

## COLLEGE OF PUBLIC HEALTH CURRICULUM VITAE

**Jeffrey D. Dawson**

February 2, 2018

### I. EDUCATION AND PROFESSIONAL HISTORY

#### A. Education

<u>Institution</u>	<u>Field of Study</u>	<u>Degree Obtained</u>	<u>Degree Date</u>
Brigham Young University, Provo, Utah	Statistics	BS	1987
Harvard School of Public Health, Boston, Massachusetts	Biostatistics	ScD	1991

#### B. Professional and Academic Positions

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location/Institution</u>
Teaching Assistant	1987-1991	Harvard University, Boston
Summer Trainee	1988	Dana-Farber Cancer Institute, Boston
Research Assistant	1989-1990	Harvard University, Boston
Assistant Professor	1991-1997	Department of Preventive Medicine and Environmental Health (Division of Biostatistics), Carver College of Medicine, The University of Iowa, Iowa City
Associate Professor	1997-1999	Department of Preventive Medicine and Environmental Health (Division of Biostatistics), Carver College of Medicine, The University of Iowa, Iowa City
Associate Professor	1999-2009	Department of Biostatistics, College of Public Health, The University of Iowa, Iowa City
Visiting Professor	2000-2001	Brigham Young University, Provo
Director of Graduate Studies	2003-2012	Department of Biostatistics, College of Public Health, The University of Iowa, Iowa City

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location/Institution</u>
Professor	2009-Present	Department of Biostatistics, College of Public Health, The University of Iowa, Iowa City
Associate Dean for Faculty Affairs	2011-Present	College of Public Health, The University of Iowa, Iowa City

### C. Honors, Awards, Recognitions, and Outstanding Achievements

<u>Year</u>	<u>Title</u>
1987	Elected Member, Phi Kappa Phi Honor Society
1992	National Science Foundation travel award
1994	Elected University of Iowa Faculty Senate Member
1997	Co-author of Best Research Paper (Honorable Mention), selected by the Society of Teachers of Family Medicine
1997	Co-author of Best Research Paper at Society of Gynecological Oncology Annual Meeting
1997	Co-author of paper receiving Award for Clinical Biomechanics Research, the American Society of Biomechanics
1999	Appointed as Faculty Mentor for Medical Science Training Program
2004	College of Public Health Faculty Service Award, College of Public Health, The University of Iowa
2008	Elected Chair of College of Public Health Faculty Council
2013-2015	ASA Council of Chapters Governing Board (District 4 Vice Chair)
2013-2014	Academic Leadership Program Fellow, Committee on Institutional Cooperation
2013	Inducted into Delta Omega Honorary Society in Public Health
2016	Fellow of the American Statistical Association, American Statistical Association

## II. TEACHING

- A. **Teaching Assignments** on a semester-by-semester basis (*classroom, seminar, teaching lab*)

## 1. University of Iowa

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Fall 1991	63:161 Introduction to Biostatistics	3	44	Primary Instructor	100%
Spring 1992	63:161 Introduction to Biostatistics	3	35	Primary Instructor	100%
Fall 1992	63:176 Biostatistical Methods I	4	5	Primary Instructor	100%
Spring 1993	63:203 Preceptorship in PM & EH	3	1	Primary Instructor	100%
Spring 1993	63:276 Biostatistical Methods II	4	7	Primary Instructor	100%
Summer 1993	50:211 MSTP Summer Research	1	1	Primary Instructor	100%
Spring 1994	63:162 Design & Analysis of Experiments in the Biological Sciences	3	32	Primary Instructor	100%
Spring 1994	63:203 Preceptorship in PMEH	3	2	Primary Instructor	100%
Spring 1994	63:276 Biostatistical Methods II	4	4	Primary Instructor	100%
Spring 1994	63:300 Thesis	5	1	Primary Instructor	100%
Fall 1994	63:176 Biostatistical Methods I	4	8	Primary Instructor	100%
Spring 1995	63:203 Preceptorship in PMEH	3	6	Primary Instructor	100%
Spring 1995	63:300 Thesis	4	1	Primary Instructor	100%
Fall 1995	63:201 Research in PMEH	1	2	Primary Instructor	100%
Fall 1995	63:261 Survival Analysis	3	11	Primary Instructor	100%

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Spring 1996	63:162 Des and Analysis of Exp in the Bio Sciences	3	28	Primary Instructor	100%
Spring 1996	63:203 Preceptorship in PMEH	3	1	Primary Instructor	100%
Fall 1996	63:172 Independent Study and Research	1	1	Primary Instructor	100%
Fall 1996	63:176 Biostatistical Methods I	4	16	Primary Instructor	100%
Fall 1996	63:300 Thesis	2	2	Primary Instructor	100%
Spring 1997	63:276 Biostatistical Methods II	4	8	Primary Instructor	100%
Fall 1997	63:261 Survival Analysis	3	5	Primary Instructor	100%
Fall 1997	63:300 Thesis	9	3	Primary Instructor	100%
Spring 1998	63:162 Des and Analysis of Exp in the Bio Sciences	3	33	Primary Instructor	100%
Spring 1998	63:203 Preceptorship in PMEH	3	3	Primary Instructor	100%
Spring 1998	63:300 Thesis	6	1	Primary Instructor	100%
Fall 1998	63:176 Biostatistical Methods I	4	11	Primary Instructor	100%
Spring 1999	63:203 Preceptorship in PMEH	3	2	Primary Instructor	100%
Spring 1999	63:276 Biostatistical Methods II	4	9	Primary Instructor	100%
Fall 1999	63:261 Survival Analysis	3	13	Primary Instructor	100%

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Spring 2000	171:281 Independent Study	1	1	Primary Instructor	100%
Spring 2000	63:162 Des and Analysis of Exp in the Bio Sciences	3	28	Primary Instructor	100%
Fall 2000	63:203 Preceptorship in PMEH	3	1	Primary Instructor	100%
Fall 2001	171:201 Biostatistical Methods I	4	13	Primary Instructor	100%
Spring 2002	171:162 Design and Analysis of Biomedical Studies	3	39	Primary Instructor	100%
Spring 2002	171:280 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Fall 2002	171:201 Biostatistical Methods I	4	16	Primary Instructor	100%
Spring 2003	171:202 Biostatistics Methods II	4	15	Primary Instructor	100%
Spring 2003	171:280 Preceptorship in Biostatistics	3	4	Primary Instructor	100%
Summer 2003	171:161 Introduction to Biostatistics	3	26	Primary Instructor	100%
Fall 2003	171:201 Biostatistical Methods I	4	18	Primary Instructor	100%
Spring 2004	171:280 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Spring 2004	171:290 Advanced Biostatistics	1	4	Primary Instructor	100%
Summer 2004	171:161 Introduction to Biostatistics	3	21	Primary Instructor	100%
Fall 2004	171:201 Biostatistical Methods I	4	15	Team Teacher	25%

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Spring 2005	171:202 Biostatistical Methods I	4	20	Primary Instructor	100%
Spring 2005	171:280 Preceptorship in Biostatistics	3	1	Primary Instructor	100%
Summer 2005	171:161 Introduction to Biostatistics	3	21	Primary Instructor	100%
Spring 2006	171:280 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Fall 2006	171:201 Biostatistical Methods I	4	15	Primary Instructor	100%
Spring 2007	171:280 Preceptorship in Biostatistics	3	1	Primary Instructor	100%
Fall 2007	171:201 Biostatistical Methods I	4	12	Primary Instructor	100%
Fall 2007	171:280 Preceptorship in Biostatistics	1	1	Primary Instructor	100%
Fall 2007	171:281 Independent Study in Biostatistics	1	1	Primary Instructor	100%
Spring 2008	171:281 Independent Study in Biostatistics	3	2	Primary Instructor	100%
Spring 2008	171:290 Advanced Biostatistics Seminar	1	5	Team Teacher	50%
Summer 2008	171:161 Introduction to Biostatistics	3	14	Primary Instructor	100%
Fall 2008	171:201 Biostatistical Methods I	4	12	Primary Instructor	100%
Fall 2008	171:280 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Spring 2009	171:290 Adv Biostat Seminar (Stat in Microbiology)	0	7	Team Teacher	50%
Spring 2009	171:295 Research in Biostatistics	1	1	Primary Instructor	100%

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Fall 2009	171:201 Biostatistical Methods I	4	9	Primary Instructor	100%
Fall 2009	171:280 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Fall 2009	171:281 Independent Study in Biostatistics	1	1	Primary Instructor	100%
Spring 2010	171:281 Independent Study	3	1	Primary Instructor	100%
Spring 2010	171:290 Adv Biostat Seminar (Stat in Microbiology)	0	8	Team Teacher	50%
Fall 2010	171:161 Introduction to Biostatistics	3	86	Primary Instructor	100%
Fall 2010	171:290:002 Advanced Biostatistics Seminar	1	9	Team Teacher	
Fall 2010	171:300 Thesis/Dissertation	1	1	Primary Instructor	100%
Fall 2010	650:270 Principles of Scholarly Integrity	1	177	Team Teacher	2%
Spring 2011	171:290 Adv Biostat Seminar (Stat in Microbiology)	1	8	Team Teacher	25%
Summer 2011	171:161 Introduction to Biostatistics	3	38	Primary Instructor	100%
Fall 2011	171:280 Preceptorship in Biostatistics	3	3	Primary Instructor	100%
Fall 2011	171:300 Thesis/Dissertation	5	2	Primary Instructor	100%
Fall 2011	650:270 Principles of Scholarly Integrity	1	77	Team Teacher	5%
Spring 2012	171:300 Thesis/Dissertation	2	2	Primary Instructor	100%

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Summer 2012	171:161 Introduction to Biostatistics	3	18	Team Teacher	50%
Fall 2012	171:161:AAA Introduction to Biostatistics	3	94	Primary Instructor	100%
Fall 2012	171:161:EXW Introduction to Biostatistics	3	35	Team Teacher	50%
Fall 2012	171:300 Thesis/Dissertation	2	2	Primary Instructor	100%
Spring 2013	171:202 Biostatistical Methods II	4	14	Primary Instructor	100%
Spring 2013	171:300 Thesis/Dissertation	2	2	Primary Instructor	100%
Fall 2013	171:161 Introduction to Biostatistics	3	90	Primary Instructor	100%
Fall 2013	171:300 Thesis/Dissertation	2	1	Primary Instructor	100%
Spring 2014	171:285 Scholarly Integrity in Biostatistics	1	31	Primary Instructor	100%
Spring 2015	BIOS:5720:0AAA Biostatistical Methods II	4	7	Primary Instructor	100%
Spring 2015	BIOS:7270:0001 Scholarly Integrity in Biostatistics	1	6	Primary Instructor	100%
Spring 2016	BIOS:5120:0001 Design & Analysis of Biomedical Studies	3	33	Primary Instructor	100%
Spring 2016	BIOS:7270:0001 Scholarly Integrity in Biostatistics	1	13	Primary Instructor	100%
Spring 2016	BIOS:7604:0001 Schol Integrity Biostatistics Postdocs	0	3	Primary Instructor	100%



<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Spring 2016	BIOS:7900:0042 Thesis/Dissertation	9	1	Primary Instructor	100%
Fall 2016	BIOS:7900:2969 Thesis/Dissertation	9	1	Primary Instructor	100%
Spring 2017	BIOS:5120:0001 Regression & ANOVA in Health Sciences	3	39	Primary Instructor	100%
Spring 2017	BIOS:7270:0001 Scholarly Integrity in Biostatistics	1	15	Primary Instructor	100%
Spring 2017	BIOS:7604:0001 Schol Integrity Biostatistics Postdocs	1	1	Primary Instructor	100%
Spring 2017	BIOS:7900:5219 Thesis/Dissertation	1	1	Primary Instructor	100%
Fall 2017	BIOS:7500:6285 Preceptorship in Biostatistics	3	2	Primary Instructor	100%
Fall 2017	CPH:2600:1 Introduction to Public Health Methods	3	38	Primary Instructor	50%

**B. Students Advised**

<u>Dissertations/Thesis Name</u>	<u>Field or Major</u>	<u>Degree Objective</u>	<u>Role</u>
Hanawalt, Cindy	Preventive Medicine & Environmental Health	MS 1993	Chair Thesis/Dissertation Committee
Chao, Day-Yu	Preventive Medicine & Environmental Health (Occupational & Environmental Health)	MS 1993	Member Thesis/Dissertation Committee
Juchems, Alex	Preventive Medicine & Environmental Health (Occupational & Environmental Health)	MS 1993	Member Thesis/Dissertation Committee

