

# DANMENG HUANG

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## EDUCATION

**School of Public Health, University of Texas, Houston, TX** 8/2018

Ph.D in Policy and Management Science

*Pre-doc Fellow, National Cancer Institute Fellowship*

GPA: 3.875/4.0

Relevant coursework:

Quality Management, Econometrics in Public Health, Advance Econometrics, Methods for the Economic Evaluation of Health Programs, Healthcare Finance, Decision Analysis, Intro to Research Methods, Ethics in Policy, Advanced Economics, Health Policy Analysis, Advance Public Policy, Claims Data Management, Categorical Analysis, Systematic Review/Meta-Analysis

**Cornell Institute for Public Affairs, the College of Human Ecology, Cornell University, Ithaca, NY** 5/2014

Master of Public Administration

Concentration: Social Policy/ Healthcare Policy and Management

GPA: 3.52/4.0

Fellowship: \$22,000/year

Relevant coursework:

Quantitative methods: Public Systems Modeling, Multiple Regression Analysis, Advanced Regression Analysis, Introduction to Geographic Information System, GIS & Spatial Aspects of Policy, Advanced GIS Analysis, QUANT Methods & GIS Analysis.

Economic analysis and Finance: Public & Spatial Economics, Managerial Finance, Economics of Health Policy, Health Economics II, Strategy Management and Organizational Design of Health Care System.

Health care concentration: Health Economics II, Fundamentals of Population Health, The US Health Care System, Pharmaceutical Management & Policy, Qualitative Survey/Mix Method Policy Research, Epidemiology Foundations.

**Sun Yat-sen University (SYSU), Guangzhou, China** 6/2012

Bachelor of Administration, Major: Public Policy

GPA: 3.64/ 4.0

**Zeppelin University, Friedrichshafen, Germany** 1/2011

Exchange Student, Department of Public Management & Governance

GPA: 3.7/4.0

## EXPERIENCE

**Department of Health Services Research, MD Anderson Cancer Center, Houston, TX** 11/2016-Present

*Graduate Research Assistant, Project Engineering, Surgery, and Psychology (ESP), Mentor: Scott B. Cantor, PhD*

- Conduct decision analysis and model building.
- Did literature search and review.
- Measure quality of life among breast cancer survivors
- Dataset management

**Texas Children's Hospital, Houston, TX** 4/2015-5/2016

*Graduate Research Assistant, Radiation Therapy in Children*

- Conducted systematic literature search and review.
- Collected cost data for cost-effectiveness analysis
- Paper: *Economic Evaluation of Proton Beam Craniospinal Radiation Therapy in Children: A Systematic Review*

**Health Promotion & Behavioral Center, University of Texas, Houston, TX** 10/2014-4/2015

*Graduate Research Assistant, Project 2-1-1 & HPV, Mentor: David R. Lairson, PhD*

- Sensitivity analysis of cost-effectiveness paper of colorectal cancer screening intervention.
- Conduct Cost-effectiveness Analysis and Budget Impact Analysis.
- Did literature search and review.

- Survey management in REDCap and Qualtrics.
- Data cleaning and preparation for analysis
- Collecting cost data for cost-effectiveness analysis
- Paper: *Cost-effectiveness of 2-1-1 call center-based cancer prevention navigation program in Texas; Budget Impact Analysis of 2-1-1 call center-based cancer prevention navigation program in Texas; Cost-effectiveness of two small media interventions to promote HPV vaccination*

**Health Department of Hainan Province, Haikou, China**

6/2013-8/2013

*Medical Affairs Division Researcher*

- Created, wrote, and edited a variety of communications including presentations, project reports, proposals, standard operating procedures, and other documents.
- Coordinated medical management and operation seminars and other activities with visiting group from 5 other provincial health departments to improve their managerial efficiency.
- Led the research of *Third-party Mediation, A New Way To Solve Medical Disputes In Hainan Province* and received funding of \$1,500, including writing research proposal, designing quantitative survey and conducting qualitative interview.
- Assisted in writing research proposal of *Research on Inpatient Disease Spectrum of Hainan Province*
- Conducted SWOT and strategic analysis for a project named Research on Strategy of Developing Medical Tourism in Hainan Island.

**Guangdong Science and Technology Press, Guangzhou, China**

5/2012-7/2012

*Editor Intern*

- Reviewed and edited manuscripts on Chinese traditional medicine.
- Wrote and published articles to promote new books in newspapers.

