STROBE Statement—checklist of items that should be included in reports of observational studies

Section/item	Item No	Recommendation	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	Title; Page 1, line 8	Title; Abstract
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Page 2, line 25-28	Abstract
Introduction				
Background/ rationale	2	Explain the scientific background and rationale for the investigation being reported	Page 3, line 34-49	1. Introduction
Objectives	3	State specific objectives, including any prespecified hypotheses	Page 4, line 76-78	1. Introduction
Methods				
Study design	4	Present key elements of study design early in the paper	Page 5, line 85-101	2.1. Study design
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Page 9, line 172-174, Page 10, line 185-187	2.3. Participants and sample size; 2.4.
Participants	6	(a) ***Cohort study***—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up ***Case-control study***—Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls ***Cross-sectional study***—Give the eligibility criteria, and the sources and methods of selection of participants	Page 9, line 174-176, Page 10, line 185-188	2.3. Participants and sample size; 2.4. Procedure
		(b) ***Cohort study***—For matched studies, give matching criteria and number of exposed and unexposed ***Case-control study***—For matched studies, give matching criteria and the number of controls per case	N/A	This study is not a cohort or case-control study.
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Page 5-6, line 105-106, Table 1; Page 10-11, line	2.1. Study design; 2.5 Data analysis
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	Page 10, line 195-204	2.5. Data analysis
Bias	9	Describe any efforts to address potential sources of bias	Page 11, line 212-213	2.5. Data analysis
Study size	10	Explain how the study size was arrived at	Page 9, line 177-182	2.3. Participants and
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	N/A	No quantitative variables were collected in this

Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	Page 10-11,line 195-213	2.5. Data analysis
		(b) Describe any methods used to examine subgroups and interactions	Page 10, line 211-213	2.5. Data analysis
		(c) Explain how missing data were addressed	Page 11, line 217-218	3.1. Sociodemographic
		(d) ***Cohort study***—If applicable, explain how loss to follow-up was addressed ***Case-control study***—If applicable, explain how matching of cases and controls was addressed ***Cross-sectional study***—If applicable, describe analytical methods taking account of sampling strategy	Page 9, line 172-174	2.3. Participants and sample size
		(e) Describe any sensitivity analyses	N/A	No sensitivity analysis
Results				
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	Page 11, line 217-218	3.1. Sociodemographic characteristics of the
		(b) Give reasons for non-participation at each stage	Page 11, line 217-218	3.1. Sociodemographic
		(c) Consider use of a flow diagram	N/A	The participants flow was
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Page 11-12, line 220-221, Table 3	3.1. Sociodemographic characteristics of the
		(b) Indicate number of participants with missing data for each variable of interest	N/A	Participants with missing
		(c) ***Cohort study***—Summarise follow-up time (eg, average and total amount)	N/A	This study is not a cohort
Outcome data	15*	***Cohort study***—Report numbers of outcome events or summary measures over time	N/A	This study is not a cohort
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	N/A	This study is not a
		Cross-sectional study—Report numbers of outcome events or summary measures	N/A	Discrete choice
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	Page 13, line 243-244, Table 4	3.2. Influence of health app attributes and
		(b) Report category boundaries when continuous variables were categorized	Page 10, line 200-204;	2.5. Data analysis; 3.2.
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A	Risk was not relevant to
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	Page 14, line 246-253	3.3. Interaction effects
Discussion				
Key results	18	Summarise key results with reference to study objectives	Page 14, line 257-260	4.1. Main findings
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Page 20-21, line 419-427	4.3. Limitations

Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Page 14-21, line 256-427	4. Discussion
Generalisability	21	Discuss the generalisability (external validity) of the study results	Page 14-21, line 256-427	4. Discussion
Other information				
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	Page 22, line 445-447	Acknowledgments

*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.

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*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.