Quaney, Barb	Exercise Science	MS 1993	Member Thesis/Dissertation Committee
Shavers-Hornaday, Vickie	Preventive Medicine & Environmental Health (Epidemiology)	MS 1993	Member Thesis/Dissertation Committee
Figuerres, Eleanor	Preventive Medicine & Environmental Health	MS 1994	Member Thesis/Dissertation Committee
Barakatt, Edward	Exercise Science	MS 1994	Member Thesis/Dissertation Committee
Hammonds-Ehlers, Marlena	Preventive Medicine & Environmental Health	MS 1994	Member Thesis/Dissertation Committee
Ruskin, Judith C	Preventive Medicine & Environmental Health (Occupational & Environmental Health)	MS 1995	Member Thesis/Dissertation Committee
Taylor, Craig	Preventive Medicine & Environmental Health (Occupational & Environmental Health)	MS 1996	Member Thesis/Dissertation Committee
Hanawalt, Cindy	Preventive Medicine & Environmental Health (Interdisciplinary)	PhD 1994	Member Thesis/Dissertation Committee
Kao, Chi	Preventive Medicine & Environmental Health (Biostatistics)	PhD 1994	Member Thesis/Dissertation Committee
Samawi, Hani	Preventive Medicine & Environmental Health (Biostatistics)	PhD 1994	Member Thesis/Dissertation Committee
Yang, Peter	Preventive Medicine & Environmental Health (Biostatistics)	PhD 1995	Chair Thesis/Dissertation Committee
Alston, Maragret	Anatomy (Interdisciplinary Program)	PhD 1995	Member Thesis/Dissertation Committee
Flanagan, Shawn	Exercise Science	PhD 1996	Member Thesis/Dissertation Committee
Han, Seung-Ho	Biostatistics	PhD 1997	Chair Thesis/Dissertation Committee
Combs, Michelle	Preventive Medicine & Environmental Health (Biostatistics)	PhD 1997	Member Thesis/Dissertation Committee
Bergquist, Sandra	Nursing	PhD 1998	Member Thesis/Dissertation Committee

West, Colin	Preventive Medicine & Environmental Health (Biostatistics)	PhD 1999	Chair Thesis/Dissertation Committee
Watanabe-Galloway, Shinobu	Epidemiology	PhD 2000	Member Thesis/Dissertation Committee
Young, David W	Education (Marital & Family Therapy)	PhD 2000	Member Thesis/Dissertation Committee
Ludington, Elizabeth	Biostatistics	PhD 2000	Member Thesis/Dissertation Committee
Wang, Wenquan	Biostatistics	PhD 2003	Member Thesis/Dissertation Committee
Yang, Xinqun	Biostatistics	PhD 2005	Member Thesis/Dissertation Committee
Xie, Xianjin	Biostatistics	PhD 2005	Member Thesis/Dissertation Committee
Lee, Joung Ae	Occupational & Environmental Health	PhD 2006	Member Thesis/Dissertation Committee
Shi, Qian	Biostatistics	PhD 2007	Member Thesis/Dissertation Committee
Wang, Qian	Geography	PhD 2007	Member Thesis/Dissertation Committee
Sparks, JonDavid	Biostatistics	PhD 2009	Member Thesis/Dissertation Committee
Patel, Sonali	Epidemiology	PhD 2010	Member Thesis/Dissertation Committee
Moritz-Korolev, Erin	Epidemiology	PhD 2011	Member Thesis/Dissertation Committee
Dastrup, Elizabeth	Biostatistics	PhD 2013	Chair Thesis/Dissertation Committee
Johnson, Amy	Biostatistics	PhD 2013	Chair Thesis/Dissertation Committee
Capuano, Ana	Occupational Epidemiology	PhD 2013	Co-Chair Thesis/Dissertation Committee
Hanson, Blake	Epidemiology	PhD 2013	Member Thesis/Dissertation Committee

McDanel, Jennifer	Epidemiology	PhD 2013	Member Thesis/Dissertation Committee
Barnes, Janel	Biostatistics	PhD 2017	Chair Thesis/Dissertation Committee

*Other Advising/Mentoring*

<u>Name</u>	<u>Field or Major</u>	<u>Role</u>
An, Hyonggin	Biostatistics	Mentor for teaching and collaborative research
Denburg, Natalie	Neurology	Statistical Mentor
Ho, Beng-Coon	Psychiatry	Statistical Mentor
Kao, Joanna	College Prep	Statistical Mentor
Nothwehr, Faryle	Comm & Beh Health	Statistical assistance for grant submission
Uc, Ergun	Neurology	Statistical Mentor
Vonnahme, Laura	MPH	Mentor for MPH Practicum
Medgyesi, Danielle	Occ/Env Health	Secondary Mentor for MS Project
Conrad, Amy	Psychiatry	Statistical Mentor
Harshman, Lyndsay	Psychiatry	Statistical Mentor

*List of Research Assistants Supervised*

<u>Name</u>	<u>Area of Research</u>
Chi Kao	Sample size calculations in repeated measures studies.
Seung-Ho Han	Iterative and non-iterative methods for longitudinal data.
Taekyu Hwang	Nosocomial fungal infections in neonatal and surgical ICU's.
Elizabeth Ludington	Nosocomial fungal infections in neonatal and surgical ICU's.
Colin West	Simulations of imputation schemes in longitudinal data.
Kirk Bateman	Studies of drivers with neurological deficits.
Laura Stierman	Studies of drivers with neurological deficits.
Qian Shi	Studies of drivers with neurological deficits.
Jon-David Sparks	Studies of drivers with neurological deficits.
Yang Lei	Studies of drivers with neurological deficits.
Elizabeth Dastrup	Studies of drivers with neurological deficits.
Mijin Jang	Studies of drivers with neurological deficits.
Wenjiao Lin	Atherosclerosis in young and middle-aged populations.
Rebecca Mastbergen	Atherosclerosis in young and middle-aged populations.
Amy Johnson	Studies of drivers with neurological deficits.
Ana Capuano	Center for Emerging Infectious Diseases
Kristi Swanson	Cancer screening studies.
Chelsea Caspell	Studies of children with oral cleft palates.
Lixi Yu	Studies of drivers with neurological deficits.
J. Tucker Krone	Studies of drivers with neurological deficits.
Kaitlin Lockhart	Brain development in Huntington's disease.
Lauren Sager	Studies of drivers with neurological deficits.
Elizabeth Bair	Studies of drivers with neurological deficits.
Ryan Miller	Studies of patterns of motor vehicle accidents.
Camden Bay	Cancer screening studies.
Michael Bishop	Studies of naturalistic driving.

### III. SCHOLARSHIP

#### A. Publications or Creative Works

##### 1. Peer-Reviewed Papers

1. Dawson JD, Lagakos SW (1991). Analyzing laboratory marker changes in AIDS clinical trials. *Journal of AIDS*, 4:667-76. PMID: 2051307
2. Dawson JD, Lagakos SW (1993). Size and power of two-sample tests of repeated measures data. *Biometrics*, 49:1022-32. PMC: 7906957
3. Dawson JD (1994). Comparing treatment groups on the basis of slopes, areas-under-the-curve, and other summary measures. *Drug Information Journal*, 28:723-732.
4. Dawson JD (1994). Stratification of summary statistic tests according to missing data patterns. *Statistics in Medicine*, 13:1853-1863. PMID: 7997718
5. Ely JW, Rijhsinghani A, Bowdler NC, Dawson JD (1995). The association between manual removal of the placenta and post-partum endometritis following vaginal delivery. *Obstetrics and Gynecology*, 86:1002-6. PMID: 7501321
6. Ely JW, Dawson JD, Townsend AS, Rijhsinghani A, Bowdler NC (1996). Benign fever following vaginal delivery. *Journal of Family Practice*, 43:146-51. PMID: 8708624
7. Barakatt E, Smidt GL, Dawson JD, Wei SH, Heiss D (1996). Interinnominate motion and symmetry: comparison between gymnasts and nongymnasts. *Journal of Orthopaedic and Sports Physical Therapy*, 23:309-319. PMID: 8728529
8. Ely JW, Howser DM, Dawson JD, Bowdler NC, Rijhsinghani A (1996). Practice patterns during the third stage of labor: the effect of physician age and specialty. *Journal of Family Practice*, 43:545-49. PMC: 8969701
9. Van Voorhis BK, Dawson JD, Stovall DW, Sparks AE, Syrop CH (1996). The effects of smoking on ovarian function and fertility during assisted reproduction cycles. *Obstetrics and Gynecology*, 88:785-91. PMID: 8885914
10. Ely JW, Dawson JD, Mehr DR, Burns TB (1996). Understanding logistic regression analysis through example. *Family Medicine*, 28:134-40. PMC: 8932495
11. Edmond MB, Ober JF, Dawson JD, Weinbaum DL, Wenzel RP (1996). Vancomycin-resistant enterococcal bacteremia: natural history, attributable morbidity and mortality. *Clinical Infectious Diseases*, 23:1234-39. PMID: 8953064
12. Ely JW, Dawson JD, Lemke JH, Rosenberg J (1997). An introduction to time-trend analysis. *Infection Control and Hospital Epidemiology*, 18:267-74. PMID: 9131373
13. Nygaard IE, Rao SS, Dawson JD (1997). Anal incontinence after anal sphincter disruption: a 30-year retrospective cohort study. *Obstetrics and Gynecology*, 89:896-901.

14. Souza IE, Gregg A, Pfab D, Dawson JD, Benson P, O'Neill ME, Murph JR, Bale JF (1997). Cytomegalovirus infection in newborns and family members: polymerase chain reaction analysis of isolates. *Infection*, 25:144-9. PMID: 9181380
15. Rizzo M, Reinach S, McGehee D, Dawson JD (1997). Simulated car crashes in drivers with Alzheimer's Disease. *Archives of Neurology*, 54:545-51.
16. Bergus G, Levy B, Randall C, Dawson J, Jogerst C (1997). Skills that community practicing Iowa family physicians desire in a new physician partner. *Family Medicine*, 29:618-24. PMID: 9354867
17. Sood AK, Buller RE, Burger RA, Dawson JD, Sorosky JI, Berman M (1997). Value of preoperative CA 125 level in the management of uterine cancer and prediction of clinical outcome. *Obstetrics and Gynecology*, 90:441-7. PMID: 9277659
18. Murph JR, Souza IE, Dawson JD, Benson P, Petheram SJ, Pfab D, Gregg A, O'Neill ME, Zimmerman B, Bale JF (1998). Epidemiology of congenital cytomegalovirus infection: maternal risk factors and molecular analysis of cytomegalovirus strains. *American Journal of Epidemiology*, 147:940-947. PMID: 9596472
19. Levy BT, Dawson JD, Toth PP, Bowdler N (1998). Predictors of neonatal resuscitation, low Apgar scores, and umbilical artery pH among growth-restricted neonates. *Obstetrics and Gynecology*, 91:909-16. PMID: 9610995
20. Dawson JD (1998). Sample size calculations based on slopes and other summary statistics. *Biometrics*, 54:323-30. PMID: 9544525
21. McQuade KJ, Dawson JD, Smidt GL (1998). Scapulothoracic muscle fatigue associated with alterations in scapulohumeral rhythm kinematics during maximum resistive shoulder elevation. *Journal of Orthopaedic and Sports Physical Therapy*, 28:74-80.
22. Lundberg JS, Perl TM, Wiblin RT, Costigan MD, Dawson JD, Nettleman MD, Wenzel RP (1998). Septic shock: an analysis of outcomes for patients with onset on wards versus intensive care units. *Critical Care Medicine*, 26:1020-24.
23. Lundberg J, Costigan M, Bentler S, Dawson JD, Nettleman MD, Wenzel RP (1998). Staphylococcus aureus bacteremia: the cost-effectiveness of long-term therapy associated with an infectious disease consultation. *Clinical Performance and Quality Health Care*, 6:9-11.
24. Ely JW, Goerdts CJ, Bergus GR, West CP, Dawson JD, Singh RF, Doebbeling BN (1998). The effect of physician characteristics on self-reported compliance with adult preventive care guidelines. *Family Medicine*, 30:34-9. PMID: 9460614
25. Bale JF, Zimmerman B, Dawson JD, Souza IE, Petheram SJ, Murph JR (1999). Cytomegalovirus transmission in child care homes. *Archives of Pediatric and Adolescent Medicine*, 153:75-79. PMID: 9895003
26. Davis PH, Dawson JD, Mahoney LT, Lauer RM (1999). Increased carotid intimal-medial thickness and coronary calcification are related in young and middle-aged adults: the Muscatine study. *Circulation*, 100:838-42. PMID: 10458720

