

# HTA Training Agenda

TIME	AGENDA	KEY CONTENTS	APPROACH	INVITED FACULTY
<b>Day 1 (7 Jan 2020)</b>				
<b>9:00am – 10:00am</b>	1. Introduction to HTA & identifying (the right) topics for HTA	<ul style="list-style-type: none"> <li>- HTA definition and justifications</li> <li>- Applying HTA into policy and practice</li> <li>- Good practices in getting the right topic for HTA</li> <li>- Course at a glance</li> </ul>	45 mins of lecture with 15 mins of Q&A	Wanrudee Isaranuwachai (HITAP)
<b>10:00am – 10:30am</b>	2. Selecting the right approach for HTA	<ul style="list-style-type: none"> <li>- Translating policy questions to research questions including 'PICO' approach</li> <li>- Selecting the right methodological approach to address policy relevant research questions</li> </ul>	20 mins of lecture with 10 mins of Q&A	Wee Hwee Lin (NUS)
<b>10:30am – 11:00am</b>	<i>Tea Break</i>			
<b>11:00am – 12:00pm</b>	3. Health economic evaluation and its decision rule	<ul style="list-style-type: none"> <li>- Different types of health economic evaluations, including pros and cons</li> <li>- Need for incremental analysis, i.e. ICER</li> <li>- Decision rules (league table and threshold approaches) and cost-effectiveness threshold</li> </ul>	45 mins of lecture with 15 mins of Q&A	Yot Teerawattananon (HITAP/NUS)  Ryota Nakamura (HU, 10min on threshold)
<b>12:00pm – 12:30pm</b>	4. Approach and data requirement in economic evaluation	<ul style="list-style-type: none"> <li>- Types of economic evaluation studies</li> <li>- Overview data requirements and potential data sources</li> </ul>	20 mins of lecture with 10 mins of Q&A	Wanrudee Isaranuwachai (HITAP)
<b>12:30pm – 1:30pm</b>	<i>Lunch Break</i>			
<b>1:30pm – 2:15pm</b>	5. Evidence synthesis	<ul style="list-style-type: none"> <li>- Need for evidence synthesis</li> <li>- Methodological issues in conducting systematic review and meta-analysis</li> <li>- Good practice, e.g. PRISMA</li> </ul>	30 mins of lecture with 15 mins of Q&A	Anne Julienne Genuino (DoH)

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		- Pros and cons of using synthesised evidence		
<b>2:15pm – 3:00pm</b>	6. Costing intervention	- Different types of cost information - How to conduct costing studies, e.g. identification, measuring and valuation - Good practice in costing, e.g. GHCC reference case	30 mins of lecture with 15 mins of Q&A	Dana Bayani
<b>3:00pm – 3:30pm</b>	<i>Tea Break</i>			
<b>3:30pm – 4:15pm</b>	7. Outcome measures	- Different types of clinical/health outcomes, e.g. immediate, intermediate and long-term outcomes - Health measures, e.g. DALY, QALY - Challenges in measuring and using health utility measures, including common pitfalls - Good practice, e.g. ISPOR good practice for outcome research	30 mins of lecture with 15 mins of Q&A	Luo Nan (NUS)
<b>4:15pm – 5:00pm</b>	8. QALY estimation	- Using EQ5D to elicit health state preferences in case scenarios using (comparing) Singapore and Philippines value sets	45 mins of group exercise	Luo Nan and Teaching assistants
<b>Day 2 (8 Jan 2020)</b>				
<b>8:45am – 9:15am</b>	9. Review and summarise concepts from day1		30 mins	Yot Teerawattananon (HITAP/NUS)
<b>9:15am – 9:45am</b>	10. Model-based health economic evaluation	- Need for modeling - Different types of modeling techniques, e.g. decision tree, markov model, dynamic modeling - Good practice e.g. Modeling good research practice of ISPOR	20 mins of lecture with 10 mins of Q&A	Wee Hwee Lin (NUS)

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9:45am – 12:15pm	11. Modeling exercise & coffee break	- Simple decision tree and markov modeling	Individual, computer-based exercise	Teaching assistants Lead: Billy Wang and Lou Jing (NUS)
12:15pm – 1:00pm	12. Budget impact analysis	- Need for and how to conduct budget impact analysis - Good practices, e.g. ISPOR budget impact analysis good practices	30 mins of lecture with 15 mins of Q&A	Waranya Rattanavipapong (HITAP)
1:00pm – 2:00pm	<i>Lunch Break</i>			
2:00pm – 2:45pm	13. Social and ethical consideration in HTA	- Ethical issues in health resource allocation, e.g. utilitarianism, egalitarianism, theory of justices, A4R - How to consider social and ethical dimensions in HTA	30 mins of lecture with 15 mins of Q&A	Tessa Tan Torres (WHO)
2:45pm – 3:30pm	14. Critical appraisal of HTA	- Challenges in conducting HTA for public health interventions - Challenges in using HTA to inform the investment and disinvestment of public health interventions	30 mins of lecture with 15 mins of Q&A	Ahn Jeonghoon (Ewha U)
3:30pm – 4:00pm	<i>Tea Break</i>			
4:00pm – 5:00pm	15. HTA case studies across settings	- Designing a study to answer a policy question in a case study.	60 mins of group exercise	Wee Hwee Lin (NUS) Waranya Rattanavipapong (HITAP)
5:00pm – 5:30pm	16. Wrapping up	- Q&A	30 mins of open discussion	Yot Teerawattananon (HITAP/NUS)