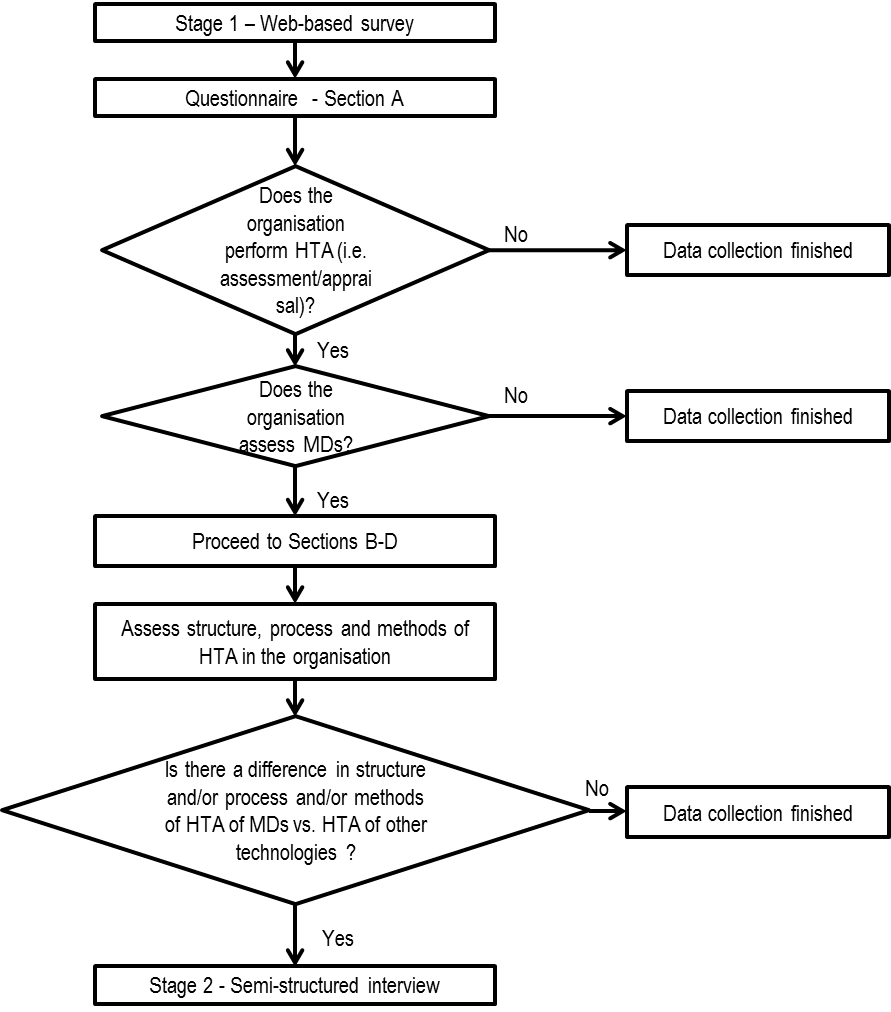
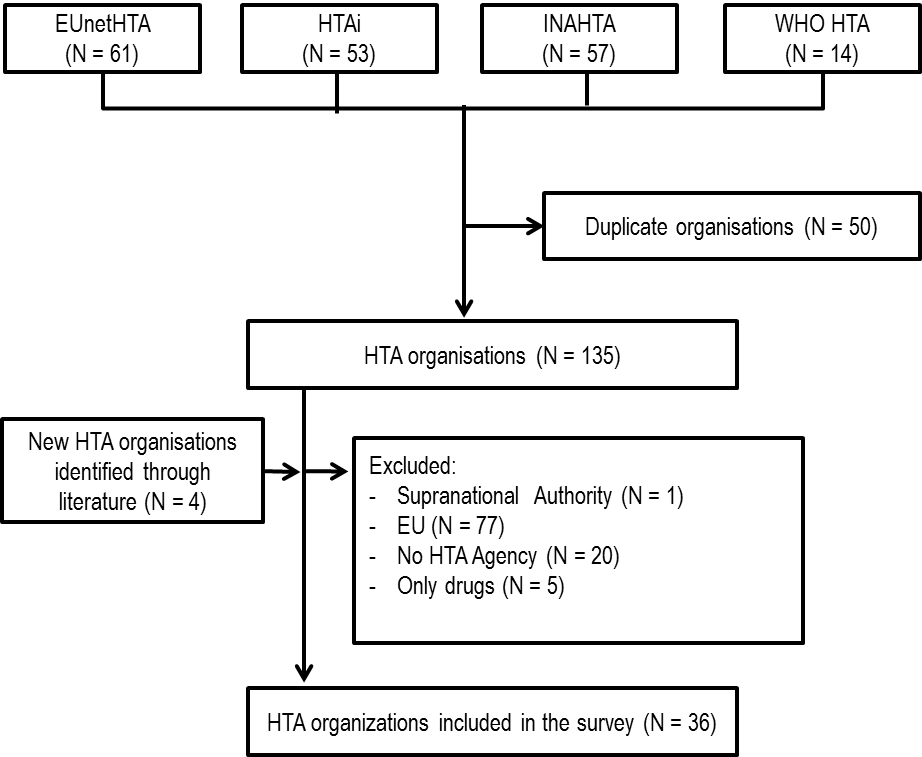
eFigure 1 Summary of two stage survey process



eFigure 2. Selection Sampling of non-EU HTA organisations



EUnetHTA = European network for health technology assessment; HTAi = Health Technology Assessment International; INAHTA = International Network of Agencies for Health Technology Assessment; WHO HTA = World Health Organization HTA Collaborating Centres.

eTable 1. Qualitative interview data analysis: summary of key points addressing the issues associated with HTA of medical devices

|  |  |  |  |
| --- | --- | --- | --- |
| **HTA perspectives** | **Value** | **Key Point Summary** | **Categorisationa** |
| **Structure** | ***Positive*** | ***Decision Making***   * The framework in place has evolved to meet the needs of funding programmes. | Some |
| ***Negative*** | ***Capacity***   * Insufficient resources (e.g., budget, economists, and pharmacists) create challenges for organisation to deliver according to its purpose. | Many |
| **Process** | ***Positive*** | ***Capacity***   * Experts from external networks augment agencies’ capability to meticulously review applications. | Some |
| ***Coordination***   * Integrating feedback from external parties (e.g., patients, clinicians) facilitates stakeholder buy-in and informs the contextualization of data. | Some |
| ***Decision Making***   * Standard operating procedures (i.e., approval channels via subcommittees) support the translation of evidence into policy. | Some |
| ***Negative*** | ***Coordination***   * Heterogeneity of devices makes the coordination of evidence assessment on different system levels difficult. * Disconnect between the regulator and reimbursement body adversely impacts the timeframe of HTAs. | Many |
| **Methods** | ***Positive*** | ***Evidence***   * Consistent application facilitates sound evidence synthesis and appropriately informs appraisal. | Some |
| ***Negative*** | ***Capacity***   * Staff lacks skills to appropriately assess various types of data (e.g., RCT, qualitative). | Some |
| ***Transferability***   * Cannot generalise findings due to variation of (local) social context. | Many |
| ***Evidence***   * Poor quality evidence limits the ability to answer desired questions. * Industry is unclear about the definition of [adequate] evidence. | Most |

1. “Some” corresponds to key points made by 10-30% of interviewees, “Many” corresponds to key points made by 31-65% of interviewees, and “Most” corresponds to key points made by 66-100% of interviewees