

Outcomes of patients with HIV and COVID-19 co-infection: a systematic review and meta-analysis

APPENDIX

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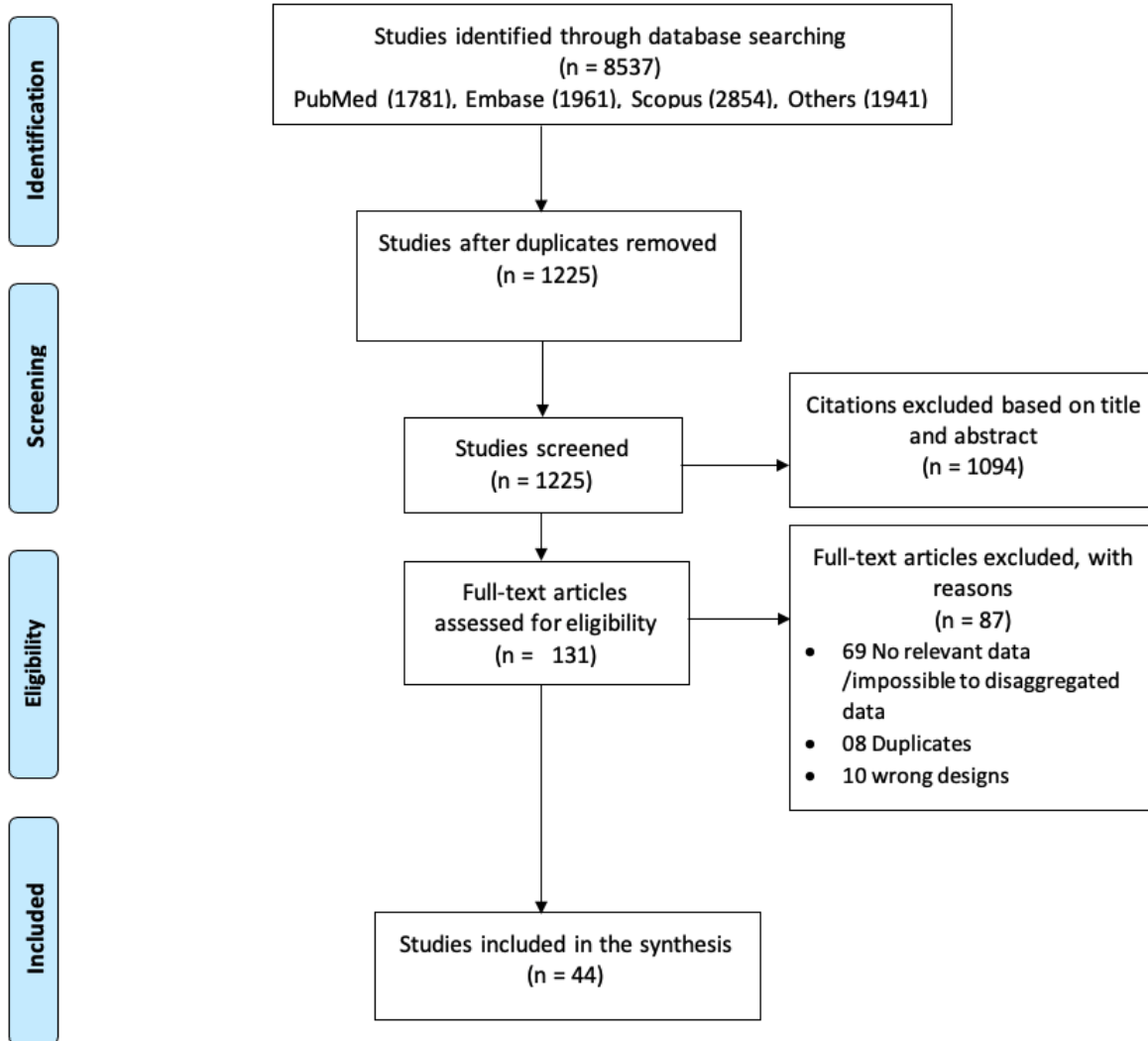


Figure 1. PRISMA flow

Table 1. Search strategy for PubMed

Search	Search terms
#1	"HIV"[MeSH] OR "HIV"[tiab]
#2	"COVID-19"[MeSH Terms] OR "COVID-19"[tiab]
#3	#1 AND #2
Date: 25 October 2021: 1781 citations found	

