

# Chiehwen Ed Hsu

Curriculum Vitae, updated: May 13, 2013

## **Adjunct Professor, Health Informatics**

1. UT School of Biomedical Informatics

University of Texas Health Science Center, Houston, Texas.

2. University of Maryland, College Park and University College Campuses

Current Address: 100 McAllister Street

San Francisco, CA 94102

Phone: (301) 222-7372 Fax: (240) 595-6138

Email: [chsu@faculty.umuc.edu](mailto:chsu@faculty.umuc.edu)

## **EDUCATION**

**Ph.D.** *University of Texas Health Science Center at Houston. Health Management and Policy. UTSPH, Major: Public Health Informatics Minor: Biometry and Policy. 2001.*

**M. Law** *University of California Hastings College of the Law. Health & Science Law May 2013*

**M. Sc.** *University of Texas Health Science Center at Houston. Health Informatics. UT Biomedical Informatics, 2000.*

**M.P.H.** *University of Texas Health Science Center at Houston. Health Services Research. UT School of Public Health, 1997.*

**B. Sc.** *Fujen Catholic University College of Medicine. Preventive Medicine. 1994.*

## **PROFESSIONAL EXPERIENCES**

### **Research-Track Faculty, FTE**

2008- August 2012 **Associate Professor and Director of Public Health Informatics**

University of Texas Health Science Center at Houston, School of Biomedical Informatics. Cross appointed to School of Public Health, SPH Center for Emergency Research, The Brown Foundation Institute of Molecular Medicine for the Prevention of Human Diseases, Public Health Informatics.

### **Tenure-Track Faculty Positions, FTE**

2004-2007. **Assistant Professor and Coordinator of health informatics**, University of Maryland College Park, School of Public Health, Public Health Informatics.

2001-2004. **Assistant Professor and Coordinator of Informatics Track in Health Management.**

University of North Texas Health Science Center at Fort Worth, School of Public Health, Health Management and Policy.

### 2008- **Adjunct Professor**

University of Maryland University College, Undergraduate Division of Social and Natural Sciences, Graduate School of Management and Technology; University of Maryland College Park, School of Public Health, Health Services Administration.

1998-2001. **Research Assistant**, University of Texas Health Science Center at Houston, School of Public Health, Center for Health Policy Studies.

1997-1998. **Associate Programmer Analyst**, St. Luke's Episcopal Hospital, Houston, Texas.

1996. **Legislative Aide on NHS**, Legislation Research and Legal Translation Services. Taipei, Taiwan.

1991-1994. **Managing Staff**, International Commission for the Blind. Taipei, Taiwan.

## **INFORMATICS EXPERTISE AND INTERESTS**

Over the past 10 years, I have experience researching in clinical knowledge modeling and decision support system development [please refer to peer-reviewed publications - Group # 1], data mining with modeling and simulation [Pub Group #3], human centric design of new health informatics technology [pub #1], health information technology development and evaluation [pub #2], clinical health informatics education involving nurses [pub #6], physicians, public health practitioners, veterinarians and physician assistants [pub #4]; innovative mobile applications to health care and informatics [pub #1]. In addition, I applied informatics to address many challenges of our times, including health disparities [pub #5], public health preparedness and response [pub #4], women's health [pub #7], and distance education [pub #8]. Our team completed more than 20 funded research projects funded by the federal, state, and county health agencies, and published more than 40 peer-reviewed journal articles.

