

CURRICULUM VITAE
GUANMIN CHEN, MD, PhD, MPH

BIOGRAPHICAL DATA

Nationality: Canadian
Address: RM# 1101 South Tower, Foothills Medical Centre
1403-29 St. NW Calgary, Alberta, T2N 2T9, Canada
Telephone: (403) 944-5940 (Office)
Fax: (403) 210-9837

E-mail: guchen@ucalgary.ca

Primary Appointment: Senior Biostatistician
Research Facilitation, Alberta Health Services
Secondary Appointment: Adjunct Research Assistant Professor
Department: Community Health Sciences
Faculty: Cumming School of Medicine
Institution: University of Calgary

ACADEMIC APPOINTMENTS, CANADA

2008-Present: Adjunct Research Assistant Professor
Department of Community Health Sciences
University of Calgary, Canada
2014-Present: Senior Biostatistician, Research Facilitation
Alberta Health Services
2012-2014: Lead Biostatistician, Libin Institute Analysis Centre,
Libin Cardiovascular Institute of Alberta
University of Calgary
2007-2012: Lead Biostatistician, Hypertension Outcomes Surveillance Team
Department of Community Health Sciences
University of Calgary, Canada

ACADEMIC APPOINTMENTS, OUTSIDE CANADA

2000- 2007: Professor
Department of Biostatistics and Epidemiology
School of Public Health
Wuhan University, China
2004- 2005: Visiting Scientist
Center for Injury Research and Policy
Columbus Children's Research Institute
Ohio State University, United States.
2000-2000: Visiting Scientist
Institute of Public Health
Gent University, Belgium
1998-2000: Associate Professor
Department of Biostatistics and Epidemiology
School of Public Health
Wuhan University, China
1988-1998: Instructor & Lecturer
Department of Biostatistics and Epidemiology

Hubei Medical University, China

ACADEMIC EDUCATION

- 1994-1997: PhD in Biostatistics and Epidemiology-Health Research Methodology
West China University of Medical Science, China
- 1991-1994: Master Degree in Biostatistics and Epidemiology
Department of Biostatistics and Epidemiology
Tongji Medical University, China
- 1983-1988: Bachelor of Medicine (Major: Public Health)
Henan Medical University, China

RESEARCH GRANTS AS PI

1. Principal Investigator: The gender difference in vascular risk factors, early cognitive impairment and progression to dementia. CIHR \$69,876 2017-2018
2. Principal Investigator: Developing a vascular risk factor surveillance system: Exploring the "big data". Clinical Research Fund Seed Grant, Calgary Centre for Clinical Research (CCCR) University of Calgary \$27,400, 2016-2018
3. Principal Investigator: Hypertension treatment and dementia: a large population-based longitudinal study. Kathy Taylor Chair in Vascular Dementia Research , \$20,000, 2014-2015
4. Principal Investigator: An enhanced method to measure chronic disease burdens using health administrative data. CIHR, \$186,000, 2013-2016
5. Principal Investigator: An enhanced surveillance method to measure chronic disease burdens among Albertans based on health administrative data .Bridge Funding, Faculty of Medicine, University of Calgary, \$15,000, 2012-2014

RESEARCH GRANTS, COMPLETED

1. Co- Investigator: United States/China Agricultural Injury Research Training Project. National Institute of Health (NIH), \$750,000, 2007-2011, Principal Investigator: Lorann Stallones
2. Co- Investigator: Sleep patterns and farm work-related injuries among middle schools students in China. Centers for Disease Control and Prevention, United States, \$35,000, 2007-2009, Principal Investigator: Huiyun Xiang
3. Principal Investigator: Methods for health risk assessment. Chinese Academy of Sciences, \$15,000, 2005-2007
4. Principal Investigator: Risk behavior and health promotion for HIV/AIDS among residents in rural area of China. Chinese Center for Disease Control and Prevention (China CDC), \$12,000, 2005-2007
5. Principal Investigator: Causal effects for prognosis of diabetes: A structural equation model and multilevel model analysis. Hubei Province Natural Science Funding, \$7,900, 2004-2006
6. Co- Investigator: Effects of evaluation for smoking intervention among medical students. USA-China health project, \$15,000, 2002-2006. Principal Investigator: Wang, Zengzen.
7. Principal Investigator: Community-based intervention effect and prognosis for patients with diabetes mellitus. Hubei Province Natural Science Funding, \$9,000, 2004-2006
8. Principal Investigator: Prognosis analysis of diabetes using multistate proportional hazard regression model. Hubei Province Natural Science Funding, \$6,800, 2000-2002
9. Co- Investigator: Socioeconomic status and the health of veteran in China. Ministry Health of China, \$6,000, 1997-2000. Principal Investigator: Mao, Zongfu