27. Ely JE, Dawson JD, Young PR, Doebbeling BN, Goerdts CJ, Elden NC, Olick RS (1999). Malpractice claims against family physicians: Are the best doctors sued more? *Journal of Family Practice*, 48:23-30. PMID: 9934379
28. Rangel-Frausto MS, Wiblin T, Blumberg HM, Saiman L, Patterson J, Rinaldi M, Pfaller M, Edwards JE, Jarvis W, Dawson J, Wenzel RP, NEMIS Study Group (1999). National epidemiology of mycosis survey (NEMIS): variation in rates of bloodstream infections due to candida species in seven surgical intensive care units and six neonatal intensive care units. *Clinical Infectious Diseases*, 29:253-8.
29. Syrop CH, Dawson JS, Husman KJ, Sparks AE, Van Voorhis BJ (1999). Ovarian volume predicts assisted reproductive outcomes better than day 3 FSH. *Human Reproduction*, 14:1752-56. PMID: 10402382
30. Weissman AM, Dawson JD, Fox DL (1999). Variability in the learning experiences of family practice residents during an obstetrics rotation. *Family Medicine*, 31:28-33. PMID: 9987609
31. Janz KF, Dawson JD, Mahoney LT (2000). Changes in physical fitness and physical activity during puberty do not predict serum lipoprotein profile changes: the Muscatine study. *Pediatric Exercise Science*, 12:232-43.
32. Arndt S, Turvey C, Coryell WH, Dawson JD, Leon AC, Akiskal HS (2000). Charting patients' course: a comparison of statistics used to summarize patient course in longitudinal and repeated measures studies. *Journal of Psychiatric Research*, 34:105-113. PMID: 10758251
33. Jogerst GS, Dawson JD, Hartz AJ, Ely JW, Schweitzer LA (2000). Community characteristics associated with elder abuse. *Journal of the American Geriatrics Society*, 48:513-18. PMID: 10811544
34. Bale JF, Murph JR, Demmler GJ, Dawson J, Miller JE, Petheram SJ (2000). Intrauterine cytomegalovirus infection and glycoprotein B genotypes. *Journal of Infectious Diseases*, 182:933-36.
35. Janz KF, Dawson JD, Mahoney LT (2000). Predicting heart growth during puberty: the Muscatine study. *Pediatrics*, 105:E631-8. PMID: 10799627
36. Saiman L, Lundington E, Pfaller M, Rangel-Frausto S, Wiblin RT, Dawson J, Blumberg HM, Patterson JE, Rinaldi M, Edwards JE, Wenzel RP, Jarvis W, NEMIS Study Group (2000). Risk factors for candidemia in neonatal intensive care unit patients. *Pediatric Infectious Disease Journal*, 19:319-324.
37. Dawson JD, Han SH (2000). Stratified tests, stratified slopes, and random effects models for clinical trials with missing data. *Journal of Biopharmaceutical Statistics*, 10:447-55. PMID: 11104386
38. Graber MA, Bergus G, Dawson JD, Wood GB, Levy BT, Levin I (2000). The effect of a patient's psychiatric history on physicians' estimation of the probability of disease. *Journal of General Internal Medicine*, 15:204-6. PMID: 10718903
39. Janz KF, Dawson JD, Mahoney LT (2000). Tracking physical fitness and physical activity from childhood to adolescence: the Muscatine study. *Medicine and Science in Sports and Exercise*, 32:1250-57. PMID: 10912890

40. Rizzo M, Anderson S, Dawson J, Nawrot M (2000). Vision and cognition in Alzheimer's disease. *Neuropsychologia*, 38:1157-69.
41. Rizzo M, Anderson SW, Dawson J, Myers R, Ball K (2000). Visual attention impairments in Alzheimer's disease. *Neurology*, 54:1954-1959.
42. Davis PH, Dawson JD, Riley WA, Lauer RM (2001). Carotid intimal-medial thickness is related to cardiovascular risk factors measured from childhood through middle-age: the Muscatine study. *Circulation*, 104:2814-2819. PMID: 11733400
43. Van Voorhis BJ, Barnett M, Sparks AE, Syrop CH, Rosenthal G, Dawson J (2001). Effect of the total motile sperm count on the efficacy and cost-effectiveness of IUI and IVF. *Fertility and Sterility*, 75:661-668.
44. Rizzo M, Akutsu H, Dawson J (2001). Increased attentional blink after focal cerebral lesions. *Neurology*, 57:475-80.
45. Saiman L, Lundington E, Dawson JD, Patterson JE, Rangel-Frausto S, Wilbin RT, Blumberg HM, Pfaller M, Rinaldi M, Edwards JE, Wenzel RP, Jarvis W (2001). Risk factors for *Candida* species colonization of neonatal intensive care unit patients. *Pediatric Infectious Disease Journal*, 20:1119-1124. PMID: 11740316
46. Rizzo M, McGehee DV, Dawson JD, Anderson SN (2001). Simulated car crashes at intersections in drivers with Alzheimer's disease. *Alzheimer's Disease and Associated Disorders*, 15:10-20. PMID: 11236820
47. West CP, Dawson JD (2002). Complete imputation of missing repeated categorical data: one-sample applications. *Statistics in Medicine*, 21(2):203-217. PMID: 11782060
48. Janz KF, Dawson JD, Mahoney LT (2002). Do changes in children's physical fitness and physical activity influence their cardiovascular health during adolescence? *International Journal of Sports Medicine*, 23(Suppl 1):15-21. PMID: 12012257
49. Weissman AM, Dawson JD, Rijhsinghani A, Honkamp NJ (2002). Non-evidence-based use of Rho(D) immune globulin for threatened abortion by family practice and obstetric faculty physicians. *Journal of Reproductive Medicine*, 47(11):909-912. PMID: 12497679
50. Weissman AM, Jogerst GJ, Dawson JD (2003). Community characteristics associated with child abuse. *Child Abuse and Neglect*, 27(10):1145-59. PMID: 14602096
51. Jogerst G, Daly JM, Brinig M, Dawson J, Schmuck G, Ingram J (2003). Domestic elder abuse and the law. *American Journal of Public Health*, 93(12):2131-2136. PMID: 14652346
52. Daly JM, Jogerst GJ, Brinig M, Dawson J (2003). Mandatory reporting: relationship of APS statute language on state reported elder abuse. *Journal of Elder Abuse & Neglect*, 15:1-21.
53. Jogerst GJ, Daly JM, Dawson JD, Brinig MG, Schmuck GA (2003). Required elder abuse education for Iowa mandatory reporters. *Journal of Elder Abuse & Neglect*, 15:59-73.



54. Jogerst GJ, Daly JM, Dawson JD, Brinig MF, Schmuck GA, Peek-Asa C (2004). APS investigative systems associated with county reported domestic elder abuse. *Journal of Elder Abuse & Neglect*, 16(3):1-17.
55. Uc EY, Rizzo M, Anderson SW, Shi Q, Dawson JD (2004). Driver route-following and safety errors in early Alzheimer disease. *Neurology*, 63(5):832-837. PMID: 15365132
56. Rizzo M, Stierman L, Skaar N, Dawson JD, Anderson SW, Vecera SP (2004). Effects of a controlled auditory-verbal distraction task on older driver vehicle control. *Transportation Research Record: Journal of the Transportation Research Board*, 1865:1-6.
57. McGehee DV, Lee JD, Rizzo M, Dawson J, Bateman K (2004). Quantitative analysis of steering adaptation on a high performance fixed-base driving simulator. *Transportation Research, Part F: Traffic Psychology and Behavior*, 7(3):181-196.
58. Dawson JD (2004). Quantitative analytical methods in translation research. *Worldviews in Evidence-Based Nursing*, 1(S1):S60-S64. PMID: 17129337
59. Uc EY, Rizzo M, Anderson S, Shi Q, Dawson J (2004). Route-following and safety errors in stroke. *Transportation Research Record: Journal of the Transportation Research Board*, 1899:90-95.
60. Brinig MF, Jogerst GJ, Daly JM, Schmuck GA, Dawson JD (2004). The public choice of elder abuse law. *Journal of Legal Studies*, 33:517-549.
61. Daly JM, Jogerst GJ, Haigh KM, Lenney JL, Dawson JD (2005). APS workers job requirements affecting elder abuse rates. *Social Work in Health Care*, 40(3):89-102. PMID: 15837670
62. Anderson SW, Rizzo M, Shi Q, Uc E, Dawson JD (2005). Cognitive abilities related to driving performances in a simulator and crashing on the road. *Proceedings of Driving Assessment 2005: The Third International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*, 286-292.
63. Uc EY, Rizzo M, Anderson S, Shi Q, Dawson J (2005). Driver identification of landmarks and traffic signs after a stroke. *Transportation Research Record: Journal of the Transportation Research Board*, 1922:9-14.
64. Uc EY, Rizzo M, Anderson SW, Shi Q, Dawson JD (2005). Driver landmark and traffic sign identification in early Alzheimer's disease. *Journal of Neurology, Neurosurgery, and Psychiatry*, 76:764-768. PMID: 15897495
65. Rizzo M, Shi Q, Dawson JD, Anderson SW, Kellison I, Pietras T (2005). Stops for cops: impaired response implementation in older drivers with cognitive decline. *Transportation Research Record: Journal of the Transportation Research Board*, 1922:1-8.
66. Uc EY, Rizzo M, Anderson SW, Shi Q, Rodnitzky RL, Dawson JD (2005). Visual dysfunction in Parkinson disease without dementia. *Neurology*, 65:1907-1913. PMID: 16282276
67. Dawson JD, Davis PH (2005). What's the big deal about BMI? *Chance*, 18(3):49-52.

68. Levy BT, Dawson J, Hartz AJ, James PA (2006). Colorectal cancer testing among patients cared for by Iowa family physicians. *American Journal of Preventive Medicine*, 31(3):193-201.
69. Uc EY, Rizzo M, Anderson SW, Sparks JD, Rodnitzky RL, Dawson JD (2006). Driving with distraction in Parkinson's disease. *Neurology*, 67:1774-1780. PMID: 17130409
70. Uc EY, Rizzo M, Anderson SW, Sparks JD, Rodnitzky RL, Dawson JD (2006). Impaired visual search in drivers with Parkinson's disease. *Annals of Neurology*, 60:407-413. PMID: 16969860
71. Jogerst GJ, Daly JM, Dawson JD, Peek-Asa C, Schmuck GA (2006). Iowa nursing home characteristics associated with reported abuse. *Journal of the American Medical Directors Association*, 7(4):203-7.
72. Brinig M, Jogerst G, Daly J, Dawson J, Schmuck (2006). Lawmaking by public welfare professionals. *Whittier Journal of Child & Family Advocacy*, 5:57-86.
73. Carter BL, Hartz AJ, Bergus G, Dawson JD, Doucette WR, Stewart JJ, Xu Y (2006). Relationship between physician knowledge of hypertension and blood pressure control. *Journal of Clinical Hypertension*, 8:481-486. PMID: 16849901
74. Uc EY, Rizzo M, Anderson SW, Shi Q, Dawson JD (2006). Unsafe rear-end collision avoidance in Alzheimer's disease. *Journal of the Neurological Sciences*, 251:35-43. PMID: 17049360
75. Anderson SW, Rizzo M, Skaar N, Stierman L, Cavaco S, Dawson J, Damasio H (2007). Amnesia and driving. *Journal of Clinical and Experimental Neuropsychology*, 29:1-12.
76. Ho BC, Andreasen NC, Dawson JD, Wassink TH (2007). Association between brain-derived neurotrophic factor Val66Met gene polymorphism and progressive brain volume changes in schizophrenia. *American Journal of Psychiatry*, 164:1890-1899. PMID: 18056245
77. Katz DA, Dawson J, Beshansky JR, Ranhko PS, Aufderheide TP, Bogner M, Tighouart H, Selker HP (2007). Does concordance with guideline triage recommendations affect clinical care of patients with possible acute coronary syndrome? *Medical Decision Making*, 27(4):423-437.
78. Ardery G, Carter BL, Milchak JL, Bergus G, Dawson JD, James PA, Franciscus C, Kim Y (2007). Explicit and implicit evaluation of physician adherence to hypertension guidelines. *Journal of Clinical Hypertension*, 9:113-119. PMID: 17268216
79. Gray GC, McCarthy T, Lebeck MG, Schnurr DP, Russell KL, Kajon AE, Landry ML, Leland DS, Storch GA, Ginocchio CC, Robinson CC, Demmler GJ, Saubolle MA, Kehl SC, Selvarangan R, Miller MB, Chapell JD, Zerr D, Kiska DL, Halstead DC, Capuano AW, Setterquist SF, Chorazy ML, Dawson JD, Erdman DD (2007). Genotype prevalence and risk factors for severe clinical adenovirus infections, United States 2004 to 2006. *Clinical Infectious Diseases*, 45(9):1120-1131. PMID: 17918073
80. Uc EY, Rizzo M, Anderson SW, Sparks J, Rodnitzky RL, Dawson JD (2007). Impaired navigation in drivers with Parkinson's disease. *Brain*, 130:2433-2440. PMID: 17686809

