

THE ECONOMY, THE FINANCIAL MARKETS AND THE CORONA VIRUS – GRAPHS UPDATE

FIRST DRAFT: MARCH 27, 2020

CURRENT GRAPHS: FEBRUARY 10, 2021

Ludwig B. Chincarini, Ph.D., CFA
University of San Francisco

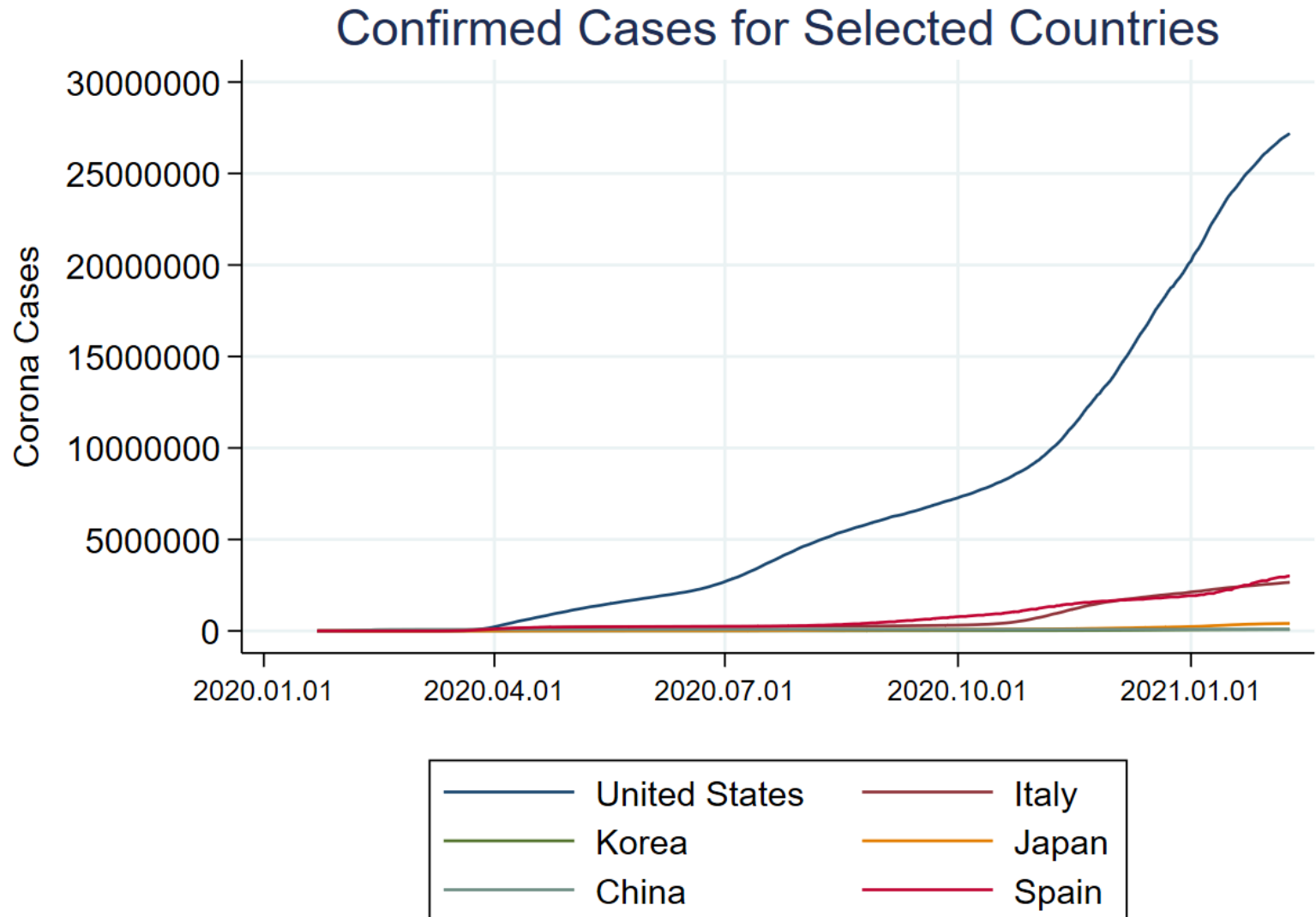
Jeff DiStanlo
Independent Consultant

Daehwan Kim
KonKuk University

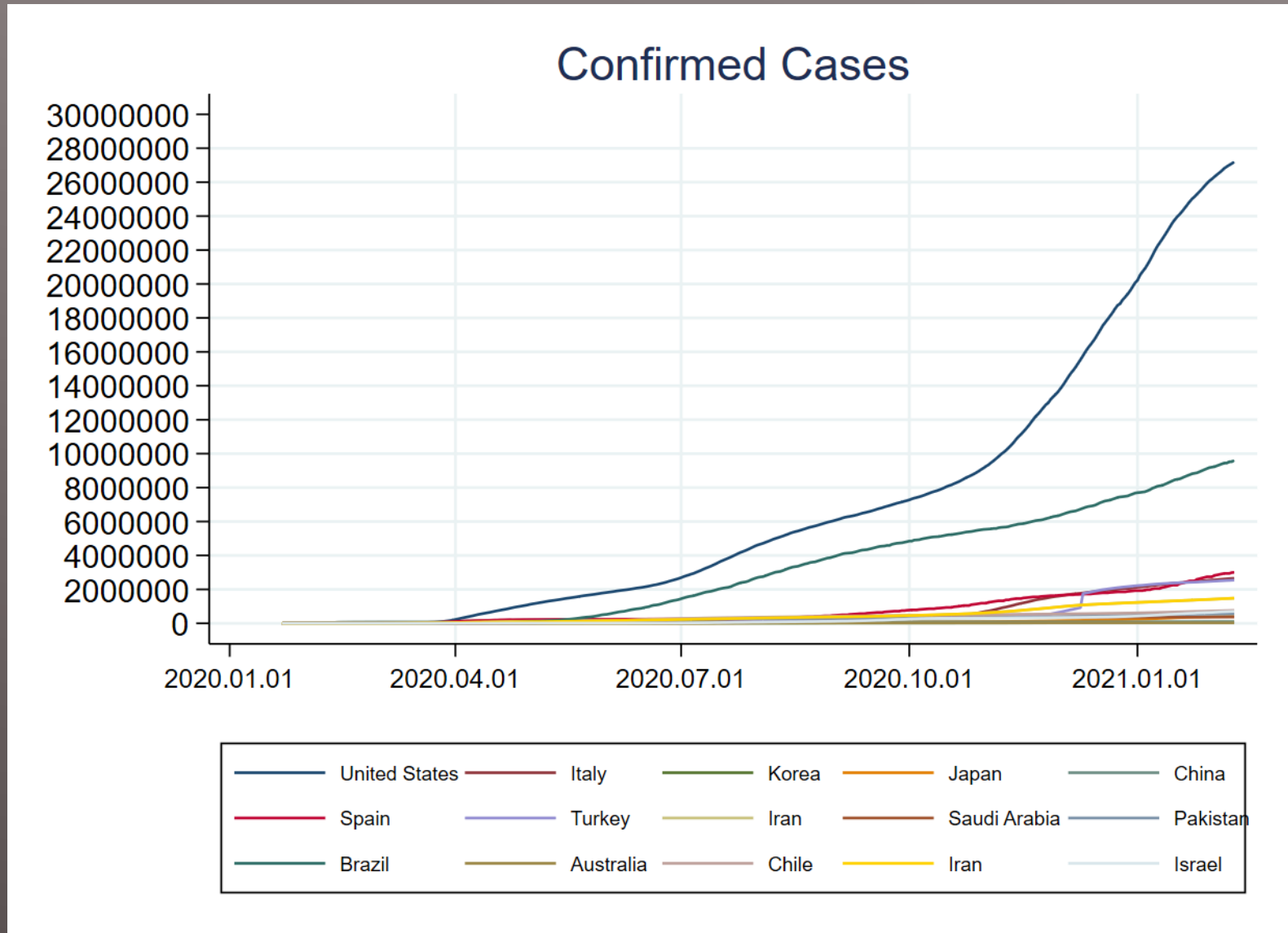
Philip Ellis
Independent Consultant

Thanks to Jim Angel, Pierangelo DePace, and Fabio Moneta
for comments and suggestions.

