

Coronavirus: Why You Must Act Now

Politicians, Community Leaders and Business Leaders: What Should You Do and When?



Tomas Pueyo

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1. How Many Cases of Coronavirus Will There Be in Your Area?

Chart 1: Total Worldwide Cases of Coronavirus

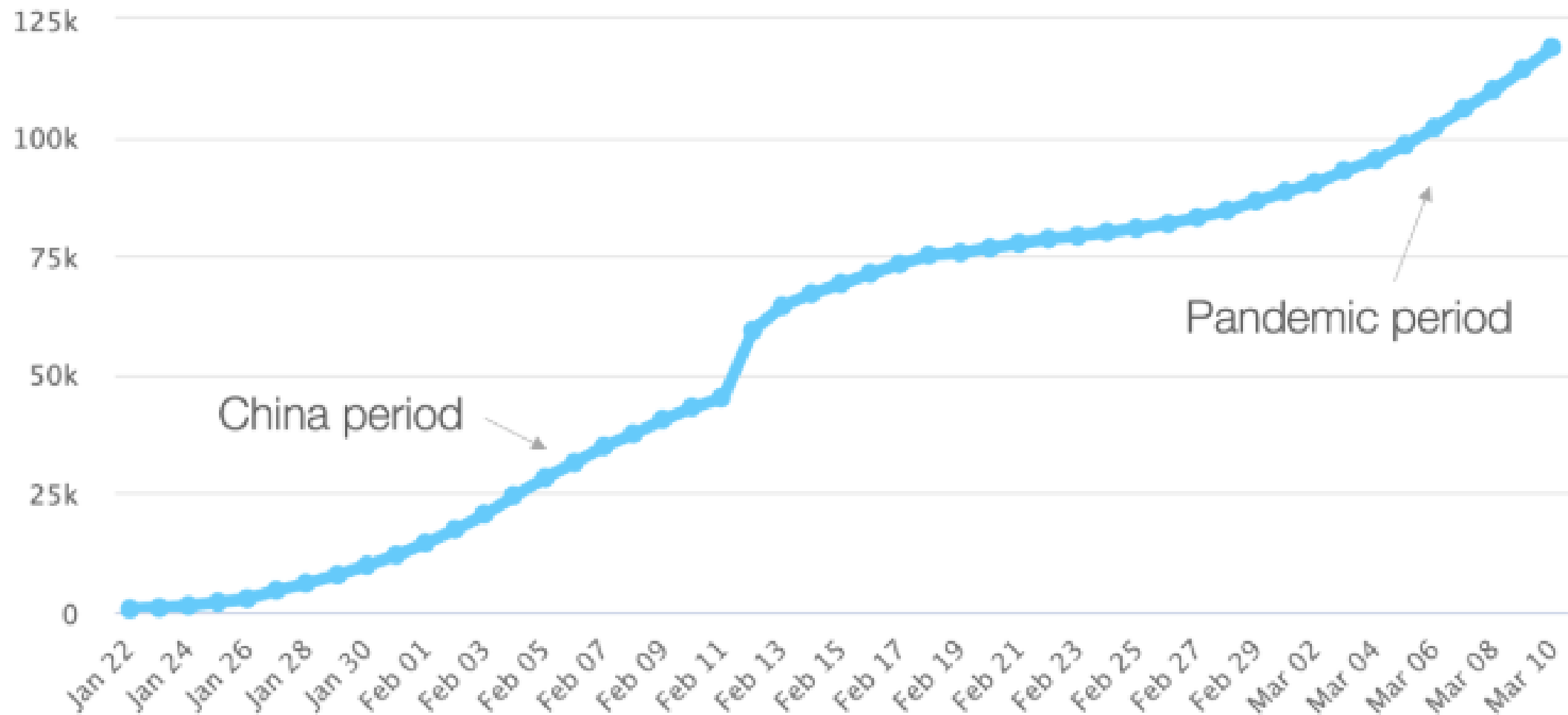


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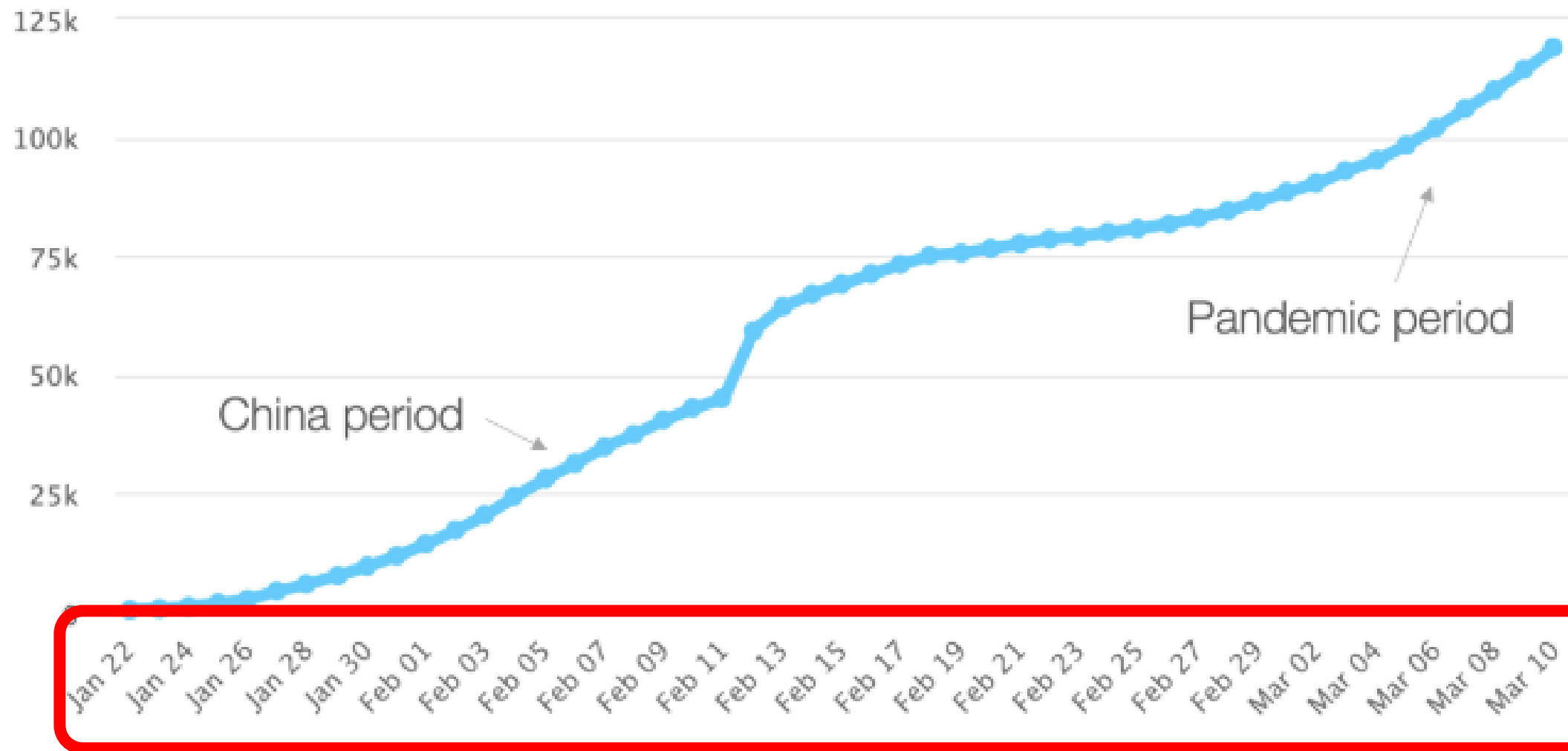


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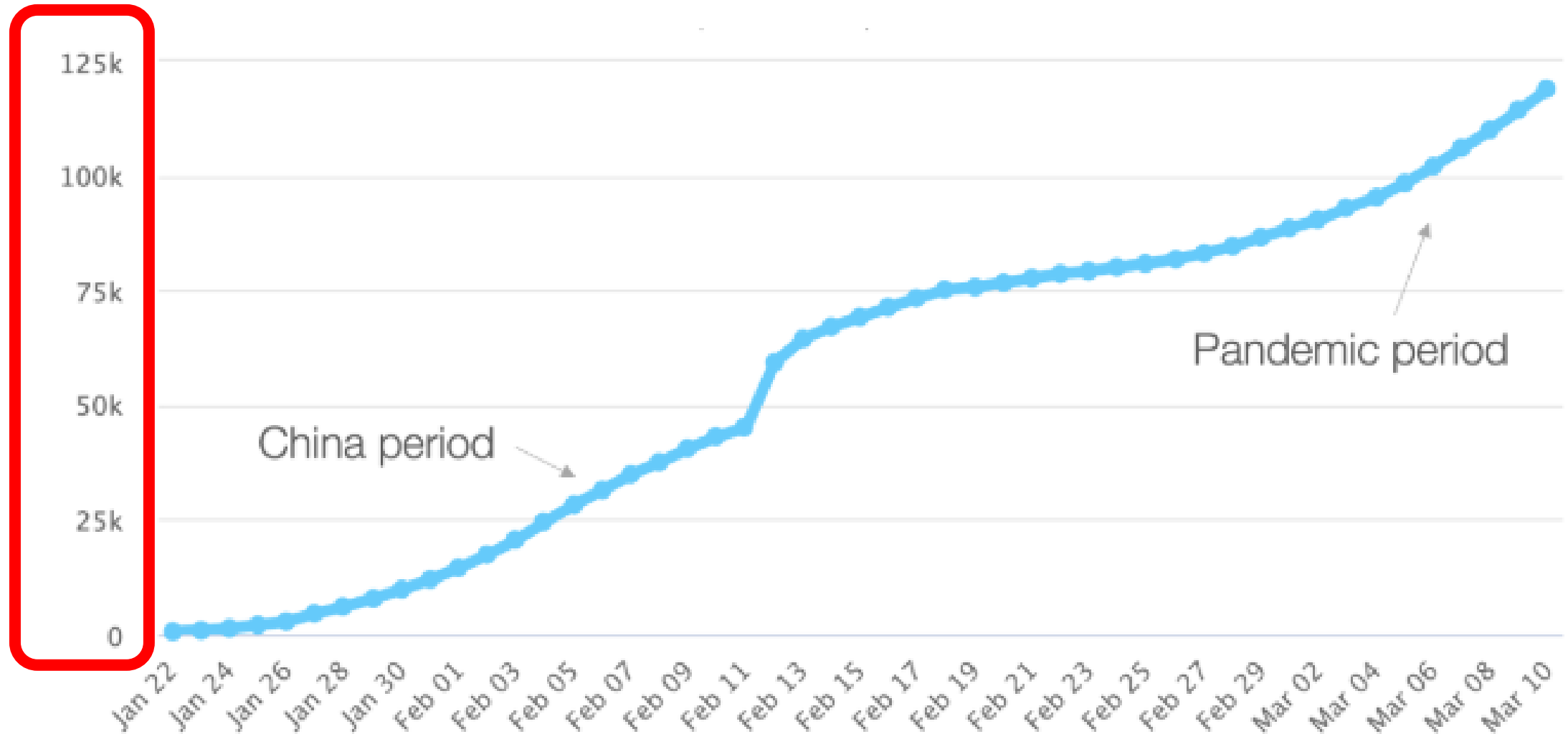


