

HAN-YANG CHEN, M.S.

CURRICULUM VITAE (Aug, 2010)

Center for Urban Population Health
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EDUCATION

M.S., POPULATION HEALTH SCIENCES Department of Population Health Sciences, University of Wisconsin- Madison	2008
M.S., INFORMATION SCIENCES Department of Information Science & Telecommunication, University of Pittsburgh	2003
B.A., ECONOMICS Department of Economics, National Taiwan University	1998

PROFESSIONAL TRAINING

THE OHIO STATE UNIVERSITY, COLUMBUS, OH The 2009 Summer Program in Applied Biostatistical and Epidemiological Methods Completed courses in Longitudinal Data Analysis & Applied Survival Analysis	2009
AURORA RESEARCH SUBJECT PROTECTION PROGRAM (RSPP)/IRB OFFICE Institutional Review Board (IRB) Training Completed IRB Training Session	2009

PROFESSIONAL EXPERIENCE

THE UNIVERSITY OF WISCONSIN MADISON, MADISON, WI Center for Urban Population Health Biostatistician	2008 - Present
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Support the Center's Design and Analysis Core and assist the Aurora UW Medical Group (AUWVG) by providing research design and statistical data analyses, and participating in the dissemination of research findings.

Key functions include:

- Provide statistical expertise with respect to study design and sample size calculations.
- Analyses include descriptive statistics, linear regression, logistic regression, mixed models.
- Participate in the writing and revision of abstracts and manuscripts for publication.
- Participate in the writing and revision of the statistical portions of proposals and grants,
- Meet with investigators to explain analysis results.

Strong experience with various national or local data sources, including but not limited to

- American Community Survey (ACS)
- Aurora Community Health Survey (ACHS)
- Behavioral Risk Factor Surveillance System (BRFSS)
- Greater Milwaukee Survey (GMS)
- Healthcare Cost and Utilization Project (HCUP)
- National Health Measurement Study (NHMS)
- National Survey of Children's Health (NSCH)
- Milwaukee Vital Statistics Birth Certificate Data
- National Vital Statistics Birth Cohort Linked Birth/Infant Death Data
- U.S. Census Data (CENSUS)
- Wisconsin Family Health Survey (FHS)
- Wisconsin Interactive Statistics on Health (WISH)

THE UNIVERSITY OF WISCONSIN MADISON, MADISON, WI
Department of Population Health Sciences
Project Assistant

2005-2008

Project Assistant supporting investigational research in conjunction with *The National Health Measurement Study* and *Evaluation of Osteoporosis Prevention in the Elderly* to perform statistical model analysis, and database management for *Acute Care for Elders (ACE) Project*.

LINKMED ASIA INC., TAIPEI, TAIWAN
Project Marketing Department
Healthcare Management Analyst

2004-2005

Assist healthcare organizations to develop decision support solution using *Cognos Business Intelligence Series* to evaluate and monitor the performance. Providing quantitative analyses and responsible for development and implementation of the training courses.

UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA
Department of Information Science & Telecommunications
Decision Systems Laboratory
Research Assistant

2003

Concentrate on the design of interactive user interface for data exploration and data mining.

UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA
Office of Child Development
Information System Assistant

2003

Develop the *Partnership for Family Support MIS* user manual and assisting with troubleshooting, testing, and modification of the interface.

ACADEMIC AWARD

COMMUNITY HOSPITAL AWARD

Recipient of the 2010 *Central Association of Obstetricians and Gynecologists (CAOG)*, Community Hospital Award for papers concerning gynecologic endoscopy or any other diagnostic or therapeutic procedures which enhance the quality of care of gynecologic or obstetric patients. Awarded paper "Aberrant Fetal Growth and Mortality (Early, Late, and Postneonatal): An Analysis of Milwaukee Births, 1996-2007." Award notice 4/20/10.

ACADEMIC SERVICE

THE UNIVERSITY OF WISCONSIN MADISON

School of Medicine and Public Health

Training in Urban Medicine and Public Health (TRIUMPH) Program

Collecting and assessing data for community and population health-quantitative and qualitative data

- Presentation: Data Sources for Public Health (2/22/2010)

- Presentation: Secondary Data Sources for Community and Population Health (7/16/2010)

GRANT

Recipient of Academic Staff Professional Development Grant

University of Wisconsin – Madison (2009-10, Part I)

THESES

Chen H-Y., “Predicting which ventilated patient is eligible for long-term care hospital transfer”, M.S. thesis, University of Wisconsin – Madison, 2008.

Chen H-Y., “Interactive Data Exploration for Bayesian Network Learning”, M.S. thesis, University of Pittsburgh, 2003.

PEER-REVIEWED PUBLICATIONS

Palta M., Chen H-Y., Kaplan R.M., Feeny D., Cherepanov D., Fryback D.G. (In press). Standard error of measurement of five health utility indexes across the range of health for use in estimating reliability and responsiveness. *Medical Decision Making* (June, 2010).