## **FUNDED PROJECTS**

- *Project Director.* 10% Time. Susan G. Komen Foundation through BPSOS. 04/01/2011 to 03/31/2012. Evaluation of The Health Awareness and Promotion Project (HAPP): reducing breast health disparities, morbidity, and mortality among Vietnamese Women in Southeast Texas, from 2011 to 2012.
- *Investigator.* 15% time. U.S. Office of National Coordinator (ONC). 04/02/2010 to 06/30/2012: Professional Master Degree of Health Informatics: Public Health Informatics and EMR. Economy Stimulus Funds from 2010 to 2003.
- *Investigator.* 8% time. U.S. CDC subcontract through TX A&M SRPH: TECS- PERLC. UT Center for Emergency Research. Economy Stimulus funds from 2010 to 2013.
- *Mentoring faculty and Curriculum Coordinator.* Cancer Prevention Research Institute of Texas (CPRIT), State of Texas. 07/01/2010 to 06/17/2012: 5% time. Pre and postdoctoral training program in cancer research. Collaborated with UT School of Public Health. PI: Ness R., \$872,538.00, from 2010 to 2012.
- *Investigator.* 10% Time. U.S. Office of Nat'l Coordinator (ONC) Health Information Technology. 04/06/2010 to 04/05/2012: Texas Gulf Coast HITECH Extension. PI: Dunn K., \$5,826,239.00, from 2010 to 2012.
- *Investigator.* 10% Time. Nana Prefecture, Japan (PI: Noriaki Aoki): GIS and spatial analysis in public health for Nana Prefecture after major earthquakes. Japan. Stimulus Fund. 2009-12
- *Investigator.* CDC 10% Time. UT Center for Public Health Preparedness and Response, SPH, from 2008 to 2010.
- *PI.* Maryland Statewide Health Network Program, State of Maryland DHMH Through UMAB: Spatial and Temporal Cluster Analysis of Colorectal and Breast Cancer Clusters in MD Counties, \$20,000, from 2007 to 2007
- *Co-PI.* Montgomery County DHHS: Asian American Health Needs Assessment and Action Plan, \$100,000, from 2006 to 2007
- *Database consultant.* Texas Department of State Healthcare Services. Award No. 76376376302005-4: Database Inventory of Allied Health Professionals and Providers for Emergency Response Purposes. (PI: Soto Mas F, with Jacobson H), \$49,000. 2004-05.
- *Project Director.* DHHS, Montgomery County, Maryland: Asian American Health Initiative. Developing a Community Health Surveillance Database for Asian Americans of Montgomery County (with Gold B and Atkinson N), \$55,000, from 2004 to 2005

- *Co-Principal Investigator.* CDC/ASPH Community Partnership Reserch Grant: A Collaborative Partnership for Bioterrorism Research Between UNTSPH and Collin County, Texas. (PI: Soto Mas F, with Jacobson H, and Marshall M), \$8,000, from 2004 to 2004
- *Principal Investigator.* CDC/ASPH Community Partnership Grant: An Evidence-Based Approach to Addressing Health Disparities in Collin County, Texas. Community Partnership Research Grant. (with Soto Mas F, Jacobson H, and Marshall M), \$8,000, from 2004 to 2004
- *Survey Database Specialist,* HRSA, US-DHHS: Evaluation Team of National Minority AIDS Education and Training Center (PI: Boekeloo, B), from 2004 to 2005
- *Survey Database Specialist,* HRSA, US DHHS: Evaluation Team of Delta Region AIDS Education and Training Center (PI: Boekeloo, B), from 2004 to 2005
- *Principal Investigator.* Texas Department of Health. Award No. 76376376302004-3: Biodefense Informatics and Health Surveillance Data Management Training (EpiInfo/EpiMap) for Public Health Preparedness and Response to Bioterrorism (With Gratton T and Bae S), \$47,000, from 2003 to 2004
- *Principal Investigator.* Texas Department of Health. Award No. 76376376302004-4: Database Inventory Based on the Survey of Physicians, Other Health Professionals and Providers for Emergency Response Purposes. (with Soto Mas F and Jacobson H), \$49,000, from 2003 to 2004
- *Co-Principal Investigator.* Texas Department of Health. Award No. 7637637630-2003-01: Texas Department of Health. Public Health Preparedness and Response to Bioterrorism - Educational Programs in 38 counties of Texas. (PI: Rene A). 12% support, \$162,000, from 2002 to 2003
- *Co-Principal Investigator.* Texas Department of Health. Award No. 7637637630-2003-02: Public Health Preparedness and Response to Bioterrorism Needs Assessment Texas Public Health Regions 2 and 3. (PI: Lykens K). 33% Salary Support, \$165,000, from 2002 to 2003
- *IT Committee Convener and Investigator.* Health Resources and Services Administration (HRSA), US-DHHS: Informatics Workshops. Texas Public Health Training Center, (PI: Galvan B), \$100,000, from 2001 to 2003

