

## CURRICULUM VITAE

### **Qingxia (Cindy) Chen, Ph.D.**

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**Office Address:** Department of Biostatistics  
Vanderbilt University Medical Center  
1161 21st Ave South  
S-2323 Medical Center North  
Nashville, Tennessee 37232-2158

**Phone:** (615) 936-8058

**E-mail:** cindy.chen@vanderbilt.edu

**Fax:** (615) 343-4924

**Web page:** <http://biostat.mc.vanderbilt.edu/QingxiaChen>

### **EDUCATION**

1999 BS in Statistics, University of Science and Technology of China, Hefei, Anhui, China

2001 MS in Statistics, University of Pittsburgh, Pittsburgh, PA.

2005 PhD in Biostatistics, University of North Carolina at Chapel Hill , Chapel Hill, NC

### **ACADEMIC APPOINTMENTS**

2005–Present Assistant Professor, Department of Biostatistics, Vanderbilt University School of Medicine.

2012–Present Assistant Professor, Department of Biomedical Informatics, Vanderbilt University School of Medicine.

### **AWARDS AND HONORS**

2007 ENAR New Researcher Travel Grant

2007 IMS New Researcher Travel Grant

2005 Student Travel Award, University of North Carolina at Chapel Hill

2004 JSM-SBSS Student Travel Award

1995 - 1999 USTC Outstanding Student Scholarship

### **EMPLOYMENT**

2001-2005 Research Assistant, Department of Biostatistics , University of North Carolina at Chapel Hill

2001 Internship in Western Psychiatric Institute and Clinics, Pittsburgh  
2000-2001 Research Assistant, Department of Statistics , University of Pittsburgh

## PROFESSIONAL ORGANIZATIONS

2002-Present American Statistical Association  
2003-Present International Biometric Society  
2003-Present International Society for Bayesian Analysis  
2009-Present International Chinese Statistical Association

International Chinese Statistical Association Representative to 2014 Joint  
Statistical Meeting Program Committee

## PROFESSIONAL ACTIVITIES

### Intramural

Mentees Dana Blakemore, MS, Biostatistician II, Department of Biostatistics (2007-2009).  
Angel An, MS, Biostatistician II, Department of Biostatistics (2007-2009).  
Hui Nian, PhD, Biostatistician II, Department of Biostatistics (2010-Present).  
Xue Han, MS, Biostatistician II, Department of Biostatistics (2011-Present).  
Qi Liu, PhD candidate, Research Assistant, Department of Biostatistics (2011-Present).

Committees Committee Member, Jeffrey Thomas Leegon (MS student of Department of Biometrical Informatics) (2010-2011).  
Committee Member, Ellen Yan (MS student of Department of Biometrical Informatics) (2011-2012).  
Committee Member, Naqi Ali Khan (PhD student of Department of Biometrical Informatics) (2011-2012).  
Graduate Admissions Committee, Department of Biostatistics (2010–Present)  
Graduate Program Committee, Department of Biostatistics (2009–Present)  
Faculty Search Committee, Department of Biostatistics (2005–Present)

### Extramural

Referee Journal of the American Statistical Association (5)  
Statistics in Medicine (5)  
Bayesian Analysis (4)  
Biometrics (3)  
Life Data Analysis (3)  
Journal of Statistical Planning and Inference (2)  
Journal of the Royal Statistical Society, Series C  
Clinical Trials  
Health Services and Outcomes Research Methodology  
Philosophical Transactions of the Royal Society A  
Statistical Sinica

Canadian Journal of Statistics  
Epidemiology  
Biometrical Journal  
Journal of Official Statistics  
Mathematical Reviews, A division of the American Mathematical Society  
OMICS Publishing Group

