**Appendix**

**Appendix 1**

1. CHKD v3.1 of the CNKI (Journal) [in Chinese] (2,954 records)

((SU= Novel Coronavirus+Novel Coronavirus Pneumonia+Novel Coronavirus Pneumonia) AND (SU=Clinical+Epidemiological)) NOT (SU=Anatomy+Histology+Embryology+Biochemistry+Parasites+Pharmacology+Toxicology+Molecular Biology+Cell Biology+Psychiatry+Skin Disease+Venereal Disease+Gynecology and Obstetrics+Ear+Nose+Throat+Tumor+Physical Therapy+Sports+Anesthesia+Psychology+Traditional Chinese Medicine +Pharmacy)

1. PubMed (2,698 records)

|  |  |  |
| --- | --- | --- |
| **Search** | **Query** | **Result** |
| #3 | Search: #1 and #2 Filters: Full text, Journal Article, Humans, Chinese, English Sort by: Publication Date | 2698 |
| #2 | Search: (epidemi\*[Title/Abstract]) OR (clinic\*[Title/Abstract]) Filters: Full text, Journal Article, Humans, Chinese, English Sort by: Publication Date | 2674065 |
| #1 | Search: ((((COVID-19[Title/Abstract]) OR (SARS-CoV-2[Title/Abstract])) OR (2019nCoV[Title/Abstract])) OR (corona virus 2019[Title/Abstract])) AND (("2019/12/01"[Date - Publication] : "3000"[Date - Publication])) Filters: Full text, Journal Article, Humans, Chinese, English Sort by: Publication Date | 6388 |

1. medRxive (5,738 records)

for abstract or title "COVID-19, SARS-CoV-2, SARS2, 2019nCoV, epidemic, epidemiology, epidemiological, clinic, clinica" (match any words) and posted between "01 Dec, 2019 and 16 Jul, 2020"

**Appendix 2** Detail of selected studies for pooling analysis

Table 3，Data used for R0 pooling analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Author | R0(with 95 % CI) | Data Time period | Area | Sample size | Reference |
| Li J et al. | 4.38（95% CI: 3.63–5.13) | 10 January 2020–23 January 2020 | China | 530 | 44 |
| Li J et al. | 3.41(95% CI: 3.16-3.65) | 23 January 2020–8 February 2020 | China | 33167 |
| Li J et al. | 3.39(95% CI: 3.09–3.70) | 10 January 2020–8 February 2020 | China | 33697 |
| Wu JT et al. | 2.68(95% CrI 2·47–2·86) | 31 December 2019–25 January 2020 | Wuhan | 56 | 45 |
| Song Q et al. | 3.16(95% CI 2·90–3.43) | 15 January 2020–31 January 2020 | China | 11791 | 42 |
| Song Q et al. | 3.74(95% CI 3.63–3.87) | 15 January 2020–31 January 2020 | China | 11791 |
| Song Q et al. | 3.91(95% CI 3.71–4.11) | 15 January 2020–31 January 2020 | China | 11791 |
| Zhao S et al. | 2.24(95%CI: 1.96-2.55) | 10 January 2020–24 January 2020 | China | 1246 | 47 |
| Zhao S et al. | 3.58(95%CI: 2.89-4.39) | 10 January 2020–24 January 2020 | China | 1246 |
| Read JM et al. | 3.11(95%CI, 2.39–4.13) | 1 January 2020–22 January 2020 | Wuhan | 571 | 48 |
| Li Q et al. | 2.2（95% CI, 1.4 to 3.9） | By 22 January, 2020 | Wuhan | 425 | 13 |
| Liu T et al. | 4.5(95%CI: 4.4-4.6) | As of February 7, 2020 | China | 34598 | 50 |
| Liu T et al. | 4.4(95%CI: 4.3-4.6) | As of February 7, 2020 | Wuhan | 34598 |
| Liu T et al. | 0.6 (95%CI: 0.4-0.7) | Up to February 7, 2020 | Guangdong | 34598 |
| Tang B et al. | 6.47 (95% CI 5.71–7.23) | Until 22 January2020 | China | 571 | 51 |
| Liu T et al. | 2·90 (95%CI: 2·32-3·63) | As of January, 23 | Global | 839 | 52 |
| Liu T et al. | 2·92 (95%CI: 2·28-3·67) | As of January, 23 | Global | 839 |
| Zhang S et al. | 2.28 (95%2.06-2.52) | During the early stage experienced on the Diamond Princess cruise ship | the Diamond Princess cruise ship | 174 | 49 |

Table 4，Data used for Mean Incubation period pooling analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Author | Mean Incubation period | Sample size | Reference |
| Linton NM et al. | 5（95%CI：2~14） | 315 | 40 |
| Backer JA et al. | 6.4（95% CI: 5.6 - 7.7) | 88 | 41 |
| Kucharski AJ et al. | 5.2(95% CI: 4.1-7.0) | 425 | 39 |
| Song Q et al. | 5.01(95% CI: 4.31-5.69) | 11791 | 42 |
| Wang P et al. | 7.4286 (95%CI 2-20) | 1212 | 43 |

