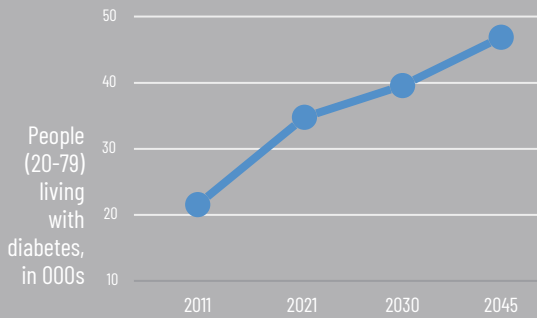


AN OVERVIEW OF DIABETES CARE

DIABETES PREVALENCE



Of which, undiagnosed
33.5% (11,600 people)

Children & adolescents with T1D (0-19y)
233

Diabetes prevalence

7.3%



Diabetes-related deaths 788



Total expenditure €6886 (per person)

Source: IDF Diabetes Atlas 10th edition 2021

In Luxembourg, all types of insulin and other diabetes medicines are available and fully reimbursed for people living with diabetes (PwD). All devices and technologies for blood glucose monitoring and insulin administration are also available and fully reimbursed most of the time. However, depending on the pharmacy and/or provider, PwD might need to contribute with €1-10 to the cost of devices and technologies.

Healthy living policies are in place with the exception of regulations targeting healthy diets. While screening for all diabetes-related complications is available free of charge for all PwD, not everyone benefits from it due to the absence of systematic screening programmes at national level. Referrals to regular screening rely on healthcare professionals and clinics. The National Scientific Council regularly updates the national guidelines on diabetes prevention and management which are, however, not mandatory.

Diabetes education is provided at the time of diagnosis and throughout the life course in various hospitals' diabetes departments and by the national diabetes association (Maison du Diabète). While peer-to-peer support is not integrated in the education provided, some group training courses do facilitate exchanges between peers.

There is no special academic training for diabetes specialist nurses (DSNs) but they tend to specialise during their practice and through various diabetology training programmes. DSNs play a role in diabetes prevention and in the management of people living with all types of diabetes, but they are not allowed to prescribe medications.

The use of electronic health records and other e-health solutions such as online appointment management, telehealthcare, remote monitoring and telephone and video consultations is not widely adopted and depends on the clinic and/or physician.

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, but it varies across the country

NATIONAL PLAN?

Under development
Partly integrated

PREVENTION & MANAGEMENT GUIDELINES

National guidelines

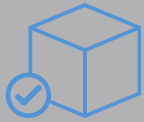
MONITORING FRAMEWORK?

No

GOVERNMENT ENGAGEMENT WITH PwD?

No

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



Children

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



Adults



- 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?	YES
When they are recommended, are these apps fully reimbursed?	NO

SUPPLIES & TECHNOLOGIES

Free of charge for all PwD (1)

Syringes & Needles

Insulin pens

Blood glucose meters

Test strips

Free of charge for T1D (1)

Connected smart pens

Insulin pumps (2)

Automated delivery systems

rtCGMs*

isCGMs** (3)

- (1) A small co-payment of €1-10 may apply to some supplies and technologies
- (2) Free of charge also for people with insulin deficiency and some T2D cases
- (3) Free of charge also for some T2D cases on basal-bolus insulin treatment

*real-time continuous glucose monitors.

**intermittently scanned continuous glucose monitors.

ARE SUPPLIES TECHNOLOGIES AVAILABLE AT THE POINT OF DELIVERY?

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

PSYCHOLOGICAL SUPPORT

PSYCHOLOGICAL SUPPORT PROVIDED AS PART OF DIABETES CARE?