SUPERVISING & CONSULTATION (University of Calgary, Canada)

1. Statistical Consultation with Trainees and Research Staff
2. Outreach: Research Method for Public Health Journal Club (3 sessions, 6 hours)
3. Workshop Facilitator: Statistical Workshop for Library Staff at Health Sciences Library, University of Calgary (six sessions, 10 hours, January to February 2012)
4. Workshop Facilitator: Statistical method for medical Research (Medical Graduate Associates) University of Calgary (six sessions, 12 hours, June to July 2013).

SUPERVISING (MPH Students, Wuhan University, China)

Supervised 1 PhD student and 10 MPH students

AWARDS & DISTINCTIONS

1. Distinguished Achievement Award of Teaching, Wuhan University, China, 2002
2. Young Innovator Award, Hubei Province, China, 1998
3. Distinguished Research Award, Hubei Medical University, China, 1997

PROFESSIONAL ACTIVITIES

1. Reviewer, CIHR project grant, Institute of Health Services and Policy Research (2016-present)
2. Board Member, Data and Safety Monitoring Board, Randomized double-blind study investigating dose-dependent longitudinal effects of vitamin D supplementation on bone health (2014-present)
3. Member, International Methodology Consortium for Coded Health Information (2009-present)
4. Member, Canadian Hypertension Education Program Outcomes Research Task Force, Hypertension Canada (2007-present)
5. Graduate Education Admissions Application Review Committee, Department of Community Health Sciences, University of Calgary (2015-present)
6. Member, American Statistical Association (2014-Present)
7. Member, O'Brien Institute for Public Health (2009-present)
8. Member, Libin cardiovascular Institute (2014-Present)

ACADEMIC JOURNAL MANUSCRIPT REVIEW

1. Circulation
2. Hypertension
3. American Journal Cardiology
4. American Journal of Public Health
5. Public Health
6. BMC Medical Research Methodology
7. BMC Health Services Research
8. Diabetes Research and Clinical Practice
9. International Journal of Environmental Research and Public Health
10. Primary Diabetes Care

