

## COLLEGE OF PUBLIC HEALTH CURRICULUM VITAE

Miriam Bridget Zimmerman

June 17, 2017

### I. EDUCATIONAL AND PROFESSIONAL HISTORY

#### A. Education (least to most recent)

<u>Institution</u>	<u>Dates Attended</u>	<u>Field of Study</u>	<u>Degree Obtained</u>	<u>Date</u>
University of the Philippines at Los Banos	1975-78	Statistics	B.S.	1978
University of the Philippines at Los Banos	1979-81	Statistics	M.S.	1982
Iowa State University	1982-84	Statistics	M.S.	1984
Iowa State University	1984-87	Statistics & Industrial Engineering	Ph.D.	1987

#### B. Professional and Academic Positions

<u>Position</u>	<u>Dates of Service</u>	<u>Location/Institution</u>
Programmer	1978-79	Policy and Technical Group, University of the Philippines at Los Banos, Laguna, Philippines
Instructor	1979-81	Department of Statistics, University of the Philippines at Los Banos, Laguna, Philippines
Programmer	1980-81	Department of Agronomy, University of the Philippines at Los Banos, Laguna, Philippines
Teaching Assistant	1981-82	Department of Statistics, State University of New York at Buffalo
Research Assistant	1982-87	Department of Statistics Iowa State University
Visiting Assistant Professor	1987-88	Department of Statistics University of Iowa, Iowa City, IA

Assistant Research Scientist	1988-94	Department of Preventive Medicine, Division of Biostatistics, University of Iowa College of Medicine
Director, Biostatistics Consulting Center	1990-present	Department of Biostatistics, University of Iowa College of Public Health (established in 1999)
Associate Research Scientist	1995-2003	Department of Biostatistics, University of Iowa College of Public Health (established in 1999)
Adjunct Associate Professor	2003	Department of Biostatistics, University of Iowa College of Public Health
Associate Professor (Clinical)	2003-2008	Department of Biostatistics, University of Iowa College of Public Health
Professor (Clinical)	2008-present	Department of Biostatistics, University of Iowa College of Public Health
Associate Director of the ICTS Biostatistics Core	2009-present	Institute for Clinical and Translational Science at The University of Iowa

**C. Honors, Awards, Recognitions, Outstanding Achievements**  
(least to most recent)

<u>Year</u>	<u>Title</u>
1978	Cum Laude, B.S., University of the Philippines at Los Banos
1984	Mu Sigma Rho, Statistics Honor Society, Iowa Alpha Chapter (Iowa State University)

## II. TEACHING AT THE UNIVERSITY OF IOWA

### A. Teaching Assignments on semester-by-semester basis (least to most recent) (classroom, seminar, teaching lab)

<u>Semester,</u> <u>Year</u>	<u>Course Title/</u> <u>Number</u>	<u>Semester</u> <u>Hours</u>	<u>#</u> <u>Students</u>	<u>Role</u>	<u>Percent</u> <u>Responsible</u>
Fall 1987	22S:120 Probability and Statistics	3 s.h.	~15-20	Instructor	100%
Fall 1987	22S:39 Probability and Statistics for Engineering and Physical Sciences	3 s.h.	~15-20	Instructor	100%
Spring 1988	22S:120 Probability and Statistics	3 s.h.	~15-20	Instructor	100%
Spring 1988	22S:39 Probability and Statistics for Engineering and Physical Sciences	3 s.h.	~15-20	Instructor	100%
Spring 2005	171:282 Biostat Consulting	1 s.h.	3	Instructor	100%
Spring 2006	171:282 Biostat Consulting	1 s.h.	4	Instructor	100%

### B. Students Advised

#### *Dissertations/Thesis*

<u>Name</u>	<u>Degree Objective</u>	<u>Role</u>	<u>Outcome</u>
Ghalib Adel Abbasi	MS (Pharmacy)	Committee Member	Completed 2002
Dan Anton	PhD (Physical Therapy )	Committee Member	Completed 2002
Matthew Dickson	PhD (Interdisciplinary Genetics Program )	Committee Member	Completed 2008
Kari Harlan	PhD (Epidemiology)	Committee Member	Completed 2010
Gayle Reardon	MS (Stomatology)	Committee Member	Completed 2010
Jennifer Hauser	PhD (Community and Behavioral Health)	Committee Member	Not completed 2008-2009
Megan Liu	PhD (Nursing)	Committee Member	Completed 2011
Erin Reynolds	PhD (Epidemiology)	Committee Member	Completed 2012
Tao Zhang	PhD (Biostatistics)	Committee Member	Completed 2013
Nicole P. Blodgett	PhD (Nursing)	Committee Member	Completed 2014
Georgina Moreno	PhD (Neuroscience)	Committee Member	Completed 2015

Nicholas Cooper	PhD (Physical Therapy)	Committee Member	Completed 2017
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**C. Other Advising/Mentoring**

**Clinical Teaching (precepting, teaching rounds, etc.)**

Supervise and train 3 to 5 50% FTE Graduate Research Assistants each year appointed to the Biostatistics Consulting Center in biostatistical collaboration.

*Graduate Students trained/supervised in the Biostatistics Consulting Center*

<u>Name</u>	<u>Degree</u>	<u>Year/s trained/supervised*</u>
Chi Kao	PhD	1990-91
Linda Rubenstein	PhD	1990-92
Michael Carpin	MS	1992-93
Ta-Ching Gary Jeng	PhD	1992-93
Cynthia Long	PhD	1992-94
Taekyu Hwang	PhD	1993-95
Rema Raman	MS	1994-96
Shenhui Tang	MS/PhD	1994-95
Suzanne Bentler	MS	1994-96
Joyce Quella	MS	1995-96
Leslie Ain	MS	1995-96
Jeffrey Allen	MS/PhD	1996-98
Farideh Dehkordi	PhD	1997-98
Sheela Kolluri	PhD	1997-98
Wenquan Wang	MS/PhD	1998-99
Bongin Yoo	PhD	1998-99
Deli Wang	MS/PhD	1999-2000
Ye Tan	MS	2000-01
Wei Zhang	MS/PhD	2000-01
Taikyoung Kim	MS	2002-03
Suhong Zhang	MS	2002-03
Lixian Sun	MS	2002-03
Emine Bayman	MS/PhD	2003-04
Wei Qiao	MS	2003-04
Jie Zhang	MS	2003-04
Mei Huang	MS	2003-05
Jihey Lee	MS	2004
Yu-hui Huang	MS	2004-06
Yingwei Qi	MS	2004-06
Nan Wang	MS	2005-06
Zhiwei Wang	MS	2005-07
Shanshan Zhao	MS	2005-06
Junting Zheng	MS	2006-07
Qian Wang	MS	2006-07
Jingyang Zhang	MS	2006-07

Diqiong Xie	MS/PhD	2006-2011
Zhiguo Zheng	PhD	2007-2008
Rachel Fonstad	MS	2007-2008
Shishao Shen	MS student	2007-2008
Angela Meisterling	MS	2008
Tao Zhang	MS/PhD	2008-2013
Rachel Miller	MS	2008-2009
Skyler Johnson	MS	2008-2010
Chelsea Caspell	MS	2009-2010
Vera Rayevskaya	MS	2010
Ke Liu	MS/PhD	2010-2011, 2013-2015
Jose Alvarado	MS Student	2010-11
Lizette Ortega	PhD Student	2012-13
Carmen Smith	PhD Student	2013-14
Biyue Dai	MS Student	2014
Monelle Tamegnon	PhD Student	2015
Kimberly Wooge	MS	2014-2015
Elizabeth Bair	MS Student	2015-2016
Anthony Rhoades	MS	2016
Cody Hansen	MS	2017
Evan Walser-Kuntz	MS Student	2017

\*Years trained may be approximate time period

Train fellows, residents, and medical faculty in biostatistics research methods on a one-to-one basis through interactions in the Biostatistics Consulting Center.

Assist and train medical faculty on writing statistical sections for grants.

Supervised preceptorship project of Wei Qiao (Modeling the changes in erythrocyte sedimentation rate (ESR) during the course of steroid therapy in Giant Cell Arteritis patients), Spring 2004.

Mentored Gideon Zamba, visiting assistant professor, in the practice of providing professional biostatistical consulting (2003-2004)

Presented lecture on sample size for 173:210 Writing a Research Protocol –October 2004; September 2005; June 2006; October 2006; June 2007; September 2007; June 2008; September 2009

Supervisor for preceptorship project for Mei Huang, Spring 2005.  
MPH practicum Committee member for Aditya Bardia, Spring 2005.

Supervisor for preceptorship project for Yu-Hui Huang, Nan Wang, and Yingwei Qi, Spring 2006.

Consultation session with students on sample size/design for Epidemiology class

(173:210/211 Writing a Research Protocol) – October 2010, October 2011, October 2012, October 2013, October 2014

Guest lecture for 173:240 Epidemiology II: Advanced Methods – February 2012, February 2013

Consultation session with students on sample size/design for Epidemiology class (173:210/211 Writing a Research Protocol) – October 2016, March 2017

Guest lecture Comparative Effectiveness and Patient-Centered Outcomes Research: Webinar Course No. BE-8025 -- Methods for Preventing and Handling Missing Data, Nov 2016

Guest lecture Medical Student Research Skills Seminar MED 8074 – Study Design Considerations, Nov 2016

#### **D. Other Contributions to Institutional Programs**

*Institutional Conferences, Grand Rounds, Journal Club*

<u>Date</u>	<u>Title</u>	<u>Location</u>
June 2007	Sample Size in Study Design: Examples in Allergy and Immunology	Allergy and Immunology Grand Rounds (GH)
April 2009	Using SAS Proc Power	UI SAS Users Group
July 2009	Intro to SAS Programming	UI SAS Summer Institute
Aug 2010	Intro to SAS Programming	UI SAS Boot Camp
Aug 2011	Sample Size/Power using SAS	UI SAS Users Group
Nov 2011	Statistical Analysis and Sample Size: The Basics	UI Basic Sciences Postdoc Career Enhancement group
Aug 2013	Sample Size/Power using SAS	UI SAS Users Group
April 2015	Statistical Power and Sample Size Calculations	UI Basic Sciences Post-doctoral Career Enhancement group
Mar 2016	Enhancing the Reproducibility of PreClinical Science through Better Research Design and Reporting	ICTS Biostatistics Core 3-part lecture series
Feb 2017	Sample Size and Power	Ophthalmology Grand Rounds
Feb 2017	Statistical Analysis: The Basics	Ophthalmology Grand Rounds

### **III. SCHOLARSHIP**

#### **A. Publications or Creative Works (least to most recent)**

*Peer-Reviewed Papers*

1. Sposito VA, Tirol (Zimmerman) MB. Computational Aspects of the Two-Way Classification Model Under  $L_1$ . Computational Statistics Quarterly, 4:289-298, 1989.
2. Zimmerman DL, Zimmerman MB. A Monte Carlo comparison of spatial semivariogram estimators and corresponding ordinary kriging predictors. Technometrics, 33:77-91, 1991.
3. Brown WK, Zimmerman B, Jenkins RL, Rhodes WA. Recognizing delinquents who may need special help to avoid criminal conviction in adult life. Juvenile and Family Court Journal, 24(4):35-40, 1991.
4. Pe'er J, Folberg R, Massicotte SJ, Baron J, Parys-Van Ginderdeuren R, Zimmerman B, Meyer ML, Worsey H. Clinicopathologic spectrum of primary uveal melanocytic lesions in an animal model. Ophthalmology 99(6):977-986, 1992. PMID: 1630787
5. Hayreh SS, Zimmerman MB, Podhajsky P. Seasonal variation in the onset of retinal vein occlusion. British Journal of Ophthalmology, 76(12):706-710, 1992. PMID: 1486069
6. Smith RJ, Zimmerman B, Connolly PK, Jerger SW, Yelich A. Screening audiometry using the high risk register in a level III nursery. Archives of Otolaryngology Head Neck Surgery, 118:1306-1311, 1992. PMID: 1449689
7. .
8. Pulido JS, Shires TK, Flynn HW Jr, Zimmerman MB, Folk JC, Scott MH. Intravitreal aminoglycoside toxicity revisited. Archives of Ophthalmology 110(12):1683-1685, 1992. PMID: 1463399
9. Tomanek RJ, Butters CA, Zimmerman MB. Initiation of cardiac hypertrophy in response to thyroxine is not limited by age. American Journal of Physiology 264 (Heart Circulation Physiology 33), H1041-H1047, 1993
10. Saag KG, Koehnke R, Caldwell JR, Brasington R, Burmeister LF, Zimmerman B, Kohler J, Furst DE. Low dose long-term corticosteroid therapy in rheumatoid arthritis: An analysis of serious adverse events. American Journal of Medicine 96:115-123, 1994. PMID: 8109596
11. Hayreh SS, Zimmerman MB, Podhajsky P. Incidence of various types of retinal vein occlusion and their recurrence and demographic characteristics. American Journal of Ophthalmology 117(4):429-441, 1994. PMID: 8154523
12. Hayreh SS, Zimmerman MB, Podhajsky P. Nocturnal arterial hypotension and its role in optic nerve head and ocular ischemic disorders. American Journal of Ophthalmology 117(5):603-624, 1994. PMID: 8172267
13. Laurenzo JF, Canady JW, Zimmerman MB, Smith RJH. The effects of midfacial surgical trauma and rigid plate fixation on cranio facial growth in rabbits. Archives of Otolaryngology - Head Neck Surgery 121(5):556-561, 1995.
14. Pinkston DR, Schubkegel AJ, Zimmerman MB, Smith RJH. The effects of sinus surgery on midfacial growth in the rabbit. American Journal of Rhinology 9:115-124, 1995.