- Conferences      Session Chair, Data Augmentation, EM, and Bayesian Methods with Missing Data, Joint Statistical Meeting, Minneapolis, Minnesota. (August, 2005)  
Session Chair, Adaptive Designs for Clinical Trials, Eastern North American Region, Miami, Florida. (March, 2011)  
Session Organizer and Chair, Semi-Competing Risks, Eastern North American Region, Baltimore, Maryland. (April, 2012)  
Session Chair, Kaleidoscope IIa, useR!, Nashville, Tennessee. (June, 2012)  
Session Chair, Causal inference, International Chinese Statistical Association, Boston, Massachusetts. (June, 2012)  
Session Chair, The Latest Development of Adaptive Clinical Designs, International Chinese Statistical Association, Boston, Massachusetts. (June, 2012)
- Editorial          Serve in Editorial Board of ISRN Epidemiology. (2012)

## TEACHING ACTIVITIES

- Courses            Co-teaching *Epidemiologic 323: Design and Analysis with Time-to-Event Data*, Department of Epidemiology, Vanderbilt University (2011 Spring).  
Teaching *Epidemiologic 323-01: Design and Analysis with Time-to-Event Data*, Department of Epidemiology, Vanderbilt University (2012 Spring).  
Teaching *Bios 323: Applied Survival Analysis*, Department of Biostatistics, Vanderbilt University (2012 Fall).
- Workshop          Co-teaching *An Introduction to Missing Data: Multiple Imputation*, Vanderbilt Kennedy Center, Vanderbilt University (2012).
- Teaching Assistant
- Advanced Probability and Statistical Inference (II)*, Department of Biostatistics, University of North Carolina at Chapel Hill (2005).  
*Statistical Analysis with Missing Data*, Department of Biostatistics, University of North Carolina at Chapel Hill (2004).  
*Bayesian Statistics*, Department of Biostatistics, University of North Carolina at Chapel Hill (2004).  
*Principles of Statistical Inference*, Department of Biostatistics, University of North Carolina at Chapel Hill (2003).  
*Statistics and Probability for Business Management*, Department for Statistics, University of Pittsburgh (2001).  
*Calculus I*, Department for Statistics, University of Pittsburgh (2000).

## RESEARCH PROGRAM

### Present Funding

<b>R21 HL097334-01A2</b> (PI: Chen)	12/20/2010-11/30/2012	25-50%
NHLBI	Role: PI	275,000
Biostatistics		
A New Approach to Correct Verification Bias Using Auxiliary Information		
<b>1R18HS018168-03</b> (PI: Johnson)	09/30/2009-07/31/2012	10%
AHRQ	Role: Co-I	768,659
Biomedical Informatics		
My MediHealth: A Paradigm for Children-centered Medication Management		
<b>1R18HS019276-02</b> (PI: Rosenbloom)	09/01/2010 08/31/2013	10%
AHRQ	Role: Co-I	879,156
Biomedical Informatics		
Disseminating Adapted Diabetes Evidence to Clinicians Through a Patient Portal		
<b>5R01CA141307-03</b> (PI: Xu)	10/01/2009 - 06/30/2013	10-15%
NHLBI	Role: Biostatistician	763,738
Biomedical Informatics		
An In-silico Method for Epidemiological Studies Using Electronic Medical Records		

### Completed Funding

<b>1K23 AI074830-02</b> (PI: Creech II)	09/04/2008-08/31/2011	2.5%
NIH/NIAID/DMID	Role: Co-I	347,475
Infectious Diseases		
A Longitudinal Study of CA-MRSA Nasal Colonizations in College Sports Participants		
<b>5R01LM009591-03</b> (PI: Rosenbloom)	09/30/2008-09/29/2011	5-15%
NIH/NLM	Role: Co-I	607,042
Biomedical Informatics		
A Framework Based Clinical Documentation Evaluation Method		
<b>290-04-0016</b> (PI: Frisse)	10/01/2004-09/30/2009	10%
State of Tennessee - Federal Formula	Role: Co-I	9,804,010
Biomedical Informatics		
State and Regional Demonstrations of Health Information Technology		
<b>5U18 IP000184-03</b> (PI: Griffin)	07/01/2008-07/31/2011	5%
Centers for Disease Control	Role: Co-I	2,628,223
Preventive Medicine		
Annual Estimates of Influenza Vaccine Effectiveness: Davidson County, TN		
<b>5R01HL085690-04</b> (PI: Darbar)	12/15/2007-11/30/2011	5-10%
NHLBI	Role: Biostatistician	1,247,500
Cardiovascular Medicine		
QT Interval Remodeling in Atrial Fibrillation		

