



Slimību profilakses un
kontroles centrs

State of the art of diabetes information in Europe: snapshots from Latvia

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Disclosure

- Relevant Financial Relationship

None

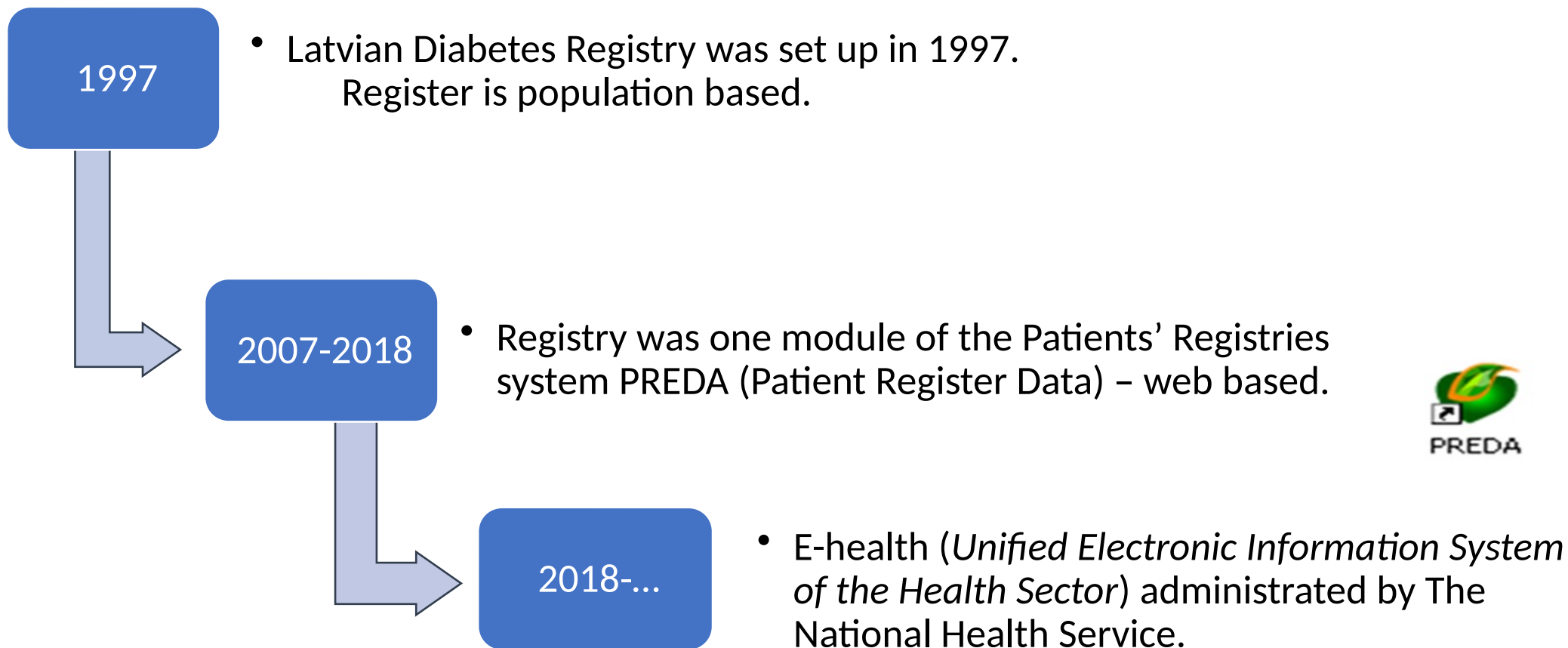
- Conflict of interest

None



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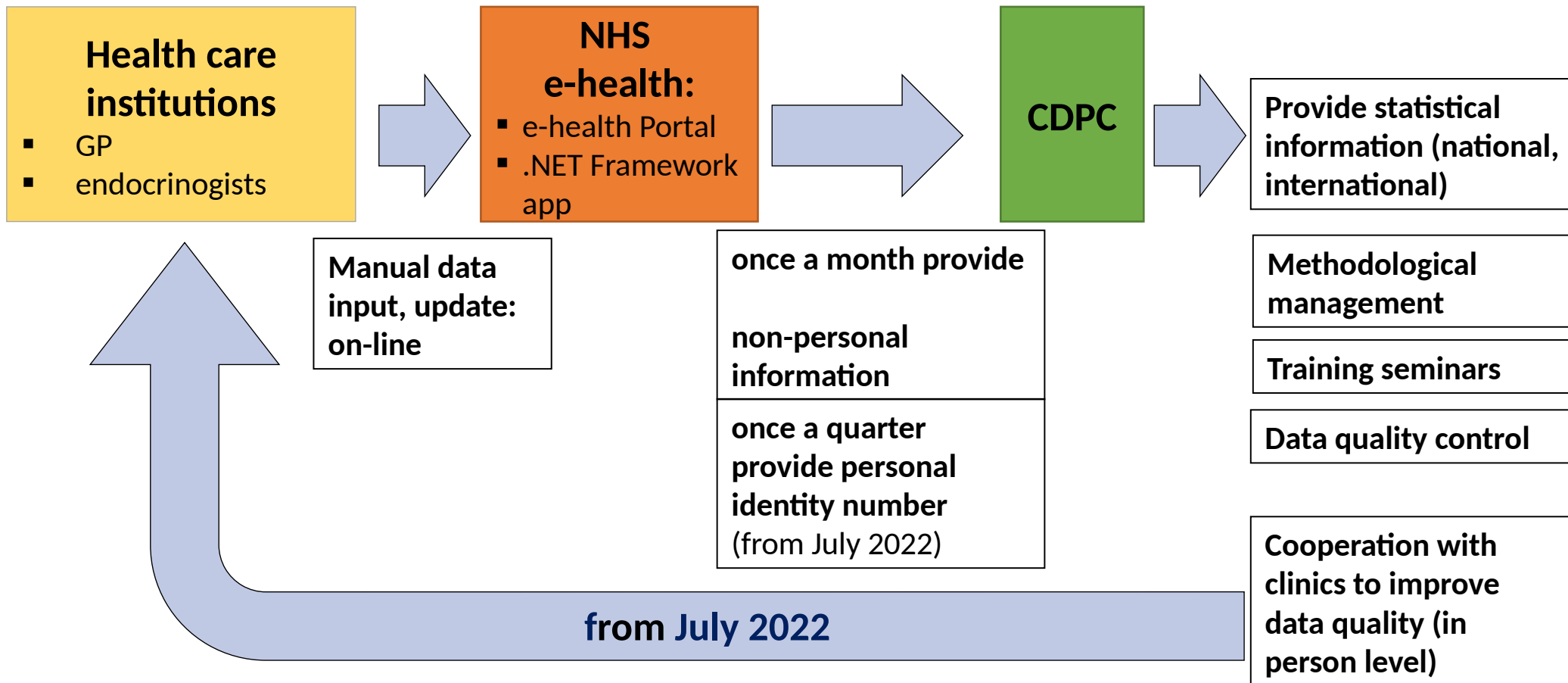
Register background





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Data flow in e-health





Diabetes patient registration form

Personal data

- PID
- Name, surname
- Sex
- Nationality
- Date of birth
- Residence

Data about diagnosis

- Diagnosis (ICD-10)
- year when diagnosis was confirmed
- year when oral drug therapy was started
- year when insulin therapy was started

Patient membership

- self-monitoring (yes; no)
- glucose check up per week
- diabetes specific education
- training skill implementation

Annual clinical examination and analyses

- Weight, Height, BMI
- waist circumference
- blood pressure
- HbA1c
- high density lipoproteins (HDL)
- low density lipoproteins (LDL)
- Triglycerides
- Creatinine
- albuminuria
- glomerular filtration rate

Annual examinations and complications

- eye examinations
- foot examination
- lower extremity amputations
- end stage of chronic renal disease
- cardiovascular diseases