Table 2. Search strategy for EMBASE

Search	Search terms
#1	'human immunodeficiency virus infection':ti,ab,kw OR hiv:ti,ab,kw
#2	'coronavirus disease 2019':ti,ab,kw OR 'covid 19':ti,ab,kw OR 'sars cov2':ti,ab,kw
#3	#1 AND #2
Date: 25 October 2021: 1961 citations found	

Table 3. Search strategy for SCOPUS

Search	Search terms
#1	(TITLE-ABS-KEY-AUTH (hiv) OR TITLE-ABS-KEY ('human AND immunodeficiency AND virus AND infection'))
#2	(TITLE-ABS-KEY-AUTH ('coronavirus AND disease AND 2019') OR TITLE-ABS-KEY ('covid AND 19') OR TITLE-ABS-KEY (sars AND cov2))
#3	#1 AND #2
Date: 25 October 2021: 2854 citations found	

Proportion of HIV patients among COVID-19 patients according to location (Africa vs Outside Africa)

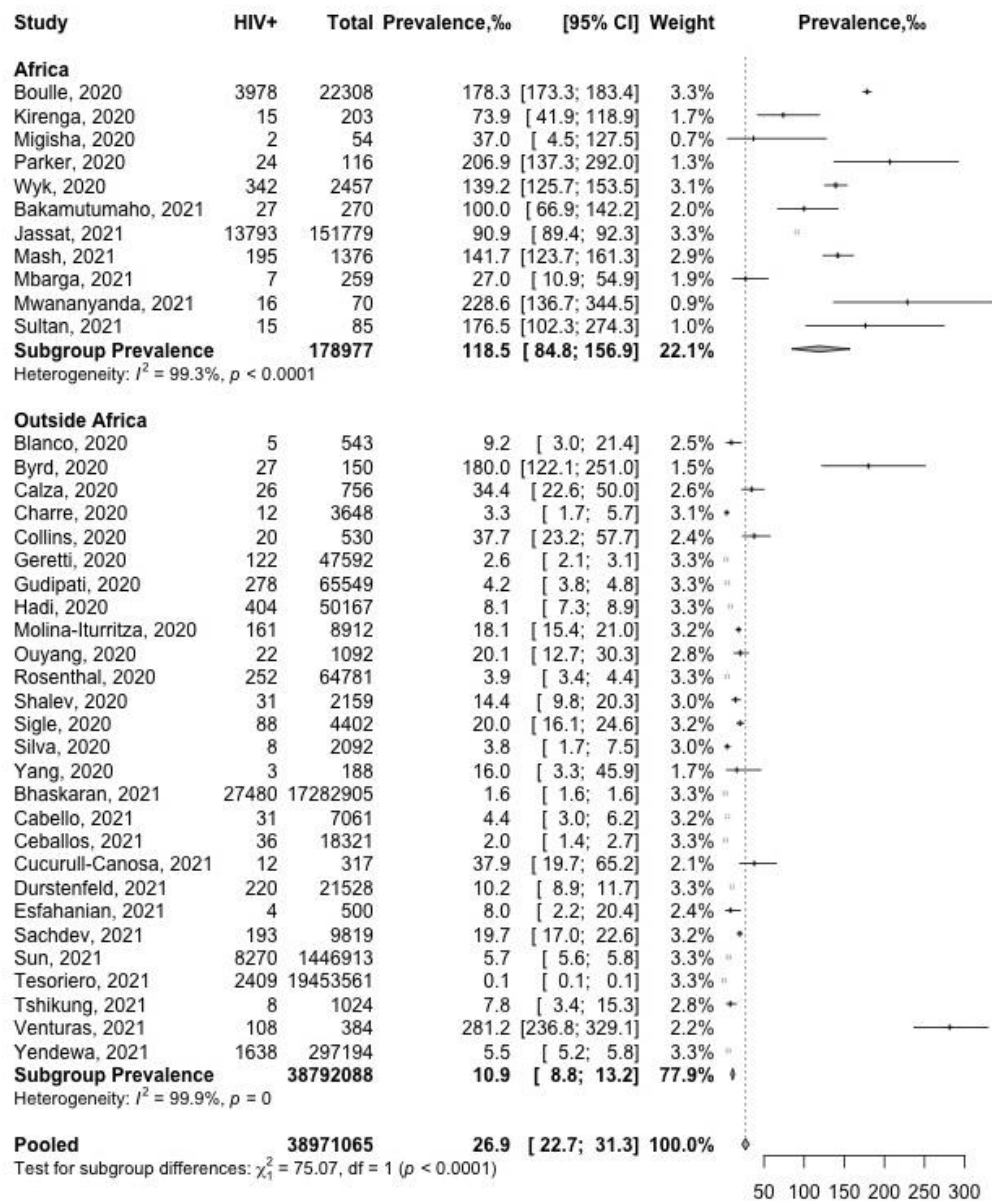


Figure 2. Proportion of HIV patients among COVID-19 patients according to location (Africa vs Outside Africa)

