Supplement A

Figure S1. PRISMA Flow Diagram

2,485 references (Ovid Medline/Embase/medRxiv/bioRxiv/LitCOVID/TRIP/SSRN) 01/01/19-04/20/20
7,127 references (Ovid Medline/Embase/medRxiv/bioRxiv/LitCOVID) 4/20/20 – 6/15/20
3,101 references (medRxiv/bioRxiv/LitCOVID) 06/15/20 – 8/20/20
2,630 references (TRIP/SSRN) 4/20/20 – 8/20/20
11,193 references (Ovid Medline/Embase) 6/15/20 -10/03/20

Excluded:
- References from unpublished preprint servers
- Title/abstract clearly does not inform PICO

Excluded:
- No specificity reported
- Studies among recovered patients or more than 10 days between symptom onset and sample collection
- Results reported as number of

Studies included:
- 12 studies reporting DTA of rapid RT-PCR tests compared to a single standard laboratory-based NAAT as a reference standard or composite reference standard when available
- 9 studies reporting DTA of rapid isothermal NAAT tests compared to a single standard laboratory based NAAT as a reference standard or composite reference standard when available
- 4 studies reporting DTA of rapid RT-PCR and standard laboratory-based NAAT compared to a composite reference standard
- 4 studies reporting DTA of rapid isothermal NAAT and standard laboratory-based NAAT compared to a composite reference standard
- 20 studies reporting diagnostic test accuracy of sample sites in comparison to nasopharyngeal swabs (pooled)
- 8 studies reporting diagnostic test accuracy of sample sites

560 references full texts reviewed
12 systematic reviews identified for cross referencing