# **Supplementary File E**

# **SSurvey E1: Questions on educational / training activities in HTA and HTA-related topics to HTA institutions**.

# **SSurvey E2: Questions on educational / training activities in HTA and HTA-related topics to INAHTA member agencies**

# **STable E3: Responses to survey questions to HTA institutions**

**STable E4: Responses to survey questions to HTA agencies**

**SSurvey E1: Questions on educational / training activities in HTA and HTA-related topics to HTA institutions**.

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| 1. Do you or the organization you are affiliated with teach/provide University level HTA or courses related to the topic of HTA? |
| Yes/No  If Yes, please state name of institution, Course title, and contact person (if other than you). |

For Questions 2, 3 & 4. You can provide a link to the course details if online or upload the course prospectus/ brochure.

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| 1. What would be the eventual learning outcomes of the course program?. |
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| 1. Please specify details of the University level course |
| Course Title and year offered/ Level of the course (Undergrad, Graduate, PhD, Others (e.g. short courses, modules within a degree program etc) please specify/ Frequency (semesters)/ Eligibility criteria for enrolment |

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| 1. Please include curriculum of the various courses specified above including total number of hours for each subject |
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| 1. Please provide information on teaching methodology and how often utilized (frequently, sometimes, never) |
| Lectures / Lectures using HTA reports and real world examples/ Discussion/ Experiential learning (problem based learning) / Group work (presentations)/ HTA report writing |

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| --- |
| 1. Is this course an online program or a blended online program |
| Yes/No |
| If yes, please provide details of the instructional technique (Asynchronous/ Synchronous)  Videotaped presentations/ interactive discussion forum/ Chats and instant messaging/ Video and audio chats/ Blogs/ Live presentations/ Wikis and other shared writing/editing tools/ Polling/ Whiteboard and screen sharing tools/ Others (please specify) |

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| 1. Do you collaborate in your training/educational activities with other educational institutions? |
| Yes/No  If Yes, please specify in which manner – joint staff appointment, joint degree program, etc |

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| 1. Do you collaborate in your training/educational activities with HTA agencies? |
| Yes/No  If Yes, please specify in which manner – joint staff appointment, topic of HTA report, etc |

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| 1. Do you collaborate in your training/educational activities with other stakeholders, e.g. industry, department of Health, patients, etc? |
| Yes/No  If Yes, please specify in which manner |

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| 1. Do you know of another HTA (or HTA related) course available in your country? |
| Yes/No  If Yes, please state name of institution, Course name, contact person. |

Adapted from Douw K, Vondeling H, Bakketeig LS. HTA Education and Training in Europe. The ECHTA/ECAHI Project – Working Group 5. 2001

# **SSurvey E2: Questions on educational / training activities in HTA and HTA-related topics to INAHTA member agencies**

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| --- |
| 1. Are there any training or educational activities related to HTA at your agency? |
| Yes/  No/   1. If no, do you send your staff to an external course or to a secondment? Please specify   Specific training on the job only |

If yes to (1) please proceed to Question 2.

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| 1. In which areas (core competencies) do you provide training? |
| HTA/Healthcare policy and planning/EBM/Epidemiology/Literature searching/ Systematic literature reviews/HE or Economic Analysis/Statistics/ CE/priority setting / Ethics, Legal, Social and Organizational issues /Others (please specify) |

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| 1. What type of training do you provide? |
| Seminars/Workshops/Intensive courses/ Distance education/Fellowships/Internships |

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| --- |
| 1. How often do you organize training activities/courses? |
| Number of days/year |

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| --- |
| 1. Are training activities organized ad hoc or as a part of your agency’s responsibilities? |
| Ad hoc/ Agency’s responsibility / Both |

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| --- |
| 1. Is training in HTA offered to |
| 1. Newly employed staff (b) current staff (c) patient/citizen organisations (on their involvement ) (d) industry especially SMEs in terms of dossier completion (e) others (please specify)   Yes, regular/ Yes. sometimes / No, infrequently/ No, never  If yes, please specify their occupation:  Physicians/ Healthcare administrators/ Any healthcare worker/ Nurses/Students/ Project group members/ Physicians developing Guidelines/ Pharmacologists/ Scientists/ Residents and young doctors/ Epidemiologists/ Sociologists/ Politicians/ Teachers at medical faculties/ Public policy workers/ Consultants/ Industry/ Librarians |

