

# Xiaohui (Amy) Hou

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## EDUCATION

- Ph.D.** Health Services and Policy Analysis (focus on Health Economics),  
**University of California at Berkeley, 2006**
- M.A.** Economics, **University of California at Berkeley, 2005**
- MHPA.** Health Policy and Administration, **Washington State University, 2002**
- B.S.** Biochemistry and Molecular Biology, **Beijing University, China, 1998**

## WORK EXPERIENCE

### HIGHLIGHTS

- Led Bank team in high level policy dialogue, both at the global level and country level;
- Analytical and operational experiences in low, middle, and high-income countries, including fragile and conflict states.
- In-depth country experiences: Cote D'Ivoire, China, Croatia, Georgia, India, Moldova, Mexico, Pakistan, Papua New Guinea, Samoa, Solomon Islands, Timor-Leste, Tonga, Zimbabwe, Zambia, United States, Viet Nam.
- Publications in reputable economics and health journals;
- Business development and resource mobilization.

**07/2017 – now**      **Senior Economist, Health Nutrition and Population Global Practice, East Asia and Pacific Region and Global, World Bank, Washington DC**

### Trust Fund Coordination

- Leading the Health Emergency Preparedness and Response Program Preparedness pillar, coordinating with twelve country teams to deliver the Recipient Executed Trust Fund Grant for Health Emergency Preparedness (\$22.4 million);
- Coordinating the Health Emergency Preparedness Technical Assistance to countries in need to strengthen their capacity to prepare for public health emergency.

### Global Knowledge Development and Coordination

- Leading Global Report on “Integrated People-Centered Care for an Aging Population”
- Leading Global Allocative Efficiency and Benefit Package program, using Health Interventions Prioritization tool (HIPtool) and coordinating the HIPtool application in Zimbabwe, Cote D'Ivoire, Zambia, and Armenia;
- Co-led the COVID vulnerability dashboard development using Geographic Information System (GIS) tool;

- Coordinated with academic partners, WHO, UN agencies and Gate foundation on improving allocative efficiency and benefit package design;
- Led the team and delivered the regional two-day workshop on “when two transitions converge: integrating externally-financed health programs while gearing up for non-communicable diseases” in Prince Mahidol Award Conference (PMAC Conference), with representatives from more than fifteen countries.

### **Country Programs Implementation**

- Coordinated with county teams to conduct intervention prioritization analysis and built country and regional capacity in conducting interventions prioritization and benefit package design;
- Led the training on “Governance in Health” and coordinated the training on “Social Health Insurance and purchasing” for Chinese delegation;
- Led Health Insurance Consolidation Policy Notes as the key technical assistance to the National Health Security Agency in China;
- Led the allocative efficiency on high-value medical equipment location prioritization analysis in Vietnam.
- Participated and mentored junior staff in preparing the China Hainan Health Project.

**07/2013 – 06/2017      Senior Economist, Health Nutrition and Population Global Practice, World Bank, Sydney, Australia**

### **Program Leadership and management**

- Led/managed the health portfolio and policy dialogue in Papua New Guinea and strategized it into a solid three pillar program focusing on analytics and technical assistance, capacity building, collaboration for lending. Areas include revenue generation, public financial management, health equity, immunization services delivery, health facility survey and efficiency analysis, and nutrition interventions through an agriculture project;
- Led the Programmatic Analytical and Advisory Activities in the Timor Leste, focusing on health equity, human resources for health, health fiscal space and medium-term health expenditure analyses and forecast.
- Led the team and designed within a record 6-month period the Emergency TB Project in Papua New Guinea;
- Led the dialogue with stakeholders including the Australian Department of Foreign Affairs and Trade, New Zealand Ministry of Foreign Affairs and Trade, WHO, UNICEF, UNDP, World Vision and other UN agencies and civil societies.

### **Regional Coordination and Partnership on Non-Communicable Diseases**

- Led the Pacific Non-Communicable Diseases tasks and policy dialogue with regional partners, including the Australian Department Foreign Affairs and Trade, the New Zealand Ministry of Foreign Affairs and Trade, Secretariat of the Pacific Community (SPC), and World Health Organization regional office;
- Led the Pacific Non-Communicable Diseases Roadmap, which was presented in the first joint Pacific Economic and Health Ministers’ Meeting in July 2014, Honiara, Solomon Islands;

- Led the analysis of economic costs of NCDs in the Pacific, and multi-sectoral actions to address the NCDs crises in the Pacific, as part of Pacific Possible Flagship report.

