



GLOBAL Fact sheet

Number of adults (20–79 years) with diabetes worldwide

North America & Caribbean



- 1 in 6 adults in this Region is at risk of type 2 diabetes
- 43% of global diabetes-related health expenditure occurs in this Region

South & Central America

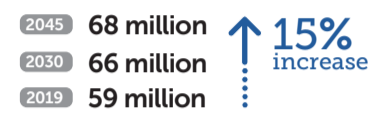


- 2 in 5 people with diabetes were undiagnosed
- Only 9% of global diabetes-related health expenditure for diabetes is spent in this Region

WORLD



Europe



- 1 in 6 live births are affected by hyperglycaemia in pregnancy
- The Region has the highest number of children and adolescents (0–19 years) with type 1 diabetes – 297,000 in total

Africa



- 3 in 5 people with diabetes are undiagnosed
- 3 in 4 deaths due to diabetes were in people under the age of 60

Middle East & North Africa



- 1 in 8 people have diabetes
- 1 in 2 deaths due to diabetes were in people under the age of 60

South-East Asia



- 1 in 5 adults with diabetes lives in this Region
- 1 in 4 live births are affected by hyperglycaemia in pregnancy

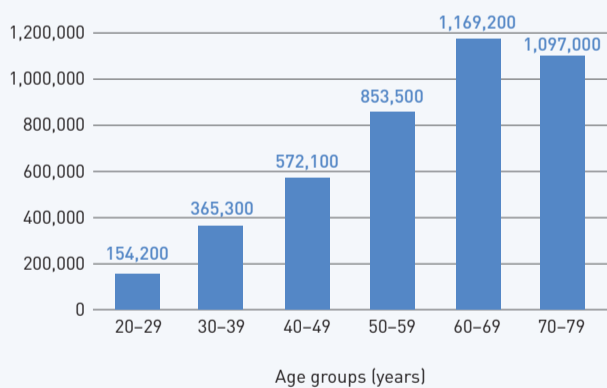
Western Pacific



- 1 in 3 adults with diabetes lives in this Region
- 1 in 3 deaths due to diabetes occur in this Region

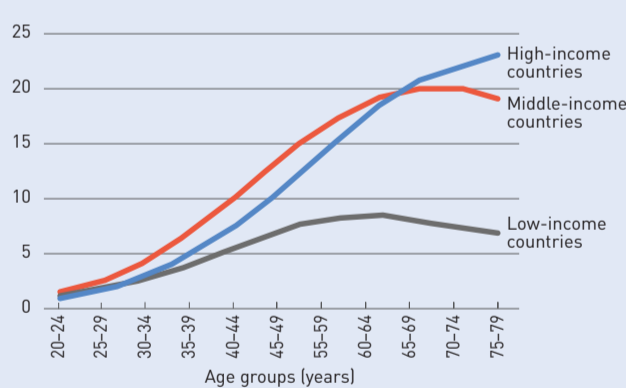
Diabetes affects people of all ages, typically showing higher prevalence with increasing age up to 60–69 years.

Deaths attributable to diabetes by age (20–79 years), 2019



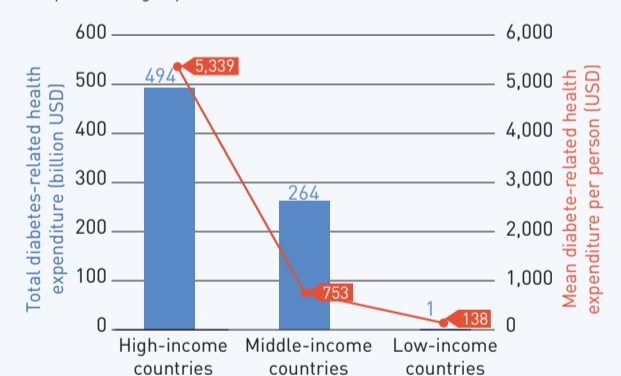
1 in 5 people older than 65 years have diabetes.