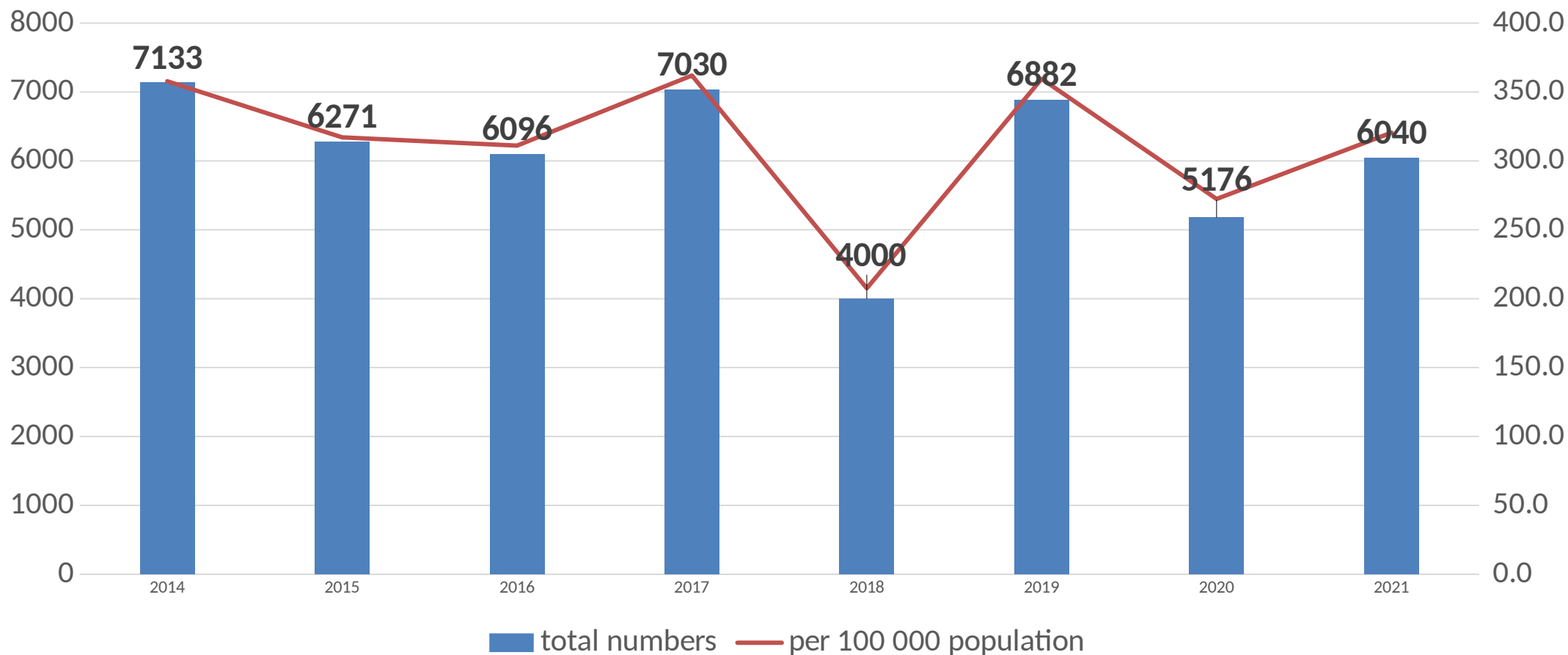
Therapy

- diet only
- oral drug therapy
- Insulin therapy
- Combined therapy



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Diabetes incidence in Latvia



Data source: Register of Patients with Particular Diseases, Patients with Diabetes (Latvia).



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Diabetes prevalence in Latvia

