

Key Lab of Health Technology Assessment, National Health Commission (Fudan University)

WHO Collaborating Centre for Health Technology Assessment and Management



NEWSLETTER

December 2022 / Issue 4



HIGHLIGHTS

- The 15th China Health Technology Assessment Forum was held in Shanghai.
- The Meeting of Academic Committee of the Key Lab of Health Technology Assessment, National Health Commission (Fudan University) was Held in Shanghai.
- The National Continuing Medical Education Course “Health Technology Assessment Capacity Enhancement Project: Theory and Practice” was concluded online.

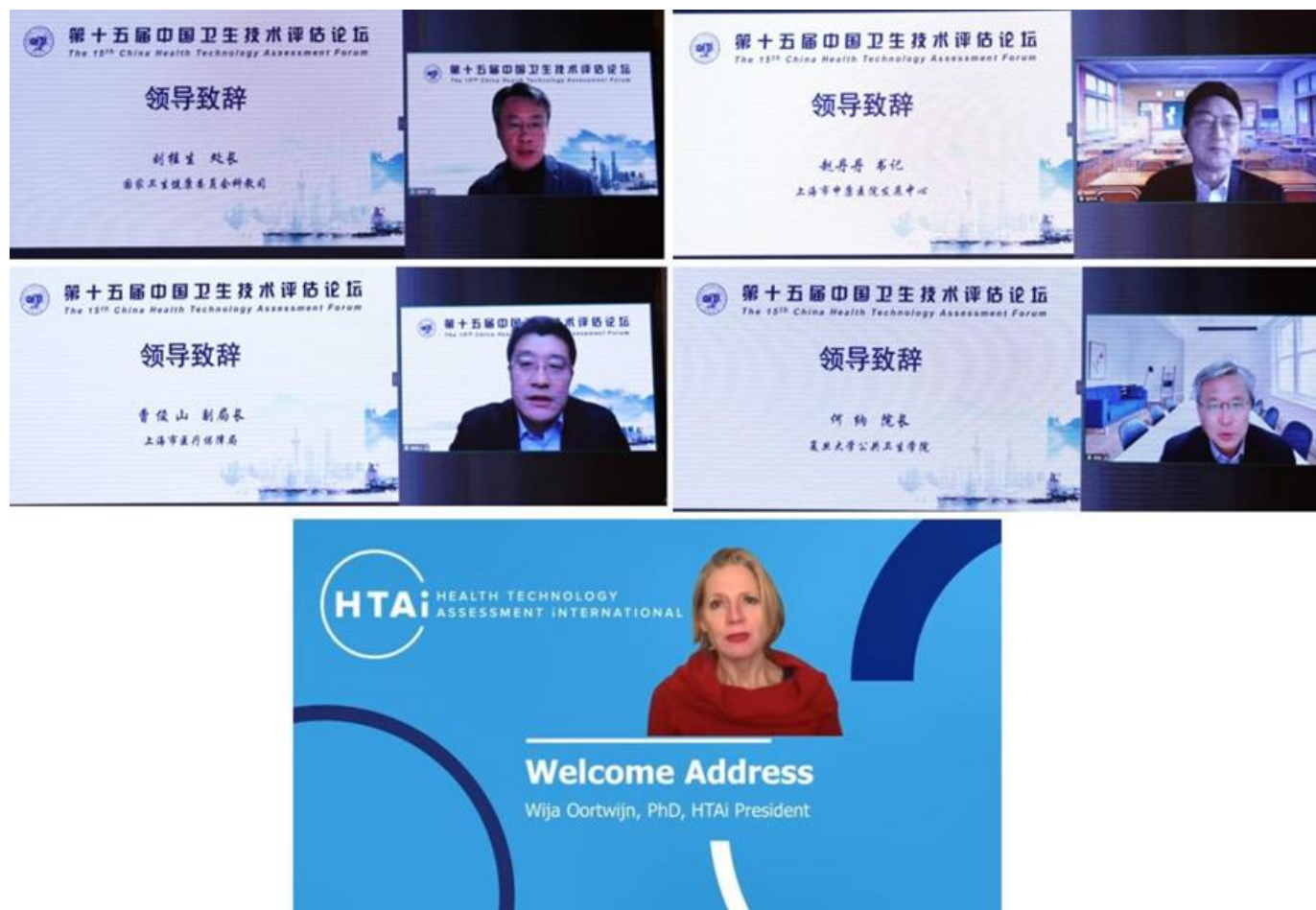
Innovative Methods and Decision-making Practices: The 15th China Health Technology Assessment Forum was held in Shanghai



