

Teaching Health Economics in China

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Team Member

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Background

- ▶ Increasing awareness of the need for efficiency in health care field in China
 - ▶ Escalating of health expenditures
 - ▶ Misuses of medical services
- ▶ Designing and teaching health economics courses is challenging, but imperative
 - ▶ Various understanding and training in health economics

Background

▶ Health Care System

- ▶ History: Socialism, government central planning
- ▶ Current: Public-owned hospitals (46%)*

▶ Education System

- ▶ Universities and schools
 - ▶ Medical schools (Universities)
- ▶ Level of economics and management disciplines
 - ▶ Social Medicine and Health Administration (SMHA)

*Data Sources: National Health and Family Planning Commission of the People's Republic of China

Schools and Specializations

The background of the slide is white with abstract, overlapping geometric shapes in various shades of blue (light blue, medium blue, and dark blue) on the right side, creating a modern, dynamic look.

Data Source

- ▶ Evaluation Report of Chinese Universities and specializations 2017
 - ▶ Chinese Scientific Evaluation Research Center
 - ▶ Evaluation Center of Chinese Education Quality (ECCEQ) at Wuhan University
 - ▶ URL : <http://www.nseac.com/>
- ▶ Official Websites of Universities

Sample Programs

- ▶ Social Medicine and Health Administration (SMHA)
- ▶ Postgraduate level
- ▶ Top ranking of 20 Medical Schools
- ▶ Top ranking of 20 Universities with SMHA specializations
- ▶ Final sample is 36 after excluding schools on both lists

Geographical Distribution



Schools on Top 20 Universities with SMHA

Name of Schools	Number
Public Administration	4
Public Health	11
Management	1
Health	1
Economics and Business Administration	1
Hospital Management	1
Medicine-Public Administration Research Center	1
Government Administration	1
Politics and Public Administration	1
Total	22

Schools with SMHA on Top 20 Medical Universities

Name of Schools	Count
SMHA	
Public health and Management	5
Public health and Tropical Medicine	1
Management	2
Economic and Management	1
Arts and Science	1
Arts and Management	1
Health Administration	1
Health Administration and education	1
Medical Affair	1
Air force Clinical Medicine	1
Psychology	1
Information Technology	1
Medicine of Shenzhen Peking University	1
Health Administration	
No.4 Clinical Medicine	1
No.1 Clinical Medicine	1
Public health	1
Traditional Chinese Medicine Health Administration	
Arts and Science	1

Course Design and Textbook

8/31/17

Health Economic Courses in SMHSM

Classification method	Name
Category	Major Elective Courses
	Major Required Courses
	Core Courses
Level	Introduction of Health Economics
	Medium Health Economics
	Advanced Health Economics
Special Topics	Health economics evaluation
	Pharmacoeconomics
	Health finance
	rRgional health economics
	Health economics and policy
	Health economics and management
Course of hours : ranging from 16-72 hours	

English and Chinese Textbooks

- ▶ Internet searching
 - ▶ Amazon.com, Baidu with keywords
 - ▶ Those are available in China both in English and Chinese (including translated version).
- ▶ Total: 23 textbooks
 - ▶ 5 English and Translated Version
 - ▶ 5 Ministry of Education designated textbooks
 - ▶ 4 Textbooks of cases

English and Translated Textbooks

Foreign language title	Author/Translator	Publication time	Press	Chinese Title
The Economics of Health and Health Care (Sixth edition)	Sherman Folland; Allen Miron Stano 王健 李顺平 孟庆跃 etc.	(2011/12/1)	China Renmin University Press	卫生经济学
The Economics of Health and Health Care (Fifth Edition)	Sherman Folland; Allen C.Goodman; Miron Stano 海闻 王健 于保荣	(2010/8/1)	China Renmin University Press	卫生经济学(第5版)
Methods for the Economic Evaluation of Health Care Programmes (Third Edition)	Drummond Michael F; Sculpher Mark J; Torrance George W; O'Brien Bernie J, Stoddart Greg L; 李士雪	(2008/6/1)	People 's Health Publishing House	卫生保健项目经济学评估方法(第3版)
Health Economics and Policy (Second Edition)	James W.Henderson 向运华 钟建威 季华璐 etc.	(2008/1/1)	People Post Press	健康经济学(第2版)
Health Economics: Theories, Insights, and Industry Studies	Rexford E.Santerre; Stephen P.Neun 程晓明 刘宝 田国栋	(2006/1/1)	Peking University Press	卫生经济学:理论案例和产业研究(第3版)

Part of the Chinese Textbooks

Foreign language title	Author/Translator	Version / publication time	Press	Chinese Title
Modern Health Economics	Hongzhong Qiu	First edition (2014/8/1)	Guangdong Higher Education Press	现代卫生经济学
Health Economics	Jingyu Yang , Guowu Ding , Xuemei Han	3rd edition (2014/6/1)	Lanzhou University Press	卫生经济学(第3版)
Health Economics	Lvlin Zhou	First edition (2014/5/1)	Jiangsu University Press	卫生经济学
Selected Topics in Health Economics	Wei Yu	First edition (2013/9/1)	Fudan University press	卫生经济学专题研究
Health Economics	Qingyue Meng	First edition (2013/9/1)	Renmin University press	高等医学院校卫生事业管理专业教材：卫生经济学
Health Economics	Jingyu Yang	2nd edition (2009/2/1)	Lanzhou University Press	卫生经济学(第2版)

Course Content

Textbooks	Specialization Requirement	Content	
Chinese Edition	No limitation(<i>Domestic</i>)	Health service demand and supply	
		Health service market	
		Health financing	
		Total health expenditure	
		Health resource allocation	
		Health insurance and market	
		Health service price and management	
		Disease economic burden analysis	
		Health economy analysis and evaluation	
	Analysis of Health Economic Policy		
			Add the following based on the above directory
	Health Administration	Health Human Resources Market	
		Health services market government intervention	
		Health and harmful behavior of health economics	
Universal health coverage			
Preventive Medicine	Advice on health reform teaching		
	Econometric methods and applications		
	Health Financial Management and Financial Analysis		
English and Translated Edition	No limitation(<i>Foreign</i>)	State-owned Assets Management and Capital Operation in Health Institutions	
		Educate readers about economics	
		Econometrics analysis tools	
		Use tools to address the current health care problems	

Instructors Background

▶ With Domestic Trainings

- ▶ Ph.D. or M.S. in medicine or public health
- ▶ More likely taught in medical schools

▶ With Overseas training

- ▶ Ph.D. degree in Economics
- ▶ More likely in general universities
- ▶ Younger compared to those with domestic training

Summary

- ▶ Health economics is taught in all top universities with SMHA and some medical schools
- ▶ Various content with different specializations
- ▶ Chinese textbooks is lack of theoretical and analytical tools
 - ▶ Descriptive vs. analytic
 - ▶ Few contents related to public health economics

Discussion

- ▶ **Redefine Health Economics**
 - ▶ Health, Health care, Medical care, Medical delivery system, Medical care planning and regulation
- ▶ Encourage students to develop analytical skills
- ▶ Require Instructors and Textbooks with Multi-discipline Knowledge
 - ▶ Integrate government and market theories that fit the current economic and society development in China and global health systems

Thank you!

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