

Brief Vita

Frederick O. Lorenz, University Professor
 Department of Statistics
 Department of Sociology

Education: B.S. Mankato State University, 1970, Mathematics; M.S. South Dakota State University, 1972, Economics; Ph.D. Iowa State University, 1981, Sociology.

Academic Experience: Assistant Professor 12/80 – 6/85; Associate Professor 7/85 – 6/94; Professor 7/94 – 6/2002; University Professor 7/2002 – present.

Duties: 50% Statistics (LAS); 50% Sociology (Ag). Statistics responsibilities include teaching statistics to social and behavioral graduate students and consulting with social and behavioral faculty and graduate students. Sociology responsibilities include conducting research, teaching methods courses and providing methodological consulting.

Courses taught 1996 – 2005: Statistical methods for research workers (Stat 401); Regression for social and behavioral research (Stat 404); Sociological measurement (Soc 512); Advanced theory construction and structural equation modeling (Soc 613).

Advising and mentoring 1996 – 2005: Major professor for 8 MS students and 3 PhD who finished since 1996; 4 MS and 2 Ph.D students are in progress; mentored six undergraduate summer interns; served or serve on about 40 other M.S. and 40 other PhD student committees.

Research interest: Modeling longitudinal (panel) and multi-informant data; analysis of family relationships and health outcomes across the life course; founding member of ISU's Institute for Social and Behavioral Research (ISBR).

Published research since 1996: Co-authored 1 book; co-edited 1 book; published 8 book chapters and co-authored 40 journal articles.

Professional presentations since 1996: 12 invited presentations and workshops and 24 presentations at professional meetings.

Grants and contracts since 1996:

1. Co-Investigator with Conger, Simons, Whitbeck & Elder on "Critical Transitions in Rural Families at Risk (MH51361). Funded by NIMH, \$3,602,000. (1994-1999).
2. Co-Investigator with Conger et al on continuation of "Rural Family Resilience to Economic Stress (MH43270). Funded by NIMH, \$926,000. (1994-1997).
3. Co-Investigator with Conger et al on continuation of "Center for Family Research in Rural Mental Health (MH43165). Funded by NIMH, \$6,442,000 (1995-2000).
4. Co-Principal Investigator with Hraba on continuation of "Coping with Change in Czechoslovakia" (MH50369-01A1). Funded by NIMH, \$238,653 (1997-2000).
5. Principal Investigator on "Midlife adaptation and health in rural society" (MH59353-01A1). Funded by NIMH, \$916,100 (2000-2004).
6. Co-Principal Investigator with Conger on "Critical transitions in rural families at risk." Funded by NIMH, \$1,003,764 (2001-2004).

7. Co-Investigator with Gibbons on “Factors influencing African-American Youths’ health behaviors. Funded by NIMH, \$2,914,033 (2001-2006).
8. Co-Principal Investigator with Larson on “Fractional Imputation in Social Surveys” (NSF DMS 0532413). Funded by NSF, \$177,000 (2005 – 2007).
9. Principal Investigator on “Relationship development and health in young adults” (HD051746-01). Funded by NICHD, \$1,800,000 (2006 – 2011).
10. Co-Investigator with Conger on “Critical transitions in rural families at risk.” Funded by NIMH, \$1,440,000 (2006 – 2010).

Consulting: Consultant for Cheryl Beuchler, University of Tennessee, Knoxville, on “Interparent conflict and youth maladjustment.” NIMH (2000 -2005); consultant for Carol Magai, University of Long Island on “Ethnicity and socioemotional functioning in later life” (1 RO1 AG021017) NIA (2002 – 2007). Consult with faculty and graduate students in the social and behavioral sciences; member (with colleagues KAS Wickrama and Dan Russell) of the ISBR analysis group that offers consultation on research designs for new projects and the analysis of ISBR data;