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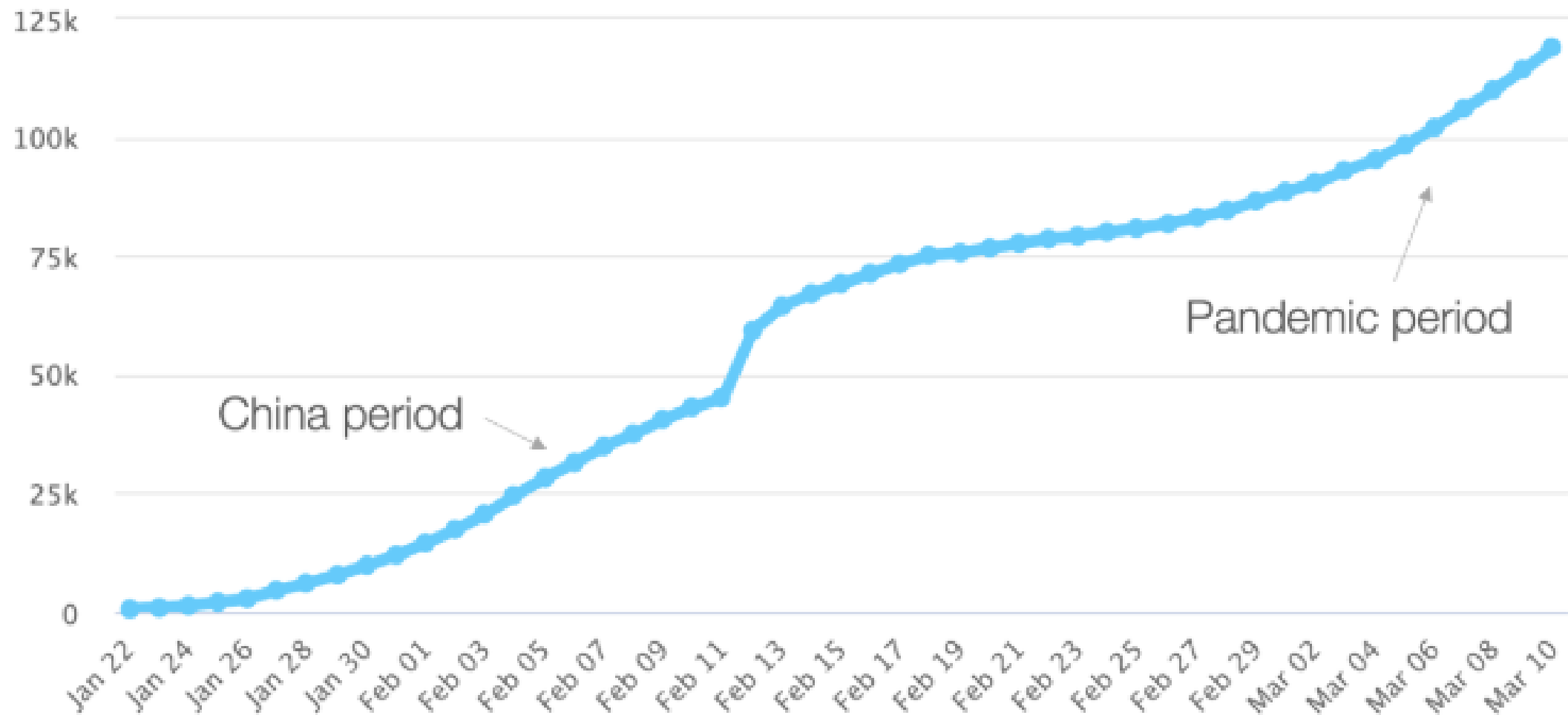


