



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 ??





IVZ

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
Cocaine 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





Introduction IVZ 2

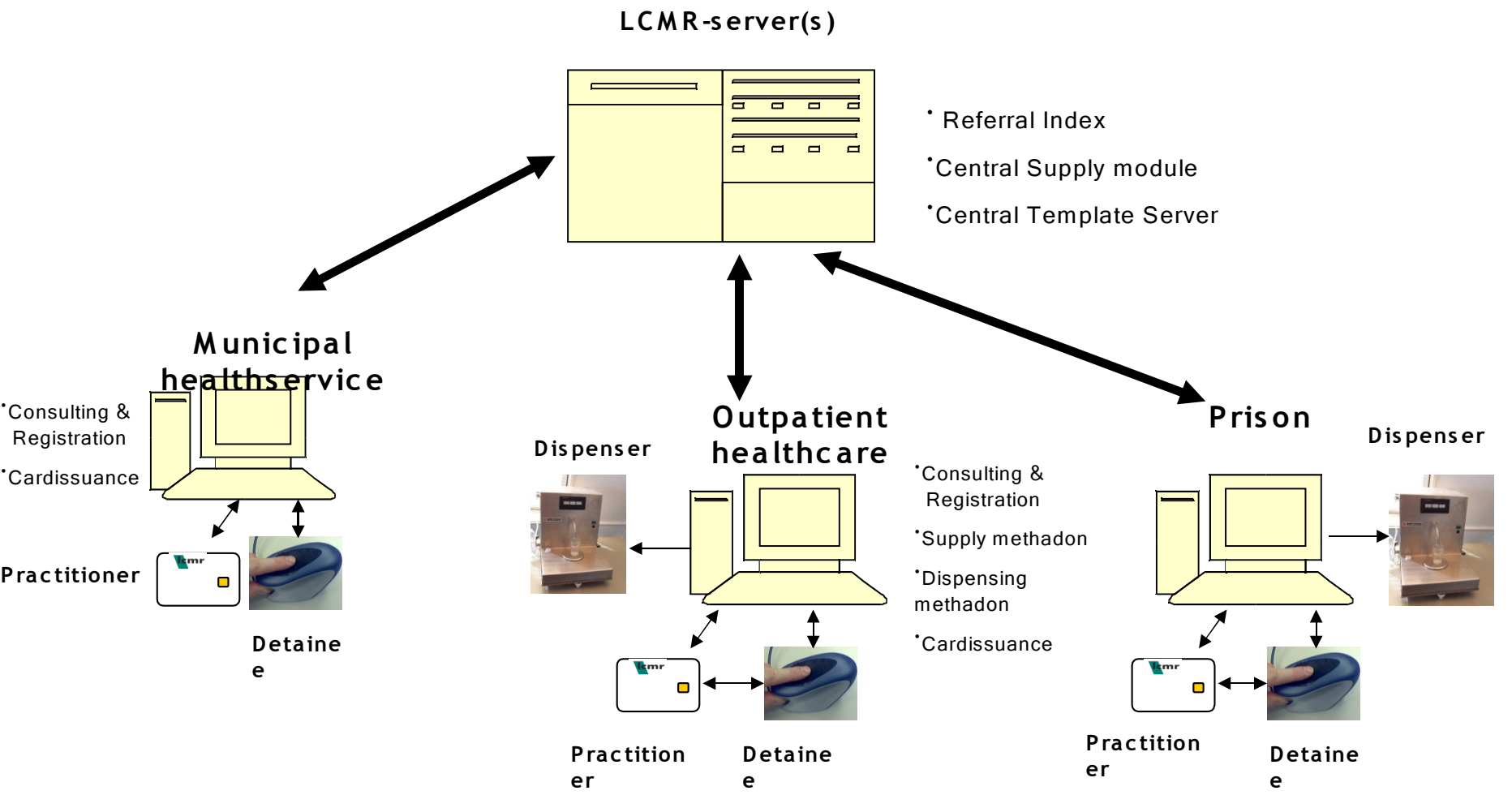
LCMR: National Substitute Provision Register

