



# Insecurity Insight

Data on People in Danger

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## CURRICULUM VITAE

**NAME** NATHAN TABACK  
**NATIONALITY** Canadian  
**LANGUAGES** English

## EXPERTISE

- Statistical analysis of armed violence data
- Database design of armed violence data
- Developing indicators of violence
- Armed violence as a public health issue
- Applied statistics and biostatistics
- Quantitative analysis appropriate for policy analysis
- Teaching University level statistics
- Statistical consulting

## EDUCATIONAL QUALIFICATIONS

- 1994 - 1998     PhD, Statistics, **University of Toronto, Canada**
- 1993-1994     MSc, Statistics, **University of Toronto, Canada**
- 1989-1993     BSc, Statistics and Philosophy, **University of Toronto, Canada**

## RECORD OF EMPLOYMENT

### ***Insecurity Insight, Geneva, Switzerland***

*Position: Co-director, since July 2008*

*Activities:*

- **Project development:** *Data collection framework and statistical consultation for ICRC study of attacks on humanitarian medical missions.*

### ***University of Toronto, Dalla Lanna School of Public Health, Toronto, Canada***

*Position: Assistant Professor, May 2004 - Present*

*Activities:*

- *Teaching Biostatistics*
- *Research in applied statistics*

### ***St. Michael's Hospital, Toronto, Canada***

*Position: Staff Scientist and Biostatistician, May 2004 – October 2008*

*Activities:*

- *Statistical consultant*
- *Conduct independent research programme*

### ***Harvard University, Boston, U.S.A.***

*Position: Research Scientist and Lecturer, August 2001 – March 2004*

*Activities:*

- *Senior statistician Adult AIDS Clinical Trials Group*
- *Undergraduate lecturer Harvard College*

### ***Glaxo-Wellcome Inc., Mississauga, Canada***

*Position: Biostatistician, February 2000 – February 2001*

*Activities:*

- *Statistical consultant on multiple clinical research projects*

### ***Harvard University, Boston, U.S.A.***

*Position: Research Associate, January 1999 – January 2000*

*Activities:*

- *Senior statistician Adult AIDS Clinical Trials Group*
- *Undergraduate lecturer Harvard College*

## INDEPENDENT CONSULTANCIES SINCE January 2006

*International Committee of the Red Cross, ICRC, Geneva, Switzerland, January 2006 – present*

- *Implementing Taback-Coupland model for monitoring violent attacks on humanitarian medical missions*
- *Implementing Taback-Coupland model for a global study of violent attacks on journalists*
- *Implementing Taback-Coupland model for a global study of violent attacks on ICRC personnel in the field.*

*Alliance Direct Action Against Rape in Conflict, Alliance DARC, Geneva, Switzerland, July to October 2007*

*Advising on statistical analysis and data collection on sexual violence committed by police and armed forces*

*Small Arms Survey, Institut universitaire de hautes études internationales, Geneva, Switzerland, September 2006 to November 2008*

*Advising on implementing the Taback-Coupland model for piloting a new approach for analysis and mapping of violence data. Case studies included Uganda, Nigeria, Nepal, and Mauritania.*

*Landmine Action (UK), London, England, May 2006 to present*

Advising on implementing the Taback-Coupland model for a global study on explosive weapons and violence.