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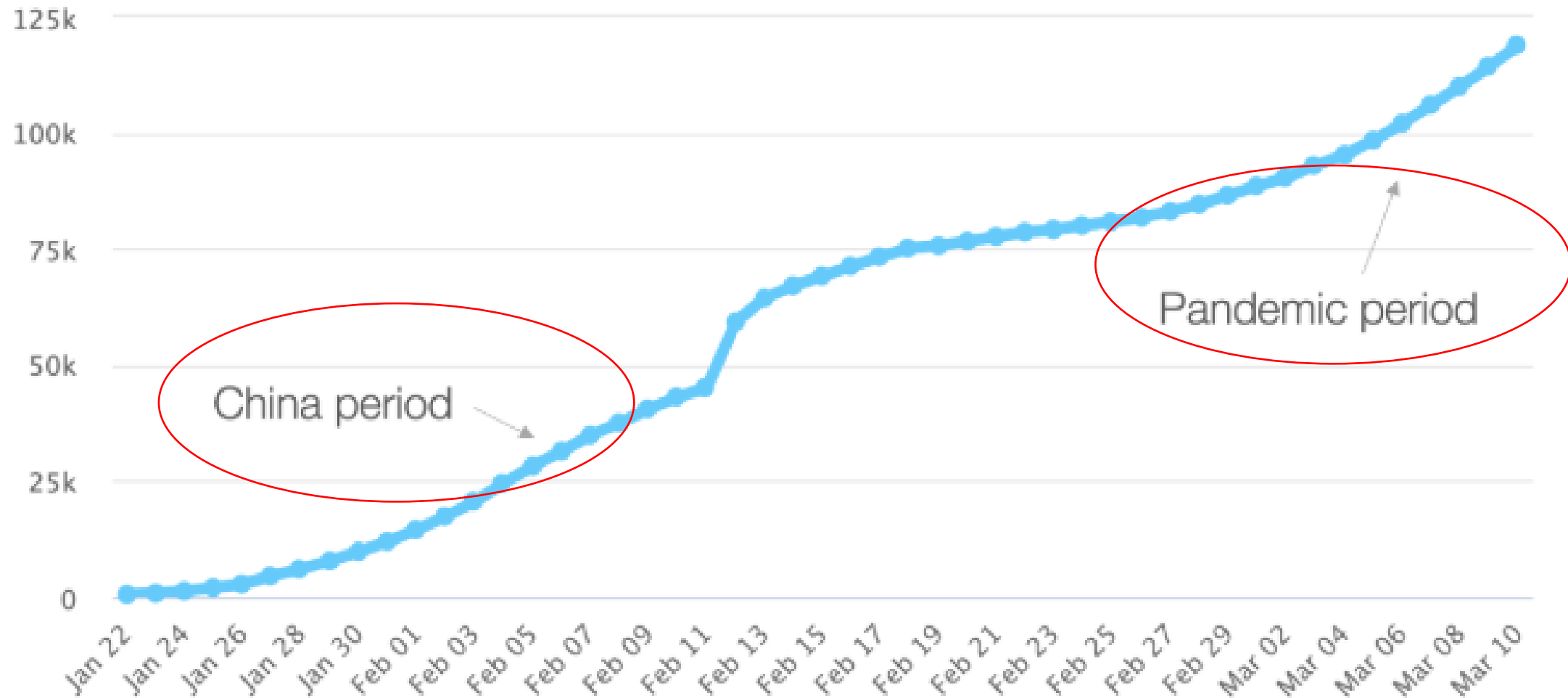


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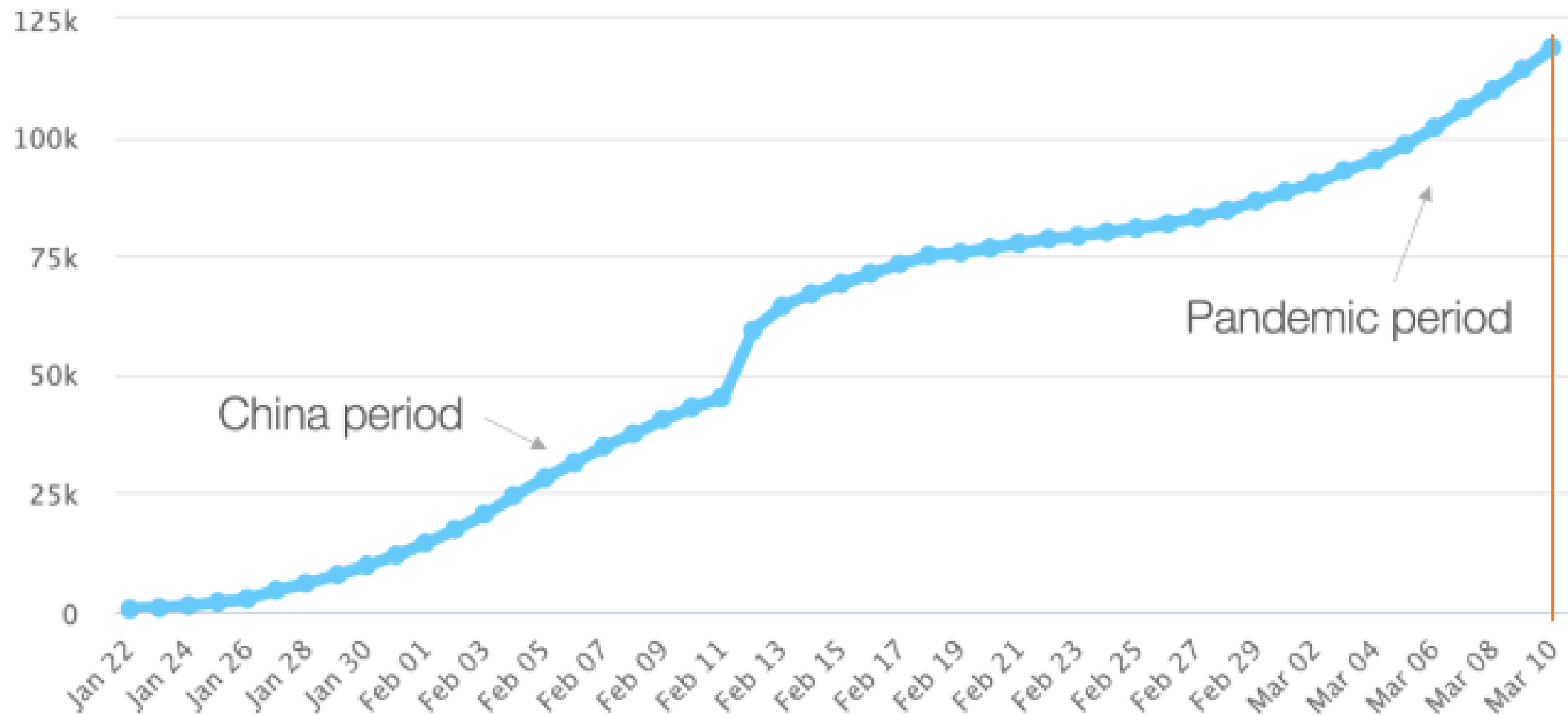