## PEER-REVIEWED PUBLICATIONS (SELECTED FROM 40)

### 1. Clinical Informatics/Patient-Centered Design

- **Hsu CE**, Chambers WC, Herbold JR, Calcote (2010) Towards Shared Situational Awareness and Actionable Knowledge - An Enhanced Public Health Informatics Paradigm for Keeping the Human in the Loop, Journal of Homeland Security and Emergency Management, 7(1): 52.
- Joshi A, de Araujo Novaes M, Machiavelli J, Iyengar S, Vogler R, Johnson C, Zhang J, **Hsu CE** (2012). A human centered GeoVisualization framework to facilitate visual exploration of telehealth data: a case study. Technol Health Care. 2012;20(6):457-71. PMID: 23187012
- Helton J, Langabeer J, DelliFraine J, **Hsu CE** (2012). Do EHR investments lead to lower staffing levels? Journal of Healthcare Financial Management Association. 2012 Feb;66(2):54-60. PubMed PMID: 22372293. *\*Awarded Best Paper of the Year\**
- Maffei RM, Dunn K, **Hsu CE**, Zhang J, Holmes, J (2012) Understanding Behavioral Intent to Participate in Shared Decision-Making in Medically Uncertain Situations, Methods of Information in Medicine. 2012;51(4):301-8. PMID: 22814528
- Joshi A, de Araujo Novaes M, Machiavelli J, Iyengar S, Vogler R, Johnson C, Zhang J, **Hsu CE** (2012). Designing human centered GeoVisualization application - the SanaViz - for

telehealth users: a case study. Technol Health Care. 2012;20(6):473-88. PubMed PMID: 23187013.

- Joshi A, Novaes MA, Iyengar S, Machiavelli JL, Zhang J, Vogler R, **Hsu CE** (Sep 2011) Evaluation of a tele-education programme in Brazil. Journal of Telemedicine and Telecare, 17(7): 341-5. PMID: 21933894.
- Liu LC, **Hsu CE**, Younis MZ (2008) The Association between Government Expenditure and Economic Growth: Granger Causality Test of US Data, 1947-2002, Journal of Public Budgeting, Accounting, and Financial Management 20(4): 439-452.
- Le TD, Bae S, **Hsu CE**, Singh KP, Blair SN, Shang N (2008) Effects of Cardiorespiratory Fitness on Serum Ferritin Concentration and Incidence of Type 2 Diabetes: Evidence from the Aerobics Center Longitudinal Study (ACLS), The Review of Diabetic Studies : RDS, 5(4): 245-52 PMID 19290385

## 2. Evaluation of Health Information/Information Technology

- **Hsu CE**, Danko R, Johnson D, Dunn K, Juo H, Soto Mas F, Sheu JJ (2012) Understanding Public Health Informatics Competencies for Mid-Tier Public Health Practitioners - a Web-based Survey, Health Informatics Journal. 18(1): 66-76 PMID:22447878
- **Hsu CE**, Watson K, Boekeloo B, Shang N, Metzger C, Downer G (Dec 2010) The use of emerging informatics techniques to evaluate the delivery of NMAETC programs to address HIV and AIDS disparities., Journal of the National Medical Association, 102(12): 1116-22 PMID:21287891
- **Hsu CE**, Miller JA, Soto Más F, Nkhoma ET, Chambers CC (2008) 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):70-78.
- Soto Más F, Valderrama J, Brogger J, **Hsu CE** (2005) Tobacco Control: Are We Appropriately Training Future Health Professionals?, American Journal of Health Studies, 20(2): 115-123.
- **Hsu CE**, Johnson L and Brooks A (March 2003) Promoting Health Information Literacy - Collaborative Opportunities For Faculty of Health Sciences and Academic Librarians, Academic Exchange Quarterly, 7(1): 200-206.