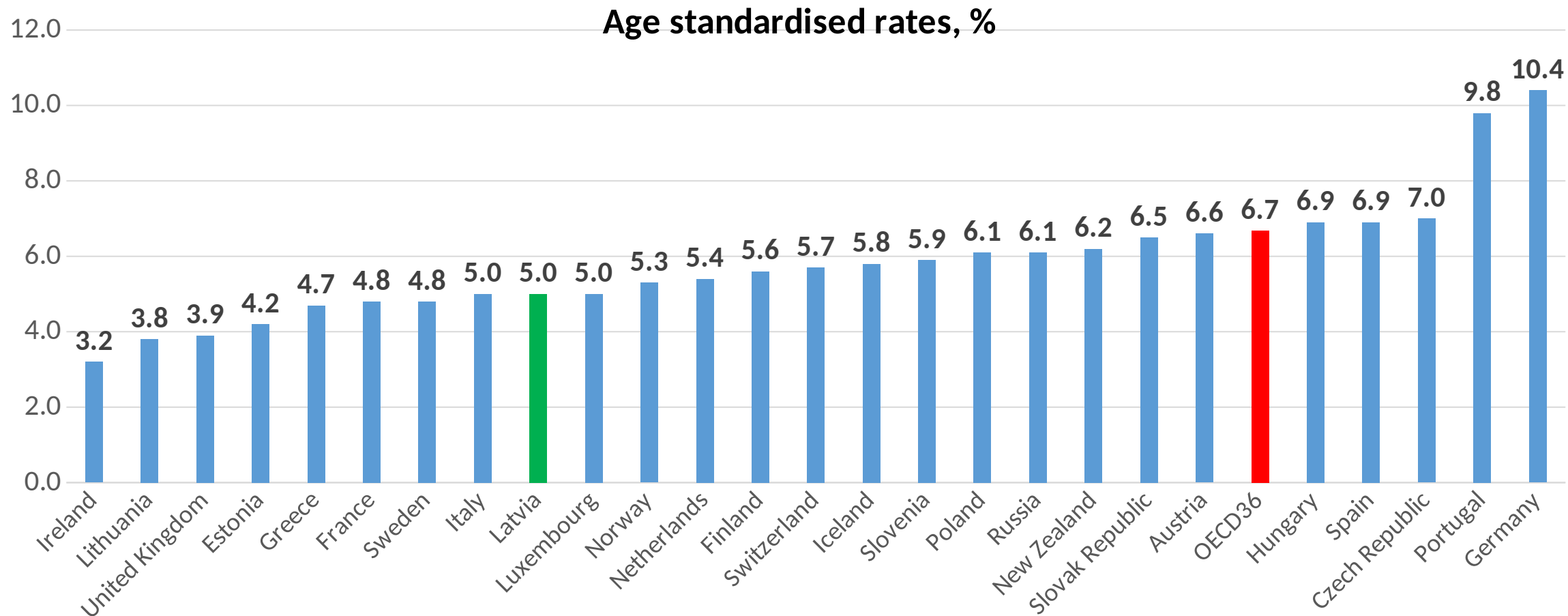


Data source: Register of Patients with Particular Diseases, Patients with Diabetes (Latvia).



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Type I and II diabetes prevalence among adults, 2019 (or nearest year)