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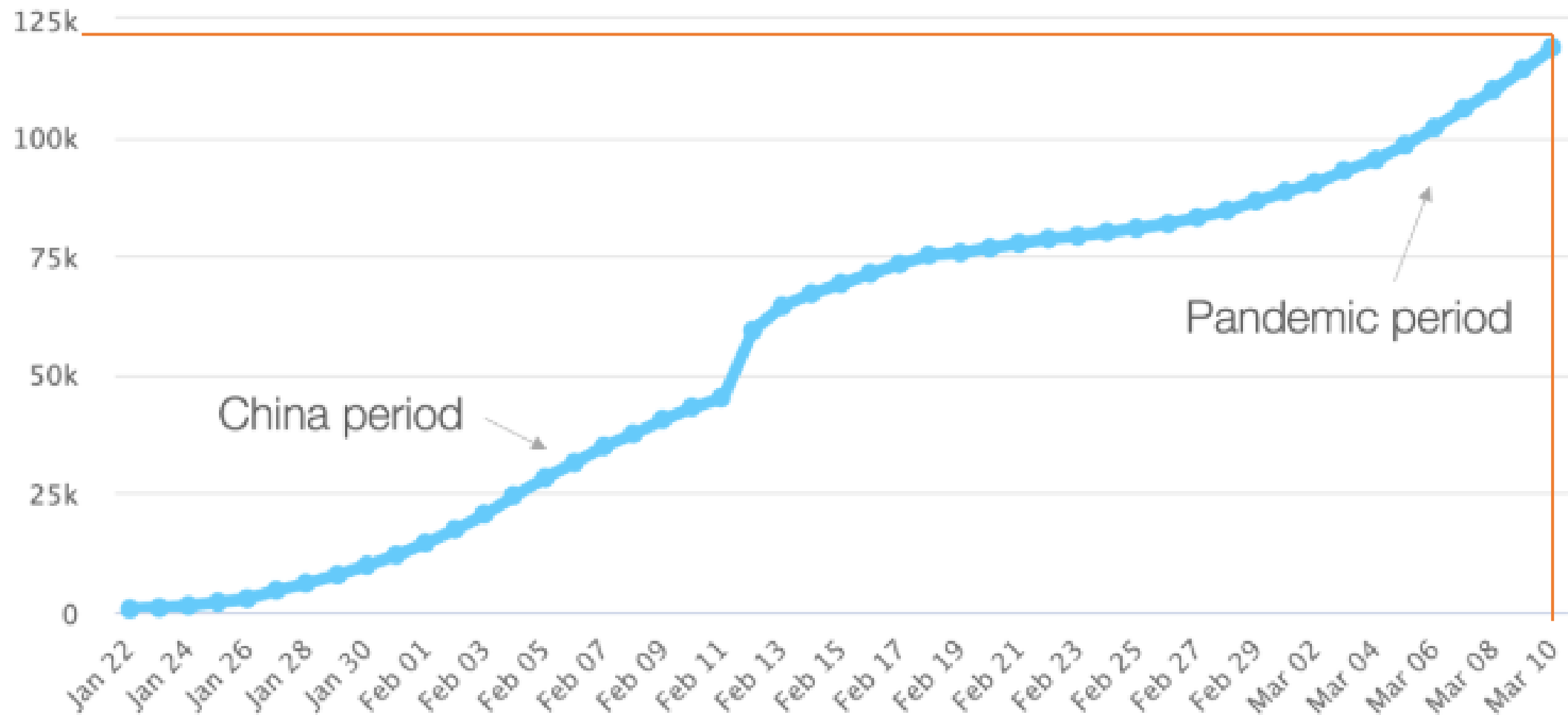