Other professional activities: Member, American Statistical Association Committee on Archives and Historical Documents (2005 – present); Member, NIH “Research on mind-body interactions and health” review panel, June 14 – 16, 2004; Chair, Program Committee, Rural Sociological Society meetings in Chicago, August 14-18, 2002. Member of the NIDA sight review team for the Tri-ethnic Center for Prevention Research, Colorado State University, Ft. Collins, CO. September 1999. Advisory panel member for Parent Questionnaire for the Division of Epidemiology and Prevention Research (DEPR) of the National Institute on Drug Abuse (NIDA), July 1998. Ad-hoc reviewer for numerous social science and statistics journals, especially the *Journal of Marriage and Family*, *Journal of Health & Social Behavior*, *Social Forces*, and the *American Statistician*.

Publications 1996 – 2006

Books:

1. Hraba J, Pechacova Z, Lorenz FO. 1999. *Docet rodin po 10 letch, 1989-1999*. (Ten families; ten years, 1989-1999). Praha: Academia.
2. Conger RD, Lorenz FO, Wickrama KAS (Eds). 2004. *Continuity and change in family relations: Theory, Methods, and Empirical Findings*. Mahwah, NJ: Lawrence Erlbaum.

Book chapters since 1996:

1. Lorenz, FO, Ryan, VD. 1996. Experiments in general/specific questions: Comparing results of mail and telephone surveys. Proceedings of the Survey Methodology section of the American Statistical Association, vol 2: 611-613.
2. Simons, RL Johnson, C, Lorenz, FO. 1996. Family structure differences in stress and behavioral predispositions. Pp. 45-64 in R. L. Simons and Associates (eds.), Understanding Differences between Divorced and Intact Families: Stress, Interaction, and Child Outcomes. Thousand Oaks, CA: Sage.
3. Lorenz, FO, Simons, RL, Chao W. 1996. Family structure and mother's depression. Pp 65-80 in R. L. Simons and Associates (eds.), Understanding Differences between Divorced and Intact Families: Stress, Interaction, and Child Outcomes. Thousand Oaks, CA: Sage.
4. Lorenz, FO, Wickrama KAS, Yeh H. 2004. Rural mental health: Comparing differences and modeling change. In N Glasgow, LW Morton, & N Johnson (Eds.), *Critical Issues in Rural Health* (pp. 75-88). Ames, IA: ISU/Blackwell Press.
5. Conger, RD., Lorenz, FO., Wickrama, KAS. 2004. Changing families in changing times. In RD Conger, FO Lorenz and KAS Wickrama (Eds.), *Continuity and Change in Family Relations: Theory, Methods, and Empirical Findings* (pp.15 – 13). Mahwah, NJ: Lawrence Erlbaum.
6. Lorenz, FO, Wickrama, KAS, and Conger, RD. 2004. Modeling continuity and change in family relationships with panel data. In RD Conger, FO Lorenz and KAS Wickrama (Eds.), *Continuity and*

- Change in Family Relations: Theory, Methods, and Empirical Findings* (pp.15 – 62). Mahwah, NJ: Lawrence Erlbaum.
7. Lorenz, FO and Hraba, J. 2004. Chronic and changing marital instability and physical illness: Trajectories of Czech couples. In RD Conger, FO Lorenz and KAS Wickrama (Eds.), *Continuity and Change in Family Relations: Theory, Methods, and Empirical Findings* (pp.97-122). Mahwah, NJ: Lawrence Erlbaum.
 8. Conger, RD, Lorenz FO, Wickrama KAS. 2004. Studying change in family relationships: The findings and their implications. In RD Conger, FO Lorenz and KAS Wickrama (Eds.), *Continuity and Change in Family Relations: Theory, Methods, and Empirical Findings* (pp.383 – 403). Mahwah, NJ: Lawrence Erlbaum.