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| --- |
| 1. Does your educational activities provide certification? |
| Yes/ No |

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| 1. Do you collaborate with an educational institution e,g, University, College for (a) providing courses (b) #7? |
| Yes/ No |

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| 1. Please indicate financial sources for your agency’s training/educational activities: |
| Fees/ Our own budget/ Grants from industry/ Grants from government/ |
| Other (please specify) |

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| 1. Do you provide training to international trainees (including internships or fellowships) at your agency)? |
| Yes/ No |

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| 1. Would your agency be willing to host international fellow/ interns if this internship is financially supported? |
| Yes/ No (Please specify) |

Adapted/Updated version. Jonsson E, Chamova J. (2000). Report of the survey results “Educational/training activities in INAHTA agencies”.

Glossary

Curriculum could include: HTA/Healthcare policy and planning/EBM/Epidemiology/Literature searching/ Systematic literature reviews/HE or Economic Analysis/Statistics/ EBM/CE/Analysis ELSO issues

as part of core competencies: “ Mueller, D., Gutiérrez-Ibarluzea, I., Schuller, T., Chiumente, M., Ahn, J., Pichon-Riviere, A., . . . Marchetti, M. (2016). Capacity Building in Agencies for efficient and effective Health Technology Assessment. *Intl Journal of Technology Assessment in Health Care,* *32*(4), 292-299. doi:10.1017/S0266462316000490” HTA