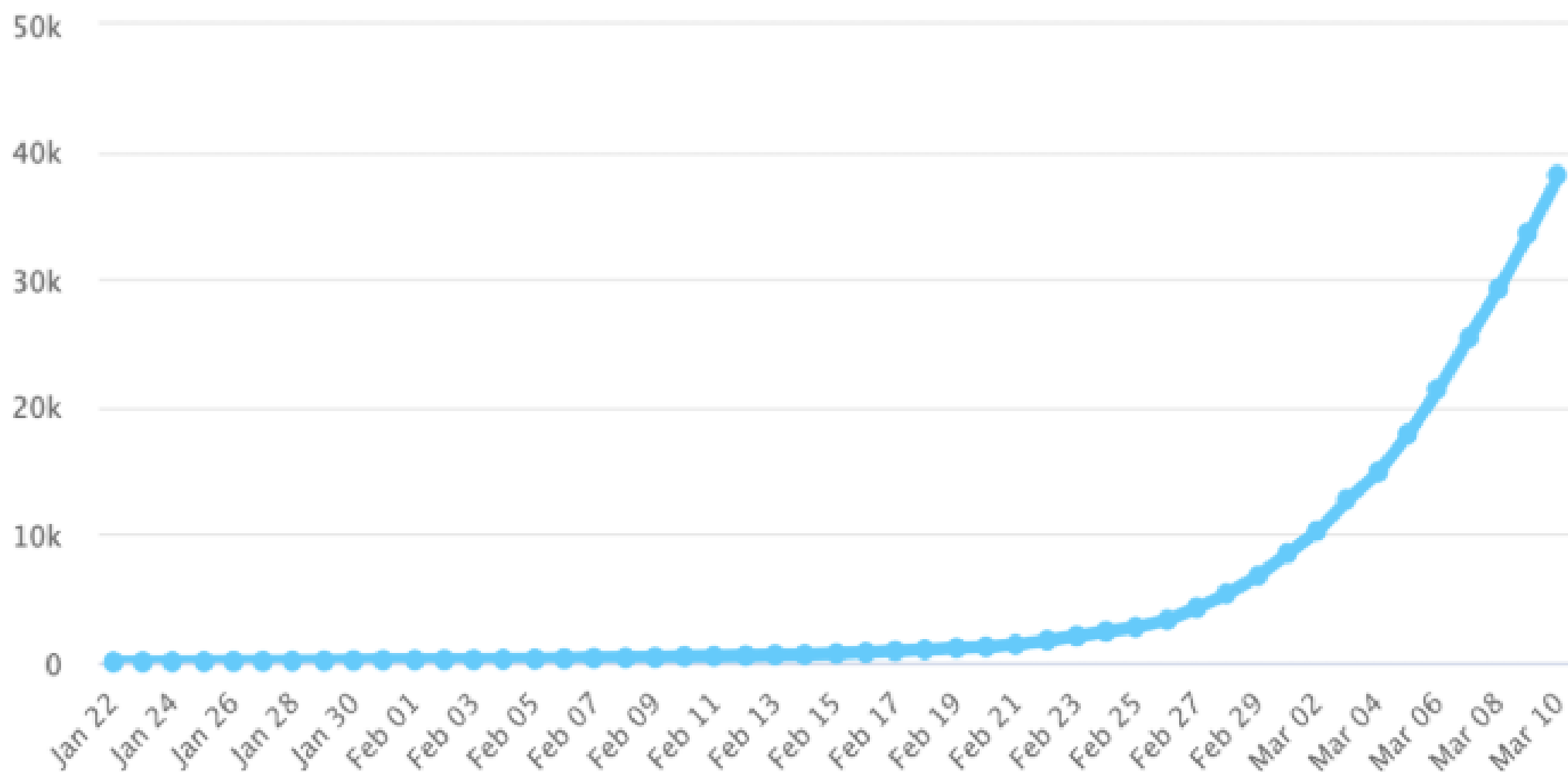
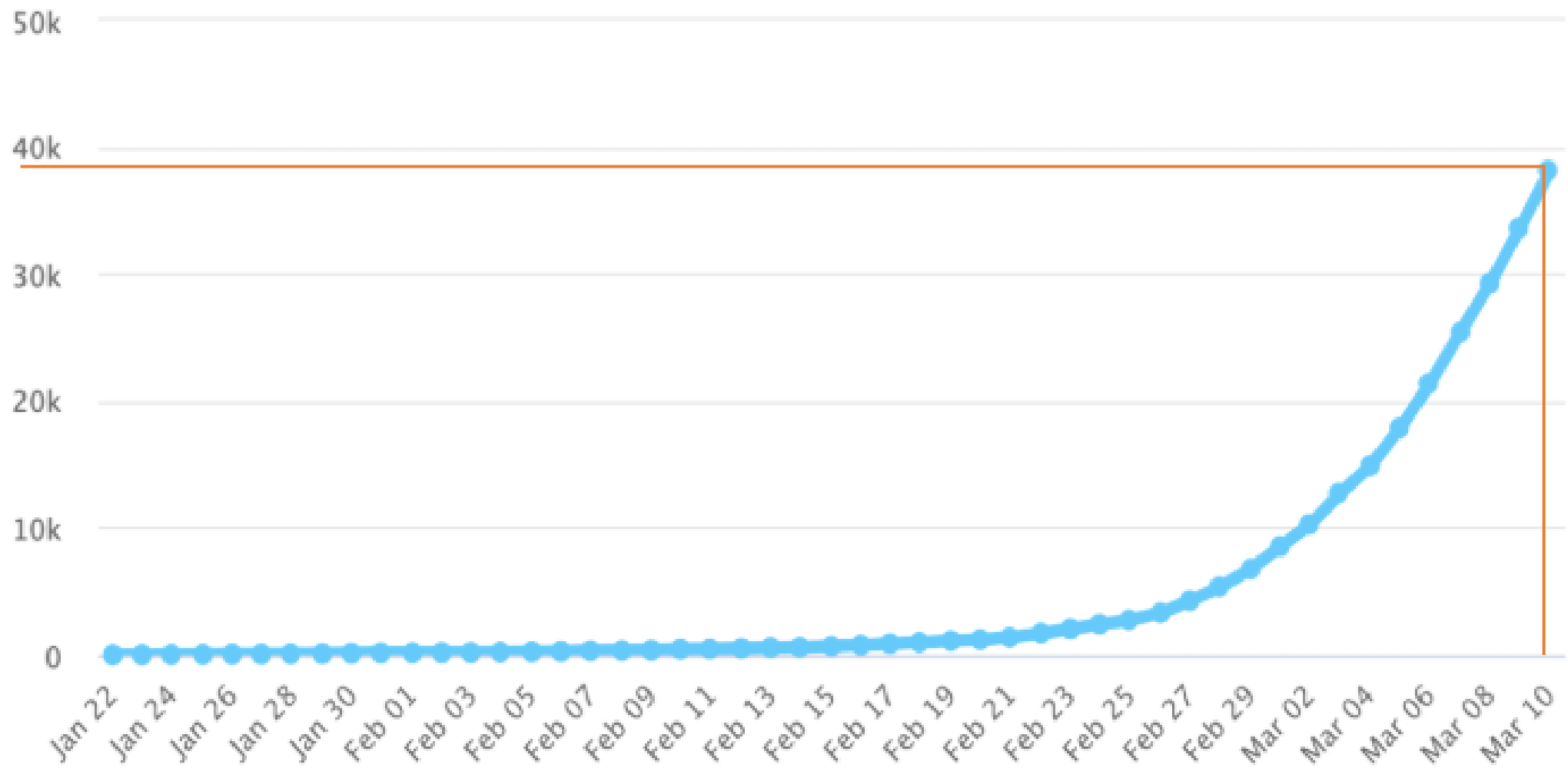