## PUBLICATIONS

### Peer reviewed publications

- Fraser, D.A.S., McDunnough, P., and **Taback, N.** (1997). Improper priors, asymptotic normality and conditional inference. *Advances in the Theory and Practice of Statistics: A Volume in Honor of Samuel Kotz*. L. Johnson and N. Balakrishnan (eds.), New York, Wiley.
- Beitchman, J., Douglas, L., Wilson, B. Johnson, J., Young, A., Atkinson, L., Escobar, M., and **Taback, N.** Adolescent substance use disorders: findings from a 14-year follow-up of speech/language-impaired and control children. *J Clin Child Psychol.* 1999 Sep; 28(3): 312-21.
- Johnson, C.J., Beitchman, J.H., Young, A., Escobar, M., Atkinson, L., Wilson, B., Brownlie, E.B., Douglas, L., **Taback, N.**, Lam, I., and Wang, M. Fourteen year follow-up of children with and without speech/language impairments: speech/language stability and outcomes. *J Speech Lang Hear Res.* 1999 Jun; 42(3): 744-60.
- Johnson, C.J., **Taback, N.**, Escobar, M., and Beitchman, J.H. Local norming of the test of adolescent/adult language-3 in the Ottawa speech and language study. *J Speech Lang Hear Res.* 1999 Jun; 42(3): 761-6.
- Mandelcorn M, **Taback N.**, Mandelcorn E, Ananthanarayan C. Risk factors for pain and nausea following retinal and vitreous surgery under conscious sedation. *Can J Ophthalmol.* 1999 Aug; 34(5): 281-5.
- Woo, E., Pavlin, C., Slomovic, A., **Taback, N.**, and Buys, M. Ultrasound biomicroscopic quantitative analysis of light-dark changes associated with pupillary block. *Am J Ophthalmol.* 1999 Jan; 127(1): 43-7.
- Endrenyi, L., **Taback, N.**, and Tothfalusi, L. Properties of the estimated variance component for subject-by-formulation interaction in studies of individual bioequivalence. 2000 *Statist Med.* 19, 2867-2878.

## Peer reviewed publications

- **Taback, N.** Small sample inference in location scale models with Student( $\lambda$ ) errors. *Commun. Statist. Simula.* 2002 31(4), 557-566.
- Fabry, B, Maksym, G.N., Butler, J.P., Glogauer, M., Navajas, D., **Taback, N.A.**, Millet, E.J., and Fredberg, J.J. Time scale and other invariants of integrative mechanical behavior in living cells. *Physical Review E.* 2003 68, 041914 (1-18).
- **Taback, N.**, Coupland, R. Towards collation and modelling of the global cost of armed violence on civilians. *Med Confl Surviv.* 2005 Jan-Mar;21(1):19-27.
- **Taback N.**, Bradley C. Validation of the genital herpes treatment satisfaction questionnaire(GHerpTSQ) in status and change versions. *Qual Life Res.* 2006 Aug;15(6):1043-52..
- **Taback, N.**, Coupland R. (2006) Security of journalists: making the case for modelling armed violence as a means to promote human security. Thinking Outside the Box in Multilateral Disarmament and Arms Control Negotiations. Borrie, J. and Randin, V. (eds.), Geneva, United Nations Institute for Disarmament Research volume III.
- Sy Keiyan, Mahant S, **Taback N**, Vajsar J, Chait P, Friedman JF: Enterostomy tube placement in children with spinal muscular atrophy type 1. *J Pediatr.* 2006 Dec;149(6):837-9.
- **Taback, N.**, Coupland, R. The science of human security. *Med. Confl Surviv.* Jan-Mar 2007; 23(1):3-9.
- **Taback, N.** Comment. Increase in violent deaths of Iraqi journalists since the 2003 invasion. *Med. Confl Surviv.* April-June 2007; 23(2): 1-2.
- Riechelmann, R., Tannock, I., Wang, L., Saad, E., **Taback, N.**, and Krzyzanowska, M. Potential Drug Interactions and Duplicate Prescriptions among Cancer Patients. Journal of the National Cancer Institute. 2007 April; 99(8): 592-600.
- **Taback, N.**, Krzyzanowska, M. A survey of high impact clinical journals indicated most statistical methods presented are summary statistics. *Journal Clin Epidemiol.* 2008 Mar;61(3):277-81.
- **Taback, N.** Coupland, R. Comment. The Science of human security: A Response from Political Science. *Med. Confl Surviv.* Jan-Feb 2008; 24(1): 23-24.
- Sekeres, M., Gold, J.L., Chan, A., Lexchin, J., Moher, D., VanLaethem, M.L.P., Maskalyk, J., Ferris, L., **Taback, N.**, Rochon, P.A. Poor Reporting of Scientific Leadership Information in Clinical Trial Registers, *PLoS One* 3(2), Feb 2008.
- **Taback, N.** Painter, R., King B. Sexual violence in the Democratic Republic of the Congo. *JAMA.* 2008 Aug 13; 300(6):653-4.
- Lexchin, J., Sekeres, M., Gold, J.L., Ferris, L , Kalkar, SR, Wu W., VanLaethem, M., Chan, A.W., Moher, D., Maskalyk M.J., **Taback, N.**, Rochon, P.A. National Evaluation of Policies on Individual Financial Conflicts of Interest in Canadian Academic Health Science Centers. *J Gen Intern Med.* 2008 Aug 21.
- **Taback, N.** The Dirty War Index: Statistical Issues, feasibility, and interpretation. *PLoS Med* 5(12):e248.