From December 9 to 11, 2022, the 15th China Health Technology Assessment Forum was successfully held in Shanghai, co-hosted by the Key Lab of Health Technology Assessment, National Health Commission (Fudan University) / WHOCC (hereinafter "KLHTA") With the theme of "Innovative Methods and Decision-making Practice", this forum centered on the core areas and frontiers of health technology assessment (HTA) as well as practical applications in decision-making and other pertinent concerns. Some participants from government agencies, universities, research institutes, and pharmaceutical businesses in relevant sectors attended the event in person, while more than 10,00 people participated in the online live broadcast.

At the opening ceremony, Officers from National Health Commission, Shanghai Hospital Development Center, Shanghai Medical Security Bureau and Dean of the School of Public Health of Fudan University, President of the Health Technology Assessment International (HTAi) Oortwijn Wija also delivered opening addresses, expounded the prominent role of HTA in accelerating the construction of Healthy China, high-quality development of medical service system, supporting clinical decision-making, access to innovative technologies, pricing and regulation, dynamic adjustment of the national reimbursement drug list, payment reform, etc. In addition, they reaffirmed the vital role played by the KLHTA in advancing the

development of HTA in China and facilitating evidence-based decision-making, and they anticipated the sharing and dissemination of research findings at this conference.



Policy Needs: Serving the Health of Chinese Population

The theme of the first plenary session was “The Demand for Health Technology Assessment Development in China”. Shuqiang Xu, director of the Department of System Reform of the National Health Commission, pointed out that HTA is an important tool to deepen the reform of the medical and healthcare sectors and is of great significance to further improve the medical and healthcare service in China; in addition, he also emphasized that compared to developed countries, China's HTA work started late and needs to ameliorate the normalized operation mechanism. Yongfeng Zhu, deputy director of the Hainan medical reform office, gave a detailed introduction on applying real-world data to achieve value-based purchasing, and explored for promoting HTA in the application of medical insurance practice by using Hainan's real-world data. Prof. Guoen Liu, director of the Peking University School Institute for Global Health and Development, elaborated on the relationship between human life and health from the perspective of macroeconomics, and emphasized that throughout the history of human development, in addition to infectious diseases, chronic diseases and other disease risk factors, poverty is also one of the most important factors limiting the long-term development of human life and health. Experts' speeches

unanimously agreed that HTA has brought inspiration to the development of China's medical and healthcare policies, and the application of HTA has incalculable prospects.



Pathway of Health Technology Assessment Development: Long and Arduous

The theme of the second plenary session was “The Challenges for health technology assessment development in China”. Prof. Kun Zhao, Director of the National Center for Medicine and Health Technology Assessment, gave a presentation on the development and challenges of HTA in China. She believed that HTA had made remarkable development in China since its introduction by Prof. Jie Chen of Fudan University in the 1980s, but there were still many challenges in HTA capacity building, assessment methodology and criteria. Prof. Jianwei Xuan, Director of the Institute of Pharmaceutical Economics, School of Pharmacy of Sun Yat-sen University, gave an excellent presentation on the importance of comprehensive value assessment in the formulation of the national reimbursement drug list, and how to further improve the process of value-based assessment of innovative drugs. Zhaohui Wu, Vice President of the China Medicinal Biotechnology Association, elaborated the mission and efforts of HTA from the perspective of non-profit social entity organization, and introduced the whole procedure of stakeholder participation in HTA with the process of establishing ethical guidelines for stem cell sources as an example. Prof. Yingyao Chen, Director of KLHTA, elaborated on the new direction of HTA development in China, pointing out that deliberation as an important part of the international HTA process, would provide new thoughts for HTA development in China, so does patient-participation.