2C. WORLD CORONA CASES COUNTED

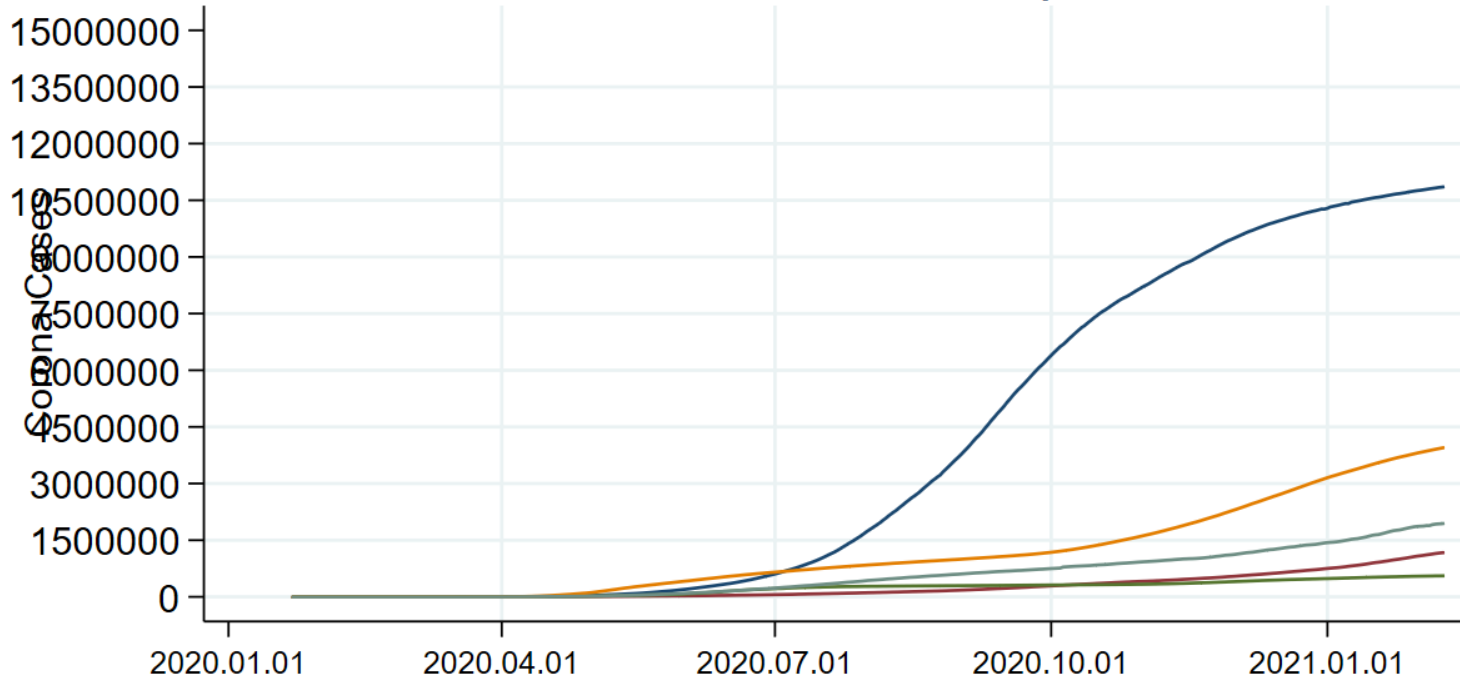


2C. WORLD CORONA CASES COUNTED



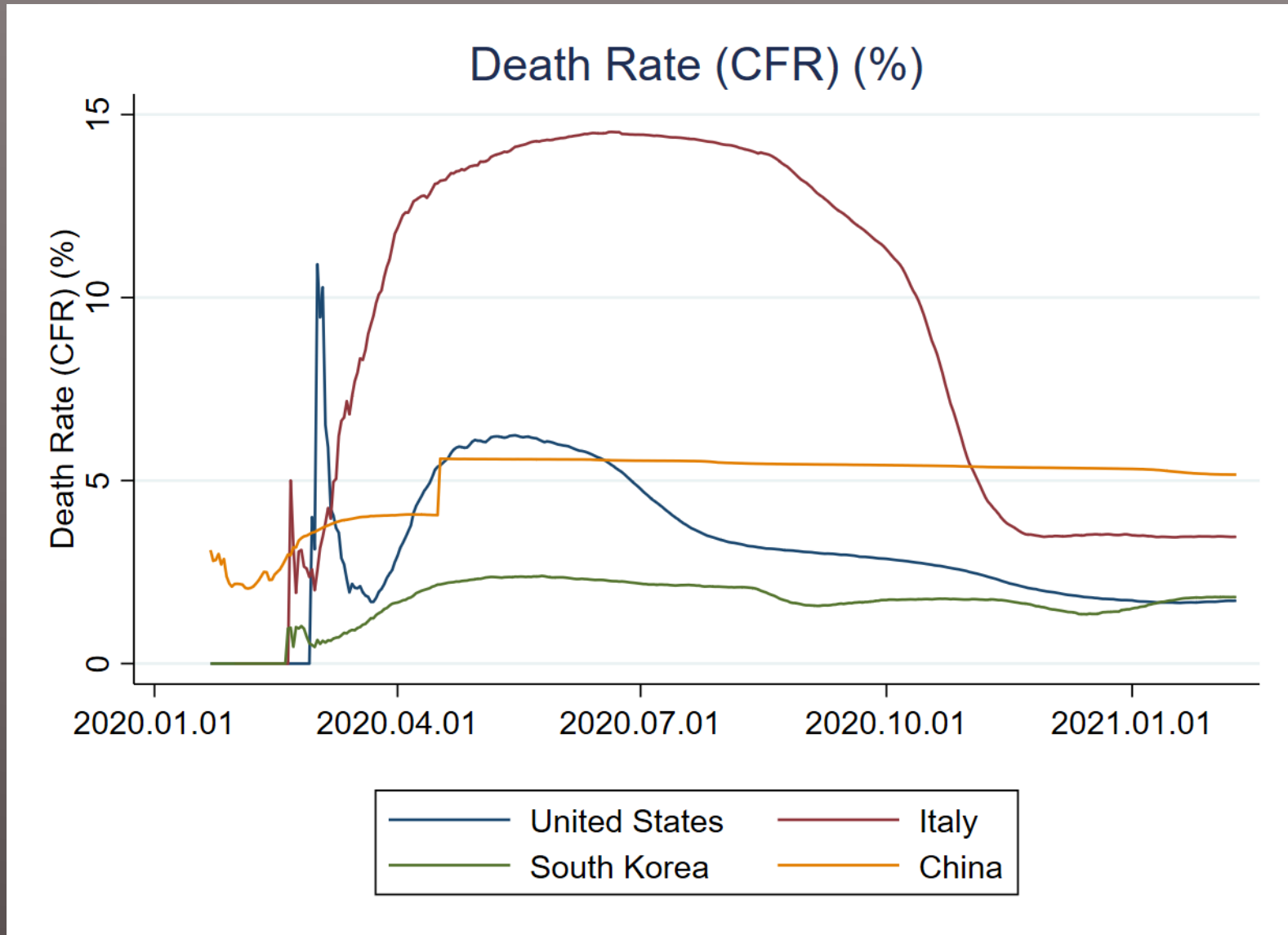
2C. WORLD CORONA CASES COUNTED

Confirmed Cases for Selected Populous Countries

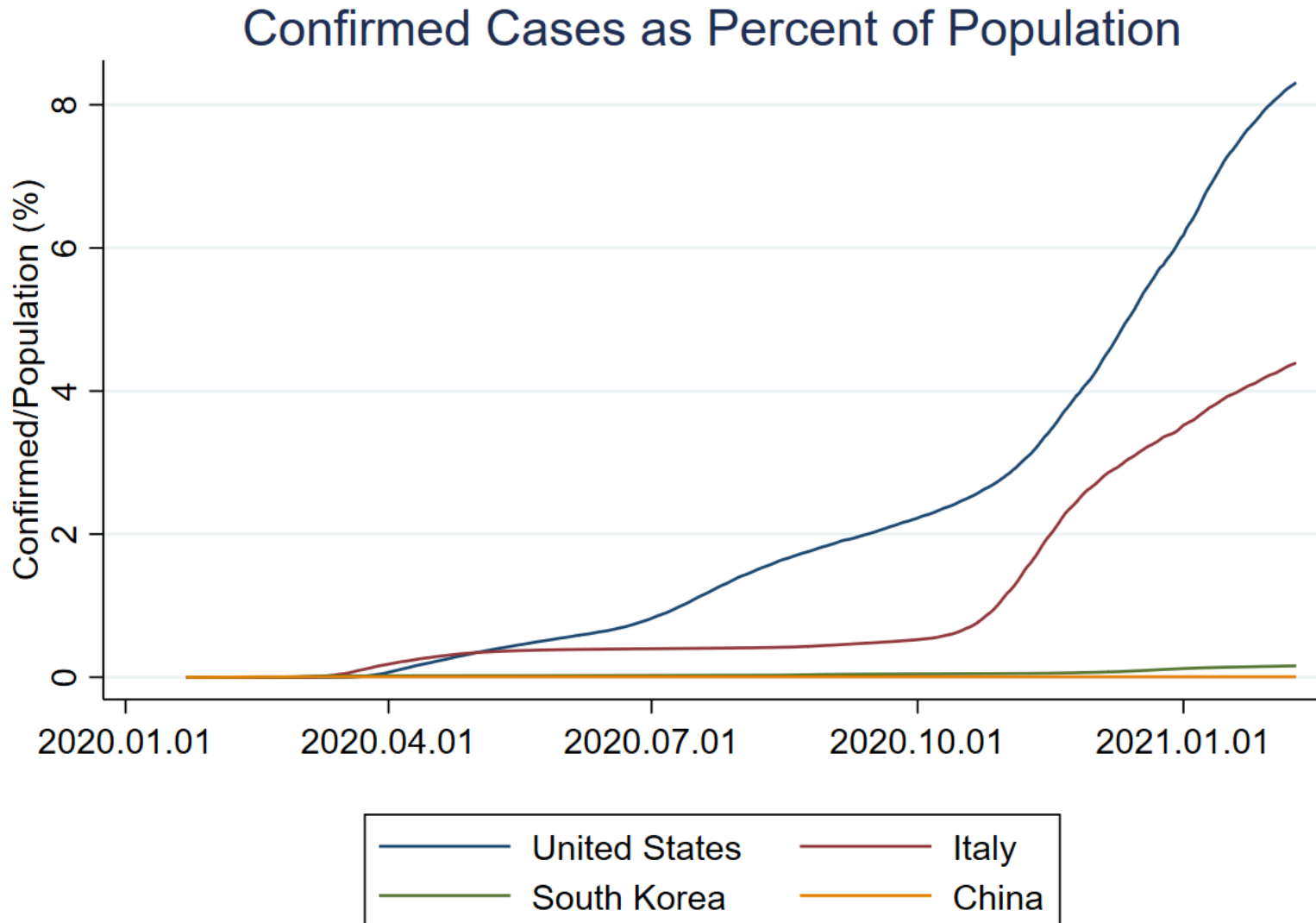


Avg Temps Feb-Apr: India: 77.7 Indon: 79.52 Pakistan: 74.90000000000001 Russia: 36.3 Me

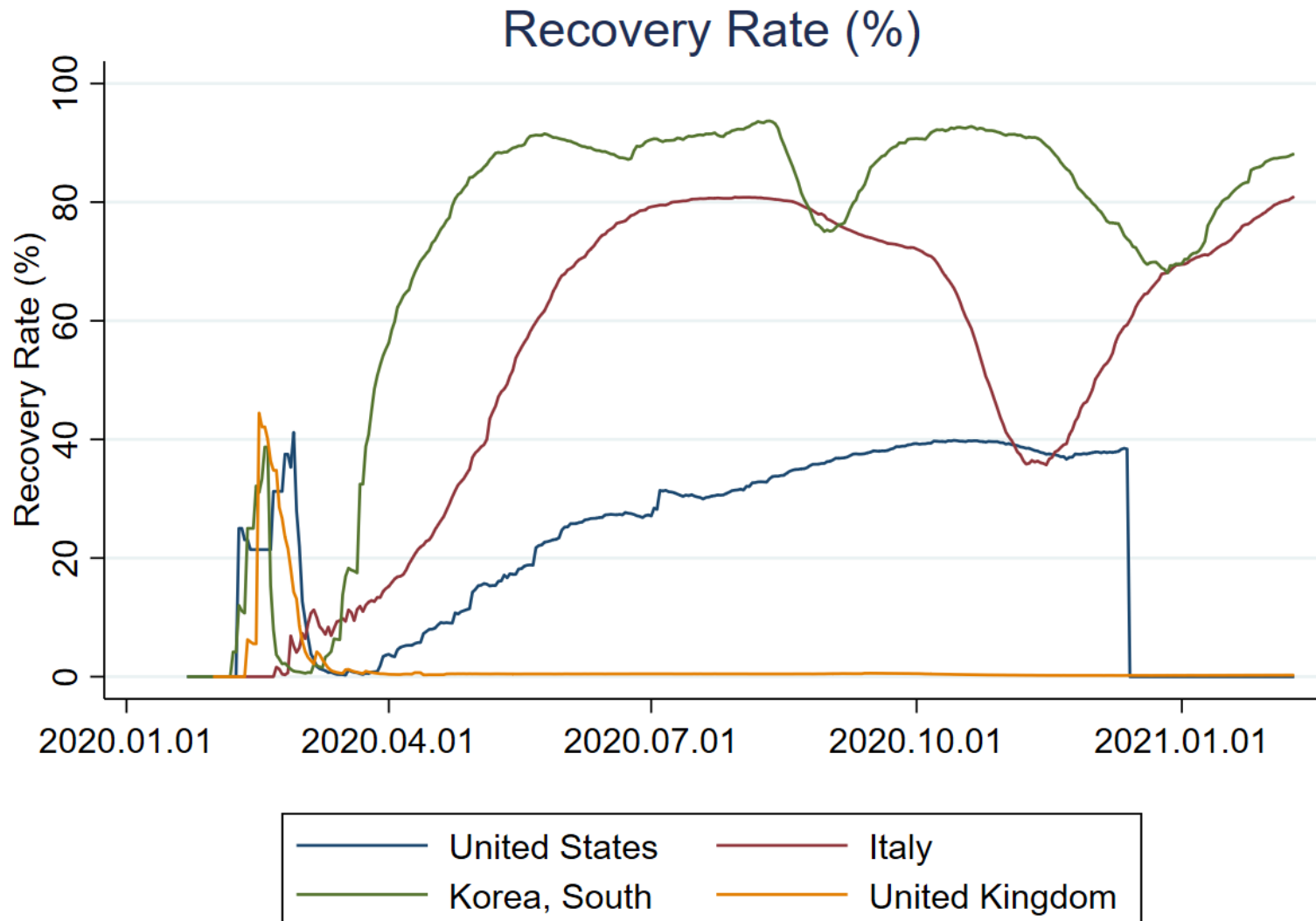
2D. CFR OR MEASURED DEATH RATE



2E. CONFIRMED PER CAPITA

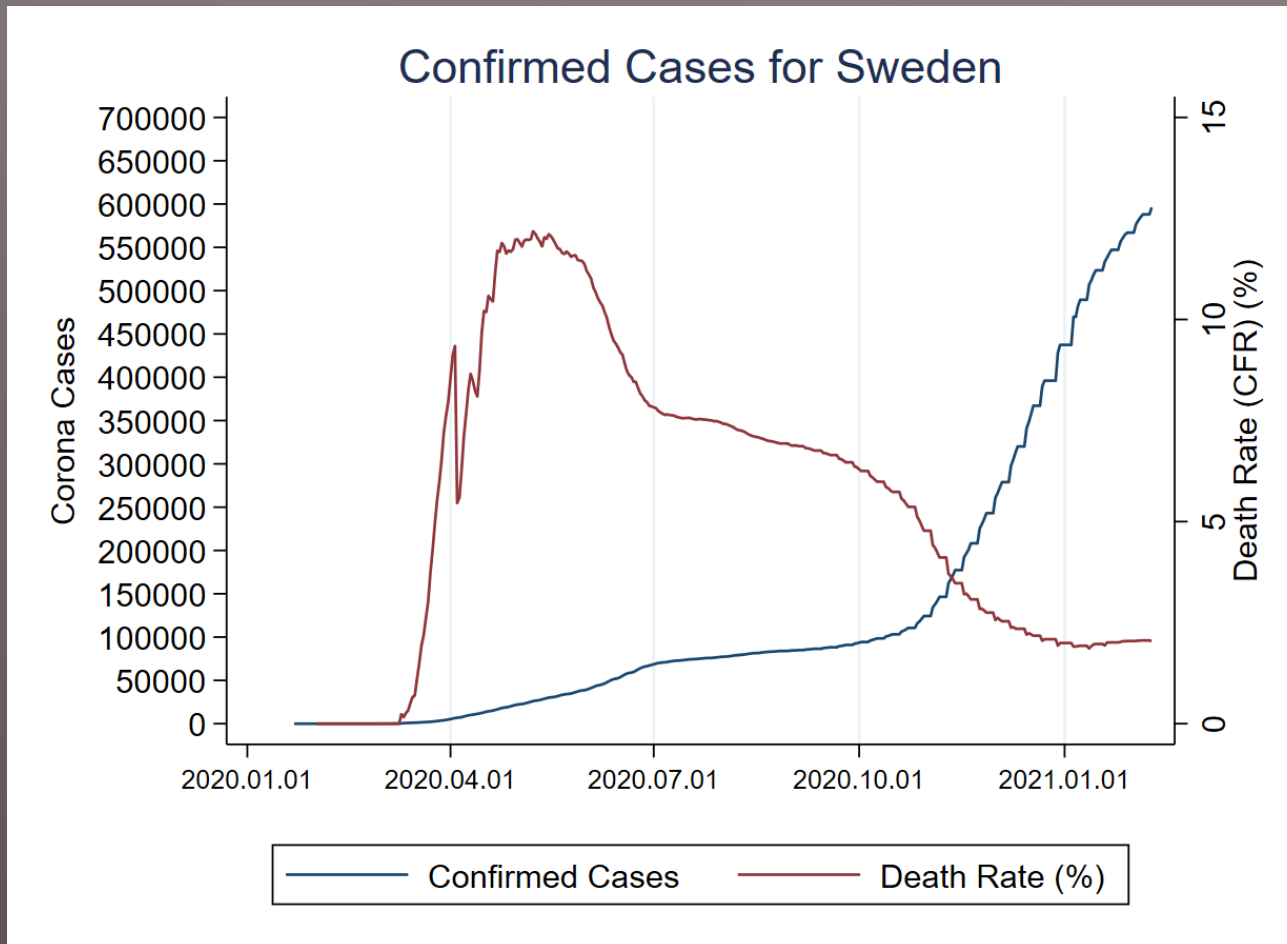


2F. RECOVERY RATES IN SELECT COUNTRIES



2G. SWEDEN – A DIFFERENT STRATEGY

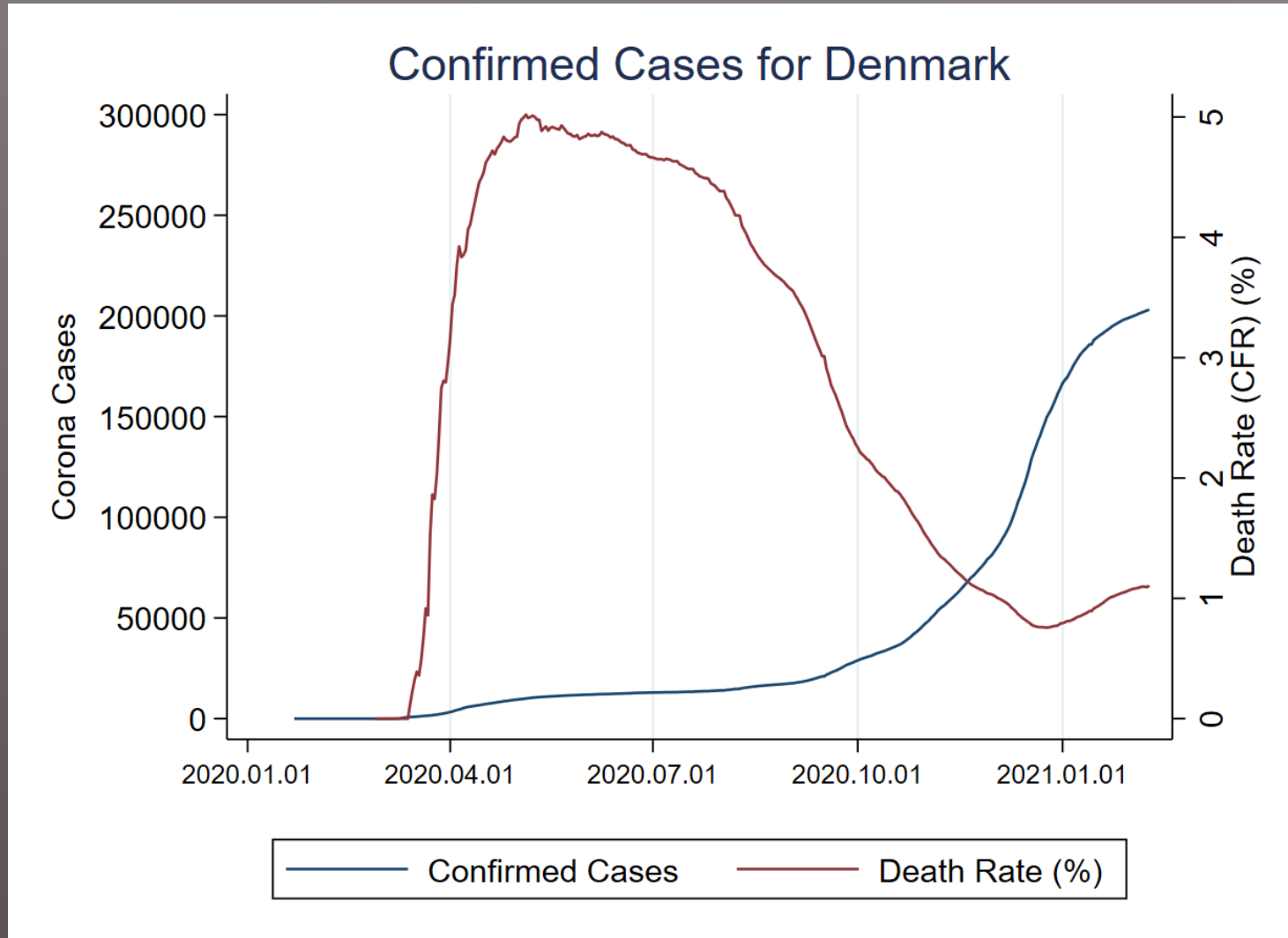
- As of April 12, 2020, Sweden has decided to allow the society to function as normal and let immunity build within as well as allow for deaths. It will be very interesting to see which strategy pays off the most.*



*On April 13, they have suggested a light lock down might start.

