Towards a patient-based Dutch National Diabetes Information System

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• Introduction IVZ
• Dataflow Netherlands / Eubirod
• Use of a Trusted Third Party
IVZ
Foundation Information Provision Care

• LADIS: National Alcohol and Drugs Information System
• LCMR: National Substitution Register
• Medical Audits
• National Diabetes Care IS ??
Introduction IVZ

LADIS
National Alcohol And Drugs Information System

Since 1986
Unique identifier since 1994
Follow clients over the years
250,000 unique persons

Input
Data cleaning
Quality report
National Reports
Online benchmark

Output demo
Cocaïne in NL
Introduction IVZ

Part of Focal Point Netherlands
For:
Data provision for the
Treatment Demand Indicator
to the EMCDDA
European Monitoring Centre
for Drugs and Drug Addiction
LCMR: National Substitute Provision Register

• 24-7 database for viewing all information about outpatient methadone Clients
• Nationwide
• All Care Institutes (13000 clients, 1 million prescriptions)
• All prisons and forensic doctors (250 sites)
• Using Biometrical Identification
Introduction IVZ

**LCMR-server(s)**

- Referral Index
- Central Supply module
- Central Template Server

**Municipal health service**
- Consulting & Registration
- Cardissuance

**Practitioner**
- Dispenser

**Outpatient healthcare**
- Consulting & Registration
- Supply methadon
- Dispensing methadon
- Cardissuance

**Prison**
- Dispenser
Important Information clients

- Ministry of Health
- Research Institutes
- Employer’s organization
- Umbrella organization of Insurance companies
- Ministry of Justice
- Dutch Institute of Clinical Audits
- EMCDDA – European research
3. Medical audits projects

- Colorectal cancer surgery
- Overall Complications register
- Neurosurgery (some quality indicators
- Breast cancer surgery?
- Lung cancer surgery?

- Transparency for external stakeholders
- Mirror information for professionals
- Base for
  - Process analysis
  - Process improvement
  - Process monitoring
  - Better care for patient!

- Validity
- Completeness
- Case-mix correction
- Correction for coincidence
Dataflow medical audits

Hospitals with datamodel integrated

Hospitals without datamodel integrated

webapplication

TTP

1st encryption

Patientbased anonymised Researchdatabase

2nd encryption

Specific key-domains per project
Privacy elements stay at the source
Output example: (complications after surgery)
Dataflow Dutch Diabetes Database
Implementing regional BiroBox > 100
Central database Netherlands
Delivery to European DIS
Implementing patient-based national database
Example GUI-Privacy module
Central role for ZorgTTP
A Trusted Third Party for privacy issues
Role IVZ Dutch Diabetes Information Database

Service desk:
Implementing BiroBox at all Regional Diabetes Care Groups
Training of users BiroBox and Reporting
Servicedesk use Biro
Maintain Webportal
Newsletters
Recall

Managing database on patiënt Level
Providing aggregated data to EU database

Project Support Scientific committee
Privacy committee

Support on output:
Benchmark
Annual reports
Ad Hoc reporting
Periodic reporting
Geographical output
Thanks for your attention

Questions?