



NORIP Data base

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Relational data base

- Tables
 - data in spreadsheet format
 - fields and records
 - links (relations) between fields in different tables
- Queries
 - extracting data from tables



Microsoft Access

- Tables
 - easy data import functions
- Queries
 - very easy and well functioning
 - tables: Create - add to - update - delete
 - mean, s, min, max, etc
 - cross table queries
 - copy/paste to Excel spreadsheet/
export for further data analysis
- Forms
 - Interface to user
- Reports
 - Presentation of data



NORIP tables

- Component information
- Method description (Labquality)
 - Instrument producer
 - Instrument name
 - Method group
 - Method name
- Lab data
 - Lab information
 - Method information
 - Person information
 - Person analytical data
 - Control analytical data



Lab data

- Lab no
- Lab type
- Lab name
- Street address
- Zip
- City
- Country
- Contact person
- Phone, fax, E-mail
- Collection tubes (serum, plasma, buffy-coat)
- Comments



Method information

- Lab no
- Component no
- Method group no
- Method name no
- Instrument producer no
- Instrument name no
- Slope
- Intercept
- Unit
- Unit factor
- Comment



Instruments used

Of 664 methods reported:

- Hitachi/Modular: 28.9%
- Cobas: 25.0%
- Vitros: 22.7%
- Beckman: 7.8%
- Konelab: 6.8%
- Bayer: 5.0%
- Rest: 3.8%



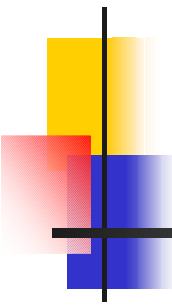
Person information

- Person no
- Age
- Gender
- Height
- Weight
- 1. day of last menstrual period
- Nordic origin (Y/N/NA)
- Race (Asian/white/black/other/NA)
- Resident in Nordic countries
- Diabetes with 1.st deg. relatives (Y/N)
- Chronic disease (Y/N/NA) - if Y, specify



Person information, cont...

- Contraceptive pills (y/n/na) - if y, specify
 - Medication (y/n/na) - if y, specify
 - Physical activity (y/n/na)
 - Tobacco consumption (0, 1-5, >5 per day)
 - Alcohol consumption (0, 1-21, >21 per week)
 - Blood donor (y/n/na), if y, how many
 - Last meal (hours)
 - Collection date
 - Collection hour
 - Lab no collecting
 - Lab no analysis
 - Comments
- No of persons in database: 3036



Control analytical data

- Lab no
- Component no
- Date
- Series no
- Control
- Result



Person analytical data

- Lab no
- Person no
- Exclusion indicators
 - person, control, duplicate, material, enzyme, fasting (gluc., trig), phys. Act. (CK), other
- Material (serum/plasma)
- Fresh/thawed
- Date of analysis
- Series no
- Component no
- Result



Number of records

- Total analytical data: 201.261
- Person data
 - Total: 127258 (63%)
 - Serum, thawed: 49%
 - Serum, fresh: 16%
 - Plasma, thawed: 12%
 - Plasma, fresh: 23%
- Control data (37%)
 - Total: 74003



Hematology

- Tables

- Analytical data

- Lab no
 - Person no
 - Exclusion indicator
 - Dilution factor
 - Date
 - Series no
 - Component no
 - Instrument name no
 - Result
 - Comment

- Instrument name description



Data base future

- Request of data
 - Anonymity (geography?)
 - All other data can be requested according to NOBIDA (NFKK) guidelines
- New data
 - Future analytical data for other components from reference samples will be registered in NORIP data base