**11/2010- 07/2013      Senior Economist, World Bank Institute, World Bank, Washington DC**

**Training design and Capacity Building**

- led Asia Pacific Network for Health System Strengthening, built the capacity of the academic and non-academic institutions in the region to deliver health system strengthening trainings and South-South knowledge exchange programs;
- Led China-Africa Knowledge Exchanges program;
- Led the week-long China Public Hospital Reform Course;
- Led the publication of the book “Learning from Economic Downturns - Learning from Economic Downturns: How to Better Assess, Track, and Mitigate”, funded by Rapid Social Response Program.

**09-2008- 11/2010      Economist, Social Protection, South Asia Region, World Bank, Washington DC.**

- Led the targeting component using the Poverty Scorecard in the Pakistan Social Safety Net Development Policy Credit (DPC) and Technical Assistance (TA) lending;
- Designed and analyzed the Poverty Scorecard;
- Led the Pakistan Programmatic Social Protection Policy Notes; Co-led Pakistan Social Safety Net Report;
- Core team member in Health Insurance Program for the Poor in India, focus on monitoring and evaluation;

**09/2006 – 08/2008      Economist/Young Professional, World Bank, Washington DC**

- Led the Poverty Scorecard analysis for Pakistan Poverty work;
- Led the background papers of child labor and youth labor in Pakistan, as part of the Poverty Assessment Report for Pakistan;
- Primary Author for Implementation Completion Report for Health Investment Fund project in Moldova, rated satisfactory by IEG;
- Provided technical and operational support to various health teams in the Eastern Europe and South Asia including Moldova, Georgia, Croatia, Pakistan and India;
- *Co-authored* “Health” in “Fiscal Policy and Economic Growth – Lessons from Eastern Europe and Central Asia” edited by Gray C. etc;
- Designed and led the initial impact evaluation of the Medical Assistance Program in Georgia.
- Led the Public Expenditure Tracking study on the Mid-day Meal Program in Bihar, India.

**09/2002-05/2006      Graduate Student Researcher for Professor Paul Gertler and Professor Richard Scheffler, UC Berkeley**

- Conducted impact evaluation of the conditional cash transfer program (Progres/Oportunidades) in Mexico

**05/2002-08/2002      Financial Analyst, Spokane Eye Surgery Center, Spokane, WA**

- Evaluate the cost and feasibility of a third wing expansion to the current facility

**05/2001-08/2001      Financial Analyst, Pharmaceutical Department, Blue Cross, Spokane, WA**

- Managed and analyzed the pharmaceutical claims

**09/1998-07/1999      Assistant Manager, Fosun Cooperation, Shanghai, China**

- Invested high-value medical equipment in public hospitals in China

## PUBLICATIONS

### *JOURNAL ARTICLES*

1. Hou, X, Zhang, J. (2017) The effects of public health insurance expansion on private health insurance in urban China. *International Journal of Health Economics and Management*. DOI 10.1007/s10754-017-9213-0.
2. Hou, X., Witter, S., Zaman, R., Engelhardt, K., Hafidz, F., Julia, F. Lemiere, C., Sullivan, E., Saldanha E., Palu, T. Lievens, T. (2016). What do health workers in Timor-Leste want, know and do? Findings from a national health labor market survey. *Human Resources for Health*, 14(1), 69.
3. Smits MF, Witter S, Lemiere C, Eozenou PH, Lievens T, Zaman RU, Engelhardt K, Hou X. (2016). Understanding Health Workers' Job Preferences to Improve Rural Retention in Timor-Leste: Findings from a Discrete Choice Experiment. *PLoS One*. 2016 Nov 15;11(11):e0165940.
4. Hou X. (2016) Stagnant stunting rate despite rapid economic growth —an analysis of cross sectional survey data of undernutrition among children under five in Papua New Guinea. *AIMS Public Health* , 2016, 3(1): 25-39.
5. Hou X. Hong SY. Scott, K. (2015) The Heterogeneous Effects of a Food Price Crisis on Child School Enrollment and Labor – Evidence from Pakistan. *Journal of Development Studies*. 2015
6. Hou X., Xu, X, Anderson I, (2015) Determinants of Tobacco Consumption in Papua New Guinea: Challenges in Changing Behaviours. *Asia and the Pacific Policy Studies*. 28, May, 2015.
7. Hou X. (2015) How does women's decision-making power affect budget share, nutrition and education in Pakistan? *Journal of Family and Economic Issues*. First on line: 26 February 2015.
8. Hou X. Rakhshani NS, Iune R. (2014) Factors associated with high Cesarean deliveries in China and Brazil - A Call for reducing elective surgeries in moving towards Universal Health Coverage. *Journal of Hospital Administration*, 2014, Vol. 3, No. 5
9. Hou, X. Ma, N. (2012) Empowering Women: The Effect of Women's Decision-Making Power on Reproductive Health Services Uptake—Evidence from Pakistan. *Health Policy and Planning*, 2012: 1-9
10. Hou X, Dai T. (2011) "The evolution of the hospital system in China." *World Hosp Health Serv*. 2011;47(4):6-9.
11. Hou X. Chao, S. (2011) Targeted or untargeted? The initial assessment of a targeted health insurance program for the poor in Georgia", *Health Policy*, 2011(102): 278– 285
12. Hou, X. (2010) Challenges for Youth Employment in Pakistan: Are They Youth-Specific? *the Pakistan Development Review*. Vol 49, No (3), 2010, P193-212
13. Hou, X. (2010) Wealth: Crucial but Not Sufficient. Evidence from Pakistan on Economic Growth, Child Labor, and Schooling. *Journal of Development Studies*. Vol 46, No (3) March, 2010
14. Hou, X. (2010) The Impact of Droughts on Food Consumption and the Mitigating Effects of a Conditional Cash Transfer Program – Evidence from Rural Mexico. *Economic Development and Cultural Change*, Vol 58, No(4), July, 2010

