

Curriculum Vitae

Yan Ma, PhD, FCCP

A. GENERAL INFORMATION

Business address: Hospital for Special Surgery
525 E 71st ST, New York, NY 10021

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E-mail: yam2007@med.cornell.edu
may@hss.edu

Citizenship: People's Republic of China

B. EDUCATIONAL BACKGROUND

Degree	Institution	Dates attended	Year awarded
Ph.D.(Statistics)	University of Rochester, USA	2003-2008	2008
M.A. (Statistics)	University of Rochester,USA	2003-2004	2004
M.S. (Mathematics)	Syracuse University, USA	2001-2003	2003
B.S. (Statistics)	Beijing Normal University, CHINA	1997-2001	2001

Ph.D. Dissertation Title: Inference for instrument reliability and rater agreement within a multi-rater and longitudinal data setting.

C. PROFESSIONAL POSITIONS AND EMPLOYMENT

02/2010- Assistant Professor of Biostatistics
Division of Biostatistics & Epidemiology
Department of Public Health
Weill Medical College of Cornell University

07/2010- Assistant Scientist
Hospital for Special Surgery

08/2008- 01/2010	Instructor of Biostatistics Division of Biostatistics & Epidemiology Department of Public Health Weill Medical College of Cornell University
08/2008- 06/2010	Instructor of Biostatistics Hospital for Special Surgery
09/2003-07/2008	Teaching and Research Assistant Department of Biostatistics and Computational Biology University of Rochester
09/2001-05/2003	Teaching Assistant Department of Mathematics Syracuse University

D. LICENSURE, BOARD CERTIFICATION, MALPRACTICE -N/A

E. PROFESSIONAL MEMBERSHIPS

American Statistical Association
American College of Chest Physicians
International Biometric Society

F. HONORS AND AWARDS

02/2012	Team Science Award, a joint award from American Federation for Medical Research, Association for Clinical Research Training, Association for Patient Oriented Research, and Society for Clinical and Translational Science.
09/2011	Top abstract in American Society of Regional Anesthesia and Pain Medicine
09/2010	Best Oral Presentation, 9 th Domestic Meeting of the European Hip Society
07/2010	Young Investigator Award, Statistics in Epidemiology Section at Joint Statistical Meetings, American Statistical Association
12/2009	Elected Fellow of American College of Chest Physicians (FCCP)
04/2009	Best Abstract Award, American Society of Regional Anesthesia and Pain Medicine Annual Meeting, Phoenix, AZ, USA.
05/2006-07/2008	Merck Co. Foundation Quantitative Sciences Fellowship
09/2003-07/2008	Graduate Fellowship and Tuition Scholarship, University of Rochester
09/2001-05/2003	Graduate Fellowship and Tuition Scholarship, Syracuse University

G. INSTITUTIONAL/HOSPITAL AFFILIATION –N/A

H. EMPLOYMENT STATUS

Name of Current Employers: Hospital for Special Surgery
Employment Status: Full-time salaried by Hospital for Special Surgery with primary faculty appointment at Weill Medical College of Cornell University

I. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND PERCENT EFFORT

Teaching

01/2011-03/2011	Lecturer for <i>MPS I 2010-11 Epidemiology/Biostatistics</i> Department of Public Health Weill Medical College of Cornell University
01/2009-03/2009	Lecturer for <i>MPS I 2008-09 Epidemiology/Biostatistics</i> Department of Public Health Weill Medical College of Cornell University
02/2009	Instructor for <i>OREF/JBJS Journal Club Grant Writing Workshop</i> Hospital for Special Surgery
09/2008	Instructor for statistical seminar <i>Linear Mixed Effects Models</i> Department of Anesthesiology Hospital for Special Surgery
09/2003-07/2008	Teaching and Research Assistant Department of Biostatistics and Computational Biology University of Rochester
09/2001-05/2003	Teaching Assistant Department of Mathematics Syracuse University