Refereed articles (in English) since 1996:

1. Pechacová, Z., Hraba J, Hradecký J, Lorenz, FO. 1996. Economic Change and Change in Well-being in the Czech Republic: The Differences Between Rural and Urban Genders. *Scientia Agriculturae Bohemica* 27(1):57-73.
2. Lorenz, FO and Bruton, BT. 1996. Using experiments within surveys in teaching research methods. *Teaching Sociology* 24(2): 264-271.
3. Lorenz, FO.,Hraba, J, Conger, RD. 1996. Economic change and change in well-being in the Czech Republic, with comparisons to married women in the United States. *Czech Sociological Review* 4: 43-62.
4. Hraba, J, Lorenz, FO, Lee, G., Pechacova, Z. 1996. Gender and well-being in the Czech Republic. *Sex Roles* 34:517-533.
5. Wickrama, K.A.S., Conger RD, Lorenz, FO. 1996. Role identity, satisfaction and perceived physical health. *Social Psychology Quarterly* 58:270-283.
6. Lorenz, FO, Simons, RL, Conger, RD, Elder, GH Jr., Johnson, C, and Chao, W. 1997. Married and divorced mothers' stressful life events and distress: Tracing change across time. *Journal of Marriage and the Family* 59:219-232.
7. Wickrama, K. A. S., Lorenz, FO, Conger, RD, Matthews, L, Elder, GH Jr. 1997. Marital quality and physical illness: A latent growth curve analysis. *Journal of Marriage and the Family* 59:143-155.
8. Wickrama, K. A. S., Lorenz, FO, Conger, RD, Matthews, L, Elder, GH Jr. 1997. Linking occupational conditions to physical health through marital, social, and intrapersonal processes. *Journal of Health and Social Behavior* 38:363-372.
9. Simons, R. L., Johnson, C, Conger, RD, Lorenz, FO. 1997. Linking community context to quality of parenting. *Rural Sociology* 62: 157-179.
10. Wickrama, K. A. S., Lorenz, FO, Conger, RD. 1997. Parental support and adolescent physical health status: A latent growth-curve analysis. *Journal of Health and Social Behavior* 38:149-163.
11. Hraba, J., Lorenz, FO, Pechacova, Z. 1997. Age and depression in the post-communist Czech Republic. *Research on Aging* 19: 442-461.
12. Hraba, J, Lorenz, FO, Pechacová, Z, Bao, W. 1997. Comorbidity in the Czech Republic: A Preliminary Study. *Zemndclská Ekonomika* 43:1-13.
13. Swisher, R, Elder GH Jr, Lorenz FO, Conger RD. 1998. The long arm of the farm: How occupation structures exposure and vulnerability to stressors across role domains. *Journal of Health and Social Behavior* 39: 72 – 89.
14. Hraba J, Lorenz FO, Pechacova Z, Liu, Q. 1998. Education and health in the Czech Republic. *Journal of Health and Social Behavior* 39:295-316.
15. Hraba J, Bao W, Lorenz FO, Pechacova, Z. 1998. Perceived risk of crime in the Czech Republic. *Journal of Research on Crime and Delinquency* 35: 225-242.
16. Lorenz FO, Hraba J, Pechacova Z. 1999. Privatization and income change in Czech Republic: Tensions in the lives of rural and urban employed men. *Rural Sociology* 64:693-718.
17. Hraba J, Lorenz FO, Pechacova Z, Bao, W. 1999. Criminal victimization and distress in the Czech Republic. *Journal of Interpersonal Violence* 14: 1030 – 1054.
18. Simons RL, Lin K-H, Gordon L, Conger RD, Lorenz FO. 1999. Explaining the higher incidence of adjustment problems among children of divorce compared to those in intact families. *Journal of Marriage and the Family* 61:131-148.