Available at a cost and hard to access

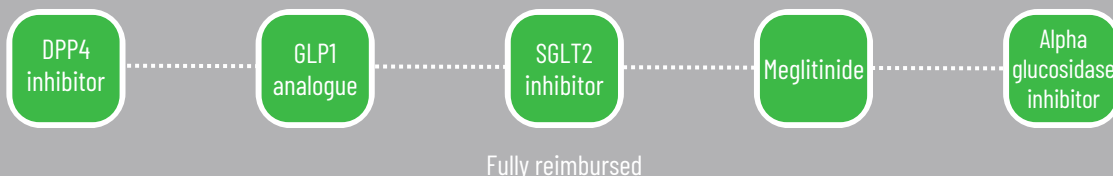


AVAILABLE AT THE POINT OF DELIVERY? ● YES ● MOST OF THE TIME ● SOMETIMES ● NOT OFTEN ● NO

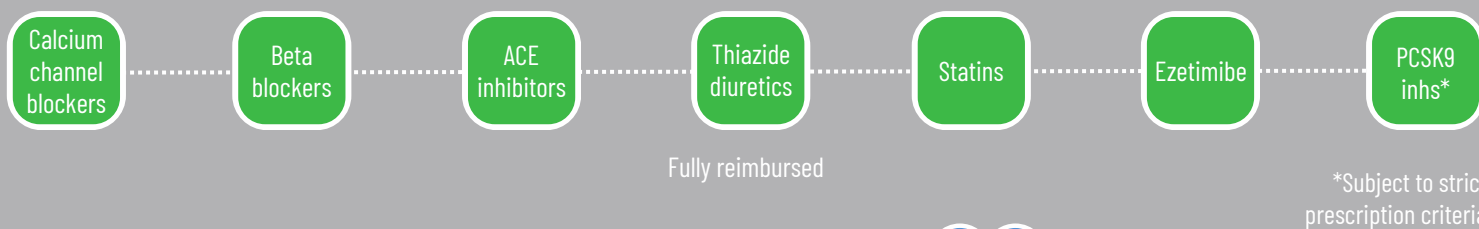
GLUCAGON - METFORMIN/SULFONYLUREAS



OTHER DIABETES MEDICINES



CARDIOVASCULAR MEDICINES



HEALTH SYSTEMS



● YES ● NO

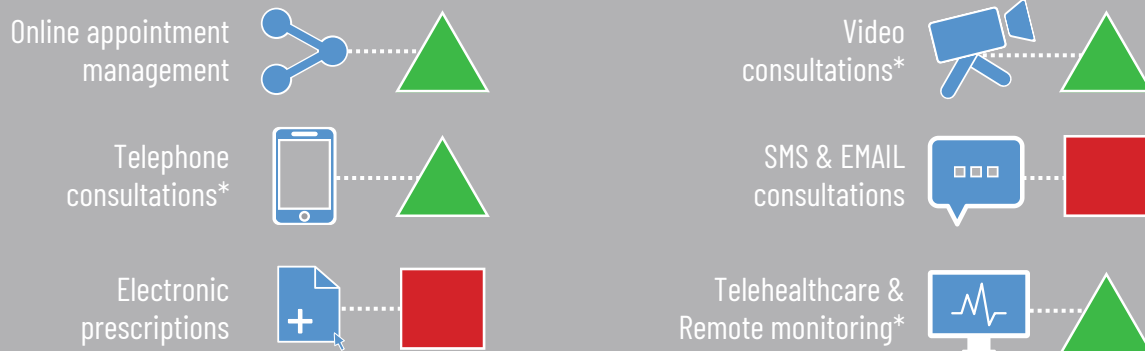
- Are diabetes specialist nurses (DSNs) available?
- Do nurses play a role in diabetes prevention?
- Is there a special academic training required to become a specialist diabetes nurse?
- Are nurses allowed to prescribe medicines?
- Do nurses play a role in the diabetes management of?
 - Adults & children 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 depending on the clinic and/or physician

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



ELECTRONIC HEALTH RECORDS?

● YES ● NO

●

WORKING DIABETES REGISTER?

Yes, for PwD <18-25 y/o