## 3. Health Surveillance Information Systems

- **Hsu CE**, Mas FS, Miller JA, Nkhoma ET (Jan 2007) A spatial-temporal approach to surveillance of prostate cancer disparities in population subgroups, Journal of the National Medical Association. 99(1): 72-87 PMID 17304971
- **Hsu CE**, Mas FS, Hickey JM, Miller JA, Lai D (Sep 2006) Surveillance of the colorectal cancer disparities among demographic subgroups: a spatial analysis, Southern medical journal, 99(9): 949-56 PMID 17004529
- **Hsu CE**, Lai D, Begley C, Franzini L (Aug 2002) The Association Between Income and Mortality in Texas and Taiwan - a Comparative Study of Spatial Statistics, Journal of Advances and Applications in Statistics. 2(2): 149-176
- Nkhoma ET, **Hsu CE**, Hunt VI, Harris AM (2004) Detecting spatiotemporal clusters of accidental poisoning mortality among Texas counties, U.S., 1980 - 2001, International journal of health geographics, 3(1): 25 PMID 15509301
- Tan J, Soto Mas F., **Hsu CE** (April 2005) , Chapter 5. E-Public Health Systems: GIS-Related Technologies in Public Health Preparedness, E-Health Care Information Systems: An

Introduction for Students and Professionals (J Tan eds), San Francisco, CA, Wiley/Josey-Bass Publishers, 127-154 ISBN: 0-7879-6618-5.

#### 4. Public Health Preparedness and Response

- **Hsu CE**, Mas FS, Jacobson H, Papenfuss R, Nkhoma ET, Zoretic J (2005) Assessing the readiness and training needs of non-urban physicians in public health emergency and response., Disaster Management & Response : DMR : an official publication of the Emergency Nurses Association, 3(4): 106-11 PMID 16216794 \* *Featured Article* \*
- **Hsu CE**, Jacobson H, Feldman K, Miller JA, Rodriguez L, Soto Mas F (2008) Assessing bioterrorism preparedness and response of rural veterinarians: experiences and training needs, Journal of veterinary medical education, 35(2): 262-8 PMID 18723813
- Soto Mas F., Jacobson H, Olivarez, A, **Hsu CE**, H Juo (2011) Communicating H1N1 risk to college students: a cross-sectional survey study, Journal of Homeland Security and Emergency Management. 9.1
- Soto Mas F, Olivárez A, Jacobson HE, **Hsu CE**, Miller J (2011) Risk communication and college students: The 2009 H1N1 pandemic influenza., Preventive medicine. 52(6): 473-4 PMID 21524661.
- Lai D, **Hsu CE**, Glasser JH (2012) Controlling Influenza A (H1N1) in China: Bayesian or Frequentist Approach., Asia-Pacific journal of public health / Asia-Pacific Academic Consortium for Public Health. 24(2):352-60. PMID: 20685666.
- Phosuwan A, **Hsu CE**, Dunn K, Mansueto M, Salisbury L (2009) Applying Informatics to evaluate 2-1-1 registration system for emergency preparedness and response for vulnerable populations of the Gulf Coast Region of Texas, Texas Public Health Association Journal, 61(4): 42-47.
- Soto Mas F, **Hsu CE**, Jacobson H, Zoretic J, Felán M (2006) Physician assistants and bioterrorism preparedness. Biosecurity and bioterrorism: Biodefense strategy, practice, and science, 4(3): 301-6 PMID 16999591

#### 5. Health Disparities and Minority Health

- **Hsu CE**, Mas FS, Jacobson HE, Harris AM, Hunt VI, Nkhoma ET (2006) Public health preparedness of health providers: meeting the needs of diverse, rural communities., Journal of the National Medical Association, 98(11): 1784-91 PMID: 1712868 \* *Physician Responded* \*
- **Hsu CE**, Zhang G, Yan FA, Shang N, Le T (2010) What Made a Successful Hepatitis B Program for Reducing Liver Cancer Disparities: An Examination of Baseline Characteristics and Educational Intervention, Infection Status, and Missing Responses of At-Risk Asian Americans, Journal of Community Health, 35(3): 325-335 PMID: 2013520.
- **Hsu CE**, Liu LC, Juon HS, Chiu YW, Bawa J, Tillman U, Li M, Miller J, Wang M (Aug 2007) Reducing liver cancer disparities: a community-based Hepatitis-B prevention program for Asian-American communities, Journal of the National Medical Association, 99(8): 900-7 PMID: 17722668 \* *This research work was cited in IOM Report. Hepatitis and Liver Cancer: A National Strategy for Prevention and Control of Hepatitis B and C, 2010* \*
- Khuwaja S, Selwyn BJ, Kapadiab A, McCurd, **Hsu CE** (2012). Stresses Associated with the Process of Adaptation to Host Culture: Pakistani Muslim Adolescent Females Living in Houston, TX, J of Immigrant and Minority Health. PubMed PMID: 22940911
- Lee S, Ma GX, Juon HS, Martinez G, **Hsu CE**, Bawa J (2011) Assessing the Needs and Guiding the Future: Findings from the Health Needs Assessment in 13 Asian American