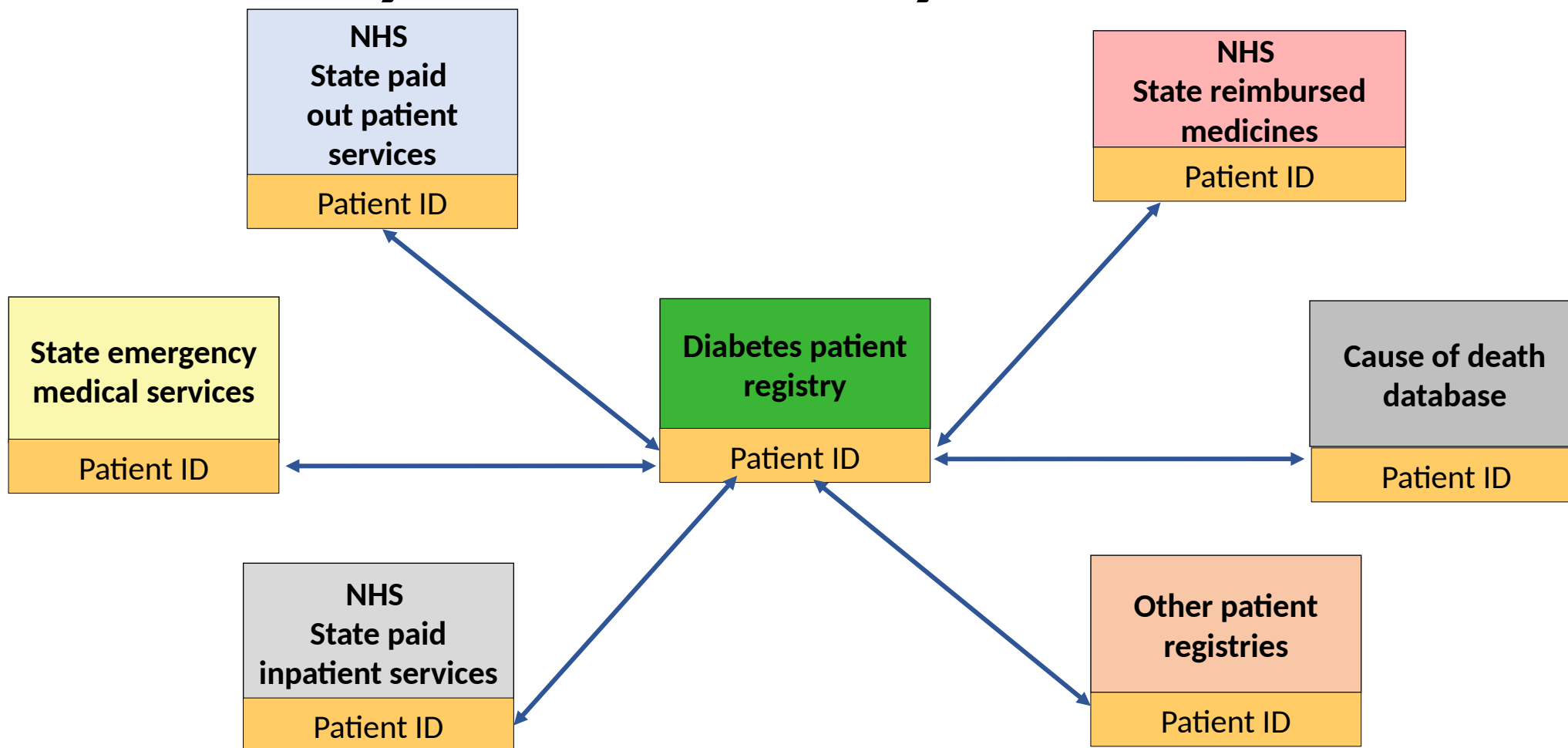


Source: IDF Atlas, 9th Edition, 2019.



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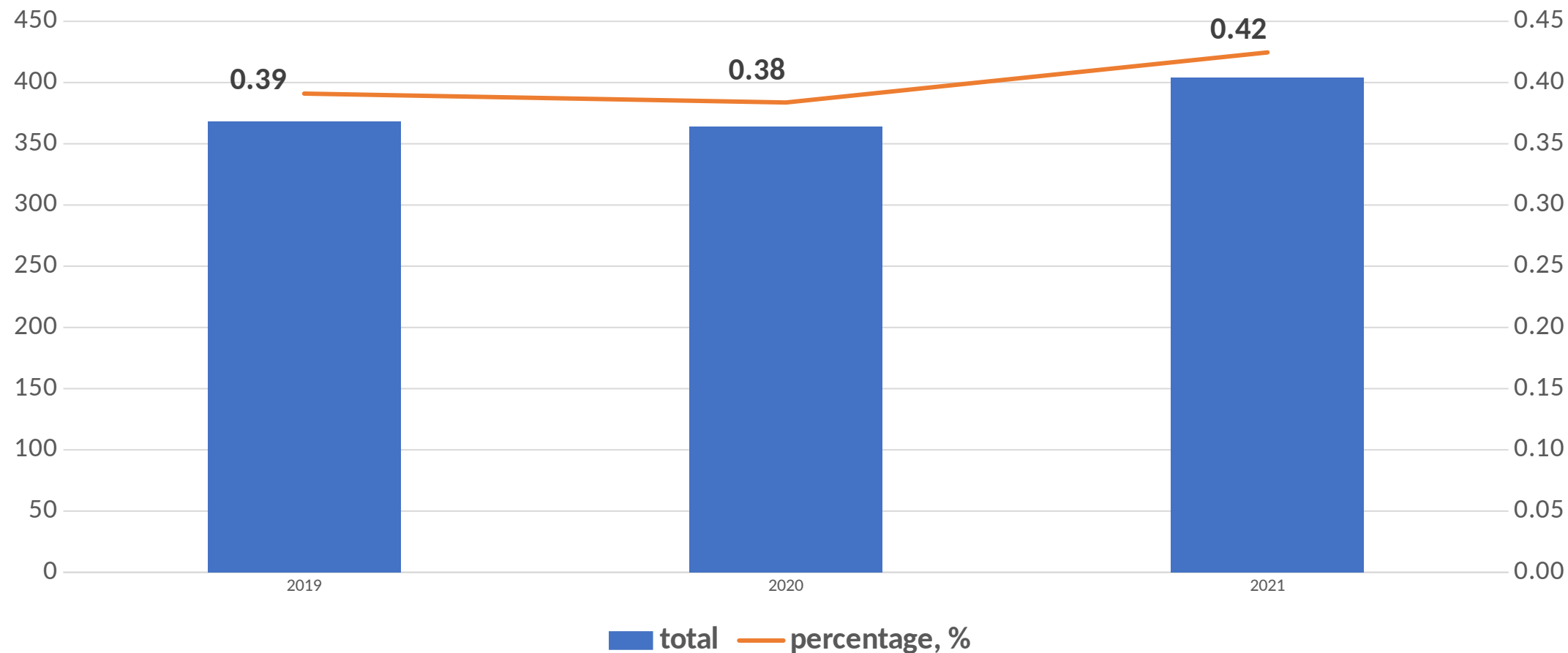
Data linkage - Public Monitoring System for Healthcare Quality and Efficiency





