



Overview of statistical indicators and diabetes-related data sources in the KR

5 November, 2024
Bishkek

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ КЫРГЫЗСКОЙ РЕСПУБЛИКИ
ЦЕНТР ЭЛЕКТРОННОГО ЗДРАВООХРАНЕНИЯ при МЗ КР



ЗДОРОВЬЕ НАСЕЛЕНИЯ
И ДЕЯТЕЛЬНОСТЬ ОРГАНИЗАЦИЙ ЗДРАВООХРАНЕНИЯ
КЫРГЫЗСКОЙ РЕСПУБЛИКИ



БИШКЕК

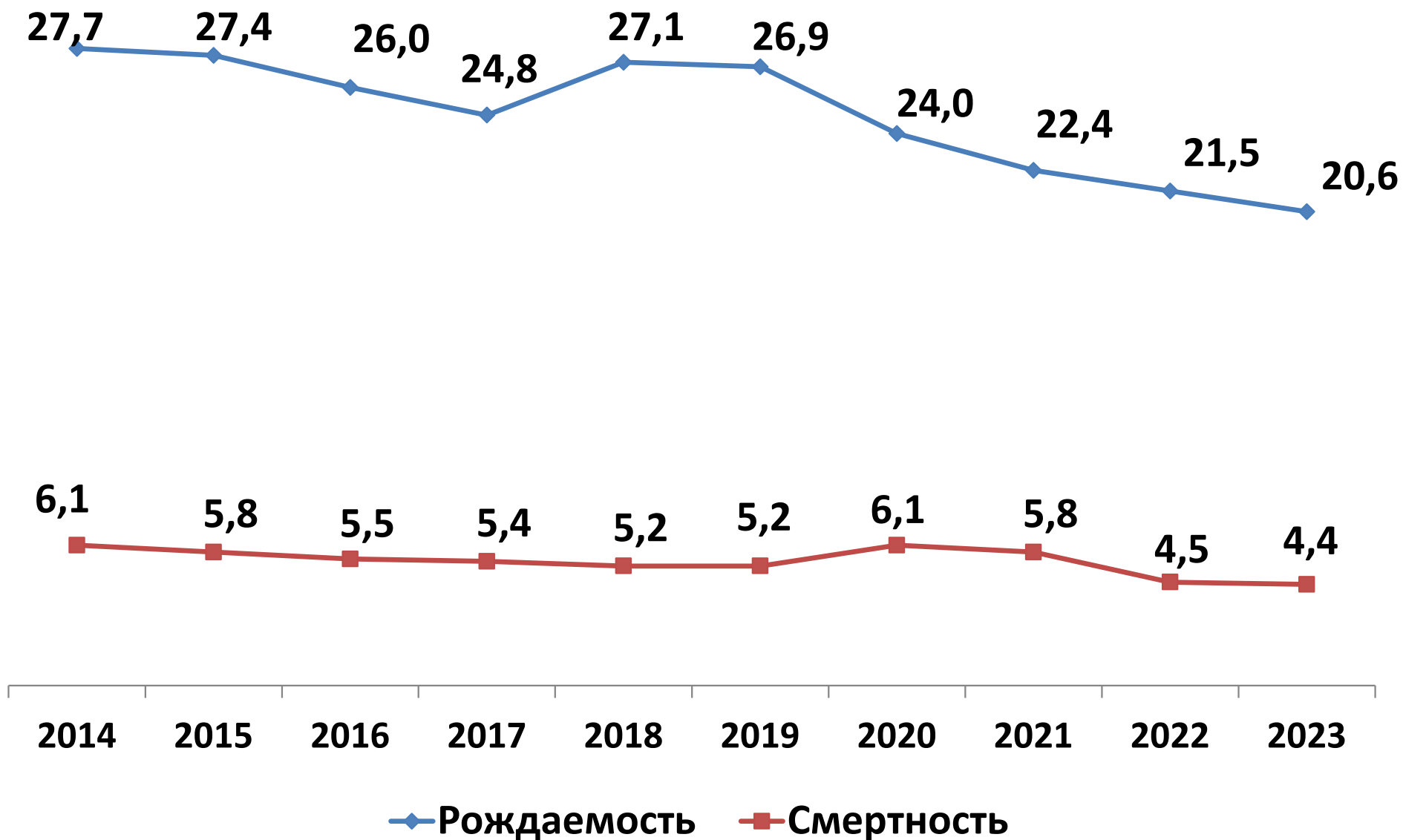
Sources of data on the population health and health care in the Kyrgyz Republic

- Publications, reference books, NSC website (<http://nsk.kg/>)
- Data of health statistics reports, reference-books, website of E-Health Center (<https://cez.med.kg/>);
- Electronic medical cards/databases/registers;
- Data from state statistics agencies (population census/data from current demographic records);
- Data of surveys (large-scale household surveys (MICS)/sample-based);
- Data of studies on risk factors for incidence of non-communicable diseases, including diabetes (STEPS study)
- Research papers, articles in medical journals etc.

