

BIOGRAPHICAL SKETCH

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NAME Frederick J. Zimmerman		POSITION TITLE Associate Professor	
eRA COMMONS USER NAME Fzimmer			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Notre Dame, IN	BA	1985	Economics
University of Wisconsin, WI	MS	1989	Economics
University of Wisconsin, WI	PhD	1994	Economics

A. Position and Honors**Positions and Employment**

1994-1999 Assistant Professor, Food Research Institute, Stanford University
 1996-1997 Visiting Scholar, Agricultural and Resource Economics, University of California, Berkeley
 1999-2000 Biostatistician/Health Economist, Child Health Institute, School of Public Health and Community Medicine, University of Washington
 2000-2005 Assistant Professor, Department of Health Services, School of Public Health and Community Medicine, University of Washington
 2005-present Associate Professor, Department of Health Services, School of Public Health and Community Medicine, University of Washington
 2002-2006 Co-Director, Child Health Institute, University of Washington
 2006-2008 Associate Professor, Department of Pediatrics, School of Medicine, University of Washington
 2008-present Associate Professor, Department of Health Services, School of Public Health, University of California—Los Angeles

Honors

2005 Distinguished Mentor Award, School of Public Health and Community Medicine, UW

B. Selected peer-reviewed publications

Zimmerman FJ, Carter MR. A dynamic option value for institutional change: marketable property rights and agent heterogeneity in the Sahel. *Am J Agricultural Econ* 1999; 81:467-78.
Zimmerman FJ. Barriers to participation of the poor in South Africa's land redistribution. *World Development*. 2000; 28(8): 1439-1460.
 Carter MR, **Zimmerman FJ**. The Dynamic Cost and Persistence of Asset Inequality in an Agrarian Economy. *J Develop Econ* 2000;63(2): 265-302.
Zimmerman FJ. Determinants of school enrollment and performance in Bulgaria: the role of income among the poor and rich. *Contemp Econ Policy*. 2001;19:87-98.
 Christakis D, Mell L, Koepsell T, **Zimmerman FJ**, Connell F. Association of Lower Continuity of Care with greater risk of emergency department use and hospitalization in children. *Pediatrics*. 2001;107: e15
 Christakis DA, **Zimmerman FJ**, Wright JA, Garrison M, Rivara FP, Davis RL. A randomized controlled trial of point of care evidence to improve the antibiotic prescribing practices for Otitis Media in children. *Pediatrics*. 2001;107: 524-529
 Christakis DA, Wright JA, **Zimmerman FJ**, Bassett AL, Connell FA. Continuity of care is associated with high quality care by parental report. *Pediatrics*. 2002;109(4):e54.
 Feudtner CJ, Christakis DA, **Zimmerman FJ**, Muldoon J, Neff JM, Koepsell T. Characteristics of deaths occurring in children's hospitals: implications for supportive care services. *Pediatrics*. 2002;109(5):887-93.