81. Capuano AW, Dawson JD, Gray GC (2007). Maximizing power in seroepidemiological studies through use of the proportional odds model. *Influenza and Other Respiratory Viruses*, 1:87-93. PMID: 18176626
82. Uc EY, Rizzo M, Anderson SW, Sparks J, Shi Q, Rodnitzky RL, Dawson JD (2007). Predicting driver safety in Parkinson's disease: An interim report of an ongoing longitudinal study. *Proceedings of Driving Assessment 2007: The Fourth International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design*
83. Vance D, Dawson J, Wadley V, Edwards J, Roenker D, Rizzo M, Ball K (2007). The Accelerate Study: the longitudinal effect of speed of processing training on cognitive performance of older adults. *Rehabilitation Psychology*, 52:89-96.
84. Dawson JD, Cosman JD, Lei Y, Dastrup E, Sparks J, Rizzo M (2007). The relationship between driving behavior and entropy. *Proceedings of Driving Assessment 2007: The Fourth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*, 130-132.
85. Carter BL, Bergus GR, Dawson JD, Farris KB, Doucette WR, Chrischilles EA, Hartz AJ (2008). A cluster randomized trial to evaluate physician/pharmacist collaboration to improve blood pressure control. *Journal of Clinical Hypertension*, 10:260-271. PMID: 18401223
86. Rizzo M, Nawrot M, Sparks J, Dawson J (2008). First and second-order-motion perception after focal human brain lesions. *Vision Research*, 48(26):2682-2688.
87. Ernst ME, Weber CA, Dawson JD, O'Connor MA, Lin W, Carter BL, Bergus GR (2008). How well does a shortened time interval characterize results of a full ambulatory blood pressure monitoring session? *Journal of Clinical Hypertension*, 10:431-435. PMC: 18550932
88. Fravel MA, Ernst ME, Weber CA, Dawson JD, Carter BL, Bergus GR (2008). Influence of patient characteristics on success of ambulatory blood pressure monitoring. *Pharmacotherapy*, 28(11):1341-1347. PMID: 18956994
89. Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M (2008). Modeling the variability of lateral vehicular control. *10th International Conference on Applications of Advanced Technologies in Transportation, Athens, Greece, May 28th-30st, 2008*, Proceedings CD:523.
90. Milchak JL, Carter BL, Ardery G, Dawson JD, Harmston M, Franciscus CL (2008). Physician adherence to blood pressure guidelines and its effect on seniors. *Pharmacotherapy*, 28:843-851. PMID: 18576899
91. Carter BL, Farris KB, Abramowitz P, Weetman DB, Kaboli PJ, Dawson JD, James PA, Christensen AJ, Brooks JM (2008). The Iowa continuity of care study: background and methods. *American Journal of Health-System Pharmacy*, 17:1631-1642. PMID: 18714110
92. Dawson JD, Rizzo M, Anderson SW, Dastrup E, Uc E (2009). Ascertainment of on-road safety errors based on video review. *Proceedings of Driving Assessment 2009: The Fifth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*
93. Dawson JD, Rizzo M, Anderson SW, Dastrup E, Uc E (2009). Collision avoidance training using a driving simulator in drivers with Parkinson's disease: a pilot study. *Proceedings of*

*Driving Assessment 2009: The Fifth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*

94. Lees MN, Cosman JD, Lee JD, Vecera SP, Jang M, Dawson JD, Rizzo MR (2009). Cross-modal alerts for orienting of attention in attention impaired drivers. *Proceedings of the IEA 2009 XVIIth Triennial Congress*
95. Dastrup E, Lees MN, Dawson JD, Lee JD, Rizzo M (2009). Differences in simulated car following behavior of younger and older drivers. *Proceedings of Driving Assessment 2009: The Fifth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*76-82.
96. Uc EY, Rizzo M, Anderson SW, Dastrup E, Sparks JD, Dawson JD (2009). Driving under low-contrast visibility conditions in Parkinson's disease. *Neurology*, 73(14):1103-1110. PMID: 19805726
97. Uc EY, Rizzo M, Dastrup E, Sparks J, Anderson SW, Dawson JD (2009). Impaired curve negotiation in drivers with Parkinson's disease. *Turkish Journal of Neurology*, 15(1):10-18.
98. Carter BL, Ardery G, Dawson JD, James PA, Bergus GR, Doucette WR, Chrischilles EA, Franciscus CL, Xu Y (2009). Physician and pharmacist collaboration to improve blood pressure control. *Archives of Internal Medicine*, 169(21):1996-2002. PMID: 9933962
99. Dawson JD, Anderson SW, Uc EY, Dastrup E, Rizzo M (2009). Predictors of driving safety in early Alzheimer's disease. *Neurology*, 72(6):521-527. PMID: 19204261
100. Dawson JD, Sonka M, Blecha MB, Lin W, Davis PH (2009). Risk factors associated with aortic and carotid intimal-media thickness in adolescents and young adults: the Muscatine offspring study. *Journal of the American College of Cardiology*, 53(24):2273-2279. PMID: 19520251
101. Uc EY, Rizzo M, Johnson AM, Dastrup E, Anderson SW, Dawson JD (2009). Road safety in drivers with Parkinson's disease. *Neurology*, 73(24):2112-2119. PMID: 20018639
102. Rizzo M, Uc EY, Dawson JD, Anderson SW, Rodnitzky RL (2010). Driving difficulties in PD. *Movement Disorders: Official Journal of the Movement Disorder Society*, 25(Suppl 1):S136-140. PMC: PMC3108508, PMID: 20187237
103. Nothwehr F, Snetselaar L, Dawson JD, Hradek C, Sepulveda M (2010). Healthy option preferences of rural restaurant customers. *Health Promotion Practice*, 11(6):828-836. PMID: 19515859
104. Nopoulos P, Boes AD, Jabines A, Conrad AL, Canady J, Richman L, Dawson JD (2010). Hyperactivity, impulsivity, and inattention in boys with cleft lip and palatae: Relationship to ventromedial prefrontal cortex morphology. *Journal of Neurodevelopmental Disorders*, 2(4):235-242. PMC: PMC3164053, PMID: 22127933
105. Davis PH, Dawson JD, Blecha MB, Mastbergen R, Sonka M (2010). Measurement of aortic intimal-medial thickness in adolescents and young adults. *Ultrasound in Medicine and Biology*, 36(4):560-565. PMID: 20350682
106. Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M (2010). Modeling lateral control in driving studies. *Accident Analysis & Prevention*, 42(3):891-897. PMID: 20380917

107. Dawson JD, Uc EY, Anderson SW, Johnson AM, Rizzo M (2010). Neuropsychological predictors of driving errors in older adults. *Journal of the American Geriatrics Society*, 58(6):1090-1096. PMC: PMC3204878, PMID: 20487082
108. Barrash J, Stillman A, Anderson SW, Uc EY, Dawson JD, Rizzo M (2010). Prediction of driving ability with neuropsychological tests: Demographic and adjustments diminish accuracy. *Journal of the International Neuropsychological Society*, 16(4):679-686. PMID: 20441682
109. Dastrup E, Lees MN, Bechara A, Dawson JD, Rizzo M (2010). Risky car following in abstinent users of MDMA. *Accident Analysis & Prevention*, 42(3):867-873. PMID: 20380914
110. Lester E, Dawson JD, Gantz BJ, Hansen MR (2011). Barriers to the early cochlear implantation of deaf children. *Otology & Neurology*, 32(3):406-12.
111. Ernst ME, Sezate GS, Lin W, Weber CA, Dawson JD, Carter BL, Bergus GR (2011). Indication-specific 6-h systolic blood pressure can approximate 24-h determination of blood pressure control. *Journal of Human Hypertension*, 25:250-255. PMC: PMC2946963, PMID: 20574446
112. Johnson AM, Dawson JD, Rizzo M (2011). Lateral Control in a Driving Simulation: Correlations with Neuropsychological Tests and On-Road Safety Errors. *Proceedings of Driving Assessment 2011: The Sixth International Driving Symposium on Human Factors in Driving Assessment, Training, and Vehicle Design*
113. Kao JS, Dawson JD, Murray JC, Dagle JM, Berends SK, Gillen SB, Bell EF (2011). Possible roles of bilirubin and breast milk in protection against retinopathy of prematurity. *Acta Paediatrica*, 100(3):347-351. PMC: PMC3033479, PMID: 20969622
114. Uc EY, Rizzo M, Johnson AM, Emerson JL, Liu D, Mills ED, Anderson SW, Dawson JD (2011). Real-life driving outcomes in Parkinson disease *Neurology*, 76(22):1894-1902. PMC: PMC3115811, PMID: 21624988
115. Boer E, Cleij D, Dawson JD, Rizzo M (2011). Serialization of vehicle control at intersections in older drivers. *Proceedings of Driving Assessment 2011: The Sixth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*
116. Aksan N, Lees M, Lee J, Vecera S, Rizzo M (2011). Hazard perception in cognitively impaired older drivers. *Annals of Neurology*, 70(Suppl 15):S29.
117. Aksan N, Anderson SW, Dawson JD, Uc E, Johnson AM, Rizzo M (2012). Cognitive functioning predicts driver safety on road-tests one and two years later. *Journal of American Geriatric Society*, 60(1):99-105. PMC: PMC3258369, PMID: 22091535
118. Thompson KR, Johnson AM, Emerson JL, Dawson JD, Boer ER, Rizzo M (2012). Distracted driving in elderly and middle-aged drivers. *Accident Analysis and Prevention*, 45:711-717. PMC: PMC3266512, PMID: 22269561
119. van der Plas E, Caspell CJ, Aerts AM, Tsalikian E, Richman LC, Dawson JD, Nopoulos P (2012). Height, BMI, and pituitary volume in individuals with and without isolated cleft lip and/or palate. *Pediatric Research*, 71(5):612-618. PMC: 22322386, PMID: PMC3637911

120. Anderson SW, Aksan N, Dawson JD, Uc EY, Johnson AM, Rizzo M (2012). Neuropsychological assessment of driving safety risk in older adults with and without neurologic disease. *Journal of Clinical and Experimental Neuropsychology*, 34(9):895-905. PMC: PMC3910382, PMID: 22943767
121. Emerson JL, Johnson AM, Dawson JD, Uc EY, Anderson SW, Rizzo M (2012). Predictors of driving outcomes in advancing age. *Psychology and Aging*, 27(3):550-559. PMC: PMC3360997, PMID: 22182364
122. Anderegg SV, DeMik DE, Carter BL, Dawson JD, Farris K, Shelsky C, Kaboli P (2013). Acceptance of recommendations by inpatient pharmacy case managers: Unintended consequences of hospitalist and specialist care. *Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy*, 33(1):11-21. PMC: PMC4117375, PMID: 23307540
123. Aksan N, Schall M, Dawson JD, Anderson S, Tippin J, Rizzo M (2013). Can intermittent video sampling capture individual differences in naturalistic driving? *Proceedings of Driving Assessment 2013: The Seventh International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*135-141. PMC: PMC3923573, PMID: 24535569
124. Yu L, Dawson JD, Aksan NS, Tippin J, Rizzo M (2013). Effects of environmental factors on naturalistic driving in obstructive sleep apnea. *Proceedings of International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*142-148. PMC: 4217221
125. Nothwehr F, Snetselaar LG, Dawson JD, Schultz U (2013). Promoting healthy choices in non-chain restaurants: Effects of a simple cue to customers. *Health Promotion Practice*, 14(1):132-138. PMC: PMC3956304, PMID: 23048009
126. McDonald AD, Lee JD, Aksan NS, Dawson JD, Tippin J, Rizzo M (2013). The language of driving: Advantages and applications of symbolic data reduction for analysis of naturalistic driving data. *Transportation Research Record: Journal of the Transportation Research Board*, 2392:22-30. PMC: PMC4507408, PMID: 26203202
127. Capuano AW, Dawson JD (2013). The trend odds model for ordinal data. *Statistics in Medicine*, 32(13):2250-2261. PMC: PMC3650098, PMID: 23225520
128. Krone T, Dawson JD, Anderson SA, Aksan N, Tippin J, Rizzo M (2013). Using feedback from naturalistic driving to improve treatment adherence in drivers with obstructive sleep apnea. *Proceedings of Driving Assessment 2013: The Seventh International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*43-49. PMC: PMC3920595, PMID: 24525915
129. Rusch ML, Schall Jr. MC, Gavin P, Lee JD, Dawson JD, Vecera S, Rizzo M (2013). Directing driver attention with augmented reality cues. *Transportation Research Part F: Traffic Psychology and Behaviour*, 16:127-137. PMC: PMC3891797, PMID: 24436635
130. Chen K, Anderson SW, Rusch ML, Aksan NS, Dawson JD, Rizzo M (2013). "Choking under Pressure" in Older Drivers. *Proceedings of Driving Assessment 2013: The Seventh International Driving Symposium on Human Factors in Driving Assessment, Training, and Vehicle Design*432-438. PMC: PMC4850492, PMID: 27135060