19. Hraba J, Lorenz FO, Pechacova Z. 2000. Czech families ten years after the velvet revolution. *Journal of Contemporary Ethnography* 29:643-681.
20. Hraba J, Lorenz FO, Pechacova Z. 2000. Family stress during the Czech transformation. *Journal of Marriage and the Family* 62:520-532.
21. Lorenz FO, Elder GH Jr, Wickrama KAS, Bao W-N, Conger RD. 2000. After the fall: Trajectories of emotional health among farm, non-farm, and displaced couples. *Rural Sociology* 65:50-71.
22. Johnson, M, Hraba J, Lorenz FO. 2000. Criminal victimization and depression in the Czech Republic. *Czech Sociological Review* 8: 195-210.
23. Hraba J, Lorenz FO, Ma E, Pechacova Z. 2001. Age and distress in the Czech Republic. *Research on Aging* 23:552-585.
24. Hraba, J, Lorenz FO, Vecernik J. 2001. Age and Czech's attitudes about the Post-Communist economic reforms. *The Sociological Quarterly* 42:421-435.
25. Hraba, J, Lorenz FO, Mulliick R., Lee S, Vercenik, J. 2001. Trends in Czech attitudes toward the market and democracy. *Journal of Political and Military Sociology* 29:200-220.
26. Kim KJ, Conger RD, Lorenz FO, Elder GH Jr. 2001. Parent-adolescent reciprocity in negative affect and its relation to early adult social development. *Developmental Psychology* 37:775-7909.
27. Lorenz FO, Hraba J, Pechacova Z. 2001. Effects of spouse support and hostility on trajectories of Czech couples' marital satisfaction and instability. *Journal of Marriage and the Family* 63:1068-1082.
28. Wickrama KAS, Lorenz FO, Ebert Wallace L, Peiris L, Conger RD, Elder GH Jr. 2001. Family influence on physical health during the middle years: The case of onset of hypertension. *Journal of Marriage and the Family* 63:527-539.
29. Hraba J, Lorenz FO, Radloff T. 2002. Czechs experiencing crime: Rural-urban differences in the perceived risk of crime, fear of crime, and victimization. *International Journal of Contemporary Sociology* 39: 69-90.
30. Hraba J, Mullick R, Lorenz FO, Vercenik J. 2002. Education and support for the Czech reforms. *Sociology of Education* 75:147-168.
31. Wickrama KAS, Lorenz FO. 2002. Women's status, fertility decline and women's health in developing countries: direct and indirect influences of social status on health. *Rural Sociology* 67:255-277.
32. Hraba, J, Lorenz, FO, Lee, S. 2003. Support for the Czech reforms, economic experiences, and additional burdens. *International Journal of Contemporary Sociology* 40:255 – 280.
33. Kim KJ, Conger, RD, Lorenz FO, Elder GH Jr. 2003. Reciprocal influences between stressful life events and adolescent internalizing and externalizing problems. *Child Development* 74:127-143.
34. Wickrama, KAS, Lorenz, FO, Fang, S, Abraham, WT and Elder, GH Jr. 2005. Gendered trajectories of work control and health outcomes in the middle years. *Journal of Aging and Health* 17:779-806.
35. Cui M, Lorenz FO, Conger RD, Melby JN, Bryant CM. 2005. Observer, self and partner reports of hostile behaviors in romantic relationships. *Journal of Marriage and Family* 67:1169-1181.
36. Lorenz FO, Wickrama KAS, Conger RD, Elder GH Jr. (2006). The short term and decade long effects of divorce on women's midlife health. *Journal of Health and Social Behavior* 47: 111-125.
37. Yeh HS, Lorenz FO, Wickrama KAS, Conger RD, Elder GH Jr. 2006. Relationships between sexual satisfaction, marital satisfaction and marital instability at midlife. *Journal of Family Psychology* 20: 339-343.
38. Wickrama KAS, Lorenz FO, Conger RD, Elder, GH Jr 2006. Changes in family circumstances and the physical health of married and recently divorced mothers. *Social Science and Medicine* 63: 123 – 136.
39. Cui M, Conger RD, Lorenz FO. 2006. Predicting change in adolescent adjustment from change in marital problems. *Developmental Psychology* (in press).
40. Lorenz, FO, Melby, JN, Conger, RD, Xia X. 2007. The effects of context on the correspondence between observational ratings and questionnaire reports of hostile behavior: A MTMM approach. *Journal of Family Psychology* (forthcoming).