

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Chiehwen Ed Hsu		POSITION TITLE Associate Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) CEDHSU			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Texas School of Public Health, Houston	Ph.D.	2001	Management & Policy Sciences
University of Texas School of Health Information Sciences, U Texas Health Science Center at Houston	M.S.	2000	Health Informatics Public Health Informatics
University of Texas School of Public Health, Houston	M.P.H.	1997	Health Services Organization
Medical College, Fujen Catholic Univ., Taipei, Taiwan	B.Sc.	1994	Preventive Health

Positions and Employment

- 2008- *Associate Professor*, Public Health Informatics. School of Health Information Sciences and School of Public Health. *Director*, Laboratory of Public Health Informatics and Spatial Analysis. **Associate Director of Health Informatics, Center for Biosecurity and Public Health Preparedness, UTSPH.** University of Texas Health Science Center at Houston, Texas.
- 2004-2007 *Assistant Professor*, School of Public Health, University of Maryland, College Park. Maryland.
- 2001-2004 *Assistant Professor*, Health Management and Policy, University of North Texas Health Science Center at Ft. Worth., Texas.
- 1998-2001 *Graduate Research Assistant*, Center for Health Policy Studies, University of Texas School of Public Health, University of Texas Health Science Center at Houston, Texas.
- 1997-1998 *Associate Programmer Analyst*, Data Integration & Security Dept., St. Luke's Hospital, Houston.

Other Experience and Professional Memberships

- 2009 Scientific Study Section, Review Panel. State of California HIV/AIDS Research Program.
- 2005-2006 Advisory Board, Center on Health Disparities, Adventist Healthcare Systems. Rockville, Maryland.
- 2004-2005 Health Data Committee, Maryland Plan for Reducing Health Disparities, Maryland Office of Minority Health and Health Disparities, Department of Health and Mental Hygiene, Baltimore, MD.
- 2005-2007 Faculty Senator. University of Maryland Senate, College Park, Maryland.
- 2005-2007 University IRB Regular Member/Main Reviewer. University of Maryland College Park Maryland.

Editorial Boards

- Associate Editor**, International Journal of Computational Models and Algorithms in Medicine. 2008-
- Review Board**, American Journal of Health Behavior. 2005 -
- Editorial Review Board**, International Journal of Health Information Systems and Informatics. 2005 -
- International Editorial Advisory Board** of the Advances in Healthcare Information Systems and Informatics (AHISI) Book Series. 2007-

Ad-Hoc Peer-Reviewer

- Journal of Medical Systems. Journal of the National Medical Association. Journal for the Poor and Underserved. BMC Health Services Research. Disaster Medicine and Public Health Preparedness. American Public Health Association Conference. CDC PHIN Conference Abstracts.

B. Peer-Reviewed Publications

B1: Peer Review Journals

1. **Hsu CE**, Jacobson HE, Feldman K, Miller JA, Soto Más F. Experience, Confidence, and Training Needs of Veterinarians in Public Health Preparedness and Response. *Journal Veterinary Medical Education*. 2008. 35(2):262-268. *PMID*: 18723813.
2. **Hsu CE**, Miller JA, Soto Más F, Nkhoma ET, Chambers CC. Capacity Building of Biodefense Informatics for Public Health Preparedness and Response in Rural Regions: EpiInfo, GIS, and Data