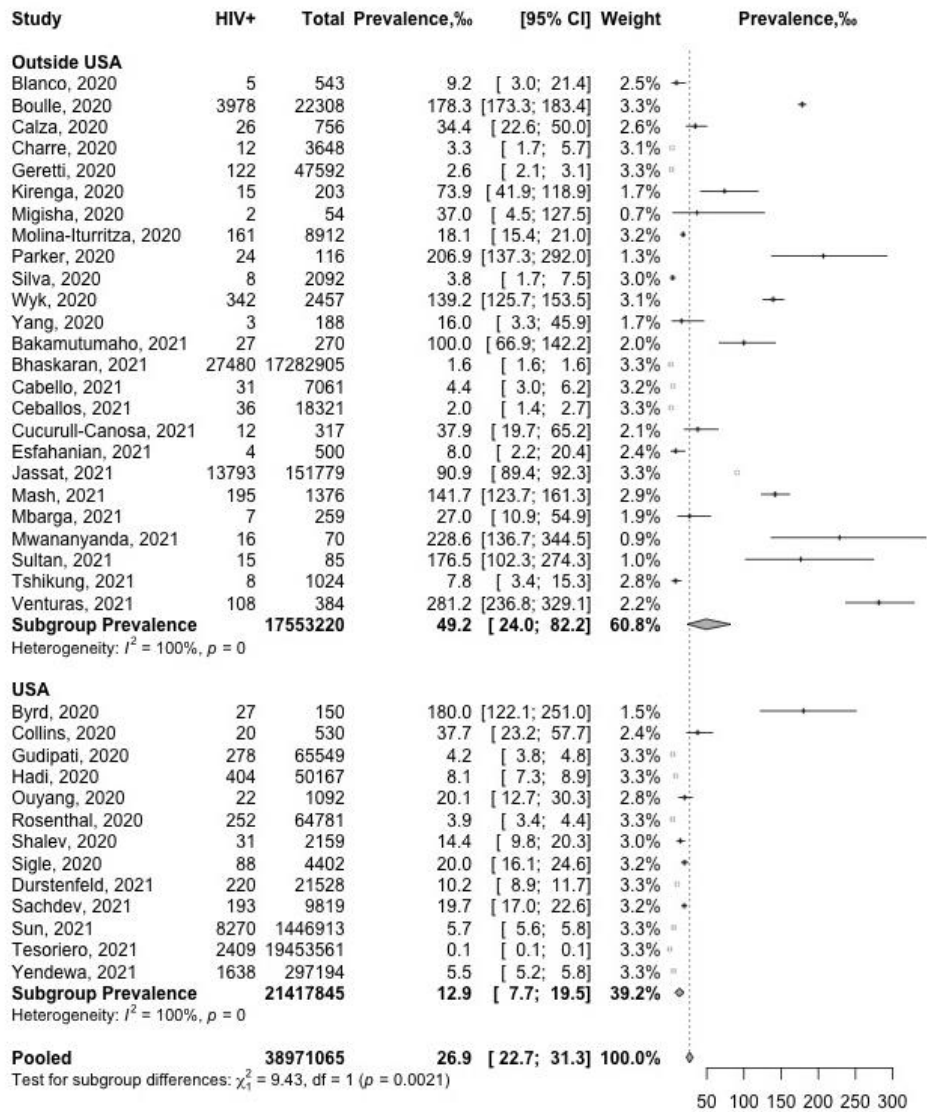
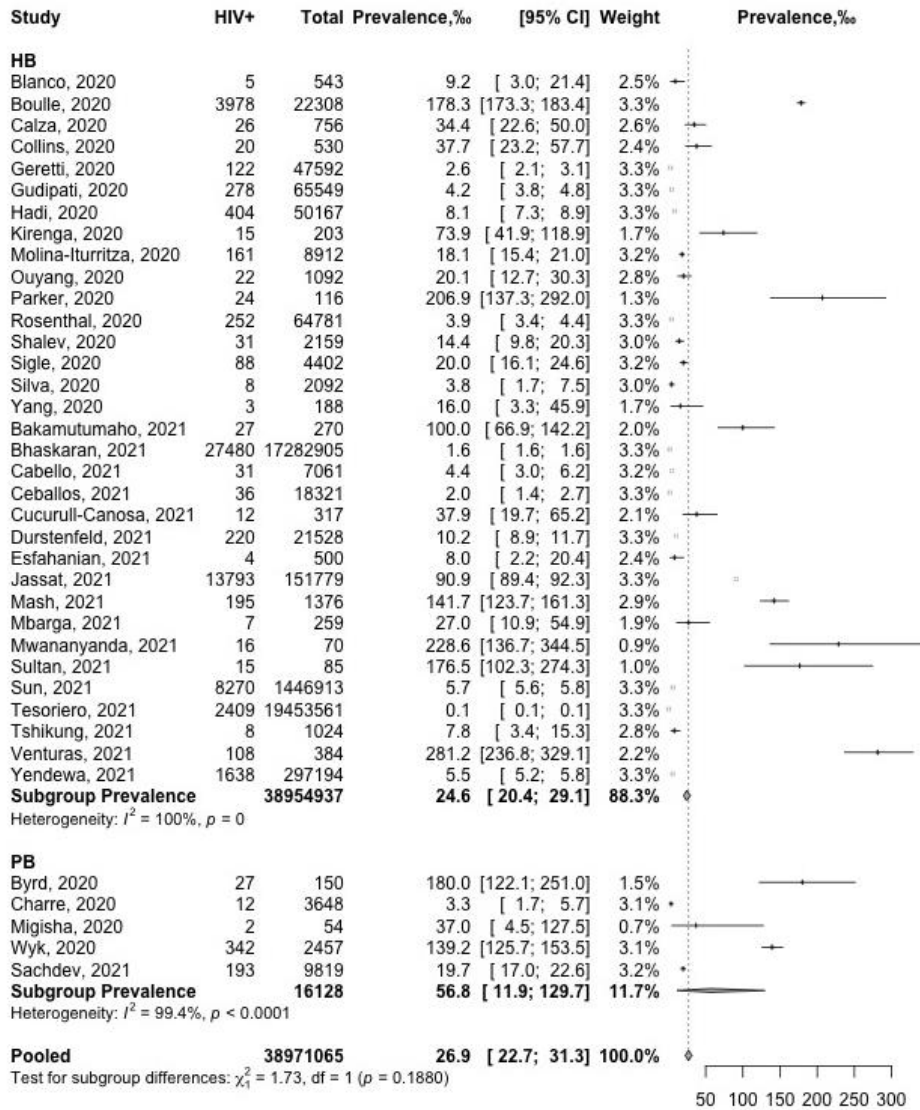