15. Noyes R, Woodman CL, Holt CS, Reich JH, Zimmerman MB. Avoidant personality traits distinguish social phobic and panic disorder subjects. Journal of Nervous and Mental Disease 183:145-153, 1995. PMID: 7891060
16. Canady, JW, Wayne I, Fellows DR, Zimmerman MB, Lorenzo JF, Thompson SA. Craniofacial growth in rabbits after rigid or semi-rigid fixation of the frontonasal suture. Plastic and Reconstructive Surgery 98(3):410-417, 1996. PMID: 8700974
17. Dyken ME, Somers VK, Yamada T, Zimmerman MB. Investigating the relationship between stroke and obstructive sleep apnea. Stroke 27(3):401-407, 1996. PMID: 8610303
18. Tobacman JK, Lee P, Zimmerman B, Kolder H, Hilborne L, Brook R. Assessment of appropriateness of cataract surgery at ten academic medical centers in 1990. Ophthalmology 103(2):207-215, 1996. PMID: 8594503
19. Mathers WD, Lane JA, Sutphin JE, Zimmerman MB. Model for ocular tear film function. Cornea 15(2):110-119, 1996. PMID: 8925657
20. Mathers WD, Lane JA, Zimmerman MB. Tear film changes associated with normal aging. Cornea 15(3):229-234, 1996. PMID: 8713923
21. Culp K, Flanigan M, Lowrie EG, Lew N, Zimmerman B. Modeling mortality risk in hemodialysis patients using laboratory values as time-dependent covariates. American Journal of Kidney Diseases 28(5):741-746, 1996. PMID: 9158214
22. Hayreh SS, Podhajsky PA, Raman R, Zimmerman B. Giant cell arteritis: validity and reliability of various diagnostic criteria. American Journal of Ophthalmology 123(3):285-296, 1997. PMID: 9063237
23. Soffer EE, Adrian TE, Launspach J, Zimmerman B. Meal-induced secretion of gastrointestinal regulatory peptides is not affected by sleep. Neurogastroenterology and Motility 9(1):7-12, 1997.
24. Carlson DW, Alward WLM, Barad JP, Zimmerman MB, Carney BL. A randomized study of Mitomycin augmentation in combined phacoemulsification and trabeculectomy. Ophthalmology 104(4):719-724, 1997.
25. Mathers WD, Lane JA, Zimmerman MB. Assessment of the tear film with tandem scanning confocal microscopy. Cornea 16(2):162-168, 1997. PMID: 9071529
26. Hayreh SS, Podhajsky PA, Zimmerman B. Nonarteritic anterior ischemic neuropathy-Time of onset of visual loss. American Journal of Ophthalmology 124(5):641-647, 1997. PMID: 9372718
27. Vandeborne P, Montano N, Zimmerman B, Pagani M, Somers VK. Relationship between repeated measures of hemodynamics, muscle sympathetic nerve activity, and their spectral oscillations. Circulation 96(12):4326-4332, 1997.
28. Rao SSC, Welcher K, Zimmerman B, Stumbo P. Is coffee a colonic stimulant. European Journal of Gastroenterology & Hepatology 10(2):113-118, 1998. Funk GF, Hoffman HT, Karnell LH, Ricks JM, Zimmerman MB, Corbae DP, Hussey DH, McCulloch TM, Graham SM, Dawson CJ, Means ME, Colwill ML, Titler MG, Smith EM. Cost-identification analysis in oral cavity cancer management. Otolaryngology-Head & Neck Surgery 118(2):211-220, 1998. PMID: 9482555

29. Hayreh SS, Podhajsky PA, Zimmerman B. Ocular manifestations of giant cell arteritis. American Journal of Ophthalmology 125(4):509-520, 1998. PMID: 9559737
30. Hayreh SS, Podhajsky PA, Zimmerman B. Occult giant cell arteritis: ocular manifestations. American Journal of Ophthalmology 125(4):521-526, 1998. PMID: 9559738
31. Tomanek RJ, Zimmerman MB, Suvarna PR, Morkin E, Pennock GD, Goldman S. A thyroid hormone analog stimulates angiogenesis in the post-infarcted rat heart. Journal of Molecular and Cellular Cardiology 30:923-932, 1998.
32. Murph JR, Souza IE, Dawson JD, Benson P, Petheram SJ, Pfab D, Gregg A, O'Neill ME, Zimmerman B, Bale JF. Epidemiology of congenital cytomegalovirus infection: maternal risk factors and molecular analysis of cytomegalovirus strains. American Journal of Epidemiology 147:940-947, 1998. PMID: 9596472
33. Mathers WD, Stovall D, Lane JA, Zimmerman MB, Johnson S. Menopause and tear function: The influence of prolactin and sex hormones on human tear production. Cornea 17(4):353-358, 1998. PMID: 9676904
34. Tobacman JK, Zimmerman B, Lee P, Hilborne L, Kolder H, Brook RH. Visual function impairments in relation to gender, age, and visual acuity in patients who undergo cataract surgery. Ophthalmology 105(9):1745-1750, 1998. PMID: 9754186
35. Hayreh SS, Jonas JB, Zimmerman MB. Parapapillary chorioretinal atrophy in chronic high-pressure experimental glaucoma in rhesus monkeys. Investigative Ophthalmology & Visual Science 39(12):2296-2303, 1998. PMID: 9804138
36. Bale JF, Zimmerman B, Dawson JD, Souza IE, Petheram SJ, Murph JR. Cytomegalovirus transmission in child care homes. Archives of Pediatrics & Adolescent Medicine 153(1):75-79, 1999. PMID: 9895003
37. Hayreh SS, Pe'er J, Zimmerman MB. Morphologic changes in chronic high-pressure experimental glaucoma in rhesus monkeys. Journal of Glaucoma 8(1):56-71, 1999. PMID: 10084276
38. Hayreh SS, Podhajsky P, Zimmerman MB. Role of nocturnal arterial hypotension in optic nerve head ischemic disorders. Ophthalmologica 213(2):76-96, 1999. PMID: 9885384
39. Hayreh SS, Podhasky P, Zimmerman MB. Beta-blocker eyedrops and nocturnal arterial hypertension. American Journal of Ophthalmology 128(3):301-309, 1999.
40. Hayreh SS, Podhajsky P, Zimmerman MB. Ocular and optic nerve head ischemic disorders and hearing loss. American Journal of Ophthalmology 128(5):606-611, 1999. PMID: 10577529
41. Tobacman JK, Scott IU, Cyphert S, Zimmerman B. Reproducibility of measures of overuse of cataract surgery by three physician panels. Medical Care 37(9):937-945, 1999. PMID: 10493471
42. Herwaldt L, Scholz D, Zimmerman B, Pfaller MA, Perl TM, Cullen JJ. The economic impact of surgical site infections: A prospective study of outcomes, health care utilization, and hospital costs. Surgical Forum L:680-681, 1999.
43. Arnold DJ, Funk GF, Karnell LH, Chen AH, Hoffman HT, Ricks JM, Zimmerman MB, Corbae DP, Zhen W, McCulloch TM, Graham SM. Laryngeal cancer cost analysis:

- Association of case-mix and treatment characteristics with medical charges. Layngoscope 110(1):1-7, 2000. PMID: 10646706
44. Trigg ME, Peters C, Zimmerman MB. Administration of recombinant human granulocyte-macrophage colony-stimulating factor to children undergoing allogenic marrow transplantation: A prospective, randomized, double-masked placebo-controlled trial. Pediatric Transplantation 4:123-131, 2000.
  45. Lin JC. Strauss RG. Kulhavy JC. Johnson KJ. Zimmerman MB. Cress GA. Connolly NW. Widness JA. Phlebotomy overdraw in the neonatal intensive care nursery. Pediatrics 106(2):NIL27-NIL32, 2000. PMID: 10920175
  46. Lutgendorf SK, Kreder KJ, Rothrock NE, Ratliff TL, Zimmerman B. Stress and symptomatology in patients with interstitial cystitis: A laboratory stress model. Journal of Urology 164:1265-1269, 2000. PMID: 10992377
  47. Kwon YH, Taylor JM, Sungpyo H, Honhaken RA, Zimmerman MB, Alward WLM, Sutphin JE. Long-term results of eyes with penetrating keratoplasty and glaucoma drainage tube implant. Ophthalmology 108:272-278, 2001.
  48. Hayreh SS, Zimmerman B, McCarthy MJ, Podhajsky P. Systemic diseases associated with various types of retinal vein occlusion. American Journal of Ophthalmology 131(1):61-77, 2001. PMID: 11162981
  49. Jogerst G, Daly J, Zimmerman MB. Physician use of and attitudes regarding the minimum data set. Journal of the American Medical Directors Association 2:4-9, 2001. PMID: 12812598
  50. Rothrock NE, Lutgendorf SK, Kreder KJ, Ratliff T, Zimmerman B. Stress and symptoms in patients with interstitial cystitis: A life stress model. Urology 57(3):422-427, 2001. PMID: 11248609
  51. Rothrock NE, Lutgendorf SK, Kreder KJ, Ratliff TL, Zimmerman B. Daily stress and symptom exacerbation in interstitial cystitis patients. Urology 57(6 Suppl 1):122, 2001. PMID: 11378108
  52. Tobacman JK, Wallace RB, Zimmerman MB. Consumption of carrageenan and other water-soluble polymers used as food additives and incidence of mammary carcinoma. Medical Hypotheses 56(5):589-598, 2001. PMID: 11388773
  53. Hunninghake GW, Zimmerman MB, Schwartz DA, King TE, Lynch J, Hegele R, Waldron J, Colby T, Muller N, Lynch D, Galvin J, Gross B, Hogg J, Toews G, Helmers R, Cooper JAD, Baughman R, Strange C, Millard M. Utility of a lung biopsy for the diagnosis of idiopathic pulmonary fibrosis. American Journal of Respiratory and Critical Care Medicine 164(2):193-196, 2001. PMID: 11463586
  54. Kwon YH, Kim CS, Zimmerman MB, Alward WLM, Hayreh SS. Rate of visual field loss and long term visual outcome in primary open-angle glaucoma. American Journal of Ophthalmology 132:47-56, 2001.
  55. Hayreh SS, Podhajsky PA, Zimmerman B. Ipsilateral recurrence of nonarteritic ischemic optic neuropathy. American Journal of Ophthalmology 132(5):734-742, 2001. PMID: 11704035
  56. Tobacman JK. Scott IU. Cyphert ST. Zimmerman MB. Comparison of appropriateness ratings for cataract surgery between convened and mail-only

- multidisciplinary panels. Medical Decision Making 21(6):490-497, 2001. PMID: 11760106
57. Lutgendorf SK, Kreder KJ, Rothrock NE, Hoffman A, Kirschbaum C, Sternberg EM, Zimmerman MB, Ratliff TL. Diurnal cortisol variations and symptoms in patients with interstitial cystitis. Journal of Urology 167(3):1338-1343, 2002. PMID: 11832727
  58. Petersen LA, Lindner DS, Kleiber CM, Zimmerman, MB, Hinton AT, Yankowitz J. Factors that predict low hematocrit levels in the postpartum patient after vaginal delivery. Journal of Obstetrics & Gynecology 186(4):737-744, 2002.
  59. Perl TM, Cullen JJ, Wenzel RP, Zimmerman MB, Pfaller MA, Sheppard D, Twombly J, French PP, Herwaldt LA. Intranasal mupirocin to prevent postoperative staphylococcus aureus infections. New England Journal of Medicine 346(24):1871-1877, 2002. PMID: 12063371
  60. Hayreh SS, Zimmerman MB, Podhajsky P. Hematologic abnormalities associated with various types of retinal vein occlusion. Graefes Archive for Clinical & Experimental Ophthalmology 240(3):180-96, 2002. PMID: 11935275
  61. Hayreh SS, Zimmerman B, Kardon RH. Visual improvement with corticosteroid therapy in giant cell arteritis. Report of a large study and review of literature. Acta Ophthalmologica Scandinavica 80:353-367, 2002. PMID: 12190776
  62. Zhang Y, Clark CB, Davies LR, Karlsson G, Zimmerman MB, Kerber KE. Body weight is a predictor of biphasic shock success for low energy transthoracic defibrillation. Resuscitation 54:281-287, 2002.
  63. Alward WLM, Kwon YH, Khanna CL, Johnson AT, Hayreh SS, Zimmerman MB, Narkiewicz J, Andorf JL, Moore PA, Fingert JH, Sheffield VC, Stone EM. Variations in the myocilin gene in patients with open-angle glaucoma. Archives of Ophthalmology 120(9):1189-1197, 2002.
  64. Kayali Z, Buckwold VE, Zimmerman B, Schmidt WN. Hepatitis C, cryoglobulinemia, and cirrhosis: A meta-analysis. Hepatology. 36(4 Part 1):978-985, 2002. PMID: 12297847
  65. Graul TA, Kwon YH, Zimmerman MB, Kim CS, Sheffield VC, Stone EM, Alward WLM. A case-control comparison of the clinical characteristics of glaucoma and ocular hypertensive patients with and without the myocilin Gln368Stop mutation. American Journal of Ophthalmology 134:884-890. 2002. PMID: 12470758
  66. Pereira MLM, Kim CS, Zimmerman MB, Alward WLM, Hayreh SS, Kwon YH. Rate and pattern of visual field decline in primary open-angle glaucoma. Ophthalmology 109(12):2232-2240, 2002.
  67. Bergamin O, Zimmerman MB, Kardon RH. Pupil light reflex in normal and diseased eyes - Diagnosis of visual dysfunction using waveform partitioning. Ophthalmology. 110(1):106-114, 2003. PMID: 12511354
  68. Herwaldt LA, Swartzendruber SK, Zimmerman MB, Scholz DA, Franklin JA, Caldarone CA. Hemorrhage after coronary artery bypass graft procedures. Infection Control and Hospital Epidemiology 24(1):44-50, 2003. PMID: 12558235