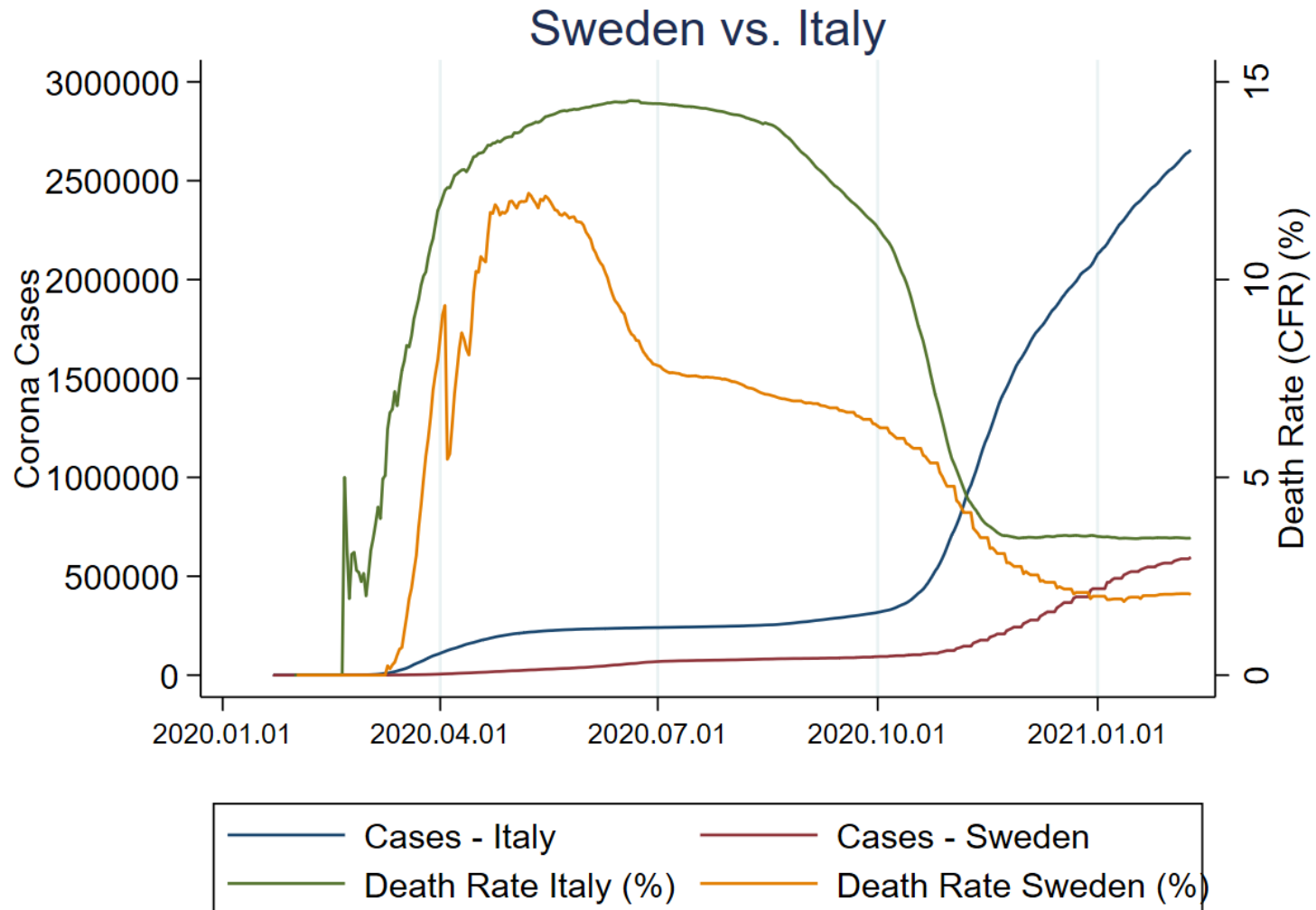
2G. SWEDEN – A DIFFERENT STRATEGY

- Comparing Denmark with Sweden – Similar Countries, but Denmark has lockdown.



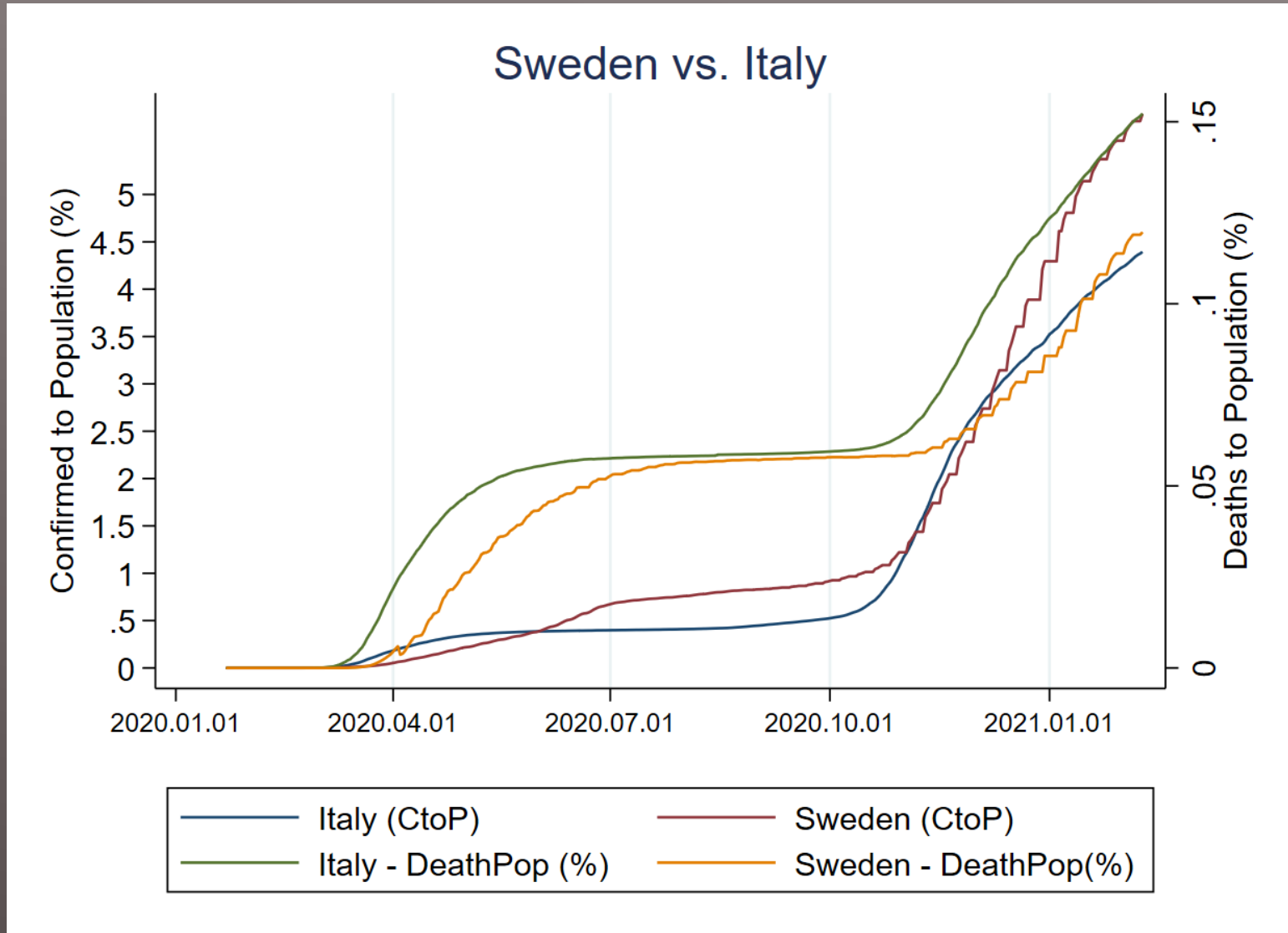
2G. SWEDEN – A DIFFERENT STRATEGY

- Sweden vs. Italy

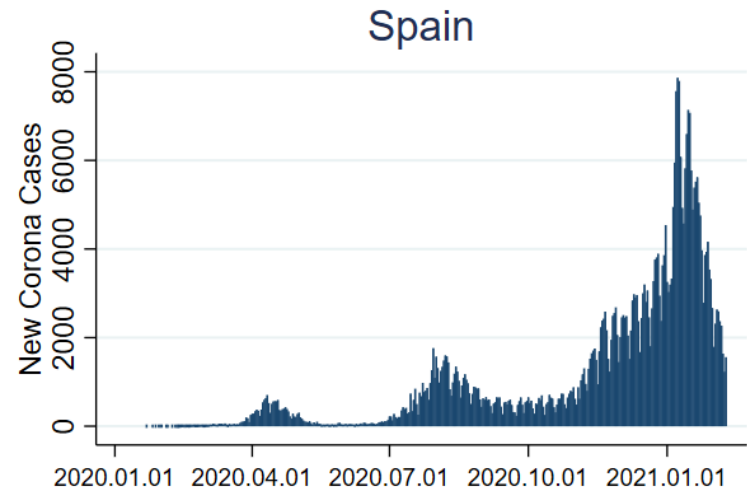
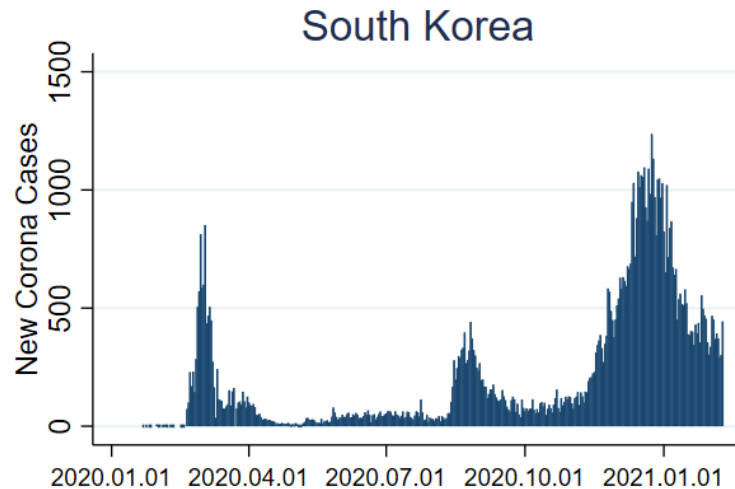
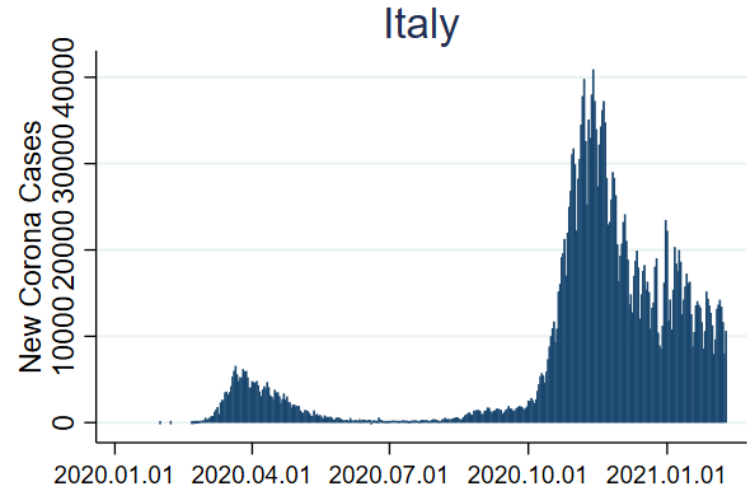
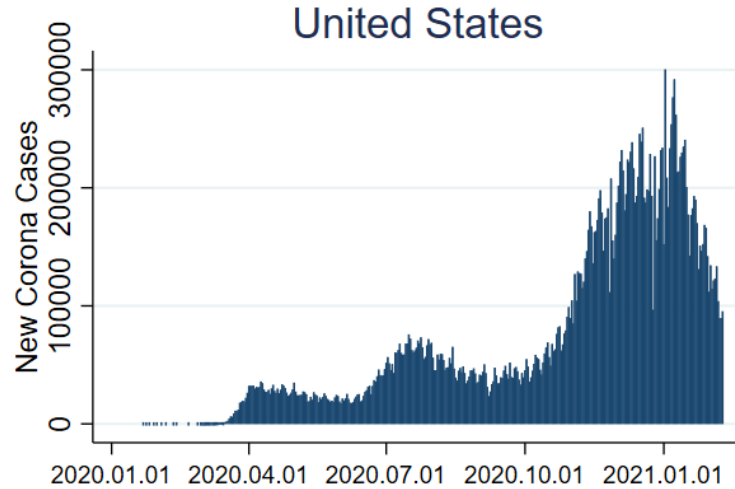