Figure 3. Proportion of HIV patients among COVID-19 patients according to location (USA vs Outside USA)



HB: hospital-based, PB: Population-based

Figure 4. Proportion of HIV patients among COVID-19 patients according to type of study

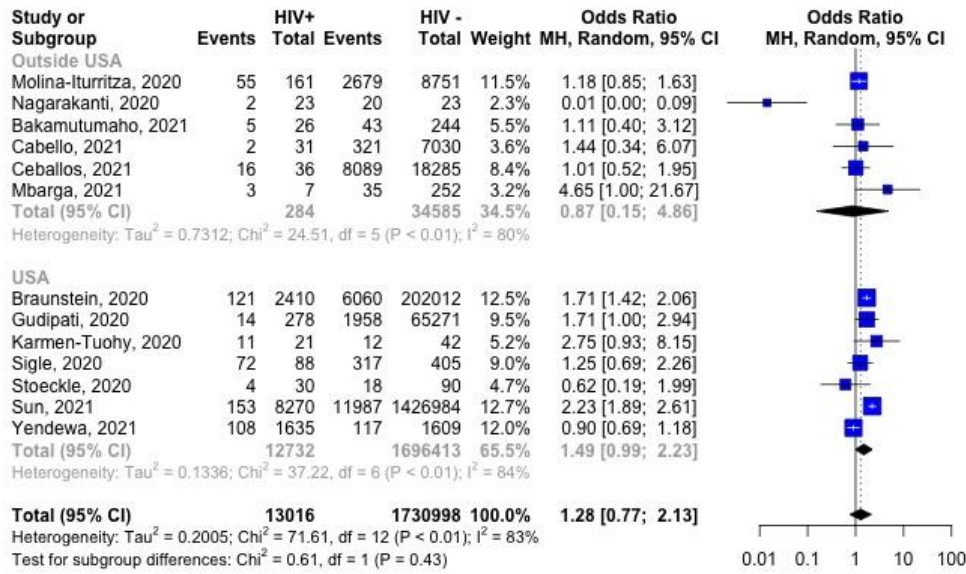


Figure 5. Odd of presenting with severe COVID-19 according to country location (USA vs Outside USA)

