A healthy portal is a portable portal

Sami Granstedt, Ørnulf Risnes, Snorre Davoen, Stephanie Roth, Olof Olsson, Jannik Jensen

In collaboration between

StatensArkiver Dansk Data Arkiv
FINNISH SOCIAL SCIENCE DATA ARCHIVE
NordForsk
Norwegian Social Science Data Services
SND Swedish National Data Service

EDDI EUROPEAN DDI USER CONFERENCE

Copenhagen, December 3, 2015
The challenge of searching for Nordic health data
Possible solutions

- Meta data and collaboration
  - Perfect meta data and great colleagues, true nordic ...

- To focus on
  - Agreeing and harmonizing data
  - Ingest and indexing
  - Designing user experience
  - Constructing something for the web
Making Nordic health data visible

● Scope
  – Nordic collaboration granted by Nordforsk for:
    NSD, FSD, SND, DDA and all of their health data

● Features
  – Web portal for
    • Ingest of meta data
    • Harmonization of meta data
    • Simple and faceted search
Meeting requirements so far

- Several meetings
  - Meeting with Danish health researchers
  - Working on harmonizing CVs
  - Specifying the software
  - Project reporting

- Hackathon
  - One lasting three days
#DEV_POI

- A proven simple system
- Scalable resilient solution
- Applying the reuse of previously developed projects
  - to be up and running minimizing overhead
  - piggybacking on future development in the limited scope of the project

- Areas of technical development
  - Ingest with data harmonization
    - DDI-L and DDI-C
  - Search engine
  - Web portal front end
Something new, something old and something borrowed
Screenshots

Nordic Health Data Portal [prototype]

Search Health Data

Filter Search Results by

Repository

Subject

Keyword

Kind of Data

Making Nordic Health Data Visible

Portal for Nordic Health Data

Collaboration with Researchers

The Nordic countries have a

The main outcome of this

We believe that researchers

12 s.end

5 fsd

3 nsd

2 dk.dda

1 degesis

1 usicpsr

12 health

23 health

21 and

14 sciences

15 medical

10 medicine

8 social

6 care

6 treatment

5 medical

18 health

11 and

10 factors

9 heredity

9 life

9 socioeconomic

8 diet

8 social

8 studies

12 data

12 survey

10 biological

10 measurement

10 measurements

8 independent

8 surveys

7 physical

1 administrative
### VIP - The Västerbotten Intervention Programme

**ID:** EXT0043

http://snd.guse/en/catalogue/study/EXT0043

**Abstract**

The Västerbotten Intervention Programme (VIP) is population-based and started in the municipality of Norra in 1985, subsequently, it was successively implemented across the county. The prevention effort has consisted of a combination of high-risk and mass approach. It has been focused on high blood-licids and has comprised food labelling, dietary information in grocery stores, cooking classes etc. Different NGOs has also been participating in the work. The individual strategy has consisted of all the citizens at age 40, 50 and 60 years has been invited to a health examination including individual counselling. The participants answered questionnaires regarding smoking, medication, diet and lifestyle-factors. The questionnaires was substantially the same as used in the MONICA-project. The participants in VIP has been asked if they are willing to donate a blood sample to the medical biobank at Umeå University. In addition to blood samples, anthropometric measurements and blood pressure was taken. In order to study disease developed among the participants, follow-up were conducted through linkage to different registers.

**Subjects**

- HEALTH
- Medical and Health Sciences
- Health Sciences
Future developments

• More meetings coming up

• More hackathons coming up
  – UX design, we love it
  – Extend search features
  – Ingesting: Auto translation and CV harmonization
  – Restful API for search

• The code is on USB flash drives and on GitHub
Thanks and contact

- Project homepage and demo
  - nordichealthdata.github.io

- Sourcecode
  - github.com/NordicHealthData