Standardization and Transparency: The Requirement of Health Economic Evaluations

The third plenary session was organized as case discussion. The title of this session was "The Reporting Quality of Health Economic Evaluations". Prof. JiuHong Wu, deputy director of the Committee of Pharmacoeconomics of Chinese Pharmaceutical Association, was the moderator of discussion on this topic. Dr. Yan Wei, Young Associate Research Fellow at the School of Public Health, Fudan University, gave a guiding speech on the reporting quality of health economic evaluations in China. Seven stakeholders, including scholars from universities, research institutions and hospitals, as well as editors of peer-reviewed journals, had in-depth open discussions on how to conduct quality assessment of health economic evaluations in a more scientific and rational manner, and how to evaluate the methodological quality and the decision applicability of economic research evidence. The participating experts and scholars expressed their views and further clarified the value and importance of high-quality health economic evaluations, while pointing out that the reporting quality was influenced by multiple factors, such as the source of raw data, data quality, and vocational competence of researchers, etc. They also proposed the importance of building a basic database platform for health economic evaluations, developing quality assessment tools combining quantitative and qualitative aspects, and strengthening the training of health economics evaluation research, so as to conduct a more standard and transparent health economic evaluations.



Following plenary sessions, there were a variety of presentations, including 12 panel discussions, 4 oral presentations, and poster displays, etc. Experts and scholars from around the globe, heads of government agencies, and professionals discussed the frontier hotspots and experience of theory, methods, and applications of HTA in China, as well as shared and harmonized works on the sustainable development of HTA. The winners of the poster and oral presentations were also selected and awarded by professors from KLHTA at the closing ceremony.



This forum focused on the demands and challenges of HTA development in China, as well as the hot topics of practical application and future outlook, and conducted a lively discussion and exploration on the innovative concepts and methods of current HTA, and how to apply HTA more fully and with higher quality in decision-making practice, so as to support the rapid development of medicine and healthcare with Chinese characteristics. The forum drew widespread attention and involvement from peers in the field, fostering the sharing and dissemination of HTA and its implementation in China.

As the first HTA institution in China, the KLHTA has been committed to the application and promotion of HTA for more than 20 years and has performed diverse activities including education and training, scientific research, and information sharing. The KLHTA will actively dovetail with the major development needs of the country and the industry, support the conversion of health technology assessment research into policy and become a nationally and internationally known professional think tank and regional cooperation platform for China's health technology assessment research and the distribution of information.

The Meeting of Academic Committee of the Key Lab of Health Technology Assessment, National Health Commission (Fudan University) was Held in Shanghai



The meeting of the Academic Committee of the Key Lab of Health Technology Assessment, National Health Commission (hereafter "KLHTA") was held successfully in Shanghai on December 9, 2022. Prof. Qingyue Meng, Dr. Baorong Yu, Dr. Xuejin Zuo, Prof. Qiang Sun, Prof. Liang Zhang, Dr. Chaoyang Zhang, Prof. Wen Chen, Prof. Naiqing Zhao, Prof. Zhi Hu, Dr. Wei Yu, Prof. Hengjin Dong were invited to attend the meeting. Dr. Hong Lu, Deputy Director of the Research Division of Shanghai Medical College of Fudan University, Prof. Na He Dean of the School of Public Health of Fudan University, Prof. Li Luo, Secretary of the School of Public Health of Fudan University, Prof. Yingyao Chen, Director of the KLHTA, Prof. Di Xue, Prof. Haidong Kan, Prof. Xu Qian, Prof. Xiaohua Ying, Deputy Directors of the KLHTA, and key staffs of the KLHTA also participated this meeting.