15. G. Liu, L. Li, X. Hou, J. Xu. D. Hyslop. (2009) The role of for-profit hospitals in medical expenditures: Evidence from aggregate data in China. *China Economic Review*, Vol 20, No(4), December, 2009: 625-633
16. Fernald L. X. Hou P. Gertler. (2008) Cash component of Conditional Cash Transfer Program Associated with Higher Adult BMI and Blood Pressure. *Journal of Nutrition*. Vol 138, No (11), 2008: 2250-2257
17. Hou X. Coyne, J (2008). The emergence of proprietary medical facilities in China, *Health Policy*, Vol 88, No(1) 2008: p141-151
18. Fernald LCH, Hou X, Gertler PJ. (2008). Oportunidades program participation and body mass index, blood pressure, and self-reported health in Mexican adults. *Preventing Chronic Diseases*, Vol 5, No(3), 2008.
19. Hou, X. (2008). Urban-Rural Disparity of Overweight, Hypertension, Undiagnosed Hypertension and Untreated Hypertension in China. *Asia-Pacific Journal of Public Health*. Vol 20, No(2), 2008:159-169,
20. Coyne, J. S., Hou, X., Short, R., Dong, Z., and Wu, Z. , (2002). Medical Costs and Utilization Trends in China: Implementing Market and Regulatory Reforms. *Clinical Research and Regulatory Affairs* Vol 19, No(4), 2002:341-350.

### **BOOK**

Hou, Xiaohui; Velenyi, Edit V; Yazbeck, Abdo S.; Iunes Roberto and Smith, Owen K. *Learning from Economic Downturns: How to Better Assess, Track, and Mitigate the Impact on the Health Sector*. The World Bank Press. July, 2013.

### **BOOK CHAPTERS**

Dulitzky, D. Hou, X “Health” in "fiscal policy and economic growth-lessons from Eastern Europe and Central Asia" , edited by C. Gray etc. 2007, the World Bank Group

Hou, X, Palacios, R. “Hospitalization patterns in RSBY: Preliminary evidence from the MIS”. in “India’s Health Insurance Scheme for the poor – Evidence from the Early Experience of the RSBY”, edited by R Palacios, J. Das and C. Sun. 2011.

### **REPORTS AND POLICY NOTES (led or co-authored)**

1. Improving Allocative Efficiency in Zimbabwe’s Health Sector: Results from the Health Interventions Prioritization Tool, 2021
2. Reforming the Basic Benefit Package in Armenia: Modeling Insights from the Health Interventions Prioritization Tool, 2021
3. Improving Allocative Efficiency of Magnetic Resonance Imaging Technology in Vietnam, 2020
4. Service delivery by health facilities in Papua New Guinea : report based on a countrywide health facility survey , 2021
5. Health Financing System Assessment in Papua New Guinea, 2018

