Table S1 Characteristics and Quality assessment of included studies

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Author | Date of Publication | Region | Research Characteristic | Selection | Comparability | Outcome/  Exposure | Quality score(0-9) |
| Guan WJ et al.[5] | 02/25/2020 | 31 province/China | retrospective | 2 | 2 | 3 | 7 |
| Zhou F et al.[7] | 03/09/2020 | Hubei | retrospective | 2 | 2 | 3 | 7 |
| Wang DW et al.[8] | 02/07/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Guan WJ et al.[9] | 02/28/2020 | 30 province/China | retrospective | 3 | 1 | 2 | 6 |
| Chen G et al.[16] | 02/16/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Zhang JJ et al.[17] | 02/19/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Cheng KB et al.[18] | 03/12/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Chen C et al.[19] | 02/25/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Huang C et al.[20] | 02/15/2020 | Hubei | retrospective | 3 | 2 | 2 | 7 |
| Xiang TX et al.[21] | 03/02/2020 | JiangXi | retrospective | 2 | 2 | 3 | 7 |
| Liu JY et.al.[22] | 02/10/2020 | Beijing | retrospective | 3 | 1 | 3 | 7 |
| Xu M et al.[23] | 02/14/2020 | Henan | retrospective | 3 | 2 | 3 | 8 |
| Wan Q et al.[24] | 02/24/2020 | Chongqing | retrospective | 3 | 2 | 3 | 8 |
| Liu L et al.[25] | 02/20/2020 | Chongqing | retrospective | 2 | 2 | 3 | 7 |
| Yuan ML et al.[26] | 03/19/2020 | Hubei | retrospective | 3 | 2 | 3 | 8 |
| Fu L et al.[27] | 03/13/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Chen L et al.[28] | 02/19/2020 | Hubei | retrospective | 2 | 1 | 3 | 6 |
| Fang XW et al.[29] | 02/06/2020 | Anhui | retrospective | 2 | 2 | 3 | 7 |