**Appendix 3** Detail of selected studies for clinical symptoms’ meta-analysis

Table 5, Data used for clinical symptoms meta-analysis

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author | Area | N | Fever | Cough | Dyspnoea | Fatigue | Olfactory | Gustatory | Headache | Sore throat | Sputum production | Reference |
| Hong KS et al. | South Korea | 98 | 62 | 58 | 32 | NA | NA | NA | NA | NA | 39 | 63 |
| Qasim M et al. | Japan | 1080 | 857 | 459 | 223 | 316 | NA | NA | NA | NA | NA | 64 |
| Shabrawishi M et al. | Saudi Arabia | 146 | 72 | 71 | 29 | 1 | NA | NA | 4 | 24 | 5 | 65 |
| Pongpirul WA et al. | Thailand | 193 | 121 | 95 | 25 | 30 | 11 | 8 | 25 | 54 | 41 | 66 |
| Almazeedi S et al. | Kuwait | 1098 | 59 | 318 | 30 | 38 | NA | NA | 70 | 128 | 24 | 67 |
| Chen N et al. | China | 99 | 82 | 81 | 31 | NA | NA | NA | 8 | 5 | NA | 68 |
| Wang D et al. | China | 138 | 136 | 82 | 43 | 96 | NA | NA | 9 | 24 | 37 | 69 |
| Xu X-W et al. | China | 62 | 48 | 50 | NA | 32 | NA | NA | 21 | NA | 35 | 14 |
| Guan W-j et al. | China | 1099 | 966 | 744 | 204 | 419 | NA | NA | 150 | 153 | 367 | 15 |
| Huang C et al. | China | 41 | 40 | 31 | 22 | 18 | NA | NA | 3  (n=38) | NA | 11  (n=39) | 11 |
| Docherty AB et al. | UK | 17452 | 12499 | 12896 | 12107 | NA | NA | NA | NA | NA | NA | 70 |
| Rojo JMC et al. | Spain | 6386 | 5440  (n=6385) | 4885 | 3666  (n=6366) | 2965  (n=6236) | 385  (n=6109) | NA | NA | NA | 1071 | 71 |
| Regina J et al. | Switzerland | 200 | 131 | 124 | 98 | 99 | NA | NA | NA | NA | NA | 72 |
| Boddington NL et al. | UK | 381 | 229 | 296 | 154 | 267 | NA | 168 | 216 | NA | NA | 73 |
| Colaneri M et al. | Italy | 44 | 40 | 15 | 10 | NA | NA | NA | NA | NA | NA | 74 |
| Argenziano MG et al. | New York （USA） | 1000 | 728 | 732 | 631 | NA | NA | NA | 101 | 84 | 83 | 57 |
| Ortiz-Brizuela E et al. | Mexico City (Mexico) | 309 | 245 | 264 | 124 | NA | NA | NA | 246 | 161 | NA | 75 |
| Shekhar R et al. | New Mexico (USA) | 42 | 40 | 43 | 40 | NA | NA | NA | NA | 3 | NA | 76 |
| Suleyman G et al. | Detroit (USA) | 463 | 315 | 347 | 282 | NA | NA | NA | 73 | NA | NA | 77 |
| Goyal P et al. | New York （USA） | 393 | 303 | 312 | 222 | NA | NA | NA | NA | NA | NA | 78 |
| de Souza WM et al. | Brazil | 1468 | 982 | 1040 | NA | NA | NA | NA | NA | NA | NA | 79 |
| Beltrán‐Corbellini Á et al. | Spain | 79 | NA | NA | NA | NA | 25 | 28 | NA | NA | NA | 80 |
| Be´ne´zit F et al. | France | 68 | NA | NA | NA | NA | 51 | 63 | NA | NA | NA | 81 |
| Giacomelli A et al. | Italy | 59 | NA | NA | NA | NA | 14 | 17 | NA | NA | NA | 82 |
| Kaye R et al. | US, UK, Italy | 237 | NA | NA | NA | NA | 172 | NA | NA | NA | NA | 83 |
| Klopfenstein T et al. | France | 114 | NA | NA | NA | NA | 54 | 46 | NA | NA | NA | 84 |
| Lechien JR et al. | Belgian, France, Belgium, Spain,Italy | 417 | NA | NA | NA | NA | 357 | 342 | NA | NA | NA | 85 |
| Mao L et al. | China | 214 | NA | NA | NA | NA | 11 | 12 | NA | NA | NA | 86 |
| Moein ST et al. | Iran | 60 | NA | NA | NA | NA | 59 | 14 | NA | NA | NA | 87 |
| Vaira LA et al. | Italy | 320 | NA | NA | NA | NA | 62 | 62 | NA | NA | NA | 88 |
| Yan CH et al. | US | 59 | NA | NA | NA | NA | 40 | 42 | NA | NA | NA | 89 |
| Song J et al. | China | 1172 | NA | NA | NA | NA | 134 | 241 | NA | NA | NA | 90 |
| Qiu C et al. | China, France, Germany | 394 | NA | NA | NA | NA | 254 | 100 | NA | NA | NA | 91 |

**Appendix 4** The forest plots of clinical symptoms’ meta-analysis