## Search strategy: Epidemiology of in-patient exposure to COVID-19

**Sources searched**  
ClinicalKey (1)  
Cochrane Database of Systematic Reviews (0)  
Google (Advanced) (1)  
NICE Evidence Search (0)  
TRIP Database (1)

**Date range used** (5 years, 10 years): 2019-2021   
**Limits used** (gender, article/study type, etc.): Date   
**Search terms and notes** (full search strategy for database searches below):

Search terms used in Nice Evidence Search, Cochrane Database of Systematic Reviews, TRIP Database, ClinicalKey & Google Advanced: Epidemiology of in patient exposure to COVID-19, Epidemiology of in-patient exposure to COVID-19 hospital patient COVID-19 infection control, hospital acquired COVID-19, hospital acquired coronavirus infection

I used the NICE (National Institute for Health & Care Excellence) COVID-19 search strategy for Medline (Ovid Platform) but majored the MESH terms and adapted the fields from .ti,ab,kw,kf. to ti. The means that the keyword search terms used in the COVID-19 strategy only returned articles with the terms in the title field. This was used to focus the search.

I tried a few different search strategies that brought back between 500-1000+ unsifted results. I have rigorously screen the results in order to provide you with a management set of documents. If you would like to see more, please let me know.

## C. Search History

|  | **Source** | **Criteria** | **Results** |
| --- | --- | --- | --- |
| 1. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | exp \*coronavirus/ | 34158 |
| 2. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | exp \*Coronavirus Infections/ | 64479 |
| 3. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | ((corona\* or corono\*) adj1 (virus\* or viral\* or virinae\*)).ti. | 423 |
| 4. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (coronavirus\* or coronovirus\* or coronavirinae\* or CoV).ti. | 32764 |
| 5. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | ("2019-nCoV\*" or 2019nCoV\* or "19-nCoV\*" or 19nCoV\* or nCoV2019\* or "nCoV-2019\*" or nCoV19\* or "nCoV-19\*" or "COVID-19\*" or COVID19\* or "COVID-2019\*" or COVID2019\* or "HCoV-19\*" or HCoV19\* or "HCoV-2019\*" or HCoV2019\* or "2019 novel\*" or Ncov\* or "n-cov" or "SARS-CoV-2\*" or "SARSCoV-2\*" or "SARSCoV2\*" or "SARS-CoV2\*" or SARSCov19\* or "SARS-Cov19\*" or "SARSCov-19\*" or "SARS-Cov-19\*" or SARSCov2019\* or "SARS-Cov2019\*" or "SARSCov-2019\*" or "SARS-Cov-2019\*" or SARS2\* or "SARS-2\*" or SARScoronavirus2\* or "SARS-coronavirus-2\*" or "SARScoronavirus 2\*" or "SARS coronavirus2\*" or SARScoronovirus2\* or "SARS-coronovirus-2\*" or "SARScoronovirus 2\*" or "SARS coronovirus2\*" or covid).ti. | 88380 |
| 6. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (respiratory\* adj2 (symptom\* or disease\* or illness\* or condition\*) adj5 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 109 |
| 7. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (("seafood market\*" or "food market\*") adj10 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 12 |
| 8. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (pneumonia\* adj3 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 225 |
| 9. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | ((outbreak\* or wildlife\* or pandemic\* or epidemic\*) adj1 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 37 |
| 10. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | "severe acute respiratory syndrome\*".ti. | 3064 |
| 11. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | or/1-10 | 115278 |
| 12. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | \*Hospitals/ or \*Hospitalization/ | 91405 |
| 13. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (hospital or hospitals or hospitalization or hospitalisation).ti,ab. | 1267650 |
| 14. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | or/12-13 | 1294313 |
| 15. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | \*Inpatients/ | 11376 |
| 16. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (in patient\*1 or in-patient\*1 or inpatient\*1).ti,ab. | 1877823 |
| 17. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | or/15-16 | 1882224 |
| 18. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | 14 and 17 | 256595 |
| 19. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | Cross infection/ or Infection Control/ | 75278 |
| 20. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | nosocomial.ti,ab. | 31067 |
| 21. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | ((infect\* or prevent\*) adj2 control).ti,ab. | 74217 |
| 22. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | transmiss\*.ti,ab. | 396603 |
| 23. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (hospital acquired-infection\* or hospital acquired infection\* or healthcare-associated infection\* or healthcare acquired infection\*).ti,ab. | 7455 |