Chart 2: Total Cases of Coronavirus Outside of China



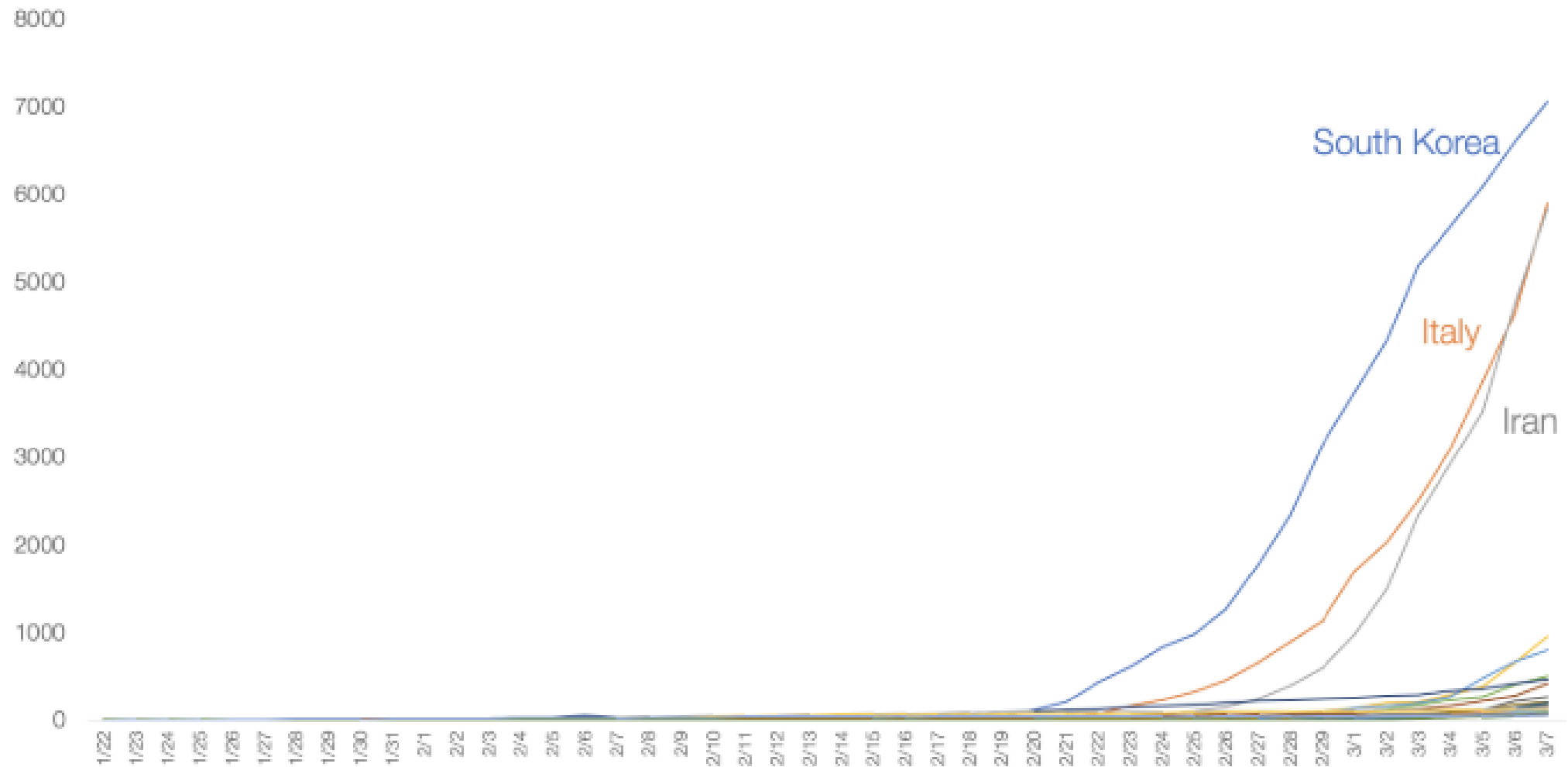
Source: Tomas Pueyo, based on worldometers chart and data: <https://www.worldometers.info/coronavirus/coronavirus-cases/>