Chen H-Y., Baumgardner D.J., Rice J.P. (In press). Health-Related Quality of Life among Adults with Multiple Chronic Conditions in the U.S.: Implications for Strategies. *Preventing Chronic Disease* (March, 2010).

RESEARCH REPORT

Chen, H-Y., Baumgardner, D.J., Bergstrom, J.P., Swain, G.R., & Cisler, R.A. *Milwaukee Health Report 2010: Health Disparities in Milwaukee by Socioeconomic Status*. Center for Urban Population Health: Milwaukee, WI. 2010.

Chen, H-Y., Baumgardner, D.J., Bergstrom, J.P., Mori, N., Swain, G.R., & Cisler, R.A. *Milwaukee Health Report 2009: Health Disparities in Milwaukee by Socioeconomic Status*. Center for Urban Population Health: Milwaukee, WI. 2009.

PEER-REVIEWED PROFESSIONAL PRESENTATIONS

Chen H-Y., Baumgardner D.J., Rice J.P. Health-Related Quality of Life among Adults with Chronic Conditions in the U.S.: Implications for Intervention. Poster presentation at 38th NAPCRG Annual Meeting. Seattle, Washington. 2010

Chen H-Y., Chauhan S.P., Salm Ward T.C., Mori N., Gass E., Cisler R.A. Aberrant Fetal Growth and Mortality (Early, Late, and Postneonatal): An Analysis of Milwaukee Births, 1996-2007. Oral presentation at the 77th CAOG Annual Meeting, Las Vegas, NV. 2010.

Johnson TL, Chen H-Y., Magann EF, Wood JY, Sheldon IV, Chauhan SP. Active Duty Military Women's Weight at Six Months After Delivery: Compliance with Regulations and Implications for Non-Military Women. Oral presentation at the 77th CAOG Annual Meeting, Las Vegas, NV. 2010.

Klem K, Chen H-Y., Magann EF, Morrison JC, Chauhan SP. Happiness, Fertility Rate, Fetal, Neonatal and Infant Mortality Rates in the United States. Poster presentation at the 77th CAOG Annual Meeting, Las Vegas, NV. 2010.

Berger L., Arria A., Chen H-Y., Cisler R.A., Fendrich M. Energy Drink Consumption and Drinking Behavior in a Community Sample. Poster presentation at the 33rd Annual Scientific Meeting of the Research Society on Alcoholism (RSA), San Antonio, TX. 2010.

Swain G.R., Cisler R.A., Chen H-Y. Milwaukee Health Report 2009: Health disparities in Milwaukee by socioeconomic status (SES). Oral Presentation at the 2010 WPHA – WALHDAB Annual Conference, Middleton, WI. 2010

Chen H-Y., Cisler R.A. Health-Related Quality of Life among Children with Special Health Care Needs in the United States. Poster presentation at the Aurora Scientific Day, Milwaukee, WI. 2010.

Chen H-Y., Baumgardner D.J., Rice J.P. Health-Related Quality of Life among Adults with Multiple Chronic Conditions in the U.S.: Implications for Strategies. Poster presentation at the Aurora Scientific Day, Milwaukee, WI. 2010.

Chen H-Y., Chauhan S.P., Mori N., Salm Ward T.C., Gass E., Cisler R.A. Aberrant Fetal Growth and Mortality (Early, Late, and Postneonatal): An Analysis of Milwaukee Births, 1996-2007. Oral presentation at the Aurora Scientific Day, Milwaukee, WI. 2010.

Khan A., Chen H-Y., Simon S., Hashim Z. Low Vision Education for hospital caregivers: a strategy to create a vision friendly hospital. Poster presentation at the Aurora Scientific Day, Milwaukee, WI. 2010.

Khan A., Chen H-Y., Williams M., Project Boost Team. Project Boost: Identifying barriers to improving the patient discharge process. Poster presentation at the Aurora Scientific Day, Milwaukee, WI. 2010.

Khan A., Chen H-Y., Simon S., Hashim Z. Low Vision Education for hospital caregivers: a strategy to create a vision friendly hospital. Poster Presentation at the 2010 American Geriatrics Society (AGS) Annual Scientific Meeting, Orlando, Florida, 2010.

Marra E.M., Chauhan S.P., Chen H-Y., Hendrix N.W., Magann E.F., Morrison J.C. Presidential Voting Pattern & Perinatal Mortality in Wisconsin, 2004: A Pilot Study. Poster Presentation at the American College of Obstetricians and Gynecologists 58th Annual Clinical Meeting (ACM), San Francisco, California, 2010.

Khan A., Chen H-Y, Akbar S, Arnold K.L., Bhargava R., Gonzales B., Khogali A., Macias J., Martin C., Ormsby B., Pagel P., Staroszczyk A., Simon S., Whyms K., Wiedner S., Williams M. Project Boost: Identifying barriers to improving the patient discharge process. Poster presentation at the Society of Hospital Medicine's Annual Meeting, Washington, DC, 2010.

