

COLLEGE OF PUBLIC HEALTH CURRICULUM VITAE

Miriam Bridget Zimmerman

August 27, 2020

I. EDUCATION AND PROFESSIONAL HISTORY

A. Education

| <u>Institution</u> | <u>Field of Study</u> | <u>Degree Obtained</u> | <u>Degree Date</u> |
|--|---------------------------------------|------------------------|--------------------|
| University of the Philippines at Los Banos | Statistics | BS | 1978 |
| University of the Philippines at Los Banos | Statistics | MS | 1981 |
| Iowa State University | Statistics | MS | 1984 |
| Iowa State University | Statistics and Industrial Engineering | PhD | 1987 |

B. Professional and Academic Positions

| <u>Position Title</u> | <u>Dates of Service</u> | <u>Location/Institution</u> |
|------------------------------|-------------------------|---|
| Programmer | 1978-1979 | Policy and Technical Group, University of the Philippines at Los Banos, Laguna, Philippines |
| Instructor | 1979-1981 | Department of Statistics, University of the Philippines at Los Banos, Laguna, Philippines |
| Programmer | 1980-1981 | Department of Agronomy, University of the Philippines at Los Banos, Laguna, Philippines |
| Teaching Assistant | 1981-1982 | Department of Statistics, State University of New York at Buffalo, Buffalo |
| Research Assistant | 1982-1987 | Department of Statistics, Iowa State University, Ames |
| Visiting Assistant Professor | 1987-1988 | Department of Statistics, University of Iowa, Iowa City |

| <u>Position Title</u> | <u>Dates of Service</u> | <u>Location/Institution</u> |
|---|-------------------------|---|
| Assistant Research Scientist | 1988-1994 | Department of Preventive Medicine, Division of Biostatistics, University of Iowa College of Medicine, Iowa City |
| Director, Biostatistics Consulting Center | 1990-Present | Department of Biostatistics, College of Public Health, University of Iowa, Iowa City |
| Associate Research Scientist | 1995-2003 | Department of Biostatistics, College of Public Health, University of Iowa, Iowa City |
| Clinical Associate Professor | 2003-2008 | Department of Biostatistics, College of Public Health, University of Iowa, Iowa City |
| Adjunct Associate Professor | 2003 | Department of Biostatistics, College of Public Health, University of Iowa, Iowa City |
| Clinical Professor | 2008-Present | Department of Biostatistics, College of Public Health, University of Iowa, Iowa City |
| Associate Director of the ICTS Biostatistics Core | 2009-Present | Institute for Clinical and Translational Science, University of Iowa, Iowa City |

C. Honors, Awards, Recognitions, and Outstanding Achievements

| <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 at Iowa State University |

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 1987 | 22S:120 Probability and Statistics | 3 | 20 | 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 1987 | 22S:39 Probability and Statistics for Engineering and Physical Sciences | 3 | 20 | Primary Instructor | 100% |
| Spring 1988 | 22S:120 Probability and Statistics | 3 | 20 | Primary Instructor | 100% |
| Spring 1988 | 22S:39 Probability and Statistics for Engineering and Physical Sciences | 3 | 20 | Primary Instructor | 100% |
| Spring 2005 | 171:282 Biostat Consulting | 1 | 3 | Primary Instructor | 100% |
| Spring 2006 | 171:282 Biostat Consulting | 1 | 4 | Primary Instructor | 100% |
| Fall 2010 | 173:210 Writing a Research Protocol/ Consultation Session | | | Guest Lecturer | |
| Fall 2011 | 173:210 Writing a Research Protocol/ Consultation Session | | | Guest Lecturer | |
| Spring 2012 | 173:240 Epidemiology II: Advanced Methods | | | Guest Lecturer | |
| Fall 2012 | 173:210 Writing a Research Protocol/ Consultation Session | | | Guest Lecturer | |
| Spring 2013 | 173:240 Epidemiology II: Advanced Methods | | | Guest Lecturer | |
| Spring 2019 | BIOS:6610:0001 Statistical Methods in Clinical Trials | 3 | 4 | Primary Instructor | 100% |
| Spring 2020 | BIOS:6610:0001 Statistical Methods in Clinical Trials | 3 | 17 | Team Teacher | 50% |

2. Other Institutions

| <u>Semester / Year</u> | <u>Course Title/Number</u> | <u>Semester Hours</u> | <u># Students</u> | <u>Role</u> | <u>Percent Responsible</u> | <u>Institution</u> |
|------------------------|---|-----------------------|-------------------|-------------|----------------------------|--|
| June 2007 | Sample Size in Study Design: Examples in Allergy and Immunology | | | | | Allergy and Immunology |
| April 2009 | Using SAS Poc Power | | | | | UI SAS Users Group |
| July 2009 | Intro to SAS Programming | | | | | UI SAS Summer Institute |
| August 2010 | Intro to SAS Programming | | | | | UI SAS Boot Camp |
| August 2011 | Sample Size/Power using SAS | | | | | UI SAS Users Group |
| November 2011 | Statistical Analysis and Sample Size: The Basics | | | | | UI Basic Sciences Postdoc Career Enhancement Group |
| August 2013 | Sample Size/Power using SAS | | | | | UI SAS Users Group |
| April 2015 | Statistical Power and Sample Size Calculations | | | | | UI Basic Sciences Postdoc Career Enhancement Group |

| <u>Semester / Year</u> | <u>Course Title/Number</u> | <u>Semester Hours</u> | <u># Students</u> | <u>Role</u> | <u>Percent Responsible</u> | <u>Institution</u> |
|------------------------|---|-----------------------|-------------------|-------------|----------------------------|--|
| March 2016 | Enhancing the Reproducibility of PreClinical Science through Better Research Design and Reporting | | | | | ICTS Biostatistics Core 3-Part Lecture Series |
| February 2017 | Sample Size and Power | | | | | Ophthalmology Grand Rounds |
| February 2017 | Statistical Analysis: The Basics | | | | | Ophthalmology Grand Rounds |

B. Course Materials (syllabi, instructional web pages, computer lab materials) (Description only - *full materials to be included in promotion dossier*)

III. SCHOLARSHIP

A. Publications or Creative Works

1. Peer-Reviewed Papers

1. Sposito VA, Tirol(Zimmerman) MB (1989). Computational Aspects of the Two-Way Classification Model Under L1. *Computational Statistics Quarterly*, 4:289-298.
2. Zimmerman DL, Zimmerman MB (1991). A Monte Carlo comparison of spatial semivariogram estimators and corresponding ordinary kriging predictors. *Technometrics*, 33:77-91.
3. Brown WK, Zimmerman MB, Jenkins RL, Rhodes WA (1991). Recognizing delinquents who may need special help to avoid criminal conviction in adult life. *Juvenile and Family Court Journal* 24(4):35-40.
4. Pe'er J, Folberg R, Massicotte SJ, Parys-Van Ginderdeuren R, Zimmerman MB, Meyer ML, Worsley H (1992). Clinicopathologic spectrum of primary uveal melanocytic lesions in an animal model. *Ophthalmology* 99(6):977-986. PMID: 1630787
5. Pulido JS, Shires TK, Flynn, Jr. HW, Zimmerman MB, Folk JC, Scott MH (1992). Intravitreal aminoglycoside toxicity revisited. *Archives of Ophthalmology* 110(12):1683-1685. PMID: 1463399

6. Smith RJ, Zimmerman B, Connolly PK, Jerger SW, Yelich A (1992). Screening audiometry using the high risk register in a level III nursery. *Archives of Otolaryngology Head Neck Surgery*, 118:1306-1311. PMID: 1449689
7. Hayreh SS, Zimmerman MB, Podhajsky P (1992). Seasonal variations in the onset of retinal vein occlusion. *British Journal of Ophthalmology* 76(12):706-710. PMID: 1486069
8. Tomanek RJ, Butters CA, Zimmerman MB (1993). Initiation of cardiac hypertrophy in response to thyroxine is not limited by age. *American Journal of Physiology* 264(4 Pt 2):H1041-H1047. PMID: 8476081
9. Hayreh SS, Zimmerman MB, Podhajsky P (1994). Incidence of various types of retinal vein occlusion and their recurrence and demographic characteristics. *American Journal of Ophthalmology* 117(4):429-441. PMID: 8154523
10. Saag KG, Keohnke R, Caldwell JR, Brasington R, Burmeister LF, Zimmerman MB, Kohler J, Furst DE (1994). Low dose long-term corticosteroid therapy in rheumatoid arthritis: An analysis of serious adverse events. *American Journal of Medicine*, 96:115-123. PMID: 8109596
11. Hayreh SS, Zimmerman MB, Podhajsky P, Alward WL (1994). Nocturnal arterial hypotension and its role in optic nerve head and ocular ischemic disorders. *American Journal of Ophthalmology* 117(5):603-624. PMID: 8172267
12. Noyes R, Woodman CL, Holt CS, Reich JH, Zimmerman MB (1995). Avoidant personality traits distinguish social phobic and panic disorder subjects. *Journal of Nervous and Mental Disease* 183(3):145-153. PMID: 7891060
13. Lorenzo JF, Canady JW, Zimmerman MB, Smith RJ (1995). Craniofacial growth in rabbits. Effects of midfacial surgical trauma and rigid plate fixation. *Archives of Otolaryngology Head & Neck Surgery* 121(5):556-561. PMID: 7727090
14. Pinkston DR, Schubkegel AJ, Zimmerman MB, Smith RJ (1995). The effects of sinus surgery on midfacial growth in the rabbit. *American Journal of Rhinology*, 9:115-124.
15. Tobacman JK, Lee P, Zimmerman MB, Kolder H, Hilborne L, Brook R (1996). Assessment of appropriateness of cataract surgery at ten academic medical centers in 1990. *Ophthalmology* 103(2):207-215. PMID: 8594503
16. Canady JW, Wayne I, Fellows DR, Zimmerman MB, Lorenzo JF, Thompson SA (1996). Craniofacial growth in rabbits after rigid or semi-rigid fixation of the frontonasal suture. *Plastic and Reconstructive Surgery* 98(3):410-417; discussion 418-9. PMID: 8700974
17. Dyken ME, Somers VK, Yamada T, Ren ZY, Zimmerman MB (1996). Investigating the relationship between stroke and obstructive sleep apnea. *Stroke* 27(3):401-407. PMID: 8610303
18. Mathers WD, Lane JA, Sutphin JE, Zimmerman MB (1996). Model for ocular tear film function. *Cornea* 15(2):110-119. PMID: 8925657

19. Culp K, Flanigan M, Lowrie EG, Lew N, Zimmerman MB (1996). Modeling mortality risk in hemodialysis patients using laboratory values as time-dependent covariates. *American Journal of Kidney Diseases* 28(5):741-746. PMID: 9158214
20. Mathers WD, Lane JA, Zimmerman MB (1996). Tear film changes associated with normal aging. *Cornea* 15(3):229-234. PMID: 8713923
21. Carlson DW, Alward WL, Barad JP, Zimmerman MB, Carney BL (1997). A randomized study of mitomycin augmentation in combined phacoemulsification and trabeculectomy. *Ophthalmology* 104(4):719-724. PMID: 9111269
22. Mathers WD, Lane JA, Zimmerman MB (1997). Assessment of the tear film with tandem scanning confocal microscopy. *Cornea* 16(2):162-168. PMID: 9071529
23. Hayreh SS, Podhajsky PA, Raman R, Zimmerman MB (1997). Giant cell arteritis: Validity and reliability of various diagnostic criteria. *American Journal of Ophthalmology* 123(3):285-296. PMID: 9063237
24. Soffer EE, Adrian TE, Launspach J, Zimmerman MB (1997). Meal-induced secretion of gastrointestinal regulatory peptides is not affected by sleep. *Neurogastroenterology and Motility* 9(1):7-12. PMID: 9058386
25. Hayreh SS, Podhajsky PA, Zimmerman MB (1997). Nonarteritic anterior ischemic neuropathy-Time of onset of visual loss. *American Journal of Ophthalmology* 124(5):641-647. PMID: 9372718
26. Vandeborne P, Montano N, Zimmerman MB, Pagani M, Somers VK (1997). Relationship between repeated measures of hemodynamics, muscle sympathetic nerve activity, and their spectral oscillations. *Circulation* 96(12):4326-4332. PMID: 9416900
27. Tomanek RJ, Zimmerman MB, Suvarna PR, Morkin E, Pennock GD, Goldman S (1998). A thyroid hormone analog stimulates angiogenesis in the post-infarcted rat heart. *Journal of Molecular and Cellular Cardiology* 30(5):923-932. PMID: 9618233
28. 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 (1998). Cost-identification analysis in oral cavity cancer management. *Otolaryngology-Head and Neck Surgery* 118(2):211-220. PMID: 9482555
29. Murph JR, Souza IE, Dawson JD, Benson P, Petheram SJ, Pfab D, Gregg A, O'Neill ME, Zimmerman MB, 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
30. Rao SS, Welcher K, Zimmerman MB, Stumbo P (1998). Is coffee a colonic stimulant? *European Journal of Gastroenterology & Hepatology* 10(2):113-118.
31. Mathers WD, Stovall D, Lane JA, Zimmerman MB, Johnson S (1998). Menopause and tear function: the influence of prolactin and sex hormones on human tear production. *Cornea* 17(4):353-358. PMID: 9676904

32. Hayreh SS, Podhajsky PA, Zimmerman MB (1998). Occult giant cell arteritis: Ocular manifestations. *American Journal of Ophthalmology* 125(4):521-526. PMID: 9559738
33. Hayreh SS, Podhajsky PA, Zimmerman MB (1998). Ocular manifestations of giant cell arteritis. *American Journal of Ophthalmology* 125(4):509-520. PMID: 9559737
34. Hayreh SS, Jonas JB, Zimmerman MB (1998). Parapapillary chorioretinal atrophy in chronic high-pressure experimental glaucoma in rhesus monkeys. *Investigative Ophthalmology & Visual Science* 39(12):2296-2303. PMID: 9804138
35. Tobacman JK, Zimmerman MB, Lee P, Hilborne L, Kolder H, Brook RH (1998). Visual function impairments in relation to gender, age, and visual acuity in patients who undergo cataract surgery. *Ophthalmology* 105(9):1745-1750. PMID: 9754186
36. Hayreh SS, Podhajsky P, Zimmerman MB (1999). Beta-blocker eyedrops and nocturnal arterial hypotension. *American Journal of Ophthalmology* 128(3):301-309. PMID: 10511024
37. Bale JF, Zimmerman MB, Dawson JD, Souza IE, Petheram SJ, Murph JR (1999). Cytomegalovirus transmission in child care homes. *Archives of Pediatrics & Adolescent Medicine* 153(1):75-79. PMID: 9895003
38. Hayreh SS, Pe'er J, Zimmerman MB (1999). Morphologic changes in chronic high-pressure experimental glaucoma in rhesus monkeys. *Journal of Glaucoma* 8(1):56-71. PMID: 10084276
39. Hayreh SS, Podhajsky P, Zimmerman MB (1999). Ocular and optic nerve head ischemic disorders and hearing loss. *American Journal of Ophthalmology* 128(5):606-611. PMID: 10577529
40. Tobacman JK, Scott IU, Cyphert S, Zimmerman MB (1999). Reproducibility of measures of overuse of cataract surgery by three physician panels. *Medical Care* 37(9):937-945. PMID: 10493471
41. Hayreh SS, Podhajsky P, Zimmerman MB (1999). Role of nocturnal arterial hypotension in optic nerve head ischemic disorders. *Ophthalmologica* 213(2):76-96. PMID: 9885384
42. Herwaldt L, Scholz D, Zimmerman MB, Pfaller MA, Perl TM, Cullen JJ (1999). The economic impact of surgical site infections: A prospective study of outcomes, health care utilization, and hospital costs. *Surgical Forum*, L:680-681.
43. Trigg ME, Peters C, Zimmerman MB (2000). Administration of recombinant human granulocyte-macrophage colony-stimulating factor to children undergoing allogeneic marrow transplantation: a prospective, randomized, double-masked, placebo-controlled trial. *Pediatric Transplantation* 4(2):123-131. PMID: 11272605
44. Arnold DJ, Funk GF, Karnell LH, Chen AH, Hoffman HT, Ricks JM, Zimmerman MB, Corbae DP, Zhen W, McCulloch TM, Graham SM (2000). Laryngeal cancer cost analysis: association of case-mix and treatment characteristics with medical charges. *Laryngoscope* 110(1):1-7. PMID: 10646706
45. Lin JC, Strauss RG, Kulhavy JC, Johnson KJ, Zimmerman MB, Cress GA, Connolly NW, Widness JA (2000). Phlebotomy overdraw in the neonatal intensive care nursery. *Pediatrics* 106(2):E19. PMID: 10920175