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Patients with chronic renal disease (dialysis treatment, renal transplantation)

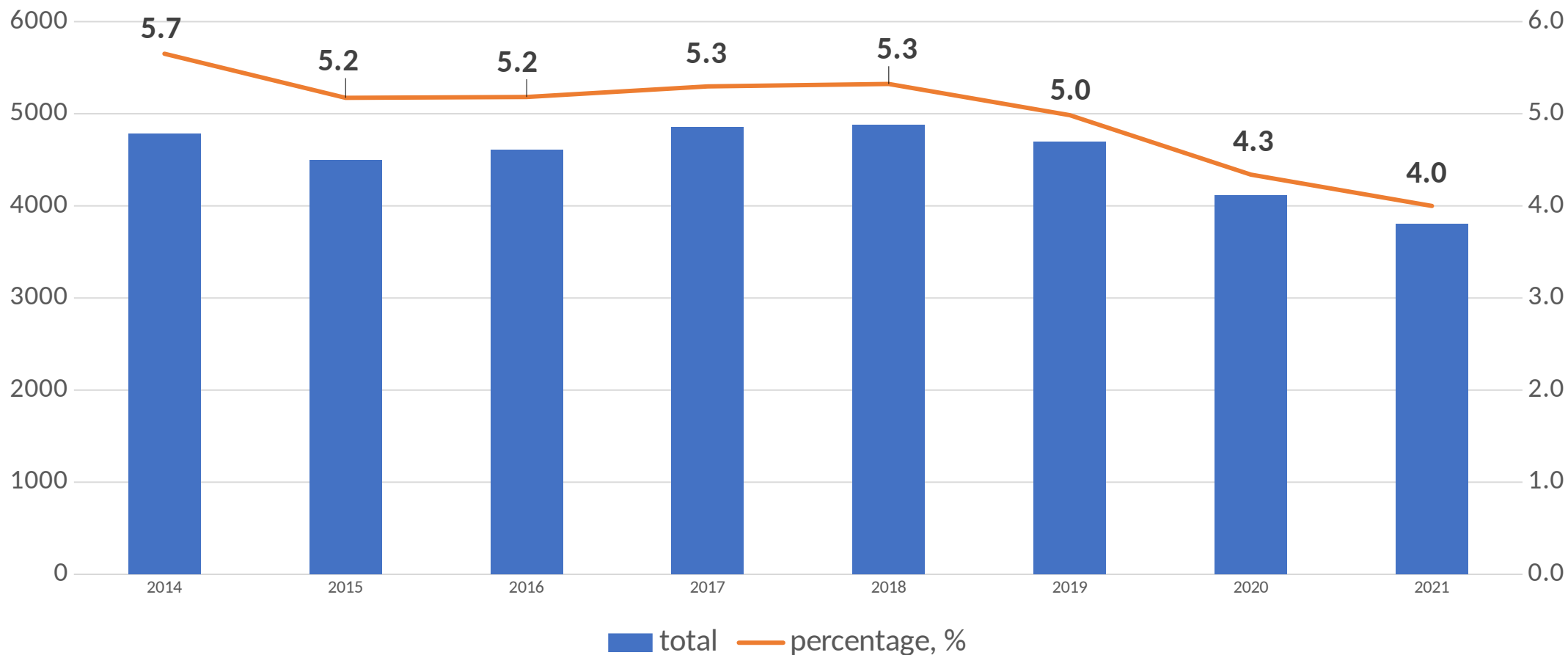


Data source: Public Monitoring System for Healthcare Quality and Efficiency
Register of Patients with Particular Diseases, Patients with Diabetes



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Patients with retinopathy



Data source: Public Monitoring System for Healthcare Quality and Efficiency
Register of Patients with Particular Diseases, Patients with Diabetes



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Dissemination strategies and collaboration

National

- The Ministry of Health
- National Health Service
- Central Statistical Bureau of Latvia
- Professional associations



International

- WHO
- EUBIROD
- OECD HCQI
- Eurostat





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Data availability

Diabetes indicators are publicly available in the [Health Statistics database](https://statistika.spkc.gov.lv/pxweb/en/Health/) on Webpage of Centre for Disease Prevention and Control

