### **Accepted Manuscript**

Methods for Analyzing Matched Designs with Double Controls: Excess Risk is Easily Estimated and Misinterpreted When Evaluating Traffic Deaths

Donald A. Redelmeier, MD FRCPC MSHSR FACP, Robert J. Tibshirani, PhD

PII: \$0895-4356(17)30620-0

DOI: 10.1016/j.jclinepi.2018.02.005

Reference: JCE 9590

To appear in: Journal of Clinical Epidemiology

Received Date: 13 June 2017

Revised Date: 1 February 2018 Accepted Date: 4 February 2018

Please cite this article as: Redelmeier DA, Tibshirani RJ, Methods for Analyzing Matched Designs with Double Controls: Excess Risk is Easily Estimated and Misinterpreted When Evaluating Traffic Deaths, *Journal of Clinical Epidemiology* (2018), doi: 10.1016/j.jclinepi.2018.02.005.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



#### **ACCEPTED MANUSCRIPT**

# Methods for Analyzing Matched Designs with Double Controls: Excess Risk is Easily Estimated and Misinterpreted When Evaluating Traffic Deaths

## Donald A. Redelmeier, MD FRCPC MSHSR FACP [1, 2, 3, 4, 5] Robert J. Tibshirani, PhD [6, 7]

- [1] Department of Medicine, University of Toronto
- [2] Evaluative Clinical Sciences Program, Sunnybrook Research Institute
- [3] Institute for Clinical Evaluative Sciences
- [4] Division of General Internal Medicine, Sunnybrook Health Sciences Centre
- [5] Center for Leading Injury Prevention Practice Education & Research
- [6] Department of Biomedical Data Sciences, Stanford University
- [7] Department of Statistics, Stanford University

Correspondence: Donald A. Redelmeier

Sunnybrook Health Sciences Centre, G-151

2075 Bayview Ave,

Toronto, Ontario, CANADA M4N 3M5

voice: (416) 480-6999 fax: (416) 480-6048

e.mail: dar@ices.on.ca

Running Title: Misinterpreting Matched Designs

Key Words: Matched pairs; Self-matching; Risk perception;

Case only design; Minimization of bias; Crossover study

Word Count: 2,530

#### Download English Version:

## https://daneshyari.com/en/article/7518708

Download Persian Version:

https://daneshyari.com/article/7518708

<u>Daneshyari.com</u>