<b>5K23AI074863-04*</b> (PI: Talbot)	03/01/2008-02/28/2013	5-15%
NIAID	Role: Co-I	464,800
Infectious Diseases		
Adult Flu Hospitalizations: Evaluating Diagnostic Methods and Vaccine Effectiveness		
<b>N01 AI025462</b> (PI: Edward)	12/01/2005-08/31/2008	20%
NIAID	Role: Co-I	8,393,332
Vanderbilt Vaccine Research Program		
Evaluation of Control Measures Against Diseases other than AIDS/VTEU		
<b>IHHSN27220080007C*</b> (PI: Edward)	11/01/2007-10/31/2014	6.37-20%
NIAID	Role: Co-I	15,439,936
Vanderbilt Vaccine Research Program		
Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Disease Other than AIDS		
<b>5P50HL081009-05</b> (PI: Vaughan)	05/20/2006-02/28/2012	20-34%
NHLBI	Role: Co-Core Leader	10,760,087
Medicine Clinical Pharmacology		
SCCOR in Hemostatic and Thrombotic Diseases		
<b>5R01LM007995-06</b> (PI: Miller)	06/15/2007 - 06/14/2010	9%
NLM	Role: Co-I	687,680
Biomedical Informatics		
MOMENT (Monitoring for Outpatient Medication Effects and New Toxicities) in TIME		

\* Funding has been transferred to other faculty members in Department of Biostatistics

## PUBLICATIONS and PRESENTATIONS

### Publications

Peer-Reviewed Published or To-appear Papers

1. Moul, D., Ombao H., Monk T., **Chen Q.**, Begley A., Buysse D. (2002). "Masking effects of posture and sleep onset on core body temperature: a circadian rhythm of bedtime temperature drops". *Journal of Biological Rhythms*, 17, 447-462.
2. Hall M, Vasko R, Buysse D, Ombao H, **Chen Q.**, Cashmere D, Kupfer D and Thayer J. (2004). "Acute Stress Affects Heart Rate Variability During Sleep". *Journal of Psychosomatic Medicine*, 66, 56-62.
3. **Chen Q.**, Ibrahim J. G. (2006) "Semiparametric Models for Missing Covariate and Response Data in Regression Models". *Biometrics*, 62, 177-184.
4. Joos D., **Chen Q.**, Jirjis J., Johnson KB (2006). "An Electronic Medical Record in Primary Care: Impact on Satisfaction, Work Efficiency and Clinic Processes". *AMIA Annu Symp Proc*, 394-8.

