



Supplementary Table S1. Results of the methodological quality assessment the Appraisal tool for Cross-Sectional Studies (AXIS).

Amado Alonso, 2020 Cuesta-Zamora, 2018 Markey, 2007 Peres, 2017 Pollatos, 2020 Zavala Berbena, 2018 Li, 2019 Li, 2018 Wong, 2014

Study design										
1	Were the aims/objectives of the study clear?	+	+	+	+	+	+	+	+	+
2	Was the study design appropriate for the stated aim(s)?	+	+	-	+	+	+	-	-	+
Selection bias										
3	Was the sample size justified?	+	+	+	-	+	-	-	-	+
4	Was the target/reference population clearly defined? (Is it clear who the research was about?)	+	+	-	+	+	+	+	+	+
5	Was the sample frame taken from an appropriate population base so that it closely represented the target/reference population under investigation?	+	+	-	-	+	+	+	+	+
6	Was the selection process likely to select subjects/participants that were representative of the target/reference population under investigation?	+	-	-	-	+	+	+	+	+
7	Were measures undertaken to address and categorise non-responders?	?	+	?	+	+	?	-	-	+
Measurement bias										
8	Were the risk factor and outcome variables measured appropriate to the aims of the study?	+	+	+	+	+	+	+	+	+
9	Were the risk factor and outcome variables measured correctly using instruments/measurements that had been trialled, piloted or published previously?	+	+	+	+	+	+	+	+	+
Reporting bias										
10	Is it clear what was used to determined statistical significance and/or precision estimates? (e.g. p-values, confidence intervals)	+	+	+	+	+	+	+	+	+
11	Were the methods (including statistical methods) sufficiently described to enable them to be repeated?	+	+	+	+	+	+	+	+	+
12	Were the basic data adequately described?	+	+	+	+	+	+	-	+	+
13	Does the response rate raise concerns about non-response bias?	?	-	+	?	+	?	+	+	+
14	If appropriate, was information about non-responders described?	?	+	+	?	+	?	+	+	+
15	Were the results internally consistent?	+	+	+	+	+	+	+	+	+
16	Were the results presented for all the analyses described in the methods?	+	+	+	-	+	+	+	+	+

Confounding										
17	Were the authors' discussions and conclusions justified by the results?	+	+	+	-	+	+	+	+	-
18	Were the limitations of the study discussed?	+	+	+	+	+	+	+	+	+
19	Were there any funding sources or conflicts of interest that may affect the authors' interpretation of the results?	+	+	+	+	+	+	+	+	+
20	Was ethical approval or consent of participants attained?	+	+	+	+	+	+	+	+	+

Note. Plus signs (+) indicate absence of risk of bias, minus signs (-) indicate potential risk of bias and question marks (?) indicate absence of information to assess the AXIS item.