69. Tobacman JK, Whitaker D, Zimmerman B. Inverse relationship between density of cutaneous hair and pigmented lesion count in patients with malignant melanoma. Melanoma Research 13(1):23-27, 2003. PMID: 12569281
70. Honkanen RA, Baruah S, Zimmerman MB, Khanna CL, Weaver YK, Narkiewicz J, Waziri R, Gehrs KM, Weingeist TA, Boldt HC, Folk JC, Russell SR, Kwon YH. Vitreous amino acid concentrations in patients with glaucoma undergoing vitrectomy. Archives of Ophthalmology. 121(2):183-188, 2003. PMID: 12583783
71. Tobacman JK, Zimmerman B, Lee P, Hilborne L, Kolder H, Brrok RH. Visual acuity following cataract surgeries in relation to preoperative appropriateness ratings. Medical Decision Making 23(2):122-130, 2003. PMID: 12693874
72. Zhang Y, Davies LR, Coddington WJ, Zimmerman MB, Wuthrich S, Jones JL, Kerber RE. Open-chest epicardial "surgical" defibrillation: Biphasic versus monophasic wave-form shocks. Pacing and Clinical Electrophysiology 26(3):711-718, 2003. PMID: 12698671
73. Hayreh SS, Zimmerman B. Management of giant cell arteritis: Our 27-Year Clinical Study: New Light on Old Controversies. Ophthalmologica 217:239-259, 2003. PMID: 12792130
74. Hayreh SS, Zimmerman B. Visual deterioration in giant cell arteritis patients while on high doses of corticosteroid therapy. Ophthalmology 110:1204-1215, 2003. PMID: 12799248
75. Brown KE, Khan CM, Zimmerman MB, Brunt EM. Hepatic iron overload in blacks and whites: a comparative autopsy study. American Journal of Gastroenterology 98(7):1594-1598, 2003. PMID: 12873584
76. Dyken ME, Lin-Dyken DC, Poulton S, Zimmerman MB. Prospective polysomnographic analysis of obstructive sleep apnea in Down syndrome. Archives of Pediatrics & Adolescent Medicine 157(7):655-660, 2003. PMID: 12860786
77. Zhang Y, Ramabadran RS, Boddicker KA, Bawaney I, Davies LR, Zimmerman MB, Wuthrich S, Jones JL, Kerber RE. Triphasic waveforms are superior to biphasic waveforms for transthoracic defibrillation. Journal of the American College of Cardiology 42(3):568-575, 2003. PMID: 12906990
78. Rao SSC, Mudipalli RS, Mujica VR, Patel RS, Zimmerman B. Effects of gender and age on esophageal biomechanical properties and sensation. American Journal of Gastroenterology 98(8):1688-1695, 2003.
79. Kwon YH, Kim YI, Pereira ML, Montague PR, Zimmerman MB, Alward WL. Rate of optic disc cup progression in treated primary open-angle glaucoma. Journal of Glaucoma 12(5):409-416, 2003. PMID: 14520149
80. Hayreh SS, Zimmerman MB, Beri M, Podhajsky P. Intraocular pressure abnormalities associated with central and hemicentral retinal vein occlusion. Ophthalmology 111(1):133-141, 2004. PMID: 14711725
81. Hayreh SS, Zimmerman MB, Kimura A, Sanon A. Central retinal artery occlusion. Retinal survival time. Experimental Eye Research 78(3):723-736, 2004. PMID: 15106952

82. Snetselaar L, Stumbo P, Chenard C, Ahrens L, Smith K, Zimmerman B. Adolescents eating diets rich in either lean beef or lean poultry and fish reduced fat and saturated fat intake and those eating beef maintained serum ferritin status. Journal of the American Dietetic Association 104(3):424-428, 2004. PMID: 14993866
83. Lowe MP, Zimmerman B, Hansen W. Prospective randomized controlled trial of fetal fibronectin on preterm labor management in a tertiary care center. American Journal of Obstetrics and Gynecology 190(2): 358-362, 2004. PMID: 14981374
84. Voigt MD, Zimmerman B, Katz DA, Rayhill SC. New National Liver Transplant Allocation Policy: Is the Regional Review Board process fair? Liver Transplantation 10(5):666-674, 2004. PMID: 15108259
85. Lichtor JL, Lane BS, Zimmerman MB. Residual sleepiness after N2O sedation: a randomized control trial. BMC Anesthesiology 4(1):5, 2004. PMID: 15140266
86. Knecht S, Estin M, Callaghan JJ, Zimmerman MB, Alliman KJ, Alvine FG, Saltzman CL. The agility total ankle arthroplasty - Seven to sixteen-year follow-up. Journal of Bone & Joint Surgery - American Vol. 86A(6):1161-1171, 2004. PMID: 15173288
87. Costello F, Zimmerman MB, Podhajsky PA, Hayreh SS. Role of thrombocytosis in diagnosis of giant cell arteritis and differentiation of arteritic from non-arteritic anterior ischemic optic neuropathy. European Journal of Ophthalmology. 14(3):245-257, 2004. PMID: 15206651
88. Tobacman JK, Kissinger P, Wells M, Prokuski J, Hoyer M, McPherson P, Wheeler J, Kron-Chalupa J, Parsons C, Weller P, Zimmerman B. Implementation of personal health records by case managers in a VAMC general medicine clinic. Patient Education & Counseling. 54(1):27-33, 2004. PMID: 15210257
89. Lutgendorf SK, Latini JM, Rothrock N, Zimmerman MB, Kreder KJ Jr. Autonomic response to stress in interstitial cystitis. Journal of Urology 172(1):227-231, 2004. PMID: 15201780
90. Hall M, Shurr DG, Zimmerman MB, Saltzman CL. Plantar foot surface temperatures with use of insoles. Iowa Orthopaedic Journal 24:72-75, 2004. PMID: 15296210
91. Rao SS, Mudipalli RS, Stessman M, Zimmerman B. Investigation of the utility of colorectal function tests and Rome II criteria in dyssynergic defecation (Anismus). Neurogastroenterol Motility 16(5):589-96, 2004. PMID: 15500515
92. Saltzman CL, Zimmerman MB, Holdsworth RL, Beck S, Hartsell HD, Frantz RA. Effect of initial weight-bearing in a total contact cast on healing of diabetic foot ulcers. Journal of Bone and Joint Surgery 86A(12):2714-2719, 2004. PMID: 15590858
93. Hansen WF, McAndrew S, Harris K, Zimmerman MB. Metoclopramide Effect on Breastfeeding the Preterm Infant: A Randomized Trial. Obstetrics and Gynecology 105(2):383-389, 2005. PMID: 15684169
94. Zhang W, Mason EE, Renquist KE, Zimmerman MB. Factors influencing survival following surgical treatment of obesity. Obesity Surgery 15(1):43-50, 2005. PMID: 16013115

95. Latini JM, Zimmerman MB, Kreder KJ. Association between Valsalva and cough leak point pressures and pelvic organ prolapse quantification in women with stress incontinence. Journal of Urology. 173(4):1219-1222, 2005. PMID: 15758756
96. Kurtz KA, Hoffman HT, Zimmerman B, Robinson RA. Perineural and vascular invasion in oral cavity squamous carcinoma - Increased incidence on re-review of slides and by using immunohistochemical enhancement. Archives of Pathology & Laboratory Medicine 129(3):354-359, 2005.
97. Kwon YH, Rickman DW, Baruah S, Zimmerman MB, Kim CS, Boldt HC, Russell SR, Hayreh SS. Vitreous and retinal amino acid concentrations in experimental central retinal artery occlusion in the primate. Eye 19(4):455-463, 2005. PMID: 15184939
98. Widness JA, Madan A, Grindeanu L, Zimmerman MB, Wong D, Stevenson DK. Reduction in RBC Transfusions Among Preterm Infants: Results of a Randomized Trial Utilizing an In-Line Blood Gas and Chemistry Monitor. Pediatrics 115(5): 1299-1306, 2005. PMID: 15867038
99. Bell EF, Strauss RG, Widness JA, Mahoney LT, Mock DM, Seward VJ, Cress GA, Johnson KJ, Kromer IJ, Zimmerman MB. Randomized trial of liberal versus restrictive guidelines for red blood cell transfusion in preterm infants. Pediatrics 115(6):1685-1691, 2005. PMID: 15930233
100. Saltzman CL, Hagy ML, Zimmerman B, Estin M, Cooper R. How effective is intensive nonoperative initial treatment of patients with diabetes and Charcot arthropathy of the feet? Clinical Orthopaedics & Related Research (435):185-190, 2005. PMID: 15930937
101. Ault KA, Allen HK, Phillips SL, Zimmerman MB, Klingelutz AJ. Telomerase activity as a potential diagnostic marker for triage of abnormal pap smears. Journal of Lower Genital Tract Disease 9(2):93-99, 2005. PMID: 15870530
102. Jones KB, Maiers-Yelden KA, Marsh JL, Zimmerman MB, Estin M, Saltzman CL. Ankle fractures in patients with diabetes mellitus. Journal of Bone & Joint Surgery - British Volume. 87B(4):489-495, 2005. PMID: 15795198
103. Boddicker KA, Zhang Y, Zimmerman MB, Davies LR, Kerber RE. Hypothermia improves defibrillation success and resuscitation outcomes from ventricular fibrillation. Circulation 111(24):3195-3201, 2005. PMID: 15956132
104. Lee A, Zimmerman MB. The rate of visual field loss in optic nerve head Drusen. American Journal of Ophthalmology 139(6):1062-1066, 2005. PMID: 15953437
105. Lott D, Zimmerman MB, Labbe RF, Kling PJ, Widness JA. Erythrocyte Zinc Protoporphyrin is elevated with prematurity and fetal hypoxia. Pediatrics 116:414-422, 2005. PMID: 16061597
106. Hayreh SS, Zimmerman B. Central retinal artery occlusion: Visual outcome. American Journal of Ophthalmology 140(3):376-391, 2005. PMID: 16138997
107. Hayreh SS, Zimmerman B. Visual field abnormalities in nonarteritic anterior ischemic optic neuropathy - Their pattern and prevalence at initial examination. Archives of Ophthalmology 123(11):1554-1562, 2005. PMID: 16286618
108. Kurtz KA, Hoffman HT, Zimmerman MB, Robinson RA. Decreased E-cadherin but not beta-catenin expression is associated with vascular invasion and decreased

- survival in head and neck squamous carcinomas. Otolaryngol Head Neck Surg 134(1):142-146, 2006. PMID: 16399195
109. Guerin LA, Hoffman HT, Zimmerman MB, Robinson RA. Decreased fragile histidine triad gene protein expression is associated with worse prognosis in oral squamous carcinoma. Arch Pathol Lab Med 130(2):158-64, 2006. PMID: 16454554
110. Abramoff MD, Kwon YH, Ts'o D, Soliz P, Zimmerman B, Pokomy J, Kardon R.. Visual stimulus-induced changes in human near-infrared fundus reflectance. Invest Ophthalmol Vis Sci 47(2):715-721, 2006.
111. Ernst ME, Carter BL, Goerdts CJ, Steffensmeier JJG, Phillips BB, Zimmerman MB, Bergus GR. Comparative antihypertensive effects of Hydrochlorothiazide and Chlorthalidone on ambulatory and office blood pressure. Hypertension 47:352-358, 2006. PMID: 16432050
112. Lee AG, Boldt HC, Golnik KC, Arnold AC, Oetting TA, Beaver HA, Olson RJ, Zimmerman MB, Carter K. Structured journal club as a tool to teach and assess resident competence in practice-based learning and improvement. Ophthalmology 113(3):497-500, 2006. PMID: 16458971
113. Zhang Y, Rhee B, Davies LR, Zimmerman MB, Snyder D, Jones JL, Kerber RE. Quadriphasic waveforms are superior to triphasic waveforms for transthoracic defibrillation in a cardiac arrest swine model with high impedance. Resuscitation 68(2):251-258, 2006. PMID: 16325983
114. McCarthy AM, Kelly MW, Johnson S, Roman J, Zimmerman MB. Changes in medication administered in schools. Journal School of Nursing 22(2):102-107, 2006. PMID: 16563033
115. Uc EY, Struck LK, Rodnitzky RL, Zimmerman B, Dobson J, Evans WJ. Predictors of weight loss in Parkinson's disease. Movement Disorder 21(7):930-936, 2006. PMID: 16534756
116. Payne JK, Piper B, Rabinowitz I, Zimmerman MB. Biomarkers, fatigue, sleep, and symptoms in women with breast cancer: A pilot study. Oncology Nursing Forum 33(4):775-783, 2006. PMID: 16858459
117. Quisling S, Sjoberg S, Zimmerman B, Goins K, Suthpin J. Comparison of Pentacam and Orbscan IIz on posterior curvature topography measurements in keratoconus eyes. Ophthalmology 113(9): 1629-32, 2006.
118. Rao SS, Summers RW, Rao GR, Ramana S, Devi U, Zimmerman B, Pratap BC. Oral rehydration for viral gastroenteritis in adults: a randomized, controlled trial of 3 solutions. Journal of Parenteral and Enteral Nutrition 30(5): 433-9, 2006. PMID: 16931613
119. Saltzman CL, Zimmerman MB, O'Rourke M, Brown TD, Buckwalter JA, Johnston R. Impact of comorbidities on the measurement of health in patients with ankle osteoarthritis. Journal of Bone and Joint Surgery American 88(11):2366-2372, 2006. PMID: 17079392
120. Lamale LM, Lutgendorf SK, Zimmerman MB, Kreder KJ. Interleukin-6, histamine, and methylhistamine as diagnostic markers for interstitial cystitis. Urology 68(4): 702-6, 2006. PMID: 17070335