## Published abstracts

- Endrenyi, L., Tothfalusi, L., Hao, Y., and **Taback, N.** (1998). Effects of uncertainties of the estimated variances on the evaluation of individual bioequivalence. *XIXth International Biometric Conference.* Cape Town, South Africa.
- Romanowski, B., Grant, Z., and **Taback, N.** (2000). An open design study to determine subject treatment preference of once daily valacyclovir as suppressive therapy versus valacyclovir twice daily episodic treatment for recurrent genital herpes infection. *40th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC).* Toronto, Canada.
- **Taback, N.**, and Bradley, C. (2000). Validation of the genital herpes treatment satisfaction questionnaire (GHERPTSQ) in status and change versions. *QOL Res.* 9: 245-246. The 2000 International Society for Quality of Life Research.

### **Published abstracts**

- Beitchman, J.H., Owen, A., Smith, M., Turrell, S., **Taback, N.** (2001). A randomized controlled trial comparing day treatment to outpatient treatment with disruptive behaviour disorders. American Academy of Child and Adolescent Psychiatry.
- Spence, J.M., Bandiera, G., Balu-Kakkar, P., **Taback, N.**, Hwang, S. (2007). Attitudes of Medical Trainees Towards Homeless Persons Presenting for Care in the Emergency Department. Conference on Research in Medical Education.
- Spence, J.M., Bandiera, G., Balu-Kakkar, P., **Taback, N.**, Hwang, S. (2007). Development of an Emergency Based Curriculum on Homeless: What do Medical Trainees Need to Know?

### **Unpublished reports**

- Gardham, M., and **Taback, N.** Estimation of the Risk of Acquiring a Blood Borne Pathogen During Dialysis as a Result of Transducer Protector Failure. A report for HIROC. 2004.
- Coupland, R.M., **Taback, N.** The Human Cost Project. Outcome of the Feasibility Study. Report to the International Committee of the Red Cross. Geneva, Switzerland, 2004

### **Presentations**

University of Alberta, Department of Public Health Sciences, Special Guest Lecture. Human Security, Armed Violence, and Public Health. April 24, 2008. Edmonton, Alberta, Canada.

6<sup>th</sup> International Conference on Urban Health. Predicting injury and mortality of journalists' working in dangerous regions. October 30, 2007. Baltimore, Maryland (declined).

COST Working Meeting on Using the Taback-Coupland Method for Human Security Mapping in Small Arms Survey Country Assessments. Predicting injury and mortality of journalists' working in dangerous regions. September 3, 2007. Geneva, Switzerland.

International Criminal Tribunal of the Former Yugoslavia, Legal Advisory Meeting. Sexual Violence in the Democratic Republic of the Congo. August 31, 2007. The Hague, The Netherlands.

Research in Progress, Centre for Research on Inner City Health. Predicting injury and mortality of journalists' working in dangerous regions. May, 2007.

ICES/CEU Rounds. Predicting injury and mortality of journalists' working in dangerous regions. March, 2007, Toronto, Ontario.

University of Toronto, Biostatistics seminar. Predicting injury and mortality of journalists' working in dangerous regions. March, 2007.