5. Dexheimer J., Jones I., **Chen Q.**, Talbot T., Mason D., Aronsky D. (2006). "Providers' Beliefs, Attitudes, and Behaviors Prior to Implementing a Computerized Pneumococcal Vaccination Reminder." *Academic Emergency Medicine. Acad Emerg Med*, 13(12), 1312-8.
6. **Chen Q.**, Zeng, D., Ibrahim, J. G. (2007) "Sieve Maximum Likelihood Estimation for Missing Covariates in Regression Models". *Journal of the American Statistical Association*. Vol 102, 1309-1318.
7. Devin J.K., Blevins L.S., Verity D.K., **Chen Q.**, Bloodworth J.R., Covington J., Vaughan D.E. (2007) "Markedly Impaired Fibrinolytic Balance Contributes to Cardiovascular Risk in Adults with Growth Hormone Deficiency". *Journal of Clinical Endocrinology and Metabolism*. 3633-3639.
8. **Chen Q.**, Ibrahim, J. G., Chen, M.-H., Senchaudhuri, P. (2008) "Theory and Inference for Regression Models with Missing Response and Covariates". *Journal of Multivariate Analysis*. 99(6). 1302-31.
9. Ali YS, Rembold KE, Wills MB, **Chen Q.**, Ayers CR, Rembold CM. (2008) "Clinical significance of mobile carotid echoes". *University of Virginia Journal of Medicine*. Oct;4:29-34. <http://www.healthsystem.virginia.edu/internet/jom/vol4/JoM-v4-Oct-2008.pdf>
10. Johnson K., Chark D., MSc, **Chen Q.**, Broussard A., Rosenbloom T. (2008) "Performing Without a Net: Transitioning Away From a Health Information Technology-Rich Training Environment". *Academic Medicine*. 83(12),
11. Shinall M.C., Peters T.R. Zhu Y., **Chen Q.**, Poehling K.A. (2008) "Potential Impact of Accelerating the Primary Series of Pertussis Vaccine in Infants". *Pediatrics*. 122(5), 1021-6.
12. Halasa N., Gerber M., **Chen Q.**, Wright P., Edwards K. (2008) "Safety and immunogenicity of trivalent inactivated influenza vaccine in infants". *Journal of Infectious Diseases*. 197(10), 1448-1454.
13. Devin J.K., Vaughan D.E., Blevins L.S., **Chen Q.**, Covington J., Verity D.K., Young P.P. (2008) "Low-Dose Growth Hormone Administration Mobilizes Endothelial Progenitor Cells in Healthy Adults". *Growth Hormone and IGF Research*. 18(3), 253-263.
14. Zeng, D., **Chen Q.**, Ibrahim, J. G. (2009) "Gamma frailty transformation models for multivariate survival times". *Biometrika*. 96(2):277-291.
15. Janssen K.J.M., Vergouwe Y., Donders A.R.T., Harrell F.E. Jr., **Chen Q.**, Grobbee D.E., Moons K.G.M. (2009) "Dealing with missing predictor values when applying clinical prediction models". *Clin Chem*. 2009 May;55(5):994-1001.
16. Miller E.K., Khuri-Bulos N., Williams J.V. Shehabi A.A., Faouri S., Jundi I.A., **Chen Q.**, Heil L., Mohamed Y., Morin L., Ali A., Halasa N.B. (2009) "Human Rhinovirus C Associated with Wheezing in Hospitalized Children in the Middle East", *J Clin Virol.*, 46(1):85-9.
17. Talbot H.K., Poehling K.A., Williams J.V., Zhu Y., **Chen Q.**, McNabb P., Edwards K.M., Griffin M.R. (2009) "Influenza in Older Adults: Impact of Vaccination of School Children". *Vaccine*. 27(13):1923-7.