Communities of Maryland in the United States., Journal of Immigrant and Minority Health, 13(2): 395-401. PMID: 20012202.

- Lee S, Juon HS, Martinez G, **Hsu CE**, Robinson ES, Bawa J, Ma GX (2009) Model Minority at Risk: Expressed Needs of Mental Health by Asian American Young Adults, Journal of community health 34(2): 144-52 PMID: 18931893.
- Lee S, Martinez G, Ma GX, **Hsu CE**, Robinson ES, Bawa J, Juon HS (2010) Barriers to health care access in 13 Asian American communities, American Journal of Health Behavior, 34(1): 21-30 PMID:19663748.
- Chiu YW, **Hsu CE**, Wang MQ, Nkhoma ET (Jul 2008) Examining geographic and temporal variations of AIDS mortality: evidence of racial health disparities, Journal of the National Medical Association, 100(7): 788-96 PMID: 18672555
- 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
- Soto Mas FG, Balcázar HG, Valderrama Alberola J, **Hsu CE** (2008) Correlates of tobacco cessation counseling among Hispanic physicians in the US: a cross-sectional survey study, BMC public health, 8, 5 PMID: 18179722
- Soto Mas FG, Papenfuss RL, Jacobson HE, **Hsu CE**, Urrutia-Rojas X, Kane WM (2005) Hispanic physicians' tobacco intervention practices. BMC public health, 5, 120 PMID: 16287500

## 6. Nursing Informatics

- Jacobson HE, Soto Mas F, **Hsu CE**, Turley JP, Miller J, Kim M (2010) Self-assessed emergency readiness and training needs of nurses in rural Texas, Public Health Nursing. 27(1): 41-8 PMID: 20055967.

## 7. Women's Health

- **Hsu CE**, Jacobson H, Soto Mas F (Feb 2004) Evaluating the disparity of female breast cancer mortality among racial groups - a spatiotemporal analysis, International Journal of Health Geographics. 3(1): 4 PMID: 14987336,
- Chiu YW, Moore RW, **Hsu CE**, Huang CT, Liu HW, Chuang HY (Jun 2008) Factors influencing women's quality of life in the later half of life, Climacteric: the Journal of the International Menopause Society 11(3): 201-11 PMID: 18568785

## CONFERENCE PRESENTATIONS

### 8. DISTANCE LEARNING

- **Hsu CE**, Brixey J, Turley J, Zeng R (2011) When virtual reality meets informatics: Teaching health informatics using Second Life, APHA Annual Conference. American Public Health Association, Washington DC.
- Brixey J, **Hsu CE**, Turley J. Workflow Simulation in Second Life for an Ambulatory Care Clinic: Developing Essential Workflow Modeling Skills. MedBiquitous Annual Conference. May. 2012