131. Schall M, Rusch ML, Lee JD, Dawson JD, Thomas G, Aksan N, Rizzo M (2013). Augmented reality cues and elderly driver hazard perception. *Human Factors*, 55(3):643-658. PMC: PMC3875361, PMID: 23829037
132. Dawson JD, Yu L, Chen K, Rusch M, Johnson AM, Aksan NS, Sunda T, Hiramatsu M, Anderson SW, Rizzo M (2013). Neuropsychological Predictors of Safety in Urban Left-Turn Scenarios. *Proceedings of Driving Assessment 2013: The Seventh International Driving Symposium on Human Factors in Driving Assessment, Training, and Vehicle Design*226-232. PMC: PMC4850494, PMID: 27135059
133. Devos H, Vandenberghe W, Nieuwboer A, Tang M, De Weerd W, Dawson JD, Uc EY (2013). Validation of a screening battery to predict driving fitness in people with Parkinson's disease. *Movement Disorders*, 28(5):671-674. PMID: 23436270
134. Aksan N, Dawson JD, Emerson J, Yu L, Uc EY, Anderson S, Rizzo M (2013). Naturalistic distraction and driving safety in older drivers. *Human Factors*, 55(4):841-855. PMC: PMC3880225, PMID: 23964422
135. McDonald AD, Lee JD, Aksan N, Dawson JD, Tippin J, Rizzo M (2013). Highway healthcare: How naturalistic driving data index adherence to CPAP therapy in obstructive sleep apnea. *Proceedings of the Human Factors and Ergonomics Society 57th Annual Meeting*, 57(1):1859-1863. PMC: PMC4613796, PMID: 26500422
136. Aksan N, Tippin J, Dawson J, Anderson S, Rizzo M (2013). Course of improvement in sleepiness in OSA after introduction of PAP. *Annals of Neurology*, 74(SI Supplement: 17):S30.
137. Aksan N, Schall M, McDonald A, Dawson J, Anderson S, Lee J, Tippin J, Rizzo M (2013). Self-regulation of real-world driving changes after PAP-treatment in OSA. *Annals of Neurology*, 74(SI Supplement: 17):S30.
138. Chen K, Chapleau M, Aksan N, Kochanska G, Anderson S (2014). Childhood temperament reflected in parasympathetic activity changes during startle habituation. *Psychophysiology*, 51(SI Supplement 1):S53-S54.
139. Belfi AM, Conrad AL, Dawson JD, Nopoulos P (2014). Masculinity/femininity predicts brain volumes in normal healthy children. *Developmental Neuropsychology*, 39(1):25-36. PMC: PMC4090143, PMID: 24405182
140. Uc EY, Doerschug KC, Magnotta VA, Dawson JD, Thomsen TR, Kline JN, Rizzo M, Newman SR, Mehta SH, Grabowski TJ, Bruss JE, Blanchette DR, Anderson SW, Voss MW, Kramer AF, Darling WG (2014). A Phase I/II, randomized trial of aerobic exercise in Parkinson Disease in community setting. *Neurology*, 83(5):413-425. PMC: PMC4132568, PMID: 24991037
141. McDanel JS, Ward MA, Leder L, Schweizer ML, Dawson JD, Diekema DJ, Smith TC, Chrischilles EA, Perencevich EN, Herwaldt LA (2014). Methicillin-Resistant Staphylococcus Aureus (MRSA) prevention practices in hospitals throughout a rural state. *American Journal of Infection Control*, 42(8):868-873. PMID: 25087139

142. Farris KB, Carter BL, Xu Y, Dawson JD, Shelsky C, Weetman DB, Kaboli PJ, James PA, Christensen AJ, Brooks JM (2014). Effect of a care transition intervention by pharmacists: An RCT. *BMC Health Services Research*, 14(1):406. PMC: PMC4262237, PMID: 25234932
143. Rusch ML, Schall, Jr. MC, Lee JD, Dawson JD, Rizzo M (2014). Augmented reality cues to assist older drivers with gap estimation for left-turns. *Accident; Analysis and Prevention*, 71:210-221. PMC: PMC4104258, PMID: 24950128
144. McLaurin E, McDonald AD, Lee JD, Aksan N, Dawson JD, Tippin J, Rizzo M (2014). Variations on a theme: Topic modeling of naturalistic driving data. *Human Factors and Ergonomics Society Proceedings*, 58:2107-2111.
145. Lester B, Sager L, Hacker S, Aksan N, Satoshi K, Dawson J, Rizzo M (2015). A pilot study on the effectiveness of forward collision warning or older drivers and proposed future directions for in-vehicle alerts. *Proceedings of Driving Assessment 2015: The Eighth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*, 345-351.
146. Tereshchenko A, McHugh M, Lee JK, Gonzalez-Alegre P, Crane K, Dawson J, Nopoulos P (2015). Abnormal weight and body mass index in children with juvenile Huntington's disease. *Journal of Huntington's Disease*, 4(3):231-238. PMID: 26443925
147. Aksan N, Dawson J, Tippin J, Lee JD, Rizzo M (2015). Effects of fatigue on real-world driving in diseased and control participants. *Proceedings of Driving Assessment 2015: The Eighth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*, 274-280.
148. Aksan N, Anderson SW, Dawson JD, Uc EY, Rizzo M (2015). Cognitive functioning differentially predicts different dimensions of older drivers' on-road safety. *Accident Analysis & Prevention*, 75:236-244. PMC: PMC4386614, PMID: 25525974
149. Dawson J, Yu L, Aksan N, Rizzo M, Tippin J, Anderson S (2015). Feedback from naturalistic driving improves treatment compliance in drivers with obstructive sleep apnea. *Proceedings of Driving Assessment 2015: The Eighth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design* 30-35. PMC: PMC4673965, PMID: 26658275
150. Dawson J, Yu L, Sewell K, Skibbe A, Aksan N, Tippin J, Rizzo M (2015). Linking GPS data to GIS databases to assess driving patterns in drivers with obstructive sleep apnea. *Proceedings of Driving Assessment 2015: The Eighth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design* 148-154. PMC: PMC4673000, PMID: 26665183
151. Carter BL, Levy BT, Gryzlak B, Chrischilles EA, Vander Weg MW, Christensen AJ, James PA, Moss CA, Parker CP, Gums T, Finkelstein RJ, Xu Y, Dawson JD, Polgreen LA (2015). A centralized cardiovascular risk service to improve guideline adherence in private primary care offices. *Contemporary Clinical Trials*, 43:25-32. PMC: PMC4522340, PMID: 25952471
152. McDanel JS, Perencevich EN, Diekema DJ, Herwaldt LA, Smith TC, Chrischilles EA, Dawson JD, Jiang L, Goto M, Schweizer ML (2015). Comparative effectiveness of Beta-lactams versus Vancomycin for treatment of Methicillin-Susceptible Staphylococcus aureus bloodstream infections among 122 hospitals. *Clinical Infectious Diseases*, 61(3):361-367. PMID: 25900170



153. Chen KH, Rusch ML, Dawson JD, Rizzo M, Anderson SW (2015). Susceptibility to social pressure following ventromedial prefrontal cortex damage. *Social Cognitive and Affective Neuroscience*, 10(11):1469-1476. PMC: PMC4631144, PMID: 25816815
154. McDanel JS, Perencevich EN, Diekema DJ, Winokur PL, Johnson JK, Herwaldt LA, Smith TC, Chrischilles EA, Dawson JD, Schweizer ML (2015). Association between microbial characteristics and poor outcomes among patients with methicillin-resistant *Staphylococcus aureus* pneumonia: a retrospective cohort study. *Antimicrob Resist Infect Control*, 4:51. PMC: PMC4677450, PMID: 26668737
155. Aksan N, Sager L, Hacker S, Lester B, Dawson J, Rizzo M (2016). Benefits from heads-up lane departure warnings predict safety in the real world. *SAE Technical Paper 2016-01-1443*.
156. Aksan N, Hacker S, Sager L, Dawson J, Anderson S, Rizzo M (2016). Correspondence between simulator and on-road drive performance: Implications for training and rehabilitation. *Geriatrics*, 1(8):1-9.
157. Aksan N, Sager L, Hacker S, Marini R, Dawson J, Anderson S, Rizzo M (2016). Forward collision warning: clues to optimal timing of advisory warnings. *SAE International Journal of Transportation Safety*, 4(1):107-112.
158. Capuano AW, Dawson JD, Ramirez MR, Wilson RS, Barnes LL, Field RW (2016). Modeling Likert scale outcomes with trend-proportional odds with and without cluster data. *Methodology*, 12:33-43.
159. Tippin J, Aksan N, Dawson J, Anderson S, Rizzo M (2016). Persistent sleep disruption and residual sleepiness after introduction of positive airway pressure therapy: a study of actigraphy-derived sleep metrics. *Sleep Medicine*, 24:24-31.
160. Capuano AW, Wilson R, Leurgans S, Dawson JD, Bennett DA, Hedeker D (2016). Sigmoidal mixed models for longitudinal data. *Statistical Methods in Medical Research*, 0(0):1-13. PMID: 27130491
161. Rusch ML, Schall MC, Lee JD, Dawson JD, Edwards SV, Rizzo M (2016). Time-to-contact estimation errors among older drivers with useful field of view impairments. *Accident Analysis & Prevention*, 95(Pt A):284-291. PMC: PMC4992624, PMID: 27472816
162. Aksan N, Sager L, Hacker S, Lester B, Dawson J, Rizzo M, Ebe K, Foley J (2017). Individual differences in cognitive functioning predict effectiveness of a heads-up lane departure warning for younger and older drivers. *Accident Analysis & Prevention*, 99(A):171-183.
163. Lee JK, Ding Y, Conrad AL, Cattaneo E, Epping E, Mathews K, Gonzalez-Alegre P, Cahill L, Magnotta V, Schlaggar BL, Perlmutter JS, Kim RE, Dawson JD, Nopoulos P (2017). Sex-specific effects of the Huntington gene on normal neurodevelopment. *Journal of Neuroscience Research*, 98:398-408.
164. Dawson JD, Bair E, Aksan N, Sewell K, Tippin J, Rizzo M (2017). Contextualizing naturalistic driving data in a rural state among drivers with and without obstructive sleep apnea. *Proceedings of Driving Assessment 2017: The Ninth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*. (Accepted/In Press)

165. Aksan N, Marini R, Tippin J, Dawson JD, Rizzo M (2017). Driving performance and driver state in obstructive sleep apnea: what changes with positive airway pressure? *Proceedings of Driving Assessment 2017: The Ninth International Driving Symposium on Human Factors in Driving Assessment, Training and Vehicle Design*. (Accepted/In Press)
166. Dlouhy B, Dawson J, Menezes A (2017). Intradural pathology and pathophysiology associated with Chiari I malformation in children and adults, with and without syringomyelia. *Journal of Neurosurgery: Pediatrics*. (Accepted/In Press)
167. Uc EY, Rizzo M, O'Shea AM, Anderson SW, Dawson JD (2017). Longitudinal decline of driving safety in Parkinson's disease. *Neurology*. (Accepted/In Press)
168. Dawson JD (2017). Nontechnical errors in statistical collaborative research. *ISI 2017 World Statistics Congress*. (Accepted/In Press)
169. Dawson JD (2017). Training statistics graduate students in ethics, reproducible research, and other best practices. *IASE 2017 Satellite Conference*. (Accepted/In Press)
170. Carter BL, Levy BT, Gryzlak B, Xu Y, Chrischilles EA, Dawson JD, Vander Weg MW, Christensen AJ, James PA, Polgreen LA (2017). A cluster randomized trial to evaluate a centralized cardiovascular risk service in private family medicine offices. *Circulation Outcomes*. (Submitted)
171. Dawson JD (2017). Practical and statistical challenges in driving research. *Statistics in Medicine*. (Submitted)
172. Jerath NU, Aksan N, Dawson JD, Rizzo M, Uc EY, Feeley S, Shy ME (2017). Simulator-based evaluation of driving in individuals with Charcot Marie Tooth Disease Type 1A. *Neurology*. (Submitted)

## **2. Non-Peer-Reviewed Papers (reports, proceedings, etc.)**

1. Dawson JD (1996). The power of measuring the association between genotypes and continuous variables in subsamples of available specimens. *ASA 1996 Proceedings of the Section on Statistical Education*, 246-9.
2. Dawson JD, Hilton SC (1997). Multivariable approaches for analyzing bounded data. *ASA 2001 Proceedings of the Biometrics Section*
3. Han SH, Dawson JD (1997). Regression to the mean and Lord's Paradox in observational studies. *ASA 1997 Proceedings of the Epidemiology Section*, 110-13.
4. Flanagan JR, Doebbeling BN, Dawson J, Beekmann S (1999). Randomized study of online vaccine reminders in adult primary care. *Proceedings of American Medical Informatics Association Symposium*, 755-759.
5. Dawson JD, Davis PH, Lauer RM (1999). Using area-under-the-curve calculations to describe the cumulative load of risk factors. *ASA 1999 Proceedings of the Section on Statistics in Epidemiology*, 64-67.
6. Rizzo M, Raby M, McGehee DV, Dawson J, Anderson SW, Bierbaum S, Mitchell R (2000). Quantification of driving performances during an auditory-verbal mental processing load.

*International Conference on Traffic and Transport Psychology*, Berne, Switzerland(September 4-7):Proceedings available on CD, Swiss Council for Accident Prevention.

7. Rizzo M, Stierman L, Skaar N, Dawson JD, Anderson SW, Vecera SP (2004). Effects of a controlled auditory-verbal distraction task on older driver vehicle control. *Compendium of Papers on CD-ROM: paper number 04-3866*.

