





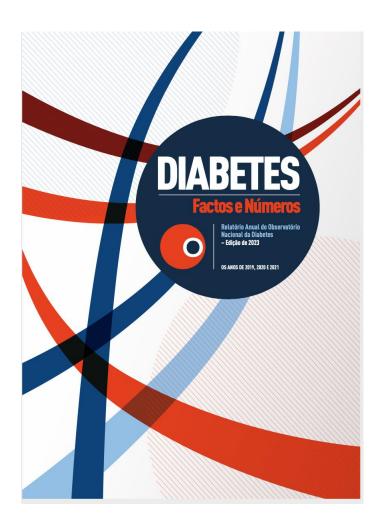
### Portuguese Diabetes Society - Portugal

a case study an example of a national implementation of the
IDF Europe-WHO Europe Joint Declaration

Rita Nortadas SPD | APDP Portugal







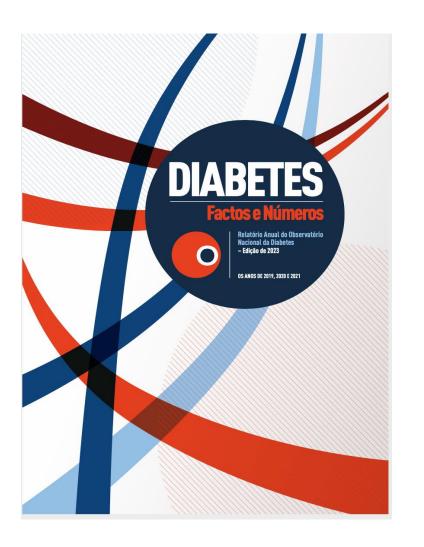
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https://www.spd.pt/#/observatorio-da-diabetes





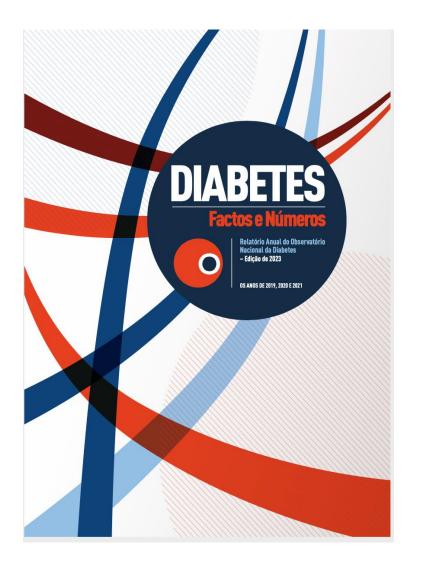


#### Índice

1st chapter: Characterization of O Observatório Nacional da Diabetes Diabetes: Factos e Números - 10.ª Edição population: Capítulo 1 Epidemiologia da Diabetes Prevalence; Prevalência da Diabetes Prevalência da Hiperglicemia Intermédia Incidência da Diabetes Incidence; Mortalidade da Diabetes Letalidade Intra-Hospitalar Complications; Hospitalização Cuidados Primários Complicações da Diabetes Hospitalizations; Controlo e Tratamento da Diabetes Mortality. Consumo de Medicamentos Regiões e Diabetes Custos da Diabetes 45 A Diabetes no Mundo 49 Factos acerca da Diabetes 53 O que é a Diabetes O que é a Hiperglicemia Intermédia Tipos de Diabetes 55 56 Controlo e Tratamento da Diabetes Fontes de Informação 59 Agradecimentos