Key indicators on the population health and healthcare

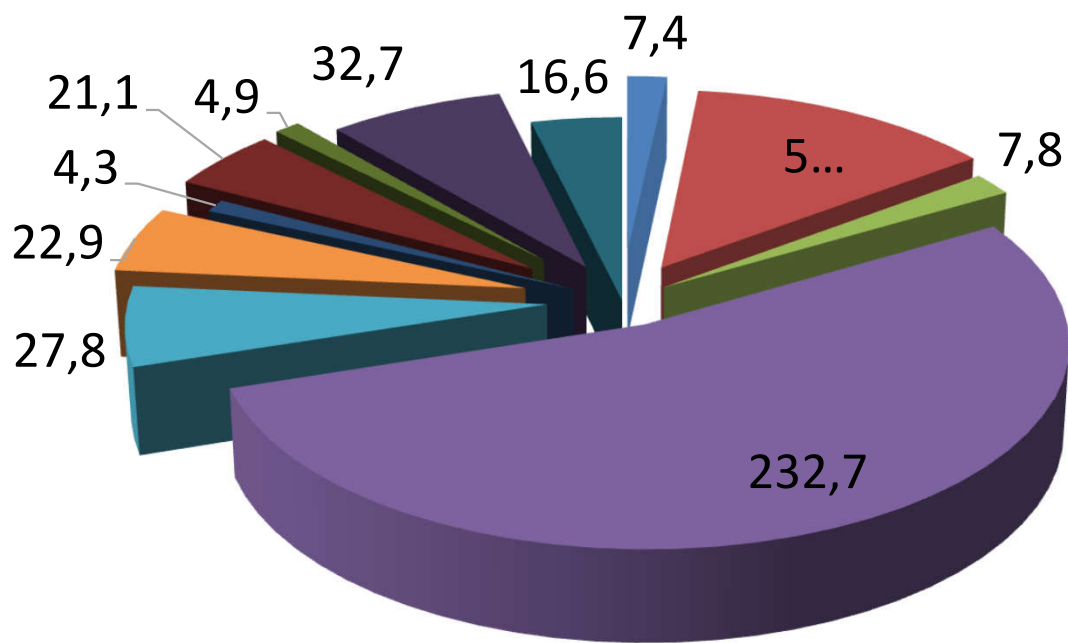
- **Demographics**
- **Key health indicators**
- **Indicators of availability and quality of health services, including healthcare resources**
- **HO performance indicators**

Birth and death rates, KR (per 1,000 population)