2G. SWEDEN – A DIFFERENT STRATEGY

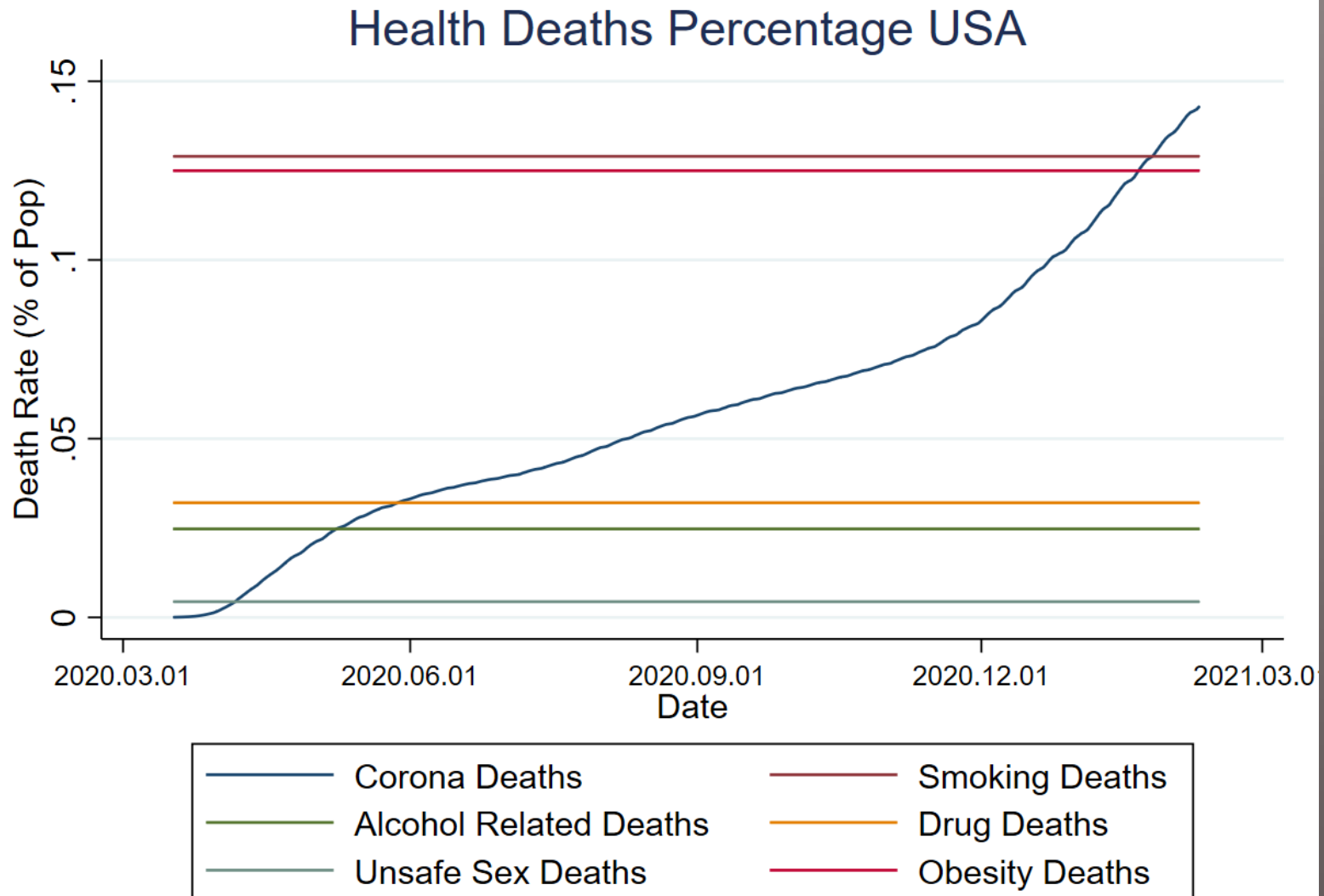
- Sweden vs. Italy



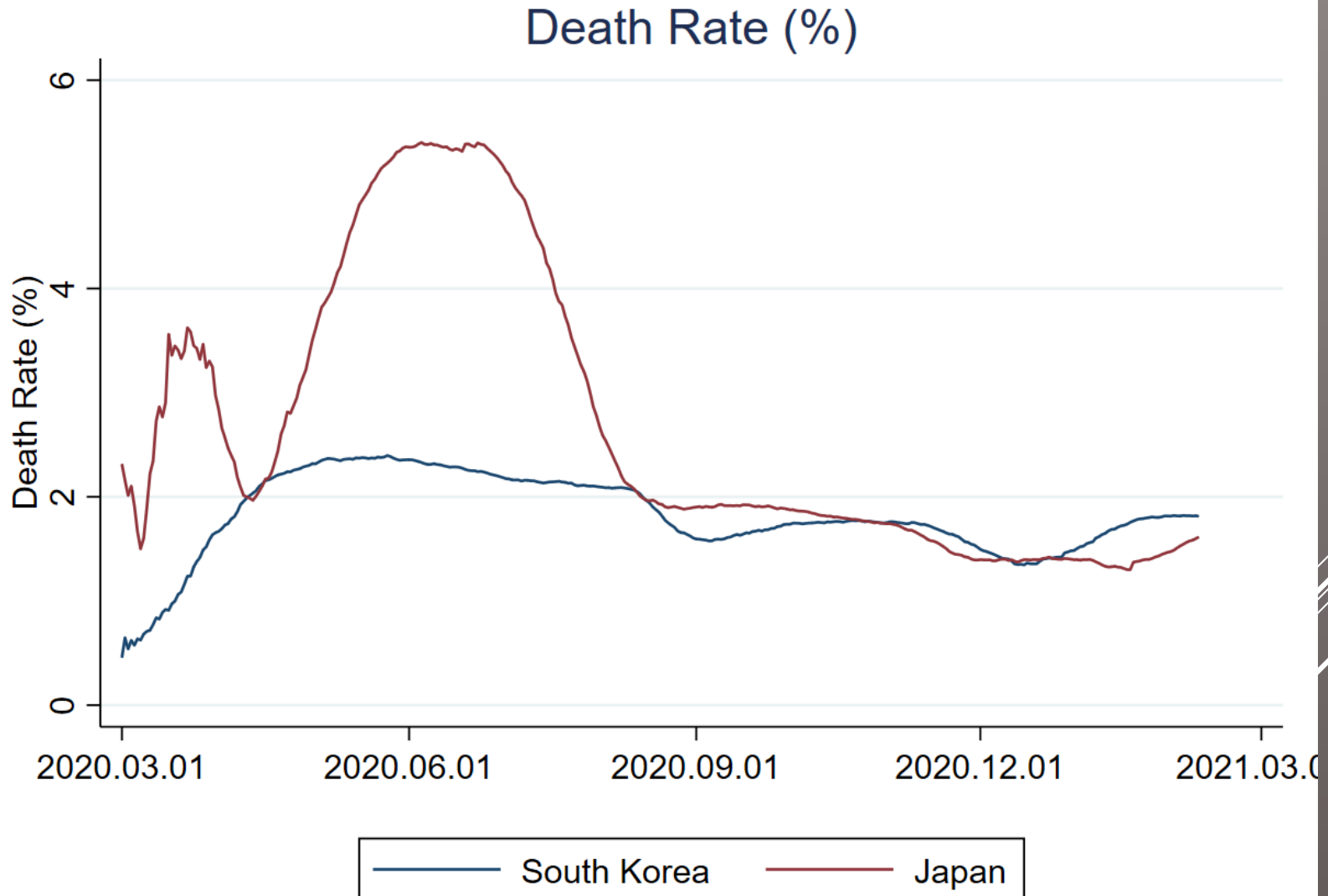
2H. NEW DAILY CASES IN SELECT COUNTRIES



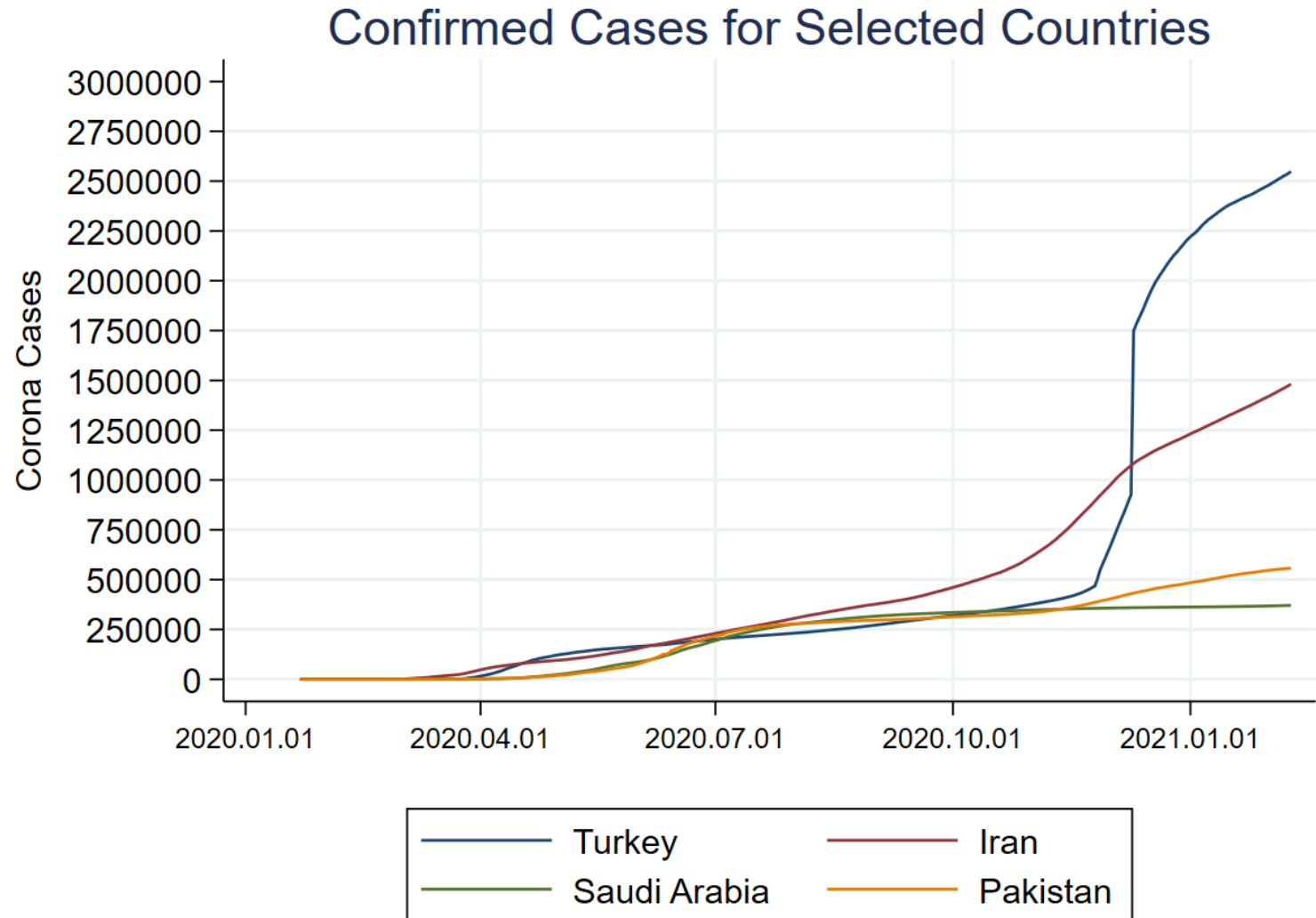
2I. CORONA DEATH RATE COMPARED TO OTHER DEATH RATES



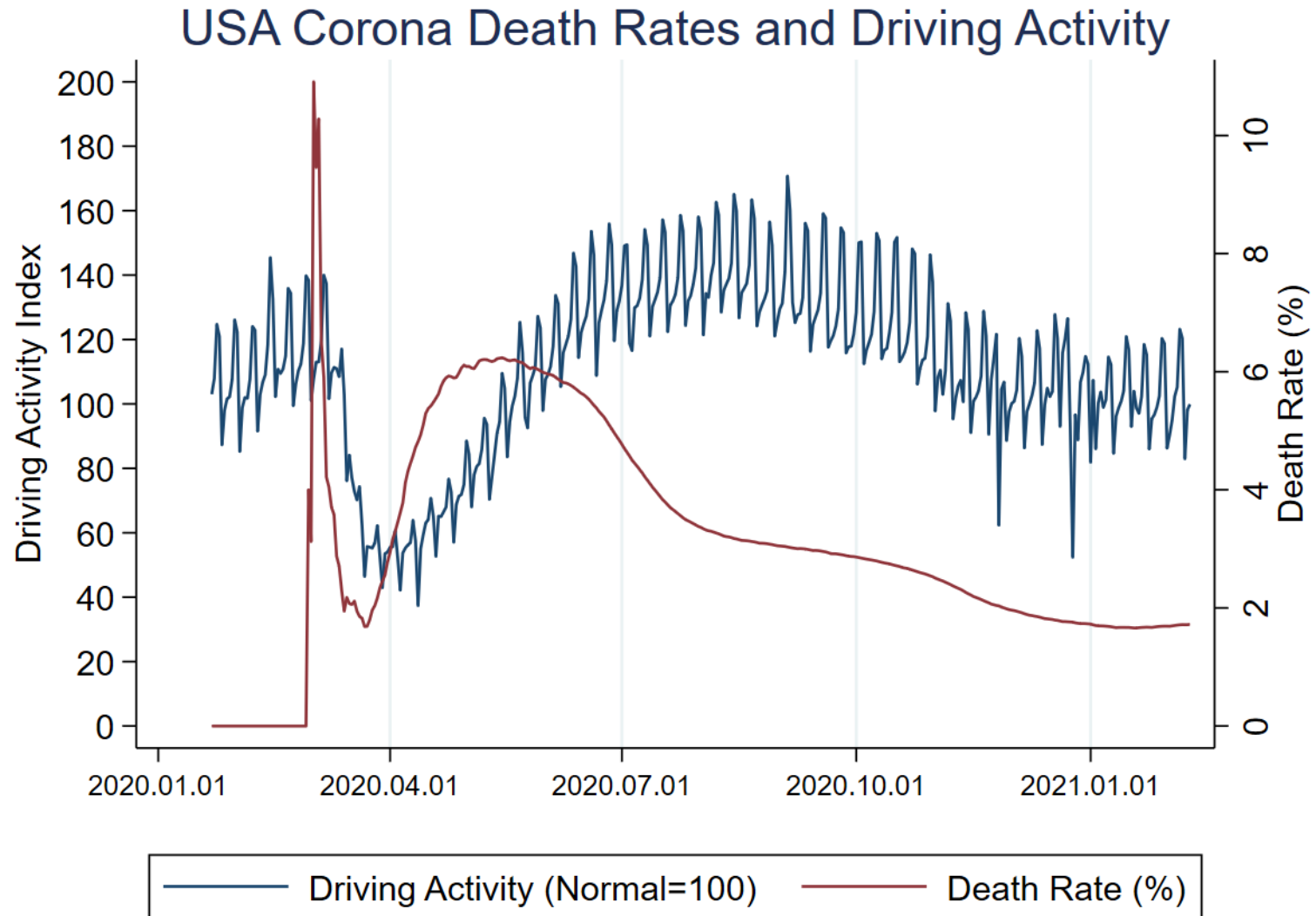
2J. WHAT IS TRUE DEATH RATE?