46. Lutgendorf SK, Kreder KJ, Rothrock NE, Ratliff TL, Zimmerman MB (2000). Stress and symptomatology in patients with interstitial cystitis: A laboratory stress model. *Journal of Urology*, 164:1265-1269. PMID: 10992377
47. Tobacman JK, Scott IU, Cyphert ST, Zimmerman MB (2001). Comparison of appropriateness ratings for cataract surgery between convened and mail-only multidisciplinary panels. *Medical Decision Making* 21(6):490-497. PMID: 11760106
48. Tobacman JK, Wallace RB, Zimmerman MB (2001). Consumption of carrageenan and other water-soluble polymers used as food additives and incidence of mammary carcinoma. *Medical Hypotheses* 56(5):589-598. PMID: 11388773
49. Rothrock NE, Lutgendorf SK, Kreder KJ, Ratliff TL, Zimmerman MB (2001). Daily stress and symptom exacerbation in interstitial cystitis patients. *Urology* 57(6 Suppl 1):122. PMID: 11378108
50. Hayreh SS, Podhajsky PA, Zimmerman MB (2001). Ipsilateral recurrence of nonarteritic ischemic optic neuropathy. *American Journal of Ophthalmology* 132(5):734-742. PMID: 11704035
51. Kwon YH, Taylor JM, Hong S, Honkanen RA, Zimmerman MB, Alward WL, Sutphin JE (2001). Long-term results of eyes with penetrating keratoplasty and glaucoma drainage tube implant. *Ophthalmology* 108(2):272-278. PMID: 11158798
52. Jogerst G, Daly J, Zimmerman MB (2001). Physician use of and attitudes regarding the minimum data set. *Journal of the American Medical Directors Association* 2(1):4-9. PMID: 12812598
53. Kwon YH, Kim CS, Zimmerman MB, Alward WL, Hayreh SS (2001). Rate of visual field loss and long-term visual outcome in primary open-angle glaucoma. *American Journal of Ophthalmology* 132(1):47-56. PMID: 11438053
54. Rothrock NE, Lutgendorf SK, Kreder KJ, Ratliff T, Zimmerman MB (2001). Stress and symptoms in patients with interstitial cystitis: A life stress model. *Urology* 57(3):422-427. PMID: 11248609
55. Hayreh SS, Zimmerman MB, McCarthy MJ, Podhajsky P (2001). Systemic diseases associated with various types of retinal vein occlusion. *American Journal of Ophthalmology* 131(1):61-77. PMID: 11162981
56. Hunninghake GW, Zimmerman MB, Schwartz DA, King TE, Lynch J, Hegele R, Waldron J, Colby T, Müller N, Lynch D, Galvin J, Gross B, Hogg J, Toews G, Helmers R, Cooper JA, Baughman R, Strange C, Millard M (2001). Utility of a lung biopsy for the diagnosis of idiopathic pulmonary fibrosis. *American Journal of Respiratory and Critical Care Medicine* 164(2):193-196. PMID: 11463586
57. Graul TA, Kwon YH, Zimmerman MB, Kim CS, Sheffield VC, Stone EM, Alward WL (2002). 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(6):884-890. PMID: 12470758

58. Zhang Y, Clark CB, Davies LR, Karlsson G, Zimmerman MB, Kerber R (2002). Body weight is a predictor of biphasic shock success for low energy transthoracic defibrillation. *Resuscitation* 54(3):281-287. PMID: 12204462
59. Lutgendorf SK, Kreder KJ, Rothrock NE, Hoffman A, Kirschbaum C, Sternberg EM, Zimmerman MB, Ratliff TL (2002). Diurnal cortisol variations and symptoms in patients with interstitial cystitis. *Journal of Urology* 167(3):1338-1343. PMID: 11832727
60. Petersen LA, Lindner DS, Kleiber CM, Zimmerman MB, Hinton AT, Yankowitz J (2002). Factors that predict low hematocrit levels in the postpartum patient after vaginal delivery. *American Journal of Obstetrics and Gynecology* 186(4):737-744. PMID: 11967500
61. Hayreh SS, Zimmerman MB, Podhajsky P (2002). Hematologic abnormalities associated with various types of retinal vein occlusion. *Graefes Archive for Clinical and Experimental Ophthalmology* 240(3):180-196. PMID: 11935275
62. Kayali Z, Buckwold VE, Zimmerman MB, Schmidt WN (2002). Hepatitis C, cryoglobulinemia, and cirrhosis: A meta-analysis. *Hepatology* 36(4 Part 1):978-985. PMID: 12297847
63. Perl TM, Cullen JJ, Wenzel RP, Zimmerman MB, Pfaller MA, Sheppard D, Twombly J, French PP, Herwaldt LA (2002). Intranasal mupirocin to prevent postoperative staphylococcus aureus infections. *New England Journal of Medicine* 346(24):1871-1877. PMID: 12063371
64. Pereira ML, Kim CS, Zimmerman MB, Alward WL, Hayreh SS, Kwon YH (2002). Rate and pattern of visual field decline in primary open-angle glaucoma. *Ophthalmology* 109(12):2232-2240. PMID: 12466164
65. Alward WL, Kwon YH, Khanna CL, Johnson AT, Hayreh SS, Zimmerman MB, Narkiewicz J, Andorf JL, Moore PA, Fingert JH, Sheffield VC, Stone EM (2002). Variations in the myocilin gene in patients with open-angle glaucoma. *Archives of Ophthalmology* 120(9):1189-1197. PMID: 12215093
66. Hayreh SS, Zimmerman MB, Kardon RH (2002). Visual improvement with corticosteroid therapy in giant cell arteritis. Report of a large study and review of literature. *Acta Ophthalmologica Scandinavica*, 80:353-367. PMID: 12190776
67. Rao SS, Mudipalli RS, Mujica VR, Patel RS, Clarke WR (2003). Effects of gender and age on esophageal biomechanical properties and sensation. *American Journal of Gastroenterology* 98(8):1688-1695. PMID: 12907320
68. Herwaldt LA, Swartzendruber SK, Zimmerman MB, Scholz DA, Franklin JA, Calderone CA (2003). Hemorrhage after coronary artery bypass graft procedures. *Infection Control and Hospital Epidemiology* 24(1):44-50. PMID: 12558235
69. Brown KE, Khan CM, Zimmerman MB, Brunt EM (2003). Hepatic iron overload in blacks and whites: a comparative autopsy study. *American Journal of Gastroenterology* 98(7):1594-1598. PMID: 12873584
70. Tobacman JK, Whitaker D, Zimmerman MB (2003). Inverse relationship between density of cutaneous hair and pigmented lesion count in patients with malignant melanoma. *Melanoma Research* 13(1):23-27. PMID: 12569281

71. Hayreh SS, Zimmerman MB (2003). Management of giant cell arteritis: Our 27-Year Clinical Study: New Light on Old Controversies. *Ophthalmologica*, 217:239-259. PMID: 12792130
72. Zhang Y, Davies LR, Coddington WJ, Zimmerman MB, Wuthrich S, Jones JL, Kerber RE (2003). Open-chest epicardial "surgical" defibrillation: biphasic versus monophasic waveform shocks. *Pacing and Clinical Electrophysiology* 26(3):711-718. PMID: 12698671
73. Dyken ME, Lin-Dyken DC, Poulton S, Zimmerman MB, Sedars E (2003). Prospective polysomnographic analysis of obstructive sleep apnea in down syndrome. *Archives of Pediatrics & Adolescent Medicine* 157(7):655-660. PMID: 12860786
74. Bergamin O, Zimmerman MB, Kardon RH (2003). Pupil light reflex in normal and diseased eyes: diagnosis of visual dysfunction using waveform partitioning. *Ophthalmology* 110(1):106-114. PMID: 12511354
75. Kwon YH, Kim YI, Pereira ML, Montague PR, Zimmerman MB, Alward WL (2003). Rate of optic disc cup progression in treated primary open-angle glaucoma. *Journal of Glaucoma* 12(5):409-416. PMID: 14520149
76. Zhang Y, Ramabadran RS, Boddicker KA, Bawaney I, Davies LR, Zimmerman MB, Wuthrich S, Jones JL, Kerber RE (2003). Triphasic waveforms are superior to biphasic waveforms for transthoracic defibrillation: experimental studies. *Journal of the American College of Cardiology* 42(3):568-575. PMID: 12906990
77. Tobacman JK, Zimmerman MB, Lee P, Hilborne L, Kolder H, Brook RH (2003). Visual acuity following cataract surgeries in relation to preoperative appropriateness ratings. *Medical Decision Making* 23(2):122-130. PMID: 12693874
78. Hayreh SS, Zimmerman MB (2003). Visual deterioration in giant cell arteritis patients while on high doses of corticosteroid therapy. *Ophthalmology*, 110:1204-1215. PMID: 12799248
79. 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 (2003). Vitreous amino acid concentrations in patients with glaucoma undergoing vitrectomy. *Archives of Ophthalmology* 121(2):183-188. PMID: 12583783
80. Snetselaar LG, Stumbo P, Chenard C, Ahrens L, Smith K, Zimmerman MB (2004). Adolescents eating diets rich in either lean beef or lean poultry and fish reduced fat and saturated fat intake and those eating beef maintained serumferritin status. *Journal of the American Dietetic Association* 104(3):424-428. PMID: 14993866
81. Lutgendorf SK, Latini JM, Rothrock N, Zimmerman MB, Kreder KJ (2004). Autonomic response to stress in interstitial cystitis. *Journal of Urology* 172(1):227-231. PMID: 15201780
82. Hayreh SS, Zimmerman MB, Kimura A, Sanon A (2004). Central retinal artery occlusion. Retinal survival time. *Experimental Eye Research* 78(3):723-736. PMID: 15106952
83. Saltzman CL, Zimmerman MB, Holdsworth RL, Beck S, Hartsell HD, Frantz RA (2004). Effect of initial weight-bearing in a total contact cast on healing of diabetic foot ulcers. *Journal of Bone and Joint Surgery American volume* 86-A(12):2714-2719. PMID: 15590858

84. Tobacman JK, Kissinger P, Wells M, Prokuski J, Hoyer M, McPherson P, Wheeler J, Kron-Chalupa J, Parsons C, Weller P, Zimmerman MB (2004). Implementation of personal health records by case managers in a VAMC general medicine clinic. *Patient Education & Counseling* 54(1):27-33. PMID: 15210257
85. Hayreh SS, Zimmerman MB, Beri M, Podhajsky P (2004). Intraocular pressure abnormalities associated with central and hemicentral retinal vein occlusion. *Ophthalmology* 111(1):133-141. PMID: 14711725
86. Rao SS, Mudipalli RS, Stessman M, Zimmerman MB (2004). Investigation of the utility of colorectal function tests and Rome II criteria in dyssynergic defecation (anismus). *Neurogastroenterology and Motility* 16(5):589-596. PMID: 15500515
87. Voigt MD, Zimmerman MB, Katz DA, Rayhill SC (2004). New national liver transplant allocation policy: Is the regional review board process fair? *Liver Transplantation* 10(5):666-674. PMID: 15108259
88. Hall M, Shurr DG, Zimmerman MB, Saltzman CL (2004). Plantar foot surface temperatures with use of insoles. *The Iowa Orthopaedic Journal*, 24:72-75. PMID: 15296210
89. Lowe MP, Zimmerman MB, Hansen W (2004). 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. PMC: PMC1888418, PMID: 14981374
90. Lichtor JL, Lane BS, Zimmerman MB (2004). Residual sleepiness after N2O sedation: A randomized control trial. *BMC Anesthesiology* 4(1):5. PMC: PMC419701, PMID: 15140266
91. Costello F, Zimmerman MB, Podhajsky PA, Hayreh SS (2004). 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. PMID: 15206651
92. Knecht SI, Estin M, Callaghan JJ, Zimmerman MB, Alliman KJ, Alvine FG, Saltzman CL (2004). The Agility total ankle arthroplasty. Seven to sixteen-year follow-up. *Journal of Bone and Joint Surgery American volume* 86-A(6):1161-1171. PMID: 15173288
93. Jones KB, Maiers-Yelden KA, Marsh JL, Zimmerman MB, Estin M, Saltzman CL (2005). Ankle fractures in patients with diabetes mellitus. *Journal of Bone and Joint Surgery British volume* 87(4):489-495. PMID: 15795198
94. Latini JM, Zimmerman MB, Kreder KJ (2005). 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. PMID: 15758756
95. Hayreh SS, Zimmerman MB (2005). Central retinal artery occlusion: Visual outcome. *American Journal of Ophthalmology* 140(3):376-391. PMID: 16138997
96. Lott DG, Zimmerman MB, Labbé RF, Kling PJ, Widness JA (2005). Erythrocyte zinc protoporphyrin is elevated with prematurity and fetal hypoxemia. *Pediatrics* 116(2):414-422. PMID: 16061597