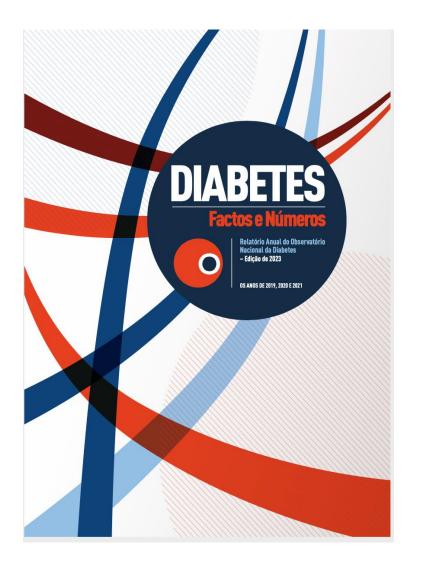


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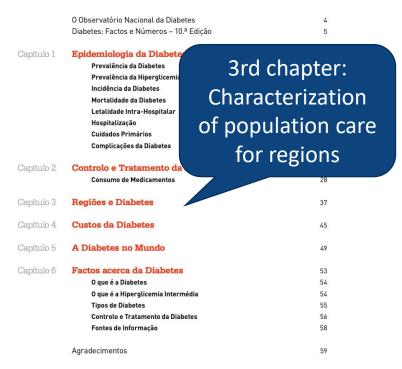
O Observatório Nacional da Diabetes Diabetes: Factos e Números - 10.ª Edição 2nd chapter: Epidemiologia da Diabetes Prevalência da Diabetes **Metabolic Control** Prevalência da Hiperglicemia Intermédia Incidência da Diabetes and Treatment Mortalidade da Diabetes Letalidade Intra-Hospitalar Hospitalização Cuidados Primários Complicações da Diabetes Controlo e Tratamento da Diabetes 27 28 Consumo de Medicamentos Regiões e Diabetes 37 Custos da Diabetes 45 A Diabetes no Mundo 49 Capítulo 6 Factos acerca da Diabetes 53 O que é a Diabetes 54 O que é a Hiperglicemia Intermédia 55 Tipos de Diabetes Controlo e Tratamento da Diabetes Fontes de Informação Agradecimentos 59





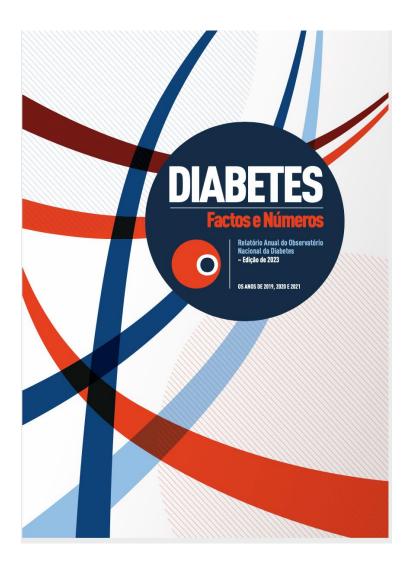


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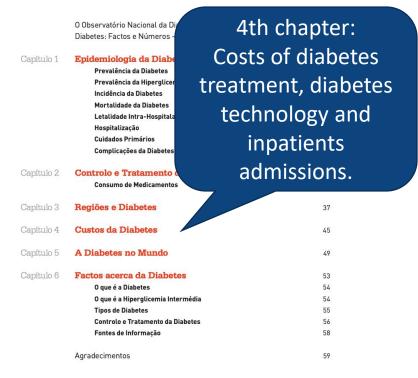






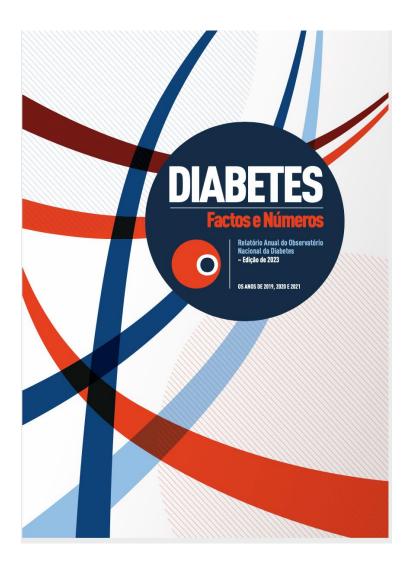


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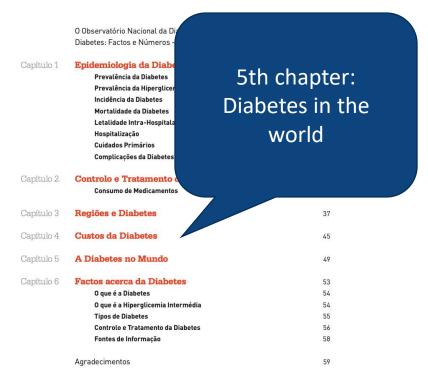