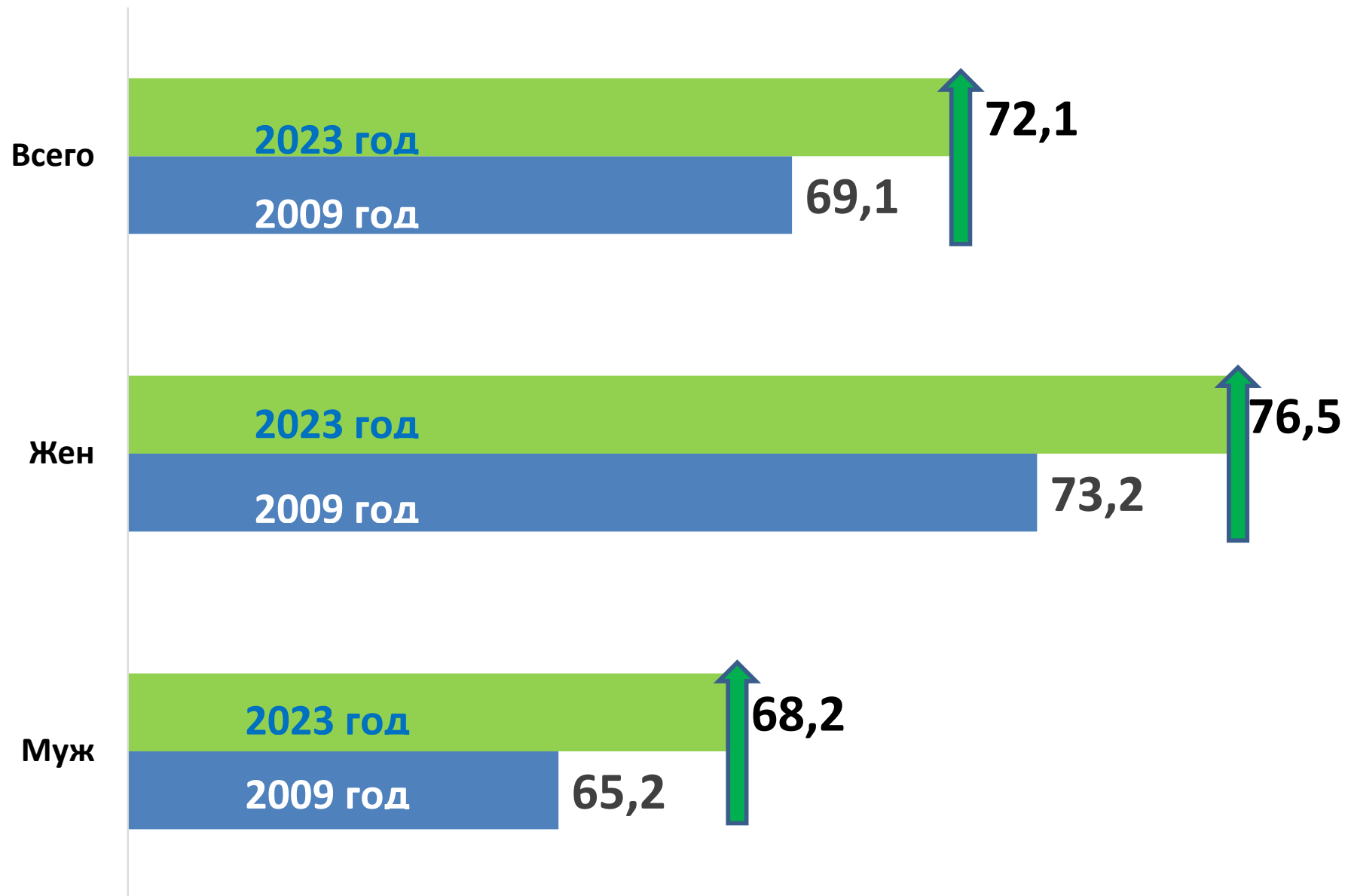


Structure of mortality causes, KR, 2023г. per 100000 population

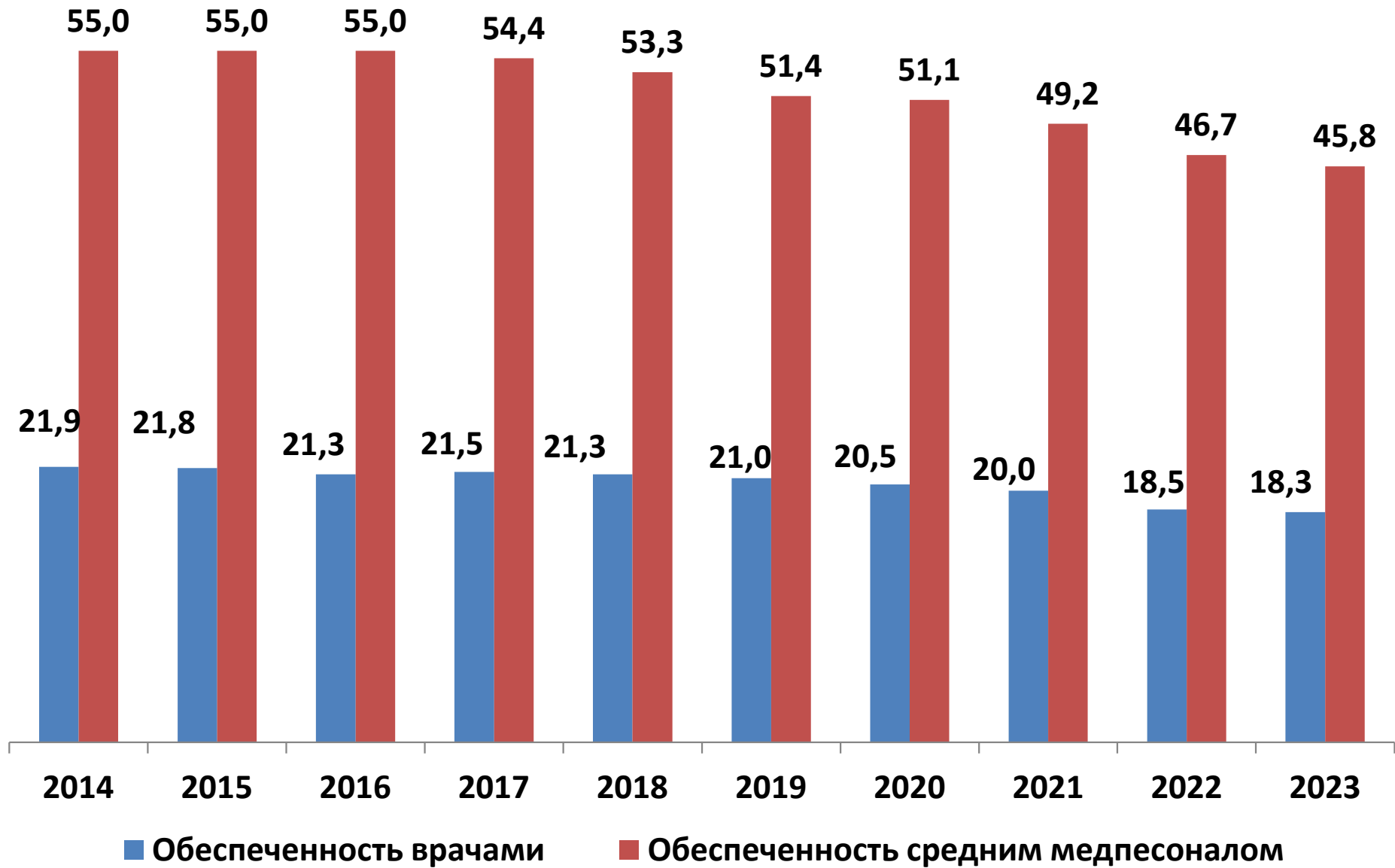
- Инфекционные и паразитарные болезни
- Новообразования
- Болезни нервной системы
- Болезни системы кровообращения
- Болзени оргнаов дыхания
- Болезни органов пищеварения
- Болезни мочеполовой системы
- Состояния, возникающие в перинатальном периоде
- Врожденные аномалии
- Внешние причины смерти
- Прочие



Life expectancy, 2014-2023 (years)



Availability of health human resources, KR (per 10000 population)