PEER-REVIEWED PUBLICATIONS

1. Peng M, **Chen G**, Tang K, Quan H, Smith E, Faris P, Hachinski V, Campbell, N. Blood pressure at age 60-65 versus age 70-75 and vascular dementia: a population based observational study, Stroke(Submitted)
2. Liu Q, **Chen G**, Tang K, Quan H. Ethnic disparity for health resources utilization among newly diagnosed hypertension patients BMC Health Service Search (Submitted)
3. McChesney-Corbeil J, Barlow K, Quan H, **Chen G**, Wiebe S, Jette N. Validation of a Case Definition for Pediatric Brain Injury Using Administrative Data. Can J Neurol Sci. 2017;44(2):161-169
4. Rymkiewicz P, Ravani P, Hemmelgarn BR, McAlister FA, Southern DA, Walker R, **Chen G**, Quan H. Effects of longitudinal changes in Charlson comorbidity on prognostic survival model performance among newly diagnosed patients with hypertension. BMC Health Services Research, 2016; 16(1):671
5. **Chen G**. Influence of using different databases and 'look back' intervals to define comorbidity profiles for patients with newly diagnosed hypertension: Implications for health services researchers PLOS One 2016;11(9):e0162074
6. Wong JA, Quinn FR, Gillis AM, Burland L, **Chen G**, Wyse DG, Wilton SB. Temporal Patterns and Predictors of Rate vs Rhythm Control in Patients Attending a Multidisciplinary Atrial Fibrillation Clinic, Can J Cardiol. 2016;32(10): e7-e13.
7. Peng, M, **Chen G**, Lix LM, McAlister, Tu, K, Campbell NR, Hemmelgarn, Svenson LW, Quan H; Hypertension Outcome and Surveillance Team. Methods of defining hypertension in electronic medical records-validation against national survey data, Journal of Public Health. 2016; 38(3): e392-e399.
8. Peng, M, **Chen G**, Lix LM, McAlister, Tu, K, Campbell NR, Hemmelgarn, Svenson LW, Quan H; Hypertension Outcome and Surveillance Team. Refining hypertension surveillance to account for potentially misclassified cases. PLoS One. 2015 Mar 24;10(3)
9. Walker RL, **Chen G**, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H; Hypertension Outcome and Surveillance Team. Relationship between primary care physician visits and hospital/emergency use for uncomplicated hypertension, an ambulatory care-sensitive condition. Can J Cardiol. 2014; 30(12):1640-8.
10. Tu K, Anderson LN, Butt DA, Quan H, Hemmelgarn BR, Campbell NR, McAlister FA; Hypertension Outcome and Surveillance Team (**Chen G**: team member). Antihypertensive drug prescribing and persistence among new elderly users: implications for persistence improvement interventions. Can J Cardiol. 2014;30(6):647-52.
11. Liu Q, Quan H, **Chen G**, Qian H, Khan N. Antihypertensive medication adherence and mortality according to ethnicity: a cohort study. Canadian Journal of Cardiology 2014; 30(8): 925-31
12. Martin BJ, **Chen G**, Graham MM, Quan H. Coding of Obesity in Administrative hospital discharge abstract data: Accuracy and impact for future research studies. BMC Health Services Research BMC Health Services Research. 2014 Feb 13;14(1):70.
13. Clement FM, **Chen G**, Khan N, Tu K, Campbell N, Smith M, Quan H, Hemmelgarn BR, McAlister FA; Hypertension Outcome and Surveillance Team. Primary care physician visits by patients with incident hypertension. Canadian Journal of Cardiology 2014; 30(6): 653-60
14. Walker RL, **Chen G**, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H; Hypertension Outcome and Surveillance Team. Hospitalization for Uncomplicated Hypertension: An Ambulatory Care Sensitive Condition. Canadian Journal of Cardiology, Canadian Journal of Cardiology 2013; 29(11):1462-9.

