

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 81821

Title: Ten-year review of trends and incidence in children and young people with type 1 diabetes in England and Wales

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05461375

Position: Peer Reviewer

Academic degree: FRCP, FRCPE, MBChB, MSc

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: United Kingdom

Manuscript submission date: 2023-02-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-20 03:20

Reviewer performed review: 2023-02-21 03:27

Review time: 1 Day

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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 grasp on situation in UK.

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Reviewer's code: 05477765

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor, Senior Researcher

Reviewer's Country/Territory: Russia

Author's Country/Territory: United Kingdom

Manuscript submission date: 2023-02-03

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-02-20 06:50

Reviewer performed review: 2023-02-28 21:05

Review time: 8 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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.