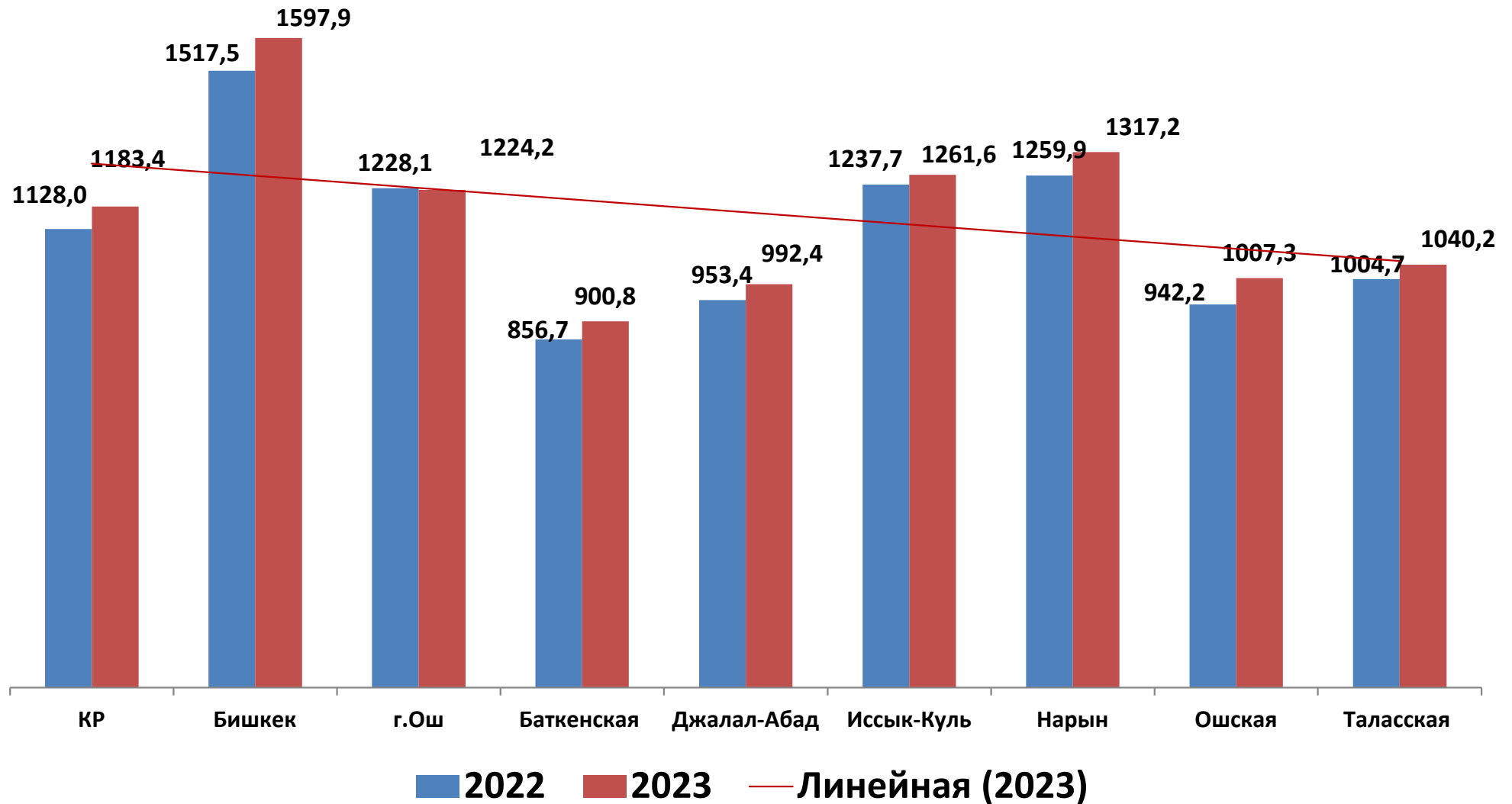
Diabetes Statistics Collection System

- **E-Health Center of the KR MoH collects diabetes-related information using official and departmental statistical reporting forms.**
- **The KR NSC Resolution approves the forms of official statistical reporting (annually):**
 - **Form # 12 “Report on incidence and preventive work”;**
 - **Form # 14 “Report on performance of hospitals”**
- **The KR MoH’ Order approves the forms of departmental statistical reporting:**
 - **Form # 2 zdrav “Report on the prevalence of endocrine pathology”;**
 - **Form # 12 zdrav “Report on the performance of HOs delivering APS”**
 - **Form # 3 zdrav “Report on movement of antidiabetic medicines” (quarterly, annually)**