121. Samuel I, Mason EE, Renquist KE, Huang YH, Zimmerman MB, Jamal M, Bariatric surgery trends: an 18-year report from the International Bariatric Surgery Registry. American Journal of Surgery 192(5): 657-62, 2006. PMID 17071202
122. Herwaldt LA, Cullen JJ, Scholz D, French P, Zimmerman MB, Pfaller MA, Wenzel RP, Perl TM. A prospective study of outcomes, healthcare resource utilization, and costs associated with postoperative nosocomial infections. Infection Control Hospital Epidemiology 27(12):1291-98, 2006. PMID: 17152025
123. Folk DE, Thrift DL, Zimmerman MB, Reimann PC. Mammalian activity-rest rhythms in Arctic continuous daylight. Biological Rhythm Research 37(6):455-69, 2006.
124. Dickson ME, Zimmerman MB, Rahmouni K, Sigmund CD. The -20 and -217 promoter variants dominate differential angiotensinogen haplotype regulation in angiotensinogen-expressing cells. Hypertension. 49(3):631-39. 2007. PMID: 17200439
125. Rao SS, Mudipalli RS, Remes-Troche JM, Utech CL, Zimmerman B. Theophylline improves esophageal chest pain – a randomized, placebo-controlled study. American Journal of Gastroenterology, 102(5):930-38, 2007. PMID: 17313494
126. Rao SS, Seaton K, Miller M, Brown K, Nygaard I, Stumbo P, Zimmerman B, Schulze K. Randomized controlled trial of biofeedback, sham feedback, and standard therapy for dyssynergic defecation. Clinical Gastroenterology and Hepatology 5(3):331-38, 2007. PMID: 17368232
127. Bradley CS, Zimmerman MB, Qi Y, Nygaard IE. Natural history of pelvic organ prolapse in postmenopausal women. Obstetrics and Gynecology, 109(4):848-854, 2007. PMID: 17400845
128. Hayreh SS, Jonas JB, Zimmerman MB. Nonarteritic anterior ischemic optic neuropathy and tobacco smoking. Ophthalmology, 114(4):804-809, 2007. PMID: 17398323
129. Shuba LM, Doan AP, Maley MK, Zimmerman MB, Dinn RB, Greenlee EC, Alward WL, Kwon YH. Diurnal fluctuation and concordance of intraocular pressure in glaucoma suspects and normal tension glaucoma patients. Journal of Glaucoma, 16(3):307-312, 2007. PMID: 17438425
130. Hayreh SS, Zimmerman MB. Fundus changes in central retinal artery occlusion. Retina, 27(3):276-289, 2007. PMID: 17460582
131. Dinn RB, Zimmerman MB, Shuba LM, Doan AP, Maley MK, Greenlee EC, Alward WL, Kwon YH. Concordance of diurnal intraocular pressure between fellow eyes in primary open-angle glaucoma. Ophthalmology, 114(5): 915-920, 2007. PMID: 17467528
132. Bardia A, Nisly NL, Zimmerman MB, Gryzlak BM, Wallace RB. Use of herbs among adults based on evidence-based indications: findings from the national health interview survey. Mayo Clinic Proceedings, 82(5): 561-566, 2007. PMID: 17493422
133. Gryzlak BM, Wallace RB, Zimmerman MB, Nisly NL. National surveillance of herbal dietary supplement exposures: the poison control center experience. Pharmacoepidemiology Drug Safety, 16(9):947-957, 2007. PMID: 17613175

134. Wagoner MD, Al-Swailem SA, Sutphin JE, Zimmerman MB. Bacterial keratitis after penetrating keratoplasty incidence, microbiological profile, graft survival, and visual outcome. Ophthalmology, 114 (6):1073-1079, 2007. PMID: 17275089
135. Dornfeld K, Simmons JR, Karnell L, Karnell M, Funk G, Yao M, Wacha J, Zimmerman B, Buatti JM. Radiation doses to structures within and adjacent to the larynx are correlated with long-term diet- and speech-related quality of life. International Journal of Radiation Oncology, Biology, and Physics, 68(3):750-757, 2007. PMID: 17418971
136. Hayreh SS, Zimmerman, MB. Optic disc edema in non-arteritic anterior ischemic optic neuropathy. Graefe's. Archive for Clinical and Experimental Ophthalmology 245 (8): 1107-1121, 2007.
137. Hayreh SS, Zimmerman MB. Incipient nonarteritic anterior ischemic optic neuropathy. Ophthalmology, 114(9):1763-1772, 2007. PMID: 17391767
138. Wagoner MD, Ba-Abbad R, Sutphin JE, Zimmerman MB. Corneal transplant survival after onset of severe endothelial rejection. Ophthalmology, 114 (9):1630-1636, 2007. PMID: 17367863
139. Rao SS, Seaton K, Miller MJ, Schulze K, Brown CK, Paulson J, Zimmerman B. Psychological profiles and quality of life differ between patients with dyssynergia and those with slow transit constipation. Journal of Psychosomatic Research 63(4):441-449, 2007. PMID: 17905054
140. Hayreh SS, Zimmerman MB. Nonarteritic anterior ischemic optic neuropathy natural history of visual outcome. Ophthalmology, 115(2):298-305, 2008. PMID: 17698200
141. Choi YK, Kraft N, Zimmerman B, Jackson M, Rao SS. Fructose Intolerance in IBS and Utility of Fructose-Restricted Diet. Journal of Clinical Gastroenterology, 42(3):233-238 2008. PMID: 18223504
142. Gerdner LA, Hart LK, Zimmerman MB. Craniosacral still point technique: exploring its effects in individuals with dementia. Journal Gerontological Nursing 34(3):36-45 2008. PMID: 18350746
143. Strauss RG, Mock DM, Johnson KJ, Cress GA, Burmeister LF, Zimmerman MB, Bell EF, Rijhsinghani A.. A randomized clinical trial comparing immediate versus delayed clamping of the umbilical cord in preterm infants: short-term clinical and laboratory endpoints. Transfusion 48(4):658-65 2008. PMID: 18194383
144. Tanaka MJ, Gryzlak BM, Zimmerman MB, Nisly NL, Wallace RB. Patterns of natural herb use by Asian and Pacific Islanders. Ethnicity and Health 13(2):93-108, 2008. PMID: 18425709
145. Wallace RB, Gryzlak BM, Zimmerman MB, Nisly NL. Application of FDA Adverse Event Report Data to the Surveillance of Dietary Botanical Supplements. Annals of Pharmacotherapy 42(5):653-60, 2008. PMID: 18397972
146. Bradley CS, Zimmerman MB, Wang Q, Nygaard IE; Women's Health Initiative. Vaginal descent and pelvic floor symptoms in postmenopausal women: a longitudinal study. Obstetrics and Gynecology 111(5):1148-53, 2008. PMID: 18448748

147. Hayreh SS, Zimmerman MB. Non-arteritic anterior ischemic optic neuropathy: role of systemic corticosteroid therapy. Graefes Archive for Clinical and Experimental Ophthalmology 246(7):1029-46, 2008. PMID: 18404273
148. Lutgendorf SK, Lamkin DM, Degeest K, Anderson B, Dao M, McGinn S, Zimmerman B, Maiser H, Sood AK, Lubaroff DM. Depressed and anxious mood and T-cell cytokine expressing populations in ovarian cancer patients. Brain Behavior and Immunity. 22(6):890-900, 2008. PMID: 18276105
149. Hayreh SS, Zimmerman MB. Nonarteritic Anterior Ischemic Optic Neuropathy: Clinical Characteristics in Diabetic Patients Versus Nondiabetic Patients. Ophthalmology 115(10):1818-25, 2008. PMID: 18502511
150. Hayreh SS, Zimmerman MB. Nonarteritic anterior ischemic optic neuropathy: refractive error and its relationship to cup/disc ratio. Ophthalmology 115(12):2275-81, 2008. PMID: 19041480
151. Smith MC, Zimmerman MB, Burke DK, Bauman NM, Sato Y, Smith RJ; OK-432 Collaborative Study Group. Efficacy and safety of OK-432 immunotherapy of lymphatic malformations. Laryngoscope 119(1):107-15, 2009. PMID: 19117316
152. Lamkin DM, Spitz DR, Shahzad MM, Zimmerman B, Lenihan DJ, Degeest K, Lubaroff DM, Shinn EH, Sood AK, Lutgendorf SK. Glucose as a prognostic factor in ovarian carcinoma. Cancer 20;115(5):1021-1027, 2009. PMID: 19156916  
PMCID:PMC2649990
153. McCarthy AM, Hanrahan K, Kleiber C, Zimmerman MB, Lutgendorf S, Tsalikian E. Normative salivary cortisol values and responsivity in children. Applied Nursing Research 22(1):54-62, 2009. PMID: 19171296  
PMCID:PMC2650745
154. Rao SS, Paulson J, Mata M, Zimmerman B. Clinical Trial: Effects of botulinum toxin on Levator Ani Syndrome: A double blind, placebo controlled study. Alimentary Pharmacology & Therapeutics 29(9):985-91, 2009. PMID: 19222415  
PMCID:PMC2730637
155. Swingle HM, Colaizy TT, Zimmerman MB, Morriss FH Jr. Abortion and the risk of subsequent preterm birth: a systematic review with meta-analyses. Journal of Reproductive Medicine 54(2):95-108, 2009. PMID: 19301572
156. Singh M, Zimmerman MB, Beltz TG, Johnson AK.. Affect-related behaviors in mice misexpressing the RNA editing enzyme ADAR2. Physiology and Behavior 97(3-4):446-54, 2009. PMID: 19301572  
PMCID:PMC2778280
157. Kwon YH, Adix M, Zimmerman MB, Piette S, Greenlee EC, Alward WL, Abramoff MD. Variance owing to observer, repeat imaging, and fundus camera type on cup-to-disc ratio estimates by stereo planimetry. Journal of Glaucoma 18(4):305-10, 2009. PMID: 19365196
158. Hayreh SS, Podhajsky PA, Zimmerman MB. Branch retinal artery occlusion: natural history of visual outcome. Ophthalmology 116(6):1188-94.e1-4, 2009. PMID: 19376586  
PMCID:PMC2759688
159. Wagoner MD, Ba-Abbad R, Al-Mohaimed M, Al-Swailem S, Zimmerman MB; King Khaled Eye Specialist Hospital Corneal Transplant Study Group. Postoperative

- complications after primary adult optical penetrating keratoplasty: prevalence and impact on graft survival. Cornea 28(4):385-94, 2009.
160. Specht J, Bossen A, Hall GR, Zimmerman B, Russell J. The effects of a dementia nurse care manager on improving caregiver outcomes. American Journal of Alzheimer's Disease and Other Dementia 24(3):193-207, 2009. PMID: 19246574
  161. Brooks L, Zhang Y, Dendi R, Anderson RH, Zimmerman B, Kerber RE. Selecting the Transthoracic Defibrillation Shock Directional Vector Based on VF Amplitude Improves Shock Success. Journal of Cardiovascular Electrophysiology 20(9):1032-1038, 2009. PMID: 19460079
  162. Hayreh SS, Podhajsky PA, Zimmerman MB. Retinal Artery Occlusion Associated Systemic and Ophthalmic Abnormalities. Ophthalmology 116(10):1928-35, 2009. PMID: 19577305 PMID:PMC2757505
  163. Mendoza-Lattes S, Weiss A, Found E, Zimmerman B, Gao Y. Comparable effectiveness of caudal vs. trans-foraminal epidural steroid injections. The Iowa Orthopaedic Journal 29:91-96, 2009. PMID: 19742093 PMID:PMC2723700
  164. Calarge CA, Ellingrod VL, Zimmerman B, Acion L, Sivitz WI, Schlechte JA. Leptin gene -2548G/A variants predict risperidone-associated weight gain in children and adolescents. Psychiatric Genetics 19(6):320-327, 2009. PMID: 19873684 PMID:PMC2919234
  165. Nisly NL, Gryzlak BM, Zimmerman MB, Wallace RB. Dietary supplement polypharmacy: An unrecognized public health problem. Evidence-Based Complementary and Alternative Medicine 7(1):107-113, 2010.
  166. Calarge CA, Zimmerman B, Xie D, Kuperman S, Schlechte JA. A cross-sectional evaluation of the effect of risperidone and selective serotonin reuptake inhibitors on bone mineral density in boys. Journal of Clinical Psychiatry 1(3):338-347, 2010. PMID: 20331935 PMID:PMC2845988
  167. Rao SS, Valestin J, Brown CK, Zimmerman B, Schulze K. Long-term efficacy of biofeedback therapy for dyssynergic defecation: Randomized controlled trial. American Journal of Gastroenterology 105(4):890-896, 2010.
  168. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Westhus N, Allen S. Impact of Parent-Provided Distraction on Child Responses to an IV Insertion. Children's Health Care 39(2):125-41, 2010.
  169. Karafin M, St Louis EK, Zimmerman MB, Sparks JD, Granner MA. Bimodal ultradian seizure periodicity in human mesial temporal lobe epilepsy. Seizure 19(6):347-351. 2010. PMID: 20580271 PMID:PMC2921217
  170. Mock DM, Matthews NI, Zhu S, Burmeister LF, Zimmerman MB, Strauss RG, Schmidt RL, Nalbant D, Freise KJ, Veng-Pedersen P, Widness JA. Red blood cell (RBC) volume can be independently determined in vivo in the sheep using ovine RBCs labeled at different densities of biotin. Transfusion 50(12):2553-64, 2010. PMID: 20561297 PMID:PMC2974037
  171. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Westhus N, Allen S. Factors explaining children's responses to intravenous needle insertions. Nursing Research 59(6):407-16. 2010. PMID: 20962698 PMID:PMC3546606