# **STable E3: Responses to survey questions to HTA institutions**

| **University other) programs** | **Programs offered** | **Credit/teaching hours/ Semester** | **Online/blended/ Face-to-face** | **Collaboration with** | **Other** |
| --- | --- | --- | --- | --- | --- |
| *ASIA* | | | | | |
| Fudan University | HTA and Pharmacoeconomics | 5 day Module /36 teaching hours /  1 semester | Online | n/a | - |
| Kazakh Medical University | HTA | Module /90hours | n/a | Plan for future collaboration with industry/patient/ Department of Health |  |
| *AUSTRALIA* | | | | | |
| University of Sydney | Evaluation methods | 6 credits | Blended online  Synchronous/ Interactive discussion forum/ whiteboard and screen sharing/ polling/ blogs/live presentations | University of South Wales (instructor); | Module within Masters/Graduate Diploma in Public Health |
| University of Adelaide/ AHTA | HTA | 3 units | Online  asynchronous und synchronous, videotaped presentations, interactive discussion forum, video and audio charts, whiteboard and screen sharing tools, live presentations, wikis and other shared writing tools  & Face-to-face (short course) | Other Universities/ Agency for Care Effectiveness (ACE), Singapore | 2 Postgraduate courses in HTA in alternate years – online & short course. Within Masters of Public Health/ Health Economics & Policy/ Public Health Honours.  & Workshops to upskill professionals |
| *SOUTH AMERICA* | | | | | |
| Instituto Nacional de Cardiologia, Brazil | HTA | n/a | Interactive discussion forum/ whiteboard and screen sharing/ polling/ video & audio chats | Joint courses/”think-tank” on  HTA reports/ methodological guidelines | Masters program  & Short courses |
| Fundação Oswaldo Cruz (FioCruz), Brazil | Refresher course in HTA | 40 hours | MOOC & Modules | n/a | Short courses/ Modules within Master of Public Policies |
| *NORTH AMERICA* | | | | | |
| University of Ottawa, Canada | HTA | 3 units | Face-to-face/  Lectures, seminars and case studies | n/a | Graduate course within Epidemiology program/ Health Systems |
| McMaster University, Canada | HTA | 3 day | hands-on workshop | PATH – Programs for Assessment of Technology in Health |  |
| University of Pennsylvania, USA | HTA project | n/a | n/a | hospital | Within Masters or post graduate programs in Biostatistics, Epidemiology, and Informatics |
| Center for the Evaluation of Value and Risk in Health, Tufts Medical Centre, USA | Module on quantitative HTA methods | n/a | Blended online  Synchronous, Polling, Live presentations, whiteboard and screen sharing tools | Guest lectures - Industry and patient groups | Within Master’s of Public Health in Health Policy and Management |
| John Hopkins University, USA | Health economics | n/a | n/a | n/a | Masters in Global Health economics |
| Brown University, USA | Healthcare economics | n/a | n/a | n/a | Doctoral program in Healthcare economics |
| *AFRICA* | | | | | |
| University of Cape Town, South Africa | Economic Evaluation (EE) module | n/a | Interactive discussion forum, live presentations, chats and instant messaging  Conducting assessment and presentation of analysis to group | National Department of Health essential medicines program | Postgraduate Diploma in Heath Economics &  EE Module within Masters of Public Health |
| University of Witwatersrand School Of Public Health, South Africa | Economic Evaluation module | n/a | n/a | n/a | Within Masters in Public Health |
| University of Kwa Zulu Natal, South Africa | Pharmacy | n/a | Online  Videotaped presentations  Interactive discussion forum  Chats and instant messaging | National Department of Health | Masters in Pharmacy |
| University of Pretoria, South Africa | HTA | n/a | Blended online | Charlotte Maxeke Research Center (CMeRC) | Short course with protocol writing  & Module within Masters of Public Health(research)/ PhD |
| *EUROPE* | | | | | |
| UiT Artic University, Norway | HTA |  |  | National Institute of Public Health (NIPH) | Masters/ short course |
| University of Oslo, Norway | Systematic reviews | 3 day/ Workshop | Face-to-face  Seminar/group work | National Institute of Public Health (NIPH) | For PhD candidate |
| University of Oslo Met, Norway | Systematic overviews and meta-analysis | 6 month/ 1 semester | Face-to-face/ lectures/ group activity/discussions/practical exercises/ protocol writing | National Institute of Public Health (NIPH) | For PhD candidate |
| Norwegian University of Science and Technology (NTNU), Norway | Systematic overviews and meta-analysis | 6 month/ 1 semester | Face-to-face/ lectures/ group activity/hands-on/ protocol writing | National Institute of Public Health (NIPH) | For PhD candidate |
| University of Bergen (UiB), Norway | Systematic reviews and meta-analysis | 6 month/ 1 semester | Face-to-face/ lectures/ group activity/ Protocol writing | National Institute of Public Health, (NIPH) | For PhD candidate |
| SDA Bocconi, Italy | HTA Advanced course | 1 year | Blended online | n/a | within Economic Evaluation of Healthcare programs - Masters in International Management Economics & Policy |
| Anglia Ruskin University, UK | Short course in Systematic review | 3 hours | Face-to-face | n/a | n/a |
| University of Oxford, UK | Introduction to Health Economic Evaluation  Applied Methods of Cost-Effectiveness Analysis | 1 day  3 day | n/a | n/a | Short course |
| University of Southampton, UK | Systematic reviews and Health Economics (introduction) | 1 day course | Face to face | n/a | Short course |
| Technical University of Berlin, Germany | Systematic assessment of medical technologies | 1 semester, 6 month/ | Blended online | Universities and others | Module in Masters |
| Institute of Medical Technology Assessment, (iMTA), Netherlands | HTA | n/a | Blended online  Asynchronous, videotaped presentations, interactive discussion forum, video and audio chats | n/a | Module with Undergraduate / graduate / PhD training /  short courses |
| University of Groningen, (UMCG & HELP), Netherlands | HTA | n/a | n/a | n/a | Masters level courses on various aspects/perspectives of HTA research master epidemiology, as part of a MSc business administration  and several auxiliary courses |
| UMC Utrecht Julius Center | HTA | Short course (2-day) | Face to face | n/a | n/a |
| OTHER |  |  |  |  |  |
| Grupo Hospitalar Conceição, Brazil | HTA | n/a | Face to face | n/a | Masters program |
| Sao Paulo State Health Secretariat, Brazil | HTA methods and pharmacoeconomics | 1 semester– 20 hours | Face to face | Joint staff appointment,  Sao Paulo HTA network, State municipalities | seminars and projects |
| EUPATI Patient group Europe | Mini-course Starter Kit HTA/  Experience with patient involvement in HTA/  Guidance for patient involvement in HTA | n/a | Online (webinar) | n/a | Short courses |
| IDSI | n/a | n/a | n/a | guest lecturers for graduate level courses at various UK universities including: Kings College London and Imperial College London - global health Master programs. also to non-UK universities around the world | n/a |