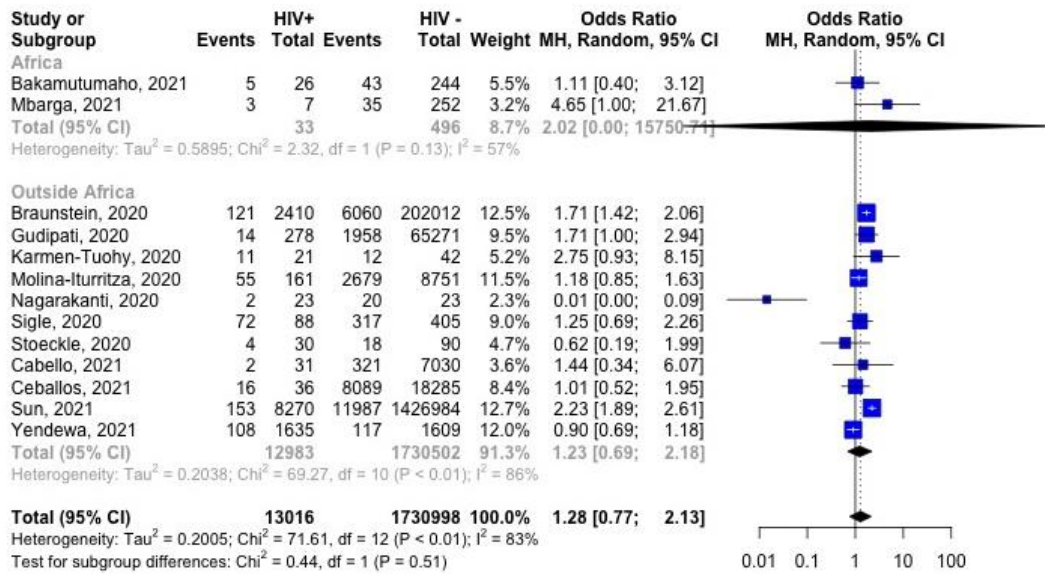


Figure 6. Odd of presenting with severe COVID-19 according to country location (Africa vs Outside Africa)

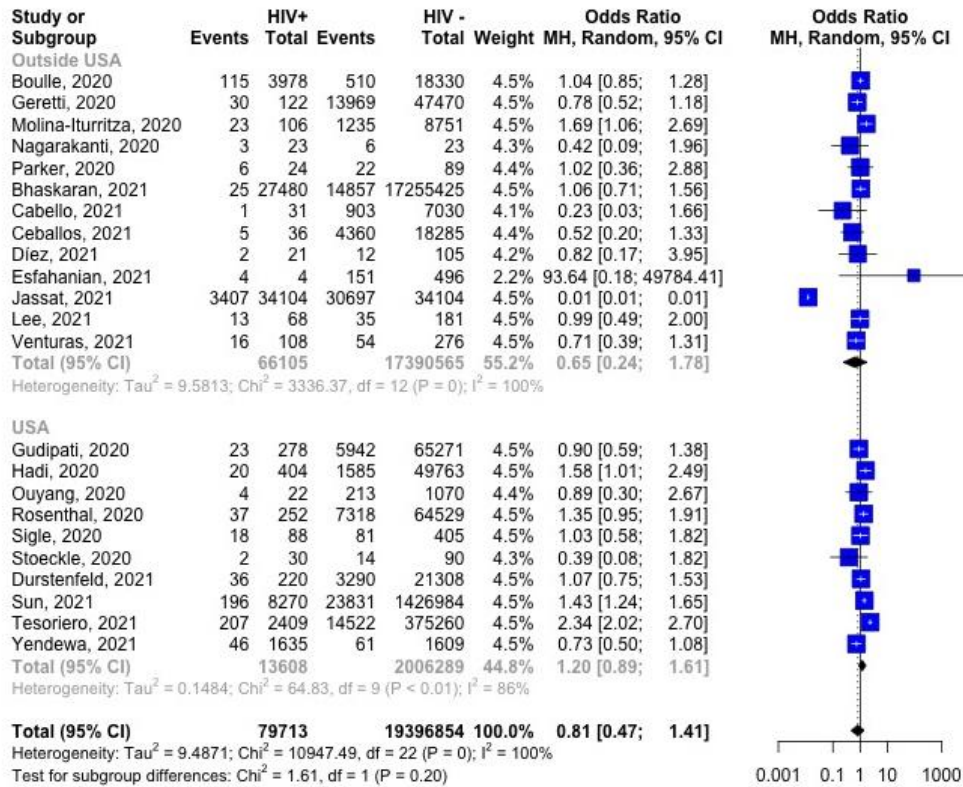


Figure 7. Mortality risk according to country location (USA vs Outside USA)