172. Weinrib AZ, Sephton SE, Degeest K, Penedo F, Bender D, Zimmerman B, Kirschbaum C, Sood AK, Lubaroff DM, Lutgendorf SK. Diurnal cortisol dysregulation, functional disability, and depression in women with ovarian cancer. Cancer 116(18):4410-19, 2010. PMID: 20564155 PMCID:PMC3118555
173. Mains L, Zimmerman M, Blaine J, Stegmann B, Sparks A, Ansley T, Van Voorhis B. Achievement test performance in children conceived by IVF. Human Reproduction 25(10) 2605-611, 2010. PMID: 20716561
174. Fredrickson LK, Bell EF, Cress GA, Johnson KJ, Zimmerman MB, Mahoney LT, Widness JA, Strauss RG. Acute physiological effects of packed red blood cell transfusion in preterm infants with different degrees of anaemia. Archives of Disease in Childhood: Fetal and Neonatal Edition 96(4):F249-53, 2011. PMID 21097838 PMCID:PMC3114194
175. Hayreh SS, Podhajsky PA, Zimmerman MB. Natural history of visual outcome in central retinal vein occlusion. Ophthalmology 118(1):119-133. 2011. PMID: 20723991 PMCID:PMC2989417
176. Mock DM, Matthews NI, Zhu S, Burmeister LF, Zimmerman MB, Strauss RG, Schmidt RL, Nalbant D, Cress GA, Widness JA. Red blood cell (RBC) volume can be independently determined in vivo in humans using RBCs labeled at different densities of biotin. Transfusion 51(1):148-57, 2011 PMID: 20630041 PMCID:PMC2974011
177. Mehra R, Tsalikian E, Chenard CA, Zimmerman MB, Sivitz WI. Feeding frequency and appetite in lean and obese prepubertal children. Obesity 19(3):560-67. 2011. PMID: 20847731
178. Ko AC, Brinton JP, Mahajan VB, Zimmerman B, Brinton GS, Stone EM, Folk JC, Mullins RF. Seroreactivity against aqueous-soluble and detergent-soluble retinal proteins in posterior uveitis. Archives of Ophthalmology, 129(4):415-420, 2011. PMID: 21482867
179. Segal NA, Zimmerman MB, Brubaker M, Torner JC. Obesity and knee osteoarthritis are not associated with impaired quadriceps specific strength in adults. PM&R: The Journal of Injury, Function and Rehabilitation, 3(4):314-323, 2011. PMID: 2149317 PMCID:PMC3080113
180. Nopoulos PC, Conrad AL, Bell EF, Strauss RG, Widness JA, Magnotta VA, Zimmerman MB, Georgieff MK, Lindgren SD, Richman LC. Long-term outcome of brain structure in premature infants: Effects of liberal vs restricted red blood cell transfusions. Archives of Pediatric Adolescent Medicine. 165(5):443-50 2011. PMID: 21199970 PMCID:PMC3622941
181. Ravven SE, Zimmerman MB, Schultz SK, Wallace RB. 12-month herbal medicine use for mental health from the national Comorbidity survey replication (NCS-R). Annals of Clinical Psychiatry 23(2):83-94. 2011. PMID: 21547268
182. Hegg R, Lee AG, Tagg NT, Zimmerman MB. Statin or nonsteroidal anti-inflammatory drug use is associated with lower erythrocyte sedimentation rate in patients with giant cell arteritis. Journal of Neuroophthalmology. 31(2):135-8, 2011 2011. PMID: 21358421

183. Singh M, Singh MM, Na E, Agassandian K, Zimmerman MB, Johnson AK. Altered ADAR2 equilibrium and 5HT(2C) R editing in the prefrontal cortex of ADAR2 transgenic mice. Genes, Brain, and Behavior, 10(6):637-47, 2011. PMID: 21615684 PMCID:PMC3150620
184. Hayreh SS, Podhajky PA, Zimmerman MB. Central and hemicentral retinal vein occlusion role of anti-platelet aggregation agents and anticoagulants. Ophthalmology, 118(8):1603-11, 2011. PMID: 21704382 PMCID:PMC3150626
185. McCarthy AM, Hanrahan K, Scott LM, Zemblidge N, Kleiber C, Zimmerman MB. Salivary Cortisol Responsivity to an Intravenous Catheter Insertion in Children with Attention-Deficit/Hyperactivity Disorder. Journal of Pediatric Psychology, 36(8):902-10, 2011. PMID: 21389037 PMCID:PMC3202938
186. Simon CM, L'heureux J, Murray JC, Winokur P, Weiner G, Newbury E, Shinkunas L, Zimmerman B. Active choice but not too active: Public perspectives on biobank consent models. Genetics in Medicine, 13(9):821-31, 2011 PMID: 21555942 PMCID:PMC3658114
187. Martini S, Van Voorhis BJ, Stegman BJ, sparks AE, Shochet T, Zimmerman MB, Ryan GL. In vitro fertilization patients support a single blastocyst transfer policy. Fertility and Sterility, 96(4):993-7, 2011. PMID: 21868000
188. Calarge CA, Ellingrod VL, Zimmerman B, Bliziotis MM, Schlechte JA. Variants of the serotonin transporter gene, selective serotonin reuptake inhibitors, and bone mineral density in risperidone-treated boys: a reanalysis of data from a cross-sectional study with emphasis on pharmacogenetics. Journal of Clinical Psychiatry, 72(12):1685-90, 2011. PMID: 22244026 PMCID:PMC3653135
189. Turner CA, Xie D, Zimmerman B, Calarge, CA. Iron status in toddlerhood predicts sensitivity to psychostimulants in children. Journal of Attention Disorders 16(4):295-303, 2012. PMID: 20978274 PMCID:PMC3556512
190. Kitzmann AS, Fethke NB, Baratz KH, Zimmerman MB, Hackbarth DJ, Gehrs KM. A Survey Study of Musculoskeletal Disorders Among Eye Care Physicians Compared with Family Medicine Physicians. Ophthalmology, 119(2):213-20, 2012. PMID: 21925736
191. Geraldeli S, Li Y, Hogan MM, Tjaderhane LS, Pashley DH, Morgan TA, Zimmerman MB, Brogden KA. Inflammatory mediators in fluid extracted from the coronal occlusal dentine of trimmed teeth. Archives of Oral Biology, 57(3):264-70, 2012. PMID: 21930261 PMCID:PMC3247661
192. Hayreh SS, Zimmerman MB. Hemicentral retinal vein occlusion: Natural History of Visual Outcome. Retina, 32(1):68-76, 2012. PMID: 21878854
193. Mock DM, Matthews NI, Zhu S, Strauss RG, Schmidt RL, Zimmerman MB, Nalbant D, Freise KJ, Saleh M, Veng-Pedersen P, Widness JA. Comparison of red blood cell survival in sheep determined using red blood cells labeled with either biotin at multiple densities or [(14) C]cyanate: validation of a model to study human physiology and disease. Transfusion, 52(5):963-73, 2012. PMID: 22229348 PMCID:PMC3564637

194. Allen RC, Zimmerman MB, Watterberg EA, Morrison LA, Carter KD. Primary bilateral silicone frontalis suspension for good levator function ptosis in oculopharyngeal muscular dystrophy. British Journal of Ophthalmology 96(6):841-5, 2012. PMID: 22229348
195. Vance CG, Rakel BA, Blodgett NP, de Santana JM, Amendola A, Zimmerman MB, Walsh DM, Sluka KA. Effects of Transcutaneous Electrical Nerve Stimulation on Pain, Pain Sensitivity, and Function in Patients With Knee Osteoarthritis: A Randomized Controlled Trial. Physical Therapy 92(7):898-910, 2012. PMID: 22466027 PMID:PMC3386514
196. Hayreh SS, Zimmerman MB. Ocular neovascularization associated with central and hemicentral retinal vein occlusion. Retina, 32(8):1553-65, 2012. PMID: 22495331
197. Calarge CA, Nicol G, Xie D, Zimmerman B. Correlates of Weight Gain During Long-Term Risperidone Treatment in Children and Adolescents. Child and Adolescent Psychiatry and Mental Health, 6(1):21 2012. PMID:22643087 PMID:PMC3489823
198. Abu Hejleh T, Deyoung BR, Engelman E, Deutsch JM, Zimmerman B, Halfdanarson TR, Berg DJ, Parekh KR, Lynch WR, Iannettoni MD, Bhatia S, Clamon G. Relationship between HER-2 overexpression and brain metastasis in esophageal cancer patients. World J Gastrointest Oncol 4(5):103-8, 2012. PMID: 22645633 PMID: PMC3360103
199. Shafi S, Zimmerman B, Kalil R. Temporary inactive status on renal transplant waiting list: causes, risk factors, and outcomes. Transplant Proc. 44(5):1236-40, 2012. PMID: 22663992
200. Lutgendorf SK, De Geest K, Bender D, Ahmed A, Goodheart MJ, Dahmouh L, Zimmerman MB, Penedo FJ, Lucci JA 3rd, Ganjei-Azar P, Thaker PH, Mendez L, Lubaroff DM, Slavich GM, Cole SW, Sood AK. Social influences on clinical outcomes of patients with ovarian cancer. Journal of Clinical Oncology 30(23):2885-90, 2012. PMID: 22802321 PMID: PMC3410403
201. Hanrahan K, McCarthy AM, Kleiber C, Ataman K, Street WN, Zimmerman MB, Ersig AL. Building a Computer Program to Support Children, Parents, and Distraction During Healthcare Procedures. Comput Inform Nurs. [Epub ahead of print] Jul 16, 2012. PMID: 22805121 PMID: PMC3477263
202. Lee AG, Oetting TA, Blomquist PH, Bradford G, Culican SM, Kloek C, Krishnan C, Lauer AK, Levi L, Naseri A, Rubin SE, Scott IU, Tao J, Tuli S, Wright MM, Wudunn D, Zimmerman MB. A Multicenter Analysis of the Ophthalmic Knowledge Assessment Program and American Board of Ophthalmology Written Qualifying Examination Performance. Ophthalmology 119(10):1949-53, 2012. PMID: 22841987
203. Harland KK, Saftlas AF, Wallis AB, Yankowitz J, Triche EW, Zimmerman MB. Correction of Systematic Bias in Ultrasound Dating in Studies of Small-for-Gestational-Age Birth: An Example From the Iowa Health in Pregnancy Study. Am J Epidemiology 176(5):443-55, 2012. PMID: 22886591 PMID:PMC3499119
204. Hayreh SS, Zimmerman MB, Podhajsky PA. Retinal Vein Occlusion and the Optic Disk. Retina 32(10):2108-18, 2012. PMID: 22914682