- 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



IVZ

Introduction IVZ





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



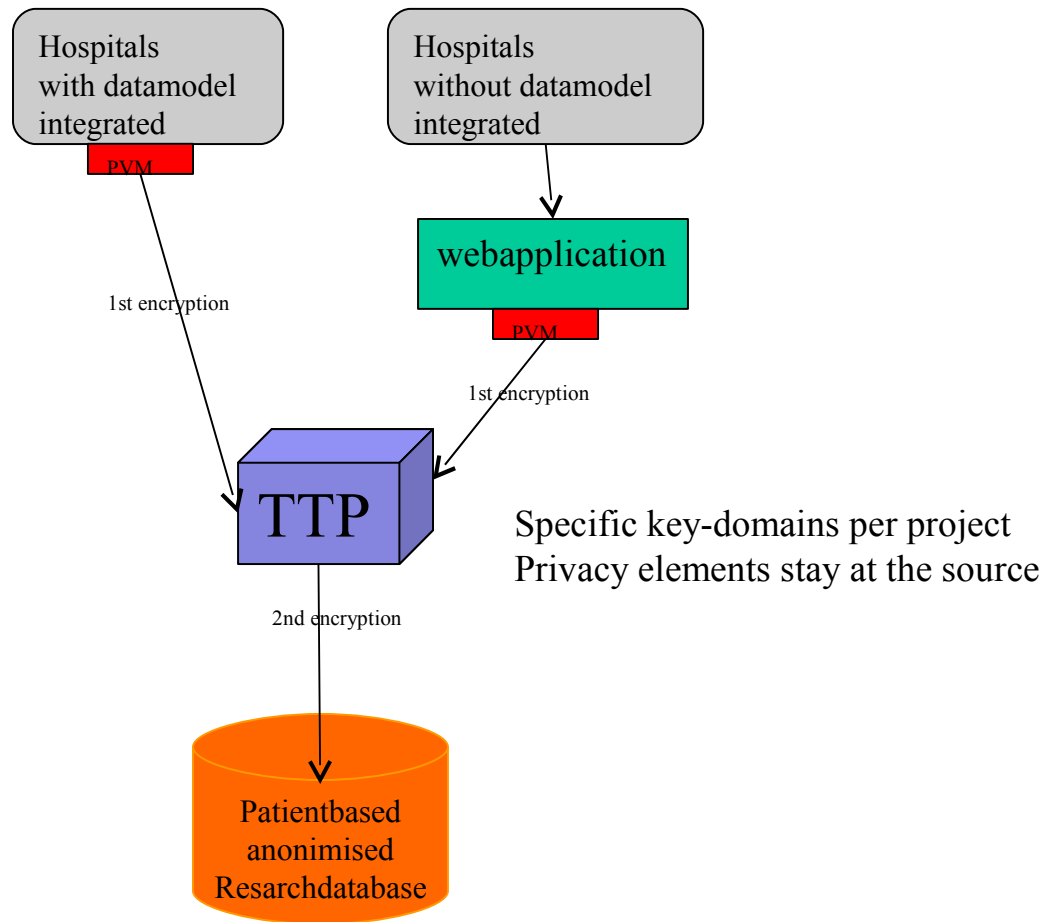
3. Medical audits projects

- 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



IVZ

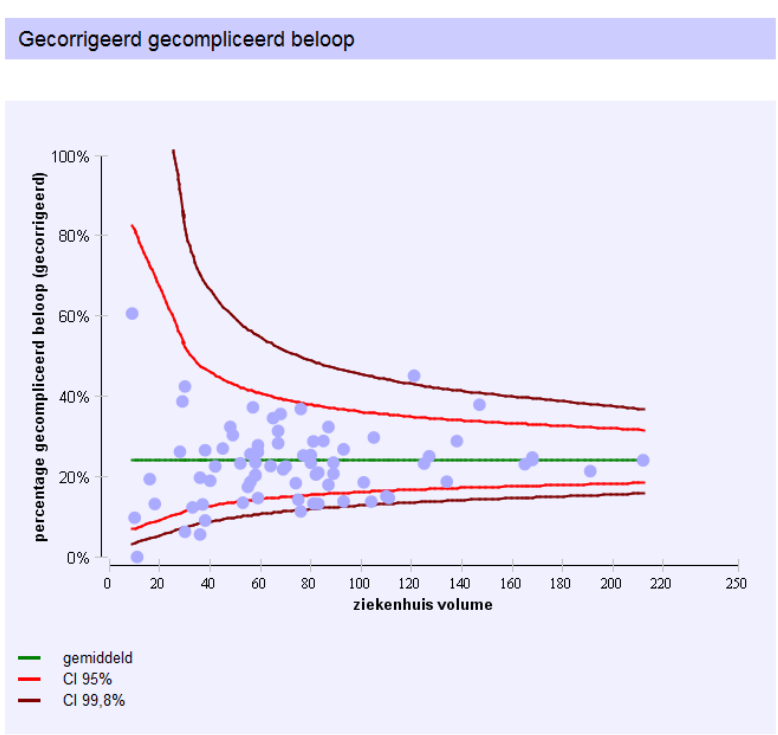
Dataflow medical audits





IVZ

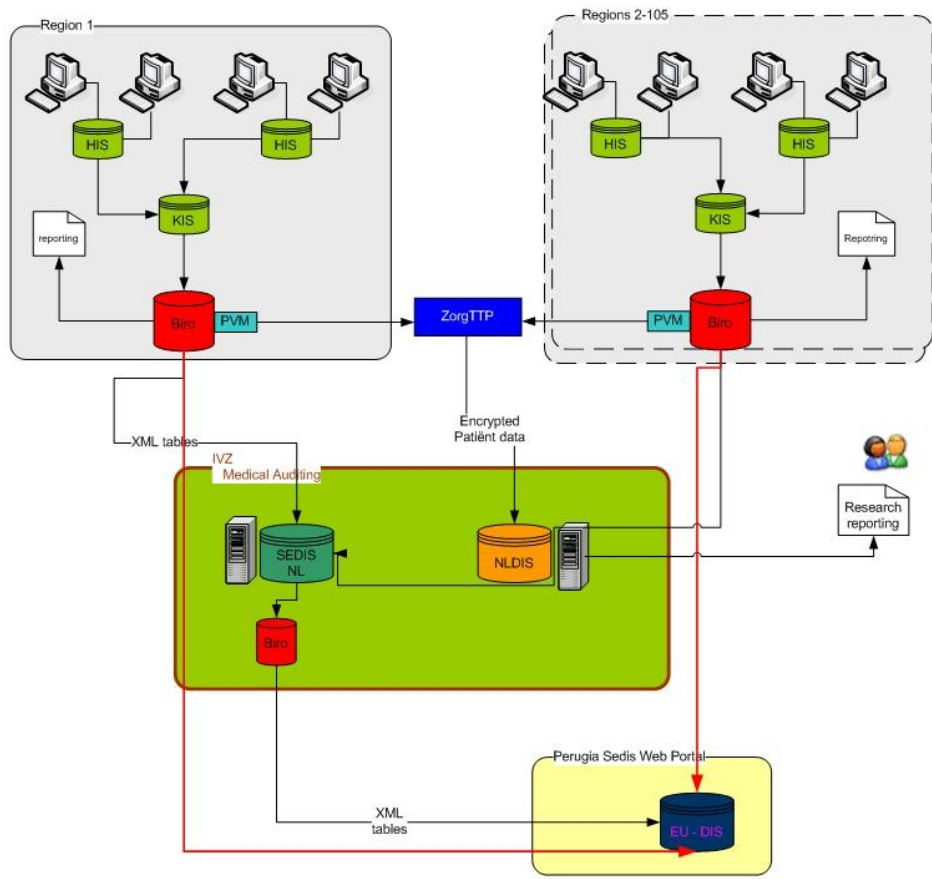
Output example: (complications after surgery)





