Supplemental Table S1. HB-HTA institutes in China

Province/Municipality directly under the Central Government/autonomous region (*Ref.*)	Hospitals	Number
Guangdong Province (*29,42,43*)	Guangzhou Women and Children's Medical Center; Nanfang Hospital of Southern Medical University; Huazhong University of Science and Technology Union Shenzhen Hospital (Nanshan Hospital); Shenzhen Luohu Hospital Group Luohu People's Hospital; Shenzhen People's Hospital; The Second People's Hospital of Shenzhen; Peking University Shenzhen Hospital; The Seventh Affiliated Hospital, Sun Yat-sen University; Cancer Hospital Chinese Academy of Medical Sciences, Shenzhen Center	Nine
Beijing (*29,39,44,45,46*)	China-Japan Friendship Hospital; Beijing Chao-Yang Hospital, Capital Medical University; Peking University Cancer Hospital; Aviation General Hospital of China Medical University; Beijing Obstetrics and Gynecology Hospital, Capital Medical University; Peking University Third Hospital; Xuanwu Hospital Capital Medical University	Seven
Shanghai (*29, 42,47,48*)	Shanghai Sixth People's Hospital affiliated to Shanghai Jiao Tong University School of Medicine; The International Peace Maternity & Child Health Hospital of China welfare institute; Yangpu District Central Hospital, Tongji University; Tongji Hospital of Tongji University	Four
Jiangsu Province (*38,49,50*)	Wuxi Woman and Enfants Care Hospital; Jiangsu Province Hospital; Jiangsu Cancer Hospital	Three
Zhejiang Province (*36,51*)	The Children's Hospital, Zhejiang University School of Medicine; Lishui Qingtian County Hospital of Traditional Chinese Medicine	Two
Anhui Province (52,53)	Maanshan Shiqiye Hospital; The First Affiliated Hospital of University of Science and Technology of China	Two
Tianjin (*29*)	Tianjin People's Hospital	One
Jilin Province (*29*)	The First Hospital of Jilin University	One
Shandong Province (*29*)	Qilu Hospital of Shandong University	One
Sichuan Province (*29*)	West China Hospital of Sichuan University	One
Inner Mongolia Autonomous Region (*29*)	Inner Mongolia People's Hospital	One
Hubei Province (*29*)	Taihe Hospital (Affiliated hospital of Hubei University of Medicine)	One
Hunan Province (*29*)	The Second Xiangya Hospital of Central South University	One
Hebei Province (*40*)	Hebei General Hospital	One
Gansu Province (*41*)	Gansu Provincial Hospital	One
Chongqing (*54*)	Xinqiao Hospital of Army Medical University	One

Table 2. Typical examples of HB-HTA application to the field of medical devices in China

Lead author (year)	Site	Scenario for application	What is assessed	Assessment tool	Assessment dimension
Yang H (*37*), Tang M (*61*), Luo L (*62*) (2018–2019)	Shanghai	Admission and usage management	Medical consumables （dressings, materials for the repair of peripheral nerve defects）	Mini-HTA, template of the HB-HTA pilot project of the National Medical Management Center.	Qualification, clinical significance, price, estimated quantity purchased, medical evidence (safety and effectiveness), economic evidence (cost-effectiveness), hospital costs, patient burden and costs of health insurance
Fei M （*38*) (2020)	Jiangsu Province	Admission management	Medical consumables	HTA evaluation list devised by the hospital	Technical, patient, hospital and economic level
Shu YY (*51*) (2021)	Zhejiang Province	Admission management	Medical consumables	Not yet stated	Supplier qualifications, market share, product quality, product price
Hua T (*36*) (2022)	Zhejiang Province	Admission management	High-value medical consumables	According to a comprehensive assessment of high-value medical consumables devised by the hospital	Cost, value, benefit, ethics of health technology
Wan YZ (*47*) (2016)	Shanghai	Admission management	Medical devices (intermittent pneumatic compression)	The HTA Assessment Checklist of the International Network of Health Technology Assessment Agencies (2007)	Technical characteristics, clinical safety, clinical adaptability, clinical effectiveness, economic characteristics, social and ethical adaptability
Zhao ZZ (*39*) (2018)	Beijing	Admission management	Medical devices (doppler ultrasonic diagnosis apparatus)	Mini-HTA	Technical level, patient level, hospital level, economic level
Qiu XH (*58*) (2019)	Sichuan Province	Admission management	Medical devices (anti-magnetic anesthesia machines)	Mini-HTA	Technical level, patient level, organizational level, economic level
Yang K (*48*) (2019)	Shanghai	Usage management	Medical devices(CT)	Not yet stated	Technical level, patient level, hospital level, economic level
Gu YT (*44*) (2020)	Beijing	Admission management	Medical devices (robots for intravenous drugs allocation)	Mini-HTA	Technical level, patient level, hospital level, economic benefit level
Jiang YB (*52*) (2020)	Anhui Province	Usage management	Valuable medical devices (MRI machines, mammography target machines, electronic gastroscopes, doppler ultrasonic diagnosis apparatus and high-frequency thermotherapy ablation machine)	A comprehensive assessment system for medical devices devised by the hospital	Technical status, economic benefit, social benefit, scientific research benefit, rational allocation
Chai Yang (*53*) (2021)	Anhui Province	Admission management	Medical devices (temperature-maintaining devices during the perioperative period)	Mini-HTA (the MCDA method was used to conduct the assessment of Mini-HTA)	Clinical impact, performance, brand impact, economics, after-sales support
Xiang Q (*42*) (2021)	Guangzhou	Admission management	Medical devices	Not yet stated	Assessment of business needs, technical assessment, economic assessment

Zhang H (*63*) (2021)	Inner Mongolia Autonomous Region	Admission management	Medical devices (intra-aortic balloon counterpulsation pumps, choledochoscopy systems, and other devices over 500,000RMB)	Mini-HTA assessment and Value Analysis Committee value analysis assessment; a project assessment model	Technology assessment, benefit assessment, safety assessment, additional factor assessment
Zhu DD (*64*) (2021)	Inner Mongolia Autonomous Region	Admission management	Clinical trials on medical devices	Mini-HTA list and hospital practices	Hospital evaluation, instrument evaluation, patient evaluation, institutional evaluation, economic evaluation
Yan HF (*65*) (2022)	Beijing	Admission management	Medical devices (CT)	The hospital's assessment system	Suitability, technology, economics, safety and sociality
Cao XM (*66*) (2022)	Beijing	Admission management	Medical devices (compound thermal and cold ablation system)	Mini-HTA	Technical characteristics, safety, effectiveness, economics, innovation, social and ethical implications