The discussion was presided by Prof. Qingyue Meng, Dean of the School of Public Health of Peking University and Deputy Director of the Academic Committee of the KLHTA. At the beginning of the meeting, Dr. Hong Lu and Prof. Na He expressed their gratitude to the members of the Academic Committee for their long-term support and advice on the construction and development of the KLHTA, expecting that the KLHTA, under the guidance of the Academic Committee, would further concentrate on the most important strategic development needs of the Chinese population and boost capacity building by benchmarking global Health Technology Assessment (hereinafter "HTA") institutes.



Prof. Yingyao Chen reported on the works of the KLHTA during the 13th Five-Year Plan period, highlighting the accomplishments and deficiencies in three areas: laboratory status, representational accomplishments, and talent team formation. During this period, the China Health Technology Assessment Forums, the MOOC Health Technology Assessment courses and the continuing medical education courses were performed effectively and generated significant interest and enrollment. Faculty

and students of KLHTA also avidly engaged in worldwide HTA conferences. Especially in 2022, the KLHTA was re-designated as the WHO Collaborating Center for Health Technology Assessment and Management, undertaking work on health technology assessment and policy translation guidance in the Western Pacific Region. He also mentioned an initial plan of KLHTA's priority directions for the duration of the 14th Five-Year Plan.



The committee acknowledged the KLHTA's works during the 13th Five-Year Plan period, and emphasized that the development of HTA should be in line with international trends, and that it is vital to grasp the mainstream of professional development while simultaneously focusing on inter-disciplinary fields. In addition, they recommended that the KLHTA should further refine the research directions and characteristics based on the strategy of "Healthy China", combine academic research with practical applications, focus on planning representative results; strengthen the multidisciplinary cooperation of the KLHTA in the construction of high-level public health colleges and high-end think tanks; and promote the long-term development of China's HTA and KLHTA by focusing on international and domestic health practices. The Deputy Directors of the KLHTA also offered their opinions on the development plan for the 14th Five-Year Plan period.

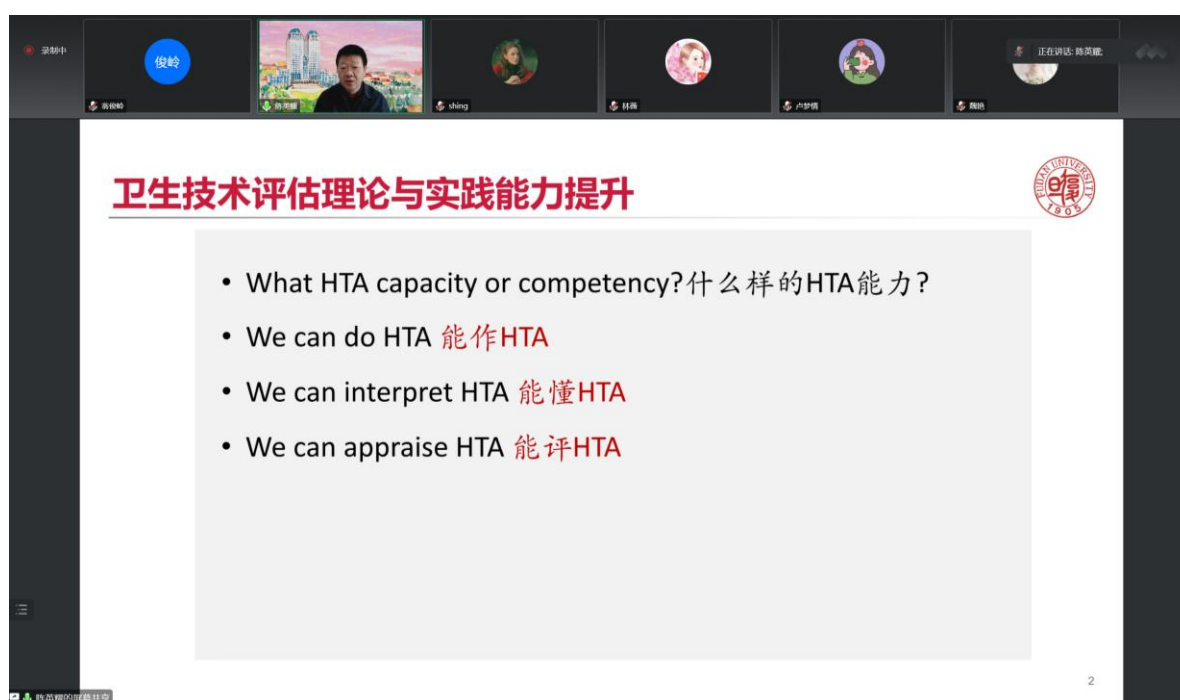
Finally, Prof. Yingyao Chen thanked the experts for their suggestions and affirmative disclosure that the KLHTA will continue to integrate the professional strengths at home and abroad, actively respond to the major health demands of the Chinese population, fully exploit the characteristics and advantages of the

