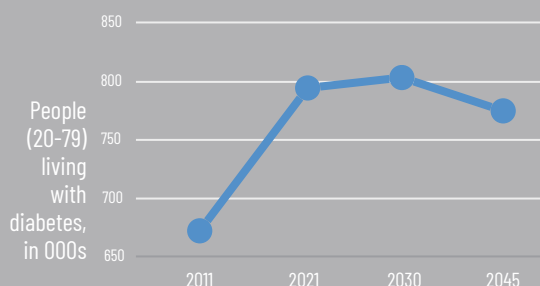




AN OVERVIEW OF DIABETES CARE

DIABETES PREVALENCE



Of which, undiagnosed
39.6% (315,300 people)

Children & adolescents with T1D (0-19y)*
2,820

Diabetes prevalence Diabetes-related deaths 15,908

12.2% Total expenditure €1197,3 (per person)

Source: IDF Diabetes Atlas 10th edition 2021

*According to national estimates, the number of children and adolescents with T1D in Serbia is approximately 4,000.

Serbia has made great strides in setting up the prevention and management frameworks necessary to reduce the incidence of diabetes and diabetes-related complications. A new comprehensive national diabetes plan is under development and the country has a full working diabetes registry at primary level for all people living with diabetes (PwD).

There are national guidelines for the prevention and management of diabetes, including systematic screening for diabetes-related complications. Self-management education is also provided to PwD and carers.

Most medicines and technologies are fully available at little or no cost for those meeting the criteria set by the National Health Insurance Fund, although some of the newer medicines are not yet reimbursed, or not in full. Newer technologies for blood glucose monitoring and insulin administration are also available but not all of them are reimbursed by the National Health Insurance Fund.

COVID-19 has spurred the development of e-health (especially prescriptions and remote consultations) and a pilot project is under way for remote monitoring but advances in both have, to date, remained limited, due to the lack of formal legislation in this respect (e.g., reimbursement of remote consultations).

There is no educational track for specialised diabetes nurses, although they tend to specialise during their practise and healthcare staff shortage is an issue. Psychological support for PwD is also a weak point, due to the lack of dedicated healthcare professionals, with education in this field.

DIABETES PREVENTION & MANAGEMENT

● YES ● WITH VARIATIONS ● NO

HEALTHY LIVING POLICIES



Obesity/ overweight



Healthy food & diet



Physical activity



Smoking



Regulations for healthy diets

PREVENTION OF COMPLICATIONS



Eye screening



CVD



Kidney disease



Diabetes foot



Gestational diabetes

EDUCATION



At or around the time of diagnosis



Throughout the life course



Integrated peer-to-peer support

Is there a programme to follow mothers with gestational diabetes after the birth of the baby?
Yes, everywhere in the country

NATIONAL PLAN?

Stand alone Under development

PREVENTION & MANAGEMENT GUIDELINES

National guidelines

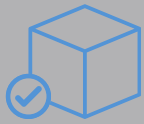
MONITORING FRAMEWORK?

No

GOVERNMENT ENGAGEMENT WITH PwD?

Yes

ACCESS TO CARE, TECHNOLOGIES, MEDICINES AND SUPPLIES



Is INSULIN available at the point of delivery?

- Always
- Most of the time
- Sometimes
- Not often
- Never



Is available INSULIN free of charge?

- For all PwD
- For all T1D only
- For children only
- Other

| | | | |
|-----------------|--------------------------------|---|---------------|
| <p>Children</p> | ● Short-acting regular insulin | ● | <p>Adults</p> |
| | ● Rapid-acting (analogues) | ● | |
| | ● Ultra-rapid-acting analogues | ● | |
| | ● Intermediate acting | ● | |
| | ● Long-acting | ● | |

| | |
|--|--------------------------------|
| | ● Short-acting regular insulin |
| | ● Rapid-acting (analogues) |
| | ● Ultra-rapid-acting analogues |
| | ● Intermediate acting |
| | ● Long-acting |

APPS



| | |
|---|----|
| Do apps get recommended by the health system/HCPs to manage/prevent diabetes? | NO |
| When they are recommended, are these apps fully reimbursed? | NO |

SUPPLIES & TECHNOLOGIES

Free of charge for all PwD

Syringes & Needles

Insulin pens

Blood glucose meters

Test strips (1)

Free of charge for T1D

Insulin pumps

rtCGMs*

Not reimbursed

Connected smart pens

isCGMs**

Automated delivery systems

(1) A fixed number of test strips per month is reimbursed, depending on the situation and/or treatment:

- 50 test strips/month for people with T2D
- 100 test strips/month for PwD on insulin treatment
- 150 test strips/month for PwD on four-daily injections
- 150 test strips/month for children and during pregnancy

ARE SUPPLIES TECHNOLOGIES AVAILABLE AT THE POINT OF DELIVERY?

- Always
- Most of the time
- Sometimes
- Not often
- Never

*real-time continuous glucose monitors.
**intermittently scanned continuous glucose monitors.

