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.