<https://statistika.spkc.gov.lv/pxweb/en/Health/>



Veselības statistikas datubāze
Health Statistics Database

Home >> Health Statistics Database

1

Choose table

2

Choose variable

3

Show table

Health Statistics Database

- Health Care
- Health Care Resources
- Incidence and prevalence**
 - Diabetes Mellitus
 - Malignant Neoplasms
 - Injuries
 - Mental and Behavioural Disorders
 - Mental and behavioural disorders due to psychoactive substance use
 - Occupational Diseases
 - Infectious and Parasitic diseases
- Mortality
- Maternal and child health care
- Non-medical determinants of health
- Medical Tourism



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Data availability

Data are available in various breakdowns:

- Incidence / Prevalence:
 - by diabetes type,
 - by region,
 - by gender,
 - by age group.
- Clinical examination results;
- Complications observed in diabetes patients during last 12 months.

CDG011. Diabetes mellitus by gender, age group and region

Select variable

About table

Mark your selections and choose between table on screen and file format. Marking tips

For variables marked * you need to select at least one value

Year *	Region *	Gender *	Indicator *	Age group *
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Total 12 Selected 0	Total 7 Selected 0	Total 3 Selected 0	Total 4 Selected 0	Total 20 Selected 0
2021 2020 2019 2018 2017 2016	Latvia Rīga statistical Region Pierīga statistical Region Vidzeme statistical Region Kurzeme statistical Region Zemgale statistical Region	Total Male Female	Prevalence, total numbers Prevalence, per 100 000 population Incidence, total numbers Incidence, per 100 000 population	Total 0-4 5-9 10-14 15-17 18-19
Search <input type="text"/> <input type="button" value="▶"/>	Search <input type="text"/> <input type="button" value="▶"/>	Search <input type="text"/> <input type="button" value="▶"/>	Search <input type="text"/> <input type="button" value="▶"/>	Search <input type="text"/> <input type="button" value="▶"/>
<input type="checkbox"/> Beginning of word	<input type="checkbox"/> Beginning of word	<input type="checkbox"/> Beginning of word	<input type="checkbox"/> Beginning of word	<input type="checkbox"/> Beginning of word

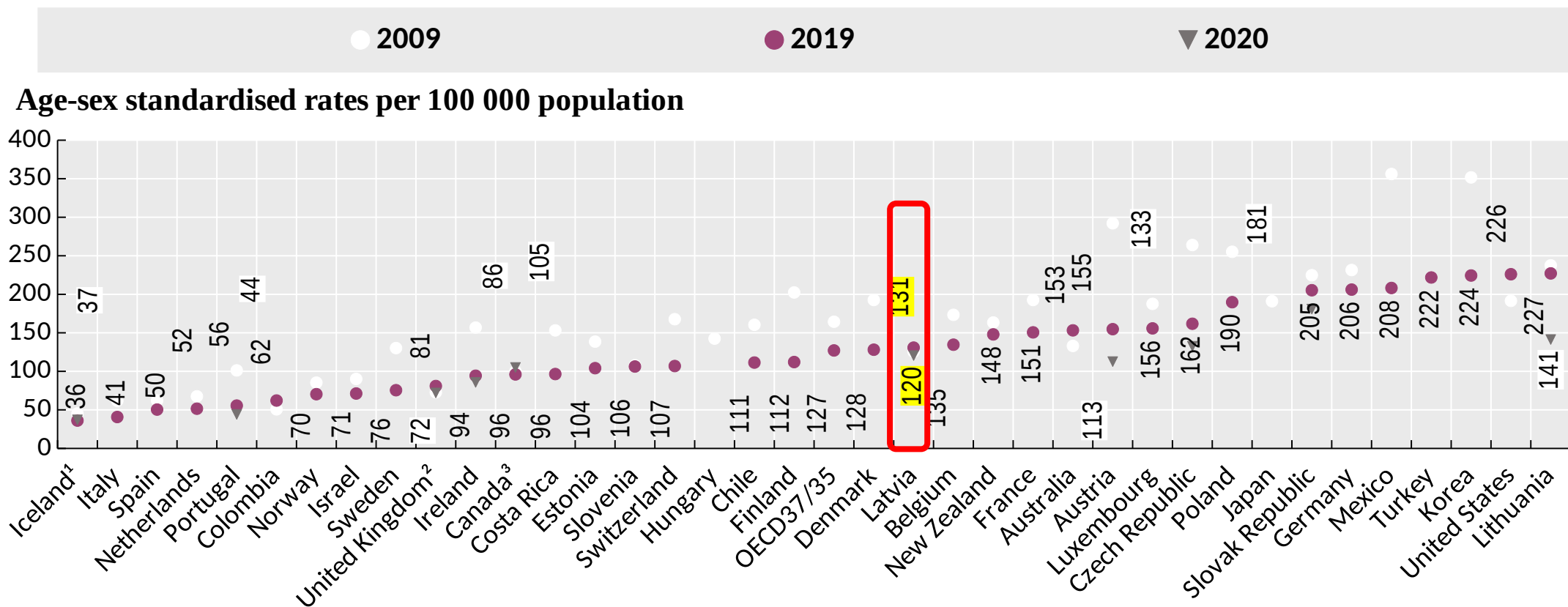
Number of selected data cells are: 0 (maximum number allowed is 1 000 000)

