

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 47187

**Title:** Correlating the global increase in type 1 diabetes incidence across age groups with national economic prosperity: A systematic review

**Reviewer's code:** 00058696

**Position:** Editor-in-Chief

**Academic degree:** MD

**Professional title:** Doctor, Professor

**Reviewer's country:** United States

**Author's country:** Colombia

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2019-05-07 14:41

**Reviewer performed review:** 2019-05-16 00:11

**Review time:** 8 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

I have carefully read this new manuscript. This manuscript is a reasonable extension of a prior study by the authors. My major questions are summarized below: 1) My major concern is that the authors have greatly extrapolated their results. Emphasis is placed on the “traditional” suggestion that type 1 diabetes is an “autoimmune” disorder. Do the authors have information to support the view (from multiple other disorders) that exposure to an environmental agent or factor in an individual with a genetic predisposition may lead to a chronic disease? Specifically do the authors have sufficient data to look for a Birth Cohort Effect? 2) The authors could more systematically describe how factors potentially related to national economic prosperity might function as an environmental agent or factor, such as obesity, rates of immunization (? inadequate blocking antibodies), nutritional factors, and population density. 3) Page 14, line 372: “epidemiological studies of T1D ...to determine genetic and environmental factors”. It is unlikely that epidemiological or demographic studies will prove cause and effect, but certainly epidemiological and demographic studies can provide evidence to develop a hypothesis to then be further tested. 4) In Limitations, page 15, consider describing the geographical distribution of the 26 countries that were used to generate the major results.

## **INITIAL REVIEW OF THE MANUSCRIPT**

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