97. Saltzman CL, Hagy ML, Zimmerman MB, Estin M, Cooper R (2005). How effective is intensive nonoperative initial treatment of patients with diabetes and Charcot arthropathy of the feet? *Clinical Orthopaedics & Related Research*, 435:185-190. PMID: 15930937
98. Boddicker KA, Zhang Y, Zimmerman MB, Davies LR, Kerber RE (2005). Hypothermia improves defibrillation success and resuscitation outcomes from ventricular fibrillation. *Circulation* 111(24):3195-3201. PMID: 15956132
99. Hansen WF, McAndrew S, Harris K, Zimmerman MB (2005). Metoclopramide effect on breastfeeding the preterm infant: a randomized trial. *Obstetrics and Gynecology* 105(2):383-389. PMID: 15684169
100. Kurtz KA, Hoffman HT, Zimmerman MB, Robinson RA (2005). 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. PMID: 15737030
101. Kurtz KA, Hoffman HT, Zimmerman MB, Robinson RA (2005). 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. PMID: 15737030
102. Bell EF, Strauss RG, Widness JA, Mahoney LT, Mock DM, Seward VJ, Cress GA, Johnson KJ, Kromer IJ, Zimmerman MB (2005). Randomized trial of liberal versus restrictive guidelines for red blood cell transfusion in preterm infants. *Pediatrics* 115(6):1685-1691. PMID: 15930233
103. Widness JA, Madan A, Grindeanu LA, Zimmerman MB, Wong DK, Stevenson DK (2005). Reduction in red blood cell transfusions among preterm infants: Results of a randomized trial with an in-line blood gas and chemistry monitor. *Pediatrics* 115(5):1299-1306. PMID: 15867038
104. Ault KA, Allen HK, Phillips SL, Zimmerman MB, Klingelhutz AJ (2005). Telomerase activity as a potential diagnostic marker for triage of abnormal Pap smears. *Journal of Lower Genital Tract Disease* 9(2):93-99. PMC: PMC2223068, PMID: 15870530
105. Lee AG, Zimmerman MB (2005). The rate of visual field loss in optic nerve head drusen. *American Journal of Ophthalmology* 139(6):1062-1066. PMID: 15953437
106. Hayreh SS, Zimmerman MB (2005). Visual field abnormalities in nonarteritic anterior ischemic optic neuropathy - Their pattern and prevalence at initial examination. *Archives of Ophthalmology* 123(11):1554-1562. PMID: 16286618
107. Kwon YH, Rickman DW, Baruah S, Zimmerman MB, Kim CS, Boldt HC, Russell SR, Hayreh SS (2005). Vitreous and retinal amino acid concentrations in experimental central retinal artery occlusion in the primate. *Eye (London, England)* 19(4):455-463. PMID: 15184939
108. Zhang W, Mason EE, Renquist KE, Zimmerman MB (2005). Factors influencing survival following surgical treatment of obesity. *Obesity Surgery* 15(1):43-50. PMID: 16013115
109. Herwaldt LA, Cullen JJ, Scholz D, French P, Zimmerman MB, Pfaller MA, Wenzel RP, Perl TM (2006). A prospective study of outcomes, healthcare resource utilization, and costs

associated with postoperative nosocomial infections. *Infection Control and Hospital Epidemiology* 27(12):1291-1298. PMID: 17152025

110. Samuel I, Mason EE, Renquist KE, Huang YH, Zimmerman MB, Jamal M (2006). Bariatric surgery trends: An 18-year report from the International Bariatric Surgery Registry. *American Journal of Surgery* 192(5):657-662. PMID: 17071202
111. Payne JK, Piper B, Rabinowitz I, Zimmerman MB (2006). Biomarkers, fatigue, sleep, and symptoms in women with breast cancer: A pilot study. *Oncology Nursing Forum* 33(4):775-783. PMID: 16858459
112. McCarthy AM, Kelly MW, Johnson S, Roman J, Zimmerman MB (2006). Changes in medication administered in schools. *Journal of School Nursing* 22(2):102-107. PMID: 16563033
113. Ernst ME, Carter BL, Goerdts CJ, Steffensmeier JJ, Phillips BB, Zimmerman MB, Bergus GR (2006). Comparative antihypertensive effects of hydrochlorothiazide and chlorthalidone on ambulatory and office blood pressure. *Hypertension* 47(3):352-358. PMID: 16432050
114. Quisling S, Sjoberg S, Zimmerman MB, Goins K, Suthpin J (2006). Comparison of Pentacam and Orbscan IIz on posterior curvature topography measurements in keratoconus eyes. *Ophthalmology* 113(9):1629-1632. PMID: 16949447
115. Kurtz KA, Hoffman HT, Zimmerman MB, Robinson RA (2006). Decreased E-cadherin but not beta-catenin expression is associated with vascular invasion and decreased survival in head and neck squamous carcinomas. *Otolaryngology-Head and Neck Surgery* 134(1):142-146. PMID: 16399195
116. Guerin LA, Hoffman HT, Zimmerman MB, Robinson RA (2006). Decreased fragile histidine triad gene protein expression is associated with worse prognosis in oral squamous carcinoma. *Archives of Pathology & Laboratory Medicine* 130(2):158-164. PMID: 16454554
117. Saltzman CL, Zimmerman MB, O'Rourke M, Brown TD, Buckwalter JA, Johnston R (2006). Impact of comorbidities on the measurement of health in patients with ankle osteoarthritis. *Journal of Bone and Joint Surgery American volume* 88(11):2366-2372. PMID: 17079392
118. Lamale LM, Lutgendorf SK, Zimmerman MB, Kreder KJ (2006). Interleukin-6, histamine, and methylhistamine as diagnostic markers for interstitial cystitis. *Urology* 68(4):702-706. PMID: 17070335
119. Folk DE, Thrift DL, Zimmerman MB, Reimann PC (2006). Mammalian activity-rest rhythms in Arctic continuous daylight. *Biological Rhythm Research* 37(6):455-469.
120. Rao SS, Summers RW, Rao GR, Ramana S, Devi U, Zimmerman MB, Pratap BC (2006). Oral rehydration for viral gastroenteritis in adults: A randomized, controlled trial of 3 solutions. *Journal of Parenteral and Enteral Nutrition* 30(5):433-439. PMID: 16931613
121. Uc EY, Stuck LK, Rodnitzky RL, Zimmerman MB, Dobson J, Evans WJ (2006). Predictors of weight loss in Parkinson's disease. *Movement Disorders: Official Journal of the Movement Disorder Society* 21(7):930-936. PMID: 16534756

122. Zhang Y, Rhee B, Davies LR, Zimmerman MB, Snyder D, Jones JL, Kerber RE (2006). Quadriphasic waveforms are superior to triphasic waveforms for transthoracic defibrillation in a cardiac arrest swine model with high impedance. *Resuscitation* 68(2):251-8. PMID: 16325983
123. Lee AG, Boldt HC, Golnik KC, Arnold AC, Oetting TA, Beaver HA, Olson RJ, Zimmerman MB, Carter K (2006). Structured journal club as a tool to teach and assess resident competence in practice-based learning and improvement. *Ophthalmology* 113(3):497-500. PMID: 16458971
124. Abramoff MD, Kwon YH, Ts'o D, Soliz P, Zimmerman MB, Pokomy J, Kardon R (2006). Visual stimulus-induced changes in human near-infrared fundus reflectance. *Investigative Ophthalmology & Visual Science* 47(2):715-721. PMC: PMC1473026, PMID: 16431972
125. Wagoner MD, Al-Swailem SA, Sutphin JE, Zimmerman MB (2007). Bacterial keratitis after penetrating keratoplasty incidence, microbiological profile, graft survival, and visual outcome. *Ophthalmology* 114(6):1073-1079. PMID: 17275089
126. Dinn RB, Zimmerman MB, Shuba LM, Doan AP, Maley MK, Greenlee EC, Alward WL, Kwon YH (2007). Concordance of diurnal intraocular pressure between fellow eyes in primary open-angle glaucoma. *Ophthalmology* 114(5):915-920. PMID: 17467528
127. Wagoner MD, Ba-Abbad R, Sutphin JE, Zimmerman MB (2007). Corneal transplant survival after onset of severe endothelial rejection. *Ophthalmology* 114(9):1630-1636. PMID: 17367863
128. Shuba LM, Doan AP, Maley MK, Zimmerman MB, Dinn RB, Greenlee EC, Alward WL, Kwon YH (2007). Diurnal fluctuation and concordance of intraocular pressure in glaucoma suspects and normal tension glaucoma patients. *Journal of Glaucoma* 16(3):307-312. PMID: 17438425
129. Hayreh SS, Zimmerman MB (2007). Fundus changes in central retinal artery occlusion. *Retina* 27(3):276-289. PMID: 17460582
130. Hayreh SS, Zimmerman MB (2007). Incipient nonarteritic anterior ischemic optic neuropathy. *Ophthalmology* 114(9):1763-72. PMID: 17391767
131. Gryzlak BM, Wallace RB, Zimmerman MB, Nisly NL (2007). National surveillance of herbal dietary supplement exposures: the poison control center experience. *Pharmacoepidemiology and Drug Safety* 16(9):947-957. PMC: PMC2265591, PMID: 17613175
132. Bradley CS, Zimmerman MB, Qi Y, Nygaard IE (2007). Natural history of pelvic organ prolapse in postmenopausal women. *Obstetrics and Gynecology* 109(4):848-854. PMID: 17400845
133. Hayreh SS, Jonas JB, Zimmerman MB (2007). Nonarteritic anterior ischemic optic neuropathy and tobacco smoking. *Ophthalmology* 114(4):804-809. PMID: 17398323
134. Hayreh SS, Zimmerman MB (2007). Optic disc edema in non-arteritic anterior ischemic optic neuropathy. *Graefes Archive for Clinical and Experimental Ophthalmology* 245(8):1107-1121. PMID: 17219123
135. Rao SS, Seaton K, Miller MJ, Schulze K, Brown CK, Paulson J, Zimmerman MB (2007). 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. PMID: 17905054

136. Dornfeld K, Simmons JR, Karnell L, Karnell M, Funk G, Yao M, Wacha J, Zimmerman MB, Buatti JM (2007). 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, Physics* 68(3):750-757. PMID: 17418971
137. Rao SS, Seaton K, Miller M, Brown K, Nygaard I, Stumbo P, Zimmerman MB, Schulze K (2007). Randomized controlled trial of biofeedback, sham feedback, and standard therapy for dyssynergic defecation. *Clinical Gastroenterology and Hepatology* 5(3):331-338. PMID: 17368232
138. Dickson ME, Zimmerman MB, Rahmouni K, Sigmund CD (2007). The -20 and -217 promoter variants dominate differential angiotensinogen haplotype regulation in angiotensinogen-expressing cells. *Hypertension* 49(3):631-639. PMID: 17200439
139. Rao SS, Mudipalli RS, Remes-Troche JM, Utech CL, Zimmerman MB (2007). Theophylline improves esophageal chest pain - A randomized, placebo-controlled study. *American Journal of Gastroenterology* 102(5):930-938. PMID: 17313494
140. Bardia A, Nisly NL, Zimmerman MB, Gryzlak BM, Wallace RB (2007). Use of herbs among adults based on evidence-based indications: findings from the National Health Interview Survey. *Mayo Clinic Proceedings* 82(5):561-566. PMC: PMC1964882, PMID: 17493422
141. Strauss RG, Mock DM, Johnson KJ, Cress GA, Burmeister LF, Zimmerman MB, Bell EF, Rijhsinghani A (2008). 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):658-665. PMC: PMC2883857, PMID: 18194383
142. Wallace RB, Gryzlak BM, Zimmerman MB, Nisly NL (2008). Application of FDA adverse event report data to the surveillance of dietary botanical supplements. *Annals of Pharmacotherapy* 42(5):653-660. PMID: 18397972
143. Gerdner LA, Hart LK, Zimmerman MB (2008). Craniosacral still point technique: exploring its effects in individuals with dementia. *Journal of Gerontological Nursing* 34(3):36-45. PMID: 18350746
144. Lutgendorf SK, Lamkin DM, Degeest K, Anderson B, Dao M, McGinn S, Zimmerman MB, Maiseri H, Sood AK, Lubaroff DM (2008). Depressed and anxious mood and T-cell cytokine expressing populations in ovarian cancer patients. *Brain Behavior and Immunity* 22(6):890-900. PMC: PMC2605940, PMID: 18276105
145. Choi YK, Kraft N, Zimmerman MB, Jackson M, Rao SS (2008). Fructose intolerance in IBS and utility of fructose-restricted diet. *Journal of Clinical Gastroenterology* 42(3):233-238. PMID: 18223504
146. Hayreh SS, Zimmerman MB (2008). Non-arteritic anterior ischemic optic neuropathy: Role of systemic corticosteroid therapy. *Graefes Archive for Clinical and Experimental Ophthalmology* 46(7):1029-1046. PMC: PMC2712323, PMID: 18404273

147. Hayreh SS, Zimmerman MB (2008). Nonarteritic anterior ischemic optic neuropathy: Clinical characteristics in diabetic patients versus nondiabetic patients. *Ophthalmology* 115(10):1818-1825. PMID: 18502511
148. Hayreh SS, Zimmerman MB (2008). Nonarteritic anterior ischemic optic neuropathy: Natural history of visual outcome. *Ophthalmology* 115(2):298-305.e2. PMC: PMC2782939, PMID: 17698200
149. Hayreh SS, Zimmerman MB (2008). Nonarteritic anterior ischemic optic neuropathy: Refractive error and its relationship to cup/disc ratio. *Ophthalmology* 115(12):2275-2281. PMID: 19041480
150. Tanaka MJ, Gryzlak BM, Zimmerman MB, Nisly NL, Wallace RB (2008). Patterns of natural herb use by Asian and Pacific Islanders. *Ethnicity & Health* 13(2):93-108. PMID: 18425709
151. Bradley CS, Zimmerman MB, Wang Q, Nygaard IE (2008). Vaginal descent and pelvic floor symptoms in postmenopausal women: A longitudinal study. *Obstetrics and Gynecology* 111(5):1148-1153. PMID: 18448748
152. Swingle HM, Colaizy TT, Zimmerman MB, Morriss FH (2009). Abortion and the risk of subsequent preterm birth: a systematic review with meta-analyses. *Journal of Reproductive Medicine* 54(2):95-108. PMID: 19301572
153. Singh M, Zimmerman MB, Beltz TG, Johnson AK (2009). Affect-related behaviors in mice misexpressing the RNA editing enzyme ADAR2. *Physiology & Behavior* 97(3-4):446-454. PMC: PMC2778280, PMID: 19361536
154. Hayreh SS, Podhajsky PA, Zimmerman MB (2009). Branch retinal artery occlusion: Natural history of visual outcome. *Ophthalmology* 116(6):1188-1194.e1-4. PMC: PMC2759688, PMID: 19376586
155. Rao SS, Paulson J, Mata M, Zimmerman MB (2009). Clinical Trial: Effects of botulinum toxin on Levator Ani Syndrome: A double blind, placebo-controlled study. *Alimentary Pharmacology & Therapeutics* 29(9):985-991. PMC: PMC2730637, PMID: 19222415
156. Mendoza-Lattes S, Weiss A, Found E, Zimmerman MB, Gao Y (2009). Comparable effectiveness of caudal vs. trans-foraminal epidural steroid injections. *The Iowa Orthopaedic Journal*, 29:91-96. PMC: PMC2723700, PMID: 19742093
157. Smith MC, Zimmerman MB, Burke DK, Bauman NM, Sato Y, Smith RJ (2009). Efficacy and safety of OK-432 immunotherapy of lymphatic malformations. *Laryngoscope* 119(1):107-115. PMID: 19117316
158. Lamkin DM, Spitz DR, Shahzad MM, Zimmerman MB, Lenihan DJ, Degeest K, Lubaroff DM, Shinn EH, Sood AK, Lutgendorf SK (2009). Glucose as a prognostic factor in ovarian carcinoma. *Cancer* 115(5):1021-1027. PMC: PMC2649990, PMID: 19156916
159. Calarge CA, Ellingrod VL, Zimmerman MB, Acion L, Sivitz WI, Schlechte JA (2009). Leptin gene -2548G/A variants predict risperidone-associated weight gain in children and adolescents. *Psychiatric Genetics* 19(6):320-327. PMC: PMC2919234, PMID: 19873684