Administrative Duties

08/2008-present
 Member, Anesthesiology Research Committee,
 Hospital for Special Surgery
 -Review all protocol for statistical methods and analyses
 -Provide guidance on statistical analyses and study
 Design

08/2008/-present
 Member, Radiology Clinical Pre-Review Panel
 Hospital for Special Surgery
 -Review all protocol for statistical methods and analyses
 -Provide guidance on statistical analyses and study
 Design

J. RESEARCH SUPPORT

GRANTS

<i>Source</i>	<i>Amount</i>	<i>Dates</i>	<i>Name of Principal Investigator</i>
Clinical and Translational Science Award (NIH:UL1-RR024996) Role: Biostatistician	20%	08/04/08-03/30/12	Imperato-Mcginley

PAST GRANTS

Musculoskeletal Repair and Regeneration Core Center (NIH: P30AR046121) Role: Biostatistician	15%	03/01/06-02/28/11	Adele L. Boskey
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Center for Education, Research, and Therapeutics (CERT) pilot grant (AHRQ through WCMC)	20%	09/15/08-03/15/09	Yan Ma
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K.EXTRAMURAL PROFESSIONAL RESPONSIBILITIES

Editor Appointments

Statistical Editor for Aesthetic Plastic Surgery

Reviewer Appointments

Biometrics , Statistics in Medicine, Biostatistics, Journal of Applied Statistics,
 Psychology and Aging, Journal of Bone and Joint Surgery, Journal of Orthopedic
 Research, Anesthesiology, CHEST, Psychological Method, , Circulation, The
 Laryngoscope, The HSS Journal

Conference Participation

Chaired a session “Missing data and measurement error” for the Joint Statistical Meetings, Miami Beach, FL, 2011.

L. BIBLIOGRAPHY

Peer-reviewed only

1. Dudewicz Ed, **Ma Y**, Mai En, Su Hai. (2007). Exact solutions to the Behrens Fisher problem: asymptotically optimal and finite sample efficient choice among. *Journal of Statistical Planning and Inference*, 137:1584-1605.
2. Tu XM, Feng C, Kowalski J, Tang W, Wang H, Wan C, **Ma Y**. (2007). Correlation analysis for longitudinal data: applications to HIV and psychosocial research. *Statistics in Medicine*, 26:4116-4138.
3. Gamble SA, Talbot NL, Conner KR, Tu XM, Franus N, Beckman AM, **Ma Y**, Duberstein PR. (2007). Concordance about childhood sexual abuse among depressed patients 50 and over and their family and friends. *Archives of Suicide Research*, 11: 321-326.
4. **Ma Y**, Tang W, Feng C, Tu XM. (2008). Inference for kappas for longitudinal study data: applications to sexual health research. *Biometrics*, 64: 781-789.
5. Yu Q, Tang W, Marcus S, **Ma Y**, Gamble SA, Tu XM. (2008). Comparing multiple sensitivities and specificities with different diagnostic criteria: applications to sexual abuse and sexual health research. *Computational Statistics & Data Analysis*, 53: 27-37.
6. **Ma Y**, Tang W, Yu Q, Tu XM. (2009) Modeling concordance correlation coefficient for longitudinal data. *Psychometrika*, 75: 99-119.
7. Memtsoudis S, **Ma Y**, Gonzales Della Valle A, Liu S. (2010) Demographics, Outcomes, and risk factors for adverse events associated with primary and revision hip arthroplasties in the United States. *The American Journal of Orthopedics*, 39:E72-7.
8. Memtsoudis S, Starcher B, González Della Valle A, **Ma Y**, Jules-Elysee K Sculco TP. (2009) Urine desmosine as a marker of lung injury following total knee arthroplasty. A pilot study. *The HSS Journal*, 5: 154-158.
9. Yu Q, Tang W, Marcus S, **Ma Y**, Zhang H, Tu X. (2010) Modeling Sensitivity and specificity with a time-varying reference standard within a longitudinal setting. *Journal of Applied Statistics*, 37: 1213-1230.
10. Malik A, Salas A, Ban Ari J, **Ma Y**, Gonzalez Della Valle A. (2010) Range of motion and function are similar in patients undergoing posterior stabilized total knee arthroplasty with conventional or a high flexion polyethylene insert. *International*

Orthopaedics, 34: 965-972.