IVZ

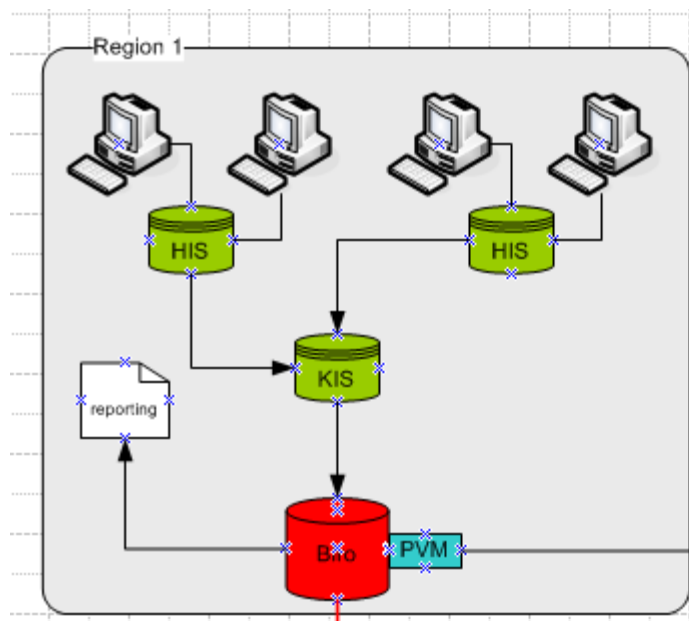
Dataflow Dutch Diabetes Database



His: Local General Practitioner IS
 KIS: Regional IS, group of specialized Diabetes Practitioners
 PVM: Privacy Module