15. Quan H, **Chen G**, Tu K, Bartlett G, Butt DA, Campbell NR, Hemmelgarn BR, Hill MD, Johansen H, Khan N, Lix LM, Smith M, Svenson L, Walker RL, Wielgosz A, McAlister FA; Hypertension Outcome and Surveillance Team. Outcomes among 3.5 million newly diagnosed hypertensive Canadians. *Canadian Journal of Cardiology*, 2013;29(5):592-7
16. Quan H, **Chen G**, Walker RL, Wielgosz A, Dai S, Tu K, Campbell NR, Hemmelgarn BR, Hill MD, Johansen H, McAlister FA, Khan N; Hypertension Outcome and Surveillance Team. Incidence, cardiovascular complications and mortality of hypertension by sex and ethnicity. *Heart*, 2013;99(10):715-21
17. Quan H, Smith M, Bartlett-Esquilant G, Johansen H, Tu K, Lix L; Hypertension Outcome and Surveillance Team(**Chen G**:team member). Mining administrative health databases to advance medical science: geographical considerations and untapped potential in Canada. *Canadian Journal of Cardiology*, 2012;28(2):152-4
18. Lix LM, Walker R, Quan H, Nesdole R, Yang J, **Chen G**, & CHEP ORTF Hypertension Outcomes and Surveillance Team. Features of physician services databases in Canada. *Chronic Diseases and Injuries in Canada* 2012;32(94):186-93.
19. Januel JM, **Chen G**, Ruffieux C, Quan H, Douketis J, Crowther M, Colin C, Ghali WA, Burnana B, for IMECCHI Group. Symptomatic In-Hospital Deep Vein Thrombosis and Pulmonary Embolism following Hip and Knee Arthroplasty among Patients Receiving Recommended Prophylaxis: A Systematic Review. *JAMA*, 2012; 307(3):294-303
20. Walker R, **Chen G**, Campbell N, Hemmelgarn B, McAlister F, Quan, H, Tu K, Khan N, Hemmelgarn B; Canadian Hypertension Education Program Outcomes Research Task Force. Canadian provincial trends in antihypertensive drug prescriptions between 1996 to 2006. *Canadian Journal of Cardiology* 2011; 27(4):461-7.
21. **Chen G**, McAlister FA, Walker RL, Hemmelgarn BR, Campbell N. Cardiovascular outcomes in Framingham participants with diabetes: the importance of blood pressure. *Hypertension* 2011; 57(5):891-7.
22. Campbell N, **Chen G**. Canadian Efforts to Prevent and Control Hypertension. *Canadian Journal of Cardiology*. 2010; 26(Suppl C):14C-17C.
23. Mohan S, **Chen G**, Campbell N, Hemmelgarn B. Regional variations in not treating diagnosed hypertension in Canada. *Canadian Journal of Cardiology*. 2010; 26(8):409-413.
24. **Chen G**, Khan N, Walker R, Quan H. Validating ICD coding algorithms for diabetes mellitus from administrative data. *Diabetes Research and Clinical Practice* 2010;89(2):189-95.
25. Lv Y, Zou Z, **Chen G**, Jia H, Zhong J, Fang W. Amlodipine and angiotensin-converting enzyme inhibitor combination versus Amlodipine monotherapy in Hypertension: A Meta-Analysis of Randomized Controlled Trials. *Blood Pressure Monitoring* 2010;15:195-204.
26. **Chen G**, Khan, N, King K, Brenda Hemmelgarn B, Quan H. Home care service utilization and congestive heart failure outcomes: comparing Asian and Other Canadian patients. *BMC Cardiovascular Disorder* 2010, 10:12.
27. **Chen G**, Campbell N. Hypertension surveillance and outcome: an administrative data approach. *International Journal of Cardiology*, 2009; 137 (supplement 1): S52.
28. Quan H, Khan N, Hemmelgarn B, Tu K, **Chen G**, Campbell N, Hill MD, Ghali WA, McAlister FA; Hypertension Outcome and Surveillance Team of the Canadian Hypertension Education Program. Validation of a case definition to define hypertension using administrative data. *Hypertension*, 2009; 54:1423-1428.
29. **Chen G**, Hemmelgarn B, Alhaider S, Quan H, Campbell N, Rabi D. Meta-analysis of adverse cardiovascular outcomes associated with antecedent hypertension after myocardial infarction. *American Journal of Cardiology* 2009; 104(1):141-147.
30. Postel MW, Jaung MS, **Chen G**, Yu S, Stallones L, Xiang H. Farm work-Related injury