11. Memtsoudis SG, **Ma Y**, González Della Valle A, Mazumdar M, Gaber-Baylis LK, MacKenzie CR, Sculco TP. (2009) Perioperative outcomes after unilateral and bilateral total knee arthroplasty. *Anesthesiology*, 111:1206-1216. **(with an invited editorial address: Perioperative Comparative Effectiveness Research, *Anesthesiology*, 111: 1180-1182)**
12. Gracious BL, Bossert RP, Healy EM, Livingston-Carr J, Chawla A, **Ma Y**, Watts A, Tu XM. Valproic acid inhibits osteoblast and osteoclast activity and alters bone remodeling in juvenile sprague-dawley rats in therapeutic dose ranges. (In press in *The Journal of Clinical Psychiatry*)
13. Marawar S, Girardi FP, Sama AA, **Ma Y**, Gaber LK, Besculides MC, Memtsoudis SG. (2010) National trends in anterior cervical fusion procedures. *Spine*, 35: 1454-1459.
14. Memtsoudis SG, Vougioukas VI, **Ma Y**, Gaber-Baylis LK, Girardi FP. Perioperative morbidity and mortality after anterior, posterior and anterior/posterior spine fusion surgery (2011). *Spine*, 36: 1867-77.
15. **Ma Y**, Gonzalez Della Valle A, Zhang H, Tu, X.M. (2010) A U-statistics based approach for modeling cronbach coefficient alpha within a longitudinal data setting. *Statistics in Medicine*, 29:659-670.
16. Memtsoudis SG, Hughes A, **Ma Y**, Chiu YL, Sama AA, Girardi, FP (2011). Increased in-hospital complications after primary posterior versus primary anterior cervical fusion. *Clinical Orthopaedics and Related Research*, 469: 649-57.
17. Memtsoudis SG, Starcher B, **Ma Y**, Sama AA, Buschiazzo V, Girardi FP. (2010) The utility of urine desmosine as a marker of lung injury in spine surgery: a pilot study. *The HSS Journal*, 6: 160-163.
18. Weskamp G, Mendelson K, Swendeman S, Le Gall S, **Ma Y**, Lyman S, Hinoki A, Eguchi S, Guaiquil V, Horiuchi K, Blobel CP. (2010) Pathological neovascularization is reduced by inactivation of ADAM17 in endothelial cells, but not in pericytes. *Circulation Research*, 106: 932-940.
19. Memtsoudis SG, Gonzalez Della Valle A, Jules-Elyse K, Poultsides L, Reid S, Starcher B, **Ma Y**, Sculco TP (2010). The Perioperative Inflammatory Response in Total Knee Arthroplasty Patients: The Impact of Limb reconditioning. *Regional Anesthesia and Pain Medicine*, 35:412-416.
20. Memtsoudis SG, Go G, **Ma Y**, Sharrock NE (2010). Perioperative pulmonary circulatory changes during bilateral total hip arthroplasty under regional anesthesia.

Regional Anesthesia and Pain Medicine, 35: 417-421.