### **3. Book Chapters**

1. Davis PH, Dawson JD (2006). Relationship between cardiovascular risk factors and coronary artery intimal-medial thickness. Lauer RM, Burns TL, and Daniels SR (Eds.), *Pediatric Prevention of Atherosclerotic Cardiovascular Disease.*, New York, NY: *Oxford University Press*
2. Brinig MF, Jogerst GJ, Daly JM, Schmuck GA, Dawson JD (2007). The public choice of elder abuse law. MF Brinig (Ed.), *Economics of Family Law.*, Northampton, MA: *Edward Elgar Publishing*
3. Dawson JD (2010). Statistical considerations. Fisher DL, Rizzo M, Caird J and Lee JD (Eds.), *Handbook of Driving Simulation for Engineering, Medicine, and Psychology.*, Boca Raton, FL: *CRC Press*
4. Aksan N, Dawson JD, Anderson SA, Uc EY, Rizzo M (2012). Differential and unique roles of off-road assessments to on-road safety. NA Stanton (Ed.), *Advances in Human Aspects of Road and Rail Transportation.* *CRC Press*404-411.
5. Tippin J, Aksan N, Dawson JD, Rizzo M (2012). Neuroergonomics of sleep and alertness. R. Proctor & A. Johnson (Eds.), *Neuroergonomics.*110-127.

### **B. Areas of Research Interest/Current Projects**

1. Adding Biostatistical Training to Medical School Curricula in Haiti (Current Project)
2. Brain imaging studies of children with Huntington's disease (Current Project)
3. Colon cancer screening (Current project)
4. Improving management of hypertension (Current Project)
5. Studies of healthy, impaired, and elderly drivers (Current Project)
6. Time-series models for driving data (Current Project)
7. Training Caregivers of Haitian Children in Homes and Orphanages (Current project)

### **C. Sponsored Research (ALL grants)**

(if you are not the PI, state your role or contributions - in a few sentences)

#### **1. Grants Received**

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
Sigma-Tau Data Management Center for a Placebo Controlled Study of Acetyl-L-Carnitine in Patients with Alzheimer's Disease Woolson <i>Principal</i> J Dawson <i>Consultant</i>	10%	01/01/1990- 12/31/1998
Pfizer National Mycology Epidemiology Survey (Biostatistics Core) J Dawson <i>Principal</i>	20%	\$50,000 01/01/1993- 12/31/1998
National Institutes of Health Epidemiology of Carotid Artery Atherosclerosis in Youth Lauer <i>Principal</i> J Dawson <i>Investigator</i>	15%	\$387,658 01/01/1995- 12/31/2000
NICHHD Occupational Risk of Cytomegalovirus Infection Murph <i>Principal</i> J Dawson <i>Investigator</i>	5%	\$184,461 01/01/1995- 12/31/2000
Centers for Disease Control Iowa Injury Prevention Research Center - Preliminary Studies of Crash Avoidance Behavior in Drivers with Traumatic Brain Injury Rizzo <i>Principal</i> J Dawson <i>Statistician</i>	2%	\$54,753 01/01/1996- 12/31/2001
College of Medicine Process Improvement Grant – Outcomes of Computer-Generated Reminders to Immunize Adults According to National Guidelines Doebbeling <i>Principal</i> J Dawson <i>Consultant</i>	2%	01/01/1996- 12/31/1997

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
University of Iowa Hospitals and Clinics Cancer Center ACS Seed Grant: Prospective Follow-up Assessment of Cervical HPV Detection Levy <i>Principal</i> J Dawson <i>Investigator</i>	5%	01/01/1997- 12/31/1998
NHLBI Arterial Endothelial Function: An Epidemiologic Study Ronald Lauer <i>Principal</i> J Dawson <i>Investigator</i>	10%	\$431,605 01/01/1998- 12/31/2004
NIA Safe and Unsafe Driving in Old Age, Alzheimer's Disease and Stroke Matthew Rizzo <i>Principal</i> J Dawson <i>Investigator</i>	10%	\$282,763 01/01/1999- 01/31/2004
5R01 AG017177 NIA Predictions of Driver Safety in Advancing Age Matthew Rizzo <i>Principal</i> J Dawson <i>Investigator</i>	10%	\$186,750 09/01/1999- 06/30/2011
National Institutes of Health Epidemiology of Carotid Artery Atherosclerosis in Youth—II Ronald Lauer <i>Principal</i> J Dawson <i>Investigator</i>	10%	\$420,124 01/01/2000- 12/31/2004
National Institutes of Health Improving the Research Infrastructure of Family Medicine and General Internal Medicine Cynda Johnson <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	5%	\$100,000 09/01/2000- 08/21/2003

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
IPRC Driver Impairment, Self-Awareness, and Crash Risk in Obstructive Sleep Apnea Matthew Rizzo <i>Principal</i> Jeffrey D. Dawson <i>Collaborator</i>	5%	\$79,203 09/01/2002- 08/31/2004
New Investigator Research Award, College of Public Health-College of Medicine, University of Iowa Predicting Driver Safety in Parkinson's Disease: A Pilot Study Ergun Uc <i>Principal</i> Jeffrey Dawson <i>Supporting</i>		\$10,000 01/01/2003- 12/31/2003
Improving Adherence to Blood Pressure Guidelines Barry Carter <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	10%	\$457,810 07/01/2003- 07/31/2010
National Institutes of Health Collaborative Management of Hypertension Barry Carter <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	10%	\$417,527 07/01/2003- 06/30/2006
Colorectal Cancer Screening Among Patients Attending Rural Family Physicians' Practices Barcey Levy <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	5%	\$100,000 09/09/2003- 08/31/2005
Predicting Driver Safety in Parkinson's Disease Ergun Uc <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	10%	\$231,250 09/30/2003- 06/30/2008
National Surveillance for Emerging Adenovirus Infections Greg Gray <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	5%	\$462,419 06/15/2004- 05/31/2009

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
Arterial Endothelial Function – An Epidemiological Study Trudy Burns <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	5%	\$509,367 07/01/2004- 05/31/2010
K01 (NIA) NIA Prefrontal Brain Structures, Aging, and Decision- Making Natalie Denburg <i>Principal</i> Jeffrey Dawson <i>Supporting</i>		\$107,912 08/01/2004- 07/31/2009
Epidemiology of Carotid Artery Atherosclerosis in Youth—III Patricia Davis <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	10%	\$425,973 09/15/2004- 12/31/2009
K23 MH068380 (NIMH) NIMH Neuroscience Studies on Early Detection of Schizophrenia Beng-Choon Ho <i>Principal</i> Jeffrey Dawson <i>Supporting</i>		\$159,884 09/01/2005- 08/31/2010
In-Car Technology to Alert Attention-Impaired Drivers Matthew Rizzo <i>Principal</i> Jeffrey Dawson <i>Co-Investigator</i>	10%	\$395,926 05/15/2006- 11/30/2010
1 T32 GM077973-01 Statistics in Microbiology, Infectious Diseases & Bioinformatics Kathryn Chaloner <i>Principal</i> Jeffrey Dawson <i>Co-Principal</i>		\$96,396 08/01/2006- 06/30/2011
Amgen PhD Fellowship (Gift) Kathryn Chaloner <i>Director</i> Jeffrey Dawson <i>Co-Director</i>		\$25,000 08/14/2006- 05/11/2009

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
1R21 HL087761-01 National Institutes of Health The Rural Restaurant Healthy Options Program Fayrle Nothwehr <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	5%	\$146,087 04/01/2007- 03/31/2009
1 R01 HL082711 National Institutes of Health Enhanced Continuity of Pharmacy Care for Cardiovascular or Pulmonary Diseases Barry Carter <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	5%	\$475,758 06/01/2007- 03/31/2013
US Dept. of Veteran's Affairs, Iowa City VAMC IPA: Effect of Aerobic Exercise in Parkinson's Disease (Biostatistical Subcontract) Jeffrey Dawson <i>Co-Principal</i> Ergun Uc <i>Principal</i>	10%	\$32,600 01/01/2009- 12/31/2011
5 R01 MS055903 National Institutes of Health Growth and Development of the Striatum in Huntington's Disease Peggy Nopoulos <i>Principal, University of Iowa</i> Jeffrey D. Dawson <i>Co-Investigator, University of Iowa/Department of Biostatistics</i>	10%	03/01/2009- 07/31/2018
1 R01 AR054439-01A2 National Institutes of Health Tensor Scale-Based Methods for Assessment of Trabecular Bone Quality Punam Kumar Saha <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	5%	\$266,294 06/18/2009- 05/31/2013
5 T15 HL097622 NIH Iowa Summer Institute in Biostatistics (ISIB) Kathryn M. Chaloner <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	4%	\$217,159 08/20/2009- 02/28/2016



Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
5 R01 HL091917 National Institutes of Health PAP Adherence and Real-World Driving Safety in OSA Matthew Rizzo <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	10%	\$459,760 06/01/2010- 03/31/2015
5 R01 HD062507 National Institutes of Health Mechanical Stress and Skeletal Plasticity after Spinal Cord Injury in Humans Richard Shields <i>Principal</i> Jeffrey Dawson	5%	\$193,622 07/24/2010- 05/31/2015
5 R18 HS019966 AHRQ Epidemiology of Rural MRSA: Is Livestock Contact a Risk Factor? Tara C. Smith <i>Principal</i> Jeffrey D. Dawson <i>Statistician</i>	7%	07/01/2012- 05/01/2013
Toyota Motor Engineering & Manufacturing of North America, Inc. Measuring Use and Impact of In-Vehicle Technologies on Older Driver Safety Matthew Rizzo <i>Principal</i> Jeffrey D. Dawson <i>Statistician</i>	10%	\$1,287,505 01/01/2013- 06/30/2015
2 R01 AG017177 NIH Predicting Driving Safety in Advancing Age Matthew Rizzo <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	15%	\$392,101 06/01/2013- 05/31/2018
5 R01 HL116311 NIH Improved Cardiovascular Risk Reduction to Enhance Rural Primary Care: I-CARE Trial Barry Carter <i>Principal</i> Jeffrey D. Dawson <i>Co-Investigator</i>	4%	\$525,329 08/08/2013- 07/31/2018

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
R01 HD084645 National Institutes of Health Musculoskeletal Plasticity after Spinal Cord Injury Richard Shields <i>Principal Investigator</i> Jeffrey D. Dawson <i>Co-Investigator</i>	2%	\$207,500 05/15/2015- 01/31/2020
R01 HD082109 National Institutes of Health Long Duration Activity and Metabolic Control after Spinal Cord Injury Richard Shields <i>Principal Investigator</i> Jeffrey D. Dawson <i>Co-Investigator</i>	2%	\$207,500 08/01/2015- 04/30/2020
1 R25 HL131467 National Institutes of Health Iowa Summer Institute for Research Education in Biostatistics (ISIREB) Gideon K. Zamba <i>Principal Investigator</i> Jeffrey D. Dawson <i>Co-Investigator</i>	5%	\$233,111 02/15/2016- 01/31/2019
R01 CA215034 National Institutes of Health Comparative Effectiveness of Fecal Immunochemical Tests with Optical Colonoscopy Barcy Levy <i>Principal Investigator</i> Jeffrey D. Dawson <i>Co-Investigator</i>	5%	\$728,951 08/01/2017- 07/31/2022

## D. Presentations

### 1. Invited Presentations

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1991	A Comparison of Summary Statistic Methods for Analyzing Repeated Measure Data in Comparative Clinical Trials (Dawson J)	NIAID Workshop on Longitudinal Analysis of Marker Data	Invited Lecture

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1993	Comparing Treatment Groups on the Basis of Slopes, Areas-Under-The-Curve, and Other Summary Measures (Dawson JD)	Drug Information Association Statistical Workshop, Hilton Head, South Carolina	Invited Lecture
1994	Comparing the Time-to-Threshold and Summary Statistic Methods for Analyzing Repeated Measures (Dawson J)	Departmental Seminar Series, Department of Biostatistics, Johns Hopkins University, Baltimore, Maryland	Invited Lecture
1994	Comparing the Time-to-Threshold and Summary Statistics Methods for Analyzing Repeated Measures (Dawson J)	Departmental Seminar Series, Department of Statistics, Iowa State University	Invited Lecture
1994	Sample Size and Power of 2-Group Tests of Repeated Measures Data (Dawson J)	Annual Meeting, Association of Schools of Public Health, Washington, D.C.	Invited Lecture
1994	Two-Sample Comparisons of Repeated Measures Data: Size, Robustness, and Power (Dawson J)	Harvard/Schering-Plough Clinical Trial Workshop, Boston, Massachusetts	Invited Lecture
1996	Comparing Treatment Groups on the Basis of Summary Measures (Dawson J)	Merck & Co., Rahway, New Jersey	Invited Lecture
1997	Short Course in Biostatistics (Dawson J)	SangStat, Ltd, Princeton, New Jersey	Invited Lecture
1999	Stratified Tests of Summary Measures: A Non-Interactive Approach for Incorporating Missing Data in Longitudinal Comparative Studies (Dawson JD)	Sixth Annual Biopharmaceutical Applied Statistics Symposium, Hilton Head, South Carolina	Invited Lecture
2000	Longitudinal Repeated Measures Data: Multivariate Representations Versus Random Effects Models (Dawson JD)	25th Annual BYU Summer Institute of Applied Statistics, Provo, Utah	Invited Lecture

