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Prevention and Control
Republic of Latvia

Latvian Diabetes Register

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About the Register

- Diabetes Register (Register) was set up in 1997;
- web-based and a part of Register for Patients with Particular Diseases, maintained by CDPC since 2008;
- the Register works on the framework of Cabinet of Ministers Regulation No 746 accepted on 15th of September, 2008;
- data providers - endocrinologists and/or general practitioners;
- new diabetic patients and annual update for each patient



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Information included in a patients registration form (since September 2014)

- **personal data** – patient’s name, surname, personal identity, nationality, residence;
- **data about diagnosis** - diagnose code ICD-10, year when diagnosis is testified, year when oral drug therapy is started, year when insulin therapy is started;
- **annual clinical examination and analysis** - weight, height, BMI, waist circumference, blood pressure, HbA1c, high density lipoproteins (HDL), low density lipoproteins (LDL), triglycerides, creatinine, albumin-urea test, glomerular filtration rate;
- **examinations and complications** - eye examinations, foot examination, lower extremity amputations, end stage renal diseases, cardiovascular diseases;
- **theraphy** - diet only, oral drug therapy, insulin.



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System PREDA (IT solutions)

- Special data entry software – system PREDA (**P**atients **R**egister **D**ata)
- System PREDA consists of:
 - ✓ PREDA data base – MS SQL 2005 data base;
 - ✓ PREDA – data input system;
 - ✓ XML WEB service – access layer – system public interface;
 - ✓ PREDA Security – Security administration program;
 - ✓ PREDA Report – data analyses system



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Data quality control

- data input controls in the Register (classifications, validation between fields, mandatory fields, etc.);
- CDPC Register data Quality Check Plan;
- linkage with Population Register and Death Causes Register;
- annual comparison with National Health Service's (NHS) databases – Payment System for Remuneration of Medicines (since 2009), database of State Paid In-patient Services (2012-2014)



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Data dissemination

- annual data reports in a CDPC web page;
- Statistical Yearbook of Health care in Latvia;
- data for other state institutions for policy planning and evaluation, for publications;
- data requests for students' theses, scientific publications, conference presentations, etc.



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International collaboration

- Data for HFA database, EUROSTAT;
- OECD, HCQI expert group;
- EURIBOROD/ EUROBIROD Network



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Thank you for your attention!