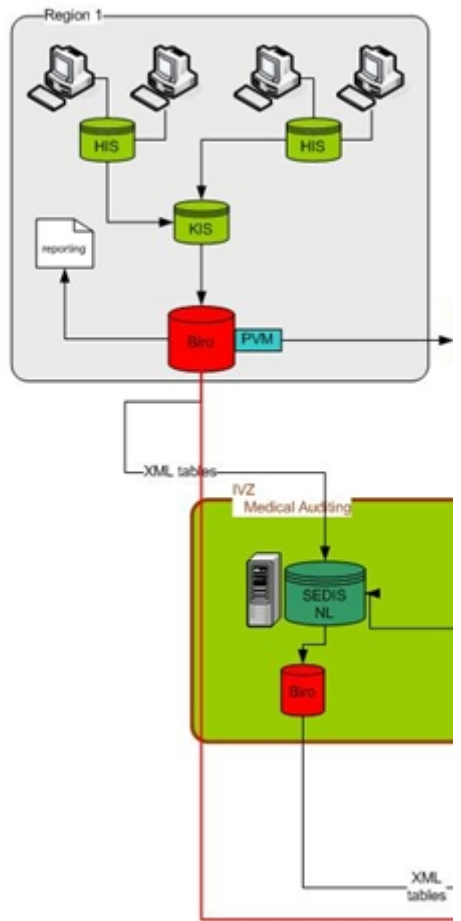


Implementing regional BiroBox > 100





Central database Netherlands

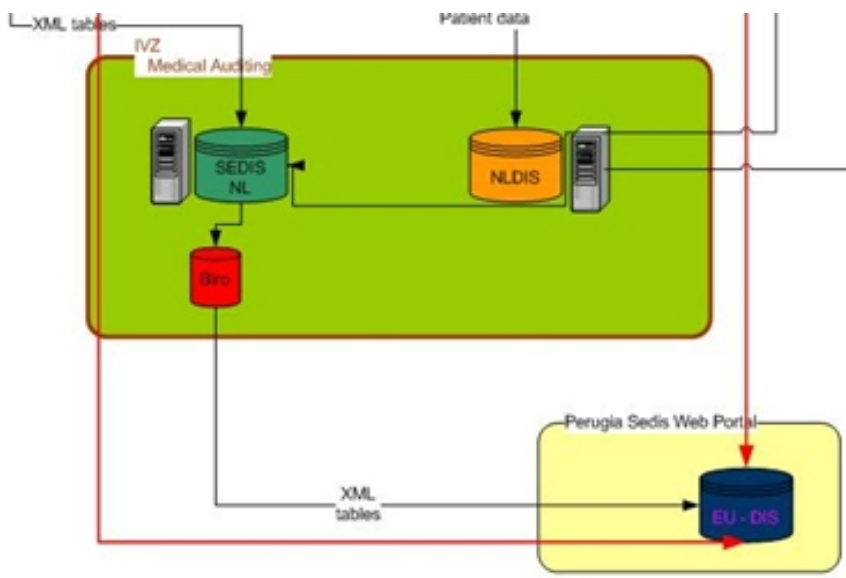




IVZ

72,2	73,5	27,8	12,0	11,7	26,3	78,2	78,6	30	15,3	9,6	23,5
73,9	78,6	30	15,3	9,6	23,5						