Presentation on screen is limited to 1 000 rows and 50 columns



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Diabetes hospital admission in adults, 2009, 2019 (or nearest years) and 2020

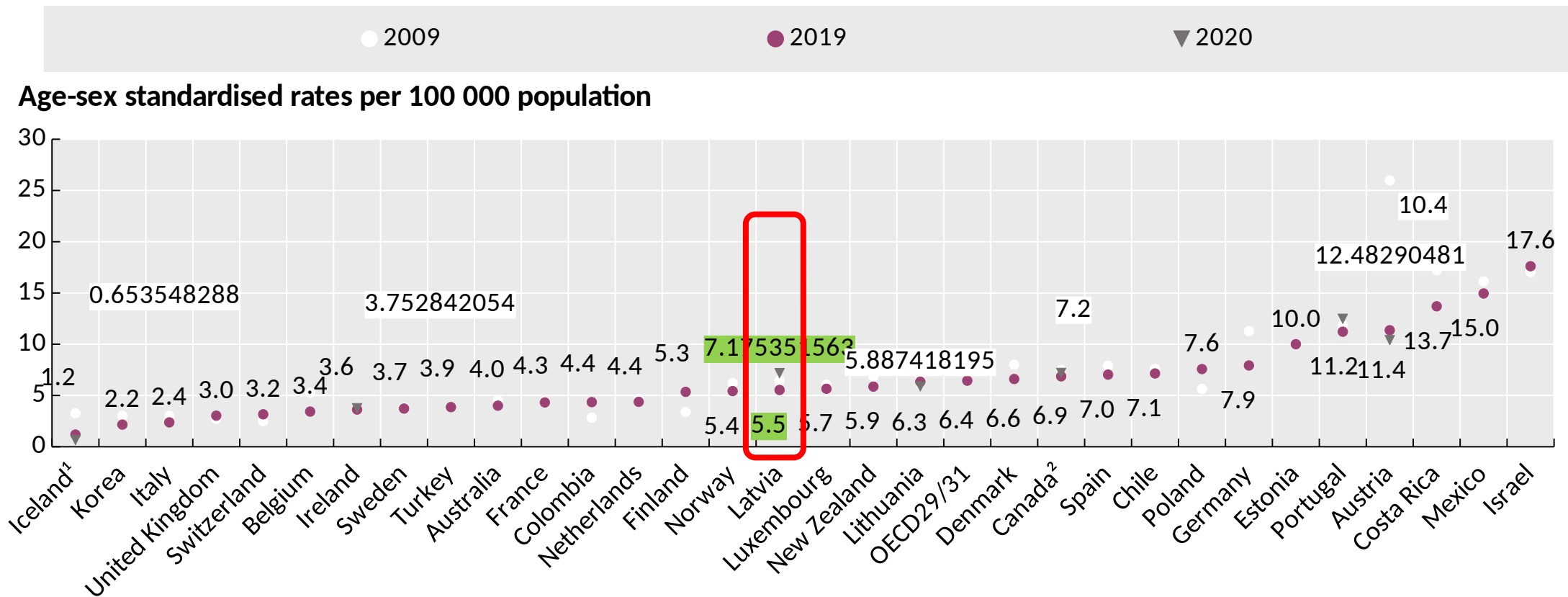


Source: OECD Health Statistics 2021.



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Major lower extremity amputation in adults, 2009, 2019 (or nearest year) and 2020



Data source: OECD Health Statistics 2021.



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Summary

- Good coverage of diabetes patients in the Registry
- Diabetes indicators availability according to national and international requirements
- Data linkage and secondary use of health data



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Thank you!

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