**First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China**

2/2012-4/2012

*Medical Department Assistant*

- Conducted 10 qualitative interviews, designed questionnaire and collected data for the project *The Cooperation Between Large General Hospitals And Community Health Service Institutes* in Guangdong Province.
- Wrote and published *The exploration of new two-way referral in a Ministry Affiliated Hospital*.
- Developed and implemented patient satisfaction survey, analyzed and reported results using STATA.

**Hainan Center for Disease Control, Haikou, China**

7/2011-9/2011

*Office Assistant, AIDS and STD Prevention and Control Coordination*

- Organized and coordinated the 2011 Hainan AIDS Prevention and Treatment Conference of more than 200 attendances.
- Wrote and published paper: *Suggestions for Improvement on AIDS Prevention and Treatment Policy in Hainan Province*

**Hainan Provincial People's Hospital, Haikou, China**

6/2010-8/2010

*Intern, Physician Assistant of Electrocardiograph (ECG) Room*

- Mastered the operation of ECG device, and independently utilized the device to print ECGs for the patients.
- Improved the queuing system and the workflow which enhanced work efficiency and patients' satisfaction.

## **FUNDED GRANT**

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**Health Department of Hainan Province, Haikou, China, \$1500**

6/2013-8/2013

- Principal Investigator

## **PEER-REVIEWED PUBLICATIONS**

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Karant, Siddharth S., David R. Lairson, **Danmeng Huang**, Lara S. Savas, Sally W. Vernon, and María E. Fernández (2017). The cost of implementing two small media interventions to promote HPV vaccination. *Preventive Medicine* [DOI: 10.1016/j.ypmed.2017.03.002; PMID: 28322881]

David R. Lairson, Swati Misra, **Danmeng Huang**, Wenyaw Chan, Sally W. Vernon, Maria E. Fernandez (2016). Cost Effectiveness of Lay Health Worker Delivered Interventions to Promote Colorectal Cancer Screening: A Randomized Trial *Journal of Healthcare Communication*. [DOI: 10.4172/2472-1654.10007; PMCID not available]

**Danmeng Huang**, Canmao Xie, Hongzhong Huang (2012). The Exploration of New Two-way Referral in a Ministry Affiliated Hospital. *Modern Hospital* [DOI: 10.3969 /j.issn.1671-332X.2012.07.001; Not NIH funded]

**Danmeng Huang**, Canmao Xie, Hongzhong Huang (2012). The Exploration on Venue Healthcare Service for Big Games like Asian Games. *Guangzhou Medicine Journal* [DOI: 10.3969 /j.issn.1000-8535.2012.04.028; Not NIH funded]

**Danmeng Huang** (2012). Suggestions for Improvement on AIDS Prevention and Treatment Policy in Hainan Province. *Chinese Journal of AIDS & STD*. [Not NIH funded]

## **UNDER PREPARATION**

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Mapping the Functional Assessment of Cancer Therapy - Breast (FACT-B) to the 5-level EuroQoL group's 5-dimension questionnaire (EQ-5D-5L) utility index

Evaluating Health State Utilities for Breast Cancer Survivors Experienced Breast Reconstruction

Effect of Testosterone Therapy on Prostate Cancer

Cost-Effectiveness Analysis of Adaptive Risk Hepatitis B Virus Screening in Patients with Cancer Anticipating Immunosuppressive Cancer Therapy

Racial/Ethnic Differences in Access to and Cost Associated with a Patient Centered Medical Home among Long-term Breast Cancer Survivors

Cost-effectiveness of Colorectal and Breast Cancer Screening Web-based Programs: COBRA

Cost-effectiveness of two educational interventions to promote HPV vaccine initiation among Hispanic girls

Budget Impact Analysis of Adding Navigators to 2-1-1 Call Center-based Cancer Prevention Program

Cost-effectiveness of Adding Navigators to 2-1-1 Call center-based Cancer Prevention Program in Texas

Economic Evaluation of Proton Beam Craniospinal Radiation Therapy in Children: A Systematic Review

## **PRESENTATIONS**

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**Danmeng Huang**, David.R.Lairson, Siddharth Karant, Lara Staub Savas, Maria E. Fernandez. Cost Effectiveness of Lay Health Worker Delivered Interventions to Increase HPV Vaccine Initiation among Hispanic Females: A Randomized Control Trial. Accepted poster presentation at the 41st annual meeting of the American Society of Prevention Oncology (ASPO), March 12-14, 2017 – Seattle, WA.