## Other presentations of health informatics interest

- McGee D, Frieden L, **Hsu CE** (2011) Proposal for a Medical-Legal Collaboration in the Texas Medical Center, CPRIT Annual Research Conference, CPRIT, Austin, Texas. 2011.
- Brickham T, **Hsu CE**, Yang SB, Chen S, Ajani S (2011) Hepatitis B in the Asian-American Community, APHA, American Public Health Association, Washington DC,
- Kieser K, Rayakar K, Juo J, Miller J, **Hsu CE** (2011) Barriers to receiving breast cancer screening and treatment for Asian American Women in Houston, Texas, Innovations in Cancer Prevention and Research Conference in Texas, Cancer Prevention and Research Institute of Texas, Austin, Texas, CPRIT.
- Tamara Brickham, **Hsu CE** (2010) Hepatitis B prevalence, status and susceptibility of Vietnamese Americans in Houston: Ten years in review, APHA Annual Conference., American Public Health Association, Denver, CO
- Ashish Joshi, **Hsu CE** (2010) Application of spatial methods in identifying geographic variations in populations with chronic diseases: A critical review, APHA Annual Conference, American Public Health Association, Denver, CO
- Jinghong Ma, **Hsu CE** (2010) Qualitative evaluation of SAFE method for implementation in less developed countries, APHA Annual Conference, American Public Health Association, Denver, CO
- Joshi A, Zhang J, **Hsu CE** (2010) An Exploratory Analysis On The Visualization Of Temporal Utilization Of Total Joint Arthroplasty In 2000-2008, The XII Brazilian Health Informatics Conference (CBIS), XII Congresso Brasileiro de Informática em Saúde, Brazil, não será publicado nos ANAIS do evento
- Maffei RM, Dunn K, **Hsu CE**, Zhang J, Holmes J (2010) Creating an Informatics Framework for Shared Decision-Making for Patient and Physician: Integration of Reasoned Action and Informatics Model for Shared Decision-Making for a Patient and Physician to Assure Quality When Dealing with Medical Uncertainty - P, AMIA, American Medical Informatics Association.
- Frieden L, **Hsu CE**, Dunn K, Shang K, Petty R (2009) Semantics of Disability in the Context of Emergency Preparedness and Response, APHA annual meeting, Philly, PA. Paper #203793
- Le TD, Bae SJ, **Hsu CE** (2009) Effects of Cardiorespiratory Fitness on Serum Ferritin Concentration and Type 2 Diabetes: The Aerobics Center Longitudinal Studies, APHA annual meeting, Philly, PA. Paper # 207620
- **Hsu CE**, Danko RA, Johnson D, Ning S, Salako D (2009) Understanding Public Health Informatics Competencies - an Online, Web-based Survey Approach, APHA annual meeting, Philly, PA. Paper # 207527
- Dunn K, **Hsu CE**, Love D et al., (2009) Medical Home Model and Health Information Exchange for Patient-Centered Quality, annual meeting, Philly, PA. Paper #209648
- Dunn K, Mansueto MA, **Hsu CE** (2008) HealthQuilt: A Texas HIE Initiative in Houston Metropolitan Area, APHA annual meeting, Philly, PA. Abstract ID# 189921
- **Hsu CE**, Soto Mas F, Tsai IH (2008) Delivery of Culturally Accessible Public Health Research for Vulnerable Populations - Meeting their public health information needs, APHA annual meeting., American Public Health Association, San Diego, CA
- **Hsu CE**, Chekuri S, FY Hsiao (2008) A FREE GIS-Enabled, Integrated Public Health Surveillance Program, APHA annual meeting, American Public Health Association, San Diego, CA

