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EDUCATION

University of North Carolina at Chapel Hill
Postdoctoral fellowship, Nutritional Epidemiology, March 2001 – July 2003

Tongji Medical University, Wuhan, China
PhD, Epidemiology, September 1993 – June 1996
MS, Biostatistics, September 1987 – June 1990
MD, Medicine, September 1982 – July 1987

WORK HISTORY

Research Assistant Professor, July 2008 –
Department of Nutrition, University of North Carolina at Chapel Hill

Research Associate/Project and Data Manager, December 2004 – June 2008
Carolina Population Center, University of North Carolina at Chapel Hill

Research Associate, March 2001 – November 2004
Carolina Population Center, University of North Carolina at Chapel Hill

Associate Professor, March 1998 – March 2001
Institute of Nutrition and Food Safety, China Centers for Disease Control and Prevention, Beijing, China

Assistant Professor, July 1996 – March 1998
Institute of Nutrition and Food Safety, China Centers for Disease Control and Prevention (Former Institute of Nutrition and Food Hygiene, Chinese Academy of Preventive Medicine), Beijing, China

Junior Faculty Member, September 1990 – June 1996
Department of Biostatistics and Epidemiology, Tongji Medical University, Wuhan, China

RESEARCH EXPERIENCE (selected from over 20 research projects)

China Childhood Obesity Survey, September 2002 – June 2007
This project was designed to examine the dynamic effects of environmental factors on childhood obesity in China.

Role: PI

The Built Environment and Diet, Physical Activity, and Obesity, December 2004 – present
Four ongoing projects under this category are designed to explore the effects of physical environmental factors on diet and physical activity and then on obesity.

Role: Project Manager

China Health and Nutrition Survey, July 1996 – present
This ongoing project is designed to see how the social and economic transformation of Chinese society is affecting the health and nutritional status of its population.

Role: Project/Data Manager

Physical and Nutritional Status of Chinese Residents, July 1999 – March 2001
This project was designed to build a database of the health and nutritional status of Chinese population and to examine the effects of social and environmental factors on obesity.

Role: Co-PI

Epidemiological Study on Human Prostate Cancer, September 1993 – June 1996
This project was designed to study the prevalence and risk factors of human prostate cancer and to study the risk factor of survival of patients with prostate cancer.

Role: PI

AD-HOC JOURNAL REVIEWER

Social Science and Medicine
American Journal of Public Health
International Journal of Behavioral Nutrition and Physical Activity

PUBLICATIONS

1. Parvanta SA, Brown JD, **Du S,** Zimmer CR, Zhao X, Zhai F. TV Use and Snacking Behaviors Among Children and Adolescents in China. Journal of Adolescent Health (under review).
2. Zhai F, Wang H, **Du S,** He Y, Wang Z, Ge K, Popkin BM. Prospective study on nutrition transition in China. Nutr Rev. 2009; 67(Suppl 1): S56-61.

