Current landscape of patient summary initiatives...
What are best practices?
Where can we share resources?

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International Patient Summary Workshop - Bridging projects & Initiatives
Brussels
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What keeps us busy: Life Cycle

Communication Need

Production

Datasets Scenarios

Test

Specification

Implementation

Semantics (Terminologies) Structures
Life Cycle phases embracing each other

- **Deployment**
  - Test / Certify
  - Achieve

- **Publishing**
  - Implement
  - Test / Validate

- **Development**
  - Craft / Check / Reuse
  - Endorse

- **Functional**
  - Who / When?
  - What?

- **Business Model**
  - Money?
  - Mandate? Law?
Some Emergency Care Endeavors

- Emergency Care Treatment Registry AKTIN
- Emergency Data on Health Card
- Acute Care Reports between Ambulances, 911ers, Emergency Services
- Emergency Discharge Report
- Rescue Report
- Trauma Registry Data Submission for National Trauma Data Bank (NTDB)
# Emergency Care Projects

<table>
<thead>
<tr>
<th>Deploy</th>
<th>Publish</th>
<th>Develop</th>
<th>Function</th>
<th>Business Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Hospital ECUs</td>
<td>?</td>
<td>Regional, Ambulances</td>
<td>IGs (Base Report, Trauma, Anaest)</td>
<td>IGs for different Transitions</td>
</tr>
<tr>
<td>CDA, HL7 EC SNOMED, replaced Endorsed, comput.</td>
<td>Prop., CDA later Proprietary comput.</td>
<td>CDA SNOMED comput.</td>
<td>ECU to Registry 400 Data items</td>
<td>Ambulance / 911 400 items</td>
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<tr>
<td>Registry / Qual Ctrl Justificat. funding</td>
<td>Acute Care 50 Data items</td>
<td>Health Card, future ehealth laws</td>
<td>Qual Ctrl / Nat. Emergency Agency</td>
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<tr>
<td>AKTIN EC Registry</td>
<td>Emerg Data on Card</td>
<td>Acute Care</td>
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# Emergency Care Projects

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<tbody>
<tr>
<td>-</td>
<td>None</td>
<td>Upcoming</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IG planned</td>
<td>IG (Emergency Discharge Report)</td>
<td>IG Registry Report</td>
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<td>CDA SNOMED comput.</td>
<td>CDA, IHE Profiles LOINC Endorsed, paper</td>
<td>CDA SNOMED, LOINC Endorsed, paper</td>
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<tr>
<td>ECU to Registry 200 Data items</td>
<td>ECU discharge 100 Data items</td>
<td>Accident/Trauma 300 Data items</td>
<td></td>
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</tr>
<tr>
<td>Quality Control / Nat. Emerg. Agency</td>
<td>Continuity of Care</td>
<td>Quality Control / Registry NTDB</td>
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</table>

- Rescue Report
- EC Discharge
- Trauma Registry
Collaboration tooling is of paramount importance

<table>
<thead>
<tr>
<th>Action / Step</th>
<th>Tooling Support to be expected for...</th>
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</thead>
<tbody>
<tr>
<td>Development of Specifications</td>
<td>...knowing what others have done,</td>
</tr>
<tr>
<td>Harmonization of Specifications</td>
<td>...re-using components, e.g. value</td>
</tr>
<tr>
<td></td>
<td>sets, templates in new specs</td>
</tr>
<tr>
<td></td>
<td>...review and <strong>consolidate</strong></td>
</tr>
<tr>
<td>Publishing</td>
<td>...publishing <strong>consistently</strong>,</td>
</tr>
<tr>
<td></td>
<td>...making artefacts <strong>easily</strong></td>
</tr>
<tr>
<td></td>
<td><strong>accessible</strong> and available in <strong>computable</strong> manner</td>
</tr>
<tr>
<td>Implementation in Software Deployment</td>
<td>...software building process</td>
</tr>
<tr>
<td></td>
<td>...<strong>validation</strong></td>
</tr>
<tr>
<td></td>
<td>...testing</td>
</tr>
<tr>
<td>Maintenance</td>
<td>...<strong>proper version</strong> management</td>
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</table>
Conclusions

• **Money**: have a business model (or a law)

• **Collaboration**: (cross countries) highly desired
  – “Glasgow Coma Scales” Syndrome

• **Life Cycle**: supported by Tools

• **Specifications**: Sharing is caring
  – federated repositories of artefacts, reusability

• **Deploy/Implement**: Test to be the best
  – computable specifications for validation and testing of implementations helps to reach conformance
Thank you! Questions?

- Dr Kai U. Heitmann, MD, FHL7
- Heitmann Consulting and Services
- ART-DECOR Expert Group
- ART-DECOR Open Tools
- Gefyra GmbH, Germany
- Template WG co-chair, HL7 International, HL7 Europe
- Advisory Board, HL7 Foundation
- CEO HL7 Germany
- HL7 Germany / Netherlands / International