Supplementary Table 2. Events and total number of betacoronaviruses infection of included studies of NMA.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Year** | **Design** | **events / medical** | **events / N95** | **events / control** | **events / disposable** | **events / paper** | **events / cotton** |
| Scale | 2003 | ABC | 2/6 | 1/6 | 3/15 |  |  |  |
| Seto | 2003 | ABCD | 0/51 | 0/92 | 11/83 | 2/28 |  |  |
| Ho | 2004 | BC |  | 2 | 2/10 |  |  |  |
| Loeb | 2004 | ABC | 1/4 | 2/16 | 5/9 |  |  |  |
| Lau | 2004 | BC |  | 50/168 | 3/4 |  |  |  |
| Park | 2004 | AC | 3/24 |  | 2/4 |  |  |  |
| Peck | 2004 | AC | 0 |  | 0 |  |  |  |
| Teleman | 2004 | BC |  | 3/26 | 33/60 |  |  |  |
| Yin | 2004 | ACE | 46/202 |  | 9/11 |  | 22/44 |  |
| Nishiura (stage 1) | 2005 | AC | 8/43 |  | 17/72 |  |  |  |
| Nishiura (stage 2) | 2005 | AC | 1/26 |  | 3/4 |  |  |  |
| Wild-Smith | 2005 | BC |  | 3/24 | 34/65 |  |  |  |
| Pei | 2006 | CF |  |  | 61/115 |  |  | 11/98 |
| Liu | 2009 | AB | 23/397 | 2/33 |  |  |  |  |
| Alraddadi | 2016 | ABC | 14/150 | 11/206 | 13/98 |  |  |  |
| Hall | 2014 | AB | 0/42 | 0/16 |  |  |  |  |
| Kim | 2016 | ABC | 0/6 | 0/1 | 1/2 |  |  |  |
| Park | 2016 | AC | 3/24 |  | 2/4 |  |  |  |
| Burke (setting 1) | 2020 | AB | 0/1 | 0/6 |  |  |  |  |
| Burke (setting 2) | 2020 | ABC | 0/2 | 0/33 | 0/13 |  |  |  |
| Wang X | 2020 | BC |  | 0/278 | 10/215 |  |  |  |
| Wang Q | 2020 | AB | 119/4036 | 1/1287 |  |  |  |  |

NMA= network meta-analysis; A=medical mask, B=N95 respirator, C=control group, D=disposable mask, E=paper group.