3. Wang Z, Zhai F, **Du S,** Popkin BM. Dynamic shifts in Chinese eating behaviors. Asia Pac J Clin Nutr. 2008; 17(1): 123-130.
4. Wang H, **Du S**, Zhai F, Popkin BM. Trends in the distribution of body mass index among Chinese adults, aged 20-45 years (1989-2000). Int J Obes (Lond). 2007; 31(2): 272-8.
5. Zhai F, Wang H, **Du S**, He Y, Wang Z, Ge K, Popkin BM. Lifespan nutrition and changing socio-economic conditions in China. Asia Pac J Clin Nutr. 2007; 16 Suppl 1:374-82.
6. Tudor-Locke C, Ainsworth BE, Adair LS, **Du S,** Lee N, Popkin BM. Cross-sectional comparison of physical activity and inactivity patterns in Chinese and Filipino youth. Child Care Health Dev. 2007; 33(1): 59-66.
7. Popkin BM, Kim S, Rusev ER, **Du S,** Zizza C. Measuring the full economic costs of diet, physical activity and obesity-related chronic diseases. Obes Rev. 2006; 7(3):271-93.
8. Wang HJ, Zhai FY, **Du SF,** Wang ZH. Trend of distribution of body mass index among Chinese adults in some provinces from 1989 to 2000. Journal of Hygiene Research. 2006; 35(6):794-7.
9. Zhai F, Wang H, Wang Z, He Y, **Du S**, Yu W, Li J. Trends and policy implications of dietary status in Chinese residents. Food and Nutrition in China. 2006; 5: 4-6.
10. Zhai F, Wang H, **Du S**, He Y, Wang Z, Ge K, Popkin BM. Dietary patterns and nutritional status of Chinese population. Journal of Medical Research. 2006; 35(5): 3-6.
11. Wang HJ, Zhai FY, He Y, **Du S,** Hao H. Trends in Overweight among Chinese Adult in some provinces from 1989 to 2000. Acta Nutrimenta Sinica. 2004; 26(5): 321-332.
12. **Du S,** Mroz T, Zhai F and Popkin BM. Rapid income growth adversely affects diet quality in China—particularly for the poor! Social Sciences and Medicine. 2004; 59: 1505-1515.
13. Wang Z, Hao H, **Du S**, Zhai F. Comparative study on different overweight reference applied on analyzing growth of Chinese children and adolescents. Journal of Hygiene Research. 2004; 33(6): 740-743.
14. Hao H, Wang H, Zhai F, **Du S,** Yu W. The dietary and nutrition status and the dynamic trends of the adult women in rurual area: an eight provinces case study in China. Food and Nutrition in China. 2004; 52(1): 43-46.
15. Wallingford, JC, Yuhas R, **Du S,** Zhai F, and Popkin BM. Fatty acids in Chinese edible oils: Evidence for unexpected impact in changing diet. Food and Nutrition Bulletin. 2004; 25(4): 330-336.
16. Wang HJ, Zhai F, and **Du S.** The changing trend of food consumption in Chinese adult. Nutrition Newslette. 2004; 22(3): 30-32.
17. Wang H, Zhai F, **Du S,** Wang Z, HeY. Trends in overweight among Chinese adults in some provinces from 1989 to 2000. Acta Nutrimenta Sinica. 2004; 26: 329-332.
18. Waller CW, **Du S,** and Popkin BM. Patterns of Overweight, Inactivity, and Snacking in Chinese Children. Obesity Research. 2003; 11: 957-961.
19. Tudor-Locke C, Ainsworth BE, Adair LS, Popkin BM, **Du S.** Physical activity and inactivity in Chinese school-aged youth: The China Health and Nutrition Survey. International Journal of Obesity. 2003; 27: 1093-1099.
20. Popkin BM and **Du S.** Dynamics of the nutrition transition toward the animal foods sector in China and its implications: A worried perspective. Journal of Nutrition, 2003; 133: 3898s-3906s.