18. Janssen, K.J.M., Donders, A.R.T., Harrell, F.E., Vergouwe, Y., **Chen Q.**, Grobbee, D.E., Moons, K.G.M. (2010) "Missing covariate data in medical research: To impute is better than to ignore ". *J Clin Epidemiol.* 63(7):721-7.
19. Zeng, D., **Chen Q.**\* (2010) "Adjustment for Missingness Using Auxiliary Information in Semiparametric Regression". *Biometrics.* 66(1):115-22.  
\* **Corresponding Author.**
20. Stenner S.P., **Chen Q.**, Johnson K.B. (2010) "The Impact of an Electronic Prescribing Intervention on Generic Medication Prescribing Behavior", *J Am Med Inform Assoc.* 17(6):681-8.
21. Rosenbloom S., McGregor T., **Chen Q.**, An A., Hsu S., Dupont W. (2010) "Specialized Pediatric Growth Charts For Electronic Health Record Systems: the example of Down Syndrome". *AMIA Annu Symp Proc.* 687-91.
22. Petty, T., Callahan, S.T., **Chen Q.**, Edwards, K.M., Dempsey, A. (2010) "Assessment of Parental Acceptance of a Potential Cytomegalovirus Vaccine for Adolescent Females Vaccine". *Vaccine.* 28(35):5686-90.  
**This paper received New Investigator Award from Society for Adolescent Medicine at 2010.**
23. Ali SA, Williams JV, **Chen Q.**, Faori S, Shehabi A, Jundi EA, Khuri-Bulos N, Halasa N. (2010) "Human Metapneumovirus in Hospitalized Children in Amman, Jordan". *J Medical Virology,* 82:1012-6.
24. Khuri-Bulos N, Williams JV, Shehabi AA, Faouri S, Al Jundi E, Abushariah O, **Chen Q.**, Ali SA, Vermund S, Halasa NB. (2010) "Burden of RSV in Hospitalized Infants and Young Children in Amman, Jordan", *Scand J Infect Dis.,* 42(5):368-74.
25. Li J, Solus J, Chen Q, Rho YH, Milne G, Stein CM, Darbar D. (2010) "Role of inflammation and oxidative stress in atrial fibrillation". *Heart Rhythm.,* 7(4):438-44
26. Talbot H., Griffin M., **Chen Q.**, Zhu Y., Williams J., Edwards K. (2011) "Effectiveness of Seasonal Vaccine in Preventing Confirmed Influenza-Associated Hospitalizations in Community Dwelling Older Adults". *Journal of Infectious Diseases. J Infect Dis.* 203(4):500-8.
27. Griffin M.R., Monto A.S., Belongia E.A., Treanor J.J., **Chen Q.**, Chen J., Talbot H.K., Ohmit S.E., Coleman L.A., Lofthus G., Petrie J.G., Meece J.K., Hall C.B., Williams J.V., Gargiullo P., Berman L.S., and Shay D.K. (2011) "Effectiveness of Non-adjuvanted Pandemic Influenza A (H1N1) Vaccines in Preventing Medically Attended Pandemic Influenza Virus Associated Acute Respiratory Illness in 4 US Communities". *PLoS ONE.* 6(8):e23085.
28. Xu H., Fu Z., Shah A., Chen Y., Peterson N.B., **Chen Q.**, Mani S., Levy M., Dai Q., Denny J. (2011) "Extracting and integrating data from entire electronic health records for detecting colorectal cancer cases". *AMIA Annu Symp Proc. AMIA Annu Symp Proc.* 1564-72.
29. Johnson K.B., Unertl K.M., **Chen Q.**, Lorenzi N.M., Nian H., Mrisse M., (2011) "Health Information Exchange Usage in Ambulatory Settings: the Who, What and Why". *J Am Med Inform Assoc.* 18(5):690-7.
30. Gadd C.S., Ho Y.-X., Cala C.M., Blakemore D., **Chen Q.**, Frisse M., Johnson K.B., (2011) "Users perspectives on the usability of a regional health information exchange". *J Am Med Inform Assoc.* 2011 Sep-Oct;18(5):711-6. Epub 2011 May 27.

31. Zeng D., **Chen Q.**, Chen M.-H., Ibrahim J.G., the Amgen Research Group (2011) “Estimating treatment effects with treatment switching via semi-competing risks models: an application to a colorectal cancer study”. *Biometrika*, 99(1):167-184.
32. Frisse M., Johnson K., Nian H., Davidson C., Gadd C.S., Unertl K., Turri P.A., **Chen Q.**, (2011) “The financial impact of health information exchange on emergency department care”. *J Am Med Inform Assoc.* 2012 19(3): 328-33.
33. Muldowney J.A.S., **Chen Q.**, Blakemore D.L., Vaughan D.E., (2012) “Pentoxifylline Lowers Plasminogen Activator Inhibitor-1 Levels in Obese Individuals: A Pilot Study”. *Angiology.* 2012 Feb 17. [Epub ahead of print]
34. Smith J.P., Haddad E.V., Taylor M.B., Oram D., Blakemore D., **Chen Q.**, Boutaud O., Oates J.A., (2012) “Suboptimal Inhibition of Platelet Cyclooxygenase-1 by Aspirin in Metabolic Syndrome”. *Hypertension.* 2012 Mar; 59(3):719-25.
35. Wu H.\* , **Chen Q.**\* <sup>a</sup>, Ware L.B., Koyama T. “A Bayesian Approach for Generalized Linear Model with Independent Biomarker Measurement Variables Subject to Detection-Limit – an Application to Acute Lung Injury“. *Journal of Applied Statistics.* 39(8): 1733-1747.  
\* **Co-first author**; <sup>a</sup> **corresponding author**.
36. Liu M., Shah A., Peterson N. B., Dai Q., Aldrich M.C., **Chen Q.**, Bowton E.A., Liu H., Denny J.C., Xu H.. A study of transportability of an existing smoking status detection module across institutions. *AMIA Annu Symp Proc.* 2012. In Press.
37. Xu H., Aldrich M.C., **Chen Q.**, Peterson N.B., Dai Q., Levy M., Shah A., Han X., Li Y., Friedman C., Liu H., Denny J.C.. Electronic health record data suggests metformin improves cancer survival: A new model for drug repurposing studies. *AMIA Annu Symp Proc,* 2012. In Press.