205. Sandesara CM, Chung MK, Van Wagoner DR, Barringer TA, Allen K, Ismail HM, Zimmerman B, Olshansky B. A Randomized, Placebo-Controlled Trial of Omega-3 Fatty Acids for Inhibition of Supraventricular Arrhythmias After Cardiac Surgery: The FISH Trial. Journal of the American Heart Association1(3):e000547, 2012. PMID: 23130134 PMCID: PMC3487324
206. Rakel BA, Blodgett NP, Zimmerman MB, Logsdon-Sackett N, Clark C, Noiseux N, Callaghan J, Herr H, Geasland K, Yang XY, Sluka KA. Predictors of postoperative movement and resting pain following total knee replacement. Pain 153(11):2192-203, 2012.
207. Longmuir SQ, Boese EA, Pfeifer W, Zimmerman B, Short L, Scott WE. Practical community photoscreening in very young children. Pediatrics, 131(3)e764-9, 2013 PMID: 23400603
208. Akubuiro A, Zimmerman MB, Ponto LLB, Walsh SA, Subderland J, McCormick L, Singh M. Hyperactive hypothalamus, motivated and non-distractable chronic overeating in ADAR2 transgenic mice. Genes, Brain, and Behavior 12(3):311-22, 2013.
209. Weiss RM, Lund DD, Chu Y, Brooks RM, Zimmerman KA, El Accaoui R, Davis MK, Hajj GP, Zimmerman MB, Heistad DD. Osteoprotegerin inhibits aortic valve calcification and preserves valve function in hypercholesterolemic mice. PLoS One, 8(6):e65201, 2013. PMID: 23762316 PMCID:PMC3675204
210. Vyas A, Swaminathan PD, Zimmerman MB, Olshansky B. Are treatments for vasovagal syncope effective? A meta-analysis. International Journal of Cardiology 167(5):1906-11, 2013. PMID: 22626839
211. Pedersen M, Doyle MR, Beste A, Diekema DJ, Zimmerman MB, Herwaldt LA. Survey of high school athletic programs in Iowa regarding infections and infection prevention policies and practices. Iowa Orthopaedic Journal 33:107-13, 2013. PMID: 24027469 PMCID: PMC3748864
212. Nalbant, D, Bhandary P, Matthews NI, Schmidt RL, Bogusiewicz A, Cress GA, Zimmerman MB, Strauss RG, Mock DM, Widness JA. Comparison of multiple red cell volume methods performed concurrently in premature infants following allogeneic transfusion. Pediatric Research 74(5):592-600, 2013. PMID: 24088873
213. Singh SB, Weinberger MM, Zimmerman MB, Starner TD. Growth of preschool age children receiving daily inhaled corticosteroids. Allergy and Asthma Proceedings 34(6):511-8, 2013. PMID:24169058
214. Lutgendorf SK, Slavich GM, DeGeest K, Goodheart M, Bender D, Thaker PH, Penedo F, Zimmerman B, Lucci J, Mendez L, Collins K, Sood AK. Non-cancer life stressors contribute to impaired quality of life in ovarian cancer patients. Gynecologic Oncology 131(3):667-73, 2013. PMID:24096110 PMCID:PMC3882020
215. Hayreh SS, Zimmerman MB. Bilateral Nonarteritic Anterior Ischemic Optic Neuropathy: Comparison of Visual Outcome in the Two Eyes. Journal of Neuro-ophthalmology 33(4):338-43, 2013. PMID: 23838766
216. Widness JA, Nalbant D, Matthews NI, Strauss RG, Schmidt RL, Cress GA, Zimmerman MB, Mock DM. Tracking donor RBC survival in premature infants:

- agreement of multiple populations of biotin-labeled RBCs with Kidd antigen-mismatched RBCs. Pediatric Research 74(6):689-97, 2013. PMID:24108188
217. Amendola RL, Reinhardt JM, Zimmerman MB, Sato Y, Diggelmann HR, Kacmarynski DS. Development of a preliminary pediatric tracheal growth model from magnetic resonance images. Laryngoscope 124(8):1947-51, 2014. PMID:24307560
  218. Hayreh SS, Zimmerman MB. Amaurosis Fugax in ocular vascular occlusive disorders: Prevalence and Pathogeneses. Retina 34(1):115-22, 2014. PMID: 23632956
  219. Hayreh SS, Zimmerman MB. Branch retinal vein occlusion: natural history of visual outcome. JAMA Ophthalmology 132(1):13-22, 2014. PMID:24158729
  220. Singhvi A, Tansey MJ, Janz K, Zimmerman MB, Tsalikian E. Aerobic Fitness and Glycemic Variability in Adolescents with Type 1 Diabetes. Endocrine Practice 20(6):566-70, 2014. PMID: 24449660
  221. Bisht B, Darling WG, Grossmann RE, Shivapour ET, Lutgendorf SK, Snetselaar LG, Hall MJ, Zimmerman MB, Wahls TL. A Multimodal Intervention for Patients with Secondary Progressive Multiple Sclerosis: Feasibility and Effect on Fatigue. J Altern Complement Med 20(5):347-55, 2014. PMID: 24476345
  222. Metcalf KM, Singhvi A, Tsalikian E, Tansey MJ, Zimmerman MB, Esliger DW, Janz KF. Effects of Moderate-to-Vigorous Intensity Physical Activity on Overnight and Next-Day Hypoglycemia in Active Adolescents With Type 1 Diabetes. Diabetes Care 37(5):1272-8, 2014. PMID:24574352
  223. Noiseux NO, Callaghan JJ, Clark CR1, Zimmerman MB, Sluka KA, Rakel BA. Preoperative predictors of pain following total knee arthroplasty. Journal of Arthroplasty 29(7):1383-7, 2014. PMID:24630598 PMCID:PMC4065835
  224. Ward MS, Goins KM, Greiner MA, Kitzmann AS, Sutphin JE, Alward WL, Greenlee EC, Kwon YH, Zimmerman MB, Wagoner MD. Graft survival versus glaucoma treatment after penetrating or Descemet stripping automated endothelial keratoplasty. Cornea 33(8):785-9, 2014. PMID:24915017
  225. Khan I, Zimmerman B, Brophy P, Kamath S. Masking of syndrome of inappropriate antidiuretic hormone secretion: the isonatremic syndrome. Journal of Pediatrics 165(4):722-6, 2014. PMID:24996987
  226. Greiner MA, Rixen JJ, Wagoner MD, Schmidt GA, Stoeger CG, Straiko MD, Zimmerman MB, Kitzmann AS, Goins KM. Diabetes Mellitus Increases Risk of Unsuccessful Graft Preparation in Descemet Membrane Endothelial Keratoplasty: A Multicenter Study. Cornea. 33(11):1129-33, 2014. PMID:25222000
  227. Longmuir SQ, Oral R, Walz AE, Kemp PS, Ryba J, Zimmerman B, Abramoff MD. Quantitative measurement of retinal hemorrhages in suspected victims of child abuse. Journal of AAPOS 18(6) 529-33, 2014. PMID: 25456029
  228. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Ersig A, Westhus N, Allen S. Matching doses of distraction with child risk for distress during a medical procedure: a randomized clinical trial. Nursing Research 63(6):397-407, 2014. PMID: 25350539 PMCID:PMC4282990

229. Rakel BA, Zimmerman MB, Geasland K, Embree J, Clark CR, Noiseux NO, Callaghan JJ, Herr K, Walsh D, Sluka KA. Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty: A randomized, blinded, placebo-controlled trial. Pain 155(12):2599-611, 2014. PMID: 25270585 PMCID:PMC4250415
230. Kelchen MN, Holdren GO, Farley MJ, Zimmerman MB, Fairley JA, Brogden NK. Optimization of impedance spectroscopy techniques for measuring cutaneous micropore formation after microneedle treatment in an elderly population. Pharmaceutical Research 31(12):3478-86, 2014. PMID: 24947437
231. Kumar AB, Zimmerman MB, Suneja M. Obesity and post-cardiopulmonary bypass-associated acute kidney injury: A single-center retrospective analysis. Journal of Cardiothoracic and Vascular Anesthesia 28(3):551-6, 2014. PMID: 25542848
232. Tracy CR, Henning JR, Newton MR, Aviram M, Zimmerman MB. Oxidative stress and nephrolithiasis: a comparative pilot study evaluating the effect of pomegranate extract on stone risk factors and elevated oxidative stress levels of recurrent stone formers and controls. Urolithiasis 42(5):401-8, 2014. PMID:xxxxxxx
233. Hayreh SS, Zimmerman MB. Fundus Changes in Central Retinal Vein Occlusion. Retina 35(1):29-3, 2015. PMID:25084156 PMCID:PMC4276535
234. Noehren B, Dailey DL, Rakel BA, Vance CG, Zimmerman MB, Crofford LJ, Sluka KA. Effect of Transcutaneous Electrical Nerve Stimulation on Pain, Function, and Quality of Life in Fibromyalgia: A Double-Blind Randomized Clinical Trial. Physical Therapy. 95(1):129-40, 2015. PMID:25212518
235. Crockett CD, Bertrand LA, Cooper CS, Rahhal RM, Liu K, Zimmerman MB, Moore SA, Mathews KD. Urologic and gastrointestinal symptoms in the dystroglycanopathies. Neurology 84(5):532-9, 2015. PMID:25568299 PMCID:PMC4336067
236. Hayreh SS, Zimmerman MB. Fundus Changes in Branch Retinal Vein Occlusion. Retina 35(5):1016-27, 2015. PMID:25574785
237. Rakel B, Vance C, Zimmerman MB, Petsas-Blodgett N, Amendola A, Sluka KA. Mechanical Hyperalgesia and Reduced Quality of Life Occur in People with Mild Knee Osteoarthritis Pain. Clinical Journal of Pain 31(4):315-22, 2015. PMID:24866856
238. Allen RC, Hong ES, Zimmerman MB, Morrison LA, Nerad JA, Carter KD. Factors Affecting Eyelid Crease Formation Before and After Silicone Frontalis Suspension for Adult-Onset Myogenic Ptosis. Ophthalmic Plastic Reconstructive Surgery 31(3):227-32, 2015. PMID:25198392
239. Vislisel JM, Liaboe CA, Wagoner MD, Goins KM, Sutphin JE, Schmidt GA, Zimmerman MB, Greiner MA. Graft survival of diabetic versus nondiabetic donor tissue after initial keratoplasty. Cornea 34(4):370-4, 2015. PMID: 25642643
240. Wibbenmeyer L, Oltrogge K, Kluesner K, Zimmerman MB, Kealey PG. An evaluation of discharge opioid prescribing practices in a burn population. Journal of Burn Care Research 36(2):329-35, 2015. PMID:25680091

241. Boyer EM, Thompson N, Hill T, Zimmerman MB. The relationship between methamphetamine use and dental caries and missing teeth. Journal of Dental Hygiene 89(2):119-31, 2015. PMID: 25883373
242. Swift SH, Zimmerman MB, Hardy-Fairbanks AJ. Effect of single-use negative pressure wound therapy on post-cesarean infections and wound complications for high-risk patients. Journal of Reproductive Medicine 60(5-6):211-8, 2015. PMID: 26126306
243. Greiner MA, Burckart KA, Wagoner MD, Schmidt GA, Reed CR, Liaboe CA, Flamme-Wiese MJ, Zimmerman MB, Mullins RF, Kardon RH. Regional assessment of energy-producing metabolic activity in the endothelium of donor corneas. Investigative Ophthalmology & Visual Science 56(5):2803-10, 2015. PMID: 26024071
244. Churfane CE, Gessel L, Cirillo D, Zimmerman MB, Polyak S. Monocytosis and a low lymphocyte to monocyte ratio are effective biomarkers of ulcerative colitis disease activity. Inflammatory Bowel Diseases 21(8):1769-75, 2015. PMID: 25993688
245. Wibbenmeyer L, Eid A, Kluesner K, Heard J, Zimmerman B, Kealey GP, Brennan T. An evaluation of factors related to postoperative pain control in burn patients. Journal of Burn Care & Research 36(5):580-6, 2015. PMID:26335109
246. Hindman BJ, From RP, Fontes RB, Traynelis VC, Todd MM, Zimmerman MB, Puttlitz CM, Santoni BG. Intubation Biomechanics: Laryngoscope force and cervical spine motion during intubation in cadavers-cadavers versus patients, the effect of repeated intubations, and the effect of type II odontoid fracture on C1-C2 motion. Anesthesiology 123(5):1042-58, 2015. PMID: 26288267
247. Widness JA, Kuruvilla DJ, Mock DM, Matthews NI, Cress GA, Schmidt RL, Strauss RG, Zimmerman MB, Veng-Pedersen P. Autologous infant and allogeneic adult red cells demonstrate similar concurrent post-transfusion survival in very low birth weight neonates. Journal of Pediatrics 167(5):1001-6 2015. PMID: 26363547
248. Hayreh SS, Zimmerman MB. Fundus changes in retinal arteriolar occlusion. Retina 35(10):2060-6, 2015. PMID: 26274038
249. Aldrich BT, Stockman AM, Freiburger MJ, Shinkunas TJ, Burckart KA, Schmidt GA, Reed CR, Zimmerman MB, Goins KM, Wagoner MD, Greiner MA. A simple and reliable technique to orient donor corneal tissue using the radial width of the surgical limbus. Cornea 34(12):1632-6, 2015. PMID: 26488631
250. McConnell LK, Syed NA, Zimmerman MB, Carter KD, Nerad JA, Allen RC, Shriver EM. An analysis of conjunctival map biopsies in sebaceous carcinoma. Ophthalmic Plastic Reconstructive Surgery 2016 Feb 1. [Epub ahead of print] PMID: 26836812
251. Darbro BW, Singh R, Zimmerman MB, Mahajan VB, Bassuk AG. Autism Linked to Increased Oncogene Mutations but Decreased Cancer Rate. PLoS One, 2016 Mar 2;11(3):e0149041. PMID: 26934580
252. Brumbaugh JE, Conrad AL, Lee JK, DeVolder IJ, Zimmerman MB, Magnotta VA, Axelson ED, Nopoulos PC. Altered brain function, structure, and developmental trajectory in children born late preterm. Pediatric Research 80(2):197-203, 2016. PMID: 27064239