- among middle school students in rural China. *Journal of Agricultural Safety and Health* 2009;15(2):129-142.
31. Stankus V, Hemmelgarn B, Campbell N, **Chen G**, McAlister F. Improving hypertension management and reducing cost. *Canadian Journal of Clinical Pharmacology* 2009;16(1):e151-e155.
 32. **Chen G**, Faris P, Hemmelgarn B, Walker R, Quan H. Measuring the agreement of administrative data with chart view using adjusted and unadjusted Kappa. *BMC Medical Research Method* 2009; 9(1):5.
 33. McAlister FA, Feldman RD, Wyard K, Brant R, Campbell NR; CHEP Outcomes Research Task Force (**Chen G**: team member). The impact of the Canadian Hypertension Education Programme in its first decade. *Eur Heart J*. 2009 Jun; 30(12):1434-9
 34. **Chen G**, Fei L, Ding D. The association of psychological symptoms and unintentional injury among elderly Chinese people. *International Journal of Injury Prevention and Promotion* 2008; 15(3):157-163.
 35. Hemmelgarn B, **Chen G**, Walker R, McAlister F, Quan H, Tu K, Khan N, Campbell N. Trends in antihypertensive drug prescriptions and physician visits in Canada between 1996 to 2006. *Canadian Journal of Cardiology* 2008; 24(6):507-512.
 36. **Chen G**, Sinclair S, Smith G, Kelleher K, Pajer, K, Gardner W, Xiang H. Personality disorders and nonfatal unintentional injuries among U.S. adults: results from national epidemiology survey on alcohol and related conditions. *Injury Prevention* 2008; 14:180-184
 37. Xiang H, **Chen G**, Smith G. A comparison of Clinical Treated Pediatric Injuries in the United States and China. *International Pediatrics* 2007; 22(4): 187-191.
 38. **Chen G**, Sinclair S, Smith G, Ranbom L, Xiang H. Incidence and patterns of burn injuries among children with disabilities. *Journal of Trauma* 2007;62(3):682-6.
 39. Stevens J, Kelleher K, Greenhouse J, **Chen G**, Xiang H, Kaizar E, Jensen P, Arnold E. Empirical evaluation of the generalizability of the sample from the Multimodal Treatment Study for ADHD. *Administration and Policy in Mental Health and Mental Health Service Research* 2007;34(3):221-32.
 40. **Chen G**, Smith G, Sinclair S, Ranbom L, Xiang H. Hospitalized ocular injuries among persons with low socioeconomic status: a Medicaid enrollees-based study. *Ophthalmic Epidemiology* 2006;13(3):199-207
 41. **Chen G**, Smith G, Deng S, Chen G, Kelleher K, Xiang H. Psychological symptoms and nonfatal unintentional injury among Chinese adolescent: a prospective study. *Journal of Adolescent Health* 2005;37(6): 460-466
 42. **Chen G**, Gary Smith, Shusong Deng, Sarah Hostetler, Huiyun Xiang. Nonfatal injuries among middle and high school students in Guangxi, China. *American Journal of Public Health* 2005;95(11):1989-1995
 43. Xiang H, Stallones L, **Chen G**, Hostetler S, Kelleher K. Nonfatal injuries among U.S. children with disabling conditions. *American Journal of Public Health* 2005;95(11): 1970-1975
 44. Xiang H, Stallones L, **Chen G**, Smith G. Work-related eye injuries treated in hospital emergency department in the US. *American Journal of Industrial Medicine* 2005; 48(1):57-62
 45. Xiang H, Smith G, Wilkins J, **Chen G**, Hostetler S, Stallones L. Obesity and risk of nonfatal unintentional injuries. *American Journal of Preventive Medicine* 2005; 29(1): 41-45
 46. Tan X, **Chen G**, Peng X, Wang F, Bi B, Tao N, et al.. Cross-sectional study of cardiovascular effects of carbon disulfide among Chinese workers of a viscose factory. *International Journal of Hygiene Environmental Health* 2004, 207(3):217-225.
 47. Tan X, Zheng Z, Hong Y, **Chen G**, Baglian C, Joyuex M. A medical behavior questionnaire

