International Diabetes Federation

Call for data contribution to the 11th edition of IDF's Diabetes Atlas (2024)

The International Diabetes Federation (IDF) seeks new data sources of diabetes prevalence to include in the 11th edition of the IDF Diabetes Atlas to be published in 2024.

The IDF Diabetes Atlas is the authoritative source of information on the burden of diabetes for health professionals, scientists and research institutes, economists, policy makers, and national and international agencies. The information presented in previous editions of the IDF Diabetes Atlas has been also used widely by news media, governments, and international organisations such as the World Bank [1] and the World Economic Forum [2].

IDF uses a variety of high-quality data sources in its model to generate national, regional and global estimates of diabetes prevalence. Data sources should satisfy the minimum requirement, that is, having diabetes prevalence data stratified by at least three age groups. However, data sources that present diabetes prevalence by at least three age groups, setting (urban/rural) and sex (Female/Male) are preferred.

A systematic process is used to determine if studies can be included in the estimates that involves scoring of research quality using the Analytic Hierarchy Process, and where there are multiple data sources for a country, those with a higher score are more likely to be selected compared to those with a lower score. Full details of the process have been described previously [3] and studies with the following criteria have the greatest chance of being selected as primary source of data:

- Studies with a large sample size, i.e. more than 5,000 people
- Nationally representative
- High response rate (greater than 60%)
- Conducted in the last 5 years
- Published in a peer-reviewed journal
- Diabetes case identification by oral glucose tolerance test (OGTT) or fasting blood glucose test or HbA1c

Beyond diabetes prevalence estimates, studies in following topics are also welcome:

- Undiagnosed diabetes
- Impaired Glucose Tolerance/Impaired Fasting Glucose/Pre-diabetes
- Gestational Diabetes/Hyperglycaemia in pregnancy
- Diabetes mortality

Studies that have not (yet) been published can be included if sufficient detail of the data collection methodology can be provided.

High quality studies and information on national registries are welcome for all countries.

If you are aware of a diabetes prevalence data source that would help to improve the estimates please email the details to atlas@idf.org.

References

[1] World Bank. DataBank. Diabetes prevalence (% of population ages 20 to 79). [cited 2018 Apr 19]. Available at: https://data.worldbank.org/indicator/SH.STA.DIAB.ZS.

[2] Marques PV. How to beat diabetes. World Economic Forum, 25 Nov 2014 [cited 2018 Apr 19]. Available at: https://www.weforum.org/agenda/2014/11/how-to-beat-diabetes/.

[3] Sun H, Saeedi P, Karuranga S, et al. IDF Diabetes Atlas: Global, regional and country-level diabetes prevalence estimates for 2021 and projections for 2045. Diabetes Res Clin Pract 2021;183. https://doi.org/10.1016/j.diabres.2021.109119.

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