160. McCarthy AM, Hanrahand K, Kleiber C, Zimmerman MB, Lutgendorf S, Tsalikian E (2009). Normative salivary cortisol values and responsivity in children. *Applied Nursing Research* 22(1):54-62. PMC: PMC2650745, PMID: 19171296
161. Wagoner MD, Ba-Abbad R, Al-Mohaimed M, Al-Swailem S, Zimmerman MB (2009). Postoperative complications after primary adult optical penetrating keratoplasty: Prevalence and impact on graft survival. *Cornea* 28(4):385-394. PMID: 19411956
162. Hayreh SS, Podhajsky PA, Zimmerman MB (2009). Retinal artery occlusion: associated systemic and ophthalmic abnormalities. *Ophthalmology* 116(10):1928-1936. PMC: PMC2757505, PMID: 19577305
163. Brooks L, Zhang Y, Dendi R, Anderson RH, Zimmerman MB, Kerber RE (2009). Selecting the transthoracic defibrillation shock directional vector based on VF amplitude improves shock success. *Journal of Cardiovascular Electrophysiology* 20(9):1032-1038. PMID: 19460079
164. Specht J, Bossen A, Hall GR, Zimmerman MB, Russell J (2009). 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. PMID: 19246574
165. Kwon YH, Adix M, Zimmerman MB, Piette S, Greenlee EC, Alward WL, Abramoff MD (2009). Variance owing to observer, repeat imaging, and fundus camera type on cup-to-disc ratio estimates by stereo planimetry. *Journal of Glaucoma* 18(4):305-310. PMID: 19365196
166. Calarge CA, Zimmerman MB, Xie D, Kuperman S, Schlechte JA (2010). 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. PMC: PMC2845988, PMID: 20331935
167. Mains L, Zimmerman MB, Blaine J, Stegmann B, Sparks A, Ansley T, Van Voorhis B (2010). Achievement test performance in children conceived by IVF. *Human Reproduction* 25(10):2605-2611. PMID: 20716561
168. Karafin M, St Louis EK, Zimmerman MB, Sparks JD, Granner MA (2010). Bimodal ultradian seizure periodicity in human mesial temporal lobe epilepsy. *Seizure* 19(6):347-351. PMC: PMC2921217, PMID: 20580271
169. Nisly NL, Gryzlak BM, Zimmerman MB, Wallace RB (2010). Dietary supplement polypharmacy: An unrecognized public health problem? *Journal of Evidence-Based Complementary & Alternative Medicine* 7(1):107-113. PMC: PMC2816386, PMID: 18955288
170. Weinrib AZ, Sephton SE, Degeest K, Penedo F, Bender D, Zimmerman MB, Kirschbaum C, Sood AK, Lubaroff DM, Lutgendorf SK (2010). Diurnal cortisol dysregulation, functional disability, and depression in women with ovarian cancer. *Cancer* 116(18):4410-4419. PMC: PMC3118555, PMID: 20564155
171. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Westhus N, Allen S (2010). Factors explaining children's responses to intravenous needle insertions. *Nursing Research* 59(6):407-416. PMC: PMC3546606, PMID: 20962698

172. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Westhus N, Allen S (2010). Impact of parent-provided distraction on child responses to an IV insertion. *Children's Health Care* 29(2):125-141. PMC: PMC3106296, PMID: 21643530
173. Rao SS, Valestin J, Brown CK, Zimmerman MB, Schulze K (2010). Long-term efficacy of biofeedback therapy for dyssynergic defecation: Randomized controlled trial. *American Journal of Gastroenterology* 105(4):890-896. PMC: PMC3910270, PMID: 20179692
174. Mock DM, Matthews NI, Zhu S, Burmeister LF, Zimmerman MB, Strauss RG, Schmidt RL, Nalbant D, Freise KJ, Veng-Pedersen P, Widness JA (2010). 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):2553-2564. PMC: PMC2974037, PMID: 20561297
175. Ravven SE, Zimmerman MB, Schultz SK, Wallace RB (2011). 12-month herbal medicine use for mental health from the national Comorbidity Survey Replication (NCS-R). *Annals of Clinical Psychiatry* 23(2):83-94. PMID: 21547268
176. Simon CM, L'heureux J, Murray JC, Winokur P, Weiner G, Newbury E, Shinkunas L, Zimmerman MB (2011). Active choice but not too active: Public perspectives on biobank consent models. *Genetics in Medicine* 13(9):821-831. PMC: PMC3658114, PMID: 21555942
177. Fredrickson LK, Bell EF, Cress GA, Johnson KJ, Zimmerman MB, Mahoney LT, Widness JA, Strauss RG (2011). Acute physiological effects of packed red blood cell transfusion in preterm infants with different degrees of anaemia. *Archives of Disease in Childhood. Fetal Neonatal Edition* 96(4):F249-F253. PMC: PMC3114194, PMID: 21097838
178. Singh M, Singh MM, Na E, Agassandian K, Zimmerman MB, Johnson AK (2011). Altered ADAR 2 equilibrium and 5HT(2C) R editing in the prefrontal cortex of ADAR 2 transgenic mice. *Genes, Brain, and Behavior* 10(6):637-647. PMC: PMC3150620, PMID: 21615684
179. Hayreh SS, Podhajsky PA, Zimmerman MB (2011). Central and hemicentral retinal vein occlusion: role of anti-platelet aggregation agents and anticoagulants. *Ophthalmology* 118(8):1603-1611. PMC: PMC3150626, PMID: 21704382
180. Mehra R, Tsalikian E, Chenard CA, Zimmerman MB, Sivitz WI (2011). Feeding frequency and appetite in lean and obese prepubertal children. *Obesity (Silver Spring, MD)* 19(3):560-567. PMID: 20847731
181. Nopoulos PC, Conrad AL, Bell EF, Strauss RG, Widness JA, Magnotta VA, Zimmerman MB, Georgieff MK, Lindgren SD, Richman LC (2011). Long-term outcome of brain structure in premature infants: Effects of liberal vs restricted red blood cell transfusions. *Archives of Pediatrics & Adolescent Medicine* 165(5):443-450. PMC: PMC3622941, PMID: 21199970
182. Hayreh SS, Podhajsky PA, Zimmerman MB (2011). Natural history of visual outcome in central retinal vein occlusion. *Ophthalmology* 118(1):119-133.e1-2. PMC: PMC2989417, PMID: 20723991
183. Segal NA, Zimmerman MB, Brubaker M, Torner JC (2011). 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; quiz 323. PMC: PMC3080113, PMID: 21497317

184. Mock DM, Matthews NI, Zhu S, Burmeister LF, Zimmerman MB, Strauss RG, Schmidt RL, Nalbant D, Cress GA, Widness JA (2011). Red blood cell (RBC) volume can be independently determined in vivo in humans using RBCs labeled at different densities of biotin. *Transfusion* 51(1):148-157. PMC: PMC2974011, PMID: 20630041
185. McCarthy AM, Hanrahan K, Scott LM, Zemblidge N, Kleiber C, Zimmerman MB (2011). Salivary cortisol responsivity to an intravenous catheter insertion in children with attention-deficit/hyperactivity disorder. *Jou Pediatr Psychol* 36(8):902-910. PMC: PMC3202938, PMID: 21389037
186. Ko AC, Brinton JP, Mahajan VB, Zimmerman MB, Brinton GS, Stone EM, Folk JC, Mullins RF (2011). Seroreactivity against aqueous-soluble and detergent-soluble retinal proteins in posterior uveitis. *Archives of Ophthalmology* 129(4):415-420. PMID: 21482867
187. Hegg R, Lee AG, Tagg NT, Zimmerman MB (2011). Statin or nonsteroidal anti-inflammatory drug use is associated with lower erythrocyte sedimentation rate in patients with giant cell arteritis. *Journal of Neuro-Ophthalmology* 31(2):135-138. PMID: 21358421
188. Calarge CA, Ellingrod VL, Zimmerman MB, Bliziotis MM, Schlechte JA (2011). 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):1685-1690. PMC: PMC3653135, PMID: 22244026
189. Martini S, Van Voorhis BJ, Stegmann BJ, Sparks AE, Shochet T, Zimmerman MB, Ryan GL (2011). In vitro fertilization patients support a single blastocyst transfer policy. *Fertility and Sterility* 96(4):993-997. PMID: 21868000
190. 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 (2012). A multicenter analysis of the ophthalmic knowledge assessment program and American Board of Ophthalmology written qualifying examination performance *Ophthalmology* 119(10):1949-1953. PMID: 22841987
191. Sandesara CM, Chung MK, Van Wagoner DR, Barringer TA, Allen K, Ismail HM, Zimmerman MB, Olshansky B (2012). 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 Association* 1(3):e000547. PMC: PMC3487324, PMID: 23130134
192. Kitzmann AS, Fethke NB, Baratz KH, Zimmerman MB, Hackbarth DJ, Gehrs GM (2012). A survey study of musculoskeletal disorders among eye care physicians compared with family medicine physicians. *Ophthalmology* 119(2):213-220. PMID: 21925736
193. Hanrahan K, McCarthy AM, Kleiber C, Ataman K, Street N, Zimmerman MB, Ersig AL (2012). Building a computer program to support children, parents, and distraction during healthcare procedures. *Computers, Informatics, Nursing* 30(10):554-561. PMC: PMC3477263, PMID: 22805121
194. Mock DM, Matthews NI, Zhu S, Strauss RG, Schmidt RL, Zimmerman MB, Nalbant D, Freise KJ, Saleh M, Veng-Pedersen P, Widness JA (2012). Comparison of red blood cell survival in sheep determined using red blood cells labeled with either biotin at multiple densities or

[14C]cyanate: validation of a model to study human physiology and disease *Transfusion* 52(5):963-973. PMC: PMC3564637, PMID: 22229348

195. Harland KK, Saftlas AS, Wallis AB, Yankowitz J, Triche W, Zimmerman MB (2012). Correction of systematic bias in ultrasound dating in studies of small-for-gestational-age birth: An example from the Iowa Health in Pregnancy Study. *American Journal of Epidemiology* 176(5):443-455. PMC: PMC3499119, PMID: 22886591
196. Calarge CA, Nicol G, Xie D, Zimmerman MB (2012). Correlates of weight gain during long-term risperidone treatment in children and adolescents. *Child and Adolescent Psychiatry and Mental Health* 6(1):21. PMC: PMC3489823, PMID: 22643087
197. Hayreh SS, Zimmerman MB (2012). Hemicentral retinal vein occlusion: Natural history of visual outcome. *Retina* 32(1):68-76. PMID: 21878854
198. Geraldeli S, Li Y, Hogan MM, Tjaderhane LS, Pashley DH, Morgan TA, Zimmerman MB, Brogan KA (2012). Inflammatory mediators in fluid extracted from the coronal occlusal dentine of trimmed teeth. *Archives of Oral Biology* 57(3):264-270. PMC: PMC3247661, PMID: 21930261
199. Turner CA, Xie D, Zimmerman MB, Calarge CA (2012). Iron status in toddlerhood predicts sensitivity to psychostimulants in children. *Journal of Attention Disorders* 16(4):295-303. PMC: PMC3556512, PMID: 20978274
200. Heyreh SS, Zimmerman MB (2012). Ocular neovascularization associated with central and hemicentral retinal vein occlusion. *Retina* 32(8):1553-1565. PMID: 22495331
201. Rakel BA, Blodgett NP, Zimmerman MB, Logsdan-Sackett N, Clark C, Noiseux N, Callaghan J, Herr H, Geasland K, Yang XY, Sluka KA (2012). Predictors of postoperative movement and resting pain following total knee replacement. *Pain* 153(11):2192-2203. PMC: PMC3472094, PMID: 22840570
202. Allen RC, Zimmerman MB, Watterberg EA, Morrison LA (2012). Primary bilateral silicone frontalis suspension for good levator function ptosis in oculopharyngeal muscular dystrophy. *British Journal of Ophthalmology* 96(6):841-845. PMID: 22493036
203. Abu Hejleh T, Deyong BR, Engleman E, Deutsch JM, Zimmerman MB, Halfdanarson TR, Berg DJ, Parekh KR, Lynch WR, Iannettoni MD, Bhatia S, Clamon G (2012). Relationship between HER-2 overexpression and brain metastasis in esophageal cancer patients. *World Journal of Gastrointestinal Oncology* 45(5):103-108. PMC: PMC3360103, PMID: 22645633
204. Hayreh SS, Zimmerman MB, Podhajsky PA (2012). Retinal vein occlusion and the optic disk. *Retina* 32(10):2108-2118. PMID: 22914682
205. Lutgendorf SK, DeGeest K, Bender D, Ahmed A, Goodheart MJ, Dahmouh L, Zimmerman MB, Penedo FJ, Lucci JA, Ganjei-Azar P, Thaker PH, Mendez, Lubaroff DM, Slavich GM, Cole SW, Sood AK (2012). Social influences on clinical outcomes of patients with ovarian cancer. *Journal of Clinical Psychology* 30(23):2885-2890. PMC: PMC3410403, PMID: 22802321