- Christakis DA, Wright JA, **Zimmerman FJ**, Bassett AL, Connell, FC. Continuity of care is well-coordinated care by parental report. *Ambul Pediatr* 2003;3(2):82-86.
- Zimmerman FJ**, Carter MR. Asset smoothing, consumption smoothing and the reproduction of inequality under risk and subsistence constraints. *J Develop Econ* 2003;71(2): 233-260.
- Zimmerman FJ**. Cinderella Goes To School: The Effects of Child Fostering on School Enrollment in South Africa. *J Human Res* 2003; 38(3):557-590.
- Bell JF and **Zimmerman FJ**. Selection Bias in Prenatal Care Use by Medicaid Recipients. *Maternal Child Health J* 2003;7(4):239-252.
- Zimmerman FJ**, Christakis DA, Vander Stoep A. Tinker, Tailor, Soldier, Patient: Work Attributes and Depression Disparities. *Social Science and Medicine* 2004;58(10): 1889-1901.
- Christakis DA, Kazak AE, Wright JA, **Zimmerman FJ**, Bassett AL, Connell FA. What Factors are Associated with Achieving High Continuity of Care? *Family Med* 2004; 36(1):55-60; January.
- Christakis DA, **Zimmerman FJ**, DiGiuseppe DL, McCarty CA. Early Television Exposure and Subsequent Attentional Problems in Children. *Pediatrics*. 2004; 113(4).
- Shotorbani S, **Zimmerman FJ**, Bell JF, Ward D, Assefi N. Attitudes and Intentions of Future Health Care Providers Toward Abortion Services. *Perspect Sexual Reprod Health* 2004; 36(2): 58-63.
- Bell J, **Zimmerman FJ**, Cawthon ML, Huebner CE, Ward DH, Schroeder CA. Services use among women in urban jails. *J Healthcare Poor Underserved*. 2004; 15(3): 426-442.
- Bell J, **Zimmerman FJ**, Cawthon ML, Huebner CE, Ward DH, Schroeder CA. Perinatal outcomes for women in urban jails. *Urban Health*. 2004; 81(4): 630-644.
- Christakis DA, Ebel B, Rivara FP, **Zimmerman FJ**. Television, video, and computer game usage in children under 11 years of age. *Journal of Pediatrics*. 2004; 145(5): 652-6.
- Carroll AE, **Zimmerman FJ**, Rivara FP, Ebel BE, Christakis DA. Perceptions about computers and the internet in a pediatric clinic population. *Ambul Pediatr*. 2005 5(2): 122-126.
- Zimmerman FJ**, Glew GM, Christakis DA, Katon W. Early Cognitive Stimulation, Television Watching, and Subsequent Bullying Among Grade-School Children. *Archives of Pediatric and Adolescent Medicine*. 2005 159(4):354-388. (April)
- Zimmerman FJ** and Christakis DA. Children's television viewing and cognitive outcomes: a longitudinal analysis of national data. *Arch Pediatr Adolesc Med*. 2005;159(7):619-625.
- Strong LL, **Zimmerman FJ**. Occupational injury and duration of missed work among African American, Hispanic, and non-Hispanic White Workers. *Am J Public Health*. 2005; 95(7):1226-32.
- McCarty CA, **Zimmerman FJ**, DiGiuseppe D and Christakis DA. Parental emotional support and subsequent internalizing and externalizing problems among children. *J Develop Behav Pediatr*. 2005; 26(4):267-275.
- Zimmerman FJ**. Social, demographic and economic determinants of disparities in mental health specialty utilization among children: evidence from a national sample. *Health Serv Res* 2005; 40(5): 1514-33.
- Zimmerman FJ** and Katon W. Socioeconomic Status, Depression Disparities, and Financial Hardship: What Lies Behind the Income – Depression Relationship? *Health Economics*.2005; 14(12)
- Christakis DA, Wright JA, Taylor JA, **Zimmerman FJ**. The association between initial and subsequent antibiotic prescription for children with cough and cold symptoms and parental satisfaction. *Pediatr Infect Dis J* 2005; 24(9):774-7
- Carroll AE, Rivara FP, Ebel B, **Zimmerman FJ**, Christakis DA. Household computer and Internet access: The digital divide in a pediatric clinic population. *AMIA Annual Symposium Proceedings*. 2005; 111-115.
- Bowman S, **Zimmerman FJ**, Christakis DA, Sharar S, Martin DA. Hospital characteristics associated with pediatric splenic injury management. *JAMA* 2005;294(20):2611-2617.
- Zimmerman FJ** and Bell JF. Income Inequality and physical and mental health: testing associations consistent with proposed causal pathways. *J Epidemiol Community Health*. 2006;60(6):513-521.
- Christakis DA, **Zimmerman FJ**, Rivara FP, Ebel B. Improving pediatric prevention via the internet: a randomized controlled trial. *Pediatrics*. 2006;118 (3):1157-1166.
- Zimmerman FJ**. Agreeing on More than Chicken Soup: Intra-household Decision-Making and Treatment for Child Psychopathology. *Review of Economics of the Household*. 2006; 4 (3): 229-252.
- Christakis DA, **Zimmerman FJ**. Early television viewing is associated with protesting turning off the television at age 6. *Med Gen Med*. 2006;8(2):63.
- Christakis DA, Garrison MM, **Zimmerman FJ**. Television viewing in child care programs: a national survey. *Communication Rep* 2006;19 (2):111-120

- Bell JF, **Zimmerman FJ**, Almgren GA, Huebner CA, Mayer JS. Birth outcomes among urban African-American women: A multilevel analysis of the role of racial residential segregation. *Soc Sci Med* 2006; 63: 3030-3045.
- Stover B, Wickizer TM, **Zimmerman FJ**, Fulton-Kehoe D, Franklin G. Prognostic factors of long-term disability in a workers' compensation system. *J Occup Environ Med* 2007 Jan;49(1):31-40.
- Zimmerman FJ**, Christakis DA, Meltzoff AN. Media viewing by children under 2 years old. *Arch Pediatr Adolesc Med* 2007 Oct; 161(10):967-71
- Zimmerman FJ**, Christakis DA, Meltzoff AN. Associations Between Media Viewing and Language Development Among Children Under 2 Years Old *Journal of Pediatrics* 2007 Oct;151(4):364-8.
- Zimmerman FJ** and Christakis DA. Associations between content types of early media exposure and subsequent attentional problems. *Pediatrics* 2007 Nov;120(5):986-92.
- Christakis DA and **Zimmerman FJ**. Violent television viewing during preschool is associated with antisocial behavior during school age *Pediatrics* 2007 Nov;120(5):993-9.
- Mendoza JA, **Zimmerman FJ**, Christakis DA. Television viewing and obesity in US preschool children. *International Journal of Behavioral Nutrition and Physical Activity*. 2007 Sep 25;4(1):44.
- Bowman SM, **Zimmerman FJ**, Christakis DA, Sharar SR. The role of hospital profit status in pediatric spleen injury management. *Medical Care* 2008 March; 46(3):331-338.
- Zimmerman FJ** and Christakis DA. Associations between content types of early media exposure and subsequent attentional problems. *Pediatrics* 2007 Nov;120(5):986-92.
- Christakis DA and **Zimmerman FJ**. Young Children and Media: Limitations of current knowledge and future directions for research. (forthcoming in *American Behavioral Scientist*).
- Bell JF and **Zimmerman FJ**. Maternal Work and Birth Outcome Disparities. *Maternal and Child Health Journal* 2008 Jul;12(4):415-26.
- Bowman S, Martin DA, **Zimmerman FJ**, Sharar S. Rural Trauma: Is Trauma Designation Associated with Better Hospital Outcomes? *Journal of Rural Health* Summer, 2008 24(3):263-8.
- Tracy M, VanderStoep A, **Zimmerman FJ**, Galea S, McCauley E. What explains the relation between family poverty and childhood depression? *Journal of Psychiatric Research*. 2008 Oct;42(14):1163-75. PMID: 18308337.
- Braden JB, Sullivan M, **Zimmerman FJ**. Employment Outcomes Among Individuals with Mental Health Disorders and Co-morbid Chronic Pain. *Psychiatric Services* 2008 Aug;59(8):878-85. PMID: 18678685.

