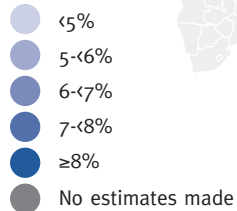
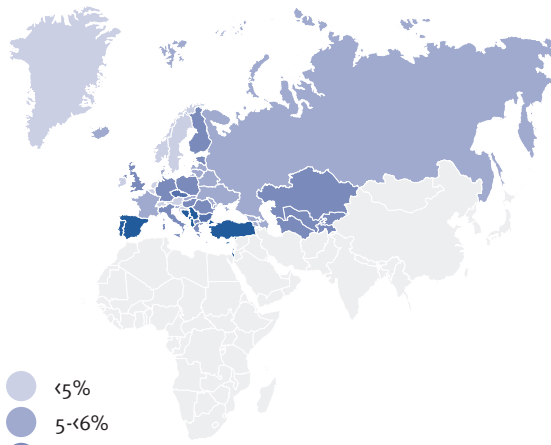




# Diabetes in Europe – 2021



## Prevalence\* of diabetes (20–79 years), 2021



\* Age-adjusted comparative prevalence

## Top 5 countries

	2011	2021
<b>Top 5 countries for age-adjusted prevalence of people with diabetes (20–79 years)</b>		
Turkey	8.1%	14.5%
Spain	6.5%	10.3%
Andorra <sup>i</sup>	5.6%	9.7%
Portugal	9.8%	9.1%
Serbia	7.9%	9.1%

<sup>i</sup> based on extrapolation from similar countries

## Corporate sponsors

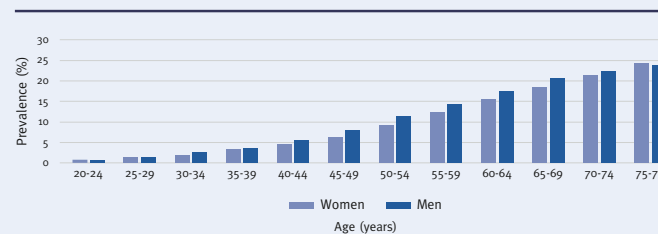
The IDF Diabetes Atlas 10th edition has been produced thanks to educational grants from Novo Nordisk, Pfizer-MSD Alliance and Sanofi:



## Highlights

- 1 in 11 adults have diabetes – 61 million.
- 1 in 3 (36%) people living with diabetes are undiagnosed.
- 1 in 7 live births are affected by hyperglycaemia in pregnancy.
- The Europe Region has the highest number of children and adolescents with type 1 diabetes – 295,000.
- Diabetes-related expenditure in the Europe Region totals USD 189 billion – 19.6% of global expenditure.
- The Europe Region has the second highest average cost per person with diabetes (20-79y) – USD 3,086.

## Prevalence of diabetes by age and sex, 2021



	2011	2021
<b>Top 5 countries for number of people with diabetes (20–79 years) in millions</b>		
Turkey	3.5	9
Russian Federation	12.6	7.4
Germany	5	6.2
Spain	2.8	5.1
Italy	3.6	4.5

## Need more information?



Visit [www.diabetesatlas.org](http://www.diabetesatlas.org)

Scan QR code

Contact [atlas@idf.org](mailto:atlas@idf.org)

## At a glance

	2021	2030	2045
<b>Adult population in Europe</b>			
Aged 20–79 years	670m	677m	668m
<b>Diabetes (20–79 years)</b>			
Regional prevalence	9.2%	9.8%	10.4%
Age-adjusted comparative prevalence	7.0%	8.0%	8.7%
Number of people with diabetes	61m	67m	69m
Number of deaths due to diabetes	1.1m	–	–
<b>Healthcare expenditure due to diabetes (20–79 years)</b>			
Total healthcare expenditure, USD	189.3b	189.6b	185.3b
<b>Impaired glucose tolerance (20–79 years)</b>			
Regional prevalence	8.2%	8.3%	8.3%
Age-adjusted comparative prevalence	7.1%	7.6%	7.8%
Number of people with impaired glucose tolerance	54.8m	56.1m	55.3m
<b>Impaired fasting glucose (20-79 years)</b>			
Regional prevalence	3.8%	4.0%	4.0%
Age-adjusted comparative prevalence	3.3%	3.5%	3.7%
Number of people with impaired fasting glucose	25.6m	26.8m	26.7m
<b>Undiagnosed diabetes (20-79 years)</b>			
Regional prevalence	35.7%	–	–
Number of people with undiagnosed diabetes	21.9m	–	–
<b>Type 1 diabetes (0–19 years)</b>			
Number of children and adolescents with type 1 diabetes	294,900	–	–
Number of newly diagnosed children and adolescents each year	31,000	–	–