206. Shafi S, Zimmerman MB, Kalil R (2012). Temporary inactive status on renal transplant waiting list: causes, risk factors, and outcomes. *Transplantation Proceedings* 44(5):1236-1240. PMID: 22663992
207. Vance CG, Rakel BA, Blodgett NP, DeSantana JM, Amendola A, Zimmerman MB, Walsh DM, Sluka KA (2012). Effects of transcutaneous electrical nerve stimulation on pain, pain sensitivity, and function in people with knee osteoarthritis: A randomized controlled trial. *Journal of Orthopaedic and Sports Physical Therapy* 92(7):898-910. PMC: PMC3386514, PMID: 22466027
208. Stevens M, Zimmerman MB, Fasano MB (2013). Assessment of health literacy and asthma outcomes in the primary care setting. *The Journal of Allergy and Clinical Immunology* 131(2 Supplement):AB161.
209. Nalbant D, Bhandary P, Matthews NI, Schmidt RL, Bogusiewicz A, Cress GA, Zimmerman MB, Strauss RG, Mock DM, Widness JA (2013). Comparison of multiple red cell volume methods performed concurrently in premature infants following allogeneic transfusion. *Pediatric Research* 74(5):592-600. PMC: PMC3907947, PMID: 24088873
210. Amendola RL, Reinhardt JM, Sato Y, Zimmerman MB, Diggelmann HR, Kacmarynski D (2013). Graph-based segmentation of the pediatric trachea in MR images to model growth. *Proceedings SPIE 8672, Medical Imaging 2013: Biomedical Applications in Molecular, Structural, and Functional Imaging*
211. Akubuiro A, Zimmerman MB, Boles Ponto LL, Walsh SA, Subderland J, McCormick L, Singh M (2013). Hyperactive hypothalamus, motivated and non-distractible chronic overeating in ADAR2 transgenic mice. *Genes, Brain and Behavior* 12(3):311-322. PMID: 23323881
212. Lutgendorf SK, Slavich GM, DeGeest K, Goodheart M, Bender D, Thaker PH, Penedo F, Zimmerman MB, Lucci J, Mendez L, Collins K, Sood AK (2013). Non-cancer life stressors contribute to impaired quality of life in ovarian cancer patients. *Gynecologic Oncology* 131(3):667-673. PMC: PMC3882020, PMID: 24096110
213. Weiss RM, Lund DD, Chu Y, Brooks RM, Zimmerman KA, Accaoui RE, Davis MK, Hajj GP, Zimmerman MB, Heistad DD (2013). Osteoprotegerin inhibits aortic valve calcification and preserves valve function in hypercholesterolemic mice. *PLoS One* 8(6):e65201. PMC: PMC3675204, PMID: 23762316
214. Longmuir SQ, Boese EA, Pfeifer W, Zimmerman MB, Short L, Scott WE (2013). Practical community photoscreening in very young children. *Pediatrics* 131(3):e764-769. PMID: 23400603
215. Pedersen M, Doyle MR, Beste A, Diekema DJ, Zimmerman MB, Herwaldt LA (2013). Survey of high school athletic programs in Iowa regarding infections and infection prevention policies and practices *The Iowa Orthopaedic Journal*, 33:107-113. PMC: PMC3748864, PMID: 24027469
216. Vyas A, Swaminathan D, Zimmerman MB, Olshansky B (2013). Are treatments for vasovagal syncope effective? A meta-analysis. *International Journal of Cardiology* 167(5):1906-1911. PMID: 22626839

217. Singh SB, Weinberger MM, Zimmerman MB, Starner TD (2013). Growth of preschool age children receiving daily inhaled corticosteroids. *Allergy and Asthma Proceedings* 34(6):511-518. PMID: 24169058
218. Heyreh SS, Zimmerman MB (2013). Bilateral nonarteritic anterior ischemic optic neuropathy: Comparison of visual outcome in the two eyes. *Journal of Neuroophthalmology* 33(4):338-343. PMID: 23838766
219. Widness JA, Nalbant D, Matthews NI, Strauss RG, Schmidt RL, Cress GA, Zimmerman MB, Mock DM (2013). Tracking donor RBC survival in premature infants: Agreement of multiple populations of biotin-labeled RBCs with Kidd antigen-mismatched RBCs. *Pediatric Research* 74(6):689-697. PMC: PMC3913052, PMID: 24108188
220. Khan I, Zimmerman MB, Brophy P, Kamath S (2014). Masking of syndrome of inappropriate antidiuretic hormone secretion: the isonatremic syndrome. *Journal of Pediatrics* 165(4):722-726. PMID: 24996987
221. Kumar AB, Zimmerman MB, Suneja M (2014). Obesity and post-cardiopulmonary bypass-associated acute kidney injury: A single-center retrospective analysis. *Journal of Cardiothoracic and Vascular Anesthesia* 28(3):551-556. PMID: 24075942
222. Tracy CR, Henning JR, Newton MR, Aviram M, Zimmerman MB (2014). 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):401-408. PMID: 25085198
223. Longmuir SQ, Oral R, Walz AE, Kemp PS, Ryba J, Zimmerman MB, Abramoff MD (2014). Quantitative measurement of retinal hemorrhages in suspected victims of child abuse. *Journal of AAPOS* 18(6):529-533. PMID: 25456029
224. Heyreh SS, Zimmerman MB (2014). Amaurosis fugax in ocular vascular occlusive disorders: Prevalence in pathogenesis. *Retina* 34(1):115-122. PMID: 23632956
225. Heyreh SS, Zimmerman MB (2014). Branch retinal vein occlusion: natural history of visual outcome. *JAMA Ophthalmology* 132(1):13-22. PMID: 24158729
226. Metcalf KM, Singhvi A, Tsalikian E, Tansey MJ, Zimmerman MB, Esliger DW, Janz KF (2014). 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):1272-1278. PMC: PMC3994939, PMID: 24574352
227. Bisht B, Darling WG, Grossmann RE, Shivapour ET, Lutgendorf SK, Snetselaar LG, Hall MJ, Zimmerman MB, Wahls TL (2014). A multimodal intervention for patients with secondary progressive multiple sclerosis: feasibility and effect on fatigue. *Journal of Alternative and Complementary Medicine* 20(5):347-355. PMC: PMC4011484, PMID: 24476345
228. Singhvi A, Tansey MJ, Janz K, Zimmerman MB, Tsalikian E (2014). Aerobic fitness and glycemic variability in adolescents with type 1 diabetes. *Endocrine Practice* 20(6):566-570. PMID: 24449660

229. Noiseux NO, Callaghan JJ, Clark CR, Zimmerman MB, Sluka KA, Rakel BA (2014). Preoperative predictors of pain following total knee arthroplasty. *Journal of Arthroplasty* 29(7):1383-1387. PMC: PMC4065835, PMID: 24630598
230. Amendola RL, Reinhardt JM, Zimmerman MB, Sato Y, Diggelmann HR, Kacmarynski DS (2014). Development of a preliminary pediatric tracheal growth model from magnetic resonance images. *Laryngoscope* 124(8):1947-1951. PMID: 24307560
231. Ward MS, Goins KM, Greiner MA, Kitzmann AS, Sutphin JE, Alward WL, Greenlee EC, Kwon YH, Zimmerman MB, Wagoner MD (2014). Graft survival versus glaucoma treatment after penetrating or Descemet stripping automated endothelial keratoplasty. *Cornea* 33(8):785-789. PMID: 24915017
232. McCarthy AM, Kleiber C, Hanrahan K, Zimmerman MB, Ersig A, Westhus N, Allen S (2014). Matching doses of distraction with child risk for distress during a medical procedure: a randomized clinical trial. *Nursing Research*, 63(6):397-407. PMC: PMC4282990, PMID: 25350539
233. Greiner MA, Rixen JJ, Wagoner MD, Schmidt GA, Stoeger CG, Straiko MD, Zimmerman MB, Kitzmann AS, Goins KM (2014). Diabetes mellitus increases risk of unsuccessful graft preparation in Descemet membrane endothelial keratoplasty: a multicenter study. *Cornea*, 33(11):1129-33. PMID: 25222000
234. Kelchen MN, Holdren GO, Farley MJ, Zimmerman MB, Fairley JA, Brogden NK (2014). Optimization of impedance spectroscopy techniques for measuring cutaneous micropore formation after microneedle treatment in an elderly population. *Pharmaceutical Research* 131(12):3478-3486. PMID: 24947437
235. Rakel BA, Zimmerman MB, Geasland K, Embree J, Clark CR, Noiseux NO, Callaghan JJ, Herr K, Walsh D, Sluka KA (2014). Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty: A randomized, blinded, placebo-controlled trial. *Pain* 155(12):2599-2611. PMC: PMC4250415, PMID: 25270585
236. Wibbenmeyer L, Eid A, Kluesner K, Heard J, Zimmerman MB, Kealey GP, Brennan T (2015). An evaluation of factors related to postoperative pain control in burn patients. *Journal of Burn Care & Research* 36(5):580-586. PMID: 26335109
237. Noehren B, Dailey DL, Rakel BA, Vance CG, Zimmerman MB, Crofford LJ, Sluka KA (2015). 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):129-140. PMC: PMC4295083, PMID: 25212518
238. Heyreh SS, Zimmerman MB (2015). Fundus changes in central retinal vein occlusion. *Retina* 35(1):29-42. PMC: PMC4276535, PMID: 25084156
239. Crockett CD, Bertrand LA, Cooper CS, Rahhal RM, Liu K, Zimmerman MB, Moore SA, Matthews KD (2015). Urologic and gastrointestinal symptoms in the dystroglycanopathies. *Neurology* 84(5):532-539. PMC: PMC4336067, PMID: 25568299
240. Wibbenmeyer L, Oltrogge K, Kluesner K, Zimmerman MB, Kealey PG (2015). An evaluation of discharge opioid prescribing practices in a burn population. *Journal of Burn Care Research* 36(2):329-335. PMID: 25680091

241. Vislisel JM, Liaboe CA, Wagoner MD, Goins KM, Sutphin JE, Schmidt GA, Zimmerman MB, Greiner MA (2015). Graft survival of diabetic versus nondiabetic donor tissue after initial keratoplasty. *Cornea* 34(4):370-374. PMID: 25642643
242. Rakel B, Vance C, Zimmerman MB, Petsas-Blodgett N, Amendola A, Sluka KA (2015). Mechanical hyperalgesia and reduced quality of life occur in people with mild knee osteoarthritis pain. *Clinical Journal of Pain* 31(4):315-322. PMID: 24866856
243. Boyer EM, Thompson N, Hill T, Zimmerman MB (2015). The relationship between methamphetamine use and dental caries and missing teeth. *Journal of Dental Hygiene* 89(2):119-131. PMID: 25883373
244. Allen RC, Hong ES, Zimmerman MB, Morrison LA, Nerad JA, Carter KD (2015). Factors affecting eyelid crease formation before and after silicone frontalis suspension for adult-onset myogenic ptosis. *Ophthalmic Plastic Reconstructive Surgery* 31(3):227-232. PMID: 25198392
245. Heyreh SS, Zimmerman MB (2015). Fundus changes in branch retinal vein occlusion. *Retina* 35(5):1016-1027. PMC: PMC4408204, PMID: 25574785
246. Greiner MA, Burckart KA, Wagoner MD, Schmidt GA, Reed CR, Liaboe CA, Flamme-Wiese MJ, Zimmerman MB, Mullins RF, Kardon RH (2015). Regional assessment of energy-producing metabolic activity in the endothelium of donor corneas. *Investigative Ophthalmology & Visual Science* 56(5):2803-2810. PMID: 26024071
247. Swift SH, Zimmerman MB, Hardy-Fairbanks AJ (2015). Effect of single-use negative pressure wound therapy on postcesarean infections and wound complications for highRisk patients. *The Journal of Reproductive Medicine*, 60(5-6):211-8. PMID: 26126306
248. Cherfane CE, Gessel L, Cirillo D, Zimmerman MB, (2015). Monocytosis and a low lymphocyte to monocyte ratio are effective biomarkers of ulcerative colitis disease activity. *Inflammatory Bowel Diseases* 21(8):1769-1775. PMID: 25993688
249. Hayreh SS, Zimmerman MB (2015). Fundus changes in branch retinal arteriolar occlusion. *Retina (Philadelphia, Pa.)*, 35(10):2060-6. PMID: 26274038
250. Widness JA, Kuruvilla DJ, Mock DM, Matthews NI, Cress GA, Schmidt RL, Strauss RG, Zimmerman MB, Veng-Pedersen P (2015). Autologous infant and allogeneic adult red cells demonstrate similar concurrent post-transfusion survival in very low birth weight neonates. *Journal of Pediatrics* 167(5):1001-1006. PMC: PMC4661104, PMID: 26363547
251. Hindman BJ, From RP, Fontes RB, Traynelis VC, Todd MM, Zimmerman MB, Puttlitz CM, Santoni BG (2015). 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):1042-1058. PMC: PMC4618231, PMID: 26288267
252. Aldrich BT, Stockman AM, Freiburger MJ, Shinkunas TJ, Burckart KA, Schmidt GA, Reed CR, Zimmerman MB, Goins KM, Wagoner MD, Greiner MA (2015). A simple and reliable technique to orient donor corneal tissue using the radial width of the surgical limbus. *Cornea* 34(12):1632-1636. PMID: 26488631

253. Darbro BW, Singh R, Zimmerman MB, Mahajan VB, Bassuk AG (2016). Autism linked to increased oncogene mutations but decreased cancer rate. *PLoS One* 11(3):e0149041. PMC: PMC4774916, PMID: 26934580
254. Kalil GZ, Recober A, Hoang-Tienor A, Zimmerman MB, Haynes WG, Pierce GL (2016). Higher augmentation index is associated with tension-type headache and migraine in middle-aged/older humans with obesity. *Obesity (Silver Spring)*, 24(4):865-870. PMID: 26847595
255. Brumbaugh JE, Conrad AL, Lee JK, DeVolder IJ, Zimmerman MB, Magnotta VA, Axelson ED, Nopoulos PC (2016). Altered brain function, structure, and developmental trajectory in children born late preterm. *Pediatric Research* 80(2):197-203. PMC: PMC4990473, PMID: 27064239
256. Anderson R, Kleiber C, Greiner J, Comried L, Zimmerman M (2016). Interface pressure redistribution on skin during continuous lateral rotation therapy: A feasibility study. *Heart Lung*, 45(3):237-243. PMID: 26992481
257. Frey-Law LA, Bohr NL, Sluka KS, Herr K, Clark CR, Noiseux NO, Callaghan JJ, Zimmerman MB, Rakel BS (2016). Pain sensitivity profiles in patients with advanced knee osteoarthritis. *Pain* 157(9):1988-1999. PMC: PMC4988908, PMID: 27152688
258. Christensen DK, Armaiz-Pena GN, Ramirez E, Matsuo K, Zimmerman MB, Zand B, Shinn E, Goodheart MJ, Bender D, Thaker PH, Ahmed A, Penedo FJ, DeGeest K, Mendez L, Domann F, Sood AK, Lutgendorf SK (2016). SSRI use and clinical outcomes in epithelial ovarian cancer. *Oncotarget* 7(22):33179-33191. PMC: PMC5078084, PMID: 27121207
259. Kumar S, Ooi CY, Werlin S, Abu-El-Haija M, Barth B, Bellin MD, Durie PR, Fishman DS, Freedman SD, Garipey 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 (2016). Risk factors associated with pediatric acute recurrent and chronic pancreatitis: Lessons from INSPPIRE. *JAMA Pediatrics* 170(6): 562-569. PMC: PMC5317277, PMID: 27064572
260. Lanzel E, Robinson RA, Zimmerman MB, Pourian A, Hellstein JW (2016). The use of immunohistochemistry in detection of perineural invasion in mucoepidermoid carcinoma. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology* 121(6):636-642. PMID: 27068680
261. Al-Ghananim RT, Nalbant D, Schmidt RL, Cress GA, Zimmerman MB, Widness JA (2016). Reticulocyte hemoglobin content during the first month of life in critically ill very low birth weight neonates differs from term infants, children, and adults. *Journal of Clinical Laboratory Analysis*, 30(4):326-34. PMC: PMC4644110, PMID: 25968472
262. Flanary WE, Vislisel JM, Wagoner MD, Raecker ME, Aldrich BT, Zimmerman MB, Goins KM, Greiner MA (2016). Incidence of cystoid macular edema after descemet membrane endothelial keratoplasty as a staged and solitary procedure. *Cornea*, 35(8):1040-1044. PMID: 27158809
263. Kuiper JJ, Zimmerman MB, Pagedar NA, Carter KD, Allen RC, Shriver EM (2016). Perception of patient appearance following various methods of reconstruction after orbital exenteration. *Orbit (Amsterdam, Netherlands)*, 35(4):187-192. PMID: 27341072