- Management Training. *Journal of Emergency Management*. 6(1): Jan/Feb. P70-78. 2008.
3. **Hsu CE**, Soto Mas F, Jacobson HE, Harris AM, Hunt V, Nkhoma E. Public Health Preparedness of Health Providers: Meeting the Needs of Diverse, Rural Community. *Journal of the National Medical Association*. 2006. 98 (11): 1784-91 *PMID*:17128688.
 4. **Hsu CE**, Soto Mas F, Jacobson H, Papenfuss RL, Nkhoma E, Zoretic J., Assessing the Readiness and Training Needs of Non-urban Physicians in Public Health Emergency and Response. *Disaster Management and Response*. 2005. 3(4): p106-111. *PMID*: 16216794.
 5. Soto Mas F, **Hsu CE**, Jacobson HE, Zoretic J, Felan M. Physician Assistants and Bioterrorism Preparedness. *Biosecurity and Bioterrorism: Biodefense Strategy, Practice & Science*, 2006. 4(3), 301-306. *PMID*: 16999591.
 6. Nkhoma E, **Hsu CE**, Hunt V, Harris AM. Detecting Spatiotemporal Clusters of Accidental Poisoning Mortality among Texas Counties, U.S., 1980-2001. *International Journal of Health Geographics*. 2004.3(1):25 p 1-13. *PMID*: 15509301.
 7. **Hsu CE**, Liu CL, Juon HS, Chiu YW, Bawa J, Tillman U, Miller JA, Wang MQ. Reducing Liver Cancer Disparities - A Hepatitis B Preventive Program for the Asian American Community. *Journal of the National Medical Association*. 2007; 99(8): 900-907. *PMID*: 17722668
 8. **Hsu CE**, Zhang GY, Yan AF, Shang N, Le TD. (2010) What made a successful Hepatitis B prevention program: educational intervention, infection status, and missing responses of at-risk Asian Americans, *Journal of Community Health*, 35 (3), In Press
 9. Lee SM, Juon HS, GX Ma, **Hsu CE**. Model minority at risk: expressed needs of mental health by Asian American young adults. *Journal of Community Health*, 2009. 34 (2): 144-52. *PMID*: 18931893
 10. Lee SM, Martinez G, Ma GX, **Hsu CE**, Robinson S, Bawa G, Juon HS. Barriers to Health Care Access in 13 Asian American Communities, *American Journal of Health Behavior*, In Press. 2009.
 11. Le T, Bae S, **Hsu CE**, Singh K, Ning S. The Effects of Cardiorespiratory Fitness on Serum Ferritin Concentration and Incidence of Type 2 Diabetes: Evidence from Aerobics Center Longitudinal Study (ACLS), *The Review of Diabetes Studies*, 2009. 6 (1), 245-252. *PMID*: 19290385
 12. **Hsu CE**, Soto Mas F, Miller JA, Nkhoma ET. A Spatial-Temporal Surveillance Approach for Prostate Cancer Disparities in Population Subgroups. *Journal of the National Medical Association*. 2007; 99(1): p72-86. *PMID*: 17304971
 - 13 **Hsu CE**, Soto Mas F, Hickey JM, Miller JA, Lai D. Surveillance of the Colorectal Cancer Disparities Among Demographic Subgroups - A Spatial Analysis Approach. *Southern Medical Journal*. 2006. 99(9): p 301-308. *PMID*: 17004529
 14. **Hsu CE**, Jacobson H, Soto Mas F. Evaluating the Disparities of Female Breast Cancer Mortality Among Racial Groups a Spatiotemporal Analysis. *International Journal of Health Geographics*. 2004. 3(1):4. p 1-11. *PMID*: 14987336
 15. **Hsu CE**, Lai D, Begley C, Franzini L. The Association Between Income and Cancer Mortality in Texas and Taiwan - a Comparative Study of Spatial Statistics. *J Advances and Applications in Statistics*. 2002. 2(2):p149-176.
 16. Chiu YW, **Hsu CE**, Wang MQ, Nkhoma ET. Examining Geographic and Temporal Variations of AIDS Mortality: Evidence of Racial Disparities. 2008: 100 (7): 788-796. *Journal of the National Medical Association*. *PMID*: 18672555.
 17. Chiu YW, Wang MQ, Chuang HY, **Hsu CE**, Nkhoma ET (Nov 2008) A new application of spatiotemporal analysis for detecting demographic variations in AIDS mortality: an example from Florida., *The Kaohsiung journal of medical sciences*, 24 (11), 568-76. *PMID*: 19239990
 18. Tan J, Soto Mas F., **Hsu CE**, Chapter 5. E-Public Health Information Systems: E-Technologies for Public Health Preparedness and Surveillance. In Joseph Tan: *E-Health Care Information Systems: An Introduction for Students and Professionals*. San Francisco, CA: Wiley, Josey-Bass Publishers. ISBN: 0-7879-6618-5. pp. 127-154. April 2005.
 19. **Hsu CE**, Johnson L and Brooks A. Promoting Health Information Literacy - Collaborative Opportunities For Faculty of Health Sciences and Academic Librarians. *Academic Exchange Quarterly*. 2003. 7(1):p 200-06.
 20. Chiu YW, Chuang HY, **Hsu, CE**, Huang CJ, Liu HW. Factors Influencing Women's Quality of Life in the Later Half of Life, In Press. *Climacteric - Journal of International Society of Menopause*. 2008. 11 (3), 201-211. *PMID*: 18568785.