- survey of Chinese off-duty persons, *Safety Science Monitor* 2001; 6(1): 16-21
48. Rong Y, Wu X, **Chen G**, Zhao M, Wu X. Micosatellite instability and loss of heterozygosity of human leucocyte antigen class I gene in cervical carcinoma. *Chinese Journal of Medical Genetics* 2004, 21(4):342-346.(in Chinese)
 49. **Chen G**, Li K, Tan X. The Risk factors analysis of influencing the medical demand in countryside in China. *Chinese Journal of Public Health* 2003; 21; 339-341.(in Chinese)
 50. Zeng J, **Chen G**. The Compliance studies of the patients in the new medical service system in rureal in China. *Chinese Journal of New Drugs and Clinical Remedies* 2003; 5:123-125.(in Chinese)
 51. Zeng J, **Chen G**, Sun J. Medical service investigation of clinical doctor in the countryside in China. *Chinese Rural Health Service Administration* 2003; 2:37-39.(in Chinese)
 52. Zeng J, **Chen G**, Deng S. The Status of clinic units and health service in Yichang, China. *Rural Health Service Administration* 2003; 2:45-47.(in Chinese)
 53. Zeng J, **Chen G**, Song Q. The socioeconomic status of the doctors in clinic units in countryside. *Rural Health Service Administration* 2003; 2:3-5.(in Chinese)
 54. Fei L, **Chen G**, Li K, Tang X. The risk factors analysis of morbidity in the countryside residents using logistic regression model in Yichang, China. *Rural Health Service Administration* 2003; 2:52.(in Chinese)
 55. Sun J, **Chen G**, Wang L, Chen H, Yuan T. The investigation of health status of pregnancy in countryside. *Rural Health Service Administration* 2003; 2:59.(in Chinese)
 56. Fei L, **Chen G**, Chen H. The risk factors analysis of diabetes mellitus with complication of high blood pressure. *Journal of Mathematical Medicine* 2003; 13: 125-127.(in Chinese)
 57. Feng T, **Chen G**. The history and the development trends of the doctor in the clinic units in the countryside in China. *Acta of Chinese Medicine* 2003; 1:165-166.(in Chinese)
 58. Chen H, **Chen G**, Sun J. The investigation of latent health service demand. *Chinese Journal of Public Health* 2003; 19(9): 977-978.(in Chinese)
 59. Chen X, **Chen G**, Li Q. The psychological symptoms of evaluation for pregnancy: community-based intervention study. *Acta of Chinese Medicine* 2003; 9: 247-248.(in Chinese)
 60. Chen H, **Chen G**. The methods of teaching for the software SAS in the medical statistics class. *Northwest Medical Education* 2003; 3:16-17.(in Chinese)
 61. Zeng J, **Chen G**, Meng Q, Li R. The development of medical specialist system in the United States. *Continuous Medical Education*, 2003; 6:5-7.(in Chinese)
 62. Fei L, **Chen G**. The effects of health education on the psychological symptoms for the Diabetes mellitus. *Hubei Journal of Preventive Medicine* 2003; 2:2-5.(in Chinese)
 63. Deng S, Luo H, **Chen G**, Wang C, Li S, Tan X. The attitude and knowledge for SARS in the middle students in Wuhan. *Hubei Journal Preventive Medicine* 2003; 3:1. (In Chinese)
 64. Deng L, **Chen G**, Tan X. Life-quality and it's influencing factors for the Patients of NIDDM with Complication, *Chinese Journal of Public Health* 2002; 20: 157-158.(in Chinese)
 65. Deng L, **Chen G**, Tan X. Risk factor analysis of life quality for NIDDM, *Chinese Journal of Public Health* 2002; 20: 402-403.(in Chinese)
 66. Pen X, Tan X, **Chen G**. Epidemiological study of long-term exposure to lower concentration of carbon disulfide on cardiovascular system of workers in viscose rayon factory. *Chinese Journal of Public Health* 2001; 17: 647-648.(in Chinese)
 67. **Chen G**, Chen H, Mao Z. Canonical correlation analysis on psychological status and happiness of wounded veterans, *Chinese Journal Public Health* 2000; 16: 656-657.(in Chinese)
 68. Wang J, **Chen G**. Study on the latent variable nonlinear modeling, *Journal of Mathematical Medicine* 1999; 12: 1-3.(in Chinese)
 69. **Chen G**, Ni Z, Chen H. Prognosis analysis of the patients with impaired glucose tolerance:

- A follow-up study. Chinese Journal of Public Health 1999; 17: 324-356. (in Chinese)
70. **Chen G**, Chen H, Song Q. Ploychoric correlation coefficient and its estimation. Journal of Mathematical Medicine 1999; 12: 183-184.(in Chinese)
 71. **Chen G**, Zhang X, Chen H. Ployserial correlation coefficients and its estimation. Journal of Mathematical Medicine 1999; 12: 101-104.(in Chinese)
 72. **Chen G**, Ni Z, Zhang J, Wang J, Pan X. Type II diabetes mellitus risk factors analysis using causing model, Acta Academiae Medicinae Hubei 1999; 20: 189-190.(in Chinese)
 73. Xie J, **Chen G**, Chen H. Type II diabetes mellitus risk factors analysis using logistic regression model. Journal of New Medicine 1999; 9: 163-164.(in Chinese)
 74. **Chen G**, Chen H. The method of correcting weights for benefits evaluation for hospitals. Chinese Health Quality Management 1999; 4: 56-57.(in Chinese)
 75. **Chen G**, Ni Z, Zhang J. Risk factors analysis for NIDDM using multi-states Cox's proportional hazard regression model, Journal of Mathematical Medicine 1998; 11: 97-100.(in Chinese)
 76. **Chen G**, Ni Z, Zhang J. Risk factors for type II diabetes mellitus: linear structural Relationship model analysis, Journal Chinese of Health Statistics 1998; 15: 12-17. (in Chinese)
 77. Ding Y, Mao Z, **Chen G**. Cross-section investigation on the profile of using statistical methods in medical articles, Tianjin Medical Journal 1998; 26: 291-292.(in Chinese)
 78. Wang J, **Chen G**, Ni Z. Multiple sample analysis method of latent variable, Journal of Mathematical Medicine 1998; 11: 292-293.(in Chinese)
 79. **Chen G**, Yu S. Cox's proportional hazard model analysis on the factors influencing smoking relapse, Practical Preventive Medicine 1997; 4: 3-7. (in Chinese)
 80. **Chen G**, Ni Z. The logistic modeling of inter-observer agreement rate in clinical diagnosis, Journal of Mathematical Medicine 1997; 10: 111-112. (in Chinese)
 81. **Chen G**, Mao Z, Ding Y. Risk factor for chronic disease among aged people: Cox's proportional hazard regression model analysis. Chinese Journal of Public Health 1997; 14: 376-377.(in Chinese)
 82. Zhang J, **Chen G**, Ni Z, Zhen Z. The methods of teaching the course of medical statistics, Chinese Health Service Management 1997; 3:146-148.(in Chinese)
 83. Hao Y, Zhang Y, **Chen G**, Ni Z. Risk factor analysis of NIDDM using Cox's proportional regression model, Chinese Journal of Health Statistics 1997; 14: 15-18(in Chinese)
 84. **Chen G**, Xiang X, Yu S, Wang Z. A comparison of short-term effects for smoking intervention on patients between hospitals, Medicine of Chinese Civil Administration 1997; 9: 23-25.(in Chinese)
 85. Fei L, Shi L, **Chen G**. Evaluation of psychological symptoms among inpatients with NIDDM, Health Psychology 1997; 5: 118-119.(in Chinese)
 86. **Chen G**, Wang S. The methods of correction RR using positive predictive value for disease misclassification in epidemiological studies, Chinese Journal of Health statistics 1996; 13: 20-22. (in Chinese)
 87. **Chen G**, Yu S. A short-term effects evaluation for smoking intervention in medical professional workers in Wuhan China, Chinese Journal of Social Medicine 1996; 4: 56-58.(in Chinese)
 88. Du J, Ni Z, **Chen G**. Theory and practice for teaching the course of medical statistics for medical postgraduate, Northwest Medical Education 1996; 14: 24-5. (in Chinese)
 89. **Chen G**, Yu S. Intervention study on smoking in MFRIT, Chinese Journal of Health education 1995; 11: 7-9.(in Chinese)
 90. **Chen G**, Yu S. Statistical model in the smoking intervention. Journal of Mathematical Medicine 1995; 8:108-110.(in Chinese)
 91. **Chen G**, Yu S. The evaluation of smoking intervention among patients: logistic regression

- model analysis, Journal of Mathematical Medicine 1994; 7: 256-57. (in Chinese)
92. **Chen G**, Wang S. The risk factors analysis of deaf-mute for children, Acta of Hubei Medicine 1990; 11: 126-28. (in Chinese)

PUBLISHED BOOK CHAPTERS (In Chinese)