Toronto General Hospital Clinical Epidemiology Rounds. Bedside Statistics: What statistics are used in high impact medical evidence? Toronto General Hospital, Toronto, Ontario. March, 2007.

## Presentations

Child health and Evaluative Sciences. Predicting injury and mortality of journalists' working in dangerous regions. Hospital for Sick Children, Toronto, Ontario. January, 2007.

Paediatric Outcomes Research Team Rounds. Bedside Statistics: What statistics are used in high impact medical evidence? Hospital for Sick Children, Toronto, Ontario. November, 2006

Clinical Epidemiology Rounds. Bedside Statistics: What statistics are used in high impact medical evidence? St. Michael's Hospital, Toronto, Ontario. 2006.

WHO/UNFP/SSRC Technical Consultation of Sexual Violence and Exploitation Surveillance in Conflict Situations. An Analytic Framework of Armed Violence and Surveillance of Sexual and Gender-based in Conflict. Social Science Research Council, New York City, U.S.A. December 16, 2005.

The Role of Public Health in the Prevention of War-related Injury conference. An Analytic Framework of Armed Violence. Vienna, Austria, 2004.

Clinical Epidemiology Rounds. Validation of the GHerpTSQ. St. Michael's Hospital, Toronto, Ontario. 2004.

Department of Health Care and Epidemiology, University of British Columbia. Validation of the GHerpTSQ. Vancouver, British Columbia, 1999.

Clinical Epidemiology Rounds, St. Paul's Hospital. Validation of the GHerpTSQ. Vancouver, British Columbia, 1999.

Complications of HIV Section Meeting, Harvard School of Public Health. Understanding HIV and HCV Co-Infection. Boston, Massachusetts, 1999.

Department of Biostatistics, Eli Lilly Inc. Location, Scale, Shape Analysis. Indianapolis, Indiana, 1999.

Data management and Biostatistics Department, Glaxo Wellcome Inc. Introduction to Recursive Partitioning, 1999.

Biostatistics Seminar, University of Toronto. Classification of Environmental Hypersensitivity via Recursive Partitioning and Logistic Regression. (with G. Eyssen), Toronto, Canada, 1998.

### Poster Presentations

**Taback, N.**, and Bradley, C. (2000). Validation of the genital herpes treatment satisfaction questionnaire (GHERPTSQ) in status and change versions. The 2000 International Society for Quality of Life Research meeting. Vancouver, Canada.

Shah, R., Mitry, C., Moravac, C., **Taback, N.**, Nisenbaum, R., Meffe, F., Glazier, R., and Ray, J. (2006). Validation of an obstetrical database in an urban teaching hospital. Department of Obstetrics and Gynaecology Research Day, University of Toronto. Toronto, Canada.

Spence, J.M., Bandiera, G., Balu-Kakkar, P., **Taback, N.**, Hwang, S. (2007). Attitudes of Medical Trainees Towards Homeless Persons Presenting for Care in the Emergency Department. Conference on Research in Medical Education. 46<sup>th</sup> Annual Conference on Research in Medical Education.

Spence, J.M., Bandiera, G., Balu-Kakkar, P., **Taback, N.**, Hwang, S. (2007). Development of an Emergency Based Curriculum on Homeless: What do Medical Trainees Need to Know? 46<sup>th</sup> Annual Conference on Research in Medical Education.

Riechelmann, R.P., Dounaevskaia, V., **Taback, N.**, Krzyzanowska, M.K. (2007). Source of funding, conflict of interest and the interpretation of cancer clinical trials. American Society of Clinical Oncology.

Chau N, Ma Clement, Zimmerman C, **Taback N**, Krzyzanowska MK. Bereavement practices in oncology and palliative care: a survey of Canadian physicians. Accepted for *Making Connections: A Canadian Cancer Research Conference Celebrating the National Cancer Institute of Canada's 60<sup>th</sup> Anniversary*, Toronto, Ontario, November 2007 (poster presentation)