21. Soto Mas F, Valderrama J, Brogger J, **Hsu CE**. Tobacco Control: Are We Appropriately Training Future Health Professionals? *American Journal of Health Studies*. 2006. 21(2). 115-123.
22. Soto Mas F, Papenfuss RL, Jacobson HE, **Hsu CE** and Urutia-Rojas X. Tobacco Intervention Practices & Training Needs of U.S. Hispanic Physicians: a Cross-sectional Study. *BMC Public Health*. 2005.15:120. PMID: 16287500.
23. Soto Mas F, Balcazar HG, Alberola JV, **Hsu CE**. Correlates of tobacco counseling among Hispanic physicians in the US: a cross-sectional survey study. *BMC Public Health*. 2008. 8:5 PMID: 18179722.
24. Younis H, Barhem B, **Hsu CE**. A Review of the Adoption of Just-in-time method and its effect on efficiency. *Public Administration and Management*. 2007. 12(2): 25-46.
25. Liu LC, **Hsu CE**, Younis MZ. The Association between Government Expenditure and Economic Growth: Granger Causality Test of US Data, 1947-2002. *Journal of Public Budgeting, Accounting, and Financial Management*. 2008. 20 (4), 439-452.
26. Jacobson HE, Soto Mas F, **Hsu CE**, Miller JA, Turley JP. Self-Assessed Emergency Readiness and Training Needs of Nurses in Rural Texas., *Public Health Nursing*. 2010. 27 (1), In Press.

B2: National/Regional Referred Conference Abstracts

- Hsu CE**, Martinez G, Su B, Lee SM. Developing An Evidence-Based Culture of Mental Health Wellness in Under-Represented Asian American Communities, 2007 CDC National Prevention and Health Promotion Summit: Creating a Culture of Wellness. Washington DC Nov 28-29, 2007. CDC.
- Hsu CE**, Liu LC, Bawa J, Tillman U, Li M. A Hepatitis B Education Outreach and Screening Program for Asian American Community in Montgomery County, Maryland. Accepted to present in the Intercultural Cancer Council 10th Biennial Symposium on Minorities, the Medically Underserved and Cancer in Washington DC, Sponsored by Baylor College of Medicine/MD Anderson Cancer Center. April 18-19, 2006.
- Li J, **Hsu CE**, Atkinson N, Tillman U, Gold RS (2005) Asian American Community Health Needs Assessment – Developing a Minority Health Surveillance Database, American Public Health Association Annual Conference in Philadelphia, PA. Dec 2005
- Lee SM, **Hsu CE**, Martinez G, Su B. Model Minority at Risk: Expressed Needs of Mental Health by Asian American Youth., APHA 2007 Annual Conference. Washington DC. Nov 2007.
- Lee SM, **Hsu CE**, Martinez G, Su B. Partnership for Health Disparities Solutions: Collaborating with Hard-to-Reach Asian American Communities to Address Health Needs, Fourth Annual Asian American Health Conference of NYU. New York City 9/28-29, 2007. NYC., NYU Center for Asian Health.
- Hsu CE**, Chiu YW, Miller JA, Soto Mas F. Spatial and Temporal Surveillance of Avian Flu Human Cases - Locating Clear and Present Clusters, American Public Health Association Annual Conference, Nov 4-8, 2006, Boston, MA, APHA. Nov 4-8, 2006.
- Metzger C, **Hsu CE**, Boekeloo B Relating Training Levels of the National Minority AIDS Education and Training, APHA annual conference, Washington DC., American Public Health Association. Nov 2007.
- Hsu CE**, Miller JA, Mas FS, Nkhoma ET. A Spatial-Temporal Surveillance System for Prostate Cancer Disparities in Population Subgroups, American Public Health Association Annual Conference, Nov 4-8, 2006, Boston, MA, APHA. Nov 4-8, 2006.
- Soto Mas F, Jacobson HE, Jackson A, **Hsu CE**. Latino students in health professions: Project PATHS, American Public Health Association Annual Conference in Boston, MA, Boston, MA, American Public Health Association Annual Conference. Nov 4-8, 2006.
- Hsu CE**, Soto Mas F, Jacobson HE. Emergency preparedness and response - comparing the needs of non-urban physicians and veterinarians in North Texas, American Public Health Association. Nov 4-8, 2006.
- Soto Mas FG, **Hsu CE**, Ohagi E, Marshall M, Kaigan K. Bioterrorism-related preparedness of health providers, American Public Health Association Annual Conference in Philadelphia. December 2005.
- Hsu CE**, Hagan KD, Ohagi E and Galvan B. Using GIS to Assist the Assessment of Public Health Preparedness in North Texas. Annual Conference of Texas Public Health Association. San Antonio, TX. Apr 6 2003.