Prevalence (%) estimates of diabetes by age and income group, 2019



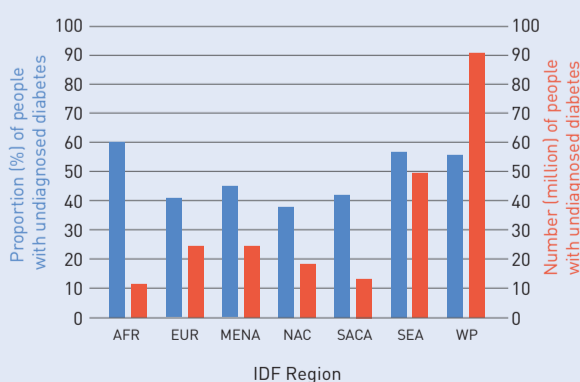
87% of diabetes-related deaths occur in low- and middle-income countries. But, only 35% of diabetes-related health expenditure is spent there.

Total diabetes-related and mean health expenditure per person and per income group, 2019



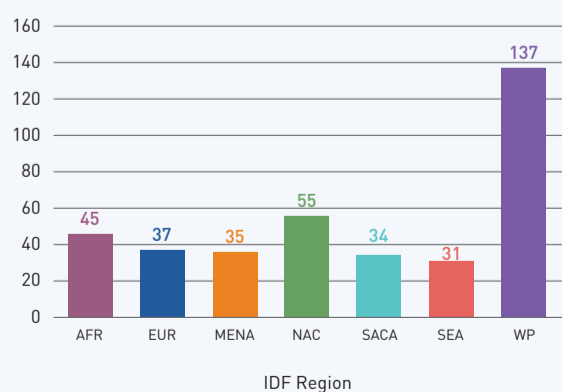
4 out of every 5 adults with undiagnosed diabetes live in low- and middle-income countries.

Number and percentage of adults (20–79 years) with undiagnosed diabetes in IDF Regions, 2019



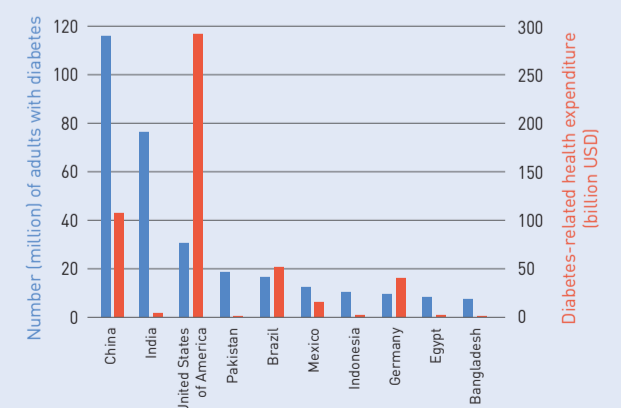
1 in 3 of adults at risk of developing type 2 diabetes, live in the Western Pacific Region.

Number (million) of adults (20–79 years) with impaired glucose tolerance per IDF Region, 2019



67% of adults with diabetes live in top 10 countries and 70% of diabetes-related health expenditure is spent in these countries.

Top 10 countries for number of adults with diabetes (20–79 years) and their health expenditure, 2019



IDF: International Diabetes Federation, AFR: Africa, EUR: Europe, MENA: Middle East and North Africa, NAC: North America and Caribbean, SACA: South and Central America, SEA: South-East Asia, WP: Western Pacific

Corporate sponsor

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Country summary table: estimates 2019