264. Avdić A, Tucker S, Evans R, Smith A, Zimmerman MB (2016). 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):2346-2351. PMID: 27481696
265. Schwarz C, Aldrich BT, Burckart KA, Schmidt GA, Zimmerman MB, Reed CR, Greiner MA, Sander EA (2016). Descemet membrane adhesion strength is greater in diabetics with advanced disease compared to healthy donor corneas. *Experimental Eye Research*, 153:152-158. PMID: 27777123
266. McConnell LK, Syed NA, Zimmerman MB, Carter KD, Nerad JA, Allen RC, Shriver EM (2017). An analysis of conjunctival map biopsies in sebaceous carcinoma. *Ophthalmic Plastic Reconstructive Surgery*, 33(1):17-21. PMID: 26836812
267. Vislisel JM, Goins KM, Wagoner MD, Schmidt GA, Aldrich BT, Skeie JM, Reed CR, Zimmerman MB, Greiner MA (2017). Incidence and outcomes of positive donor corneoscleral rim fungal cultures and keratoplasty. *Ophthalmology*, 124(1):36-42. PMID: 27817919
268. Hayreh SS, Zimmerman MB (2017). Ocular arterial occlusive disorders and carotid artery disease. *Ophthalmology Retina*, 1(1):12-18. PMC: PMC5439962, PMID: 28547004
269. McCullagh BN, Comellas AP, Ballas ZK, Newell, Jr. KD, Zimmerman MB, Azar AE (2017). Antibody deficiency in patients with frequent exacerbations of Chronic Obstructive Pulmonary Disease (COPD). *PLoS One*, 12(2):e0172437. PMC: PMC5315316, PMID: 28212436
270. Brun BN, Mockler SR, Laubscher KM, Stephan CM, Collison JA, Zimmerman MB, Mathews KD (2017). Childhood activity on progression in limb girdle muscular dystrophy 2I. *Journal of Child Neurology*, 32(2):204-209. PMC: PMC5464953, PMID: 27872178
271. Brun BN, Mockler SR, Laubscher KM, Stephan CM, Wallace AM, Collison JA, Zimmerman MB, Dobyns WB, Mathews KD (2017). Comparison of brain MRI findings with language and motor function in the dystroglycanopathies. *Neurology*, 88(7):623-629. PMC: PMC5317381, PMID: 28087826
272. Sharma N, Naraev BG, Engelman EG, Zimmerman MB, Bushnell, Jr. DL, O'Dorisio TM, O'Dorisio MS, Menda Y, Muller-Brand J, Howe JR, Halfdanarson TR (2017). Peptide receptor radionuclide therapy outcomes in a North American cohort with metastatic well-differentiated neuroendocrine tumors. *Pancreas*, 46(2):151-156. PMC: PMC5595066, PMID: 27759712
273. Aldrich BT, Schlotzer-Schrehardt U, Skeie JM, Burckart KA, Schmidt GA, Reed CR, Zimmerman MB, Kruse FE, Greiner MA (2017). Mitochondrial and morphologic alterations in native human corneal endothelial cells associated with diabetes mellitus. *Investigative Ophthalmology & Visual Sciences*, 58(4):2130-2138. PMID: 28395029
274. Liaboe CA, Aldrich BT, Carter PC, Skeie JM, Burckart KA, Schmidt GS, Reed CR, Zimmerman MB, Greiner MA (2017). Assessing the impact of diabetes mellitus on donor corneal endothelial cell density. *Cornea*, 36(5):561-566. PMID: 28306601
275. Ersig AL, Schutte DL, Standley J, Leslie E, Zimmerman MB, Kleiber C, Hanrahan K, Murray JC, McCarthy AM (2017). Relationship of genetic variants with procedural pain, anxiety, and distress in children. *Biological Research for Nursing*, 19(3):339-349. PMC: PMC5609488, PMID: 28413930

276. Hadlandsmyth K, Sabic E, Zimmerman MB, Sluka KA, Herr KA, Clark CR, Noiseux NO, Callaghan JJ, Geasland KM, Embree JL, Rakel BA (2017). Relationships among pain intensity, pain-related distress, and psychological distress in pre-surgical total knee arthroplasty patients: A secondary analysis. *Psychology, Health & Medicine*, 22(5):552-569. PMC: PMC5414582, PMID: 27216314
277. Spengler EK, Hunsicker LG, Zarei S, Zimmerman MB, Voigt MD (2017). Transjugular intrahepatic portosystemic shunt does not independently increase risk of death in high model for end stage liver disease patients. *Hepatology Communications*, 1(5):460-468. PMC: PMC5721420, PMID: 29404473
278. Christiaansen AF, Dixit UG, Coler RN, Marie Beckmann A, Reed SG, Winokur PL, Zimmerman MB, Varga SM, Wilson ME (2017). CD11a and CD49d enhance the detection of antigen-specific T cells following human vaccination. *Vaccine*, 35(33):4255-4261. PMC: PMC5551405, PMID: 28662951
279. Giefer MJ, Lowe ME, Werlin SL, Zimmerman MB, 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-Hajja M, Uc A (2017). Early-onset acute recurrent and chronic pancreatitis is associated with PRSS1 or CTRC gene mutations. *Journal of Pediatrics*, 186:95-100. PMC: PMC5506853, PMID: 28502372
280. Munch EM, Sparks AE, Zimmerman MB, Van Voorhis BJ, Duran EH (2017). High FSH dosing is associated with reduced live birth rate in fresh but not subsequent frozen embryo transfers. *Human Reproduction*, 32(7):1402-1409. PMID: 28472321
281. Troendle DM, Fishman DS, Barth BA, Giefer MJ, Lin TK, Liu QY, Abu-El-Hajja M, Bellin MD, Durie PR, Freedman SD, Garipey G, Gonska T, Heyman MB, Himes R, Husain SZ, Kumar S, Lowe ME, Morinville VD, O CY, Palermo J, Pohl JF, Schwarzenberg SJ, Werlin S, Wilschanski M, Zimmerman MB, Uc A (2017). 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. PMC: PMC5502745, PMID: 28609364
282. Merriwether EN, Rakel BA, Zimmerman MB, Dailey DL, Vance CG, Darghosian L, Golchha M, Geasland KM, Chimenti R, Crofford LJ, Sluka KA (2017). Reliability and construct validity of the Patient-Reported Outcomes Measurement Information System (PROMIS) instruments in women with fibromyalgia. *Pain Medicine*, 18(8):1485-1489. PMC: PMC6279305, PMID: 27561310
283. Scheers I, Palermo JJ, Freedman S, Wilschanski M, Shah U, Abu-El-Hajja 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 MB, Uc A, Gonska T (2017). Autoimmune pancreatitis in children: Characteristic features, diagnosis, and management. *American Journal of Gastroenterology*, 112(10):1604-1611. PMC: PMC5908471, PMID: 28374818
284. Hadlandsmyth K, Dailey DL, Rakel BA, Zimmerman MB, Vance CG, Merriwether EN, Chimenti RL, Geasland KM, Crofford LJ, Sluka KA (2017). Somatic symptom presentations in

- women with fibromyalgia are differentially associated with elevated depression and anxiety. *Journal of Health Psychology*, 1:1359105317736577. PMC: PMC6287969, PMID: 29076404
285. Carlson CR, McGaughey SD, Eskuri JM, Stephan CM, Zimmerman MB, Mathews KD (2017). Illness-associated muscle weakness in dystroglycanopathies. *Neurology*, 89(23):2374-2380. PMC: PMC5719925, PMID: 29101272
 286. Abrons RO, Zimmerman MB, El-Hattab Y (2017). Nasotracheal intubation over a bougie vs. non-bougie intubation: A prospective randomized, controlled trial in older children and adults using videolaryngoscopy. *Anaesthesia*, 72(12):1491-1500. PMID: 28921537
 287. Cooper NA, Rakel BA, Zimmerman MB, Tonelli SM, Herr KA, Clark CR, Noiseux NO, Callaghan JJ, Sluka KA (2017). Predictors of multidimensional functional outcomes after total knee arthroplasty. *Journal of Orthopaedic Research*, 35(12):2790-2798. PMID: 28471509
 288. Kuthy RA, McKernan SC, Pooley M, Zimmerman MB (2018). Relationship between community-level variables and number of general dentists. *Journal of the American Dental Association*, 149(4):308-316. PMID: 29478702
 289. Evans JA, Clark TJ, Zimmerman MB, Allen RC, Nerad JA, Carter KD, Shriver EM (2018). 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*, 34(1):56-63. PMID: 28195872
 290. Nalbant D, Cancelas JA, Mock DM, Kyosseva SV, Schmidt RL, Cress GA, Zimmerman MB, Strauss RG, Widness JA (2018). In premature infants there is no decrease in 24-hour posttransfusion allogeneic red blood cell recovery after 42 days of storage. *Transfusion*, 58(2):352-358. PMC: PMC5803343, PMID: 29193118
 291. Hadlandsmyth K, Zimmerman MB, Wajid R, Sluka KA, Herr K, Clark CR, Noiseux NO, Callaghan JJ, Rakel BA (2018). Longitudinal postoperative course of pain and dysfunction following total knee arthroplasty. *Clinical Journal of Pain*, 34(4):332-338. PMC: PMC5775938, PMID: 28731957
 292. Merriwether EN, Frey-Law LA, Rakel BA, Zimmerman MB, Dailey DL, Vance CG, Golchha M, Geasland KM, Chimenti R, Crofford LJ, Sluka KA (2018). Physical activity is related to function and fatigue but not pain in women with fibromyalgia: Baseline analyses from the Fibromyalgia Activity Study with TENS (FAST). *Arthritis Research & Therapy*, 20(1):199. PMC: PMC6116369, PMID: 30157911
 293. Scheers I, Palermo JJ, Freedman S, Wilschanski M, Shah U, Abu-El-Hajja M, Barth B, Fishman DS, Garipey C, Giefer MJ, Heyman MB, Himes RW, Hussain 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 MB, Uc A, Gonska T (2018). Recommendations for diagnosis and management of autoimmune pancreatitis in childhood: Consensus from INSPPIRE. *Journal of Pediatric Gastroenterology and Nutrition*, 67(2):232-236. PMC: PMC6059991, PMID: 29746340
 294. Uc A, Zimmerman MB, Wilschanski M, Werlin SL, Troendle D, Shah U, Schwarzenberg SJ, Rhee S, Pohl JF, Perito ER, Palermo JJ, Ooi CY, Liu Q, Lin TK, Morinville VD, McFerron BA, Husain SZ, Himes R, Heyman MB, Gonska T, Giefer MJ, Gairepy DE, Freedman SD, Fishman DS, Bellin MD, Barth B, Abu-El-Hajja M, Lowe ME (2018). Impact of obesity on

pediatric acute recurrent and chronic pancreatitis. *Pancreas*, 47(8):967-973. PMC: PMC6095802, PMID: 30059474

295. Dindo L, Zimmerman MB, Hadlandsmyth K, StMarie B, Embree J, Marachman J, Tripp-Reimer T, Rakel B (2018). Acceptance and commitment therapy for prevention of chronic post-surgical pain and opioid use in at-risk veterans: A pilot randomized controlled study. *Journal of Pain*, 19(10):1211-1221. PMC: PMC6163061, PMID: 29777950
296. (2018). Assessing the effects of Ripasudil, a novel rho kinase inhibitor, on human corneal endothelial cell health. *Journal of Ocular Pharmacology and Therapeutics*, Epub ahead of print. PMID: 30312120
297. Vance CG, Chimenti RL, Dailey DL, Hadlandsmyth K, Zimmerman MB, Geasland KM, Williams JM, Merriwether EN, Alemo Munters L, Rakel BA, Crofford LJ, Sluka KA (2018). Development of a method to maximize the transcutaneous electrical nerve stimulation intensity in women with fibromyalgia. *Journal of Pain Research*, 11:2269-2278. PMC: PMC6188186, PMID: 30349353
298. Baker KK, Story WT, Walser-Kuntz E, Zimmerman MB (2018). Impact of social capital, harassment of women and girls, and water and sanitation access on premature birth and low infant birth weight in India. *PLoS One*, 13(10):e0205345. PMC: PMC6175511, PMID: 30296283
299. Rao SS, Valestin JA, Xiang X, Hamdy S, Bradley CS, Zimmerman MB (2018). Home-based versus office-based biofeedback therapy for constipation with dysynergic defecation: A randomised controlled trial. *The Lancet Gastroenterology & Hepatology*, 3(11):768-777. PMC: PMC6206847, PMID: 30236904
300. Roh S, Iannettoni MD, Keech J, Arshava EV, Swatek A, Zimmerman MB, Weigel RJ, Parekh KR (2019). Timing of esophagectomy after neoadjuvant chemoradiation therapy affects the incidence of anastomotic leaks. *Korean Journal of Thoracic and Cardiovascular Surgery*, 52(1):1-8. PMC: PMC6383855, PMID: 30834211
301. Arthur CM, Nalbant D, Feldman HA, Saeedi BJ, Matthews J, Robinson BS, Kamili NA, Bennett A, Cress GA, Sola-Visner M, Jones RM, Zimmerman MB, Neish AS, Patel RM, Nopoulos P, Georgieff MK, Roback JD, Widness JA, Josephson CD, Stowell SR (2019). Anemia induces gut inflammation and injury in an animal model of preterm infants. *Transfusion*, 59(4):1233-1245. PMC: PMC6525338, PMID: 30897226
302. Ersig AL, Schutte DL, Standley J, Leslie EJ, Zimmerman MB, Hanrahan K, Murray JC, McCarthy AM (2019). Genetic variants and the cortisol response in children: An exploratory study. *Biological Research for Nursing*, 21(2):157-165. PMC: PMC6700893, PMID: 30700110
303. Schwarzenberg SJ, Uc A, Zimmerman MB, Wilschanski M, Wilcox CM, Whitcomb DC, Werlin SL, Troendle D, Tang G, Slivka A, Singh VK, Sherman S, Shah U, Sandhu BS, Romagnuolo K, Rhee S, Pohl JF, Perito ER, Ooi CY, Nathan JD, Muniraj T, Morinville VD, McFerron B, Mascarenhas M, Maqbool A, Liu Q, Lin TK, Lewis M, Husain SZ, Himes R, Heyman MB, Guda N, Gonska T, Giefer MJ, Gelrud A, Garipey CE, Gardner TB, Freedman SD, Forsmark CE, Fishman DS, Cote GA, Conwell D, Brand RE, Bellin M, Barth B, Banks PA, Anderson MA, Amann ST, Alkaade S, Abu-El-Hajja M, Abberbock JN, Lowe ME, Yadav D (2019). Chronic pancreatitis: Pediatric and adult cohorts show similarities in disease progress despite

different risk factors. *Journal of Pediatric Gastroenterology and Nutrition*, 68(4):566-573. PMC: PMC6492264, PMID: 30897605