#### Índice







### The 5 Global Target Diabetes addressed:

- 80% of people living with diabetes are diagnosed;
- 80% have good control of glycaemia;
- 80% of people with diagnosed diabetes have good control of blood pressure;
- 60% of people with diabetes of 40 years or older receive statins;
- 100% of people with type 1 diabetes have access to affordable insulin and blood glucose self-monitoring.

IDF Europe-WHO Europe Joint Declaration





1<sup>st</sup> Global Target Diabetes addressed:

80% of people living with diabetes are diagnosed

#### Our Aim:

What is the prevalence of diabetes in our country?

> Diabet Med. 2010 Aug;27(8):879-81. doi: 10.1111/j.1464-5491.2010.03017.x.

# First diabetes prevalence study in Portugal: PREVADIAB study

L Gardete-Correia <sup>1</sup>, J M Boavida, J F Raposo, A C Mesquita, C Fona, R Carvalho, S Massano-Cardoso

Affiliations + expand

PMID: 20653744 DOI: 10.1111/j.1464-5491.2010.03017.x

Prevadiab was a prevalence study published in 2010 about the prevalence of diabetes in Portugal that included 5167 people between 20 and 79 years old in a sample that was representative regionally and nationally. In this study, 6.6% of the subjects had previously been diagnosed with diabetes, 5.1% were undiagnosed.





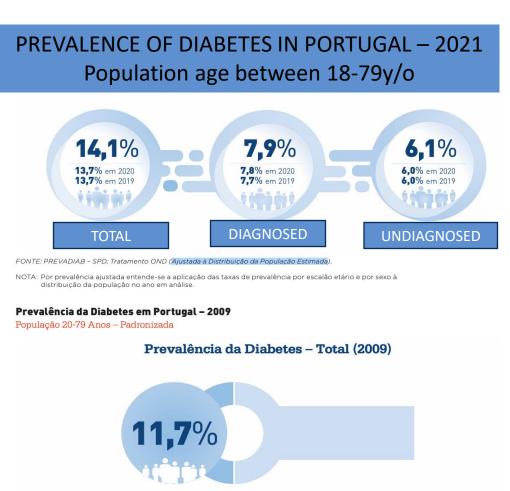
1st Global Target Diabetes addressed:

80% of people living with diabetes are diagnosed

#### Our Aim:

What is the prevalence of diabetes in our country?

Nowadays we estimate the prevalence of diabetes in Portugal calculating it and work out from the Prevadiab, with adjusted to estimated population distribution.



FONTE: First diabetes prevalence study in Portugal: PREVADIAB study; Diabet Med. 2010 Aug; 27 (8): 879-81.





#### 1st Global Target Diabetes addressed:

80% of people living with diabetes are diagnosed

#### Our Aim:

What is the prevalence of diabetes in our country?

- > 2021 the prevalence of diabetes in Portugal was 14.1%, but only 7.9% were diagnosed >>> 56% of people with diabetes.
- Prevadiab was done 10 years ago >> it`s being restructured a new national prevalence study >> aim to start in 2025.

# PREVALENCE OF DIABETES IN PORTUGAL – 2021 Population age between 18-79y/o



FONTE: PREVADIAB - SPD; Tratamento OND (Ajustada à Distribuição da População Estimada

NOTA: Por prevalência ajustada entende-se a aplicação das taxas de prevalência por escalão etário e por sexo à distribuição da população no ano em análise.

#### Prevalência da Diabetes em Portugal - 2009

População 20-79 Anos - Padronizada

#### Prevalência da Diabetes - Total (2009)



FONTE: First diabetes prevalence study in Portugal: PREVADIAB study; Diabet Med. 2010 Aug; 27 (8): 879-81.





