

Good Evaluation Practice guidelines for planning and executing an evaluation study in Health Informatics (GEP_HI)

P Nykänen, J Brender,
E Ammenwerth, M Rigby, L Hanmer



Motivation, Objectives, Development, Contents



Motivation

- Need to have good practice guidance for evaluation, no single, global methodology exists
- Need to enable higher efficiency and effectiveness of evaluation studies
- Need to strive at increasing the evidence base in order to enable systematic reviews and comparative studies
- Good practice guidelines should serve as:
 - **Framework** to design evaluation studies, to conduct studies
 - **Support** for health professionals and users to understand evaluation and contribute to evaluation studies
 - **Contribution** to the evidence-based health informatics



3

Objectives

- **Generic practical guidelines** that provide evaluators, users, health professionals with **structured, scientifically justified, comprehensive and understandable set of rules** for good practice
 - A checklist of issues for design and execution of evaluation studies in health informatics domain



4

Objectives – practically

- Guidelines:
 - Criteria and aspects, both in quantitative and qualitative terms, to consider at each evaluation phase
 - Carry out evaluation of the specific aspect, criteria at specific stage
 - Design and manage the evaluation study
- Guidelines from various stakeholders viewpoints: **third party evaluators, users, health professionals, managers, decision makers, health economists,...**

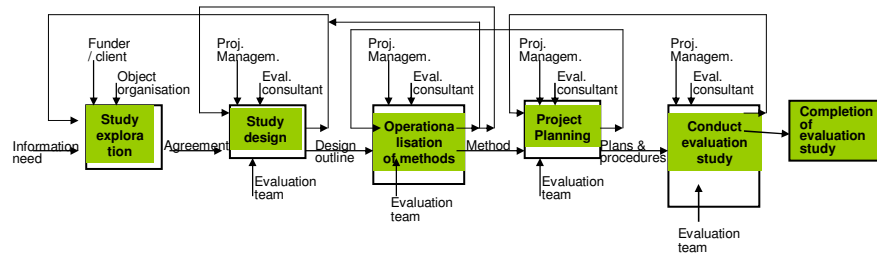


How GEP-HI guidelines have been developed

- Existing guidelines development principles
- Existing literature and material on evaluation studies, methodologies, reported evaluation experiences, guidelines for good clinical practice, codes of ethics, good implementation practices critical study and assessment, review
- **Spiral, consensus making approach**
 - Coordinators
 - Editorial team
 - External experts by HISEVAL website / mailing list
 - **Presentations at workshops in MIE (Medical Informatics Europe) and MEDINFO-conferences since 2006**
 - **Revised versions produced, opened for comments and input**



GEP_HI guidelines flowchart



GEP-HI guidelines

- 1. Study exploration**
 - Starting question
- 2. Study design**
 - Preliminary design
- 3. Operationalisation of methods**
 - Methodological approach, methodical aspects
- 4. Project planning**
 - Detailed planning
- 5. Conduct the evaluation study**
 - Accomplishment of the planned evaluation study
- 6. Completion of the evaluation study**
 - Accounting, archiving, reporting of evaluation study results



Status now and progress

- Guidelines-paper has been accessible on iig.umat.ac.uk/efmi-website since 2006
- Comments and input received
- Final revision is ongoing
 - Comments and input received will be incorporated
 - Guidelines will be ready for publication in **November 2010**
- **Workshop for feedback on guidelines in MIE2011, Oslo**



Contact

- Feedback and input
 - Pirkko.Nykanen@uta.fi
 - Jytte.Brender@v-chi.dk
- paper accessible: iig.umat.ac.uk/efmi

Editorial team: Pirkko Nykänen, Jytte Brender, Elske Ammenwerth, Jan Talmon, Nicolette de Keizer, Marie-Catherine Beuscart-Zephir, Michael Rigby