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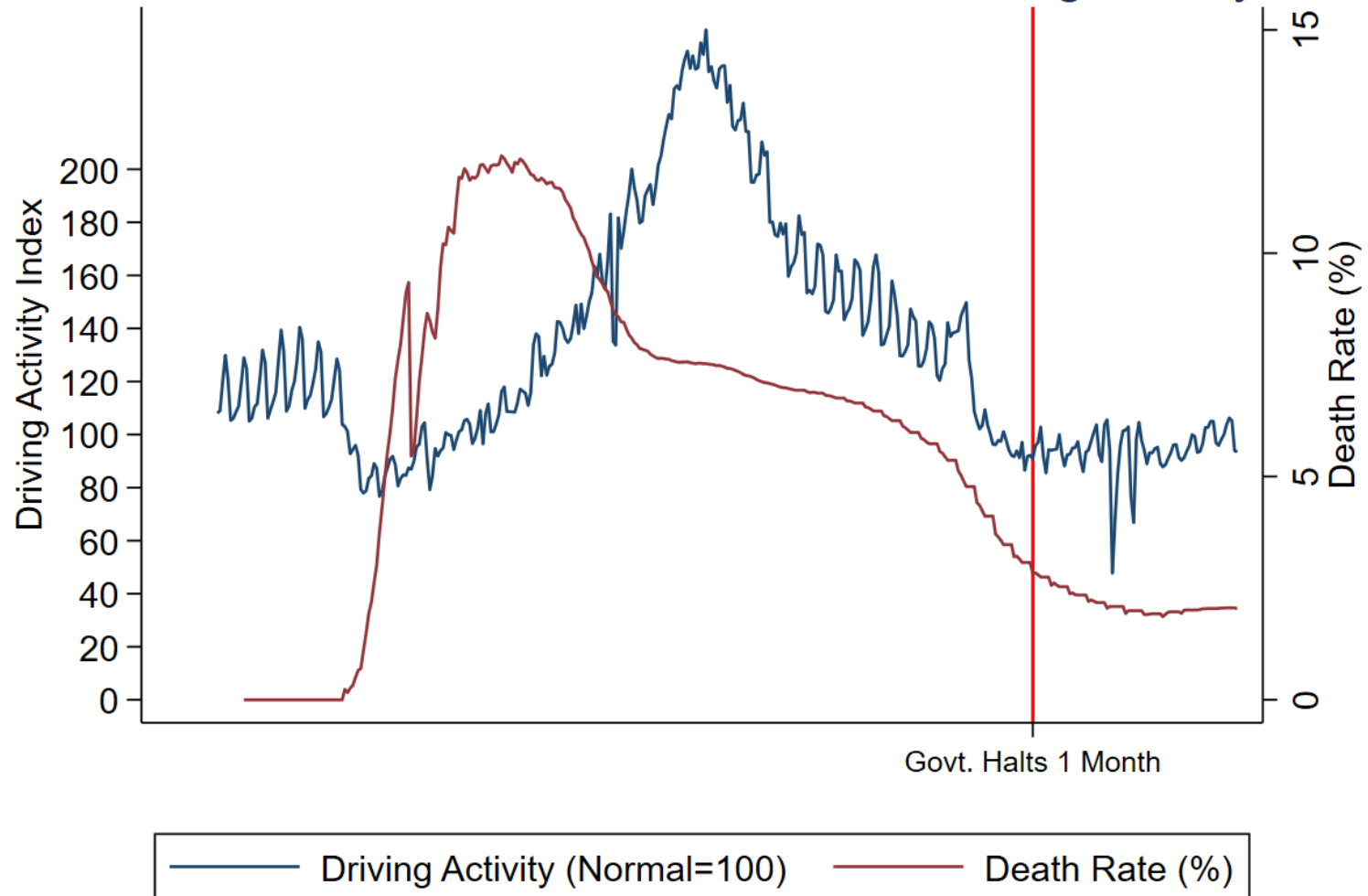