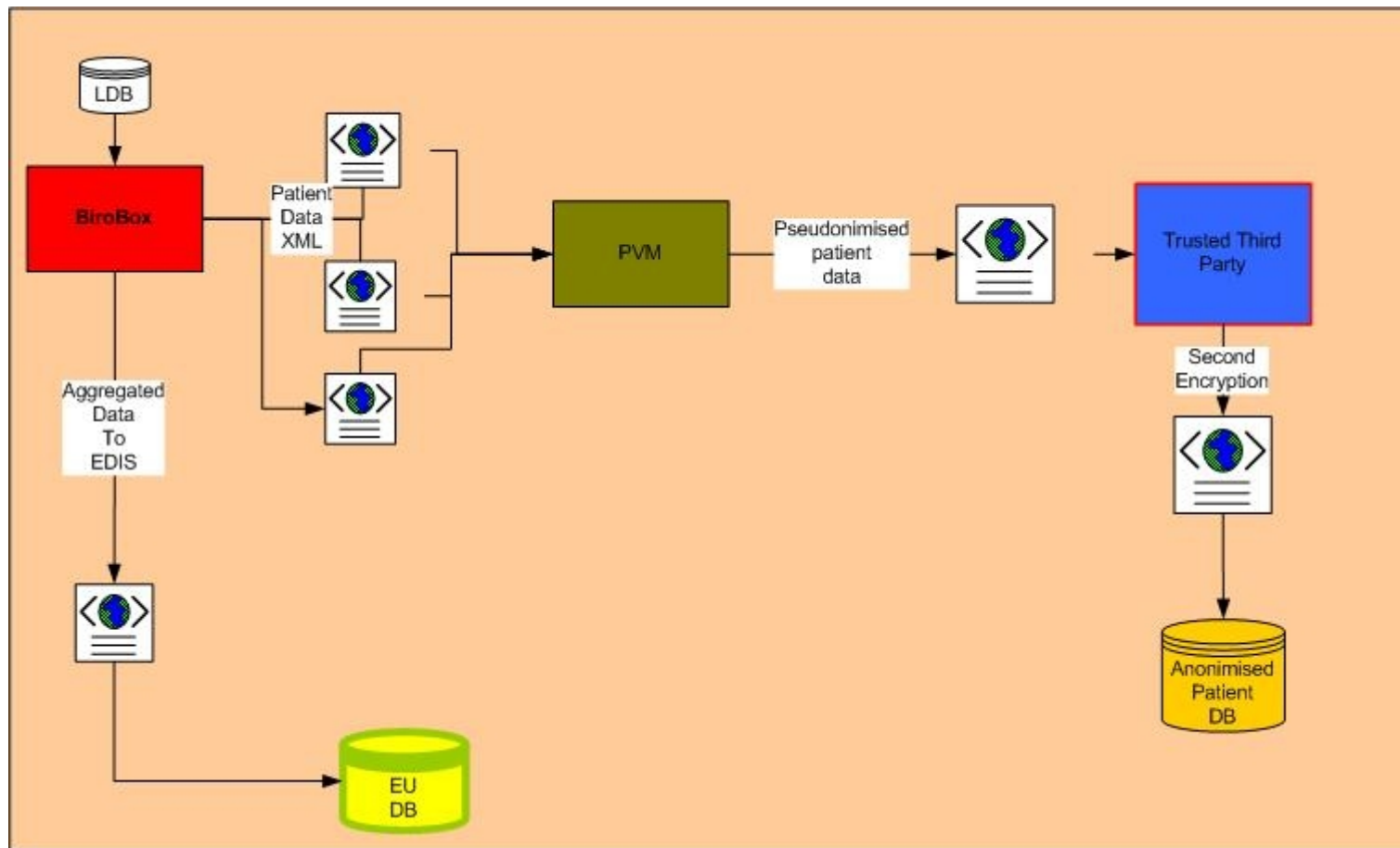
Delivery to European DIS





IV7

Implementing patientbased national database





IVZ

Example GUI-Privacy module

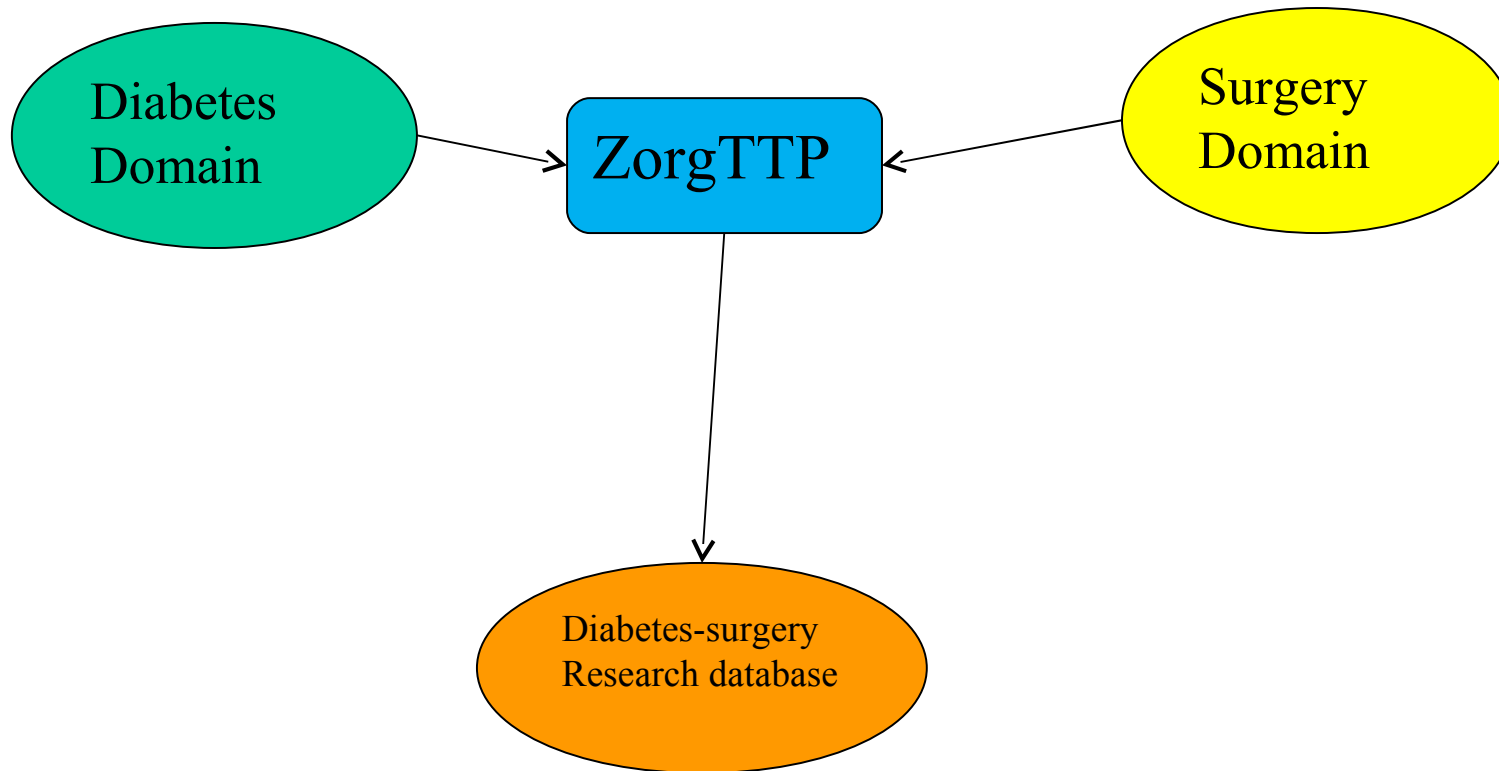
The screenshot shows a software window titled "PVM DSCA 102". The main area has a blue background with the text "PVM DSCA" and "Controleer en verzenden XML bericht". In the top right corner, there is a logo for "ZorgTTP Privacy & Vertrouwen". Below the main text, there are two input fields: "Locatie bronbestand" and "Verslag controle". To the right of each field is a button: "Zoeken" and "Bekijken". At the bottom of the main area, there are three buttons: "Configuratie", "Annuleer", and "Start". A status bar at the very bottom contains the following information: "ZorgTTP", "DSCA", "XML-bericht", "1.02 (25-06-2009)", "Steven Boonzajer", "scherm 1/1", "15-10-2009", and "09:51:51".