Country or territory	Adults with diabetes (20-79 y), 1,000s	Diabetes age-adjusted comparative prevalence (20-79 y), %	Cost per person with diabetes (20-79 y), USD	Diabetes-related deaths (20-79 y)	Proportion of undiagnosed diabetes (20-79 y), %	One in X adults (20-79 y) has diabetes
Afghanistan	1,090.8	9.2	1675	18,630	73.4	16
Albania ^a	2376	9.0	652.8	2,448	43.0	9
Algeria	1,904.7	6.7	795.4	12,657	65.8	14
Andorra ^a	6.9	7.7	4,005.5	32	36.3	8
Angola ^a	532.4	4.5	530.2	6,988	52.4	25
Antigua and Barbuda ^a	9.3	13.1	747.3	86	30.1	8
Argentina	1,837.4	5.9	1,169.4	15,468	32.5	16
Armenia ^a	141.2	6.1	890.9	1,815	43.0	15
Aruba ^a	11.6	11.6	-	-	30.1	7
Australia	1,288.3	5.6	5,000.4	5,175	35.4	14
Austria	641.5	6.6	5,259.3	3,031	36.3	10
Azerbaijan ^a	421.6	6.1	693.3	4,450	43.0	16
Bahamas	26.9	8.8	2,178.6	231	30.1	11
Bahrain ^a	202.7	15.6	1,163.0	538	36.1	6
Bangladesh	8,372.2	9.2	63.9	109,857	56.0	12
Barbados	36.4	13.4	1,162.8	294	26.2	6
Belarus ^a	463.3	5.0	945.8	6,810	43.0	15
Belgium	561.2	4.6	5,010.4	3,014	36.3	15
Belize	34.1	17.1	876.9	322	41.1	7
Benin	44.6	1.0	163.8	693	68.2	123
Bermuda	6.9	6.7	-	-	30.1	6
Bhutan ^a	46.0	10.3	165.1	327	53.6	12
Bolivia (Plurinational State of)	411.4	6.8	821.0	4,418	27.8	16
Bosnia and Herzegovina ^a	311.4	9.0	901.3	3,420	43.0	9
Botswana	78.1	5.8	1,417.6	1,675	52.4	18
Brazil	16,780.8	10.4	3,116.7	135,197	46.0	9
British Virgin Islands	3.1	14.2	-	-	30.1	7
Brunei Darussalam	40.1	13.3	702.3	281	46.7	8
Bulgaria	442.5	6.0	1,739.0	6,287	32.5	12
Burkina Faso	494.2	7.3	177.6	9,675	68.2	18
Burundi ^a	123.1	5.1	97.8	2,699	68.2	42
Cabo Verde ^a	6.9	2.4	685.1	58	52.4	48
Cambodia	430.6	6.3	238.7	7,919	62.3	23
Cameroon	615.3	6.0	311.3	13,744	52.4	19
Canada	2,793.5	7.6	4,397.4	11,790	30.1	10
Cayman Islands ^a	5.9	6.8	-	-	30.1	7
Central African Republic ^a	101.2	6.0	72.0	3,163	68.2	22
Chad ^a	245.0	6.0	135.3	5,707	68.2	27
Channel Islands ^a	6.6	3.9	-	-	36.3	19
Chile	1,262.2	8.6	1,405.8	7,744	21.5	10
China	116,446.9	9.2	936.2	823,780	56.0	9
Colombia	2,836.5	7.4	1,217.7	18,453	39.2	12
Comoros	34.0	12.3	173.6	357	51.4	13
Congo ^a	158.6	6.0	343.2	2,536	52.4	17
Costa Rica	353.0	9.1	2,677.3	1,854	39.2	10
Côte d'Ivoire ^a	237.4	2.4	327.0	5,207	52.4	50
Croatia	211.1	5.4	1,043.9	1,559	42.0	15
Cuba ^a	1,134.0	9.6	2,395.1	8,593	39.2	8
Curaçao ^a	19.7	11.6	-	-	30.1	6
Cyprus	91.8	9.0	2,007.5	380	36.6	10