### **Under Revision**

1. Chen M.-H., **Chen Q.**, Ohlssen D., Ibrahim J.G. (2012) “Bayesian Modeling and Inference for Data with Informative Treatment Switching or Dropout. Invited revision for *Statistics in Medicine*.
2. **Chen Q.**, Zeng D., Akacha M., Schmidli H., and Ibrahim J.G., (2012) “Estimating Time-varying Effects for Overdispersed Recurrent Events Data with Treatment Switching”. Invited revision for *Biometrika*.
3. **Chen Q.**, Ibrahim, J. G. (2012) “A Note on the Relationships Between Multiple Imputation, Maximum Likelihood and Fully Bayesian Methods for Missing Responses in Linear Regression Models”. Invited revision for *Statistics and Its Interface*.
4. Mani S., Ozdas A., Aliferis C., Varol A., **Chen Q.**, Carnevale R., Chen Y., Weitkamp J.-H. “Medical Decision Support Using Machine Learning for Early Detection of Late Onset Neonatal Sepsis”, Invited revision for *J Am Med Inform Assoc*.



## Submitted

1. Zhang Y., Chen M.-H., Ibrahim J.G., Zeng D., **Chen Q.**, Pan Z, and Xue X. (2012) “Bayesian Semi-Competing Risks Frailty Models for Survival data with Treatment Switching”. Submitted.
2. **Chen Q.**, Zeng D., Ibrahim J.G., Chen M-H, Pan Z. and Xue X. (2012) “Quantifying time-varying hazard ratios via a class of transformations”. Submitted.
3. McPeck Hinz E.R., Matheny M.E., Peterson J.F., Lorenzi N., Spickard A., Nian H., **Chen Q.**, Gregg W.M., Denny J.C. (2012) “Risk Stratification of Primary Care Patients Using an Electronically Adapted Mortality Risk Index”. Submitted.
4. Mulvaney S.A., Ho Y.-X., Cala C., **Chen Q.**, Nian H., Patterson B., Johnson K.B. “Assessing Adolescent Asthma Symptoms and Adherence Using Mobile Phones”. Submitted.
5. Talbot H.K., Zhu Y., **Chen Q.**, Williams J.V., Shay D., Griffin M.R. “Trivalent Influenza Vaccine Effectiveness for the prevention of hospitalizations for the 2011-2012 influenza season“. To be submitted.

## Work in Progress

1. **Chen Q.**, Zeng D., Nian H., Chen N. (2012) “A New Doubly Robust Approach for Verification Bias Correction”. In preparation.
2. **Chen Q.**, Zhu Y., Talbot H.K., Arbogast P.G., Griffin M.R., Harrell F.E. Jr. (2012) “Too Many Covariates and Too Few Cases? – A Comparative Study”. In preparation.
3. Amgen Research group, Zeng D., **Chen Q.**, Chen M-H, Ibrahim J.G. (2012) “A Simulation Study to Evaluate Survival Analysis Methods for Randomized Clinical Trials with Treatment Switching”. In preparation.
4. **Chen Q.**, Nian H., Xu H. (2012) “Effects of Missing Covariates in Data Mining – an Application to EMR”, In preparation.
5. **Chen Q.**, Nian H., Xu H. (2012) “A New Doubly Robust Approach for Missing Covariates in Data Mining – an Application to Cancer EMR”, In preparation.
6. **Chen Q.**, Wu H. (2012) “A Bayesian Approach for Censored Biomarker Measurements in Survival Models“. In preparation.

