

Peer Review Report

Review Report on Original Article: The burden of type 1 and type 2 diabetes among adolescents and young adults in 24 Western European countries, 1990–2019: results from the Global Burden of Disease Study 2019

Original Article, Int J Public Health

Reviewer: Augusto Di Castelnuovo

Submitted on: 16 Nov 2023

Article DOI: 10.3389/ijph.2023.1606491

EVALUATION

Q 1 Please summarize the main findings of the study.

The study provides a comprehensive exploration of the epidemiology of type 1 (T1DM) and type 2 diabetes (T2DM) among adolescents in Western Europe. The findings reveal a significant increase in prevalence and disability burden over the past 30 years, with T2DM exhibiting a particularly notable rise. The study underscores the urgent need for health system responses, especially in areas such as transition services, data collection, education, and obesity prevention. The conclusions emphasize the importance of tailored policy measures for both T1DM and T2DM, supported by an understanding of social and commercial determinants of health.

Q 2 Please highlight the limitations and strengths.

Overall, the work stands out for its robust methodology and its potential impact on shaping effective public health strategies.

Q 3 Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

No comments.

PLEASE COMMENT

Q 4 Is the title appropriate, concise, attractive?

I recommend modifying the title by replacing 'adolescents' with 'individuals aged 10–24' to more accurately reflect the specific age group investigated in the study.

"The burden of type 1 and type 2 diabetes among individuals aged 10–24 in 24 Western European countries, 1990–2019: results from the Global Burden of Disease Study 2019"

Q 5 Are the keywords appropriate?

Yes

Q 6 Is the English language of sufficient quality?

Yes

Q 7 Is the quality of the figures and tables satisfactory?

Yes.

Q 8 Does the reference list cover the relevant literature adequately and in an unbiased manner?)

Yes

QUALITY ASSESSMENT

Q 9 Originality

Q 10 Rigor

Q 11 Significance to the field

Q 12 Interest to a general audience

Q 13 Quality of the writing

Q 14 Overall scientific quality of the study

REVISION LEVEL

Q 15 Please make a recommendation based on your comments:

Accept.