n/a – not applicable or not available

**STable E4: Responses to survey questions to HTA agencies**

| **HTA agency** | **Programs offered** | **Frequency** | **Online/ blended/ Others** | **Collaboration** | **Training offered to** | **Occupation of trainees** |
| --- | --- | --- | --- | --- | --- | --- |
| *ASIA* | | | | | |  |
| MaHTAS (Malaysian HTA section) | HTA,  EBM,  Epidemiology  Literature searching,  Systematic literature reviews,  Health economics,  Statistics  Comparative Effectiveness, Priority setting | 25 days/ year (total) | Seminars, Workshops, Intensive courses, Internships | Universities | newly employed staff, current staff and policy makers, head of services and programme heads | Physicians, Healthcare administrators, nurses, students, project group members, physicians developing guidelines,  Pharmacologists, scientists, residents and young doctors, public policy workers |
| CDE, Taiwan | HTA,  Literature searching,  Systematic literature reviews,  Health economics,  Statistics,  ELSO issues | Sometimes | Seminars/ Workshops, Intensive courses, Online | Universities | Offered to newly employed staff, current staff, patient and citizen organizations, industry (SMEs) | Physicians, Healthcare administrators, students, project group members,  Pharmacologists, teachers, public policy workers, industry |
| *EUROPE* | | | | | |  |
| Osteba, Basque HTA Office | HTA, Literature searching, Systematic literature reviews, priority setting, ELSO issues | Sometimes | Seminars, workshops, fellowships | Universities | Newly employed staff, clinicians, public health students | Physicians, Healthcare administrators, nurses, students, project group members, physicians developing guidelines, residents and young doctors |
| KCE, Belgium | HTA, EBM, Epidemiology, Literature searching, Systematic literature reviews, Statistics | Infrequently | Seminars, Workshops | No | Newly employed staff, clinicians, other governmental organizations | Physicians, nurses, project group members, physicians developing guidelines, pharmacologists/scientists, epidemiologists, sociologists, librarians |
| NIPH, Norway | Evidence based practice and Health Care | A week long | Workshop  Online courses are offered too/ synchronous/interactive discussion form, video and audio chats, live presentations | Universities in Norway Oslo Met, UiO, NTNU, UiB, UiT) and hospital trusts  EUnetHTA | n/a | Physicians, Healthcare administrators, nurses, students, project group members, physicians developing guidelines, residents and young doctors |
| A.Gemelli Teaching Hospital – HTA Unit / Catholic University, Italy | HTA,  Healthcare policy and planning,  Literature searching,  Health economics,  ELSO issues | Sometimes | Seminars/ Workshops, Intensive courses, Online |  | Offered to patients & citizens/ industry (SMEs)/ external students/ staff | Physicians, Healthcare administrators, nurses, students,  Pharmacologists, scientists, epidemiologists, sociologist, teachers, consultants, industry |
| *SOUTH AMERICA* | | | | | | |
| Health Assessment Division (MSP), Uruguay | HTA, EBM, Literature searching, Health economics | 10 days/ person/ year | Workshops | Universities | Newly employed staff/ current staff | Physicians,  Pharmacologists, scientists,  Resident and young doctors, epidemiologists |
| CENETEC, Mexico | HTA, Epidemiology, Systematic literature reviews, Health economics, ELSO issues | 3 to 5 days/ year | Seminars/ intensive courses/ online/ fellowships | Universities | Current staff | Physicians, project group members, physicians developing guidelines |