Master Data Management with GDSN

Work in Progress, Implications and Outlook

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You are here (Berlin)

Kiel

Beds
Kiel ~1,200
Lübeck ~1,100

Inpatients / year
Kiel ~55,000
Lübeck ~55,000

Outpatients / year
Kiel ~180,000
Lübeck ~160,100

Lübeck

Wissen schafft Gesundheit

Purchasing / Controlling Med. Supplies
Main Motive for UDI: Patient Safety

- **Two prerequisites for safe use of medical devices:**
  - Reliably and easily identify the device
  - Know the properties of the device
- **Accordingly:**
  Two components of UDI regulations:
  - Device and Production Identifiers
  - Global UDI Database (GUDID) and corresponding databases

Wissen schafft Gesundheit
UDI can be a blessing for hospitals

- Not only for patient safety
- Also for processes
  - Not only for logistics – track & trace
  - Also clinical processes at the point of care
    - Chance to improve revenue
Streamlining medical processes

• Have in the right place at the right time
  – Patient
  – Providers
  – Appliances
  – Devices & Consumables
  – **Information / knowledge about**
    • Patient
    • Providers
    • Appliances
    • Devices & Consumables
• So far the easy part:
  Defining wishes and requirements
• Now the going gets tough:
  **Implementation**
UDI challenges for hospitals

- Availability from external sources
  - timely / up-to-date
  - correct
  - complete
    (whatever that means, we will come back to that)

- Management within the organisation
  - including quality management

- Data flow within the organisation
  - including display at the point of care
  - including propagation between IT applications
Availability from external sources: Communication

- Many-to-many is outdated
- One-to-many (data hub) is the future
Global Data Synchronization Network (GDSN)
Challenges for the UKSH

- We fell behind with our homework
  - Activation of the interface to the GDSN
  - Definition of rules and procedures for Master Data Quality Management
- We have (not too phony) excuses
  - Lack of resources
  - Unexpected culture shocks
    - Now there is content used by clinical staff (= aliens…)
    - Master data are responsible for clinical work flows
  - Change of GPO
- We promise improvement
Master data content

• For logistics and procurement
  – OK, that’s the basics
• For clinical aspects
  – This is the area providing a lot of additional value for the healthcare providers
Unique device identifiers for coronary stent postmarket surveillance and research: A report from the Food and Drug Administration Medical Device Epidemiology Network Unique Device Identifier Demonstration

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Conclusions This process for identifying requisite extensions to support the effective use of UDI-associated data should be generalizable. Implementation of a UDI system for medical devices must anticipate both global and device-specific information. [Am Heart J 2014;168:405-413.e2]
UDI and Patient Safety: Raising Awareness in Germany

- Alliance for Action on Patient Safety
- Federation of University Medical Centers in Germany
Thank you for your attention