

# Michael L. Jackson, PhD, MPH

Curriculum Vitae  
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Assistant Scientific Investigator  
Group Health Research Institute  
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## Education

PhD Epidemiology. University of Washington, School of Public Health and Community Medicine 2007

MPH Epidemiology. University of Washington, School of Public Health and Community Medicine. 2004

BA Biological Sciences. Cornell University College of Arts and Sciences. 1998

## Professional Positions

2010-present	Assistant Scientific Investigator Group Health Research Institute
2008-2010	Epidemic Intelligence Service Officer Centers for Disease Control and Prevention
2007-2008	Postdoctoral Fellow Group Health Center for Health Studies
2002-2007	Graduate Research Associate Group Health Center for Health Studies
2004-2006	Epidemiologist Public Health- Seattle & King County
2003	Intern Public Health- Seattle & King County
1999-2002	Laboratory Technician Baker Institute, Cornell University

## Teaching experience

Teaching Assistant for Epidemiology 532: "Epidemiology of infectious diseases in resource-limited countries" (Spring 2007), taught by Scott McClelland

Teaching Assistant for Epidemiology 510: "Epidemiologic data analysis" (Winter 2007), taught by Steven Hawes

Teaching Assistant for Epidemiology 511: "Introduction to epidemiology for non-majors (Autumn 2006), taught by Walter "Bud" Kukull

## Honors and Awards

- 2009 J. Virgil Peavy Award, innovative use of statistics in an epidemiologic investigation. Epidemic Intelligence Service Annual Conference, Atlanta 2009
- 2004 Outstanding Student in Epidemiology, School of Public Health and Community Medicine, University of Washington
- 1998 Graduated with distinction in all subjects, College of Arts and Sciences, Cornell University

## Papers Published in Peer-Reviewed Journals

Burton-Wurster N, Chen H, Gendelman R, **Jackson ML**, Gagliardo LF, Gu da N, Zelko RR, Lust G, and MacLeod JN. "Specific immunological detection of the (V+C)(-) fibronectin isoform." *Matrix Biology* 2002; 21(5):393-8.

**Jackson ML**, Neuzil KM, Thompson WW, Shay DK, Yu O, Hanson CA, Jackson LA. "The burden of community-acquired pneumonia in seniors: results of a population based study." *Clinical Infectious Diseases* 2004. 39(11):1642-50.

Jackson LA, **Jackson ML**, Nelson JC, Neuzil KM, Weiss NS. "Evidence of bias in estimates of influenza vaccine effectiveness in seniors." *International Journal of Epidemiology* 2006; 35(2):337-44

**Jackson ML**, Baer A, Painter I, Duchin J. "A simulation study comparing aberration detection algorithms for syndromic surveillance." *BMC Medical Informatics and Decision Making* 2007; 7:6

**Jackson ML**, Nelson JC, Chen RT, Davis RL, Jackson LA. "Vaccines and changes in coagulation parameters in adults on chronic warfarin therapy: a cohort study." *Pharmacoepidemiology and Drug Safety* 2007; 16:790-6

**Jackson ML**, Nelson JC, Weiss NS, Neuzil KM, Barlow W, Jackson LA. "Influenza vaccination and risk of community-acquired pneumonia in immunocompetent elderly people: a population-based, nested case-control study." *Lancet* 2008; 372(9639):398-405

Nelson JC, **Jackson ML**, Yu O, Whitney CG, Bounds L, Bittner R, Zavitkovsky A, Jackson LA. "Impact of the introduction of pneumococcal conjugate vaccine on rates of community acquired pneumonia in children and adults." *Vaccine* 2008; 26(38): 4947-54

Nelson JC, **Jackson ML**, Weiss NS, Jackson LA. "New strategies are needed to improve the accuracy of influenza vaccine effectiveness estimates among seniors." *J Clin Epidem* 2009; 62(7):687-94

**Jackson ML**, Nelson JC, Jackson LA. "Risk Factors for Community-Acquired Pneumonia in Immunocompetent Seniors." *J Am Geriat Soc* 2009; 57(5): 882-8