21. Hao H, **Du S,** Fu D, Jia F, Wang C, Zhai F. Why prevalence of anemia is low in women in Ningxia. Disease Survillance. 2003; 12: 14-16.
22. Wang H, Zhai F, **Du S**, Ge K, Popkin BM. The changing trend of dietary fat intake of Chinese population – An eight provinces case study in China. Acta Nutrimenta Sinica. 2003; 26: 329-332.
23. **Du S,** Lu B, Zhai F, and Popkin BM. The nutrition transition in China: a new stage of the Chinese diet. In Caballero B and Popkin BM eds. The Nutrition Transition: Diet-Related Diseases in the Modern World. London, Academic Press, 2002. P205-221.
24. **Du S,** Lu B, Zhai F, and Popkin BM. A new stage of the nutrition transition in China. Public Health Nutrition. 2002; 5(1A): 169-174.
25. Zhai F, Fu D, **Du S,** Ge K, Chen C, Popkin BM. What is China doing in policy-making to push back the negative aspects of the nutrition transition? Public Health Nutrition. 2002; 5(1A): 273-277.
26. Wang H, Zhai F, and **Du S.** Shifts in dietary structure of Chinese adults in eight province. Acta Nutrimenta Sinica. 2002; 24(4): 342-346.
27. **Du S,** Lu B, Wang Z, Zhai F, Popkin BM. Transition of dietary pattern in China. Journal of Hygiene Research. 2001; 30(4): 221-225.
28. **Du S,** Zhai F, Ge K, Chen C. Distributions of body mass index of Chinese adults. Journal of Hygiene Research. 2001; 30(6): 339-342.
29. Zhao L, Hao H, **Du S,** Zhai. Distribution and trends of body mass index in adults of eight provinces in China. Food and Nutrition in China. 2001; 4: 3-5.
30. **Du S,** Zhai F, Wang Y, Popkin BM. Current methods for estimating dietary iron bioavailability do not work in China. Journal of Nutrition. 2000; 130(2): 193-198.
31. Zhai F, Wang H, and **Du S.** Analysis of nutritional status of Chinese women. China Food and Nutrition. 2000; 1: 1-5.
32. Wang H, Zhai F, and **Du S.** Impacts of social-economic level on nutritional status of Chinese women. Foreign Medical Sciences—Hygiene Section. 2000; 6: 220-224.
33. Luo W, Zhai F, Jin S, Yu W, Ma L, **Du S.** The intra-household food distribution in Chinese adult and its determinants. Acta Nutrimenta Sinica. 2001; 4: 358-362.
34. Zhao L, Zhai F, Hao H, **Du S,** He Y, and Li Y. The influential factors for the growth and development of preschool children in the poor areas of China. Acta Nutrimenta Sinica. 1999; 21(3): 299-305.
35. **Du S.** Growth and development of children and adolescents of 0-18 years old. In Ge Keyou ed. The Dietary and Nutritional Status of Chinese Population B Children and Adolescents. Volume 2. Beijing, People's Medical Publishing House. 1999. P12-24.
36. **Du S** and Shi L. Progress of epidemiological study on prostate cancer: A review. In Li Zhu ed. Progress of Epidemiology, volume 9. Beijing, China Science and Technique Publishing House. 1998. P71-86.
37. **Du S,** Shi L, Zhu W, and Zhai F. Epidemiological study on human prostate cancer in Wuhan City. Journal of Hygiene Research. 1997; 26(5): 356-359.
38. **Du SF,** Shi LY, Zhang HJ and He SP. Study on quality of life in patients with prostate cancer. Chinese Journal of Epidemiology. 1997; 18(2): 95-97.
39. **Du S,** Shi L, Zhang H, and He S. Relationship between dietary nutrients intake and human prostate cancer. Journal of Hygiene Research. 1997; 26(2): 122-125.

40. **Du S,** Shi L, Zhang H, He S, and Zhai F. Survival analysis of patients with prostate cancer. Chinese Journal of Epidemiology. 1997; 18(suppl): 571-572.
41. **Du S.** Study progress on molecular biology of prostate cancer: A review. Foreign Medical Sciences— Cancer Section. 1997; 24(suppl): 302-304.
42. **Du S,** Zhai F, Yan H, and Lin H. Physical status of preschool children in China. Journal of Hygiene Research. 1996; 25(suppl): 98-102.
43. **Du S,** Shi L, Zhang H, Zhang Z, and Zuo J. Analysis of risk factors of prostate cancer. Chinese Journal of Epidemiology. 1996; 17(suppl): 232-233.
44. **Du SF,** Shi LY, He SP, Zhang HJ, Zhang ZQ, and Zuo JM. A case-control of prostate cancer. Chinese Journal of Epidemiology. 1996; 17(6): 343-345.
45. **Du S.** Epidemiological research on prostate cancer: A review. Foreign Medical Sciences— Social Medicine Section. 1995; 12(2): 60-64.
46. Li C, Fang P, **Du S,** Jia G, and Liu X. A study on human resources of grassroots and middle-level maternal and child health care institutes in China. Medicine and Society. 1995; 8(3): 5-8.
47. Fang P, Li C, **Du S,** Wu S, and Liu X. The evaluation of maternal and child health service utilization in Chinese urban and rural areas. Medicine and Society. 1995; 8(3): 9-12.
48. **Du S,** Li C, Fang P, Hu M, and Liu X. A study on the index system of maternal and child health service in Chinese urban and rural areas. Medicine and Society. 1995; 8(3): 13-16.
49. Li Z, and **Du S.** Study of urban marriage. Sociology and Social Survey. 1994; 6: 47, 65-69.
50. **Du S,** Liu X, Hu Q, and Pi Y. Epidemiological study on the risk factors of postpartum hemorrhage. Chinese Journal of Epidemiology. 1994; 15(4): 206-208.
51. **Du S.** Introduction to SAS software. In Liu Xiaoxian eds. SAS and Medical Data Analysis. Wuhan, Publishing House of Tongji Medical University. 1992. P1-17.