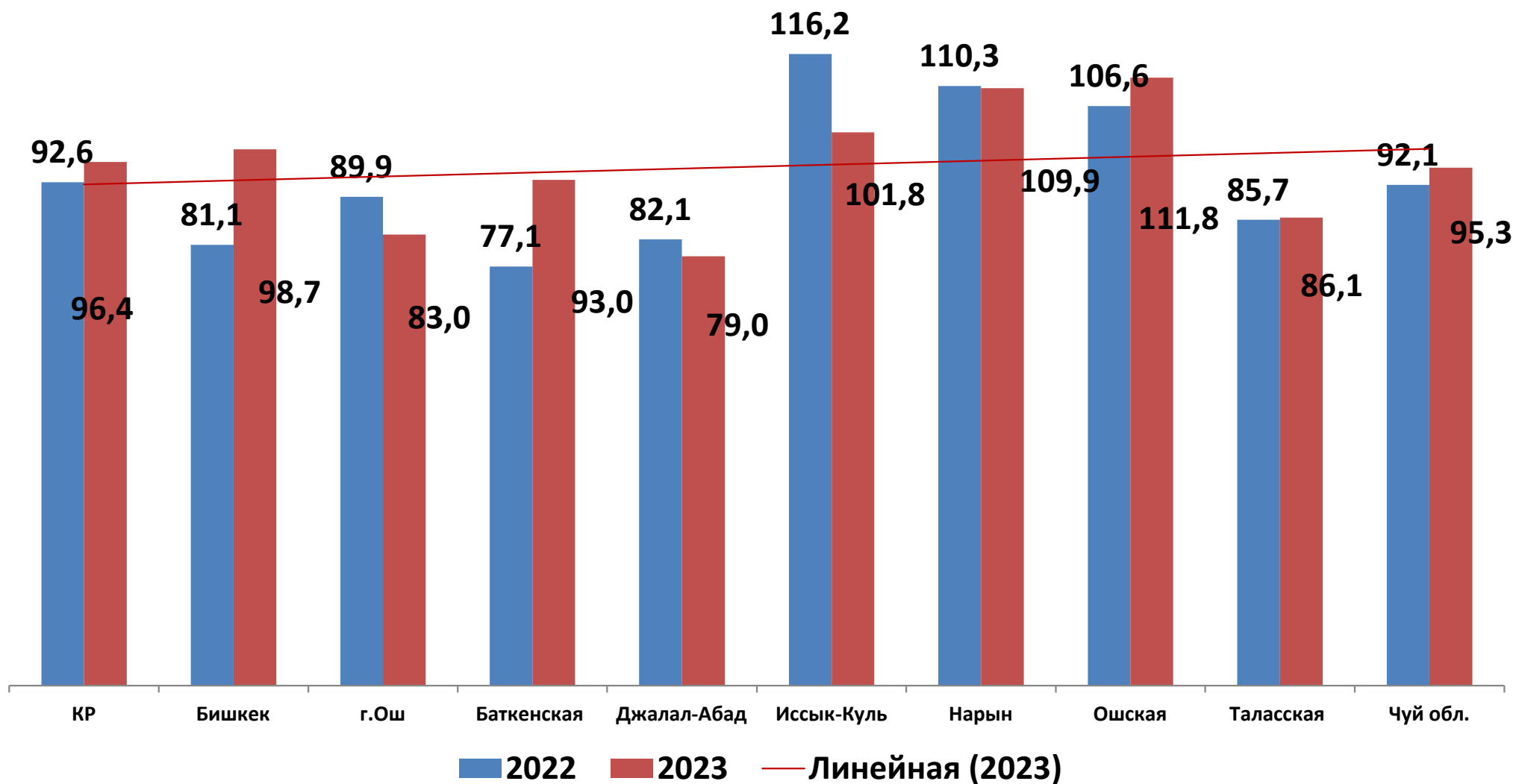
Key figures on diabetes

- **Statistics by group (age, gender)**
- **Prevalence of diabetes**
- **Mortality**
- **Complications**
- **Disability**
- **Hospitalization rate**
- **Indicators of the quality of health services for patients with diabetes: testing for cholesterol, measuring blood pressure, glycohemoglobin, information about people receiving glucose-lowering medicines, etc.**

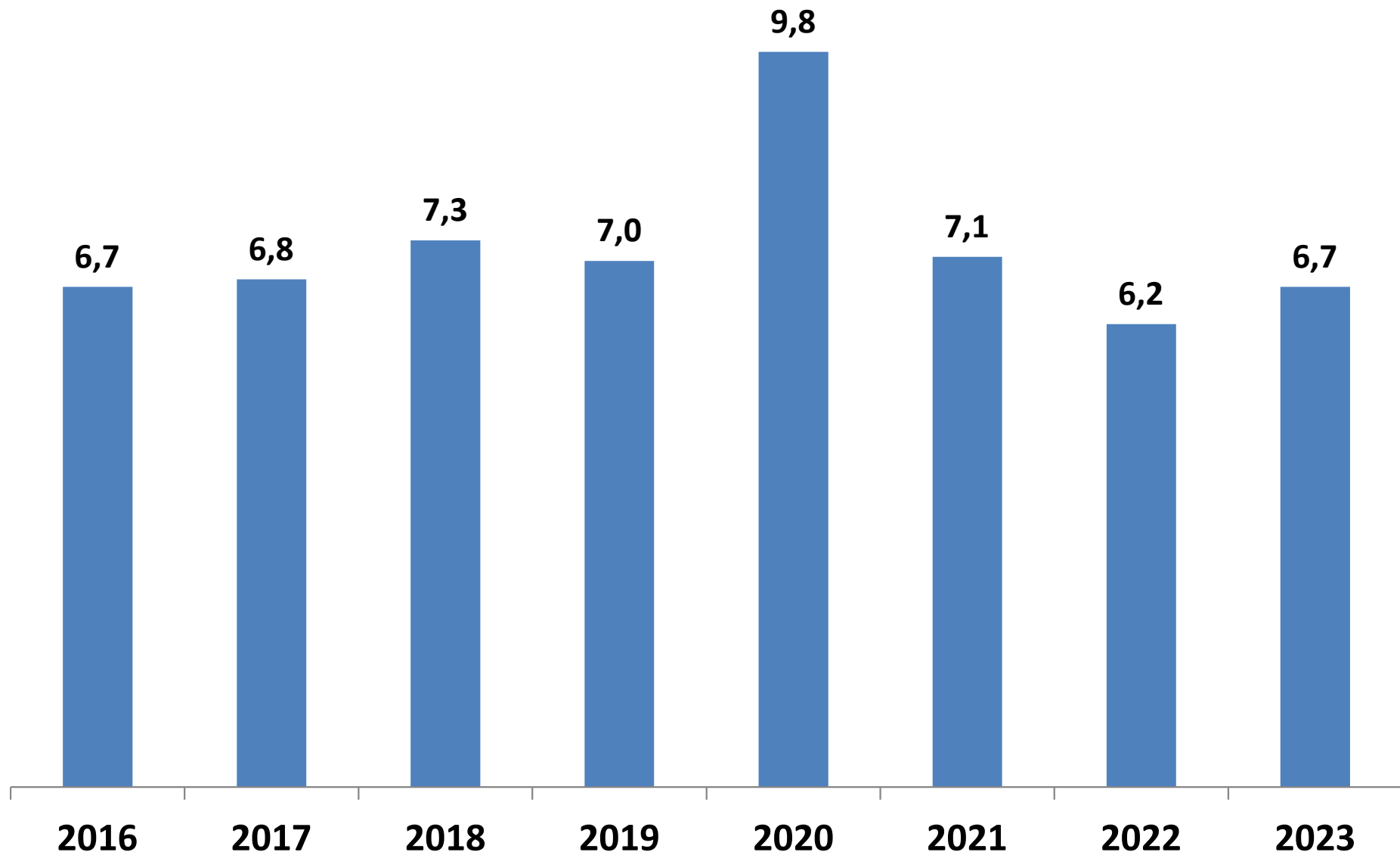
Total number of patients with diabetes, 2022 -2023. (per 100000 population)



