

STARE-HI workshop: Guidelines for the reporting of Health Informatics evaluation studies: Their rationale and application

J. Talmon, E. Ammenwerth, J. Brender, M. Rigby, P. Nykänen, N. de Keizer



IMIA WG Technology Assessment and Quality
Development in Health Informatics



EFMI WG Assessment of Health Information Systems

Elske Ammenwerth

UMIT – University for Health Sciences,
Medical Informatics and Technology, Hall in Tirol, Austria



Institute for Health Information Systems
University for Health Sciences, Medical Informatics and Technology

UMIT

IT in health care

- Health care depends on information technology (health IT)
- Health IT can **improve efficiency, quality and safety** of health care
- But: Insufficiently designed health IT can also **hinder processes and harm patients**
(see examples at: <http://iig.umit.at/efmi>)



Institute for Health Information Systems
University for Health Sciences, Medical Informatics and Technology

UMIT

Need for evaluation



Overhage, 2001

- **Ethical obligation** to ensure that health IT generates benefits and does not harm patients.
- Evaluation helps to design **better IT systems**.
- Evaluation generates evidence needed for health informatics as professional science („**Evidence-based health informatics**“).

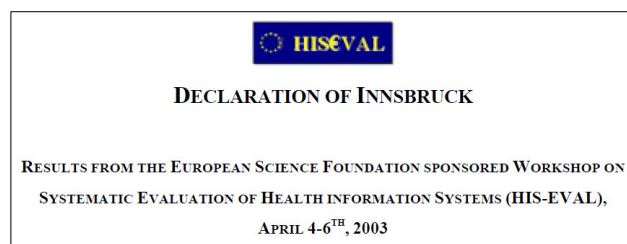


Institute for Health Information Systems
University for Health Sciences, Medical Informatics and Technology

UNIT

Definition of evaluation

- „Act of measuring or exploring properties of a health information systems, the result of which informs a decision to be made concerning that system.“ (Declaration of Innsbruck)



Institute for Health Information Systems
University for Health Sciences, Medical Informatics and Technology

UNIT

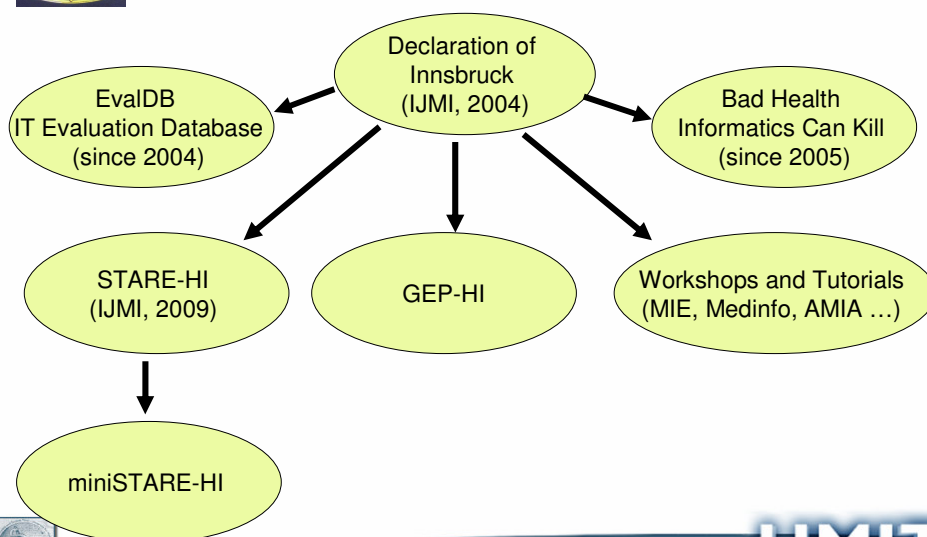
Challenges in evaluation



- Who will pay for an evaluation study?
- Who has the expertise to perform evaluations?
- How to design a „good“ evaluation study?
- How to design „good“ evaluation reports?
- How to find evaluation studies?
-



EFMI/IMIA Working Groups on Evaluation: Activities



STARE-HI: Statement on Reporting of Evaluation Studies in Health Inf.

- Many evaluation paper are of low quality
- Guidelines should identify items that should be described in a paper
- Guidelines should help to write papers
- Guidelines should help to improve quality of published evidence in health IT
- Guidelines can be used for training



STARE-HI: Workshop



- Elements on STARE-HI (Jytte Brender)
- Case study (Nicolette de Keizer, Jan Talmon)
- Summary and discussion (Michael Rigby, Pirkko Nykänen)



Interested?

- All activities and slides available at <http://iig.uit.at/efmi/>
- EvalDB Evaluation Database available at <http://evaldb.uit.at>
- Contact: elske.ammenwerth@uit.at

