

## Electronic Supplementary Material

### ESM 2. Study quality scores obtained for the appraisal tool for cross-sectional studies (AXIS)

Item No	Question	Yes	No	Unclear	Not Applicable
1	Were the aims/objectives of the study clear?	17	0	0	0
2	Was the study design appropriate for the stated aim(s)?	17	0	0	0
3	Was the sample size justified?	0	17	0	0
4	Was the target/reference population clearly defined? (Is it clear who the research was about?)	16	1	0	0
5	Was the sample frame taken from an appropriate population base so that it closely represented the target/reference population under investigation?	0	0	17	0
6	Was the selection process likely to select subjects/participants who were representative of the target/reference population under investigation?	0	0	17	0
7	Were measures undertaken to address and categorize nonresponders?	1	16	0	0
8	Were the risk factor and outcome variables measured appropriate to the aims of the study?	17	0	0	0
9	Were the risk factor and outcome variables measured correctly using instruments/measurements that had been trialed, piloted, or published previously?	10 <sup>a</sup> 7 <sup>b</sup>	0	0	0
10	Is it clear what was used to determine statistical significance and/or precision estimates? (e.g., <i>p</i> -values, confidence intervals)	6	11	0	0
11	Were the methods (including statistical methods) sufficiently described to enable them to be repeated?	17	1	0	0
12	Were the basic data adequately described?	17	0	0	0
13	Does the response rate raise concerns about nonresponse bias?	0	1	0	16
14	If appropriate, was information about nonresponders described?	1	0	0	16
15	Were the results internally consistent?	16	0	1	0
16	Were the results presented for all the analyses described in the methods?	17	0	0	0
17	Were the authors' discussions and conclusions justified by the results?	17	0	0	0
18	Were the limitations of the study discussed?	14	3	0	0
19	Were there any funding sources or conflicts of interest that may affect the authors' interpretation of the results?	0	10	7	0
20	Was ethical approval or consent of participants obtained?	14	0	3	0

Note. <sup>a</sup>all measures, <sup>b</sup>all measures excl. experimental paradigm.