A Generic Software Architecture for Patient Recruitment Systems Using Hospital Information System Tools

Benjamin Trinczek – 27th August, MIE 2012, Pisa
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Patient recruitment

- Dugas M et al. Workflow to improve patient recruitment for clinical trials within hospital information systems - a case-study. Trials. 2008 Jan 11; 9(2)

Focus on local HIS

- > 90 per cent university HIS, > 50 per cent other HIS
- Generic Patient Recruitment System
- Existing tools
- Routine patient data
Methods

Interviews
+ technical discussion
+ literature review

= feature list
  modules
  communication
  implementation options
Results

1. Trial Administration
2. Patient Data
3. Query Module
4. Notification Module
5. Screening List Module

Trial Info → Trial Info
New Patients → XOR
Query Data → Query Results
Discussion & outlook

- Generic Software Architecture exists
- Several implementation options
- Implementation proven
- Evaluation on-going
  - Number of trial participants
  - Usability
Thank you!

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