wright R, Jun H-J, Hibert E, Rich-Edwards J. Hypertension in adult survivors of child abuse: Observations from the Nurses' Health Study II. *J Epidemiol Community Health*. 2010;64(5):413-418.
15. Kim MH, Jung-Choi K, Jun H-J, Kawachi I. Socioeconomic inequalities in suicidal ideation, parasuicides, and completed suicides in South Korea. *Soc Sci Med*. 2010 ;70(8):1254-1261.
16. Subramanian SV, Jun H-J, Kawachi I, Wright RJ. Contribution of race/ethnicity and country of origin to variations in lifetime reported asthma: evidence for a nativity advantage. *Am J Public Health*. 2009; 99:690-7
17. Sarna L, Bialous SA, Jun H-J, Wewers ME, Cooley ME, Feskanich D. Impact of smoking and smoking cessation on quality of life in women in the Nurses' Health Study. *Qual Life Res*. 2008; 17:1217-27
18. Sarna L, Bialous SA, Jun H-J, Wewers ME, Cooley ME, Feskanich D. Smoking trends in the Nurse's Health Study (1976-2003) *Nurs Res*. 2008;57(6):374-382.
19. Cho H-J, Khang YH, Jun H-J, Kawachi I. Marital status and smoking in Korea: the influence of gender and age. *Soc Sci Med*. Feb 2008; 66(3):609-619.
20. Austin SB, Jun H-J, Jackson B, Spiegelman D, Rich-Edwards J, Corliss HL, Wright RJ. Disparities in child abuse victimization in lesbian, bisexual, and heterosexual women in the Nurses' Health Study II. *J Womens Health* 2008 17: 597-606.
21. Jun H-J, Rich-Edwards JW, Boynton-Jarrett R, Austin SB, Frazier AL, Wright RJ. Child abuse and smoking among young women: the importance of severity, accumulation, and timing. *J Adolesc Health*. 2008;43(1):55-63.
22. Jun HJ, Rich-Edwards JW, Boynton-Jarrett R, Wright RJ. Intimate partner violence and cigarette smoking: association between smoking risk and psychological abuse with and without co-occurrence of physical and sexual abuse. *Am J Public Health*. 2008 98: 527-535
23. Jun H-J, Acevedo-Garcia D. The effect of single motherhood on smoking by socioeconomic status and race/ethnicity. *Soc Sci Med*. 2007;65(4):653-666
24. Acevedo-Garcia D, Pan J, Jun H-J, Osypuk T, Emmons K. The effect of immigrant generation on smoking. *Soc Sci Med*. 2005;61(6):1223-1242
25. Jun H-J, Subramanian SV, Gortmaker S, Kawachi I. Socioeconomic disadvantage, parenting responsibility, and women's smoking in the United States. *Am J Public Health*. 2004;94(12): 2170-2176
26. Jun H-J, Subramanian SV, Gortmaker S, Kawachi I. A Multilevel Analysis of Women's Status and Women's Self-Rated Health in the United States. *J Am Med Womens Assoc*. 2004 Summer;59(3):172-80.

### **Non peer-reviewed scientific or medical publications/materials in print or other media**

1. Jung J-J, Jun H-J, Chun H-R, Choi S-S, Kim Y-T. Review of Women's Health Promotion in the U.S. and Canada and Policy Implication in Korea, Korean Women's Development Institute Report 2007-8, Seoul, Republic of Korea. 2007



2. Kim MH, Chun SY, Jun, HJ, Jung IY, Park MH, Kim SJ, Shin YJ. A Study on Suicide and Policy Development for its prevention: Multi-disciplinary approach and international comparison, Management Center for Health Promotion, Seoul, Republic of Korea. 2006
3. Shin YJ, Kim MH, Jun, HJ. Kim SH (Trs.). Social Epidemiology Berkman L & Kawach I (Eds). Hanul. Seoul, Republic of Korea, 2002

## **Thesis**

1. Jun H-J. Gender Inequality and Health [D.Sc. dissertation]. Boston, Harvard School of Public Health. 2002.
2. Jun H-J. Analyses of the current status of hysterectomy in Korea. [MPH dissertation]. Seoul, Korea: Seoul National University, School of Public Health. 1993.