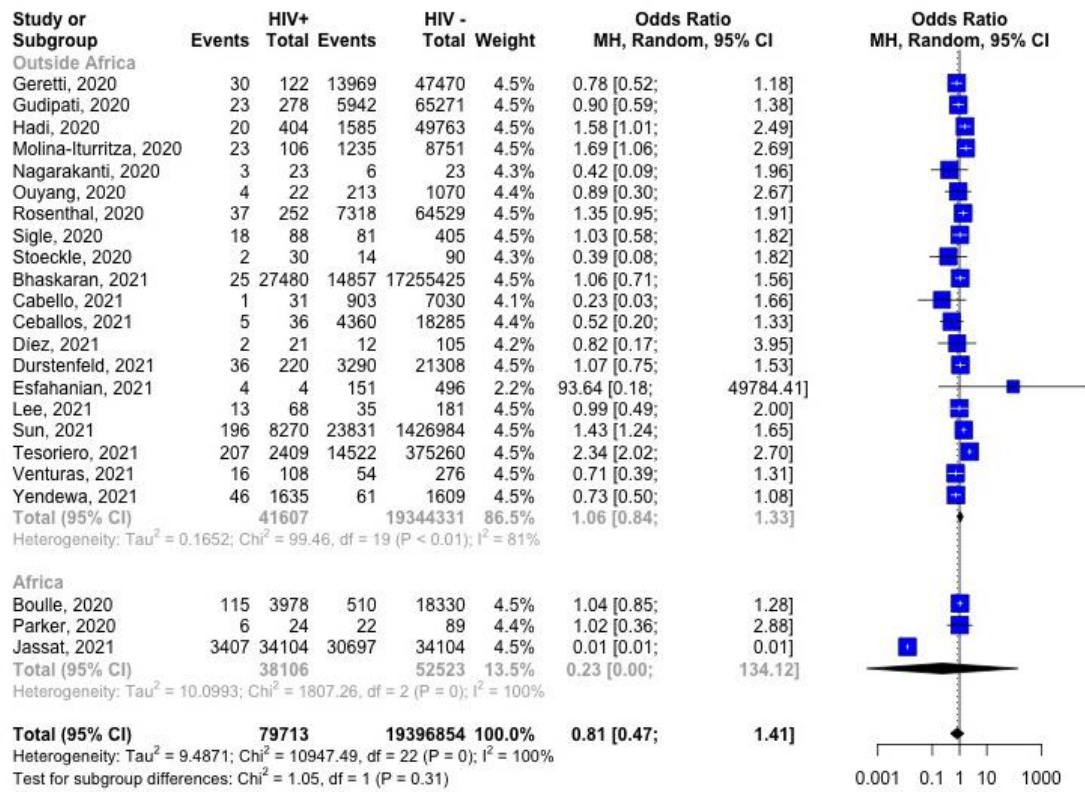
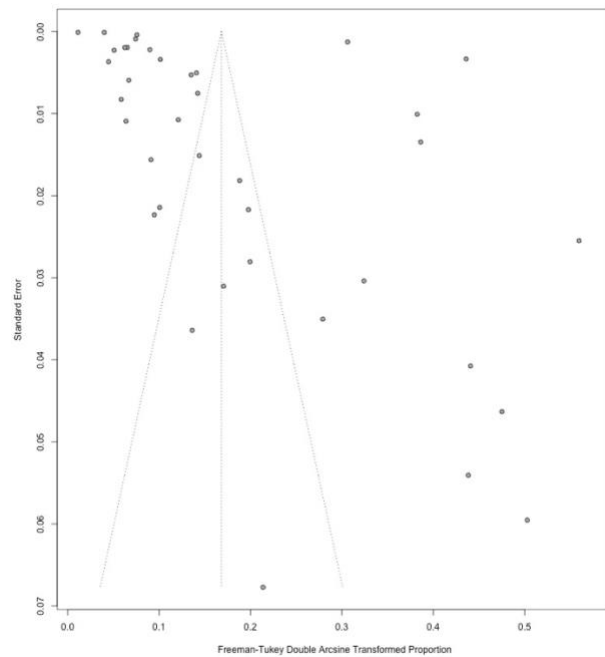