KLHTA in the field of health technology assessment, and strive to excel during the 14th Five-Year Plan period.

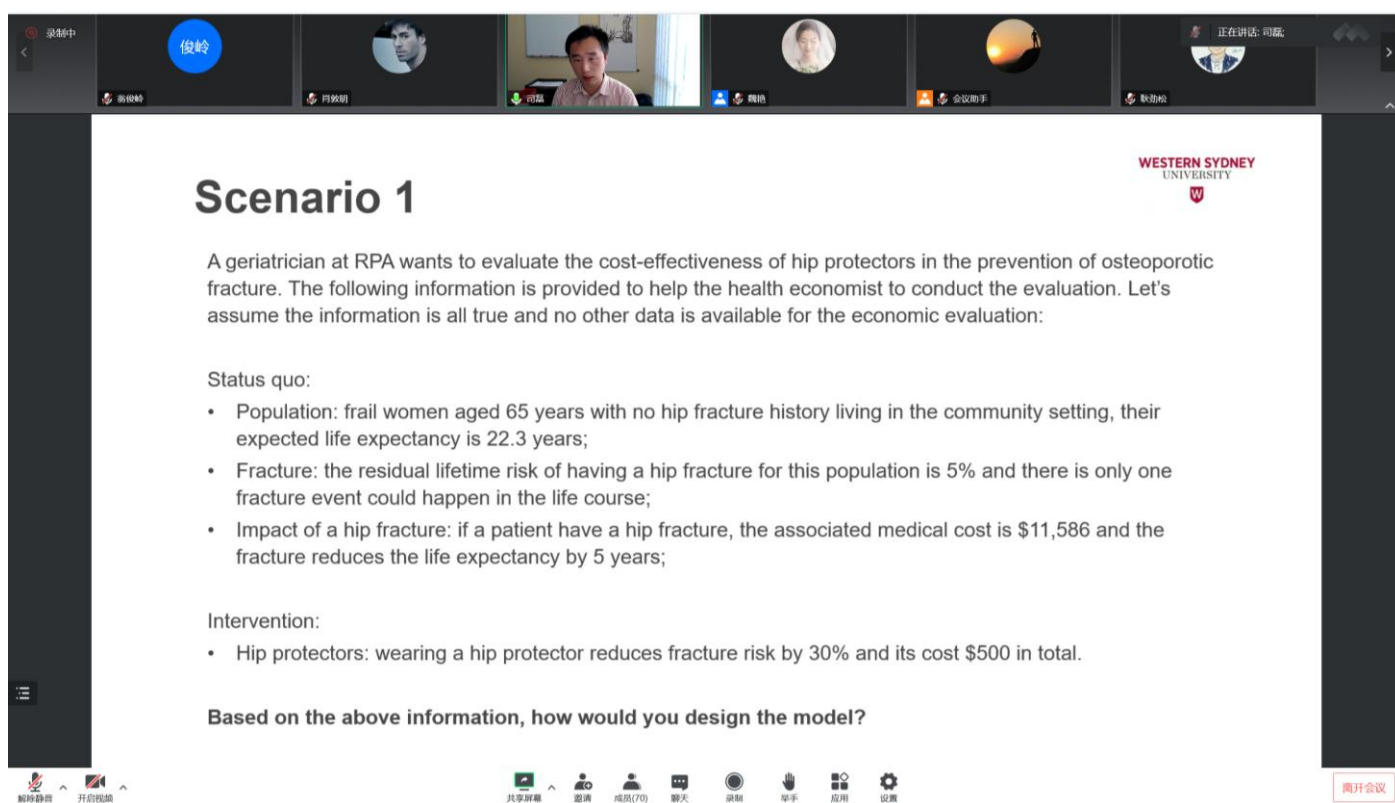
•The National Continuing Medical Education Course “Health Technology Assessment Capacity Enhancement Project: Theory and Practice” was concluded online