| 24. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (infect\* adj3 cluster\*).ti,ab. | 1578 |
| 25. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | or/19-24 | 535009 |
| 26. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (secondary transmiss\* or secondary attack rate).ti,ab. | 746 |
| 27. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | exp Mortality/ | 394115 |
| 28. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (mortality or death\* or fatal\*).ti,ab. | 1577085 |
| 29. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | "Length of Stay"/ | 91697 |
| 30. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | (length of stay or LOS).ti,ab. | 98212 |
| 31. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | or/26-30 | 1880119 |
| 32. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | 11 and 18 and 25 and 31 | 126 |
| 33. | Ovid MEDLINE(R) ALL <1946 to February 19, 2021> | limit 32 to yr="2019 -Current" | 110 |
| 1. | Embase <1974 to 2021 Week 07> | exp \*Coronavirinae/ | 10679 |
| 2. | Embase <1974 to 2021 Week 07> | exp \*Coronavirus infection/ | 10481 |
| 3. | Embase <1974 to 2021 Week 07> | ((corona\* or corono\*) adj1 (virus\* or viral\* or virinae\*)).ti. | 485 |
| 4. | Embase <1974 to 2021 Week 07> | (coronavirus\* or coronovirus\* or coronavirinae\* or CoV).ti. | 31963 |
| 5. | Embase <1974 to 2021 Week 07> | ("2019-nCoV\*" or 2019nCoV\* or "19-nCoV\*" or 19nCoV\* or nCoV2019\* or "nCoV-2019\*" or nCoV19\* or "nCoV-19\*" or "COVID-19\*" or COVID19\* or "COVID-2019\*" or COVID2019\* or "HCoV-19\*" or HCoV19\* or "HCoV-2019\*" or HCoV2019\* or "2019 novel\*" or Ncov\* or "n-cov" or "SARS-CoV-2\*" or "SARSCoV-2\*" or "SARSCoV2\*" or "SARS-CoV2\*" or SARSCov19\* or "SARS-Cov19\*" or "SARSCov-19\*" or "SARS-Cov-19\*" or SARSCov2019\* or "SARS-Cov2019\*" or "SARSCov-2019\*" or "SARS-Cov-2019\*" or SARS2\* or "SARS-2\*" or SARScoronavirus2\* or "SARS-coronavirus-2\*" or "SARScoronavirus 2\*" or "SARS coronavirus2\*" or SARScoronovirus2\* or "SARS-coronovirus-2\*" or "SARScoronovirus 2\*" or "SARS coronovirus2\*" or covid).ti. | 84919 |
| 6. | Embase <1974 to 2021 Week 07> | (respiratory\* adj2 (symptom\* or disease\* or illness\* or condition\*) adj5 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 146 |
| 7. | Embase <1974 to 2021 Week 07> | (("seafood market\*" or "food market\*") adj10 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 9 |
| 8. | Embase <1974 to 2021 Week 07> | (pneumonia\* adj3 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 263 |
| 9. | Embase <1974 to 2021 Week 07> | ((outbreak\* or wildlife\* or pandemic\* or epidemic\*) adj1 (Wuhan\* or Hubei\* or China\* or Chinese\* or Huanan\*)).ti. | 38 |
| 10. | Embase <1974 to 2021 Week 07> | "severe acute respiratory syndrome\*".ti. | 3259 |
| 11. | Embase <1974 to 2021 Week 07> | or/1-10 | 107775 |
| 12. | Embase <1974 to 2021 Week 07> | \*hospital/ or \*hospitalization/ | 110567 |
| 13. | Embase <1974 to 2021 Week 07> | (hospital or hospitals or hospitalization or hospitalisation).ti,ab. | 1950534 |
| 14. | Embase <1974 to 2021 Week 07> | or/12-13 | 1982358 |
| 15. | Embase <1974 to 2021 Week 07> | \*hospital patient/ | 29567 |
| 16. | Embase <1974 to 2021 Week 07> | (in patient\*1 or in-patient\*1 or inpatient\*1).ti,ab. | 2920142 |
| 17. | Embase <1974 to 2021 Week 07> | or/15-16 | 2927092 |
| 18. | Embase <1974 to 2021 Week 07> | 14 and 17 | 468731 |
| 19. | Embase <1974 to 2021 Week 07> | infection control/ or cross infection/ or virus transmission/ or hospital infection/ | 205609 |
| 20. | Embase <1974 to 2021 Week 07> | nosocomial.ti,ab. | 42021 |
| 21. | Embase <1974 to 2021 Week 07> | ((infect\* or prevent\*) adj2 control).ti,ab. | 93188 |
| 22. | Embase <1974 to 2021 Week 07> | transmiss\*.ti,ab. | 442219 |
| 23. | Embase <1974 to 2021 Week 07> | (hospital acquired-infection\* or hospital acquired infection\* or healthcare-associated infection\* or healthcare acquired infection\*).ti,ab. | 11251 |
| 24. | Embase <1974 to 2021 Week 07> | (infect\* adj3 cluster\*).ti,ab. | 1963 |
| 25. | Embase <1974 to 2021 Week 07> | or/19-24 | 676765 |
| 26. | Embase <1974 to 2021 Week 07> | (secondary transmiss\* or secondary attack rate).ti,ab. | 842 |
| 27. | Embase <1974 to 2021 Week 07> | exp mortality/ | 1139517 |
| 28. | Embase <1974 to 2021 Week 07> | (mortality or death\* or fatal\*).ti,ab. | 2263846 |
| 29. | Embase <1974 to 2021 Week 07> | "length of stay"/ | 202733 |
| 30. | Embase <1974 to 2021 Week 07> | (length of stay or LOS).ti,ab. | 146673 |
| 31. | Embase <1974 to 2021 Week 07> | or/26-30 | 2709461 |
| 32. | Embase <1974 to 2021 Week 07> | 11 and 18 and 25 and 31 | 162 |
| 33. | Embase <1974 to 2021 Week 07> | limit 32 to yr="2019 -Current" | 144 |