- **Hsu CE**, Soto Mas, F, Tsai IH, Hsiao FY, Chekuri SC (2008) Meeting the Needs of Public Health Preparedness of Rural Health Providers in Texas - A Spatial Analysis Approach, APHA annual meeting, American Public Health Association, San Diego, CA
- **Hsu CE** (2008) Graduate Certificate and Dual Degree Programs in Public Health Informatics in the University of Texas Health Science Center: Lessons Learned, APHA annual meeting, American Public Health Association,, San Diego, CA
- Jafari R, **Hsu CE**, Balcazar H (2008) AIDS Mortality Clusters in Texas Counties: How Health Administrator can Address the Disparities by Demographic Groups, American Public Health Association, San Diego, CA. Abstract ID#: 189922
- Yan AF, **Hsu CE**, Zhang GY (2008) Differences in predicting Hepatitis B knowledge and practices - A pilot study among at-risk Asian American communities in Maryland, American Public Health Association, San Diego, CA. Abstract ID# 171812.
- Lee S, **Hsu CE**, Martinez G et al. (2008) Health Policy Actions for the Minority Within and Beyond Minority Borders: Priorities and Action Plans for Improving Asian American Health in Maryland, APHA annual meeting., American Public Health Association, San Diego, CA. Abstract ID# 186638,
- Soto Mas F, **Hsu CE**, Ji Ming (2008) Bioterrorism preparedness of non-urban healthcare providers, SOPHE Mid Year National Conference, Society of Public Health Educators, Chicago, IL
- Hsiao FY, Kuo YY, Chang P, **Hsu CE** (2008) The Development of Integration Mobile-Based Home Care Support Systems: MDS-HC as an Example., AMIA .. Annual Symposium proceedings / AMIA Symposium. AMIA Symposium, 978
- Hsiao FY, Chang P, **Hsu CE** (2008) Information disparities of Taiwan's health Web sites by spatial variation., AMIA .. Annual Symposium proceedings / AMIA Symposium. AMIA Symposium, 979
- **Hsu CE** Martinez G, Su B, Lee SM (2007) 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., Centers for Disease Control and Prevention.
- Lee SM, **Hsu CE**, Martinez G, Su B (2007) Model Minority at Risk: Expressed Needs of Mental Health by Asian American Youth., APHA 2007 Annual Conference. Washington DC. Nov 2007, American Public Health Association.
- Lee SM, **Hsu CE**, Martinez G, Su B (2007) 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
- Metzger C, **Hsu CE**, Boekeloo B (Nov 2007) Relating Training Levels of the National Minority AIDS Education and Training, APHA annual meeting, Washington DC., American Public Health Association
- Metzger C, **Hsu CE**, Boekeloo B (Nov 2007) Webinar Registration System: Building Health Informatics Capability for Distance Learning in Cultural Competence Training, APHA annual meeting., American Public Health Association
- Younis H, Barhem B, **Hsu CE** (2007) A Review of the Adoption of Just-in-time method and its effect on efficiency, Public Administration and Management, 12(2)25-46,
- **Hsu CE**, Liu CH, Bawa J, Tillman U, Li M (2006) A Hepatitis B Education Outreach and Screening Program for Asian American Community in Montgomery County, Maryland,



American Public Health Association Annual Conference, Nov 4-8, 2006, Boston, MA,  
American Public Health Association

- Miller JA, **Hsu CE**, Mas FS, Harris AM, Bae SJ (2006) Biodefense Informatics Training: EpiInfo and Data Management Workshops for Public Health Workers, American Public Health Association Annual Conference, Nov 4-8, 2006, Boston, MA, APHA
- **Hsu CE**, Miller JA, Mas FS, Nkhoma ET (2006) 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
- **Hsu CE**, Chiu YW, Miller JA, Soto Mas F. (2006) 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
- Soto Mas F, Jacobson HE, Jackson A, **Hsu CE** (2006) Latino students in health professions: Project PATHS, American Public Health Association Annual Conference, Nov 4-8, 2006, Boston, MA, American Public Health Association
- **Hsu CE**, Soto Mas F, Jacobson HE (2006) Emergency preparedness and response - comparing the needs of non-urban physicians and veterinarians in North Texas, American Public Health Association Annual Conference, Nov 4-8, 2006
- Soto Mas F, **Hsu CE**, Jacobson HE (2006) Public Health Preparedness and Response: A Comparative Study of Healthcare Providers, Society for Public Health Education's (SOPHE) 2006 Midyear Scientific Conference
- **Hsu CE**, Liu LC, Bawa J, Tillman U, Li M (2006) A Hepatitis B Education Outreach and Screening Program for Asian American Community in Montgomery County, Maryland, Intercultural Cancer Council 10th Biennial Symposium on Minorities, the Medically Underserved and Cancer in Washington DC, Washington DC, Sponsored by Baylor College of Medicine/MD Anderson Cancer Center, Houston TX, 694
- Soto Mas FG, **Hsu CE**, Ohagi E, Marshall M, Kaigan K (2005) Bioterrorism-related Preparedness of Health Providers, American Public Health Association Annual Conference in Philadelphia, PA. Dec 2005, APHA
- 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
- **Hsu CE**, Boekeloo B, Hardt A, Bellows D., Otway M, McNeil J et al. (Sep 2005) Relating Characteristics of the National Minority AIDS Education and Training Center Programs to High Minority AIDS Incidence Geographic Areas in the US, Treatment and Management of HIV Infection in the United States Conference
- Lykens K, Moayad N, Sammer C, **Hsu CE** and Patrick M (June 2003) Public Health Preparedness In Rural North Texas, Proceedings of Annual Conference of Association of Health Services Research and Health Policy in Nashville, TN
- **Hsu CE** Hagan KD, Ohagi E and Lykens K (Apr 2003) Using GIS to Assist the Assessment of Public Health Preparedness in North Texas, Proceedings of Annual Conference of Texas Public Health Association at San Antonio, TX
- **Hsu CE**, Stone M, Zakos-Feliberti A, Padgett P (Oct 2000) The Application of Interactive GIS Mapping and Dynamic Queries For Health Monitoring, International Medical Informatics Symposium in Taiwan (MIST 2000) Taipei