21. Liu S, Chisholm MF, Ngeow J, John RS, Shaw P, **Ma Y**, Memtsoudis SG. (2010) Incidence and risk factors for hypoxemia in postoperative orthopedic surgery patients with diagnosis of obstructive sleep apnea (In press in *The HSS Journal*).
22. Brophy RH, Backus SI, Kraszewski AP, Steele BC, **Ma Y**, Osei D, Williams RJ. (2010). Differences between sexes in lower extremity alignment and muscle activation during soccer kick. *Journal of Bone and Joint Surgery*, 92: 2050-2058.
23. Feng CY, **Ma Y**, Tu X.M, Wang HY. A note on the concordance correlation coefficient. (2010). *Advances and Applications in Statistics*, 15, 195-205.
24. Liu S, Chisholm MF, John RS, Ngeow J, **Ma Y**, Memtsoudis SG. (2010). Risk of postoperative hypoxemia in ambulatory orthopedic surgery patients with diagnosis of obstructive sleep apnea: A retrospective observational study. *Patient Safety in Surgery*, 4:9.
25. Memtsoudis SG, **Ma Y**, Chiu YL, Walz JM, Voswinckel R, Mazumdar M. (2010) Perioperative mortality in patients with pulmonary hypertension undergoing major joint replacement. *Anesthesia & Analgesia*, 111:1110-1116.
26. Duberstein PR, **Ma Y**, Chapman BP, Conwell Y, McGriff J, Coyne JC, Franus N, Heisel MJ, Kaukeinen KA, Sørensen S, Tu XM, Lyness JM. (2010) Detection of depression in older adults by family and friends: distinguishing mood disorder signals from the noise of personality and everyday life. *International Psychogeriatrics*, 30:1-10.
27. **Ma Y**, Passias P, Gaber-Baylis LK, Girardi FP, Memtsoudis SG. (2010) Comparative in-hospital morbidity and mortality after revision versus primary thoracic and lumbar spine fusion. *The Spine Journal*, 10: 881-889.
28. Memtsoudis SG, Liu SS, **Ma Y**, Chiu YL, Walz JM, Gaber-Baylis LK, Mazumdar M. (2011) Perioperative pulmonary outcomes in patients with sleep apnea after noncardiac surgery. *Anesthesia & Analgesia*, 112: 113-21.
29. Hoerger M, Chapman B, **Ma Y**, Tu XM, Useda JD, Hirsch J, Duberstein P (2011). Agreement between informant and self-reported personality in depressed older adults: what are the roles of medical illness and cognitive function? *Psychology and Aging*, 26: 1000-6.
30. Memtsoudis SG, Kuo C, **Ma Y**, Edwards A, Mazumdar M, Liguori G (2011). Changes in anesthesia related factors in ambulatory knee and shoulder surgery: United States 1996-2006. *Regional Anesthesia and Pain Medicine*, 36: 327-31.
31. Passias PG, **Ma Y**, Chiu YL, Mazumdar M, Girardi FP, Memtsoudis SG (2012).

Comparative Safety of Simultaneous and Staged Anterior and Posterior Spinal Surgery. *Spine*, 37: 247-55.