Czechia	818.6	7.0	1,532.0	5,715	36.3	10
Democratic People's Republic of Korea ^a	1,392.4	6.3	-	25,242	69.3	13
Democratic Republic of the Congo ^a	1,805.6	6.0	98.9	28,383	68.2	21
Denmark	372.0	8.3	5,521.1	2,044	65.6	11
Djibouti ^a	35.8	5.1	314.4	468	52.4	16
Dominica ^a	6.3	11.6	1,144.0	64	36.8	8
Dominican Republic	578.8	8.6	1,502.2	6,860	39.2	11
Ecuador	579.1	5.5	1,957.1	3,955	39.2	18
Egypt	8,850.4	17.2	279.1	76,263	54.4	7
El Salvador ^a	346.2	8.8	1,015.6	2,928	39.2	12
Equatorial Guinea ^a	39.9	6.0	1,305.8	491	52.4	18
Eritrea ^a	96.9	5.1	147.8	1,471	68.2	26
Estonia	58.7	4.2	1,387.4	566	36.3	16
Eswatini ^a	23.2	4.5	886.7	1,123	52.4	32
Ethiopia	1,699.4	4.3	113.3	23,157	68.2	31
Faroe Islands	2.4	4.7	-	-	31.4	15
Fiji	87.0	14.7	456.5	867	53.2	7
Finland	373.9	5.6	3,774.0	2,026	60.6	11
France	3,480.0	4.8	4,858.6	18,656	37.6	13
French Polynesia	39.4	19.5	-	-	46.7	5
Gabon ^a	79.9	6.0	1,015.2	923	52.4	14
Gambia	15.6	1.9	119.3	193	68.2	63
Georgia	198.0	5.8	875.5	2,883	43.0	14
Germany	9,510.5	10.4	4,600.7	50,096	47.6	7
Ghana	281.1	2.5	262.2	5,398	52.4	55
Greece	613.9	4.7	1,659.9	3,232	36.3	13
Greenland	1.3	2.1	-	-	36.3	31
Grenada	6.8	10.7	1,356.1	98	36.8	10
Guam	22.1	18.7	-	-	46.7	5
Guatemala	782.2	10.0	856.1	7,398	39.2	12
Guinea ^a	127.5	2.4	149.1	2,070	68.2	50
Guinea-Bissau ^a	18.6	2.4	170.2	364	68.2	51
Guyana ^a	50.4	11.6	466.0	899	36.8	10
Haiti	365.6	6.6	141.7	5,648	52.7	17
Honduras	339.2	7.3	730.5	1,911	39.2	16
Hong Kong	723.4	4.5	-	-	64.4	8
Hungary	684.5	6.9	1,235.3	8,338	16.7	11
Iceland ^a	18.2	5.8	6,403.1	69	36.3	13
India	77,005.6	10.4	91.6	1,010,262	57.0	11
Indonesia	10,681.4	6.3	365.2	115,632	73.7	16
Iran (Islamic Republic of)	5,387.2	9.6	1,141.1	33,037	34.8	11
Iraq	1,505.0	8.8	555.5	15,658	47.1	13
Ireland	148.2	3.2	6,597.6	706	31.2	23
Israel	644.3	9.7	3,784.3	2,627	36.3	8
Italy	3,669.4	5.0	2,849.1	15,656	36.3	12
Jamaica	226.5	11.3	793.5	2,200	24.4	9
Japan	7,390.5	5.6	3,178.9	71,513	46.6	13
Jordan	544.2	12.7	712.5	3,266	45.9	10
Kazakhstan ^a	735.2	6.1	742.2	9,358	43.0	16
Kenya	552.4	3.1	324.4	8,081	44.1	46
Kiribati	14.0	22.5	475.6	112	53.4	5
Kuwait	681.1	12.2	1,089.6	1,693	16.8	5
Kyrgyzstan ^a	197.8	6.1	194.1	2,263	43.0	19
Lao People's Democratic Republic ^a	191.6	6.3	197.3	3,698	53.4	21
Latvia	104.3	5.0	1,047.5	1,065	36.3	14
Lebanon	529.9	11.1	1,548.4	5,037	42.8	8