## Presentations

### Invited Presentations

1. Generalized Mixed Model in Splus/R, Western Psychiatric Institute and Clinic, University of Pittsburgh, August, 2001.
2. Theory and Inference for Parametric and Semiparametric Methods in Missing Data Problems, University of Connecticut, Storrs, CT, February, 2005.

3. Theory and Inference for Parametric and Semiparametric Methods in Missing Data Problems, Vanderbilt University, Nashville, TN, March, 2005.
4. Theory and Inference for Parametric and Semiparametric Methods in Missing Data Problems, University of Florida, Gainesville, FL, March 2005.
5. Theory and Inference for Parametric and Semiparametric Methods in Missing Data Problems, University of Michigan, Ann Arbor, MI, April 2005.
6. Small Sample and Asymptotic Relationships between Multiple Imputation, Maximum Likelihood and Fully Bayesian Methods for Missing Data in Linear Regression Models, Joint Statistical Meeting, Minneapolis, Minnesota, August 2005.
7. Statistical Modeling – An Example on Respiratory Syncytial Virus (RSV) Study, Meharry University, Nashville, TN, October 2008.
8. Sieve Maximum Likelihood Estimation for Regression Models with Covariates Missing at Random, IMS-China Conference, Weihai, Shangdong, P.R.China, July 2009.
9. An Alternative Double Robust Method for Estimating Population Means from Imcomplete Data, George Mason University, Fairfax, VA, April 2010.
10. Gamma Frailty Transformation Models for Multivariate Survival Times, National University of Singapore, Singapore, May 2010.
11. Estimating treatment effects with treatment switching via semi-competing risks models: an application to a colorectal cancer study. International Chinese Statistical Association, Boston, Massachusetts, June 2012.

#### Contributed Presentations

1. Semiparametric Models for Missing Covariates in Regression Models, Eastern North American Region Meeting, Pittsburgh, PA, March 2004.
2. Semiparametric Models for Missing Covariates in Generalized Linear Mixed Models, Joint Statistical Meeting, Toronto, Canada, August 2004.
3. Small Sample and Asymptotic Relationships between Multiple Imputation, Maximum Likelihood and Fully Bayesian Methods for Missing Data in Linear Regression Models, Eastern North American Region, Austin, TX, March 2005.
4. Sieve Maximum Likelihood Estimation for Missing Covariates in Regression Models, Eastern North American Region, Tampa, Florida, March 2006.
5. Sieve Maximum Likelihood Estimation for Missing Covariates in Regression Models, Joint Statistical Meeting, Seattle, Washington, August 2006.
6. A Bayesian Approach for Generalized Linear Model with an Explanatory Biomarker Measurement Variable Subject to Detection Limit – an Application to Acute Lung Injury. Eastern North American Region, Miami, FL, March 2011.
7. A New Approach to Adjust for Verification Bias in Assessment of Binary Diagnostic Tests. Eastern North American Region, Washington D.C., April 2012.

8. Too Many Covariates and Too Few Cases? – A Comparative Study. Joint Statistical Meeting, San Diego, August 2012.

#### Intramural Presentations

1. An Alternative Double Robustness Method for Estimating Population Means from Incomplete Data, October, 2006.
2. Gamma Frailty Transformation Models for Multivariate Survival Times, December, 2009.
3. Missing Data – When Can You Worry Less, April, 2011.
4. Estimating treatment effects with treatment switching via semi-competing risks models: An application to a colorectal cancer study, May, 2012.

October 17, 2012