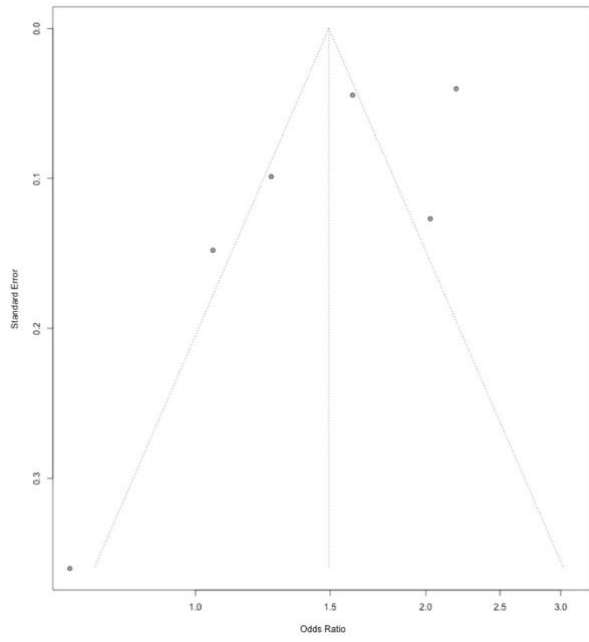
Figure 8. Mortality risk according to country location (Africa vs Outside Africa)

Publication Bias



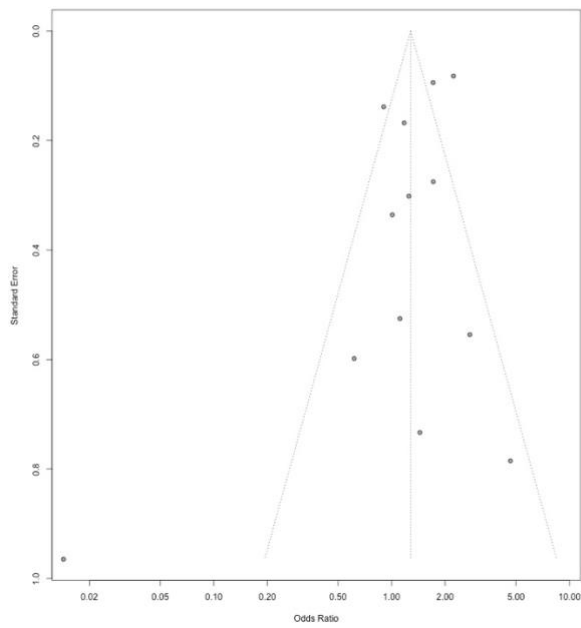
Egger's test p-value = 0.0115

Figure 9. Funnel plot of studies included in the meta-analysis of prevalence



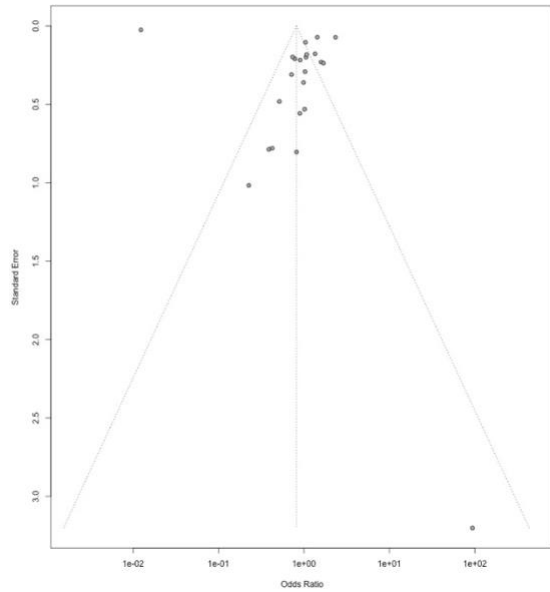
Egger's test p-value =0.1826

Figure 10. Funnel plot of studies included in the meta-analysis of In-hospital admission



Egger's test p-value =0.1218

Figure 11. Funnel plot of studies included in the meta-analysis of severity assessment