32. Memtsoudis SG, Bombardieri AM, **Ma Y**, Walz JM, Chiu YL, Mazumdar M (2011). Mortality of patients with respiratory insufficiency and adult respiratory distress syndrome after surgery: the obesity paradox. *Journal of Intensive Care Medicine*, doi: 10.1177/0885066611411410
33. **Ma Y**, Roy J, Marcus B.(2011) Causal models for randomized trials with two active treatments and continuous compliance. *Statistics in Medicine*, 30:2349-2362.
34. Memtsoudis SG, **Ma Y**, Chiu YL, Poultides L, Gonzalez Della Valle A, Mazumdar M (2011). Bilateral total knee arthroplasty: risk factors for major morbidity and Mortality. *Anesthesia & Analgesia*, 113: 784-790.
35. Liu S, Bae J, Bieltz M, Wukovits B, **Ma Y** (2011). A prospective survey of patient-controlled epidural analgesia with bupivacaine and clonidine after total hip replacement: A pre- and post-change comparison with bupivacaine and hydromorphone in 1,000 patients. *Anesthesia & Analgesia*, 113: 1213-7.
36. Maalouf D, Liu S, Movahedi R, Goytizolo E, Memstoudis S, YaDeau JT, Gordon M, Urban M, **Ma Y**, Wukovits B, Marcello D, Reid S, Cook Amanda (2012). Nerve stimulator versus ultrasound guidance for placement of popliteal catheters for foot and ankle surgery. *Journal of Clinical Anesthesia*, 24: 44-50.
37. **Ma Y**, Mazumdar M (2011). Multivariate meta-analysis: a robust approach based on the theory of U-statistic. *Statistics in Medicine*, 30: 2911-29.
38. Liu S, Bae J, Bieltz M, **Ma Y**, Memtsoudis SG (2012). Association of perioperative use of nonsteroidal anti-inflammatory drugs with postoperative myocardial infraction after total joint replacement. with postoperative myocardial infarction after total joint replacement. *Regional Anesthesia and Pain Medicine*, 37: 45-50.
39. Potter H, Jain SK, **Ma Y**, Black BR, Fung S, Lyman S (2012). Cartilage injury following acute, isolated anterior cruciate ligament tear: immediate and longitudinal effect with clinical/MRI follow up. *The American Journal of Sports Medicine*, 40: 276-85.
40. Poultides L, Gonzalez Della Valle A, Memtsoudis SG, **Ma Y**, Roberts T, Sharrock N, Salvati E (2012). Meta-analysis of cause of death following total joint arthroplasty utilizing different thromboprophylaxis regimens. *Journal of Bone and Joint Surgery Br.*, 94: 113-21.
41. Memtsoudis SG, Bombardieri AM, **Ma Y**, Girardi FP (2011). The effect of low versus high tidal volume ventilation on inflammatory markers in healthy individuals undergoing posterior spine fusion in the prone position: a randomized controlled

trial. (In press in *Journal of Clinical Anesthesia*)

42. Dy CJ, Franco N, **Ma Y**, Mazumdar M, Gonzalez Della Valle A (2011). Complications after patello-femoral versus total knee replacement in the treatment of isolated patello-femoral osteoarthritis: a meta-analysis. (In press in *Knee Surgery, Sports Traumatology, Arthroscopy*)
43. Memtsoudis SG, Kirksey M, **Ma Y**, Chiu YL, Mazumdar M, Pumberger M, Girardi FP. Metabolic syndrome and lumbar spine fusion surgery: epidemiology and perioperative outcomes (In press in *Spine*).
44. Memtsoudis SG, Dy CJ, **Ma Y**, Chiu YL, Gonzalez Della Valle A, Mazumdar M. In-hospital patient falls following total joint arthroplasty: incidence, demographics and risk factors in the United States. (In press in *Journal of Arthroplasty*)
45. Memtsoudis SG, **Ma Y**, Swamidoss CP, Edwards AM, Mazumdar M, Liguori GA (2012). Factors influencing unexpected disposition after orthopedic ambulatory surgery (In press in *Journal of Clinical Anesthesia*)
46. **Ma Y**, Mazumdar M, Memtsoudis SG (2012). Beyond Repeated measures ANOVA: advanced statistical methods for the analysis of longitudinal data in anesthesia research. *Regional Anesthesia and Pain Medicine*, 37: 99-105.
47. Pumberger M, Chiu YL, **Ma Y**, Girardi FP, Memtsoudis SG (2012). National in-hospital morbidity and mortality trends after lumbar spinal fusion surgery from 1998-2008. *Journal of Bone and Joint Surgery Br*, 94-B: 359-64.
48. Dy CJ, Hernandez-Soria A, **Ma Y**, Roberts T, Daluiski A. Complications after flexor tendon repair: a systematic review and meta-analysis. (In press in *Journal of Hand Surgery*)
49. Dy CJ, Little MTM, Berkes MB, **Ma Y**, Roberts TR, Helfet DL, Lorich DG. A meta analysis of re-operation, nonunion, and infection after open reduction and internal fixation of patella fractures. (In press in *The Journal of Trauma*).
50. Bombardieri AM, Beckman J, Shaw P, Girardi FP, **Ma Y**, Memtsoudis SG. Comparative utility of centrally versus peripherally transduced venous pressure monitoring in the perioperative period in spine patients. (In press in *Journal of Clinical Anesthesia*).
51. Pumberger M, Memtsoudis SG, **Ma Y**, Chiu YL, Girardi F. Perioperative mortality after lumbar spinal fusion surgery: an analysis of epidemiology and risk factors. (In press in *European Spine Journal*).
52. Kirksey M, Chiu YL, **Ma Y**, Gonzalez Della Valle A, Poultsides L, Gerner P, Memtsoudis SG. Trends in in-hospital major morbidity and mortality after total joint