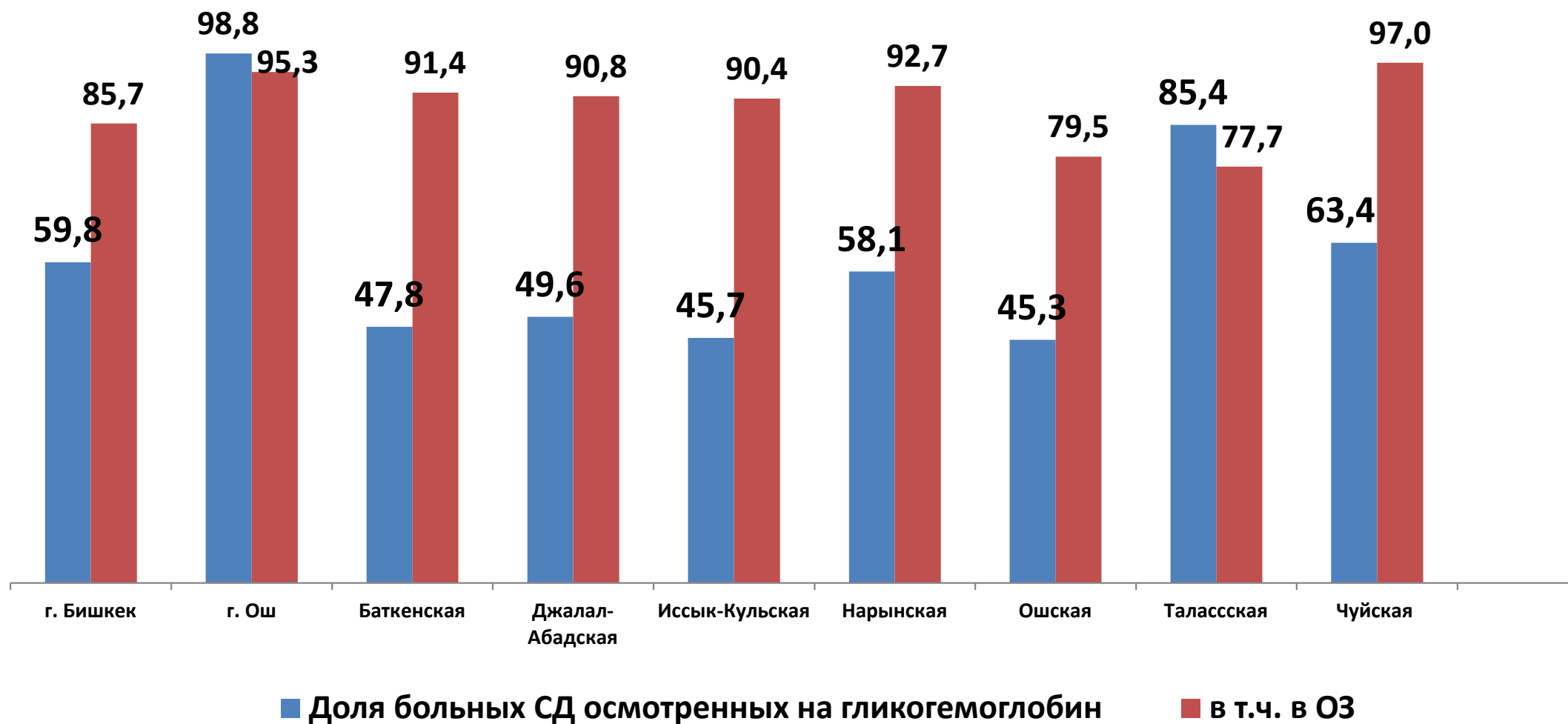
Number of new diabetes cases, 2022 -2023 (per 100000 population)