## **RESEARCH PROJECTS**

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Promoting Colorectal and Breast Cancer Screening in Women: COBRA Study	4/2017-Present
Engineering, Surgery, and Psychology: Breast Reconstruction Decisions	11/2016-Present
Proton Beam Radiation Therapy vs. Conventional Beam Radiation Therapy: Toxicities During & After Craniospinal Radiation Therapy in Children	4/2015-5/2016
CPRIT 2-1-1 Program to Increase Cancer Control Behaviors Among Underserved Texans	8/2014-12/2016
Cancer Communication Interventions to Increase HPV Vaccination among Hispanic Adolescents	8/2014-2/2015
Is Third-Party Mediation a Better Way to Solve Medical Disputes? An Empirical Study of Hainan, China	5/2014-8/2014

Proposed Interventions to Reduce Adolescent Pregnancy in Central America	2/2014-4/2014
How patients choose medical facilities: analysis of China Health and Nutrition Survey of 2006 in Guangxi Province	9/2013-12/2013
Pharmaceutical Politics: Game Analysis on Drug Price Regulation	5/2012-8/2012
Happiness and harmony of Guangzhou society: the study of peasant-workers	5/2012-8/2012
The cooperation between large general hospitals and community health service institutes	2/2012-5/2012
Suggestions for Improvement on AIDS Prevention and Treatment Policy in Hainan Province	8/2011-9/2011
Research on the Status Quo of Pharmaceutical Distribution under the New Medical Reform	4/2011-5/2011
Quality Assessment and Suggestions for SYSU General Education Reform	5/2010-7/2010
Fiscal balance of alien workers in Pearl River Delta Area	8/2009-9/2009
Feasibility Study of Library Resources Sharing in Guangzhou Higher Education Mega Center	5/2009-7/2009
The Countermeasures and Prospects of Clothing Import and Export Trading in Dongguan after the Financial Crisis	4/2008-5/2008

## **TEACHING EXPERIENCE**

Lecturer, Net Benefit Regression, PH 3915 Methods for Economic Evaluation of Health Programs	Fall 2017
Teaching Assistant, PHD 3930 Econometrics in Public Health	Fall 2014

## **HONORS & AWARDS**

Houston Chapter of Healthcare Information and Management Systems Society Scholarship Award, 2017
National Cancer Institute Fellowships \$24,000 annually
Cornell Fellowship \$22,000 annually
The First Prize in SYSU Liberal Arts Education Research Competition
Excellent Team in "Scientific Management and Mutual Development" Research Competition
The Third Prize in "Concerns of SG" Research Activity

## **PROFESSIONAL MEMBERSHIPS**

Healthcare Information and Management Systems Society	Present
International Society for Pharmacoeconomics and Outcomes Research	Present
Society for Medical Decision Making	Present

## **ADDITIONAL TRAINING**

TreeAge Trainings - Healthcare Modeling & Advanced Markov/DES Model, Boston	2017
Principles for Budget Impact Analysis	2017
Introduction to Health Economics and Outcomes Research	2017
Meta-Analysis, UTSPH	2017
How to Write an Innovation Section of a Grant, ASPO	2017
SAS Programming with Healthcare Claims Data, UTSPH	2016
Moderation, Mediation, and Spill-over Effects, University of Chicago	2016
Eight Ways to Successfully Navigate NIH Peer Review and Get a Fellowship Grant, NIH	2016

## **ACTIVITIES**

Network Promotion Department, Student Union of SYSU, <b>Associate Director</b>	4/2009- 6/2010
AIDS Care Activity of Red Ribbon Association, <b>Volunteer</b>	3/2010-6/2010
SYSU Social Welfare Activity: cooperated with Hainan's NGOs and Haikou Municipal Government to provide food and clothing to needy families, <b>Leader</b> of the STAR Team	1/2010-2/2010
Gaoping Primary School, <b>Volunteer Teacher</b>	03/2009
25 students for SYSU Recruitment in Hainan Province, <b>Leader</b> of Hainan Volunteer Team	1/2009-2/2009

## **ADDITIONAL**

Language Competence: Mandarin (native), Cantonese, Hainan Dialect (native), English (fluent), German (basic)
Computer Skills: QDS, Quadrics, ArcMap GIS, GeoDa, SPSS, STATA, Access (National Computer Rank Examination Certificate Grade 2), Photoshop, Ulead Video Studio and other multimedia design software
Interests: Basketball, Tennis, Traveling, Piano, Dulcimer, Aerobics, Photography