PRESENTATIONS

1. **Du S,** Wang H, and Popkin BM. Increased weight caused increases in blood pressure and hypertension, China Health and Nutrition Survey, 1991-2006. Experimental Biology 2009, April 18-22, New Orleans, LA.
2. **Du S**, Gordon-Larsen, and Popkin BM. Dynamic Impact of Income Growth on Diet Quality in China, 1989-2006: An Update. Experimental Biology 2008, April 5 - 9, 2008, San Diego, CA. Oral presentation.
3. **Du S,** Wang H, Zhang B, and Zhai F. Overweight and Obesity among Chinese Children and Adolescents Aged 2-18. 10th European Nutrition Conference. July 10-13, 2007, Paris, France. Poster.
4. Zhai F, Wang H, Zhang B, **Du S.** Dual Burden of Malnutrition among Chinese Children and Adolescents Aged 2-18 Years. 10th European Nutrition Conference. July 10-13, 2007, Paris, France. Oral Presentation.
5. Zhang B, Wang H, Zhai F, **Du S.** Prevention of Childhood Anemia in A Poor Mountain Area in China. 10th European Nutrition Conference. July 10-13, 2007, Paris, France. Oral Presentation.

6. **Du S,** Gordon-Larsen P, and Popkin BM. Longitudinal Association between Fast Food Consumption, Physical Activity, and Screen Time with Changes in Body Mass Index and Obesity during the Transition from Adolescence to Young Adulthood. The Obesity Society Annual Meeting 2007, October 20-24, New Orleans, LA. Poster.
7. **Du S,** and Gordon-Larsen P. Walking and Obesity: Findings from the National Longitudinal Study of Adolescent Health. Poster presentation. The Obesity Society Annual Meeting 2006, October 19-23, Boston, MA. Poster.
8. **Du S,** Zhai F and Popkin BM. Changes in physical activity, TV viewing, and diet affect obesity in China: A longitudinal analysis. Poster presentation. Experimental Biology 2003, April 11 - 16, 2003, San Diego, CA. Poster.
9. **Du S.** Economic and social change and its effects on dietary behavior of elderly population in China. Poster presentation. Population Association of America 2003 Annual Meeting, May 1 - 3, 2003, Minneapolis, MN. Poster.
10. **Du S,** Zhai F, Mroz T, Popkin BM. Dynamic shifts in the income effects on dietary intake by socioeconomic level, China 1989-1997. Experimental Biology 2002, April 20 - 24, 2002, New Orleans, LA. Oral presentation.
11. **Du S,** Zhai F, and Popkin BM. Trends of overweight and obesity among Chinese children. North America Association for the Study of Obesity, October 7 - 10, 2001, Quebec, Canada. Oral presentation.
12. **Du S,** Zhai F, and Popkin BM. Overweight and obesity trends among Chinese children and adolescents. 17th International Congress of Nutrition, August 27 - 31, 2001, Vienna, Austria. Oral presentation.
13. Zhai F, Chang S, **Du S,** Wang H, Popkin BM, Ge K. patterns, trends and determinants of preschool malnutrition in China. 17th International Congress of Nutrition, August 27 - 31, 2001, Vienna, Austria. Oral presentation.
14. **Du S,** Lu B, Zhai F, Popkin BM. A new stage of the nutrition transition in China. The nutrition transition and its implications for health in the developing world, August 18 - 24, 2001, Bellagio, Italy. Oral presentation.
15. Zhai F, Fu D, **Du S,** Ge K, Chen C, Popkin BM. What is China doing in policy-making to push back the negative aspects of the nutrition transition? The nutrition transition and its implications for health in the developing world, August 18 - 24, 2001, Bellagio, Italy. Oral presentation.
16. **Du S,** Zhai F, and Popkin BM. Secular trends of overweight and obesity among Chinese children and adolescents. Experimental Biology 2001, March 31 - April 4, 2001, Orlando, Florida. Poster.
17. Lu B, **Du S,** Zhai F, Popkin BM. The nutrition transition in China: A new stage of Chinese diet. Experimental Biology 2001, March 31 - April 4, 2001, Orlando, Florida. Poster.
18. **Du S,** Zhai F, and Ge K. The distributions of body mass index in Chinese population. International Obesity Conference, Beijing. April 20 - 22, 2000. Oral Presentation.
19. **Du S,** Zhai F, Wang Y, and Popkin BM. Current methods for estimating bioavailability of dietary iron do not work in China. Experimental Biology 1999, Washington DC, April 17 - 21 1999. Oral Presentation.