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2000	Stratification Due to Missing Data in Longitudinal Studies (Dawson J)	Utah Chapter of the American Statistical Association, Provo, Utah	Invited Lecture
2001	Common Statistical Errors and Pitfalls in Bioscience Research (Dawson J)	BYU Statistics Department	Invited Lecture
2001	Winter Faculty Enrichment Series: Survival Analysis (Dawson J)	BYU Statistics Department	Invited Lecture
2006	Common Statistical Errors in Clinical and Laboratory Research (Dawson J)	Departments of Biology and Psychology, Drake University	Invited Lecture
2008	Using Simulators and Instrumented Vehicles to Study High-risk Drivers (Dawson J)	Statistics Department, Brigham Young University	Invited Lecture
2014	Overview of Biostatistics (Dawson JD)	Short Course, L'Université Notre-Dame d'Haïti Medical School, Turgeau, Port-au-Prince, Haiti	Invited Lecture
2014	Proportional Hazards in Survival Analysis (Dawson JD)	Survival Analysis Class, Brigham Young Statistics Department, Provo, Utah	Invited Lecture
2014	Seven Deadly Sins of Statistical Research (Dawson JD)	Special Seminar, Brigham Young Statistics Department, Provo, Utah	Invited Lecture
2014	Teaching Statistical Ethics via Lectures, Group Discussions, and Peer Mentoring (Dawson JD)	Meeting of the Association of Clinical and Translational Statisticians, Association of Clinical and Translational Statisticians, Boston, Massachusetts	Invited Lecture
2014	Trends and Challenges in Research Involving Elderly and Impaired Drivers (Dawson JD)	Rush Alzheimer's Disease Core Research Center Seminar, Rush University Medical Center, Chicago, Illinois	Invited Lecture

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2015	Anecdotes/Issues in Ethics: Consulting, Research, and Teaching	60th World Statistics Congress (ISI 2015), International Statistical Institute, Rio de Janeiro, Brazil	Invited Lecture
2015	Avoiding Accidents on the Big Data Highway: Lessons Learned from 20 Years of Driving Research (Dawson J)	Grand Rounds, University of Nebraska College of Public Health, Omaha, Nebraska	Invited Lecture
2015	Driving Studies in Healthy and Impaired Populations: Practical and Statistical Issues (Dawson J)	Fall Meeting, ASA, Nebraska Chapter	Invited Lecture
2015	Overview of Biostatistics (Dawson JD)	Short Course, L'Université Notre-Dame d'Haïti Medical School, Turgeau, Port-au-Prince, Haiti	Invited Lecture
2016	Overview of Biostatistics (Dawson JD)	Short Course, L'Université Notre-Dame d'Haïti Medical School, Turgeau, Port-au-Prince, Haiti	Invited Lecture
2016	Reproducible Research and Other Best Practices for Biostatisticians (Dawson JD)	Albert Einstein Medical Center, New York, New York	Invited Lecture
2017	Biostatistics: Statistics in Medicine and Public Health (Dawson JD)	Short Course, L'Université Notre-Dame d'Haïti Medical School, Turgeau, Port-au-Prince, Haiti	Invited Lecture
2017	Seven Deadly Sins of Statistical Collaboration (Dawson JD)	Memorial Sloan Kettering Cancer Institute, New York, New York	Invited Lecture

## 2. Conference Presentations/Posters

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1992	Conditional and Unconditional Summary Statistic Tests of Repeated Measure Data (Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Boston, Massachusetts	Oral

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1993	Sample Size Calculations Based on Slopes and Other Summary Statistics (Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS	Oral
1995	Comparing Likelihood-Based and Nonparametric Longitudinal Methods in the Presence of Informative and Noninformative Missing Data (Dawson JD, Han SH)	ENAR Spring Meeting, International Biometric Society (ENAR), Birmingham, Alabama	Oral
1995	Extending the Conditional Linear Model to General Random Effects (Yang HP, Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Orlando, Florida	Oral
1996	Biostatistics Orientation (Dawson J)	Department of Preventive Medicine and Environmental Health, Biostatistics Division, Carver College of Medicine, The University of Iowa	Oral
1996	The Power of Measuring the Association between Genotypes and Continuous Variables in Subsamples of Available Specimens (Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Chicago, Illinois	Oral
1997	Regression to the Mean and Lord's Paradox in Observational Studies (Dawson JD, Han SH)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Anaheim, California	Oral
1999	Using Area-Under-the-Curve Calculations to Describe the Cumulative Load of Risk Factors (Dawson JD, Davis PH, Lauer RM)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Baltimore, Maryland	Oral
2001	Multivariable Approaches for Analyzing Bounded Data (Dawson JD, Hilton SC)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Atlanta, Georgia	Oral
2004	The Effect of Observational Unit Size on Poisson Goodness-of-Fit Tests (Dawson JD, Ely JW)	ENAR Spring Meeting, International Biometric Society (ENAR), Pittsburgh, Pennsylvania	Oral

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2005	Defining and Assessing Endpoints in Driving Simulator Tasks (Shi Q, Stierman LM, Dawson JD, Rizzo M)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Minneapolis, Minnesota	Poster
2006	Carotid Intimal-Medial Thickness in the Offspring of the Muscatine Cohort: Analysis of Risk Factors P250 and Familial Correlation (Dawson JD, Davis PH)	46th Annual Conference on CVD Epidemiology and Prevention, American Heart Association, Phoenix, Arizona	Oral
2006	Measuring Lateral Control in Driving Studies (Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M)	Biometric Society (ENAR) Annual Meeting, Tampa, Florida	Oral
2006	Carotid Intimal-Medial Thickness in the Offspring of the Muscatine Cohort: Analysis of Risk Factors P250 and Familial Correlation (Dawson JD, Davis PH)	AHA 46th Annual Conference on CVD Epidemiology, Phoenix, Arizona	Poster
2006	Defining and Assessing Endpoint in Driving Simulator Tasks (Shi Q, Stierman LM, Dawson JD, Rizzo M)	University of Iowa Research Week, College of Public Health, College of Medicine, and VA Hospital	Poster
2006	Measuring Lateral Control in Driving Studies (Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M)	ENAR Spring Meeting, International Biometric Society (ENAR), Tampa, Florida	Poster
2007	Important Statistical Issues in Research (Dawson J)	Department of Internal Medicine, Carver College of Medicine, The University of Iowa	Oral
2007	Aortic and Carotid Intimal-Medial Thickness in Adolescents and Young Adults: the Muscatine Offspring Study (Dawson JD, Sonka M, Blecha MB, Lin W, Wang Q, Davis PH)	AHA 46th Annual Conference on CVD Epidemiology, Orlando, Florida	Poster

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2007	Factors Affecting Vehicular Lateral Control Measures in Driving Simulators (Dawson JD, Cosman JD, Lei Y, Dastrup E, Sparks J, Rizzo M)	ENAR Spring Meeting, International Biometric Society (ENAR), Atlanta, Georgia	Poster
2007	Modeling Lateral Position and Control in Driving Studies of Elderly Populations (Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Salt Lake City, Utah	Poster
2008	Aortic and Carotid Intimal-Medial Thickness in Adolescents and Young Adults: Updated Results from the Muscatine Offspring Study (Dawson JD, Lin W, Davis PH)	Hawaii International Conference on Statistics, Mathematics, and Related Fields, Honolulu, Hawaii	Poster
2008	Assessment of Comparability, Reliability, and Predictability in Medical Studies (Dawson JD, Lin W, Davis PH)	Hawaii International Conference on Statistics, Mathematics, and Related Fields, Honolulu, Hawaii	Poster
2008	Modeling The Variability Of Lateral Vehicular Control (Dawson JD, Cavanaugh JE, Zamba KD, Rizzo M)	10th International Conference on Applications of Advanced Technologies in Transportation, Athens, Greece	Poster
2009	Crashes, Moving Violations, and Driving Cessation in Early Alzheimer's Disease (Dawson JD, Dastrup E, Uc EY, Anderson SW, Rizzo M)	Annual Meeting, American Academy of Neurology, Seattle, Washington	Oral
2009	Crashes, Moving Violations, and Driving Cessation in Early Alzheimer's Disease (Dawson JD, Dastrup E, Uc EY, Anderson SW, Rizzo M)	Annual Meeting of the American Academy of Neurology, Seattle, Washington	Poster
2009	Relationship Between Cognition and Driving Safety in Alzheimer's Disease (Dawson JD, Anderson SW, Uc EY, Dastrup E, Rizzo M)	Annual Meeting of the American Neurological Association, Salt Lake City, Utah	Poster



<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2010	Joint Modeling of Correlated Recurrent and Terminal Events with Multivariate Frailty in the Analysis of Driving Safety Data in Old Drivers with Neurological Diseases (Liu DA, Uc E, Dastrup E, Porter A, Dawson JD, Rizzo M)	ENAR Spring Meeting, International Biometric Society (ENAR), New Orleans, Louisiana	Oral
2010	Modeling Time Series Data with Semi-Reflective Boundaries with Application of Lateral Control of Motor Vehicles (Johnson AM, Dawson JD)	ENAR Spring Meeting, International Biometric Society (ENAR), New Orleans, Louisiana	Oral
2010	Nested and Block Designs in Multi-Clinic Intervention Studies (Dawson JD, Ardery G, Carter BL, Lesh SM)	3rd Annual NIH Conference on the Science of Dissemination and Implementation: Methods and Measurement, Washington, District of Columbia	Oral
2010	Trends and Challenges in Research Involving Elderly and Impaired Drivers (Dawson JD, Dastrup E, Johnson AM, Uc EY, Rizzo M)	International Biometric Society (ENAR) Annual Spring Meeting, New Orleans, Louisiana	Oral
2010	Trends and Challenges in Research Involving Elderly and Impaired Drivers (Dawson J)	Topic Contributed Section, ENAR 2010, New Orleans, Louisiana	Oral
2011	Analysis of High-Frequency Measures of Lateral Vehicular Control in Healthy and Impaired Populations (Dawson J)	Fall Technical Conference of ASA's Section on Physical and Engineering Sciences, Kansas City, Missouri	Oral
2011	Data Reduction of Electronic Measures in Driving Studies (Dawson JD, Johnson AM, Mills ED, Uc EY, Rizzo M)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Miami Beach, Florida	Oral

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2011	Semicontinuous Model Misspecification: Zero-Inflated Log-Normal and Zero-Inflated Gamma Distributions (Miles ED)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Miami Beach, Florida	Oral
2013	Time Series Data with Semi-Reflective Boundaries: Single-Pass and Iterative Methods (Johnson AM, Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Montreal, Canada	Oral
2013	Self-Centering Time Series Data: Single-Pass & Iterative Methods (Johnson AM, Dawson JD)	10th International Conference on Health Policy Statistics, American Statistical Association, Chicago, Illinois	Poster
2014	Modeling Driving Behavior Using Advanced Data Collection Methods (Dawson JD)	Joint Statistical Meetings, ASA, ENAR, WNAR, IMS, Boston, Massachusetts	Oral
2014	Overview of Rehabilitation (Dawson JD)	Food for the Poor's Little Children of Jesus Orphanage Caregiver School, Santo, Ouest, Haiti	Oral
2015	Driving Studies in Healthy and Impaired Populations: Practical and Statistical Issues (Dawson J)	WNAR Annual Meeting, International Biometric Society (WNAR), Boise, Idaho	Oral

### 3. Other Presentations

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1987	Data Quality Assurance in Field Studies	Department of Statistics Seminar, Brigham Young University, Provo, Utah	Seminar
1989	Computing Module (2 weeks/year, 35 hours/week)	New MPH Student Orientation Sessions, Harvard School of Public Health	Demonstration
1990	Computing Module (2 weeks/year, 35 hours/week)	New MPH Student Orientation Sessions, Harvard School of Public Health	Demonstration

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1990	Using Summary Statistics to Test Treatment Effect on CD4 Counts (Dawson J)	Harvard AIDS Institute's HIV Disease Working Group, Department of Biostatistics, Harvard School of Public Health	Seminar
1991	Repeated Measures Longitudinal Data (Dawson J)	UIHC Clinical Epidemiology Group, The University of Iowa	Seminar
1992	Intention-to-Treat and Missing Data in Clinical Trials (Dawson J)	Department of Preventive Medicine and Environmental Health, Carver College of Medicine, The University of Iowa	Seminar
1992	Sample Uses of Proc IML in SAS (Dawson J)	Department of Preventive Medicine and Environmental Health, Carver College of Medicine, The University of Iowa	Seminar
1992	Using Logrank Tests of Time-to-Threshold Survival Data in Repeated Measures Settings (Dawson J)	Department of Preventive Medicine and Environmental Health, Carver College of Medicine, The University of Iowa	Seminar
1994	Sample Size Calculations for Repeated Measures Studies (Dawson J)	Department of Preventive Medicine and Environmental Health, Carver College of Medicine, The University of Iowa	Seminar
1997	Adjusting for Baseline Differences in Observation Studies (Dawson J, Han SH)	Department of Preventive Medicine and Environmental Health, Biostatistics Division, Carver College of Medicine, The University of Iowa	Seminar
1997	Research Skills Workshop Series (6-hr short course) (Dawson J)	The University of Iowa, Iowa City, Iowa	Seminar
1998	Research Skills Workshop Series (6-hr short course) (Dawson J)	The University of Iowa	Seminar