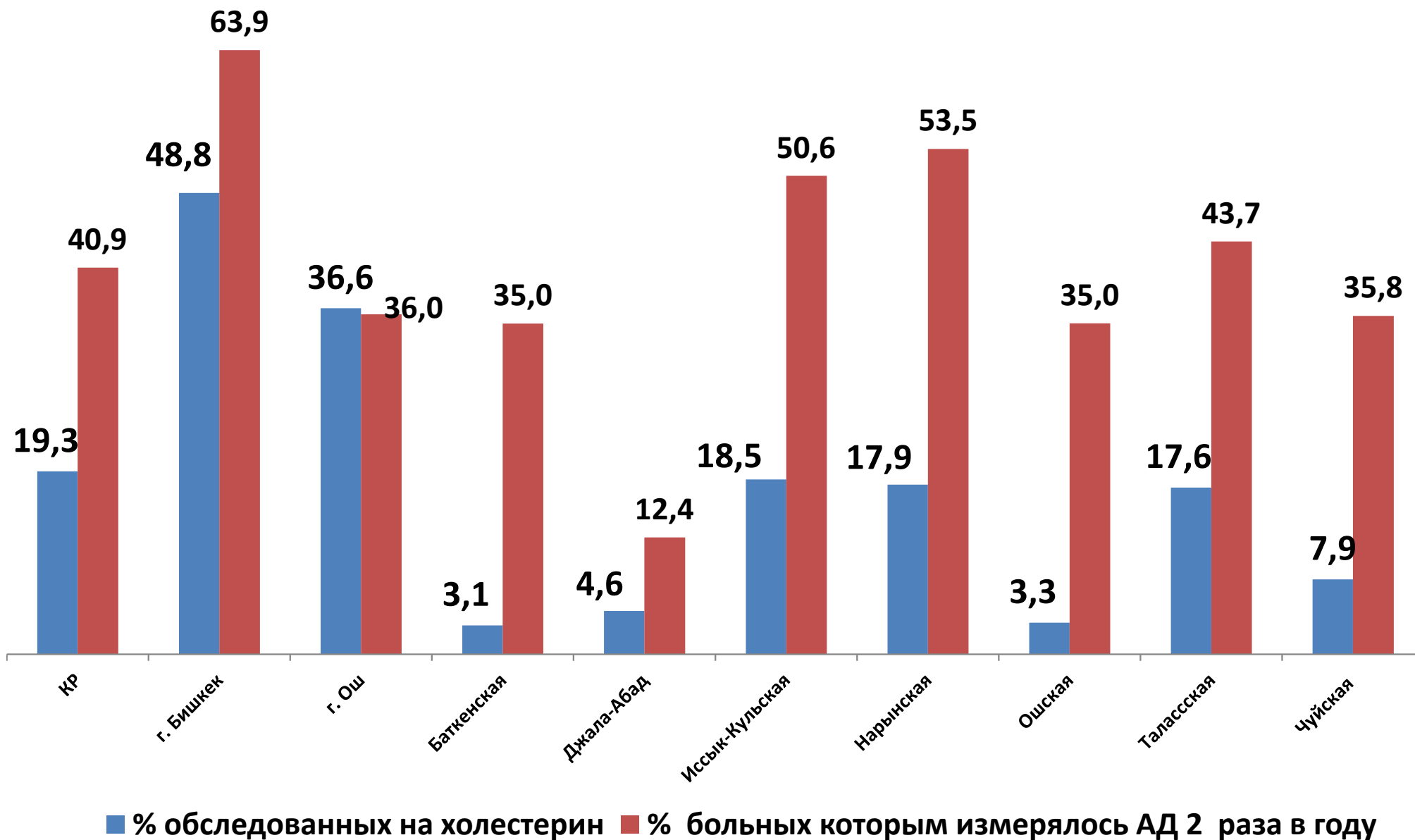
Mortality from diabetes, KR (per 100 000 population)



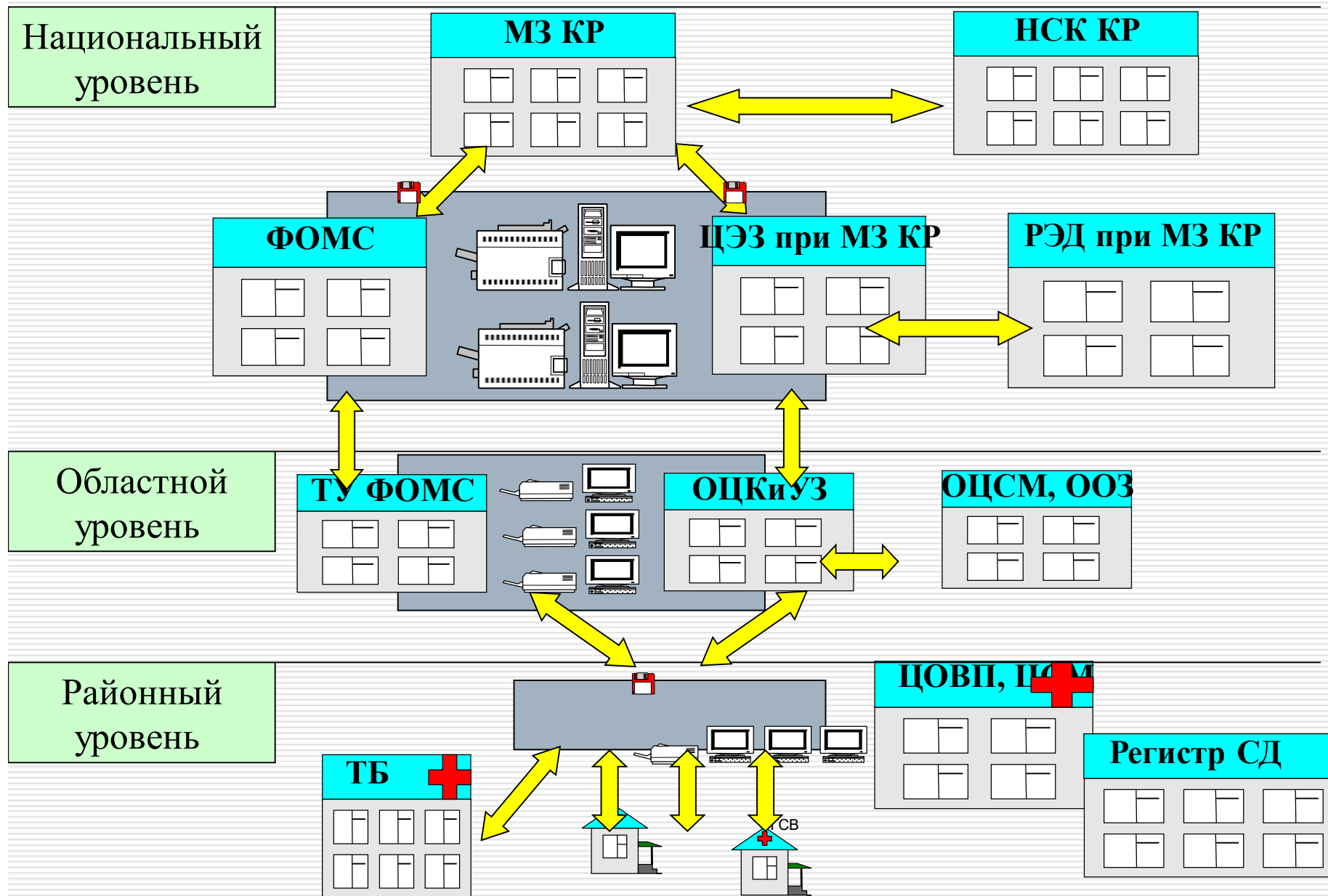
Quality indicators on diabetes: Proportion of patients with diabetes tested for glycohemoglobin (%), 2023