- **Hsu CE** (2000), in Ying et al. Chapter 13-14 of Book chapters translation in Chinese Mandarin, 'Designing and conducting health surveys: a comprehensive guide'. Originally authored by Lu Ann Aday. San Francisco, CA: Jossey-Bass Publishers, c1996. by Ho-Chi Publishing, Taipei.

## **MEMBERSHIP**

- American Medical Informatics Association.
- American Public Health Association.
- Steering Committee, National Viral Hepatitis Roundtable.

## **COMMUNITY SERVICES: FEDERAL/STATE/UNIVERSITY & MEDIA**

1. Member of Federal Scientific Review Panel for NIH, CDC, NCCDPHP, and NLM study section Special Emphasis Panels (For R and U grant mechanisms).
2. Member of Scientific Review Panel, State of California HIV/AIDS Research Program, 2009-11.
3. State Committee of Measuring Health Disparities, Health Data Workgroup of Measuring Health Disparities, Department of Health and Mental Hygiene, State of Maryland, Baltimore, 2004-2005
4. Blue Ribbon Panel. Center on Health Disparities. Adventist HealthCare Systems. Rockville, MD.
5. University Senator, University of Maryland 2005-2007
6. University IRB Standing Reviewer, University of Maryland 2005-2007
7. Collegiate and Department Committees included faculty search committees, bylaws, faculty development, curriculum, student and alumni affairs, and participate in writing informatics section for self-study committee for two Schools of Public Health accreditation.
8. Media: Contributor to ABCNews medical unit, and other media and press on informatics issues.
9. Steering Committee Member, National Virus Hepatitis Roundtable. In this capacity I collaborated with Congressional leadership (including some representatives from California) and provide input to health bills.

## **EDITORIAL BOARD/REVIEWER**

1. Editorial Review Board, International Journal of Health Information Systems and Informatics 2005-
2. Associate Editor, International Journal of Computational Models and Algorithms in Medicine. 2008-
3. Editorial Review Board, American Journal of Health Behavior. 2005-
4. Ad Hoc Reviewer: Journal of Medical Systems. Journal of the National Medical Association. Journal of Healthcare for the Poor and Underserved. Disaster Medicine and Public Health Preparedness (AMA Journal). International Journal for Equity in Health. Journal of Critical Care. Health Policy. Psychological Services (APA Journal), BMC Health Services Research, BMC Research Notes, American Public Health Association Conferences. AMIA Annual Conference.

## **INFORMATICS COURSES TAUGHT ONLINE (AND ON-GROUND READY)**

- HI 5380 Principles and Foundations of Public Health Informatics.
- HI 5381 Methods of Public Health Informatics.
- HIT 5301 The U.S. Healthcare System.
- HI 6312/HIT 5324 Project Management in Healthcare.
- HLSA750 Healthcare Management Information Systems.
- HCAD 610 Information Management in Healthcare Administration.
- HGMT 101 Introductions to Health Informatics.
- HGMT 105 Health Administration and Policy.
- HGMT 110 GIS and Spatial Analysis In Health Research.
- HGMT 120 Advanced Health Informatics.