253. Kumar S, Ooi CY, Werlin S, Abu-El-Haija M, Barth B, Bellin MD, Durie PR, Fishman DS, Freedman SD, Gariepy C, Giefer MJ, Gonska T, Heyman MB, Himes R, Husain SZ, Lin TK, Lowe ME, Morinville V, Palermo JJ, Pohl JF, Schwarzenberg SJ, Troendle D, Wilschanski M, Zimmerman MB, Uc A. Risk Factors Associated With Pediatric Acute Recurrent and Chronic Pancreatitis: Lessons From INSPPIRE. JAMA Pediatrics 170(6):562-9, 2016. PMID: 27064572
254. Al-Ghananim RT, Nalbant D, Schmidt RL, Cress GA, Zimmerman MB, Widness JA. Reticulocyte hemoglobin content during the first month of life in critically ill low birth weight neonates differs from term infants, children, and adults. Journal of Clinical Laboratory Analysis 30(4):326-34, 2016. PMID: 25968472
255. Lanzel E, Robinson RA, Zimmerman MB, Pourian A, Hellstein JW. The use of immunohistochemistry in detection of perineural invasion in mucoepidermoid carcinoma. Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology 121(6):636-42, 2016. PMID: 27068680
256. Christensen DK, Armaiz-Pena GN, Ramirez E, Matsuo K, Zimmerman B, Zand B, Shinn E, Goodheart MJ, Bender D, Thaker PH, Ahmed A, Penedo FJ, DeGeest K, Mendez L, Domann F, Sood AK, Lutgendorf SK. SSRI use and clinical outcomes in epithelial ovarian cancer. Oncotarget 7(22):33179-91, 2016. PMID: 27121207
257. Frey-Law LA, Bohr NL, Sluka KA, Herr K, Clark CR, Noiseux NO, Callaghan JJ, Zimmerman MB, Rakel BA. Pain sensitivity profiles in patients with advanced knee osteoarthritis. Pain, 157(9):1988-99, 2016. PMID: 27152688
258. Flanary WE, Vislisel JM, Wagoner MD, Raecker ME, Aldrich BT, Zimmerman MB, Goins KM, Greiner MA. Incidence of Cystoid Macular Edema After Descemet Membrane Endothelial Keratoplasty as a Staged and Solitary Procedure. Cornea 35(8):1040-4, 2016. PMID:27158809
259. Kuiper JJ, Zimmerman MB, Pagedar NA, Carter KD, Allen RC, Shriver EM. Perception of patient appearance following various methods of reconstruction after orbital exenteration. Orbit 35(4):187-92, 2016. PMID:27341072
260. Avdić A, Tucker S, Evans R, Smith A, Zimmerman MB. Comparing the ratio of mean red blood cell transfusion episode rate of 1 unit versus 2 units in hematopoietic stem cell transplant patients. Transfusion 56(9):2346-51, 2016. PMID:27481696
261. Merriwether EN, Rakel BA, Zimmerman MB, Dailey DL, Vance CG, Darghosian L, Golchha M, Geasland KM, Chimenti R, Crofford LJ, Sluka KA. Reliability and Construct Validity of the Patient-Reported Outcomes Measurement Information System (PROMIS) Instruments in Women with Fibromyalgia. Pain Med 2016 Aug 24. [Epub ahead of print] PMID:27561310
262. Schwarz C, Aldrich BT, Burckart KA, Schmidt GA, Zimmerman MB, Reed CR, Greiner MA, Sander EA. Descemet membrane adhesion strength is greater in diabetics with advanced disease compared to healthy donor corneas. Experimental Eye Research 153:152-158, 2016. PMID: 27777123
263. Hayreh SS, Zimmerman MB. Ocular Arterial Occlusive Disorders and Carotid Artery Disease. Ophthalmology Retina 1(1):12-18, 2017. PMID: 28547004

264. Hadlandsmyth K, Sabic E, Zimmerman MB, Sluka KA, Herr KA, Clark CR, Noiseux NO, Callaghan JJ, Geasland KM, Embree JL, Rakel BA. Relationships among pain intensity, pain-related distress, and psychological distress in pre-surgical total knee arthroplasty patients: a secondary analysis. Psychol Health Med 22(5):552-63, 2017. PMID:27216314
265. Vislisel JM, Goins KM, Wagoner MD, Schmidt GA, Aldrich BT, Skeie JM, Reed CR, Zimmerman MB, Greiner MA. Incidence and Outcomes of Positive Donor Corneoscleral Rim Fungal Cultures after Keratoplasty. Ophthalmology 124(1):36-42, 2017. PMID: 27817919
266. McConnell LK, Syed NA, Zimmerman MB, Carter KD, Nerad JA, Allen RC, Shriver EM. An Analysis of Conjunctival Map Biopsies in Sebaceous Carcinoma. Ophthalmic Plastic and Reconstructive Surgery 33(1):17-21, 2017. PMID: 26836812
267. McCullagh BN, Comellas AP, Ballas ZK, Newell JD Jr, Zimmerman MB, Azar AE. Antibody deficiency in patients with frequent exacerbations of Chronic Obstructive Pulmonary Disease (COPD). PLoS One. 2017 Feb 17;12(2):e0172437. doi: 10.1371/journal.pone.0172437. eCollection 2017. PubMed PMID: 28212436; PubMed Central PMCID: PMC5315316
268. Brun BN, Mockler SR, Laubscher KM, Stephan CM, Collison JA, Zimmerman MB, Mathews KD. Childhood Activity on Progression in Limb Girdle Muscular Dystrophy 2I. Journal of Child Neurology 32(2):204-209, 2017 PMID: 27872178
269. Sharma N, Naraev BG, Engelman EG, Zimmerman MB, Bushnell DL Jr, O'Dorisio TM, O'Dorisio MS, Menda Y, Müller-Brand J, Howe JR, Halfdanarson TR. Peptide Receptor Radionuclide Therapy Outcomes in a North American Cohort With Metastatic Well-Differentiated Neuroendocrine Tumors. Pancreas 46(2):151-156, 2017. PMID: 27759712
270. Evans JA, Clark TJ, Zimmerman MB, Allen RC, Nerad JA, Carter KD, Shriver EM. Rethinking Our Definition of Postoperative Success: A Comparative Analysis of Three Upper Eyelid Retraction Repair Techniques Using Novel Metrics to Capture Functional and Aesthetic Outcomes. Ophthalmic Plastic and Reconstructive Surgery. 2017 Feb 10. [Epub ahead of print] PMID: 28195872
271. Brun BN, Mockler SR, Laubscher KM, Stephan CM, Wallace AM, Collison JA, Zimmerman MB, Dobyns WB, Mathews KD. Comparison of brain MRI findings with language and motor function in the dystroglycanopathies. Neurology 14;88(7):623-629, 2017 PMID: 28087826; PMCID: PMC5317381
272. Scheers I, Palermo JJ, Freedman S, Wilschanski M, Shah U, Abu-El-Haija M, Barth B, Fishman DS, Garipey C, Giefer MJ, Heyman MB, Himes RW, Husain SZ, Lin TK, Liu Q, Lowe M, Mascarenhas M, Morinville V, Ooi CY, Perito ER, Piccoli DA, Pohl JF, Schwarzenberg SJ, Troendle D, Werlin S, Zimmerman B, Uc A, Gonska T. Autoimmune Pancreatitis in Children: Characteristic Features, Diagnosis, and Management. American Journal of Gastroenterology. 2017 Apr 4. [Epub ahead of print] PMID: 28374818
273. Aldrich BT, Schlötzer-Schrehardt U, Skeie JM, Burckart KA, Schmidt GA, Reed CR, Zimmerman MB, Kruse FE, Greiner MA. Mitochondrial and Morphologic Alterations in Native Human Corneal Endothelial Cells Associated With Diabetes

- Mellitus. Investigative Ophthalmology & Visual Sciences 58(4):2130-2138, 2017. PMID: 28395029
274. Liaboe CA, Aldrich BT, Carter PC, Skeie JM, Burckart KA, Schmidt GA, Reed CR, Zimmerman MB, Greiner MA. Assessing the Impact of Diabetes Mellitus on Donor Corneal Endothelial Cell Density. Cornea 36(5):561-566, 2017. PMID: 28306601
275. Munch EM, Sparks AE, Zimmerman MB, Van Voorhis BJ, Duran EH. High FSH dosing is associated with reduced live birth rate in fresh but not subsequent frozen embryo transfers. Human Reproduction 2017 May 4. doi:10.1002/jor.23596. [Epub ahead of print] PMID: 28472321
276. Cooper NA, Rakel BA, Zimmerman B, Tonelli SM, Herr KA, Clark CR, Noiseux NO, Callaghan JJ, Sluka KA. Predictors of multidimensional functional outcomes after total knee arthroplasty. Journal of Orthopaedic Research 2017 May 4. doi: 10.1002/jor.23596. [Epub ahead of print] PMID: 28471509
277. Giefer MJ, Lowe ME, Werlin SL, Zimmerman B, Wilschanski M, Troendle D, Schwarzenberg SJ, Pohl JF, Palermo J, Ooi CY, Morinville VD, Lin TK, Husain SZ, Himes R, Heyman MB, Gonska T, Garipey CE, Freedman SD, Fishman DS, Bellin MD, Barth B, Abu-El-Haija M, Uc A. Early-Onset Acute Recurrent and Chronic Pancreatitis Is Associated with PRSS1 or CTFC Gene Mutations. Journal of Pediatrics 2017 May 9. doi: 10.1016/j.jpeds.2017.03.063. [Epub ahead of print] PMID: 28502372
278. Ersig AL, Schutte DL, Standley J, Leslie E, Zimmerman B, Kleiber C, Hanrahan K, Murray JC, McCarthy AM. Relationship of Genetic Variants With Procedural Pain, Anxiety, and Distress in Children. Biological Research for Nursing 19(3):339-349, 2017. PMID: 28413930
279. Troendle DM, Fishman DS, Barth BA, Giefer MJ, Lin TK, Liu QY, Abu-El-Haija M, Bellin MD, Durie PR, Freedman SD, Garipey C, Gonska T, Heyman MB, Himes R, Husain SZ, Kumar S, Lowe ME, Morinville VD, Ooi CY, Palermo J, Pohl JF, Schwarzenberg SJ, Werlin S, Wilschanski M, Zimmerman MB, Uc A. Therapeutic Endoscopic Retrograde Cholangiopancreatography in Pediatric Patients With Acute Recurrent and Chronic Pancreatitis: Data From the INSPPIRE (INternational Study group of Pediatric Pancreatitis: In search for a cuRE) Study. Pancreas 46(6):764-769, 2017. PMID: 28609364

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

1. Bautista DV, Scott WE, Zimmerman B, Sarin S. Longterm effectiveness of bilateral medial retus recession in congenital esotropia and acquired accommodative and nonaccommodative esotropia. Update on Strabismus and Pediatric Ophthalmology, edited by Gunnar Lennerstrand, Chapter 12:240-243. CRC Press, Boca Raton, Florida,1995. (*Role: Statistical analysis, Writing of statistical section*)
2. Chenard CA, Zimmerman MB, Smith KL, Nonnie PF, Wahls TL. New measurement weight for one cup raw kale reduces nutrient intake of individuals following the Wahls™ diet. Procedia Food Science, edited by Mitchell DC and Braithwaite E, Volume 4:39-47. Elsevier Science BV, Amsterdam, Netherlands, 2015.

*Other (example, letter to the editor)*

1. Chenhsu RY, Wu YM, Min DI, Zimmerman MB. Effects of mycophenolate mofetil on hematocrit after renal transplantation. Annals of Pharmacotherapy 36(9):1479-80, 2002. (Role: Statistical analysis)
2. Zimmerman MB. Book review: SAS Programming and Data Analysis: A Theory and Program-Driven Approach by Leonard C. Onyiah. The American Statistician 61(3): 277-278(2), 2007.

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

1. Sample size and power.
2. Longitudinal data analysis
3. Logistic regression models

**C. Grants Received (ALL grants, least to most recent)**

Title	Source	% Effort	Direct Funds
P.I.		% Salary Support	Period of Funding
2P01HL14388-26 (PI) NIH Integrative Neurobiology of Cardiovascular Regulation - PPG The overall objective of this Program Project Grant is to study the regulation of the circulation in pathological states. The approach is currently under investigation including cardiac and vascular cells in culture, isolated systems, and animal models of disease, normal human subjects, and patients. Role: Biostatistician in Biostatistics Core (NOTE: This is the third renewal continuation of this 5-year grant of which I have been supported for the periods 1988-93 and 1993-98)	Francois M. Abboud	20%	3/08/98-12/31/02
1R01NR04886-01A1 NIH Lay CHD Representations and Women's Self-Referral for MI The major goal of this project is to investigate how lay people's cognitive representation of coronary heart disease contribute to delays in seeking medical care for symptoms of acute myocardial infarction, with an emphasis on female victims. Role: Statistical Consultant	Martin, Rene (PI)	5%	4/1/00-3/31/03 \$1,005, 680
R01 HD39000 NICHD Depo-provera and bone density in premenopausal women	M. Kathleen Clark (PI)	5%	02/01/00-01/31/04

Role: Statistical Consultant

2M01 RR00059 Robillard, Jean (PI) 30% 03/01/03 – 02/28/08  
NIH \$21,083,313

General Clinical Research Center  
General Clinical Research Center for the University of Iowa.

Role: Biostatistician

(NOTE: This is the renewal continuation of this 5-year grant of which I have been supported for the period 1998-03)

1 P01 ES1 2020-01 Birt, Diane F. (PI) 27% 07/01/02 – 06/30/07  
NIH \$7,156,941

Center for Research on Botanical Dietary Supplements  
The Center for Research on Dietary Botanical Supplements at Iowa State University and The University of Iowa will link two traditional strong complementary institutions and focus their effort on important research on botanical supplements.