6. Pacific Possible – Health, 2016
7. Turning Challenges into Opportunities: the Medium Term Health Expenditure Pressure Study in Timor Leste, 2016
8. Timor Leste Human Resources for Health Report – Findings from a Health Worker Survey, 2015
9. Stagnant stunting rate despite rapid economic growth in Papua New Guinea—factors correlated with malnutrition among children under five, 2015.
10. A Snapshot of Health Equity in Papua New Guinea: An analysis of the 2010 Household and Income Expenditure Survey (2015)
11. Can Social Health Insurance be successfully introduced and expanded in Papua New Guinea? 2015
12. Tobacco Consumption in Papua New Guinea, 2015
13. Financing the frontline: an analytical review of provincial administrations in Papua New Guinea's rural health expenditure 2006-2012 (with Alan Cains). 2015
14. Pacific Islands: Non-Communicable Disease Roadmap, 2014
15. Timor Leste Health Equity Report, 2013
16. Pakistan Safety Net Report, 2011
17. Poverty Scorecard for Pakistan: An Update Using the PSLM 2007–2008 Data, 2011
18. Empowering Women through BISP: The Effect of Women's Decision-Making Power on Reproductive Health Services Uptake in Pakistan, 2011
19. Women's Decision Making and Human Development in Pakistan -Applications for BISP. , 2011
20. Poverty Scorecard for Pakistan: A Recommended Approach for Targeting the Poor (2009)
21. Child Support Program Interim Assessment. 2009
22. Promote Social Protection in Health- What are the Options for Pakistan? August 2009,
23. Pakistan Climate Investment Report – Labor Market, 2009, World Bank Report
24. Implementation Completion Report: Moldova Health Investment Fund Project, 2007, World Bank Report

### ***Working Papers***

- Hou, X. B. Stewart, M. Tariverdi, E. Setyo, P. Harimurti, S. Nagpal, M. Gorgens, K. P. Garrett. Vulnerability Map for Response to the COVID-19 Epidemic: A Case Study on Indonesia (under review)
- Fraser-Hurt, N. , X.Hou et. al. Using allocative efficiency analysis to inform health benefits package design for progressing towards Universal Health Coverage: Proof-of-concept studies in countries seeking decision support (under review)
- Hou, X. YY Chen, et al. Country Case Studies: The Certificate of Need Policy for High-Value Medical Equipment (under review)
- Hou, X. I. Anderson. Et al. Strong Policies are needed to Curve Down the Economic Costs of Noncommunicable Diseases in the Pacific (under review)
- Hou, X. W. Han. From Macro to Micro: Challenges in Health Insurance Consolidation in China

### **TEACHING EXPERIENCE**

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| 2021 | Faculty for senior policy makers in Flagship Equity course in Health System |
| 2019 | Trainer for Governance in Health, World Bank, Washington DC                 |

2012 Faculty for senior policy makers in Flagship Equity course in Health System, ANHSS and WBI  
 2012 Visiting Professor (graduate level), Shanxi University of Finance and Economics, Shanxi, China  
 2012 Faculty /trainer. Senior Policy Course on “Frontier in Development”, World Bank Institute  
 2011 Training course coordinator on China Public Hospital Course, World Bank Institute  
 2011 Visiting Professor  
 Health System Analysis and Application of Impact Evaluation Methods (graduate level),  
 Southwestern University of Finance and Economics, Chengdu, China  
 2010 Independent Study Supervisor, Pardee RAND Graduate School  
 2005-2006 Instructor, intermediate microeconomics course (undergraduate level)  
 Department of Economics, UC Berkeley

### **FIELD WORK and SURVEY EXPERIENCE**

Led Papua New Guinea Health Facility Costing and Efficiency Survey  
 Led Timor Leste Health Worker and Health Facility Survey  
 Led Pakistan Benazir Income Support Program Rapid Assessment  
 Led Pakistan Child Support Program Impact Evaluation Survey (Panel Survey)  
 Led Pakistan Social and Standard Living Measurement Survey 2007-2008 Follow-up Survey (Panel survey)

### **REFEREE EXPERIENCE**

*Lancet, Social Science and Medicine, Contemporary Economic Policy, Health Policy, Health Policy and Planning, Health economics, Journal of Health Economics, Economic Development and Cultural Change, Asian Social Work and Policy Review, China Economic Policy, BMG Global Health, PLOS One*

### **EDITORIAL BOARD**

*China Health Review,*

### **COMPUTATION SKILL**

Superb in Stata, Knowledge about SAS, MATLAB

### **PROFESSIONAL AFFILIATION**

Member of International Health Economics Association, 2004-current  
 Member of American Economic Association, 2003- current  
 Member of International Society of Pharmacoeconomics and Outcome Research, 2002-2004, 2012  
 Board of Director, The Chinese Economist Society. 09/2004-09/2005  
 Grant Reviewer, Community Health Foundation Area Board, Spokane, WA, 08/2000-05/2002  
 Founding President, Berkeley China Public Health Development Student Group, 2002-2003  
 Member of American Academy of Medical Administration, 2000-2002  
 Member of American College of Healthcare Executive, 2000-2002

### **LANGUAGE**

Chinese, Native; English, Excellent; Spanish, Beginner