

Manuscript

A 10-year review of trends, outcomes, prevalence, incidence and demographics of children and young people with type 1 diabetes in England and Wales

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To the Editor and Reviewers

Thank you very much to the Editor and Reviewers for reviewing the paper. The authors have carefully considered the very helpful comments and suggestions raised by the expert reviewers. We have made changes to the manuscript as suggested (these are highlighted in red in the manuscript). Below is a point-by-point response to the comments raised.

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: The manuscript entitled "A 10-year review of trends, outcomes, prevalence, incidence and demographics of children and young people with type 1 diabetes in England and Wales" by Sze May Ng and Astha Soni aims to summarize recent data on clinical characteristics of the population of children and young people by age, insulin regimen, complication rates, health inequalities, access to diabetes technology, socioeconomic deprivation, and glycemic outcomes over the past decade. The authors suggested that there is limited research into the challenges or barriers of using diabetes technology and concerns felt by end-users, and further research to be able to devise responsible and effective solutions

long-term are much needed. The topic of the manuscript is highly relevant and timely in view of the latest statistical data on the incidence of diabetes mellitus in the world. The manuscript is well written, interesting, and easy to read and understand. The manuscript is well structured; all the conclusions are supported by recent research.

Response

Thank you to the reviewer for the comments.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade A (Priority publishing)

Conclusion: Minor revision

Specific Comments to Authors: I would like to congratulate authors for their work on a ten years review of children and young people with Type 1 DM in UK.

Although this manuscript is already well written, I hope my input can improve the manuscript further. A) "The seasonal pattern of new diagnosis of T1DM was also disrupted in 2020/21. Previously there had been a consistent pattern of new diagnoses of Type 1 amongst CYP. " Are there any suggestion for the disrupted seasonal pattern in 2020-21? Is the pandemic to be blamed or ? Although it is understood the "consistent pattern" authors mentioned means more new case in winter, it is still preferably explained in words explicitly. B) Figure one nicely outlined the timeline of the various QI initiatives. However, readers, particularly those outside UK, may have difficulties correlating "Other national initiatives such as RCPCH Quality improvement programme " to "National diabetes QI programme introduced" in 2017/18. (<https://www.rcpch.ac.uk/work-we-do/quality-improvement-patient-safety/diabetes-quality-programme>) It will be much better if details are elaborated more so that clinicians from other countries can get a better

Response

Thank you to the reviewer for the suggestions. Further inout on the seasonal patterns are now postulated and discussed. Figures are also explained with greater

clarity and detail

(1) Science editor:

The manuscript has been peer-reviewed, and it's ready for the first decision.

Language Quality: Grade B (Minor language polishing)

Scientific Quality: Grade B (Very good)

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Diabetes, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor. In order to respect and protect the author's intellectual property rights and prevent others from misappropriating figures without the author's authorization or abusing figures without indicating the source, we will indicate the author's copyright for figures originally generated by the author, and if the author has used a figure published elsewhere or that is copyrighted, the author needs to be authorized by the previous publisher or the copyright holder and/or indicate the reference source and copyrights. Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2023. If an author of a submission is re-using a figure or figures published elsewhere, or that is copyrighted, the author must provide documentation that the previous publisher or copyright holder has given permission for the figure to be re-published; and correctly indicating the reference source and copyrights. For example, "Figure 1 Histopathological examination by hematoxylin-eosin staining

(200 ×). A: Control group; B: Model group; C: Pioglitazone hydrochloride group; D: Chinese herbal medicine group. Citation: Yang JM, Sun Y, Wang M, Zhang XL, Zhang SJ, Gao YS, Chen L, Wu MY, Zhou L, Zhou YM, Wang Y, Zheng FJ, Li YH. Regulatory effect of a Chinese herbal medicine formula on non-alcoholic fatty liver disease. World J Gastroenterol 2019; 25(34): 5105-5119. Copyright ©The Author(s) 2019. Published by Baishideng Publishing Group Inc[6]”. And please cite the reference source in the references list. If the author fails to properly cite the published or copyrighted picture(s) or table(s) as described above, he/she will be subject to withdrawal of the article from BPG publications and may even be held liable.

Response

Thank you . The Figures are submitted in powerpoint