Quality indicators on HTN, 2023



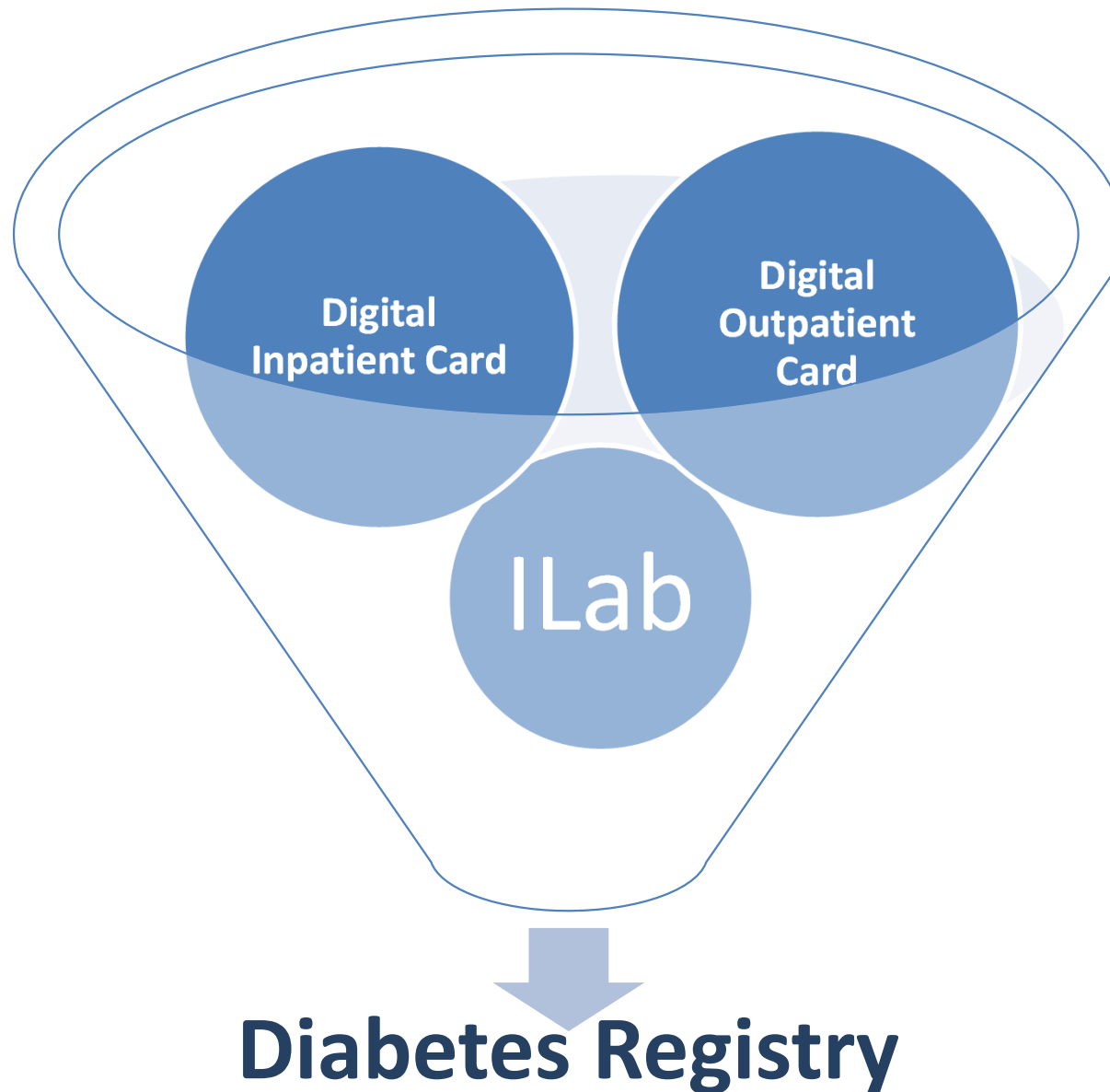
Information flows of statistical information on diabetes in online AIS "Medstat"



"Diabetes Registry" Module

- The methodology to develop various registries to monitor target population groups developed.
- "Sanarip Clinic" - is a multidisciplinary data entry system that enables to describe the health status of patients.
- The diabetes registry, as a module of the information system, will minimize data duplication during registration and subsequent monitoring of patients with diabetes.

How does this work?



Information systems implemented in health sector

- **National Information System of Resource Management**
- **Electronic outpatient card**
- **Electronic inpatient record**
- **Digital health passport**
- **Referral to ITU**
- **Disability certificate**
- **Medical certificate**
- **DB “Enrolled population”**
- **AIS for laboratory services and vaccination**
- **AIS "Medstat" and oth.**

Challenges and barriers to the development of health statistics

- **HR**
- **Training**
- **Technical maintenance (computers, Internet, etc.)**
- **Organizational problems with the implementation of information systems (automation)**

Next Steps

- **Continue the implementation of automated information systems**
- **Step-by-step elimination of manual filling out forms**
- **Further work to improve the IS and interdepartmental cooperation and to monitor and analyze indicators on health and health service quality**
- **Creation and development of online electronic registers:**
 - **Diabetes**
 - **Hypertension**
 - **Hepatitis B and C**
 - **Other**

THANK YOU FOR YOUR ATTENTION

