HDS: Some reflections from Belgium

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A DECENTRALIZED APPROACH BASED ON CIRCLE OF TRUST AND DEDICATED GOVERNANCE which LEAVES aside the question of CLOUD USE

Hubs-metahub system: today

1. Where can we find data?
2. In hub A and C
3. Retrieve data from hub A
4. All data available
A first priority for DATA REUSE from end user perspective: Avoid multiple entries!

Healthdata’s mission is to facilitate the data exchange between healthcare professionals and researchers according to the principle of single multifunctional data collection and the re-use of data, in order to increase public health knowledge and to adjust health care policy, with respect for the privacy of the patient, the healthcare professional and the medical confidentiality.
The challenge for scientific data collection

- Variables needed for scientific research question
- Register A
- Register B
- Register C
- Register D

- Signalitics: typically available in authentic sources
- Information needed in context of continuity of care or internal administration
- Information mostly not available in primary systems (EPD, HIMS, LIMS, ...)

EHTEL
Collaborating for Digital Health and Care in Europe
Capture Data
Automated Data Capture

« TO BE » scenario for most registers in 2018
From exchanging to sharing
Which priority data sets?

• First need to better orchestrate existing « HDS » and links with sensitive new kind of datasets (e.g. genomics)
• Increasing Need to connect to external trusted sources linked to health determinants such as social factors, environment, food, personal behaviour,) and to IoT.
• A Personal cloud space for each citizen?