Role: Biostatistician for Project 4 (epidemiological studies of dietary botanical supplements)

R42 AG021844-01 Anil K. Sahai(PI)) 5% 03/01/04 – 12/31/04  
NIH (NIA-Small Business Technology \$133,495  
Transfer Program)

Medication Dispenser MD.2: Improving Health Outcome

The objective of this STTR Phase I is to establish the feasibility of the research protocol for a Phase III clinical trial (Phase II of this STTR Fast Track Application) to quantify the benefits of using the MD.2 medication dispenser on health outcomes. The specific aims are to (1) develop data collection procedures that provide valid and comprehensive data to describe study subjects and their health services utilization, (2) randomize 24 patients to receive or not receive the MD.2 medication dispenser for 3 months and measure outcomes and (3) determine that the research protocol is acceptable to homecare staff/case management staff in the study sites.

Role: Co-investigator (responsible for the randomization and statistical analyses)

RO1-CA1045-25-01 5% 09/30/03-8/31/08  
Susan Lutgendorf (PI) \$269,284 (yr 1)  
NIH

Biobehavioral-Cytokine Interactions in Ovarian Cancer

This is a longitudinal prospective study examining relationships between social support, depression, angiogenic cytokines in peripheral blood and ascites and disease free interval in ovarian cancer patients.

Role: Biostatistician

RO1-EY017066-01 5% 09/15/05-8/31/08  
Michael Abramoff (PI) \$986,883  
NIH

Low-Cost, Portable, Computer-Assisted Imaging of Diabetic Retinopathy

Role: Biostatistician

2P01 HL0 46925-14 9% 07/1/06-6/30/12  
John Widness (PI) \$14,595,824  
NIH  
Neonatal Anemia: Pathophysiology and Treatment.  
Role: Co-investigator/Biostatistician

R01 NR010405-01 7% 07/1/07-6/30/09  
Barbara Rakel (PI) \$100,000  
NIH  
Effect of TENS on Knee Osteoarthritis Pain, Hyperalgesia, and Function.  
Role: Biostatistician

R01 NR0005269-05A 10% 08/1/07-07/31/10  
Ann Marie McCarthy (PI) \$3,296,734  
NIH  
Predicting Children's Response to Distraction from Pain: Tailored Interventions.  
Role: Biostatistician

R21 AI068111-02 3% 09/1/07-08/31/09  
Audrey Saftlas (PI) \$395,650  
NIH  
Impact of LEEP on Cervical Length and Secretions  
Role: Biostatistician

UL1 RR024979-01 50% 09/17/07-05/31/12  
Gary Rosenthal (PI) \$20,123,882  
NIH  
Institute for Clinical and Translational Science  
Role: Biostatistician

R01 CA129022-01 2% 02/1/08-02/1/10  
Geoffrey McLennan (PI) \$20,123,882  
NIH  
Precise Correspondence of 3D Pathology with Radiologic Features in Lung Nodules  
Role: Biostatistician

R01 CA140933-01 4.5% 07/1/09-05/31/13  
Susan Lutgendorf (PI) \$466,763  
NIH

Biobehavioral Influences and the Ovarian Tumor Microenvironment

Role: Biostatistician

R01 AR059115-01 5% 04/1/10-03/31/15  
Christopher Adams (PI) \$1,125,000  
NIH  
Molecular Pathogenesis of Skeletal Muscle Atrophy  
Role: Biostatistician

R01 NS055903-03 5% 8/7/11-2/29/13  
Peggy Nopoulos (PI) \$107,188  
NIH  
Brain Structure and Function in Children at Risk for  
Huntington's Disease  
Role: Biostatistician

UH2 AT007784-01 5% 9/30/12-8/31/13  
Gary Rosenthal (PI) \$543,997  
NIH  
Nighthtime Dosing of Anti-Hypertensive Medication:  
A Pragmatic Clinical Trial  
Role: Biostatistician

2P01 HL0 46925-16 9% 07/1/012-6/30/17  
John Widness (PI) \$22,459,920  
NIH  
Neonatal Anemia: Pathophysiology and Treatment.  
Role: Co-investigator/Biostatistician

5 R01 HL 119882 Helena Laroche (PI) 8/1/14-6/30/19  
NIH  
Family Obesity Intervention: Motivational Interviewing and Community Support  
Role: Biostatistician

1 R34 AT008349 Barbara Rakel (PI) 9/1/14-6/30/16  
NIH  
Preventing Persistent Post-Surgical Pain & Opioid Use in Veterans: Effect of ACT  
Role: Biostatistician

5 UM1 AR063381 Kathleen A. Sluka (PI) 7/1/13-6/30/18  
NIH  
Fybromyalgia Activity Study with TENS "FAST"  
Role: Biostatistician

2 U54 NS053672 Kevin Campbell (PI) 6/8/05-6/30/20

NIH  
Muscular Dystrophy Cooperative Research Center  
Role: Biostatistician

1 R01 MH104363 David Wacker (PI) 4/1/15-3/31/19

NIH  
Comparing Behavioral Assessments Using Telehealth for Children with Autism  
Role: Co-Investigator

1 U01 DK108334 Aliye Uc (Contact PI) 9/28/15-8/31/20

NIH  
INSPPIRE to Study Pediatric Chronic Pancreatitis  
Role: Co-Investigator

1 U54 TR0013564 Gary Rosenthal (Contact PI) 8/14/15-7/31/17

NIH  
The University of Iowa Clinical and Translational Science Award  
Role: Co-Investigator

**D. Invited Presentations** (least to most recent)

<u>Year</u>	<u>Title</u>	<u>Organization</u>
1987	Estimation of the common odds ratio (with KJ Koehler)	Statistical Laboratory Seminar Iowa State University
1987	Computational aspects and statistical applications of the transportation problem of linear programming	Statistical Laboratory Seminar Iowa State University
1990	Overview of fundamental concepts in design and analysis of experiments	Cardiovascular Center University of Iowa
1991	Sample size and power analysis	Clinical Epidemiology Seminar University of Iowa
1993	Use and interpretation of ANOVA for repeated measures studies	Cardiovascular Center University of Iowa
1997	Ask the Statisticians (Principles of Clinical Research)	Cardiovascular Center University of Iowa
2005	Evaluation of Statistical Consulting Programs in an Academic Setting (Discussant)	Joint Statistical Meetings (American Statistical Association)
2008	Teaching Statistics In The Consulting Environment: Experiences At The	Joint Statistical Meetings (American Statistical Association)

	University Of Iowa Biostatistics Consulting Center)	Association)
2010	Introduction to Basic Concepts in Statistics	Institute for Clinical and Translational Science at The University of Iowa
2010	How Many Subjects do I Need? – Issues to Consider in Sample Size Determination	Department of Community and Behavioral Health University of Iowa
2010	Issues to Consider in Sample Size Determination	College of Nursing University of Iowa

### **Conference Presentations/Posters (selected from 2000-2007)**

<u>Year</u>	<u>Title</u>	<u>Organization</u>
2000	Obtaining mortality data using the national death index (Renquist KE, Mason EE, Neuhaus J, Zimmerman B)	American Society for Bariatric Surgery
2001	Dynamic MRI of the Pelvic Floor in Stress Urinary Incontinence: Technique, Normative Data in Continent Women, and Comparison with Physical Examination (Stolpen AH, Hodroff MA, Denson MA, Bolinger L, Zimmerman B, Brown B, Kreder K)	International Society for Magnetic Resonance in Medicine
2002	Age, BMI, and gender determine 30 day complications (Mason EE, Renquist KE, Zimmerman B)	American Society for Bariatric Surgery
2002	Effect of the Fetal Fibronectin Assay on Preterm Labor Management (Hansen H, Lowe MP, Zimmerman B)	Society for Maternal-Fetal Medicine
2002	Metoclopramide Concentraion in Breast Milk of Women Delivering between 23-34 weeks Gestation (Hansen H, Hunter SI, McAndrew S, Harris K, Zimmerman B)	Society for Maternal-Fetal Medicine
2003	Fatigue, Depression, and Biomarkers in Women with Breast Cancer: A Pilot Study. (Piper B, Payne J, Rabinowitz I, Zimmerman MB)	Oncology Nursing Society
2004	Serum Carbamazepine Levels during Pregnancy and Post Partum ( Abbasi G, Berg M, Van Dyke, Zimmerman B, Niebly J)	Society for Maternal-Fetal Medicine

2004	Folate levels during pregnancy and post partum ( Abbasi G, Berg M, Van Dyke, Zimmerman B, Niebly J)	Society for Maternal-Fetal Medicine
2004	Folate levels during pregnancy and post partum ( Abbasi G, Berg M, Van Dyke, Zimmerman B, Niebly J)	Society for Maternal-Fetal Medicine
2004	Influential factors for mortality rates after obesity surgery (Mason EE, Zhang W, Renquist KE, Zimmerman B)	American Society for Bariatric Surgery
2005	Comparison of Pentacam and Orbscan Ilz on Posterior Curvature Topography Measurements in Keratoconus Eyes (Quisling S, Siioberg S, Zimmerman B, Goins K, Sutphin J)	Society of Pediatric Nurses Convention
2005	Association between Valsalva and Cough Leak Point Pressure with Pelvic Organ Prolapse in Female Stress Incontinence (Latini J, Zimmerman MB, Kreder K)	International Continence Society
2005	Fetal Ovine Erythrocyte Zinc Protoporphyrin(ZnPP) as a Developmental Model for Humans (Belsare GN, Schmidt RL, Zimmerman MB, Sear JL, Widness JA)	National Student Forum
2005	Obesity Prevalence Increasing Three Times Faster in High than Low Income Groups: National Health and Nutrition Examination Surveys, 1971 to 2002 (Maheshwari N, Robinson JG, Kohatsu N, Zimmerman B)	AHA Annual Conference on Cardiovascular Disease Epidemiology and Prevention
2005	Randomized controlled trial of long term outcome of biofeedback therapy(BT) for dyssynergic defecation (Rao S, Kinkade K, Miller MJ, Brown CK, Stumbo P, Zimmerman B, Schulze C)	American College of Gastroenterology
2006	Normal Values and the Impact of a Painful Procedure On Salivary Cortisol Levels in Children (Kleiber C, McCarthy AM, Hanrahan K, Lutgendorf S, Tsalikian E, Zimmerman B)	Midwest Nursing Research Society
2006	Bariatric surgery trends: an 18-year report from the International Bariatric Surgery Registry (Samuel I, Mason EE, Renquist K, Huang YH, Zimmerman MB, Jamal M)	Association of VA Surgeons
2006	Diagnosis and Prognosis of	UICC World Cancer Congress

	Glioblastoma Multiforme Utilizing MCM7 and Ki-67 as Tumor Proliferation Markers (Sinnwel MSI, Luo P, Zimmerman MB)	
2007	Parent Distraction During a Peripheral IV Insertion: Cortisol Responsivity and Predictors of Child Distress (McCarthy AM, Hanrahan K, Kleiber C, Zimmerman B)	Society of Pediatric Nurses Convention
2007	Dermatological Problems With Prosthetic Roll-On Liners (Hall MJ, Shurr DG, VanBeek MJ, Zimmerman MB)	American Academy of Orthotists and Prosthetists
2007	Self-medication with herbal therapies: relation to mental illness in American adults (Wallace RB, Zimmerman MB, Ravven S, Gryzlak BM, Nisly NL)	Preventive Medicine
2007	Vaginal Descent and Pelvic Floor Symptoms in Postmenopausal Women: A Longitudinal Study (Bradley CS, Zimmerman MN, Wang Q, Nygaard IE)	American Urogynecologic Society

#### IV. SERVICE

##### A. Offices/appointments held in professional organizations (least to most recent)

1. *Editorships*

<u>Year</u>	<u>Publication</u>
2001-2005	Gynecologic and Obstetric Investigations Associate Editor (statistical reviewer)
  
2. *Departmental, Collegiate or University Service Positions*

<u>Year</u>	<u>Position</u>
2004-2009	Faculty Council (CPH)
2011-2013	
  
3. *Professional Organization (state and/or national)*

<u>Year</u>	<u>Organization</u>	<u>Position</u>
	American Statistical Association	Member

##### B. Other Professional Service (Use only those headings that apply to you)

1. *Referee Manuscripts*

<u>Year</u>	<u>Title</u>
2000-01	Annals of Otolaryngology, Rhinology, and Laryngology
2004	Clinical Orthopaedics and Related Research
2005	Clinical Orthopaedics and Related Research Preventive Medicine
2006	Arteriosclerosis, Thrombosis, and Vascular Biology European Journal Clinical Microbiology & Infectious Diseases Circulation
2007	Arteriosclerosis, Thrombosis, and Vascular Biology Circulation Investigative Ophthalmology and Visual Science

2. *Departmental, Collegiate or University Committees (other than teaching)*

<u>Year</u>	<u>Title</u>
2004-06	Dept Biostatistics Admission Committee
2004	Barnes Award in Biostatistics Committee
2005-06	UI Campus Climate-Working at Iowa Survey Group
2007-08	College of Public Health Dean Search Committee
2007-08	Dept Biostatistics Search Committee
2008-10	UI Working at Iowa Survey Group