Leveraging countrywide EHRs to facilitate an integrated research framework

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• **Aim of the Thesis**

1. Utilise countrywide EHRs to facilitate an *Integrated Research Framework*

2. Assess technical, content-related and legislative feasibility by means of a medical research scenario in context of maintaining cancer registries on regional, national and international level
**Cancer Registry Requirements**

1. literature review to identify, select and align operational requirements and legal obligations
2. research scenario created in compliance with requirement definition
   - identification of functional components

**Integrated Research Framework**

3. interactions transposed by EHR content, structure and format standards
4. IHE Integration Profiles are interfaced and evaluated in adherence to the research scenario
Integrated Research Framework
- conjunction of identified IHE Integration Profiles
- extends implementations of XDS Profile
- automated data acquisition from dispersed information systems
- complemental data collection through dedicated user-interfaces

Results

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