PSYCHOLOGICAL SUPPORT

PSYCHOLOGICAL SUPPORT PROVIDED AS PART OF DIABETES CARE?

Available free of charge but hard to access

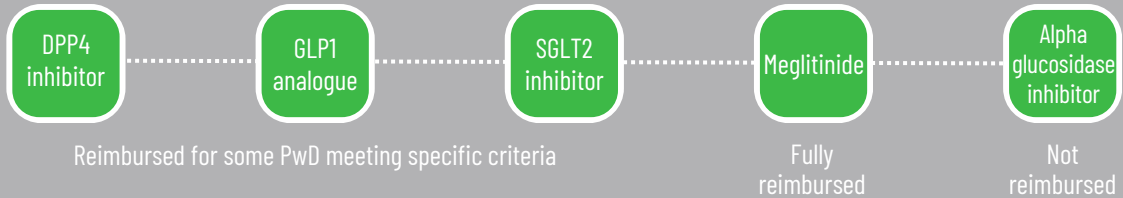


AVAILABLE AT THE POINT OF DELIVERY? ● YES ● MOST OF THE TIME ● SOMETIMES ● NOT OFTEN ● NO

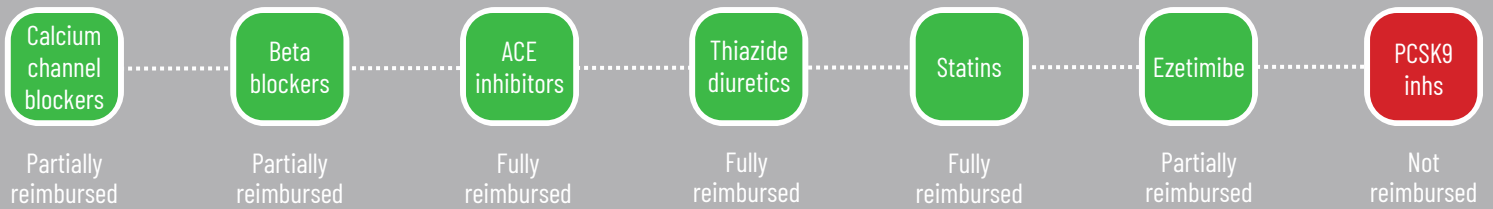
GLUCAGON - METFORMIN/SULFONYLUREAS



OTHER DIABETES MEDICINES



CARDIOVASCULAR MEDICINES



HEALTH SYSTEMS

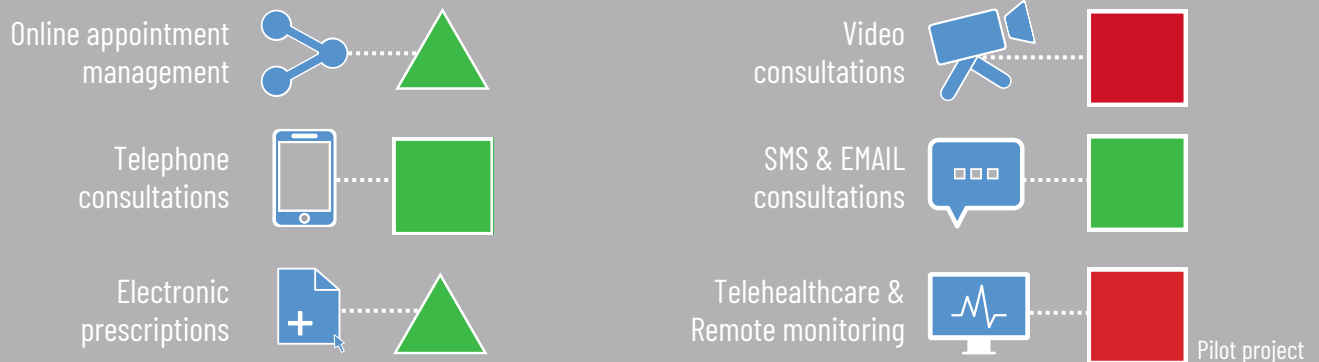
● YES ● NO

- Are diabetes specialist nurses (DSNs) available?
 - Do nurses play a role in diabetes prevention?
 - Is there a special academic training required to become a specialist diabetes nurse?
 - Are nurses allowed to prescribe medicines?
- Do nurses play a role in the diabetes management of?
- Adults & children with T1D
 - People with T2D
 - Women with GDM
- Do people living with diabetes have access to specialist diabetes educators?

HOW WIDESPREAD IS THE USE OF E-HEALTH?

AVAILABLE FOR ALL PEOPLE LIVING WITH DIABETES? ● YES ● NO

AVAILABLE AT THE SAME COST AS TRADITIONAL OPTIONS? ▲ YES ■ NO



ELECTRONIC HEALTH RECORDS?

● YES ● NO

●

WORKING DIABETES REGISTER?

Yes