m= million b=billion



# Diabetes in Europe – 2021



Country or territory	Adult population (20–79 y), 1,000s	Adults with diabetes (20–79 y), 1,000s	Diabetes prevalence (20–79 y), %	Age-adjusted comparative diabetes prevalence (20–79 y), %	Cost per person with diabetes (20–79 y), USD	Diabetes-related deaths (20–79 y)	Type 1 diabetes (0–19 y)	Proportion of undiagnosed diabetes (20–79 y), %	One in X adults (20–79 y) has diabetes
Albania <sup>i</sup>	2,103.0	241.1	11.5	9.1	676.1	4,248	493	39.5	9
Andorra <sup>i</sup>	57.8	8.0	13.9	9.7	3,063.9	–	27	36.9	7
Armenia <sup>i</sup>	2,087.5	133.6	6.4	5.6	1,174.3	2,392	498	40.5	16
Austria	6,778.6	447.1	6.6	4.6	6,574.7	12,021	3,592	21.7	15
Azerbaijan <sup>i</sup>	7,058.0	397.1	5.6	5.6	482.4	7,577	1,908	40.5	18
Belarus <sup>i</sup>	6,981.8	483.0	6.9	5.6	1,023.5	11,242	1,062	57.0	14
Belgium	8,347.7	404.9	4.9	3.6	6,433.2	10,714	4,330	31.6	21
Bosnia and Herzegovina <sup>i</sup>	2,506.8	305.9	12.2	9.1	1,125.2	5,113	497	39.5	8
Bulgaria	5,227.1	519.3	9.9	7.4	1,892.4	10,521	1,129	25.8	10
Channel Islands <sup>i</sup>	131.2	10.8	8.2	6.3	–	–	73	23.3	12
Croatia	3,058.7	212.7	7.0	4.8	1,197.5	6,218	1,278	39.5	14
Cyprus	900.4	87.5	9.7	8.6	2,570.8	1,101	390	36.6	10
Czechia	8,058.7	791.4	9.8	7.1	2,177.5	1,146	4,284	21.3	10
Denmark	4,243.7	309.4	7.3	5.3	7,844.4	7,010	3,103	25.1	14
Estonia	960.0	83.9	8.7	6.5	1,826.6	174	473	48.7	11
Faroe Islands	35.3	1.8	5.2	3.8	–	–	26	31.4	20
Finland	4,061.1	392.9	9.7	6.1	5,514.6	9,338	5,410	18.8	10
France	46,024.0	3,942.9	8.6	5.3	5,760.1	87,434	27,128	27.8	12
Georgia	2,803.6	190.6	6.8	5.7	877.1	4,271	429	40.5	15
Germany	62,027.7	6,199.9	10.0	6.9	6,660.7	151,463	35,144	21.7	10
Greece	7,658.6	736.1	9.6	6.4	1,747.1	22,350	2,905	39.5	10
Greenland	40.7	1.8	4.5	3.3	–	–	33	25.1	23
Holy See <sup>i</sup>	0.6	0.1	10.7	7.3	–	–	1,274	47.4	6
Hungary	7,309.6	661.4	9.1	7.0	1,465.9	10,701	3,496	16.7	11
Iceland <sup>i</sup>	242.7	20.1	8.3	5.5	8,400.7	394	137	25.1	12
Ireland	3,474.7	139.1	4.0	3.0	7,843.3	2,958	3,364	31.6	25
Isle of Man <sup>i</sup>	61.4	5.1	8.3	6.3	–	–	39	31.6	12
Israel	5,407.2	536.5	9.9	8.5	4,807.4	13,230	4,077	31.6	10
Italy	45,153.7	4,470.3	9.9	6.4	3,280.8	172,943	13,715	47.4	10
Kazakhstan <sup>i</sup>	11,949.4	807.7	6.8	6.6	764.2	11,806	1,001	56.7	15
Kyrgyzstan <sup>i</sup>	3,908.1	256.4	6.6	6.6	231.0	2,966	400	56.7	15
Latvia	1,353.3	115.8	8.6	5.9	1,335.0	2,229	256	57.0	12
Liechtenstein <sup>i</sup>	27.8	2.5	8.9	6.1	–	–	10	21.7	11
Lithuania	1,976.1	186.9	9.5	5.8	1,342.5	5,870	907	57.0	11

