S1 STROBE Statement

	Item No	Recommendation
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the
		abstract
		See Title
		(b) Provide in the abstract an informative and balanced summary of what was
		done and what was found
		See Abstract
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being
		reported
		See all of Introduction except final paragraph
Objectives	3	State specific objectives, including any prespecified hypotheses
		See Introduction, final paragraph
Methods		
Study design	4	Present key elements of study design early in the paper
		See Methods, first paragraph
Setting	5	Describe the setting, locations, and relevant dates, including periods of
		recruitment, exposure, follow-up, and data collection
		See Methods, second paragraph
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
		See Methods, second paragraph
		(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
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and
		effect modifiers. Give diagnostic criteria, if applicable
		See Methods subsections on Outcomes, County and commuting zone level social
		determinant exposures, State and local social determinant exposures, and Covariates
Data sources/	8*	For each variable of interest, give sources of data and details of methods of
measurement		assessment (measurement). Describe comparability of assessment methods if
		there is more than one group
		See Methods subsections on Outcomes, County and commuting zone level social
		determinant exposures, State and local social determinant exposures, and
		Covariates
Bias	9	Describe any efforts to address potential sources of bias
		See Methods subsections on Covariates, Statistical analysis
Study size	10	Explain how the study size was arrived at
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		See Methods section, first paragraph
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable,
		describe which groupings were chosen and why
		See Methods subsection on Statistical analysis
Statistical methods	12	(a) Describe all statistical methods, including those used to control for
		confounding
		See Methods subsection on Statistical analysis
		(b) Describe any methods used to examine subgroups and interactions
		See Methods subsection on Statistical analysis, third last paragraph for mediation
		analysis description
		(c) Explain how missing data were addressed
		See Results section, first paragraph
		(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
		N/A
		(\underline{e}) Describe any sensitivity analyses
		See Methods subsection on Statistical analysis

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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
		See Results section, first paragraph
		(b) Give reasons for non-participation at each stage
		N/A
		(c) Consider use of a flow diagram
Descriptive	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and
data		information on exposures and potential confounders
		See Results section, first paragraph
		(b) Indicate number of participants with missing data for each variable of interest
		See Results section, first paragraph
		(c) Cohort study—Summarise follow-up time (eg, average and total amount)
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time
		Case-control study—Report numbers in each exposure category, or summary measures of
		exposure
		Cross-sectional study—Report numbers of outcome events or summary measures
		See Results section, first paragraph
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
		See Results section, paragraphs 2-5
		(b) Report category boundaries when continuous variables were categorized
		N/A
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a
		meaningful time period
		N/A
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity
		analyses
		See Results section, last 4 paragraphs
Dia		
Discussion		
	18	Summarise key results with reference to study objectives
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Key results	18	
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Discussion Key results Limitations Interpretation Generalisability Other information	19 20 21	See Discussion section, first paragraph Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias See Discussion subsection on Strengths and limitations, paragraphs 2-5 Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence See Discussion subsection on Implications of the study, second and third paragraphs Discuss the generalisability (external validity) of the study results

*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.