The Key Lab of Health Technology Assessment, National Health Commission (Fudan University) / WHOCC (hereinafter “KLHTA”) successfully held the National Continuing Medical Education Course “Health Technology Assessment Capacity Enhancement Project: Theory and Practice” (2022-15-02-304 (National)). The online training course comprised a total of 30 hours and 10 credits.

The course was structured into three modules and closely matched with the present demand for Health Technology Assessment (hereinafter “HTA”): cutting-edge vision of HTA, fundamental theories and methodologies, and HTA practice and capacity enhancement. More than 20 domestic and international experts in HTA and health economics delivered lectures, combining online courses and face-to-face teaching methods to improve learning efficiency, embedding a large number of HTA examples to promote the assimilation of theoretical knowledge, sharing the methodologies to improve participants' practical skills, and designing interactive participation sessions for teachers and students to simulate the HTA review process.



In addition, KLHTA had developed a corresponding textbook for this course, with over 480,000 words, which covers new advances and trends in HTA, detect HTA issues, methods and quality evaluation for integrating evidence of HTA effectiveness and safety, socio-ethical impact assessment of health technologies, retrieval of information resources for HTA, high-quality patient preference evidence and case applications, real-world evidence (RWE) in HTA, methods and challenges of RWE, methods of health economics evaluation, methods and applications of budget impact analysis, Markov Model construction and case applications, Partitioned Survival Model construction and case application, network meta-analysis and case application, HTA: screening, HTA: oncology drugs, HTA and multi-criteria decision analysis (MCDA), selection of decision models, HTA: traditional Chinese medicine, contributing to the information dissemination of HTA in China.



Scenario 1

A geriatrician at RPA wants to evaluate the cost-effectiveness of hip protectors in the prevention of osteoporotic fracture. The following information is provided to help the health economist to conduct the evaluation. Let's assume the information is all true and no other data is available for the economic evaluation:

Status quo:

- Population: frail women aged 65 years with no hip fracture history living in the community setting, their expected life expectancy is 22.3 years;
- Fracture: the residual lifetime risk of having a hip fracture for this population is 5% and there is only one fracture event could happen in the life course;
- Impact of a hip fracture: if a patient have a hip fracture, the associated medical cost is \$11,586 and the fracture reduces the life expectancy by 5 years;

Intervention:

- Hip protectors: wearing a hip protector reduces fracture risk by 30% and its cost \$500 in total.

Based on the above information, how would you design the model?

60 participants from 38 units around China attended the course, including government departments, medical institutions, universities, research institutes, and pharmaceutical and medical device enterprises. Throughout the five days of intensive and productive training, each participant completed 18 lectures and 2 simulated case discussions. The post-course feedback revealed that the majority of participants were satisfied with the continuing medical education program, which not only extended their perspectives but also raised their theoretical level and scientific work capacity in HTA.

KLHTA has been carrying out multiple functions of HTA training and education, scientific research, information dissemination, and achievements transformation since its inception, and is committed to promoting the construction of China's HTA talent team and the improvement of assessment capabilities, enhancing the function and role of HTA in supporting healthcare decision-making, and fostering the high-

quality development of HTA. The completion of the course bolstered KLHTA's ability to fulfill its crucial function and provide its requisite contribution in HTA staff training, societal service, and decision-making support.



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WHO Collaborating Centre for Health
Technology Assessment and Management

July 2022 / Issue 4
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