Chen H-Y, Chauhan S.P., Mori N., Salm Ward T.C., Gass E., Cisler R.A. Aberrant Fetal Growth and Mortality (Early, Late, and Postneonatal): An Analysis of Milwaukee Births, 1996-2007. Poster presented at the 9th Annual Department of Population Health Sciences Poster Session, Madison, WI, 2010.

Khan A., Chen H-Y, Simon S., Hashim Z. Low Vision Education for hospital caregivers: a strategy to create a vision friendly hospital. Poster accepted at the AGHE's 36th Annual Meeting and Educational Leadership Conference, Reno, Nevada, 2010.

Baumgardner D.J., Bergstrom J.P., Mori N., Chen H-Y. Milwaukee Health Report 2009: Health disparities in Milwaukee by socioeconomic status. Poster presented at the Aurora's Quality Roundtable, Brookfield, WI, 2009

Chen, H-Y, Baumgardner, D.J., Bergstrom, J.P., Mori, N., Swain, G.R., & Cisler, R.A. Milwaukee Health Report 2009: Identifying Health Disparities by SES Groups Using ZIP Code Level Data. Poster presented at the UW-SMPH Department of Population Health Sciences 50th Anniversary Symposium, 2009.

Chen, H-Y, Mori, N., Salm Ward T., Bergstrom, J.P. Risk Factors for Infant Mortality in the City of Milwaukee, 1993-2007. Poster presented at the UW-SMPH Department of Population Health Sciences 50th Anniversary Symposium, 2009

King, M., Amuzu, B.J., Chen, H-Y, Steber, D. Does Low Glucose Tolerance Test Result Predict an Increased Risk of Small for Gestational Age Infants? Oral presentation at the Aurora Scientific Day, Milwaukee, WI. 2009.

Kahn, A., Hyde, T., Chen, H-Y. Effect of Visual Contrast and Complexity of Food Tray in Parkinson Disease. Poster presented at the Aurora Scientific Day, Milwaukee, WI. 2009.

Palta M., Chen H-Y, Fryback D.G., Error Standard Deviations of Five Health Utility Indexes across the Rang of Health: Implications for Assessing Responsiveness. Poster presented at the 30th Annual Meeting of the Society for Medical Decision Making, Philadelphia, PA, 2008.

Palta M., Chen H-Y, Fryback D.G., Error Standard Deviations of Five Preference-Based Measures across the Range of Health: Implications for Assessing Responsiveness. Poster presented at the 15th Annual Conference of the International Society for Quality of Life Research, Montevideo, Uruguay, 2008.

Chen H-Y, Vanness D. J., Predicting which Ventilated Patient is Eligible for Long Term Care Hospital Transfer. Poster presented at the 25th AcademyHealth Annual Research Meeting, Washington, DC, 2008.

Chen H-Y, Vanness D. J., Predicting which Ventilated Patient is Eligible for Long Term Care Hospital Transfer. Poster presented at the 7th Annual Department of Population Health Sciences Poster Session, Madison, WI, 2008.

Palta M., Fryback D.G., Chen H-Y, Dunham N.C., The Relationship of EQ-5D, HUI2, HUI3, QWB-SA, SF-6D and Their Components to a Latent Summary Health Scale Derived by IRT. Abstract

presented at the 14th Annual Conference of the International Society for Quality of Life Research, supplement to Quality of Life Research, page A-6. Toronto, Canada, 2007.

MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

Chen H-Y., Chauhan S.P., Salm Ward T.C., Mori N., Gass E., Cisler R.A. Aberrant Fetal Growth and Mortality (Early, Late, and Postneonatal): An Analysis of Milwaukee Births, 1996-2007.

Johnson TL, Chen H-Y., Magann EF, Wood JY, Sheldon IV, Chauhan SP. Active Duty Military Women's Weight at Six Months After Delivery: Compliance with Regulations and Implications for Non-Military Women.

Amuzu B.J., King M., Chen H-Y. Relationship of Low Glucose Tolerance Test Result, Race, and Insurance to Risk of Fetal Growth Restriction.

Chen H-Y., Vanness D. J., Golestanian E. Predictors of Eligibility for Transfer to A Long Term Care Hospital among Ventilated Patients: Satisfying The Length of Stay Criterion.

Chen, H-Y., Cisler, R. A. Assessing Health-related quality of life and risk factors among children with special health care needs in the United States.

Berger L., Arria A., Chen H-Y., Cisler R.A., Fendrich M. Energy Drink Use among Adults in the Milwaukee Metropolitan Area, 2008.

Cisler R.A., Berger L.K., Brondino M.J., Chen H-Y. The Relationship Between Alcohol Consumption and Functioning Outcomes: The Mediating Influence of Consumption-Related Consequences.