IV7

72,2	73,5	27,8	12,0	11,7	26,3	78,2	78,6	30	15,3	9,6	23,5
72,9	78,6	30	15,3	9,6	23,5						

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

Service desk 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

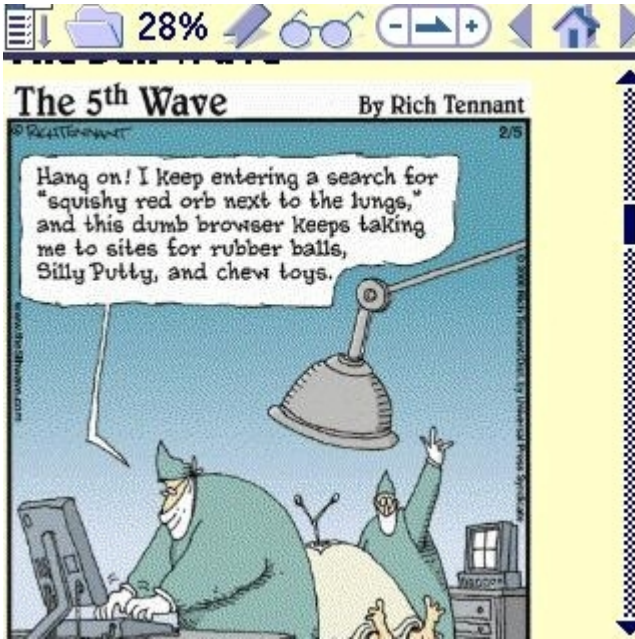
Geographical output





IVZ

72.2	73.5	27.8	12.0	11.7	26.2
73.9	78.6	30.1	15.3	9.6	5.5



Thanks for your attention

Questions?