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| **Week** | **Theme** | **Lecture (45 mins - 1hr)** | **Lecturer lead** | **Practical** | **Live session** |
| 1  | Trends and developments in HTA  | Introduction to the module.Mapping out the history and current landscape of HTA across the globe. Presentations on HTA in various countries *[Brazil, China, Hong Kong, Iran, Italy, Kazakhstan, Spain, Thailand, UK].* | Eleanor Grieve, Research Associate, HEHTA*Case studies:*Giorgio Ciminata, HEHTA Dr Manuela Deidda, HETHA Dr Kamila Gaitova, Republican center for health development, KazakhstanDr Lyazzat Kosherbayeva, Kazakh National Medical University Dr Mohsen Rezaeihemami, HEHTADr Bruno Salgado Riveros, Federal University of Parana, BrazilDr Jose Antonio Robles-Zurita, HEHTADr Yot Teerawattananon, Chalarntorn Yothasmut and all at HITAP, ThailandDr Carlos Wong, University of Hong KongDr Yue Xiao, CNHDRC, China | Discussion board reflections. Please post your expectations of the course; your experience of HTA in different contexts. Reading list. |  |
| 2  | Healthcare systems: financing, priority setting and Universal Health Coverage (UHC) | The main financing models of healthcare as a platform for HTA.Universal Health Coverage and priority setting. | Francis Ruiz, Senior Adviser for the Global Health and Development Group, Imperial College London Eleanor Grieve, Research Associate, HEHTA | Health systems: briefly discuss the healthcare system and financing model of a country of your choice, its progress towards achieving UHC and the role of HTA. | Live session  |
| 3 | **CHO**osing **I**nterventions that are **C**ost-**E**ffective (CHOICE) | WHO CHOICE and Generalised cost-effectiveness.Disability Adjusted Life Years (DALYs)Reference Cases. | Eleanor Grieve, Research Associate, HEHTA | Consider the HTA decision for a particular technology in two jurisdictions. Critically discuss factors contributing to any differences in recommendations. | Live session  |
| 4  | Assessing Evidence  | Review of evidence tools; addressing evidence gaps in Low- and Middle Income Countries (LMICs). | Robert Heggie, Research Assistant, HEHTA | Read *Cost-effectiveness of medical interventions to prevent cardiovascular disease in a sub-Saharan African country – the case of Tanzania* (Robberstand et al, 2007) and undertake survey. |  |
| 5  | Country level cost-effectiveness thresholds | Estimating cost-effectiveness thresholds. Alternative approaches to thresholds in HTA with case studies on:*- Norway and differential thresholds**- Germany and the efficiency frontier.* | Dr Claudia Geue, Lecturer, HEHTAEleanor Grieve, Research Associate HEHTA | Read the full report of the first HTA evaluation to be carried out by IQWiG in Germany and critique how well you think the efficiency frontier approach works. |  |
|  | Reading Week |
| 6  | From cost-effectiveness to budget impact | Budget impact analysis *-Australia, New Zealand and UK case study*Costing; WHO One Health Tool | Dr Paula Lorgelly, Associate Professor Deputy Director, Office of Health EconomicsEleanor Grieve, Research Associate HEHTA | Consider a high value / high cost drug and discuss the budget impact and affordability measures in one or more countries. |  |
| 7 | Pricing | Value-based, differential and reference pricing including orphan drugsRisk sharing agreements*-Taiwan case study* | Dr Jasmine Pwu, Ministry of Health and Welfare, Taiwan.Eleanor Grieve, Research Associate HEHTA | Case study on the appraisal of Keytruda drug by Pharmac, New Zealand. |  |
| 8 | Going beyond health - incorporating other elements of social value (eg, equity) | Extended cost-effectiveness analysis (ECEA); distributional cost-effectiveness analysis (DCEA). Cost-benefit analysis (CBA) for multi-sector outcomes / One Health | Dr Andrew Mirelman, Research Fellow, University of York and Visiting Fellow, Center for Global DevelopmentDr Liu Zhaoyang, Lecturer in One Health and Environmental Economics | An exercise on how to incorporate equity and multi-sector outcomes using an example of a current research project. |  |
| 9 | Priority setting - choosing and weighting different social dimensions | Value Assessment Frameworks (USA)Multiple-criteria decision analysis; program budgeting and marginal analysis. *-Thailand case study*Stakeholder engagement. | HEHTA colleaguesEleanor Grieve, Research Associate HEHTADrs Benjarin Santatiwongchai and Saudamini Dabak, HITAP, Thailand | Short opinion piece on the various methods discussed as used in HTA: GCEA, ECEA, DCEA, CBA and MCDA.  |  |
| 10 | Implementation and impact of HTA | Constraints to implementation of HTA recommendations. Assessing the impact of HTA. | Eleanor Grieve, Research Associate HEHTA | Discussion board exercise |  |