304. Handlandsmyth K, Dindo LN, St Marie BJ, Wajid R, Embree JL, Noiseux NO, Tripp-Reimer T, Zimmerman MB, Rakel BA (2019). Patient-Reported Outcomes Measurement Information System (PROMIS) instruments: Reliability and validity in veterans following orthopedic surgery. *Evaluations and the Health Professions*, 13:163278719856406 [Epub ahead of print]. PMID: 31195828
305. Janson BJ, Terveen DC, Benage MJ, Zimmerman MB, Mixon DC, Aldrich BT, Skeie JM, Schmidt GA, Reed CR, Goins KM, Greiner MA (2019). DMEK outcomes using nondiabetic grafts for recipients with diabetes mellitus. *American Journal of Ophthalmology Case Reports*, 15:100512. PMC: PMC6630035, PMID: 31341996
306. Lin TK, Abu-El-Haija M, Nathan JD, Palermo JP, Barth B, Bellin M, Fishman DS, Freedman SD, Garipey CE, Giefer MJ, Gonska T, Heyman MB, Himes R, Husain SZ, Liu Q, Maqbool A, Mascarenhas M, McFerron B, Morinville BD, Ooi CY, Perito E, Pohn JF, Rhee S, Schwarzenberg SJ, Shah U, Troendle D, Werlin SL, Wilschanski M, Zimmerman MB, Lowe ME, Uc A (2019). Pancreas divisum in pediatric acute recurrent and chronic pancreatitis: Report from INSPPIRE. *Journal of Clinical Gastroenterology*, 53(6):e232-e238. PMC: PMC6275137, PMID: 29864067
307. Kerestes CA, Stockdale CK, Zimmerman MB, Hardy-Fairbanks AJ (2019). Abortion providers' experiences and views on self-managed medication abortion, an exploratory study. *Contraception*, 100(2):160-164. PMID: 31002777
308. Liu QY, Abu-El-Haija M, Husain SZ, Barth B, Bellin M, Fishman DS, Freedman SD, Garipey CE, Giefer MJ, Gonska T, Heyman MB, Himes R, Lin TK, Maqbool A, Mascarenhas M, McFerron BA, Morinville VD, Nathan JD, Ooi CY, Perito ER, Pohl JF, Rhee S, Schwarzenberg SJ, Shah U, Troendle D, Werlin SL, Wilschanski M, Zimmerman MB, Lowe ME, Uc A (2019). Risk factors for rapid progression from acute recurrent to chronic pancreatitis in children: Report from INSPPIRE. *Journal of Pediatric Gastroenterology and Nutrition*, 69(2):206-211. PMC: PMC6699635, PMID: 31136562
309. Williams HR, Goad L, Treloar M, Ryken K, Mejia R, Zimmerman MB, Stockdale C, Hardy-Fairbanks A (2019). Confidence and readiness to discuss, plan and implement postpartum contraception during prenatal care versus after delivery. *Journal of Obstetrics and Gynaecology*, 39(7):941-947. PMID: 31192762
310. Handlandsmyth K, Dindo LN, Wajid R, Sugg S, Zimmerman MB, Rakel BA (2019). A single-session acceptance and commitment therapy intervention among women undergoing surgery for breast cancer: A randomized pilot trial to reduce persistent postsurgical pain. *Psychooncology*, 28(11):2210-2217. PMID: 31430830
311. Perito ER, Palermo TM, Pohl JF, Mascarenhas M, Abu-El-Haija M, Barth B, Bellin MD, Fishman DS, Freedman S, Garipey C, Giefer M, Gonska T, Heyman MB, Himes RW, Husain SZ, Lin T, Liu Q, Maqbool A, McFerron B, Morinville VD, Nathan JD, Ooi CY, Rhee S, Schwarzenberg SJ, Shah U, Troendle DM, Werlin S, Wilschanski M, Zheng Y, Zimmerman MB, Lowe M, Uc A (2020). Factors associated with frequent opioid use in children with acute recurrent and chronic pancreatitis. *Journal of Pediatric Gastroenterology and Nutrition*, 70(1):106-114. PMC: PMC6934913, PMID: 31567889

312. Avila-Ortiz G, Gubler M, Romero-Bustillos M, Nicholas CL, Zimmerman MB, Barwacz CA (2020). Efficacy of alveolar ridge preservation: A randomized controlled trial. *Journal of Dental Research*, 99(4):402-409. PMID: 32050833
313. Dindo LN, Recober A, Calarge CA, Zimmerman MB, Weinrib A, Marchman JN, Turvey C (2020). One-day acceptance and commitment therapy compared to support for depressed migraine patients: A randomized clinical trial. *Neurotherapeutics*, 17(2):743-753. PMC: PMC7283406, PMID: 31863406
314. Dailey DL, Vance CG, Rakel BA, Zimmerman MB, Embree J, Merriwether EN, Geasland KM, Chimenti R, Williams JM, Golchha M, Crofford LJ, Sluka KA (2020). Transcutaneous electrical nerve stimulation reduces movement-evoked pain and fatigue: A randomized, controlled trial. *Arthritis & Rheumatology*, 72(5):824-836. PMC: PMC7188591, PMID: 31738014
315. Dhanesha N, Schnell T, Rahmatalla S, DeShaw J, Thedens D, Parker BM, Zimmerman MB, Pieper AA, Chauhan AK, Leira EC (2020). Low-frequency vibrations enhance thrombolytic therapy and improve stroke outcomes. *Stroke*, 51(6):1855-1861. PMC: PMC7263385, PMID: 32397935
316. Carroll PD, Zimmerman MB, Nalbant D, Gingerich EL, An G, Cress GA, Veng-Pedersen P, Widness JA (2020). Neonatal umbilical arterial catheter removal is accompanied by a marked decline in phlebotomy blood loss. *Neonatology*, Epub ahead of print. PMID: 32564030
317. Abu-El-Haija M, Lowe M, Barth B, Bellin MD, Fishman DS, Freedman S, Garipey C, Giefer MJ, Gonska T, Heyman MB, Himes R, Husain S, Lin TK, Liu Q, Mascarenhas MR, Maqbool A, McFerron M, Morinville V, Nathan J, Ooi CY, Perito E, Pohl JF, Schwarzenberg SJ, Shah U, Troendle D, Werlin S, Wilschanski M, Zimmerman MB, Uc A (2020). Pediatric chronic pancreatitis without prior acute or acute recurrent pancreatitis: A report from the INSPPIRE consortium. *Pancreatology*, 20(4):781-784. PMID: 32332002
318. Skeie JM, Aldrich BT, Nishimura DY, Schmidt GA, Zimmerman MB, Ling JJ, Naguib YW, Salem AK, Greiner MA (2020). Ubiquinol supplementation of donor tissue enhances corneal endothelial cell mitochondrial respiration. *Cornea*, Epub ahead of print. PMID: 32558735
319. Dike CR, Zimmerman MB, Zheng Y, Wilschanski M, Werlin SL, Troendle D, Shah U, Schwarzenberg SJ, Pohl J, Perito ER, Ooi CY, Nathan JD, Morinville VD, McFerron B, Mascarenhas M, Maqbool A, Liu Q, Lin TK, Husain SZ, Heyman MB, Gonska T, Giefer MJ, Garipey CE, Fishman DS, Bellin M, Barth B, Abu-El-Haija M, Lowe ME, Uc A (2020). Clinical and practice variations in pediatric acute recurrent or chronic pancreatitis: Report from the Insspire Study. *Journal of Pediatric Gastroenterology and Nutrition*, 71(1):112-118. PMC: PMC7305964, PMID: 32079978
320. Gedlinske AM, Stephan CM, Mockler SR, Laubscher KM, Laubenthal KS, Crockett CD, Zimmerman MB, Mathews KD (2020). Motor outcome measures in patients with FKRP mutations, longitudinal follow-up. *Neurology*, Epub ahead of print. PMID: 10.1212/WNL.0000000000010604
321. Ling JJ, Kyrillos R, Burchart KA, Aldrich BT, Skeie JM, Schmidt GA, Conwell C, Ramirez T, Reed CR, Zimmerman MB, Greiner MA, Li JY (2020). Optimizing visualization of descemet membrane endothelial keratoplasty tissue: Assessing the impact of trypan blue exposure on stain duration and corneal endothelial cell function. *Cornea*, Epub ahead of print. PMID: 32732698

322. Nahab F, Liu M, Rahman HA, Rangaraju S, Barrow D, Cawley CM, Grubb RL, Derdeyn CP, Adams HP, Videen TO, Zimmerman MB (2020). Recurrent hemispheric stroke syndromes in symptomatic atherosclerotic internal carotid artery occlusions: The Carotid Occlusion Surgery Study Randomized Trial. *Neurosurgery*, 87(1):137-141. PMID: 31511891

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

1. Chenard CA, Zimmerman MB, Smith KL, Nonnie PF, Wahls TL (2015). D. C. Mitchell & E. Braithwaite (Eds.), New measurement weight for one cup raw kale reduces nutrient intake of individuals following the Wahls TM diet., Amsterdam: *Procedia Food Science/Elsevier Science BV*, 4:39-47.

3. Books/Monographs

4. Chapters

1. Bautista DV, Scott WE, Zimmerman MB, Sarin S (1995). Longterm effectiveness of bilateral medial retus recession in congenital esotropia and acquired accommodative and nonaccommodative esotropia. G. Lennerstrand (Ed.), Update on Strabismus and Pediatric Ophthalmology, Boca Raton, Florida: *CRC Press*, Chapter 12:240-243.

5. Electronic Publications

6. Abstracts

7. Other

1. Chenhsu RY, Wu YM, Min DI, Zimmerman MB (2002). Effects of mycophenolate mofetil on hematocrit after renal transplantation. *Annals of Pharmacotherapy* 36(9):1479-1480. PMID: 12196073
2. Zimmerman MB (2007). Book Review: SAS Programming and Data Analysis: A Theory and Program-Driven Approach by Leonard C. Onyiah. *The American Statistician* 61(3):277-278.
3. Kumar AB, Zimmerman MB, Suneja M (2015). Obesity and cardiopulmonary bypass-associated acute kidney injury: authors' reply. *Journal of Cardiothoracic and Vascular Anesthesia* 29(2):e12-3. PMID: 25542848
4. Abrons RO, Zimmerman MB, El-Hattab Y (2018). Comparing bougie-guided and conventional nasotracheal intubations using videolaryngoscopy - a reply. *Anaesthesia* 73(3):393. PMID: 29437214

B. Areas of Research Interest/Current Projects

1. Logistic regression models (Area of Research Interest)
2. Longitudinal data analysis (Area of Research Interest)
3. Sample size and power (Area of Research Interest)

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 |
|--|------------------------------|--|
| 2P01HL14388-26 NIH <i>Integrative Neurobiology of Cardiovascular Regulation - PPG</i> Francois M. Abboud, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 20% | 03/08/1998- 12/31/2002 |
| <p><i>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.</i></p> <p><i>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</i></p> | | |
| R01 HD39000 NICHD <i>Depo-provera and bone density in premenopausal women</i> M K. Clark, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Consultant</i> | 5% | 02/01/2000- 01/31/2004 |
| 1R01NR04886-01A1 NIH <i>Lay CHD Representations and Women's Self-Referral for MI</i> Rene Martin, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Consultant</i> | 5% | \$1,005,680 04/01/2000- 03/31/2003 |
| <p><i>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.</i></p> | | |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|---|------------------------------|--|
| 1 P01 ES1 2020-01 NIH <i>Center for Research on Botanical Dietary Supplements</i> Diane F. Birt, <i>Principal Investigator</i> Miriam B. Zimmerman | 27% | \$7,156,941 07/01/2002- 06/30/2007 |
| <p><i>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.</i></p> | | |
| RO1-CA1045-25-01 NIH <i>Biobehavioral-Cytokine Interactions in Ovarian Cancer</i> Susan Lutgendorf, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 5% | \$269,284 09/30/2003- 08/31/2008 |
| <p><i>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.</i></p> | | |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|---|------------------------------|--|
| R42 AG021844-01 NIH (NIA-Small Business Technology Transfer Program) <i>Medication Dispenser MD.2: Improving Health Outcome</i> Anil K. Sahai, <i>Principal Investigator</i> Miriam B. Zimmerman | 5% | \$133,495 03/01/2004- 12/31/2004 |
| <i>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.</i> | | |
| 5 U54 NS053672 National Institutes of Health <i>Muscular Dystrophy Cooperative Research Center</i> Kevin Campbell, <i>Principal Investigator</i> Bridget Zimmerman, <i>Statistician</i> | 0.24 months 2% | \$1,003,999 06/08/2005- 06/30/2020 |
| RO1-EY017066-01 NIH <i>Low-Cost, Portable, Computer-Assisted Imaging of Diabetic Retinopathy</i> Michael Abramoff, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 5% | \$986,883 09/15/2005- 08/31/2008 |
| 4 P01 HL0496925 NIH <i>Neonatal Anemia: Pathophysiology and Treatment</i> John Widness, <i>Principal Investigator</i> Miriam B. Zimmerman | 1.44 months 14% | \$1,599,584 07/01/2006- 06/30/2018 |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|--|------------------------------|---|
| 5 R01 AR052113 NIH <i>Bracing in Adolescent Idiopathic Scoliosis II</i> Stuart Weinstein, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Co-Investigator</i> | | \$298,541 09/01/2006- 08/31/2014 |
| R01 NR010405-01 NIH <i>Effect of TENS on Knee Osteoarthritis Pain, Hyperalgesia, and Function</i> Barbara Rakel, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 7% | \$100,000 07/01/2007- 06/30/2009 |
| R01 NR0005269-05A NIH <i>Predicting Children's Response to Distraction from Pain: Tailored Interventions</i> Ann M. McCarthy, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 10% | \$3,296,734 08/01/2007- 07/31/2010 |
| R21 AI068111-02 NIH <i>Impact of LEEP on Cervical Length and Secretions</i> Audrey S. Saftlas, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 3% | \$395,650 09/01/2007- 08/31/2009 |
| 3 UL1 TR000442 NIH <i>University of Iowa Clinical and Translational Science Program</i> Gary Rosenthal, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 50% | \$1,374,437 09/17/2007- 04/30/2014 |
| R01 CA129022-01 NIH <i>Precise Correspondence of 3D Pathology with Radiologic Features in Lung Nodules</i> Geoffrey McLennan, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 2% | \$20,123,882 02/01/2008- 02/01/2010 |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|--|------------------------------|--|
| 3 R01 CA140933 NIH <i>Biobehavioral Influences and the Ovarian Tumor Microenvironment</i> Susan Lutgendorf, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Co-Investigator</i> | 0.48 months 4% | \$373,337 07/01/2009- 05/31/2015 |
| R01 AR059115-01 NIH <i>Molecular Pathogenesis of Skeletal Muscle Atrophy</i> Christopher Adams, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 0% | \$1,125,000 04/01/2010- 03/31/2015 |
| No Contract # Research to Prevent Blindness <i>Research into the Cause, Treatment, and Prevention of Blinding Disease</i> Keith Carter, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 0.48 months 4% | \$110,000 01/01/2012- 12/31/2014 |
| 588HP33 Iowa Department of Public Health <i>Community Transformation Grant (CTG) Evaluation Services Project</i> Faryle Nothwehr, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Co-Investigator</i> | 1.2 months 10% | \$72,001 08/10/2012- 09/30/2014 |
| 1 UH2 AT007784 NIH <i>Nighttime Dosing of Anti-Hypertensive Medications: A Pragmatic Clinical Trial</i> Gary Rosenthal, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 0% | \$543,997 09/30/2012- 12/31/2014 |
| 4 UM1 AR063381 National Institutes of Health <i>Fybromyalgia Activity Study with TENS "FAST"</i> Kathleen A. Sluka, <i>Principal Investigator</i> Bridget Zimmerman, <i>Statistician</i> | 1.2 months 10% | \$551,102 07/01/2013- 06/30/2019 |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|--|------------------------------|--|
| 5 R01 HL119882 National Institutes of Health <i>Family Obesity Intervention: Motivational Interviewing and Community Support</i> Helena Laroche, <i>Principal Investigator</i> Bridget Zimmerman, <i>Statistician</i> | 0.6 months 5% | \$492,307 08/01/2014- 06/30/2019 |
| 5 R34 AT008349 NIH <i>Preventing Persistent Post-Surgical Pain & Opioid Use in Veterans: Effect of ACT</i> Barbara Rakel, <i>Principal Investigator</i> Miriam B. Zimmerman, <i>Statistician</i> | 0.36 months 3% | \$218,250 09/01/2014- 06/30/2017 |
| 5 R01 MH104363 National Institutes of Health <i>Comparing Behavioral Assessments Using Telehealth for Children with Autism</i> David Wacker, <i>Principal Investigator</i> Bridget Zimmerman, <i>Co-Investigator</i> | 0.48 months 4% | \$601,618 04/01/2015- 10/31/2020 |
| 5 U54 TR001356 National Institutes of Health <i>The University of Iowa Clinical and Translational Science Award</i> Gary Rosenthal, <i>Principal Investigator</i> Bridget Zimmerman, <i>Co-Investigator</i> | 1.8 months 15% | \$2,334,897 08/14/2015- 07/31/2017 |
| 5 U01 DK108334 National Institutes of Health <i>INSPPIRE to Study Pediatric Chronic Pancreatitis</i> Aliye Uc, <i>Principal Investigator</i> Bridget Zimmerman, <i>Co-Investigator</i> | 1.2 months 10% | \$317,792 09/28/2015- 08/31/2020 |
| 5 R01 CA193249 National Institutes of Health <i>Behavioral Influences on Ovarian Cancer Progression: Role of Chemoresistance</i> Susan Lutgendorf, <i>Principal Investigator</i> Bridget Zimmerman, <i>Co-Investigator</i> | 0.48 months 4% | \$514,321 02/10/2016- 12/31/2020 |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|---|------------------------------|--|
| 5 R25 HL131467 National Institutes of Health <i>Iowa Summer Institute for Research Education in Biostatistics (ISIREB)</i> Gideon Zamba, <i>Principal Investigator</i> Bridget Zimmerman, <i>Co-Investigator</i> | 0.24 months 2% | \$233,111 02/15/2016- 01/31/2019 |
| VA IPA US Department of Veteran's Affairs, Iowa City VAMC <i>VA IPA: SPiRE One-Day Life Skills Workshop for Veterans with TBI, Pain, and Psychopathology</i> Bridget Zimmerman, <i>Principal Investigator</i> | 22% | \$6,001 08/01/2017- 09/30/2017 |
| UL TR002537 NIH <i>The University of Iowa Clinical and Translational Science Award</i> Patricia Winokur, <i>Principal Investigator</i> Bridget Zimmerman, <i>Statistician</i> | 1.2 months 10% | 03/30/2018- 02/28/2023 |
| R01 NR017610 National Institutes of Health <i>Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention</i> Barbara Rakel, <i>Principal Investigator</i> M B. Zimmerman, <i>Co-Investigator</i> | 0.6 months 5% | 02/08/2019- 11/30/2023 |
| R25 HL147231 National Institutes of Health <i>Iowa Summer Institute for Research Education in Biostatistics (ISIREB)</i> Gideon Zamba, <i>Principal Investigator</i> M B. Zimmerman, <i>Co-Investigator</i> | 0.24 months 2% | 03/01/2019- 02/28/2022 |