C. Research Support

Grants/Contracts

Borough Wellcome Trust. Gene-environment interaction: Texas Medical Center Consortium. Public Health Informatics Track. 2009 to 2013 Role: **Co-Investigator**.

Cullen Trust for Health Care. Houston, Texas. Dunn K (PI)
01/01/08-08/31/09. An interoperable community health information network for Houston, TX.
Role: Co-Investigator. **Lead**, Research and Evaluation Core.
Award No. 76376376302006-4 Soto Mas F (PI) 01/01/2006 –08/31/2006
Texas Department of State Healthcare Services
Database Inventory and Survey of Nurses for Emergency Preparedness and Response Purposes.
Role: Database/Statistical Consultant.
Community Partnership Grant **C. Ed Hsu** (PI) 03/01/2004 –08/31/2004
CDC/Association of Schools of Public Health
An Evidence-Based Approach to Addressing Health Disparities in Collin County, Texas. Role: **PI**
Community Partnership Grant Soto Mas, F (PI) 03/01/2004 –08/31/2004
CDC/Association of Schools of Public Health
A Collaborative Partnership for Bioterrorism Research Between UNTSPH and Collin County, Texas
Role: **Co-Principal Investigator**.
Contract No. 76376376302004-3 **C. Ed Hsu** (PI) 09/01/2003 –08/31/2004
Texas Department of Health
Biodefense Informatics and Health Surveillance Data Management Training for Public Health Preparedness
and Response to Bioterrorism.
Role: **Project Director**
Contract No. 76376376302004-4 **C. Ed Hsu** (PI) 09/01/2003 –08/31/2004
Texas Department of Health
Database Inventory Based on the Survey of Physicians for Emergency Response Purposes.
Role: **Project Director**
Award No. 76376376302006-4 Soto Mas F (PI) 03/01/2005 –08/31/2005
Texas Department of State Healthcare Services
Database Inventory and Survey of Veterinarians and PAs for Emergency Preparedness and Response.
Role: Database/Web-based Survey Consultant.
Contract No. 7637637630-2003-01 Rene, A (PI) 09/01/2002 –08/31/2003
Texas Department of Health
Texas Department of Health. Public Health Preparedness and Response to Bioterrorism - Educational
Programs in 38 counties of North Texas. Role: **Co-Director**.
Contract No. 7637637630-2003-02 Lykens, K (PI) 09/01/2002 –08/31/2003
Texas Department of Health
Public Health Preparedness and Response to Bioterrorism Needs Assessment, Texas Public Health Regions
II and III Role: **Co-Director**.
Department of Health and Human Services, Montgomery County. State of Maryland. 01/01/2007 –12/30/2007.
Asian American Health Needs Assessment and Action Plan. Asian American Health Initiative. Montgomery
County, MD. Role: **Co-Principal Investigator**
Department of Health and Human Services, Montgomery County, State of Maryland. 09/01/2005 –05/31/2006
Hepatitis B Education and Screening Program for 9 Asian American Communities. Asian American Health
Initiative. Montgomery County, State of Maryland. Role: **Director**
Maryland Statewide Health Network Program, State of Maryland DHMH Through UMAB **C. Ed Hsu** (PI)
01/01/07-06/30/07 Spatial and Temporal Cluster Analysis of Colorectal and Breast Cancer Clusters in MD
Counties. Role: **Director**.
Howard University Boekeloo, B (PI) 09/01/2004 –08/31/2006
HRSA, US DHHS
Evaluation Team of National Minority AIDS Education and Training Center
Role: Evaluation Specialist.
Contract No. 040819-8821. **C. Ed Hsu** (PI) 09/01/2004–06/31/2005
Department of Health and Human Services, Montgomery County, State of Maryland.
Asian American Health Initiative. A Community Health Needs Assessment Database for Asian Americans of
Montgomery County, State of Maryland. Role: **Project Director**