*NEW – DEATH RATE AND SOCIAL ACTIVITY



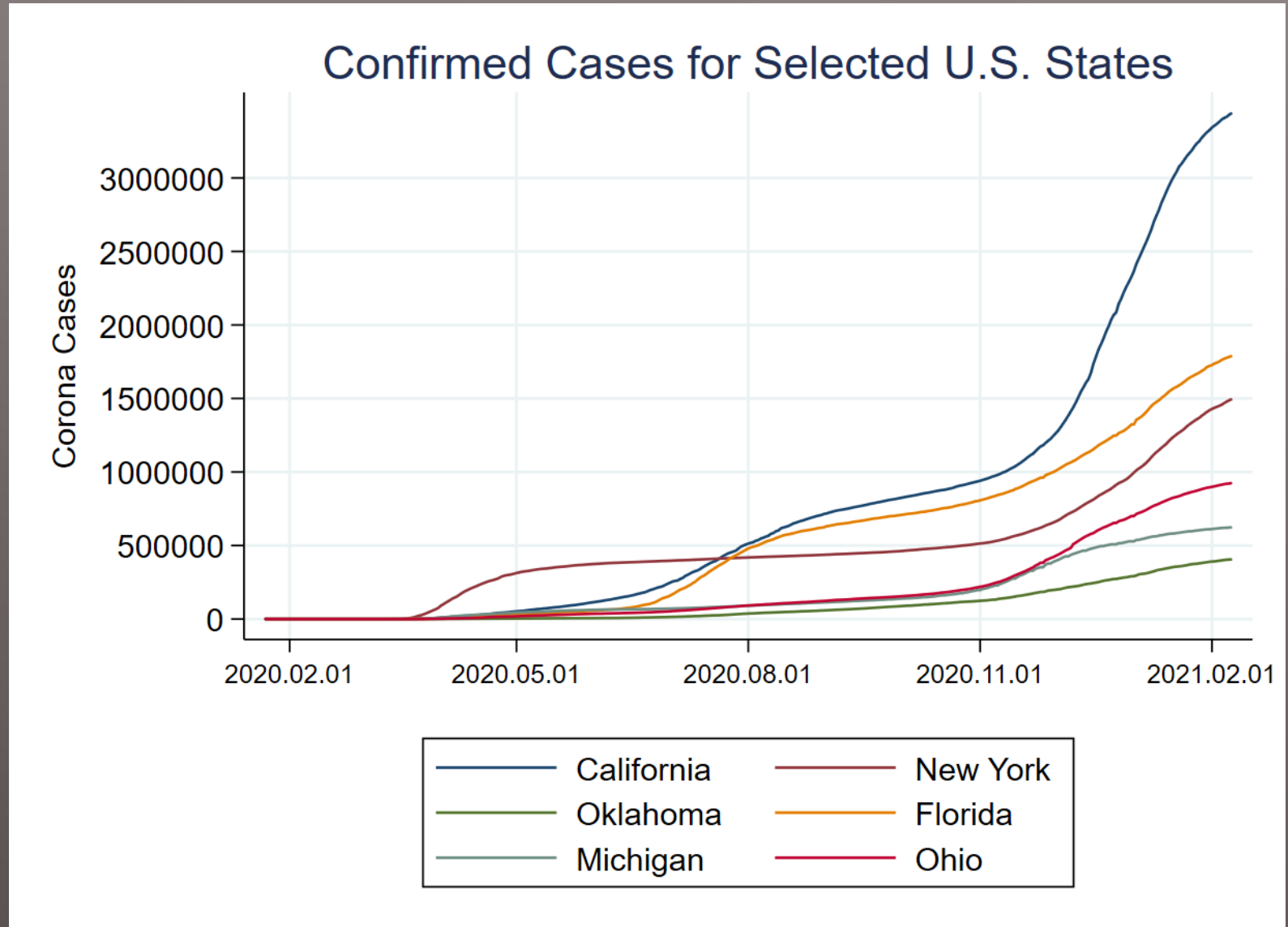
*NEW – DEATH RATE AND SOCIAL ACTIVITY

Sweden Corona Death Rates and Driving Activity

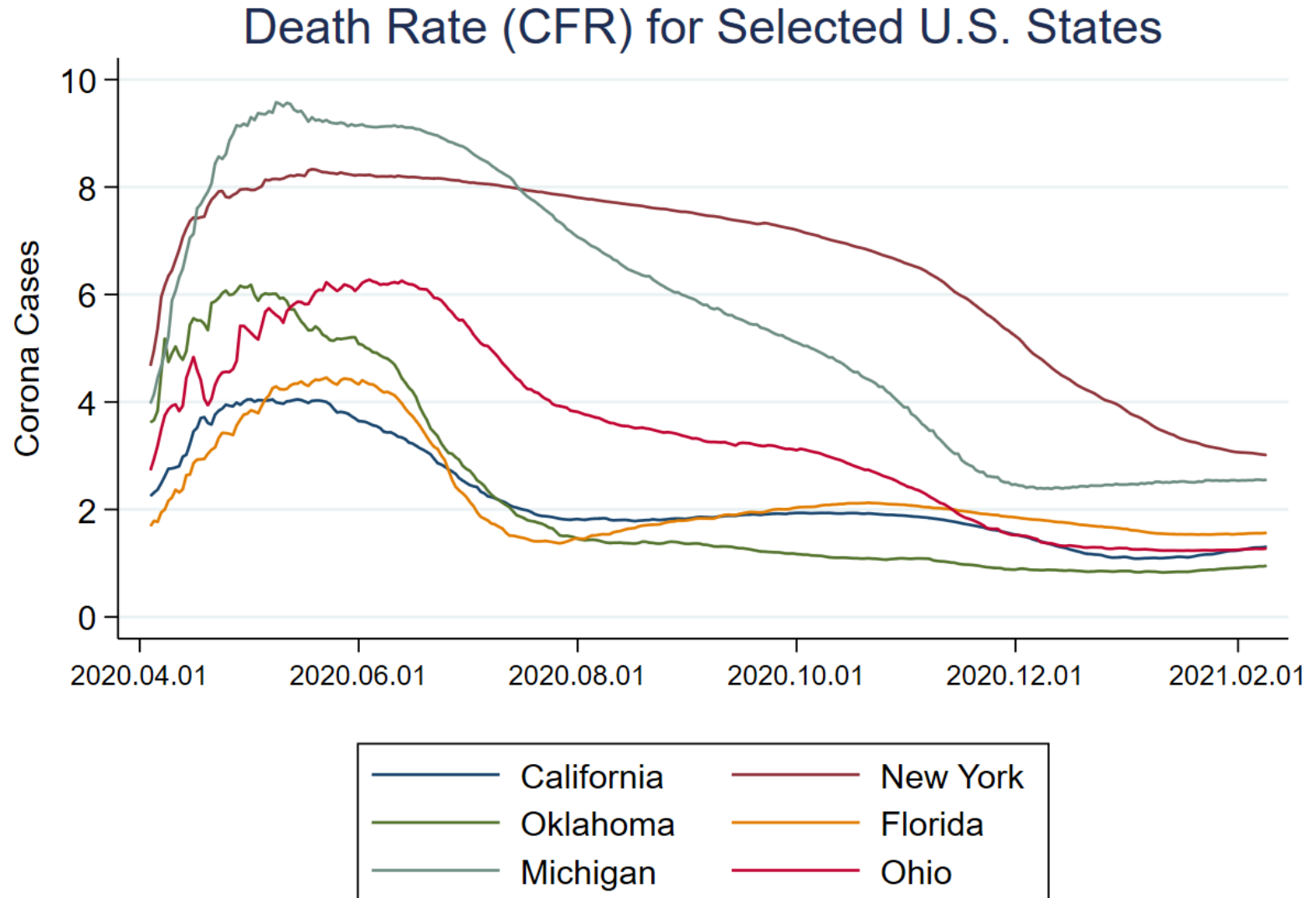


**US STATE GRAPHS NOT IN ORIGINAL
PRESENTATIONS – WE BEGAN ADDING AND
UPDATING THIS ON APRIL 27, 2020**

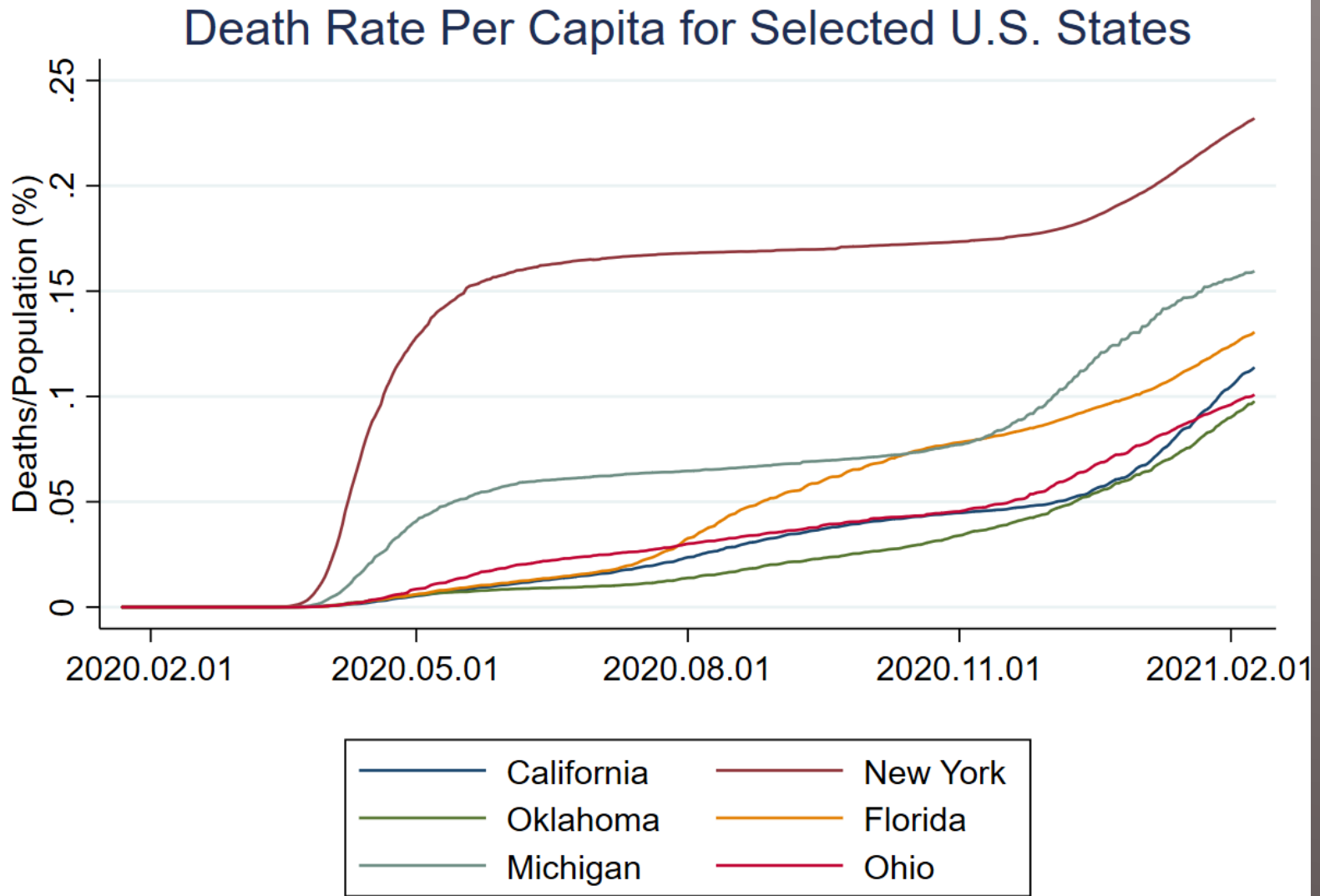
NEW GRAPHS US STATES



NEW GRAPHS US STATES

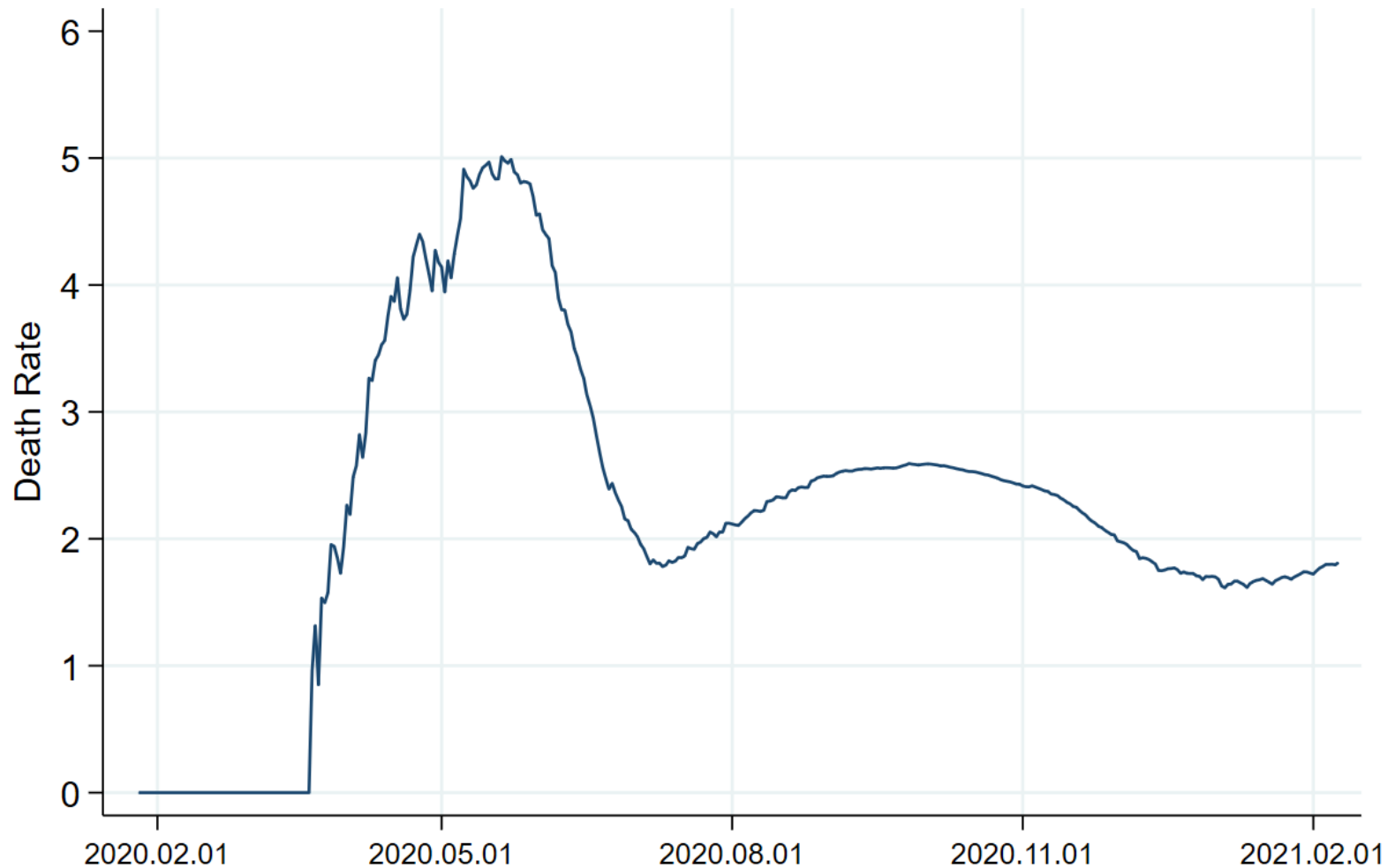


NEW GRAPHS US STATES

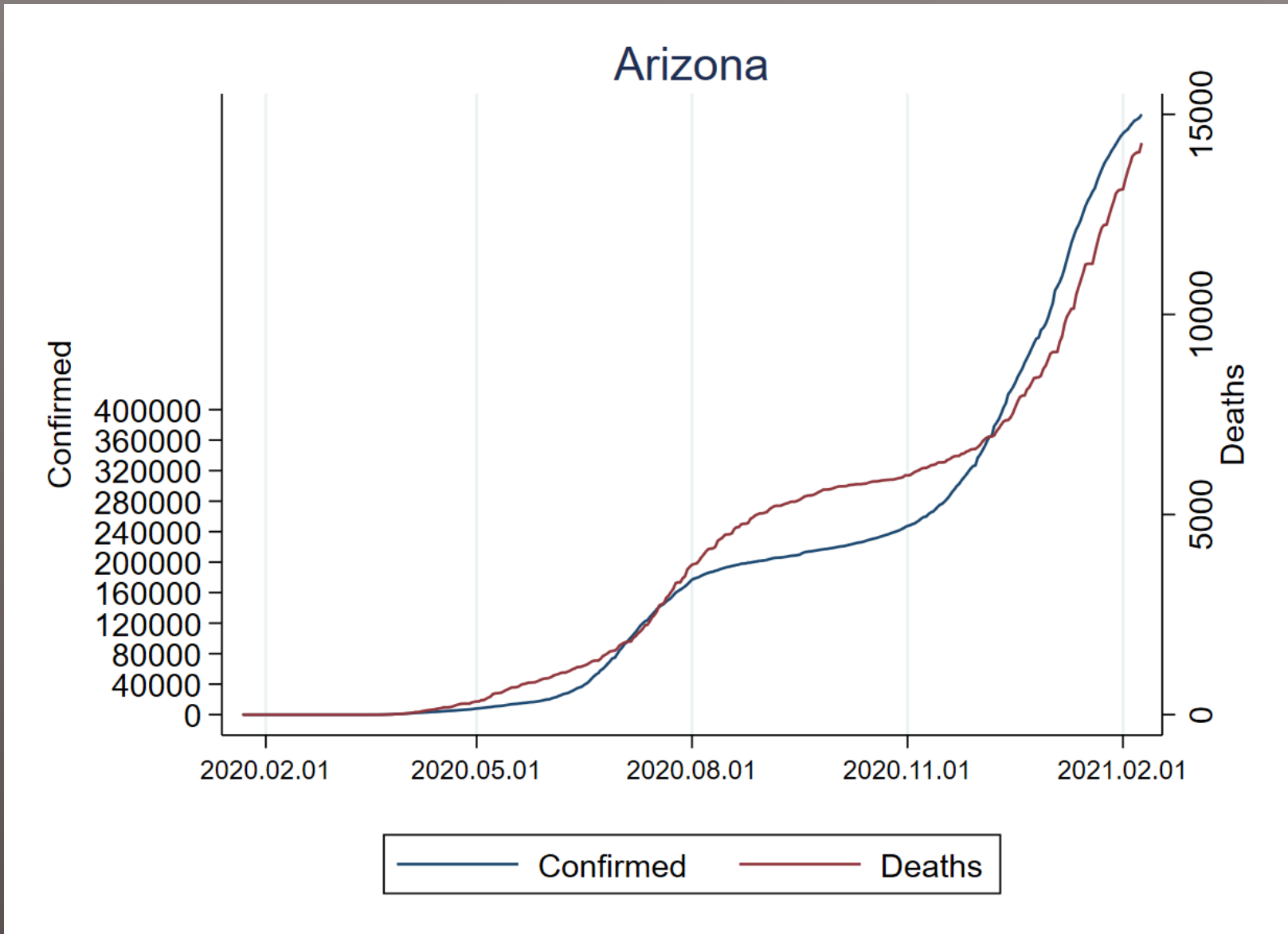


NEW GRAPHS US STATES

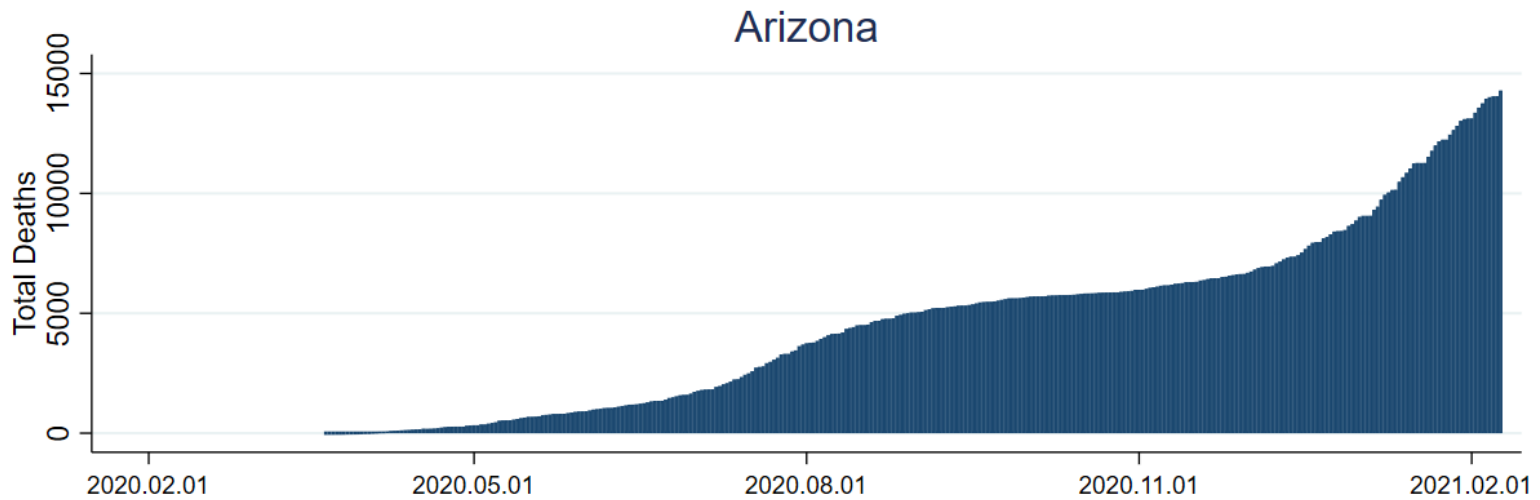
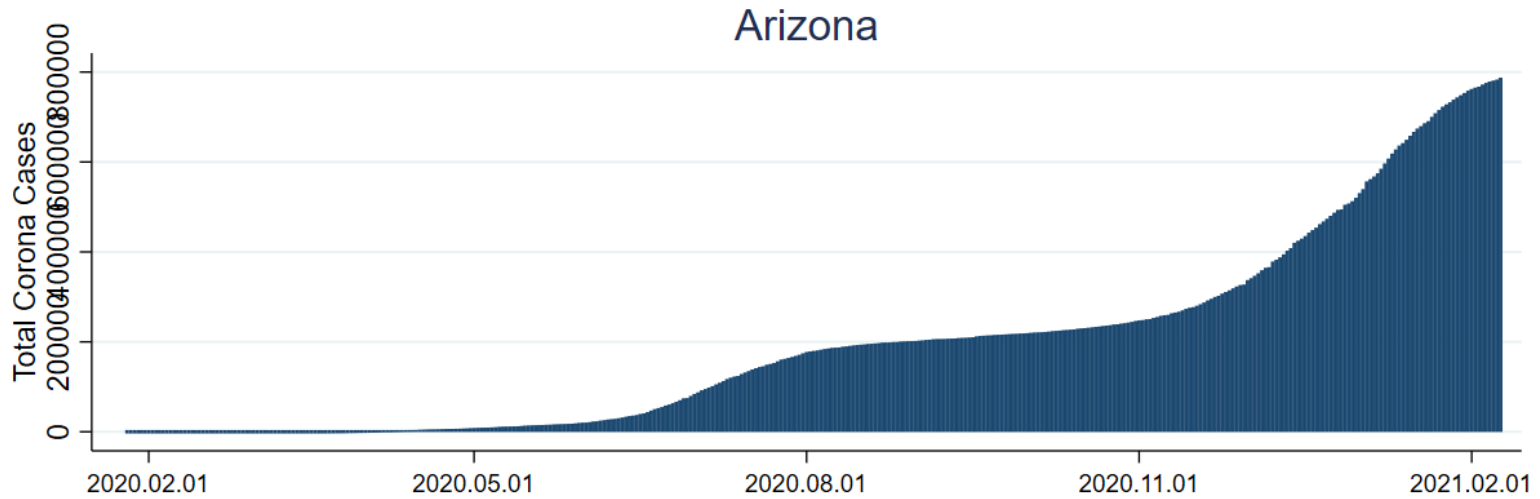
Death Rate for Arizona



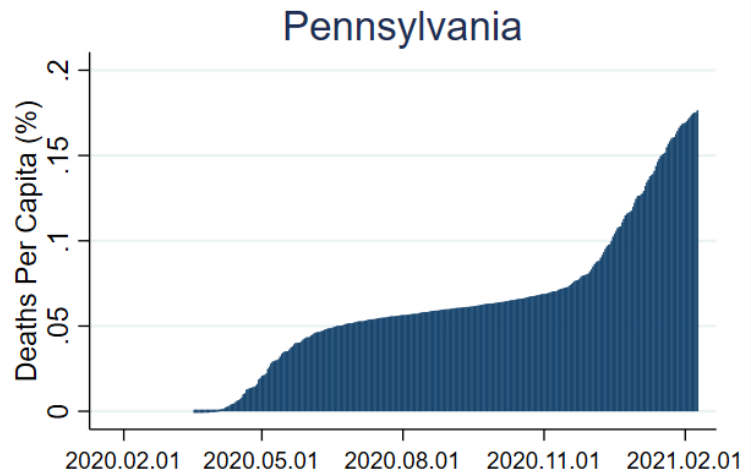
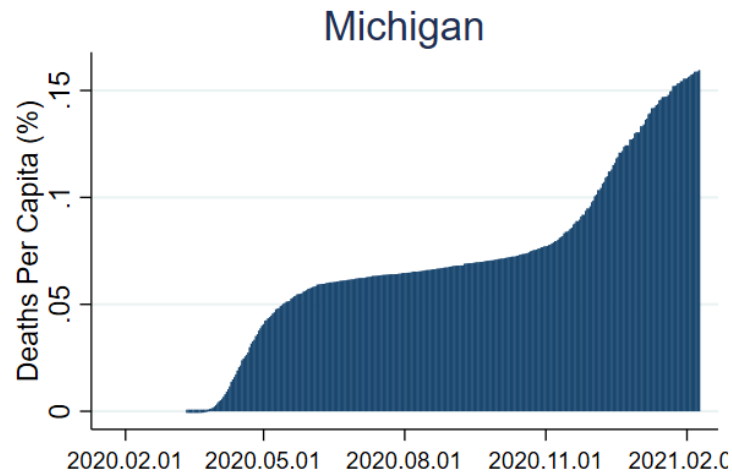
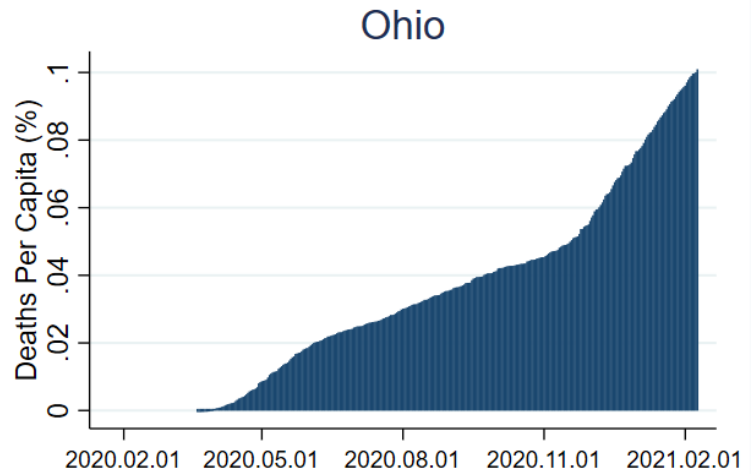
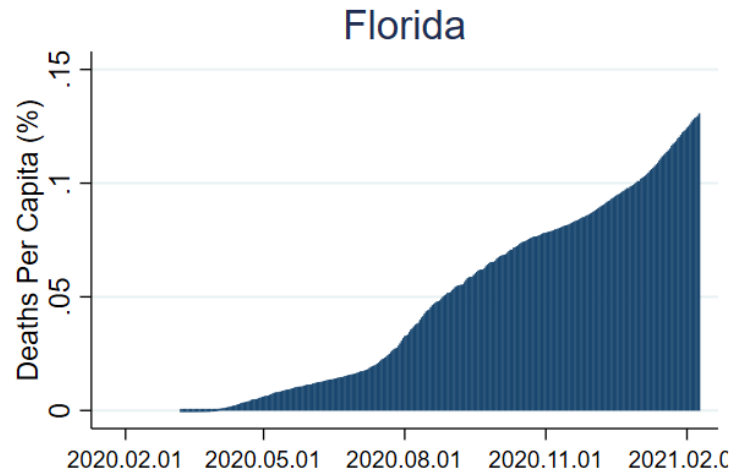
NEW GRAPHS US STATES