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|---|------------------------------|-----------------------------------|
| UB3 AR076387 National Institutes of Health <i>Fibromyalgia TENS in Physical Therapy Study (FM-TIPS): An Embedded Pragmatic Clinical Trial</i> Kathleen Sluka, <i>Principal Investigator</i> M B. Zimmerman, <i>Co-Investigator</i> | 1.2 months 10% | 09/26/2019- 08/31/2021 |
| R01 CA246540 National Institutes of Health <i>Living Well: A Web-Based Intervention to Improve Quality of Life in Rural and Urban Ovarian Cancer Survivors</i> Susan Lutgendorf, <i>Principal Investigator</i> M B. Zimmerman, <i>Co-Investigator</i> | 0.6 months 5% | 02/01/2020- 01/30/2025 |
| VA IPA 580D05152 U.S. Department of Veterans Affairs, Michael E. DeBakey VA Medical Center <i>One-Day Life Skills Workshop for Veterans with TBI, Pain, and Psychopathology: Evaluating Efficacy and Mechanism of Change</i> M B. Zimmerman, <i>Principal Investigator</i> | | 02/01/2020- 09/30/2020 |

2. Grants Pending

| Source Title P.I. | Number of Months % Effort | Direct Funds Period of Funding |
|-------------------------|------------------------------|-----------------------------------|
|-------------------------|------------------------------|-----------------------------------|

D. Presentations

1. Invited Presentations

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|--------------|---------------------|--------------------------|
|-------------|--------------|---------------------|--------------------------|

2. Conference Presentations/Posters

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|---|--|--------------------------|
| 1987 | Computational Aspects and Statistical Applications of the Transportation Problem of Linear Programming (Zimmerman MB) | Statistical Laboratory Seminar, Iowa State University, Ames, Iowa | Oral |
| 1987 | Estimation of the Common Odds Ratio (Zimmerman MB, Koehler KJ) | Statistical Laboratory Seminar, Iowa State University, Ames, Iowa | Oral |
| 1990 | Overview of Fundamental Concepts in Design and Analysis of Experiments (Zimmerman MB) | Cardiovascular Center, University of Iowa, Iowa City, Iowa | Oral |
| 1991 | Sample Size and Power Analysis (Zimmerman MB) | Clinical Epidemiology Seminar, University of Iowa, Iowa City, Iowa | Oral |
| 1993 | Use and Interpretation of ANOVA for Repeated Measures Studies (Zimmerman MB) | Cardiovascular Center, University of Iowa, Iowa City, Iowa | Oral |
| 1997 | Ask the Statisticians (Principles of Clinical Research) (Zimmerman MB) | Cardiovascular Center, University of Iowa, Iowa City, Iowa | Oral |
| 2000 | Obtaining Mortality Data Using the National Death Index (Renquist KE, Mason EE, Neuhaus J, Zimmerman MB) | American Society for Bariatric Surgery | Poster |
| 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 MB, Brown B, Kreder K) | International Society for Magnetic Resonance in Medicine | Poster |

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|---|--|--------------------------|
| 2002 | Metoclopramide Concentration in Breast Milk of Women Delivering between 23-34 weeks Gestation (Hansen H, Hunter SI, McAndrew S, Harris K, Zimmerman MB) | Society for Maternal-Fetal Medicine | Oral |
| 2002 | Age, BMI, and Gender Determine 30 Day Complications (Mason EE, Renquist KE, Zimmerman MB) | American Society for Bariatric Surgery | Poster |
| 2002 | Effect of the Fetal Fibronectin Assay on Preterm Labor Management (Hansen H, Lowe MP, Zimmerman MB) | Society for Maternal-Fetal Medicine | Poster |
| 2003 | Fatigue, Depression, and Biomarkers in Women with Breast Cancer: A Pilot Study (Piper B, Payne J, Rabinowitz I, Zimmerman MB) | Oncology Nursing Society | Poster |
| 2004 | Folate Levels During Pregnancy and Post Partum (Abbasi G, Berg M, Van Dyke, Zimmerman MB, Niebly J) | Society for Maternal-Fetal Medicine | Poster |
| 2004 | Influential Factors for Mortality Rates After Obesity Surgery (Mason EE, Zhang W, Renquist KE, Zimmerman MB) | American Society for Bariatric Surgery | Poster |
| 2004 | Serum Carbamazepine Levels During Pregnancy and Post Partum (Abbasi G, Berg M, Van Dyke, Zimmerman MB, Niebly J) | Society for Maternal-Fetal Medicine | Poster |
| 2005 | Evaluation of Statistical Consulting Programs in an Academic Setting (Zimmerman MB) | Joint Statistical Meetings, American Statistical Association | Oral |

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|---|--|--------------------------|
| 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 | Poster |
| 2005 | Comparison of Pentacam and Orbscan IIz on Posterior Curvature Topography Measurements in Keratoconus Eyes (Quisling S, Siioberg S, Zimmerman MB, Goins K, Sutphin J) | Society of Pediatric Nurses Convention | Poster |
| 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 | Poster |
| 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 MB) | Annual Conference on Cardiovascular Disease Epidemiology and Prevention, AHA | Poster |
| 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 MB, Schulze C) | American College of Gastroenterology | Poster |
| 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 | Poster |

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|---|--|--------------------------|
| 2006 | Diagnosis and Prognosis of Glioblastoma Multiforme Utilizing MCM7 and Ki-67 as Tumor Proliferation Markers (Sinnwel MI, Luo P, Zimmerman MB) | UICC World Cancer Congress | Poster |
| 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 MB) | Midwest Nursing Research Society | Poster |
| 2007 | Dermatological Problems With Prosthetic Roll-On Liners (Hall MJ, Shurr DG, VanBeek MJ, Zimmerman MB) | American Academy of Orthotists and Prosthetists | Poster |
| 2007 | Parent Distraction During a Peripheral IV Insertion: Cortisol Responsivity and Predictors of Child Distress (McCarthy AM, Hanrahan K, Kleiber C, Zimmerman MB) | Society of Pediatric Nurses Convention | Poster |
| 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 | Poster |
| 2007 | Vaginal Descent and Pelvic Floor Symptoms in Postmenopausal Women: A Longitudinal Study (Bradley CS, Zamba GJ, Wang Q, Nygaard IE) | American Urogynecologic Society | Poster |
| 2008 | Teaching Statistics In The Consulting Environment: Experiences At The University Of Iowa Biostatistics Consulting Center (Zimmerman MB) | Joint Statistical Meetings, American Statistical Association | Oral |

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|---|---|--------------------------|
| 2010 | How Many Subjects do I Need? – Issues to Consider in Sample Size Determination (Zimmerman MB) | Department of Community and Behavioral Health, University of Iowa, Iowa City, Iowa | Oral |
| 2010 | Introduction to Basic Concepts in Statistics (Zimmerman MB) | Institute for Clinical and Translational Science, University of Iowa, Iowa City, Iowa | Oral |
| 2010 | Issues to Consider in Sample Size Determination (Zimmerman MB) | College of Nursing, University of Iowa, Iowa City, Iowa | Oral |

3. Other Presentations

| <u>Year</u> | <u>Title</u> | <u>Organization</u> | <u>Presentation Type</u> |
|-------------|--|--|--------------------------|
| 1987 | Computational Aspects and Statistical Applications of the Transportation Problem of Linear Programming | Statistical Laboratory Seminar, Iowa State University, Ames, Iowa | Seminar |
| 1987 | Estimation of the Common Odds Ratio | Statistical Laboratory Seminar, Iowa State University, Ames, Iowa | Seminar |
| 1991 | Sample Size and Power Analysis | Clinical Epidemiology Seminar, University of Iowa, Iowa City, Iowa | Seminar |
| 2004 | Folate Levels During Pregnancy and Post Partum (Abbasi G, Berg M, Van Dyke, Zimmerman MB, Niebly J) | Society for Maternal-Fetal Medicine | Paper |
| 2007 | Sample Size in Study Design: Examples in Allergy and Immunology | Allergy and Immunology Grand Rounds, UIHC | Grand Rounds |
| 2009 | Intro to SAS Programming | University of Iowa SAS Summer Institute | Lecture |
| 2009 | Using SAS Proc Power | University of Iowa SAS Users Group | Lecture |
| 2010 | Intro to SAS Programming | University of Iowa SAS Boot Camp | Lecture |

IV. SERVICE

A. Offices/appointments held in professional organizations

1. Editorships

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|--|---|
| 2001-2005 | Gynecologic and Obstetric Investigations | Associate Editor (statistical reviewer) |

2. Review Panels

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
|-------------|---------------------|-----------------|

3. Professional Organizations (state and/or national)

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|--------------|----------------------------------|-----------------|
| 1987-Present | American Statistical Association | Member |

B. Other Professional Service

1. Referee Manuscripts/Journal Reviews

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|--------------|--|-----------------|
| 2000-2001 | Annals of Otolaryngology, Rhinology, and Laryngology | Reviewer |
| 2004-2005 | Clinical Orthopaedics and Related Research | Reviewer |
| 2005 | Preventive Medicine | Reviewer |
| 2006-2007 | Arteriosclerosis, Thrombosis, and Vascular Biology | Reviewer |
| 2006-2007 | Circulation | Reviewer |
| 2006 | European Journal Clinical Microbiology & Infectious Diseases | Reviewer |
| 2007 | Investigative Ophthalmology and Visual Science | Reviewer |
| 2019-Present | JAMA Network Open | Reviewer |

2. Organize Conference, Paper Session, etc.

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
|-------------|---------------------|-----------------|

3. State Committees

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
|-------------|---------------------|-----------------|

4. National Committees

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
|-------------|---------------------|-----------------|

5. Professionally Relevant Community Involvement

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
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6. Professional Consulting

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
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7. Other

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
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C. Departmental, Collegiate or University Service

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---------------------|-----------------|
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|-----------|---|--------|
| 2004-2009 | College of Public Health, University of Iowa, Faculty Council | Member |
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| 2004-2006 | Department of Biostatistics, College of Public Health, University of Iowa, Admissions Committee | |
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| 2004 | College of Public Health, University of Iowa, Barnes Award in Biostatistics Committee | Member |
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| 2005-2006 | University of Iowa, Campus Climate-Working at Iowa Survey Group | Member |
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| 2007-2008 | College of Public Health, University of Iowa, Dean Search Committee | Member |
|-----------|---|--------|

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| 2007-2008 | Department of Biostatistics, College of Public Health, University of Iowa, Search Committee | Member |
|-----------|---|--------|

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|-----------|--|--------|
| 2008-2010 | University of Iowa, Working at Iowa Survey Group | Member |
|-----------|--|--------|

| <u>Year</u> | <u>Organization</u> | <u>Position</u> |
|-------------|---|-----------------|
| 2011-2013 | College of Public Health, University of Iowa, Faculty Council | Member |
| 2016-2019 | CPH Promotion and Tenure Committee | Member |