^a Based on extrapolation from similar countries

Country or territory	Adults with diabetes (20-79 y), 1,000s	Diabetes age-adjusted comparative prevalence (20-79 y), %	Cost per person with diabetes (20-79 y), USD	Diabetes-related deaths (20-79 y)	Proportion of undiagnosed diabetes (20-79 y), %	One in X adults (20-79 y) has diabetes
Lesotho ^a	41.2	4.5	334.6	1,670	52.4	30
Liberia ^a	48.1	2.4	309.4	754	68.2	49
Libya ^a	405.1	10.2	-	2,789	42.8	10
Liechtenstein ^a	3.4	9.4	-	13	36.3	8
Lithuania	114.3	3.8	1,226.9	1,340	36.3	19
Luxembourg	28.6	5.0	7,977.8	128	36.3	15
Macau ^a	50.9	4.3	-	-	46.7	10
Madagascar ^a	468.8	4.5	99.5	5,756	68.2	28
Malawi ^a	268.7	4.5	117.1	7,604	68.2	33
Malaysia	3,652.6	16.7	980.4	22,449	50.4	6
Maldives	22.8	9.2	1,794.1	111	53.6	14
Mali ^a	157.6	2.4	143.2	2,669	68.2	52
Malta	40.5	8.3	2,367.2	185	47.4	8
Marshall Islands	10.9	30.5	1,608.0	164	53.4	3
Mauritania	155.1	7.1	213.0	1,776	52.4	15
Mauritius	234.9	22.0	506.4	2,649	53.1	4
Mexico	12,805.2	13.5	1,328.5	89,012	38.6	7
Micronesia (Federated States of)	6.2	11.9	916.8	58	53.4	10
Monaco ^a	2.4	2.9	3,232.9	12	36.3	12
Mongolia	99.3	4.7	524.7	1,230	71.8	20
Montenegro ^a	52.4	9.0	-	597	43.0	9
Morocco	1,735.5	7.0	470.5	8,025	42.8	13
Mozambique	337.5	3.3	101.8	9,485	86.7	41
Myanmar	1,282.7	3.9	183.4	31,288	53.4	27
Namibia ^a	53.2	4.5	1,871.8	1,095	52.4	26
Nauru	1.6	12.0	2,597.3	15	48.1	4
Nepal	696.9	7.2	80.4	11,679	69.5	25
Netherlands	1,019.1	5.4	5,379.7	4,935	36.3	12
New Caledonia ^a	46.6	21.8	-	-	46.7	4
New Zealand	259.8	6.2	4,032.4	1,069	25.7	13
Nicaragua	395.8	11.4	564.1	2,769	39.2	10
Niger ^a	183.3	2.4	87.7	3,181	68.2	49
Nigeria	2,743.8	3.1	468.6	63,958	48.0	33
North Macedonia	175.1	9.3	689.9	1,962	43.0	9
Norway	292.4	5.3	9,061.4	1,211	36.3	13
Oman	291.8	10.1	752.6	965	43.7	13
Pakistan	19,369.8	19.9	83.3	158,974	43.8	6
Palau	2.4	17.9	1,872.3	16	46.7	6
Palestine	174.3	9.5	-	-	25.1	15
Panama	206.1	7.7	1,333.0	1,201	32.5	13
Papua New Guinea	713.5	17.9	134.9	6,324	53.4	6
Paraguay ^a	372.7	9.6	1,088.0	3,134	39.2	11
Peru	1,385.0	6.6	1,135.3	9,161	39.2	15
Philippines	3,993.3	7.1	428.8	38,583	66.7	16
Poland	2,344.6	6.1	923.5	18,536	42.2	12
Portugal	1,090.2	9.8	1,800.2	5,797	43.6	7
Puerto Rico	438.7	13.7	-	-	32.5	6
Qatar ^a	347.0	15.6	1,751.2	644	36.1	6
Republic of Korea	3,689.4	6.9	1,988.8	33,308	36.1	11
Republic of Moldova	193.8	5.7	431.9	2,474	43.0	16
Romania	1,278.3	6.8	1,208.3	15,920	20.7	11
Russian Federation	8,288.5	6.1	1,278.2	110,530	53.7	13
Rwanda ^a	168.9	5.1	202.1	2,944	68.2	38
Saint Kitts and Nevis	5.3	13.2	1,060.2	63	30.1	7
Saint Lucia ^a	14.8	11.6	967.0	145	36.8	9
Saint Vincent and the Grenadines ^a	8.8	11.6	621.1	115	36.8	8
Samoa	7.7	9.2	548.8	80	48.0	13
San Marino ^a	2.4	5.9	3,247.2	10	36.3	10
Sao Tome and Principe ^a	1.9	2.4	587.9	19	52.4	51
Saudi Arabia	4,275.2	15.8	1,172.5	15,039	39.0	5
Senegal ^a	153.1	2.4	248.5	1,855	68.2	51
Serbia ^a	773.7	9.0	1,089.4	9,160	43.0	8
Seychelles	9.5	12.3	605.7	84	46.0	7
Sierra Leone ^a	73.3	2.4	383.4	1,773	68.2	51
Singapore	640.4	5.5	2,095.1	4,374	54.0	7
Sint Maarten ^a	3.8	6.8	-	-	30.1	7
Slovakia	377.5	6.5	1,468.4	3,459	24.3	11
Slovenia	122.5	5.8	2,070.5	691	36.3	13
Solomon Islands	46.9	19.0	263.2	325	53.4	7
Somalia ^a	270.9	5.1	-	3,900	68.2	25
South Africa	4,581.2	12.7	1,245.0	89,834		