## **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

1. Jun H-J, Austin SB, Vankim N, Corliss H. Cigarette Smoking Trajectories among Lesbian, Bisexual and Heterosexual Women in the Nurses' Health Study II from Ages 14 to 64 Years. Abstract of the Society for Epidemiologic Research's 48<sup>th</sup> Annual Meeting, June 16-19, 2015 Denver, CO.
2. Jun H-J, Austin SB, Sari LR, Corliss H. Cigarette Smoking Cessation in Adolescents & Young Adults: Longitudinal Associations with Sexual Orientation. Abstract of the APHA 142<sup>nd</sup> annual meeting & Expo, November 15-19, 2014 New Orleans, LA
3. Jun H-J, Boynton-Jarrett R, Corliss H, Oken E, Austin SB, Wright RJ, and Gillman MW. Gestational Weight Gain and BMI Trajectory in Adolescence. Abstracts of the Obesity 2010: The 28th Annual Scientific Meeting of the Obesity Society, October 8-12, 2010 San Diego, CA.
4. Heather CL, Jun H-J, Rich-Edwards JW, Wright RJ, Austin SB. Developmental Trajectories of Cigarette Smoking in Sexual Minority Youth: Application of General Growth Mixture Modeling. Abstract of the 136th APHA Annual Meeting & Exposition, October 25-29, 2008, San Diego, CA.
5. Jun H-J, Heather CL, Boynton-Jarrett R, Austin SB, Rich-Edwards JW, Wright RJ. Developmental Trajectories of BMI during Childhood: Role of Household Intimate Partner Violence. Abstract of the 136th APHA Annual Meeting & Exposition, October 25-29, 2008, San Diego, CA.
6. Kim M-H, Jung-Choi K, Jun H-J. Time trends and inequalities of suicidal ideation, parasuicides, and suicides in South Korea. Abstracts of the 41st Annual Meeting of the Society for Epidemiologic Research, June 23-26, 2008 Chicago, IL.
7. Jun H. Acevedo-Garcia D. The effect of single motherhood on smoking by income and race/ethnicity. Abstract of the 13th World Conference on Tobacco OR Health to be held in Washington, DC, from July 12-15, 2006.
8. Jun H. Acevedo-Garcia D. Poverty, Childcare Responsibility, and Smoking in Women. Abstracts of the 2005 Joint Meeting of the Society for Epidemiologic Research and Canadian

Society for Epidemiology and Biostatistics, June 27-30, 2005 Toronto, Canada

9. Jun H-J, Chen J, Kawachi I, Rich-Edwards JW, Wright RJ. Time trends in smoking patterns among U.S. women in NHS I and II based on socioeconomic status: A birth cohort analysis. Abstracts of American Thoracic Society 2005 International Conference, May 20-25, 2005 San Diego, CA.
10. Jun H. Acevedo-Garcia D. Poverty, Childcare Responsibility, and Women's Smoking. Abstracts of STEP UP to Tobacco Control: Advancing the Role of Public Health and Public Health Professionals. April 14-16, 2004; St. Louis, MO
11. Jun H. Boynton-Jarrett R. Rich-Edwards JW. Wright RJ. Associations between the Women's Experience with Battering (WEB) scale and smoking in the Nurses' Health Study II. Abstracts of the 2003 National Meeting on Tobacco or Health; December 10-12, 2003; Boston, MA.
12. Jun H. Boynton-Jarrett R. Rich-Edwards JW. Speizer FE. Wright RJ. Violence and smoking initiation among women. Abstracts of the 131st Annual Meeting of the American Public Health Association; November 15-19, 2003; San Francisco, CA.
13. Jun H. Boynton-Jarrett R. Rich-Edwards JW. Speizer FE. Wright RJ. Exposure to violence throughout the life-course and smoking among women in the Nurses' Health Study II. Abstracts of the 36th Annual Meeting of the Society for Epidemiologic Research; June 11-14, 2003; Atlanta, GA.
14. Jun H. Gortmaker S. Berkman L. Subramanian SV. Kawachi I. Childcare responsibility and women's smoking: A multilevel Study. Abstracts of the 35th Annual Meeting of the Society for Epidemiologic Research; June 19-21, 2002; Palm Desert, CA.
15. Jun H-J. Gortmaker S. Berkman L. Subramanian SV. Kawachi I. Gender inequality in relation to female and male life expectancy: A cross-country analyses. Abstracts of the Second International Conference of the International Society for Equity in Health; June 14-17, 2002; Toronto, Canada.