### Methods

#### Sources of data

We collected the number of daily new confirmed COVID-19 cases in China (from 25 February to 12 March 2020) from official websites of the National Health Commission of China and health commissions of provinces and cities. The numbers of population and teachers were collected from the official websites of provincial bureau of statistics.

**Table S1:** Daily new cases of COVID-19 in selected provinces/cities, China.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| date | 3.12 | 3.11 | 3.10 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 2.29 | 2.28 | 2.27 | 2.26 | 2.25 | 2.28-3.12 | 2.25-3.09 |
| Im *a* | Lo *a* | Im *a* | Lo *a* |
| Guangdong | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 6 | 2 | 3 | 3 |
| Henan | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Zhejiang | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 9 | 0 |
| Hunan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| Jiangxi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  | 0 | 0 | 1 |
| Anhui | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Shandong | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 |
| Jiangsu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fujian | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Beijing | 1 | 0 | 6 | 1 | 0 | 2 | 4 | 4 | 1 | 3 | 0 | 1 | 2 | 1 | 0 | 10 | 0 | 23 | 3 | 15 | 13 |
| Shanghai | 2 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 4 | 3 |
| Guangzhou | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Shenzhen | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |

***a*** Locally generated cases (Lo) are colored in red while imported cases (Im) were omitted for risk assessment.