2<sup>nd</sup> Global Target Diabetes addressed:

80% have good control of glycaemia

### Our Aim:

How is the control of diabetes in Portugal?

Utentes com Diabetes (com consulta registada) com pedidos de HbA<sub>1c</sub> registados (2021)



<sup>\*</sup> SNS – national public health system; \*UCSP and \*USF – primary care





2<sup>nd</sup> Global Target Diabetes addressed:

80% have good control of glycaemia

#### Our Aim:

How is the control of diabetes in Portugal?

HbA<sub>1c</sub> – Média por Utente com pedidos registados (2021)



<sup>\*</sup> SNS – national public health system; \*UCSP and \*USF – primary care





3<sup>rd</sup> Global Target Diabetes addressed:

80% of people with diagnosed diabetes have good control of blood pressure

### Our Aim:

How is the control of blood pressure in Portugal?

Registos de Pressão Arterial < 140/90 em utentes com Diabetes (2021)



<sup>\*</sup> SNS – national public health system; \*UCSP and \*USF – primary care





4<sup>th</sup> Global Target Diabetes addressed:

60% of people with diabetes of 40 years or older receive statins

### Our Aim:

How is the control of LDL cholesterol in Portugal?

Utentes com Diabetes com registo de Colesterol LDL (com Consulta Registada) (2021)







4<sup>th</sup> Global Target Diabetes addressed:

60% of people with diabetes of 40 years or older receive statins;

### Our Aim:

How is the control of LDL cholesterol in Portugal?

Utentes com Diabetes com registo de Colesterol LDL com resultado < 100mg/dl (2021)



We didn't cross the data with age neither with statins >>>

But it'll be next year.

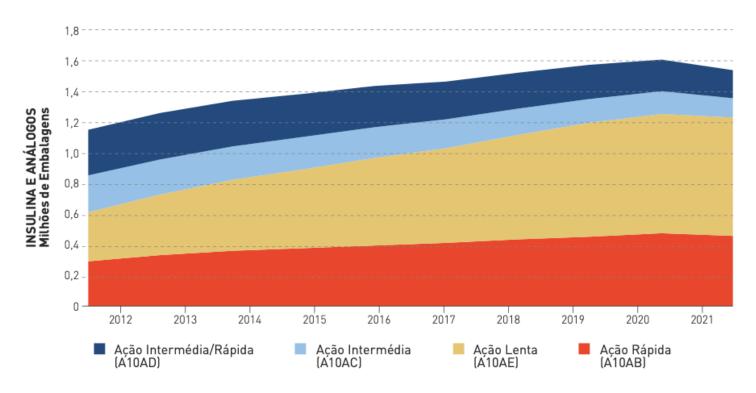




### 5<sup>th</sup> Global Target Diabetes addressed:

100% of people with type 1 diabetes have access to affordable insulin and blood glucose self-monitoring.

In Portugal, insulin and needles are free for people with T1D or T2D.







5<sup>th</sup> Global Target Diabetes addressed:

100% of people with type 1 diabetes have access to affordable insulin and blood glucose self-monitoring.

People with T1D have free access to a machine and the blood glucose tests have 90% reimbursement.

### Vendas em Ambulatório de Dispositivos de Monitorização da Diabetes em Portugal Em volume (em milhares de embalagens)

	2000	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Dispositivos de Monitorização	235	2 115	2 632	2 660	2 804	2 775	2 774	2 910	2 958	2 985	3 006
Tiras-Teste – Glicemia	235	2 115	2 632	2 660	2 804	2 775	2 774	2 668	2 551	2 444	2 338
Sensores – glicose	-	-	-	-	-	-	-	242	407	541	668

FONTE: IMS Health; Centro de Conferência de Faturas – Ministério da Saúde (CCF – MS); INFARMED; A partir do ano de 2012 a origem da informação disponibilizada é o CCF – MS; INFARMED.

We know how many boxes were sold but we cannot distinguish between T1D or T2D.





For more information or further details please consult:

www.spd.pt

Social media:

Facebook, Instagram, LinkedIn

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