arthroplasty: USA 1998-2008. (In press in *Anesthesia & Analgesia*).

53. Memtsoudis SG, Pumberger M, **Ma Y**, Chiu YL, Fritsch G, Gerner P, Poultsides L, Gonzalez Della Valle A. Epidemiology and risk factors for perioperative mortality after total hip and knee arthroplasty. (In press in *Journal of Orthopedic Research*).
54. Gonzalez Della Valle A, **Ma Y**, Chiu YL, Mazumdar M, Memtsoudis SG. The metabolic syndrome in patients undergoing knee and hip arthroplasty. Trends and in-hospital outcomes in the United States. (In press in *The Journal of Arthroplasty*).
55. Vulcano E, Gesell M, Esposito A, **Ma Y**, Memtsoudis S, Gonzalez Della Valle A. Aspirin for elective hip and knee arthroplasty: a multimodal thromboprophylaxis protocol. (In press in *International Orthopaedics*).
56. In-hospital surgical site infections after primary hip and knee arthroplasty - incidence and risk factors. (In press in *The Journal of Arthroplasty*)
57. Liu SS, Buvanendran A, Rathmell JP, Sawhney M, Bae JJ, Moric M, Perros S, Pope AJ, Poultsides L, Della Valle CJ, Shin NS, McCartney CJL, **Ma Y**, Shah Mahendrakumar, Wood MJ, Manion SC, Sculco TP. Predictors for moderate to severe acute postoperative pain after total hip and knee replacement (In press in *International Orthopaedics*).
58. **Ma Y** (2012). On inference for Kendall's tau within a longitudinal data setting. *Journal of Applied Statistics*, 39: 2441-2452
59. Gesell M, Gonzalez Della Valle A, Garcia SB, Memtsoudis SG, **Ma Y**, Haas S, Salvati EA. Safety and efficacy of multimodal thromboprophylaxis following primary total knee arthroplasty: a comparative study of preferential aspirin vs. routine Coumadin chemoprophylaxis. (In press in *The Journal of Arthroplasty*)
60. Bedi A, Kelly N, Baad M, Fox AJ, **Ma Y**, Warren RF, Maher SA (2012). Dynamic Contact mechanics of radial tears of the lateral meniscus: implications for treatment. *Arthroscopy*, 28(3):372-81.
61. Imhauser C, Mauro CS, Choi D, Mathew S, Rosenberg E, Nguyen J, **Ma Y**, Wickiewicz T. Abnormal tibiofemoral contact stress and its association with altered kinematics following center-center ACL reconstruction: an in vitro study. (In press in the *American Journal of Sports Medicine*)
62. Boskey AL, Lukashova L, Spevak L, **Ma Y**, Khan SR (2013). The kidney sodium-phosphate co-transporter alters bone quality in an age and gender specific manner. *Bone*, 53:546-553.
63. Critical care in patients undergoing lumbar spine fusion: a population-based study. (*Journal of Intensive Care Medicine*, with Memtsoudis S).

