## Table S1: Ratio of the hospitalized patients per infected case in US states on March 31*a*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ratio** | **States** | **Ratio** | **States** | **Ratio** | **States** |
| 0.31 | OK | 0.19 | ME | 0.11 | ID |
| 0.28 | GU | 0.18 | KS | 0.11 | PA |
| 0.27 | OH | 0.18 | MN | 0.10 | NC |
| 0.26 | LA | 0.17 | ND | 0.08 | MA |
| 0.26 | MD | 0.16 | DE | 0.08 | UT |
| 0.25 | WI | 0.16 | CO | 0.08 | NM |
| 0.24 | SC | 0.16 | WY | 0.08 | TN |
| 0.23 | MS | 0.14 | NH | 0.08 | MT |
| 0.22 | OR | 0.13 | VA | 0.06 | AZ |
| 0.22 | CA | 0.13 | FL | 0.06 | TX |
| 0.21 | GA | 0.12 | VT | 0.06 | AK |
| 0.21 | NY | 0.12 | AR | 0.06 | HI |
| 0.19 | CT | 0.12 | RI | 0.05 | WA |
| 0.19 | IA | 0.11 | SD | 0.01 | WV |

***a***Ratio is calculated as the number of hospitalized patients among total confirmed cases on March 31 with respect each state. In some states, data of the hospitalized patients are not available and they are not presented here.

## Table S2: Significance levels for comparisons in positive levels of COVID-19 tests between US states and China-Hubei/Guangdong

|  |  |  |
| --- | --- | --- |
|  | **China-Guangdong** | **China-Hubei** |
| US | < 0.001 | < 0.001 |
| NY | < 0.001 | 0.88021 |
| NJ | < 0.001 | 0.1291 |
| CA | < 0.001 | < 0.001 |
| WA | < 0.001 | < 0.001 |
| MI | < 0.001 | 0.37988 |
| FL | < 0.001 | < 0.001 |
| LA | < 0.001 | < 0.001 |
| MA | < 0.001 | < 0.001 |
| PA | < 0.001 | < 0.001 |
| IL | < 0.001 | < 0.001 |

**A**

0.22

hospitalized / total cases No. of hospitalized patients

15000



0.20

0.18

Hospitalization ratio

10000

number

0.16

0.14

5000

0.12

0

3/21 3/22 3/23 3/24 3/25 3/26 3/27 3/28 3/29 3/30 3/31 --

date

## Figure S1: Hospitalization level of COVID-19 patients in New York State over time

**A** 1.1

1.0

0.9

0.8

positive cases/total tests

0.7

0.6

0.5

0.4

0.3

0.2

0.1

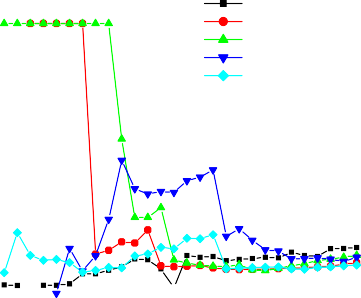
0.0

3/7 3/11 3/15 3/19 3/23 3/27 3/31

date

**B** 0.55

0.50



Florida Louisiana Massachusetts Pennsylvania Illinois

0.45

level of positive COVID-19 tests

0.40

0.35

0.30

0.25

0.20

0.15

0.10

New York New Jersey Michigan California Illinois

3/25 3/26 3/27 3/28 3/29 3/30 3/31 4/1 4/2 4/3

date

## Figure S2: Levels of positive COVID-19 tests in typical US states over time.

1. Levels of positive COVID-19 tests in several states from 4-31 March.
2. Levels of positive COVID-19 tests in typical states in the past 10 days (from 25 March to 3 April). Overall, the levels are consecutively increasing day-by-day.