<sup>i</sup> based on extrapolation from similar countries



# Diabetes in Europe – 2021



Country or territory	Adult population (20–79 y), 1,000s	Adults with diabetes (20–79 y), 1,000s	Diabetes prevalence (20–79 y), %	Age-adjusted comparative diabetes prevalence (20–79 y), %	Cost per person with diabetes (20–79 y), USD	Diabetes-related deaths (20–79 y)	Type 1 diabetes (0–19 y)	Proportion of undiagnosed diabetes (20–79 y), %	One in X adults (20–79 y) has diabetes
Luxembourg	475.9	34.6	7.3	5.9	8,192.5	788	223	31.6	14
Malta	336.3	37.8	11.2	8.0	2,837.6	735	189	47.4	9
Monaco <sup>i</sup>	28.7	2.7	9.3	6.2	3,416.9	–	15	27.8	11
Montenegro <sup>i</sup>	454.5	54.7	12.0	9.1	–	1,014	277	39.5	8
Netherlands	12,631.9	857.0	6.8	4.5	6,444.9	21,213	6,393	31.6	15
North Macedonia	1,571.6	116.1	7.4	6.1	980.5	2,590	330	39.5	14
Norway	3,969.6	190.7	4.8	3.6	11,166.4	2,788	3,821	25.1	21
Poland	28,518.0	2,677.0	9.4	6.8	994.3	5,330	12,447	65.2	11
Portugal	7,640.6	994.1	13.0	9.1	2,293.3	22,858	2,443	43.6	8
Republic of Moldova <sup>i</sup>	3,094.6	207.3	6.7	5.6	491.7	4,025	802	21.3	15
Romania	14,231.4	1,199.0	8.4	6.5	930.2	24,213	3,860	21.4	12
Russian Federation	105,944.9	7,392.1	7.0	5.6	1,739.8	20,723	38,140	40.5	14
San Marino <sup>i</sup>	25.4	2.7	10.8	7.4	3,852.2	–	10	47.4	9
Serbia <sup>i</sup>	6,521.1	796.8	12.2	9.1	1,424.4	15,908	2,820	39.5	8
Slovakia	4,159.0	349.7	8.4	5.8	1,554.2	628	1,375	21.3	12
Slovenia	1,553.5	137.8	8.9	5.8	2,496.1	3,291	603	39.5	11
Spain	34,841.3	5,141.3	14.8	10.3	3,005.8	81,717	17,221	30.3	7
Sweden	7,259.2	496.2	6.8	5.0	7,674.7	11,623	9,167	25.1	15
Switzerland	6,506.6	389.0	6.0	4.6	12,828.4	7,644	2,092	21.7	17
Tajikistan <sup>i</sup>	5,238.9	327.6	6.3	6.6	169.3	4,578	944	56.7	16
Turkey	56,658.9	9,020.9	15.9	14.5	1,044.9	83,221	25,759	40.9	6
Turkmenistan	3,702.9	223.7	6.0	6.7	1,681.1	3,313	1,998	39.5	17
Ukraine <sup>i</sup>	32,683.0	2,325.0	7.1	5.6	625.4	58,126	6,697	40.5	14
United Kingdom	48,928.0	3,996.3	8.2	6.3	5,859.3	140,775	31,623	23.3	12
Uzbekistan	21,349.8	1,351.8	6.3	7.0	205.3	16,670	2,811	74.0	16

<sup>i</sup> based on extrapolation from similar countries

## National/regional prevalence

The actual percentage of each country's/region's adult population that has diabetes. Appropriate for assessing diabetes burden.

## Age-adjusted comparative prevalence

Calculated by assuming that a country/ region has an age profile identical to that of the world population.

Appropriate for comparing countries/regions.

## Health expenditure

For people with diabetes are assumed to be on average two-fold higher than people without diabetes.