Technical Publications

1. **Zimmerman FJ**. Timing Portions of a Program. *Stata Technical Bulletin*. 1998;41 (January).
2. **Zimmerman FJ**. Switching Regressions. *Stata Technical Bulletin*. 1998;45 (October).

Editorials and Commentary

1. **Zimmerman FJ**. On the Standard Gamble. *Archives of Pediatric and Adolescent Medicine* 2003; 157(3):225-227 (March).
2. Christakis DA and **Zimmerman FJ**. Public Health of Media. *Archives of Pediatric and Adolescent Medicine* 2006; 160 (4): 445-446 (April).

C. Research Support

Ongoing Research Support

(HRSA/MCHB; Janice Bell, PI: \$65,000)

2/1/2008-10/31/2009

Exposure to Stress as a Mediator of Disparities in Childhood Obesity
Role: Co-Investigator

Completed Research Support

5 K01 MH064461-03 (Zimmerman)

12/01/02 - 11/30/07

NIMH

Career Development Award (K01): Economics of Mental Health Disparities

This is a Career Development Award to build the investigator's strengths as a mental health researcher. The research goals are to assess the economic factors that induce an inverse relationship between depression and economic status among adults and children; and to test how psychopathology affects economic decision-making among adults and children.

Role: Principal Investigator

(Zimmerman)

09/01/06 – 08/31/07

Children's Hospital Regional Medical Center

Infant Television Reduction Pilot

This is a pilot study of an intervention to reduce exposure to commercial television among young children using a case manager, print, and web-based material. Social Cognitive Theory and Stages of Change approaches are combined to form a theoretical basis for this behavior change intervention. Outcomes assessed will include the child's commercial television viewing time and diet, and parent attitudes toward TV viewing.

Role: Principal Investigator

ADAI (Moreno)

07/01/07 – 06/30/08

Use of Social Networking Websites For Identification and Screening of Problem Drinking in Adolescents

Role: Co-Investigator

1 R01 HS013302 -01(Christakis)

09/30/02 - 09/29/06

AHRQ

Parent Initiated Prevention Program

This randomized controlled trial tests a computer-driven, expert system to improve the provision of evidence-based prevention for young pediatric patients. We propose to study the effectiveness of a real-time Parent-Initiated Prevention Program (PIPP) in changing primary providers' delivery of preventive care as well as parental preventive behaviors. PIPP differs from other provider interventions (including other computerized interventions) in that it delivers stage and age specific, evidence-based recommendations directly to parents at their own behest and under their control just prior to well-child visits via the Internet accessed either at home or while in the waiting room of their providers' offices.

Role: Co-Investigator and Biostatistician

(Meltzoff)

04/01/05 – 04/01/06

Tamaki Foundation

A Survey of Television and Video Viewing Habits of Young Children

To conduct a telephone survey of infant time use and language development among 1,000 parents of children under 2 years old, and to assess associations of media viewing with vocabulary development.

Role: Co-Principal Investigator

1 R01 HL69670 (Lozano)

08/06/01 - 05/31/04

NHLBI

(CAMS) Randomized Trial of Computerized Asthma Management System

This randomized controlled trial aims to improve quality of care for children with asthma through a real-time computerized intervention delivered at the point of care.

Role: Co-Investigator and Biostatistician

1 R01 MH064421-01(Zimmerman)

04/01/01 - 03/31/03

NIMH

Disparities in Depression Incidence and Treatment

This research established an inverse income-depression relationship in a nationally representative sample. At the same time, the research addressed the question of how this link is mediated by race, gender and by income, using highly flexible, non-parametric methods. It also showed for the first time that financial strain (the ratio of debts to assets) is a stronger correlate of depression than income alone.