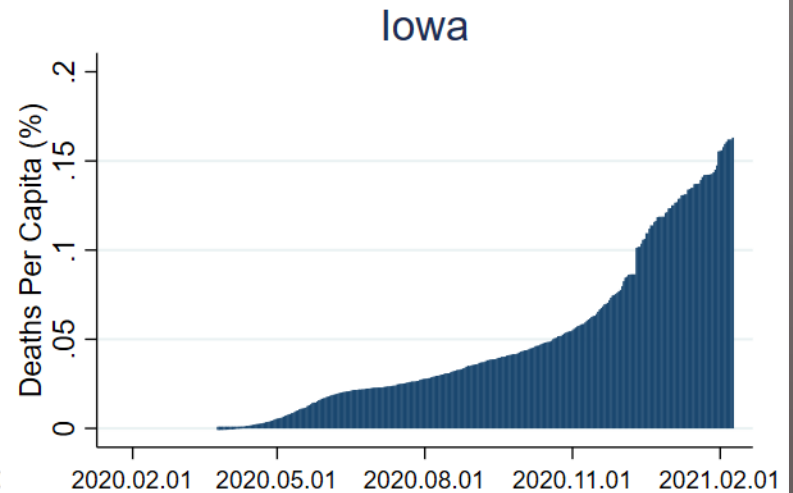
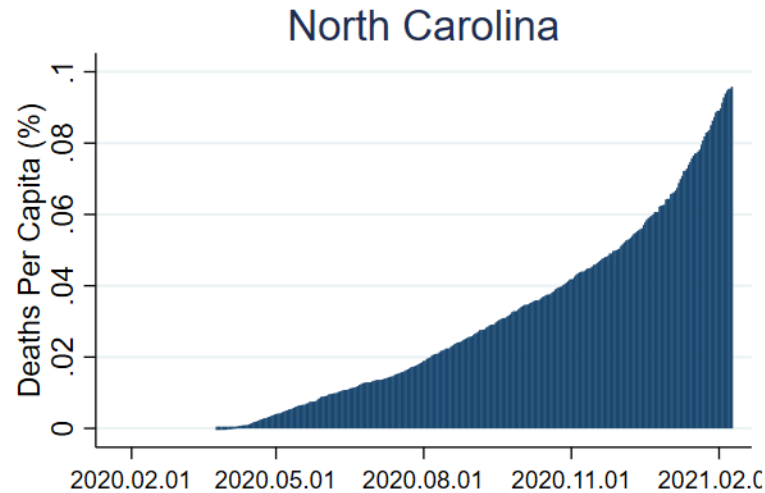
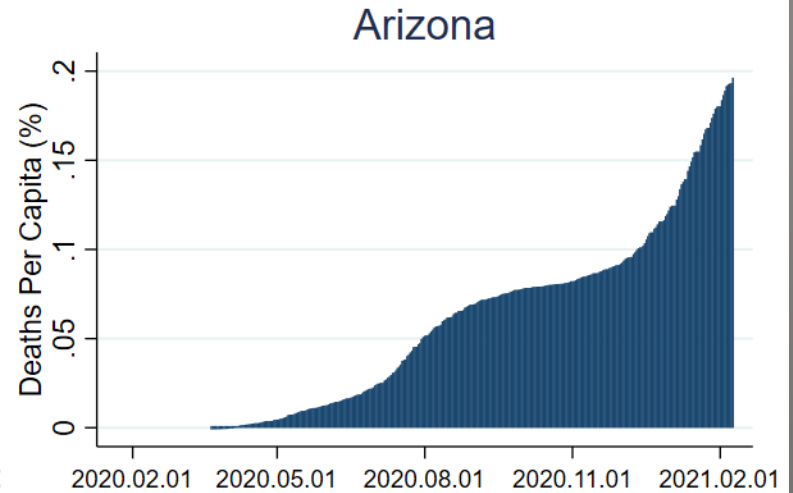
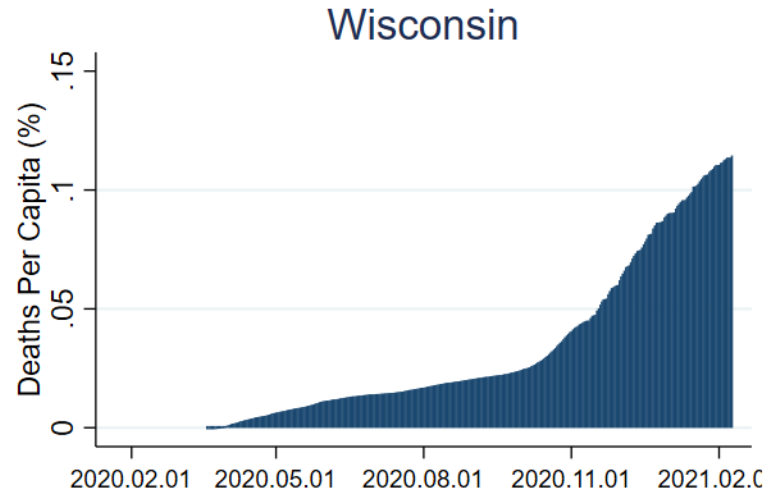
NEW GRAPHS US STATES



ELECTION 2020 – BATTLEGROUND STATES

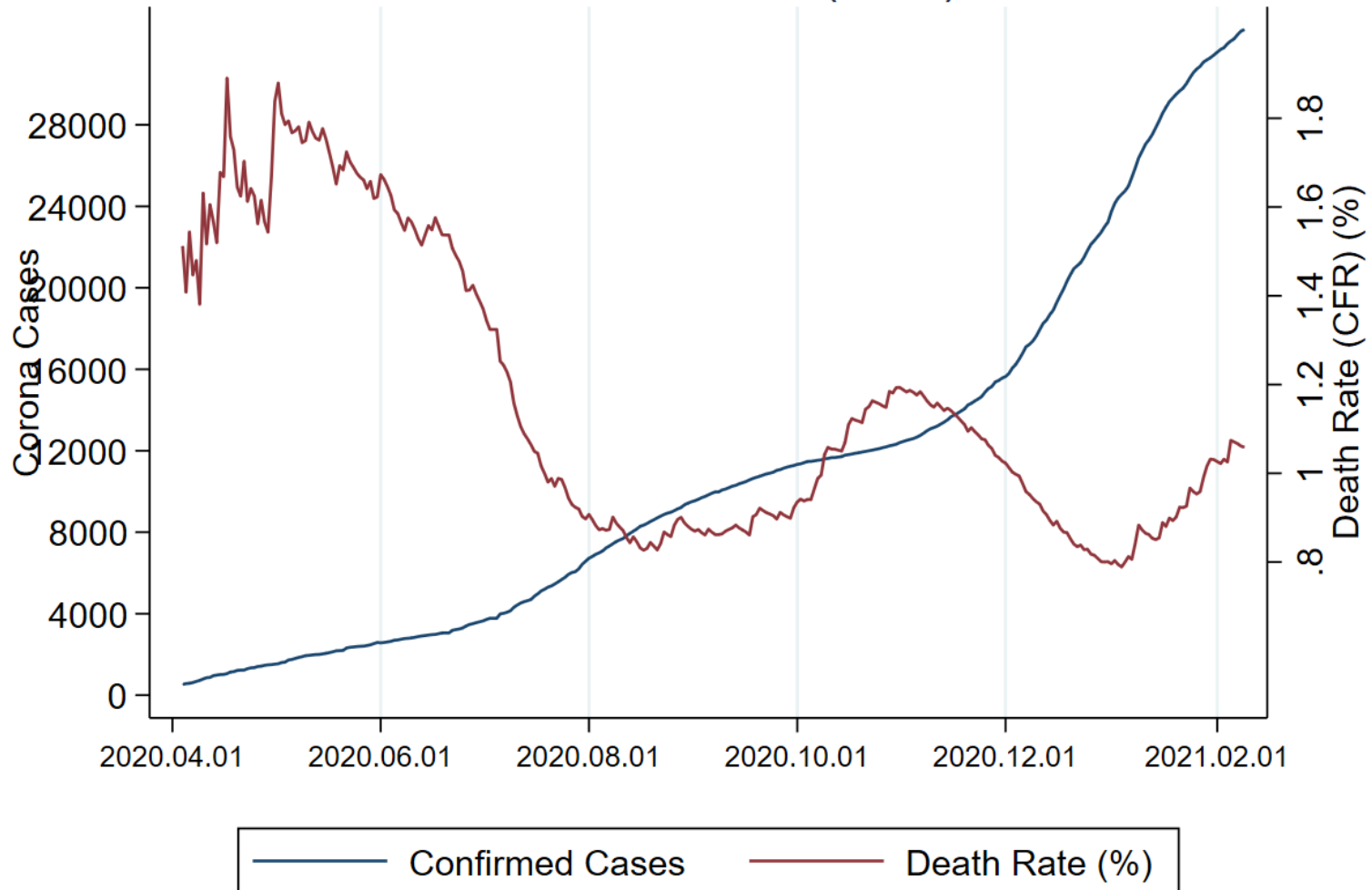


ELECTION 2020 – BATTLEGROUND STATES



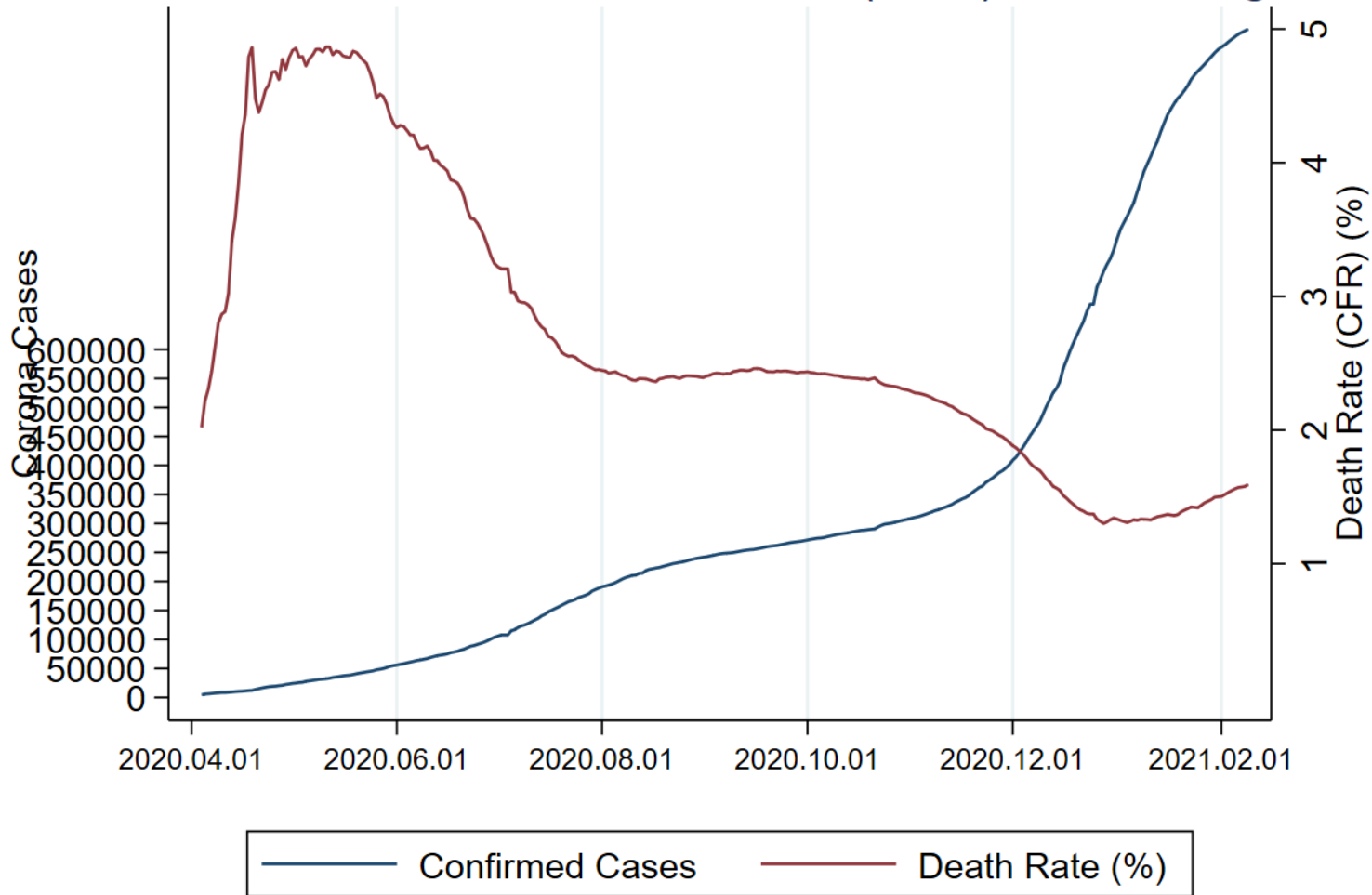
ELECTION 2020 – SELECT CALIFORNIA COUNTIES

Confirmed Cases and Death Rate (CFR) for San Francisco



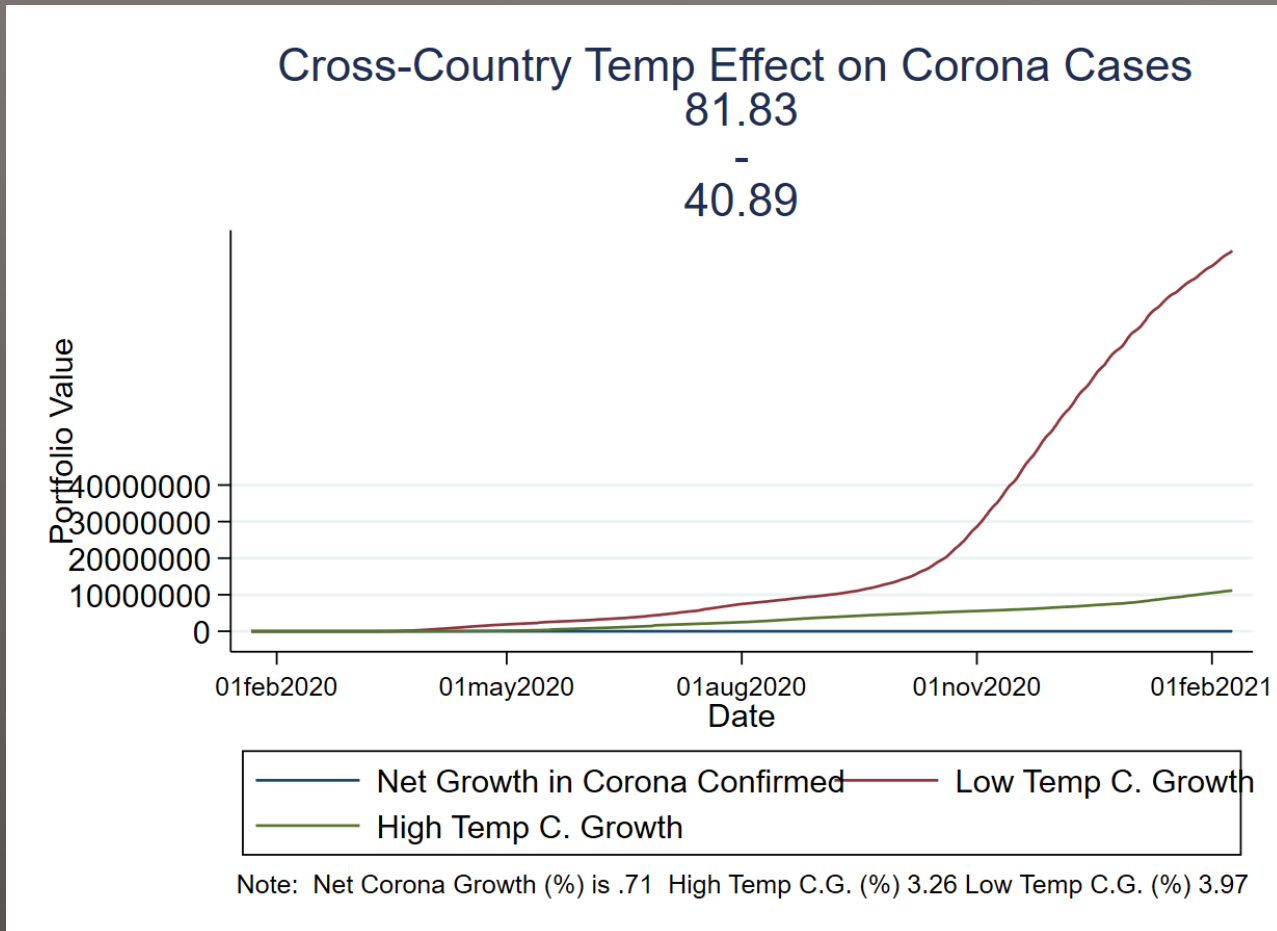
ELECTION 2020 – SELECT CALIFORNIA COUNTIES