1. Medical Statistics (Second Edition) (Chapter 7, 9 and 11), People's Health Press, Beijing, 2005
2. Medical Statistics (Chapter 7, 9 and 11), Peoples Health Press, Beijing, 2000
3. Biostatistics (Chapter 4 and 9), Academy Press, Beijing, 2003
4. Applied Multivariable Statistics Analysis (Chapter 7, 8, 9, and 10), Hubei Science and Technology Press, Wuhan 1995
5. Methods for Clinical Research (Editor-in-Chief, Chapter 1, 3, 6, 7, 8, 9, 10, and 11), Henan Medical University Press, Zhengzhou 2000
6. Statistics and Application of Software SPSS 13.0 (Chapter 9 and 10), Peoples Health Press, Beijing, 2005
7. Preventive Medicine (Chapter 6, 7, 8, 9, and 10), Beijing University Press, Beijing, 2004
8. Public Health (Chapter 3, 4, 6 7 and 8), Hubei Science and Technology Press, Wuhan 2003

ORAL PRESENTATIONS FOR CONFERENCE (Most recent 3 years)

1. **Chen G**. Dyslipidemia incidence, prevalence, treatment adherence and patient's outcomes using EMR data. Research and Evaluation Committee, Hypertension Canada, Montreal, Canada. Oct 20, 2016.
2. Gerber B, Cowling T, **Chen G** et al. MS patient characteristics and healthcare resource utilization from administrative databases: Real-world evidence from Alberta, Canada. The 32nd Congress of the European Committee for Treatment and Research in Multiple Sclerosis. London, United Kingdom. September 14-17, 2016.
3. Gerber B, Cowling T, **Chen G** et al. The impact of treatment adherence on clinical and economic outcomes in Multiple Sclerosis: Real-world evidence from Alberta, Canada. The ISPOR 19th Annual European Congress. Vienna, Austria. October 29- November 2, 2016
4. Zeng Z, **Chen G**. Injury proneness and factors of physiology and psychology among college freshmen: A matched case-control study. 2014 Shanghai International Conference on Social Sciences (ICSS 2014), Shanghai China.
5. **Chen G**. Influence of using different databases and lookback intervals to define comorbidity for patients with newly diagnosed hypertension. **2014 International Health Data Linkage Conference**, Vancouver Canada, 2014
6. Kissel CK, **Chen G**. Outcomes and characteristics of patients with non-obstructive coronary artery disease presenting with stable angina and ACS. ESC Congress 2014, European Conference of Cardiology. Barcelona, Spain
7. **Chen G**. et al. A SAS macro to estimate proportional hazard regression models using administrative data, Research Methods for Public Health Journal Club, Calgary, 2012
8. **Chen G**. et al. A SAS macro to estimate the age- and sex-standardized person-years rate, Research Methods for Public Health Journal Club, Calgary, 2012
9. **Chen G**. et al. The accuracy of coded obesity in an administrative database, Canadian Association for Health Services and Policy Research (CAHSPR) Conference ,Halifax, 2011.
10. **Chen G**. et al. The template for analyzing the natural history and outcomes among hypertension incident cases, Public Health Agency of Canada, Toronto, 2011

11. **Chen G.** et al. Validating ICD coding algorithms for diabetes mellitus from administrative data. WHO- FIC network annual meeting, Toronto, 2010.
12. **Chen, G.** et al. Methodological consideration for identifying the “true” hypertension cases using administrative data, Public Health Agency of Canada, Toronto, 2010
13. **Chen G.** et al. The method for generating research cohort from administrative data using SAS, Public Chen, G. Health Agency of Canada, Vancouver, 2010
14. **Chen G.** et al. Is it “true” or “error”? The trends of mortality among hypertension cases, Research Methods for Public Health Journal Club, Calgary, 2009
15. **Chen G.** et al. Chen G. Hypertension surveillance and outcome: an administrative data approach. *World Hypertension Conference 2009*, Beijing, China, October 2009
16. **Chen G.** et al. Methodological issues for measuring health disparity, Research Methods for Public Health Journal Club, Calgary, 2009