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
1999	Using AUC Calculations to Describe the Cumulative Load of Risk Factors (Dawson JD, Davis PH, Lauer RM)	Biostatistics Department, College of Public Health, The University of Iowa	Seminar
2000	Avoiding Common Statistical Errors When Conducting Scientific Research (Dawson J)	College of Dentistry, The University of Iowa	Seminar
2000	Statistic Issues and Errors in the Design, Implementation, Analysis, Presentation, and Review of Scientific Research (Dawson J)	Department of Family Medicine, Carver College of Medicine, University of Iowa	Seminar
2001	Approaches for Analyzing Bounded Data (Dawson J)	Biostatistics Department, College of Public Health, The University of Iowa	Seminar
2003	Quantitative Analytical Methods in Translation Research (Dawson J)	Advancing Quality Care Through Translation Research, Agency for Healthcare Research and Quality	Seminar
2004	Variability, Independence, and Sample Size Issues in Medical Research (Dawson J)	Department of Internal Medicine, Carver College of Medicine, The University of Iowa	Seminar
2005	Ethical Guidelines for Biostatisticians	Department of Biostatistics, University of Iowa	Seminar
2008	Job Interview Skills for Biostatisticians (Dawson J)	Biostatistics Student Organization, University of Iowa	Demonstration
2008	Applied and Methodological Work in Driving Studies (Dawson J)	Biostatistics Student Organization Academic Club, The University of Iowa	Seminar
2009	Overview of Rehabilitation and Range-of-Motion Exercises (Dawson J)	Caregivers Class at Klinik Kay Kapab, Healing Hands for Haiti International Foundation Inc., Port-au-Prince, Haiti	Demonstration
2009	An Introduction to the Field of Biostatistics (Dawson J)	Math Club, The University of Iowa	Seminar

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
2009	Missing and Sparse Data and Other Issues of Bias (Dawson J)	Neurology Department, Carver College of Medicine, The University of Iowa	Seminar
2009	Statistical Issues in Research: Design and Analysis (Dawson J)	Neurology Department, Carver College of Medicine, The University of Iowa	Seminar
2010	A Time-Series Model for Lateral Control in Driving Studies	Department of Biostatistics, University of Iowa	Seminar
2010	Thinking Outside the Box-Plot: Outreach in Haiti and Other Non-Traditional Roles for Biostatisticians	Department of Biostatistics, University of Iowa	Seminar
2011	Childhood Development (Dawson JD)	Caregivers Class at New Life Orphanage, Healing Hands for Haiti International Foundation Inc., Port-au-Prince, Haiti	Demonstration
2013	Overview of Rehabilitation (Dawson JD)	Caregivers Class at Notre Maison Orphanage, Healing Hands for Haiti International Foundation Inc., Santo, Ouest, Haiti	Demonstration
2014	Overview of Rehabilitation (Dawson JD)	Caregivers Class at Food for the Poor Orphanage, Healing Hands for Haiti International Foundation Inc., Santo, Ouest, Haiti	Demonstration
2015	Overview of Rehabilitation (Dawson JD)	Caregivers Class at Notre Maison Orphanage, Healing Hands for Haiti International Foundation Inc., Santo, Ouest, Haiti	Demonstration
2016	Overview of Rehabilitation (Dawson JD)	Caregivers Class at Food for the Poor Orphanage, Humanitize Expeditions, Santo, Ouest, Haiti	Demonstration
2017	Overview of Rehabilitation (Dawson JD)	Caregivers Class at Notre Maison Orphanage, Humanitize Expeditions, Santo, Ouest, Haiti	Demonstration

#### IV. SERVICE

##### A. Offices/appointments held in professional organizations

###### 1. Editorships

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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###### 2. Review Panels

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1993	Statistical Biostatistics Doctorate Programs for the National Research Council	Reviewer
1997	NIH-NAIDS-DAIDS statistical and clinical coordinating center applications	Reviewer
1998	NIH-NAIDS-DAIDS Study Section Committee for statistical and clinical coordinating center applications	Member
1999-2000	NIH-NHLBI special emphasis panel	Reviewer
2003	NIH-NHLBI review panel for peripheral artery disease grants	Reviewer
2004-2012	National Medical Research Council	Reviewer
2004	NIH review panel for clinical & statistical coordinating center applications	Reviewer
2005	NIH review panel for SCOR in Hemostatic and Thrombotic Diseases	Reviewer
2006	NIH review panel for applications studying chronic kidney disease	Reviewer
2007	Canada Foundation for Innovation	Reviewer
2009	Review panel for tenure candidacy of college of medicine faculty member, University of California	Reviewer

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2009	U.S. Department of Transportation medical expert review panel on driving licensure regulations for interstate commerce	Member
2010	NCI focus panel on the HINTS database	Member
2017-Present	FMCSA Vision Standard Peer Review Committee, University of Alabama-Birmingham	Reviewer
2017-Present	Truck and Bus Maintenance Proposal Review Committee, Virginia Tech Transportation Institute	Reviewer

### **3. Professional Organizations (state and/or national)**

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1987-Present	American Statistical Association	Member
1992-Present	International Biometric Society (ENAR)	Member
1993-2003	Drug Information Association	Member
1996	National Cancer Institute Grant Review Panel	Member
1996	National Institutes of Health General Clinical Research Center Site Visit Team	Member
1997	American Public Health Association	Member
2000-2006	Society for Clinical Trials	Member
2013-2015	Council of Chapters Governing Board, American Statistical Association	Vice Chair for District 4

## **B. Other Professional Service**

### **1. Referee Manuscripts/Journal Reviews**

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1991-2005	JASA	Reviewer
1992-1995	Am Journal of Public Health	Reviewer
1993-1994	Am Journal of Medicine	Reviewer
1993	The Anatomical Record	Reviewer
1994-2008	Statistics in Medicine	Reviewer
1995-2003	Biometrics	Reviewer
1995-1998	JOSPT	Reviewer
1995	Journal of AIDS	Reviewer
1996-2004	Am Journal of Psychiatry	Reviewer
1996-2003	Statistics in Medicine	Reviewer
1996-2002	Controlled Clinical Trials	Reviewer
1997	Journal of Statistical Planning & Inference	Reviewer
1998-2002	Regional Anesthesia and Pain Medicine	Reviewer
1998	Statistical Methods	Reviewer
1999-2006	Communications in Statistics	Reviewer
1999	Introduction to Biostatistics	Reviewer
2001	Bold Face Editors	Reviewer
2002-2012	Circulation	Reviewer
2003	JAMA	Reviewer
2004	Arteriosclerosis, Thrombosis, and Vascular Biology	Reviewer
2006-2009	Editorial Board, American Journal of Preventive Medicine	Member
2006	Computational Statistics and Data Analysis	Reviewer



<u>Year</u>	<u>Organization</u>	<u>Position</u>
2006	Statistical Papers	Reviewer
2007	Journal of Statistical Computing and Simulation	Reviewer
2007	The American Statistician	Reviewer
2009-2015	Driving Assessment Conference	Reviewer
2010-2016	Journal of the American Geriatric Society	Reviewer
2010	Circulation, Arrhythmia & Electrophysiology	Reviewer
2011	Psychology and Aging	Reviewer
2012-Present	Neurosurgery	Reviewer
2012-Present	Accident Analysis and Prevention	Reviewer
2012-2015	Journal of the Society for Clinical Trials	Reviewer
2015	Computers in Biology and Medicine	Reviewer
2015	Movement Disorders	Reviewer

## **2. Organize Conference, Paper Session, etc.**

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1997	Biopharmaceutical Section, Annual Joint Statistical Meetings, American Statistical Association	Session Chair
2005	Joint Statistical Meetings	Session Chair
2005	Statistical Issues in Driving Studies (Topic Contributed Session), Joint Statistical Meetings	Member
2006	International Biometric Society (ENAR) – Spring Meetings	Session Chair
2008	Hawaii International Conference on Statistics, Mathematics, and Related Fields	Session Chair

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2011	Joint Statistical Meetings	Session Chair
2014	Joint Statistical Meetings	Session Chair
2015	Joint Statistical Meetings	Session Chair

### 3. State Committees

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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### 4. National Committees

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1993-1995	Family Practice Research Development Fund Review Committee	Member
2004	Accredited Schools of Public Health, member of focus group on curriculum review for women's health	Member

### 5. Professionally Relevant Community Involvement

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2004-2013	Completed Youth Protection Training, Hawkeye Council of BSA	Participant
2004-2009	Iowa Department of Transportation	Several meetings with Iowa DOT officials to discuss strategies for improving driver safety
2004	Completed Youth Protection Training, Hawkeye Council of BSA	Participant
2008	Helping local high school student with epidemiological research project	Mentor
2008	Neighborhood liaison and host for local flood clean-up efforts	Organizer
2009-2015	Healing Hands for Haiti International	Public health outreach and teaching in orphanages and community centers in Haiti

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2015-Present	Humanitize Expeditions	Public health outreach and teaching in orphanages and community centers in Haiti

## 6. Professional Consulting

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1994	Miles Pharmaceutical, Berkeley, CA	Statistical Consultant
1996	Merck and Co., Rahway, NJ	Statistical Consultant
1999	Region VII Chlamydia Control Project	Statistical Consultant
2003	Adolescent Health & Resource Center, Iowa City, IA	Statistical Consultant
2004-2007	DMV International, Delhi, NY	Statistical Consultant
2006	Alzheimer's Disease Research Centers of California (USC, UC-Davis, & UCSF)	Statistical Consultant
2008-2015	Healing Hands for Haiti International Foundation, Port-Au-Prince, Haiti	Statistical Consultant & Translator
2011	Project Medishare for Haiti Port-au-Prince, Haiti	Logistics Consultant for Medical Warehouse

## 7. Other

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2003-2012	Data Safety and Monitoring Board member for stroke clinical trial	Member
2005-2010	Data Safety and Monitoring Board for dermatology clinical trial	Chair

## C. Departmental, Collegiate or University Service

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1991-1999	University of Iowa, Department of Preventive Medicine, PMEH Curriculum Committee	Member

<u>Year</u>	<u>Organization</u>	<u>Position</u>
1992	Biostatistics PhD Specialty Examination Committee	Chair
1993-1995	Family Practice Research Development Fund Review Committee	Member
1993-1994	University of Iowa, Biostatistics Seminars Committee	Chair
1993	Department of Biostatistics, University of Iowa, Biostatistics PhD Comprehensive Examination Standards Committee	Member
1995-1998	Department of Preventive Medicine, College of Medicine, University of Iowa, Biostatistics M.S. Exam Committee	Member
1996-2000	Department of Biostatistics, University of Iowa, Faculty Advisor, Biostatistics Student Association	
1996-1997	Department of Biostatistics, University of Iowa, Biostatistics Seminars Committee	Chair
1997-1998	Department of Biostatistics, University of Iowa, Biostatistics PhD Comprehensive Exam Committee	Member
1998-2005	Human Subjects Committee (Institutional Review Board)	Member
2001-2004	College of Public Health, University of Iowa, MPH Advisory Committee	Member
2001-2002	Department of Biostatistics, College of Public Health, University of Iowa, Biostatistics Seminars Committee	Chair
2002-Present	Department of Biostatistics, College of Public Health, University of Iowa, Admissions and Student Recruitment Committee	Member

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2002-2003	Department of Biostatistics, College of Public Health, University of Iowa, Biostatistics Masters Exam Committee	Chair
2004-2009	Department of Biostatistics, College of Public Health, University of Iowa, Departmental Curriculum Committee	Member
2005-2009	Biostatistics Administrative Committee	Member
2006-2009	Department of Biostatistics, College of Public Health, University of Iowa, Departmental Student Awards Committee	Chair
2006-2008	Departmental Self-Study Report Committee	Member
2006-2007	Department MPH Committee	Chair
2006-2007	Department of Biostatistics, College of Public Health, University of Iowa, Masters Examination Committee	Member
2006-2007	Department of Biostatistics, College of Public Health, University of Iowa, MPH Committee	Chair
2006	Review Committee for the Program in Public Health Genetics	Member
2007-2016	Department of Biostatistics, College of Public Health, University of Iowa, MS Examination Committee	Member
2007-2010	CPH Faculty Council	Member
2007-2010	Department of Biostatistics, College of Public Health, University of Iowa, Departmental MPH Committee	Chair
2007-2008	CPH Faculty Council	Co-Chair

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2008-2009	CPH Faculty Council	Chair
2009-2011	CPH Promotion and Tenure Committee	Chair
2010-Present	CPH Executive Committee	Member
2016-Present	CPH Undergraduate Public Health Methods Course Developers Group	Member
2016-Present	M.S. Core Exam Committee (January)	Chair
2016-Present	Student Awards Committee	Chair, 2016-2017