### **Papers Published in Peer-Reviewed Journals, continued**

**Jackson ML.** “Confounding by season in ecologic studies of seasonal exposures and outcomes: examples from estimates of mortality due to influenza.” *Ann Epidem* 2009; 19(10): 681-91

Dublin S, **Jackson ML**, Nelson JC, Weiss NS, Larson E, Jackson L. “Statin use and risk of community-acquired pneumonia in the elderly: results of a population-based case-control study.” *BMJ* 2009; 338: b2137

France AM, **Jackson M**, Schrag S, Lynch M, Zimmerman C, Biggerstaff M, Hadler J. “Household transmission of 2009 influenza A (H1N1) virus after a school-based outbreak in New York City, April–May 2009.” *J Infect Dis* 2010; 201(7): 984-92

Dublin S, Walker RL, **Jackson ML**, Nelson JC, Weiss NS, Jackson LA. “Use of proton pump inhibitors and H2 blockers and risk of pneumonia in older adults: a population-based case-control study.” *PharmacoEpidemiology and Drug Safety* 2010; 19(8):792-802

Donnelly CA, Finelli L, Cauchemez S, Olsen SJ, Doshi S, **Jackson ML**, et al. “Serial intervals and the temporal distribution of secondary infections within households of 2009 pandemic influenza A (H1N1) — Implications for influenza control recommendations.” *Clin Infect Dis* 2010 (in press)

### **Submitted Manuscripts**

**Jackson ML**, Nelson JC, Jackson LA. “Administrative Data May Not Be Sufficient to Remove Confounding in Pharmacoepidemiology Studies of Therapy Effectiveness Among Seniors.”

### **Papers in Non-Peer-Reviewed Publications**

“Continued shortage of Haemophilus influenzae Type b (Hib) conjugate vaccines and potential implications for Hib surveillance--United States, 2008.” *MMWR Morb Mortal Wkly Rep*, 2008; 57(46):1252-5.

### **Book Chapters**

Cohn A, **Jackson ML**. “Meningococcal Disease”. In: *CDC Health Information for International Travel 2010*, edited by Brunette GW. Mosby Elsevier Inc., 2009

### **Invited Talks**

Systematic comparison of aberration detection algorithms. American Statistical Association: Quantitative Methods in Defense and National Security, Santa Monica, 2006.

### **Talks given at scientific conferences**

Systematic comparison of aberration detection algorithms. Syndromic Surveillance Conference, Seattle, 2005.

Risk indices based on administrative data failed to control for confounding caused by healthy user bias. International Congress of Pharmacoepidemiology, Quebec City, 2007.

*Haemophilus influenzae* type b vaccine shortage and surveillance for invasive *Haemophilus influenzae* disease — United States, 2007–2008. National Immunization Conference, Dallas, 2009.

Predicting the effects of the *Haemophilus influenzae* type b (Hib) vaccine shortage on the incidence of Hib in children <5 years of age – United States. Epidemic Intelligence Service Annual Conference, Atlanta, 2009. Peavy award winner.

### **Posters presented at scientific conferences**

“Epidemiology of community-acquired pneumonia in a highly vaccinated population of older adults.” Infectious Disease Society of America, San Diego, 2003.

“Feasibility of population-based surveillance for outpatient pneumonia using electronically available dictated chest radiograph reports.” Infectious Disease Society of America, Boston, 2004.

“Influenza vaccine does not reduce the risk of community-acquired pneumonia in immunocompetent seniors.” Infectious Disease Society of America, San Diego, 2007

### **Letters to the editor**

Dublin S, Weiss NS, Nelson JC, **Jackson ML**. “Statins and outcomes in patients with pneumonia: potential sources of bias.” (published on-line) A response to Majumdar SR et al “Statins and outcomes in patients admitted to hospital with community acquired pneumonia: population based prospective cohort study.” BMJ 2006; 333:999.

**Jackson ML**, Weiss NS, Nelson JC, Jackson LA. “Problems of bias in studies of influenza vaccine.” A response to Spaude KA et al “Influenza vaccination and risk of mortality among adults hospitalized with community-acquired pneumonia.” Archives Internal Medicine 2007; 167(1):53-9