Egger test p-value = 0.0032

Figure 12. Funnel plot of studies included in the meta-analysis of mortality

Sensitivity analysis

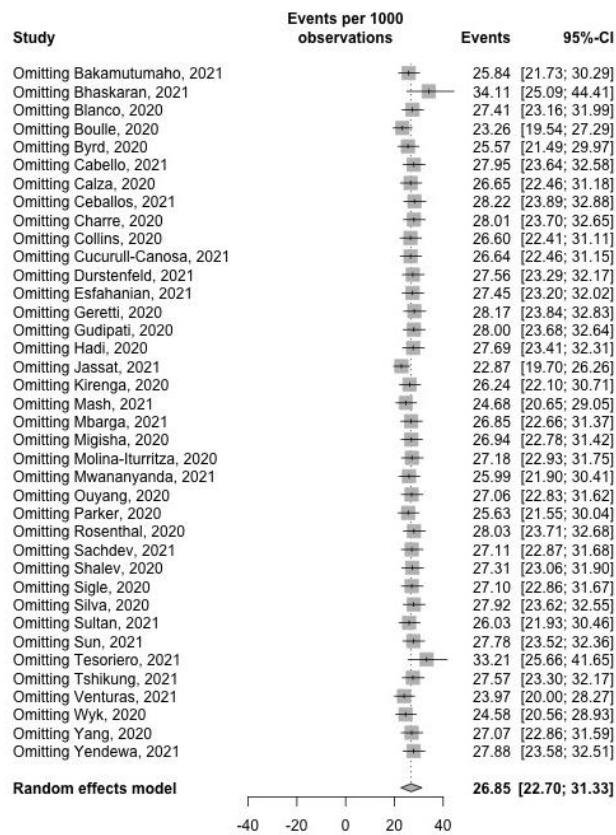


Figure 13. sensitivity analysis of studies included in prevalence assessment meta-analysis

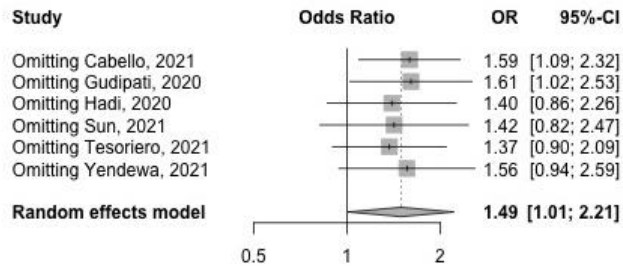


Figure 14. sensitivity analysis of studies included in in-hospital admission risk meta-analysis

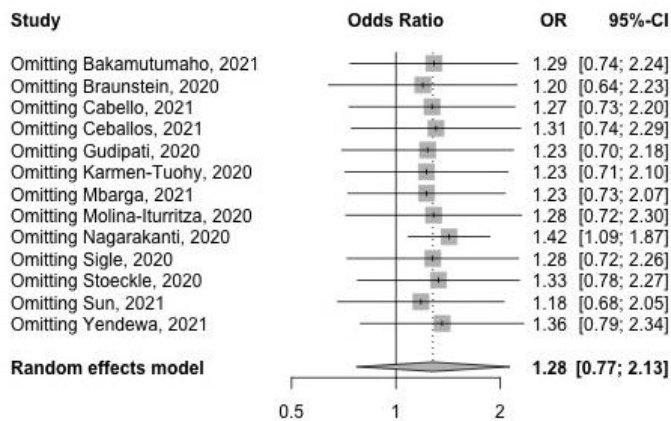


Figure 15. sensitivity analysis of studies included in Severity assessment meta-analysis

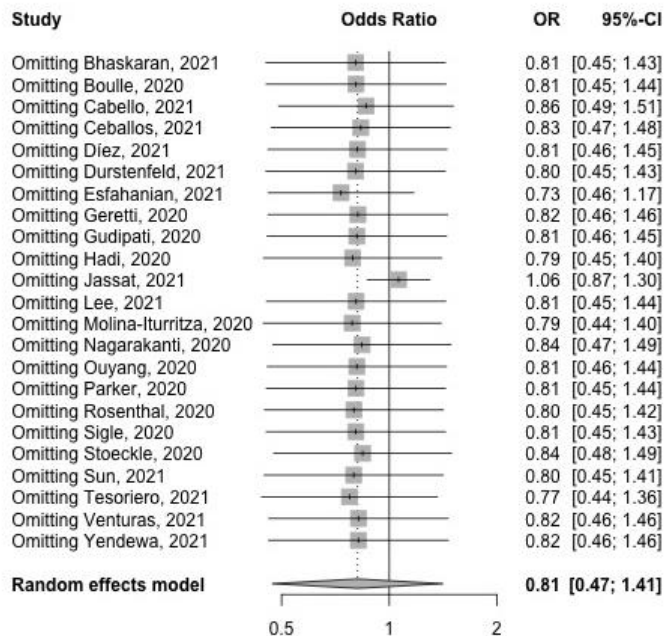


Figure 16. sensitivity analysis of studies included in mortality risk assessment