

Responses yes/no/unclear/not applicable											
Case-control studies											
Study name	Were the groups comparable other than the presence of disease in cases or the absence of disease in controls?	Were cases and controls matched appropriately?	Were the same criteria used for identification of cases and controls?	Was exposure measured in a standard, valid and reliable way?	Was exposure measured in the same way for cases and controls?	Were confounding factors identified?	Were strategies to deal with confounding factors stated?	Were outcomes assessed in a standard, valid and reliable way for cases and controls?	Was the exposure period of interest long enough to be meaningful?	Was appropriate statistical analysis used?	Comments
Speaker 2020	No	Unclear	No	Yes	No	No	No	Partial (unadjusted)	Yes	No	unadjusted analysis. Very low response rate. Self-report. Low viral circulation.
Doung-ngern 2020	Yes	No	Yes	No	Yes	Unclear	Unclear	Unclear	Yes	Unclear	Outcomes based on self-report, not all controls were PCR tested (some may have been asymptomatic)
Cohort studies											
	Were the two groups similar and recruited from the same population?	Were the exposures measured similarly to assign people to both exposed and unexposed groups?	Was the exposure measured in a valid and reliable way?	Were confounding factors identified?	Were strategies to deal with confounding factors stated?	Were the groups/participants free of the outcome at the start of the study (or at the moment of exposure)?	Were the outcomes measured in a valid and reliable way?	Was the follow up time reported and sufficient to be long enough for outcomes to occur?	Was follow up complete, and if not, were the reasons to loss to follow up described and explored?	Were strategies to address incomplete follow up utilised?	Was appropriate statistical analysis used? Comments
Hong 2020	Unclear	Yes	No	No	No	Unclear	Unclear	Unclear	Unclear	Unclear	No (unadjusted) Epidemiological analysis - many details not reported
Wang 2020	No	Yes	No	No	No	Unclear	Yes	Unclear	Yes	NA	Unclear (unadjusted for index case - adjusted for household level analysis)
Cross-sectional studies											
	Were the criteria for inclusion in the sample clearly defined?	Were the study subjects and the setting described in detail?	Was the exposure measured in a valid and reliable way?	Were objective, standard criteria used for measurement of the condition?	Were confounding factors identified?	Were strategies to deal with confounding factors stated?	Were the outcomes measured in a valid and reliable way?	Was appropriate statistical analysis used?	Comments		
Cheng 2020	Partially	No	No	Unclear	No	No	Yes	No	identified clusters of cases from mask-on and mask-off settings - no individual level data		
Clipman 2020	Partially	Yes	No	No	Yes	Partially	No	Partial (unadjusted due to small numbers)			
Xu 2020	Yes	Yes	No	Unclear	Yes	Yes	No	Yes	Exposure (face masks) and outcome based on self-report in online questionnaire.		