

Additional file 3. Results of the methodological quality appraisal of the included studies.

Additional file 3. Results of reporting quality assessment of Racial/Ethnic and Socioeconomic Disparities in COVID-19 studies using JBI critical appraisal checklist for analytical cross-sectional studies										
Author, year	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Score (out of 8)	Score %
Abedi et al. 2020. (1)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Adhikari et al. (2)	Y	U	Y	Y	N	N	Y	Y	5	62.5
Ahmad et al. 2020. (3)	Y	Y	Y	Y	Y	N	Y	Y	7	87.5
Baqui et al. 2020. (4)	Y	Y	Y	Y	N	N	Y	Y	6	75
de Lusignan et al. 2020. (5)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Egede et al. 2020. (6)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Farrell et al. 2020. (7)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Goyal et al. 2020. (8)	Y	Y	Y	Y	Y	U	Y	Y	7	87.5
Hawkins et al. 2020. (9)	Y	Y	Y	Y	N	N	Y	Y	6	75
Holmes et al. 2020. (10)	Y	N	Y	Y	N	N	Y	Y	5	62.5
Kim et al. 2020. (11)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Mahajan et al. 2020. (12)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Munoz-Price et al. 2020. (13)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Ojinnaka et al. 2020. (14)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Rodriguez et al. 2020. (15)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Lieberman-Cribbin et al. 2020. (16)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Loomba et al. 2021. (17)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Holtgrave et al. 2020. (18)	Y	Y	Y	Y	Y	N	Y	Y	7	87.5
Baena-Diez et al. 2020. (19)	Y	Y	Y	Y	Y	N	Y	Y	7	87.5
Boserup et al. 2020. (20)	Y	Y	Y	Y	Y	N	Y	Y	7	87.5
DiMaggio et al. 2020. (21)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Fielding-Miller et al. 2020. (22)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Figueiredo et al. 2020. (23)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Hu et al. 2020. (24)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Madhav et al. 2020. (25)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Raine et al. 2020. (26)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Ossimetha et al. 2021. (27)	Y	Y	Y	Y	N	N	Y	Y	6	62.5
Khanijahani et al. 2021. (28)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Khanijahani et al. 2021. (29)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Weech-Maldonado et al. 2021. (30)	Y	Y	Y	Y	Y	Y	Y	Y	8	100
Average score										86.25
Y: Yes N: No U: Unclear NA: Not Applicable Q1: Were the criteria for inclusion in the sample clearly defined? Q2: Were the study subjects and the setting described in detail? Q3: Was the exposure measured in a valid and reliable way? Q4: Were objective, standard criteria used for measurement of the condition? Q5: Were confounding factors identified? Q6: Were strategies to deal with confounding factors stated? Q7: Were the outcomes measured in a valid and reliable way? Q8: Was appropriate statistical analysis used?										

Additional file 3: Results of reporting quality assessment of Racial/Ethnic and Socioeconomic Disparities in COVID-19 studies using JBI critical appraisal checklist for cohort studies

Author, year	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Score (out of 11)	Score %
Adegunsoye et al. 2020. (31)	Y	Y	Y	U	Y	Y	Y	Y	Y	NA	Y	9	81.8
Aldridge et al. 2020. (32)	Y	Y	Y	N	N	Y	Y	Y	Y	NA	Y	8	72.7
Azar et al. 2020. (33)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Drefahl et al. 2020. (34)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11	100
Gu et al. 2020. (35)	N	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	9	81.8
Ioannou et al. 2020. (36)	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	10	90.9
Joseph et al. 2020. (37)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11	100
Kabarriti et al. 2020. (38)	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	10	90.9
Kaufman et al. 2020. (39)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11	100
Khan et al. 2020. (40)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11	100
Lassale et al. 2020. (41)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	11	100
Misa et al. 2020. (42)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Niedzwiedz et al. 2020. (43)	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	10	90.9
Renelus et al. 2020. (44)	Y	Y	Y	U	U	Y	Y	Y	Y	Y	Y	9	81.8
Rentsch et al. 2020. (45)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Sapey et al. 2020. (46)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Soares et al. 2020. (47)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Yehia et al. 2020. (48)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Ali et al. 2021. (49)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Ayoubkhani et al. 2020. (50)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Hawkins et al. 2020. (51)	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	10	90.9
Average score													90.9

Y: Yes N: No U: Unclear NA: Not Applicable

Q1: Were the two groups similar and recruited from the same population?

Q2: Were the exposures measured similarly to assign people to both exposed and unexposed groups?

Q3: Was the exposure measured in a valid and reliable way?

Q4: Were confounding factors identified?

Q5: Were strategies to deal with confounding factors stated?

Q6: Were the groups/participants free of the outcome at the start of the study (or at the moment of exposure)?

Q7: Were the outcomes measured in a valid and reliable way?

Q8: Was the follow up time reported and sufficient to be long enough for outcomes to occur?

Q9: Was follow up complete, and if not, were the reasons to loss to follow up described and explored?

Q10: Were strategies to address incomplete follow up utilized?

Q11: Was appropriate statistical analysis used?

Additional file3. Results of reporting quality assessment of Racial/Ethnic and Socioeconomic Disparities in COVID-19 studies using JBI critical appraisal checklist for case control studies												
Author, year	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Score (out of 10)	Score %
Zakeri et al. 2020. (52)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10	100
Average score												100
Y: Yes N: No U: Unclear NA: Not Applicable Q1: Were the groups comparable other than the presence of disease in cases or the absence of disease in controls? Q2: Were cases and controls matched appropriately? Q3: Were the same criteria used for identification of cases and controls? Q4: Was exposure measured in a standard, valid and reliable way? Q5: Was exposure measured in the same way for cases and controls? Q6: Were confounding factors identified? Q7: Were strategies to deal with confounding factors stated? Q8: Were outcomes assessed in a standard, valid and reliable way for cases and controls? Q9: Was the exposure period of interest long enough to be meaningful? Q10: Was appropriate statistical analysis used?												

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