Book Chapters

1. **Ma Y**, Hidaka C, Lyman S. Key statistical principles: common statistical tests (Book chapter in ISAKOS Scientific Committee Research Methods Handbook).
2. He H, Gunzler D, **Ma Y**, Xia Y. Assessment of diagnostic tests and instruments (Book chapter in Modern Clinical Trial Analysis).

Invited Talk

“Inference for Kappa for Longitudinal Study Data” at multiple institutions:

1. School of Nursing, Duke University, Durham, NC, December 2007;
2. School of Nursing, University of Pennsylvania, Pennsylvania, PA, January 2008;
3. Statistics group, RAND Corporation, Santa Monica, CA, February, 2008;
4. Feinberg School of Medicine, Northwestern University, Chicago, IL, February 2008;
5. Department of Epidemiology & Population Health, Albert Einstein College of Medicine, New York, NY, March 2008;
6. Department of Public Health, Weill Medical College of Cornell University, New York, NY. April 2008.
7. “A Robust and Computationally Efficient Approach for Multivariate Meta-Analysis” Rutgers Biostatistics Day, Rutgers, The State University of New Jersey, New Brunswick, NJ, April 2010.

“Recent developments in multivariate meta-analysis and a robust approach based on the theory of U-statistic” at multiple institutions:

8. Department of Biostatistics, School of Public Health, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ, February 2012.
9. Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH, March 2012.
10. School of Mathematics, Graduate University of Chinese Academy of Sciences, Beijing, China, April 2012.
11. International Chinese Statistical Association 2012 Applied Statistical Symposium, Boston, MA, June 2012.

12. Department of Public Health, Weill Medical College of Cornell University, New York, NY. April 2008.
13. “Methods for statistical analysis including the generalized estimating equations” Department of Biomechanics, Hospital for Special Surgery, New York, New York, March 2012.
- “An introduction of meta-analysis” at multiple institutions:
14. School of Public Health, Sun Yat-Sen University, Guangzhou, China, May 2012.
15. School of Public Health, Guangzhou Medical University, Guangzhou, China, May 2012.

Presentations

- “An Introduction of Meta-analysis” , Hospital for Special Surgery, August 14, 2012.
- “Causal Models for randomized Trials with Two Active Treatments and Continuous Compliance”, Joint Statistical Meetings, Miami Beach, FL, August 3, 2011.
- “Inference for Kappas for Longitudinal Study Data: Applications to Sexual Health Research”, Joint Statistical Meetings, Vancouver, Canada, August 2, 2010.
- “Morbidity and Mortality after Primary and Revision Posterior Spine Fusion” American Society of Anesthesiologists Annual Meeting, New Orleans, LA, October 19, 2009.
- “Multiple-Outcome Meta-Analysis Methods: Application to Orthopedics Research” Joint Statistical Meetings, Washington DC, August 4, 2009.
- “How to Prepare a Statistical Section” OREF/JBJS 1/2 Day Journal Club Grant Writing Workshop, Hospital for Special Surgery, New York, NY, March 28, 2009.
- “Structural Principal Effects Models for Randomized Trials with Continuous Measures of Compliance.” ENAR, Arlington, VA, March 19, 2008.
- “Correlation Analysis for Longitudinal Data.” ENAR, Atlanta, GA, March 11, 2007.
- “Inference for Kappa for Longitudinal and Other Clustered Study Data: Applications to HIV Prevention and Sexual Abuse Research.” Joint Statistical Meetings, Seattle, WA, August 10, 2006.
- “Effects of Depakote ER on Cholesterol and Body Mass Index in Adults with Acute Mania.” Clinical Statistics Department, GPRD, Abbott Laboratories, Abbott Park, IL, August 1, 2006.

Students/Fellows Supervised

1. Kara Field, MS, Biostatistics at Columbia University (2011)--summer internship supervisor
2. Kelly Harris, MD, CTSC TL1 Training Award, Weill Cornell Medical College (2011-2012)--fellowship mentor