Confirmed Cases and Death Rate (CFR) for Los Angeles



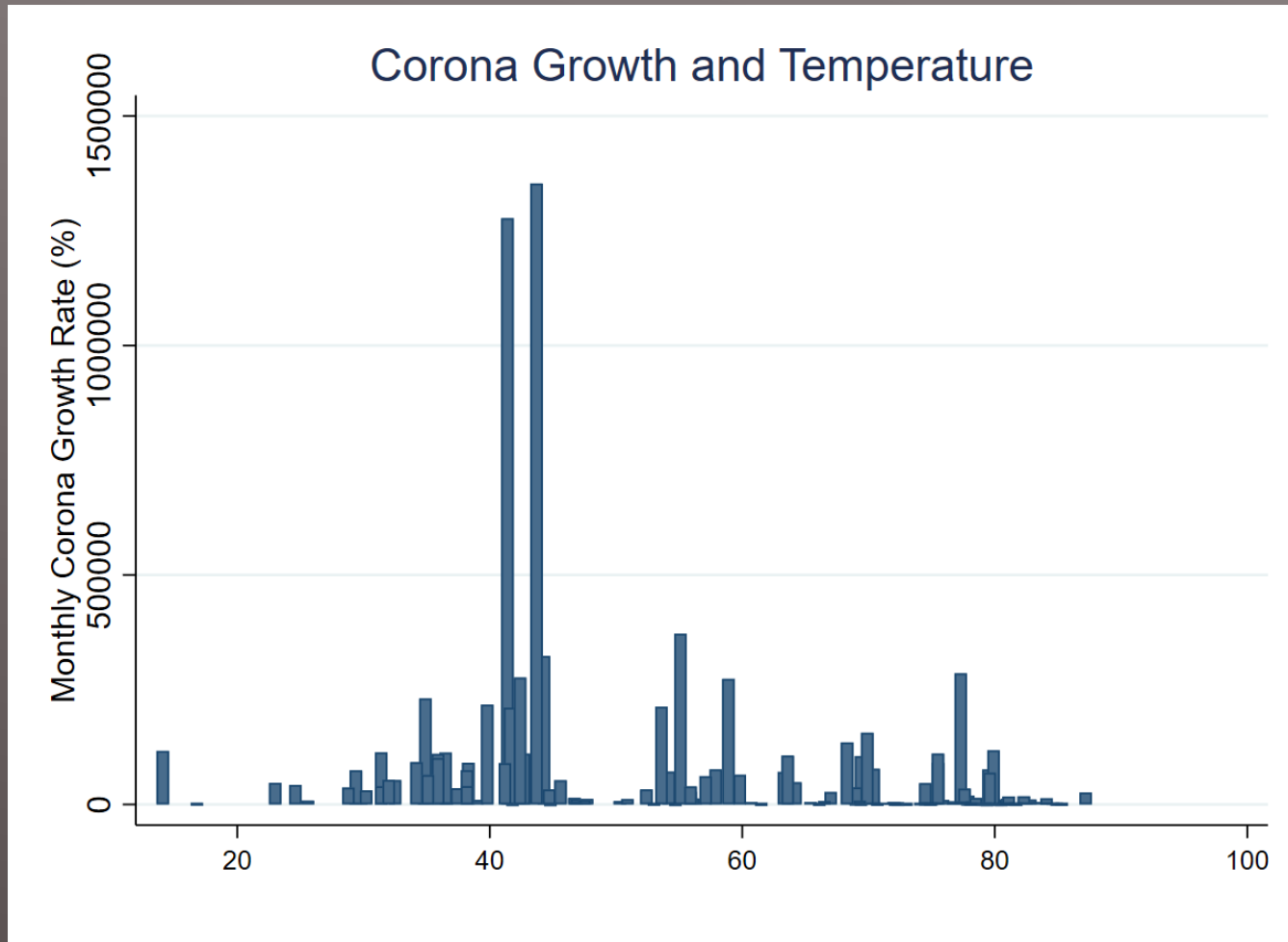
3. CROSS-COUNTRY CRUDE ANALYSIS

Test #2: Below is the graph of the growth of the portfolios starting at 100.



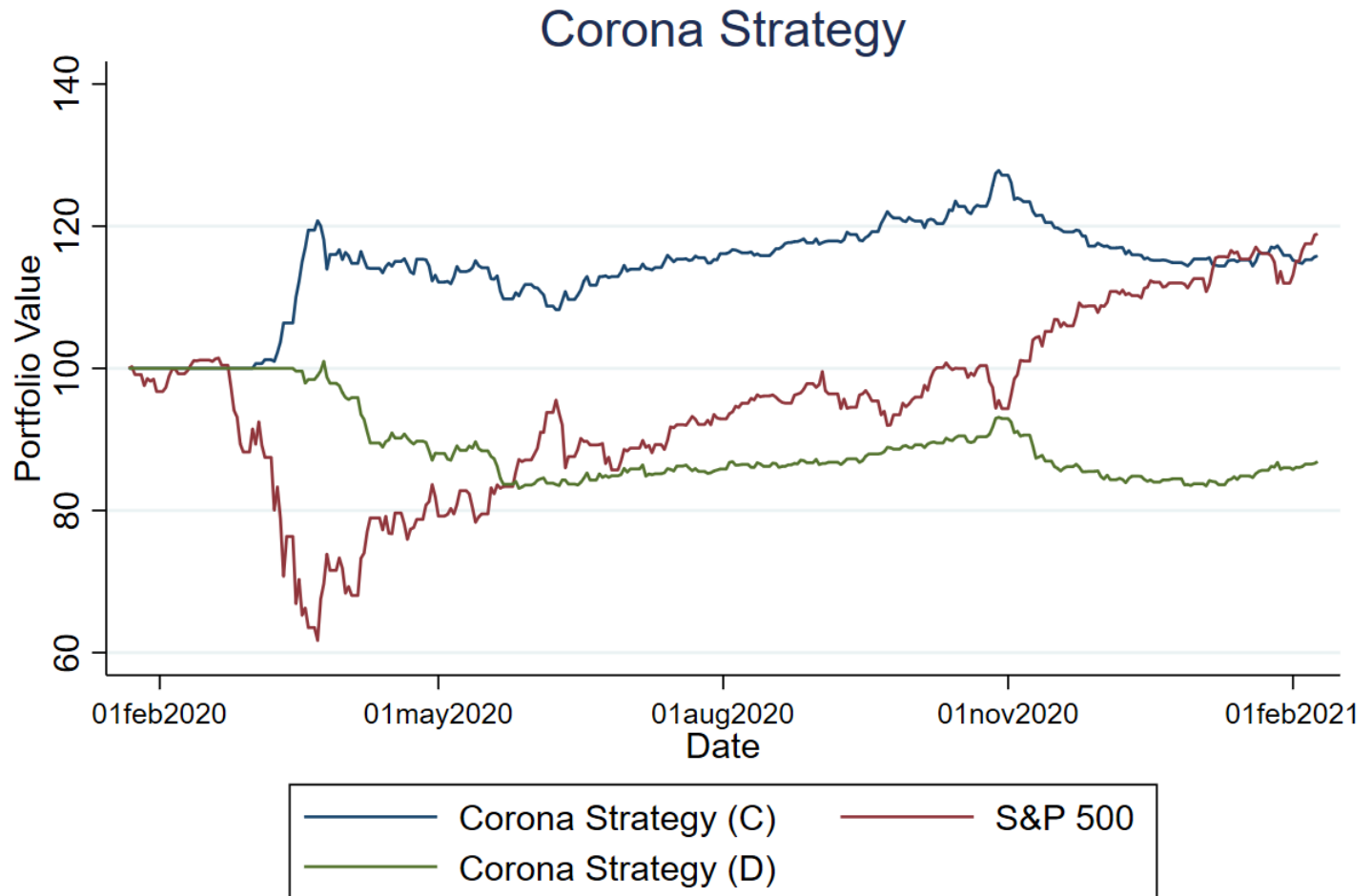
3. CROSS-COUNTRY CRUDE ANALYSIS

Weather and Corona – Histograms



4. STOCK MARKET AND CORONA

Zero-
Investment
Corona
Strategy
Portfolio.



Note: The daily mean of CS (bps) is 6. Sharpe Ratio is: .08 For DS: -6 and -.09

**NEW DATA – DOES MORE ACTIVITY –
WALKING, DRIVING, TRANSIT LEAD TO
MORE DEATHS OR MORE CORONA CASES?
(ADDED ON 05/15/2020)**

UPDATED ESTIMATION RESULTS

Old Age Population, Hospital Beds and GDP Capita and the Corona Death Rate

Table 1. Corona Death Rate and Hospital Beds per 1000, Percent Old Age, and GDP Per Capita 2 - 9 - 2021

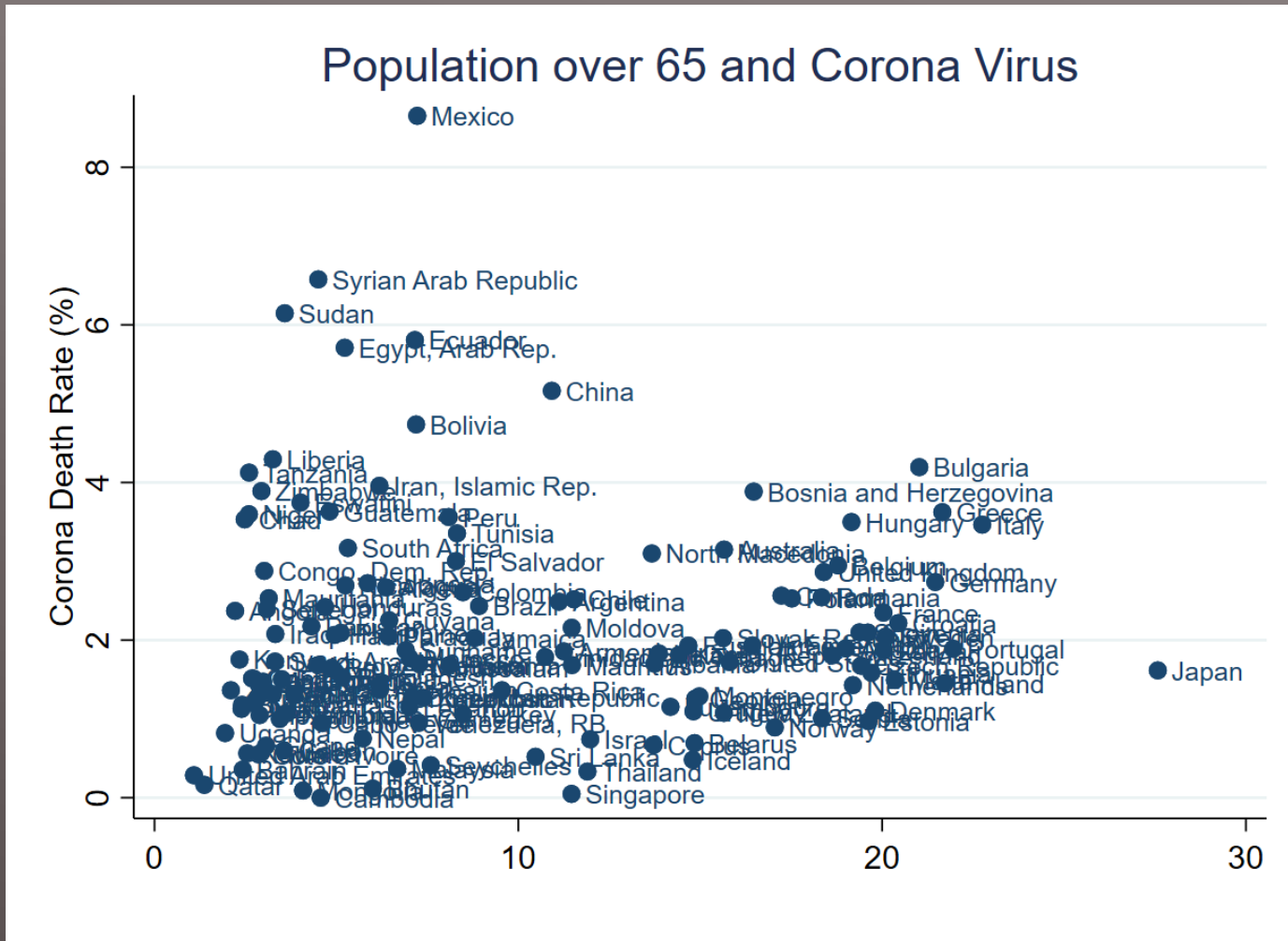
	(1) deathrate
beds	-0.0999 (-1.62)
pop65up	0.0644** (2.65)
GDPCapPPP	-0.0000192** (-3.28)
_cons	2.078*** (10.47)
<i>N</i>	141

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

UPDATED ESTIMATION RESULTS

Old Age Population and Death Rates



UPDATED ESTIMATION RESULTS

Airline Travel as Proxy for Openness and Corona Cases

Table 2. Corona Confirmed and Confirmed Per Capita and Airline Passengers Per Year as of 2 - 9 - 2021

	(1) cumulConfirmed	(2) confcapita
airpassengers	0.0212*** (14.05)	3.75e-09 (1.69)
_cons	121750.7 (0.81)	2.278*** (10.33)
<i>N</i>	142	142

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

UPDATED ESTIMATION RESULTS

Corona and Population Density (Country)

Table 3. Growth of Corona Confirmed and Country Population Density 2 - 9 - 2021

	(1) growthconf
popdens	-0.000000289 (-0.32)
_cons	0.00516*** (7.78)
<i>N</i>	141

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

UPDATED ESTIMATION RESULTS

Obesity and Corona Death Rate

Table 4. Corona Death Rate per Capita and Obesity Level 2 - 9 - 2021

	(1) deathpop
shareofadultst hatareoverwei ght	0.00180*** (8.80)
_cons	-0.0424*** (-4.00)
<i>N</i>	141

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

UPDATED ESTIMATION RESULTS

Temperature and Monthly Corona Growth

Table 5. Monthly Growth in Corona against Temperature and GDP Capita 2 - 9 - 2021

	(1) RetM
temp	-20.20*** (-3.30)
GDPCapPPP	0.00442 (0.95)
_cons	1563.5*** (3.49)
<i>N</i>	1352

t statistics in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$