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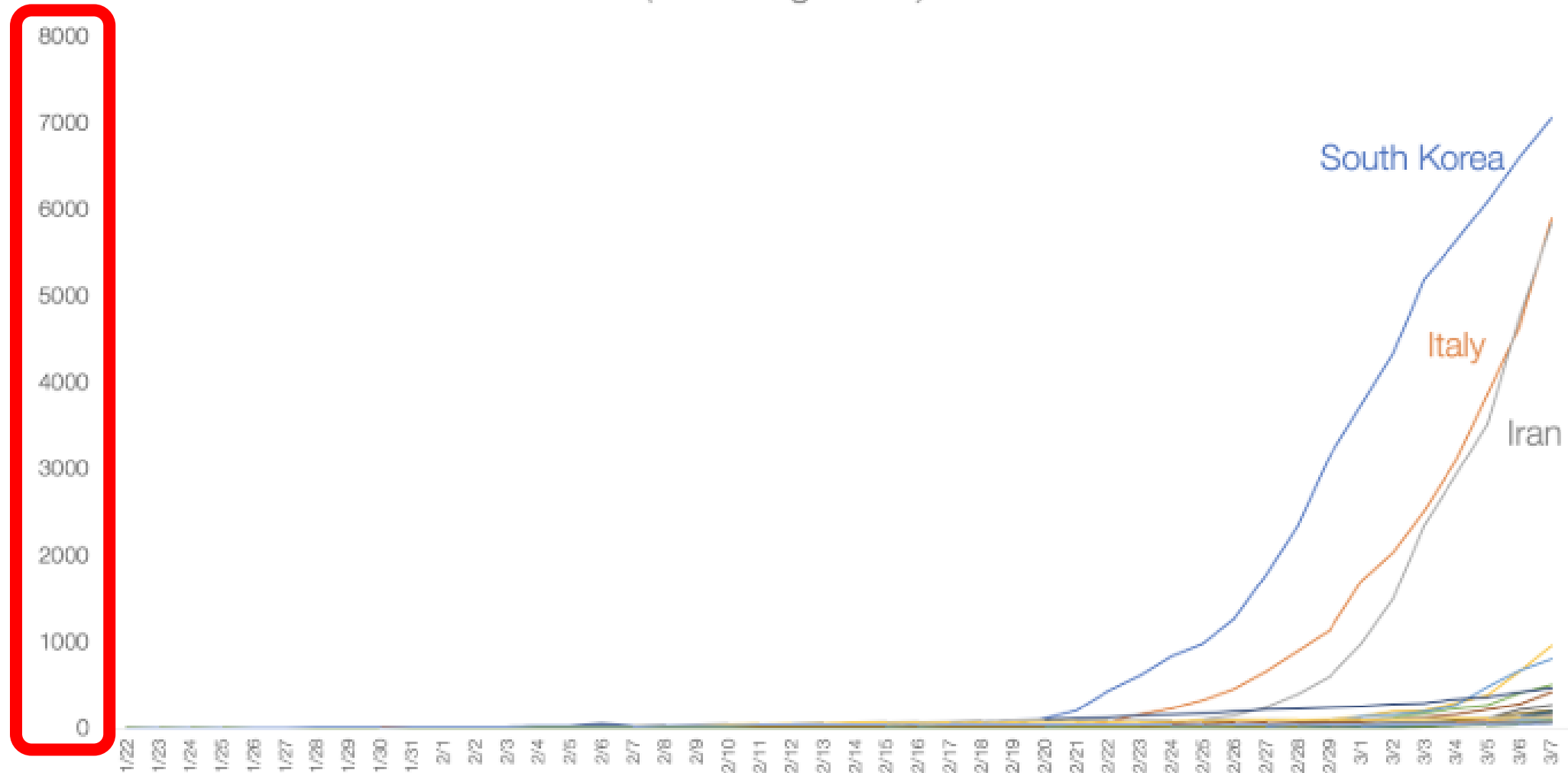
Chart 3: Coronavirus Cases per Country
(Excluding China)



Source: Tomas Pueyo analysis from primary data from Github:

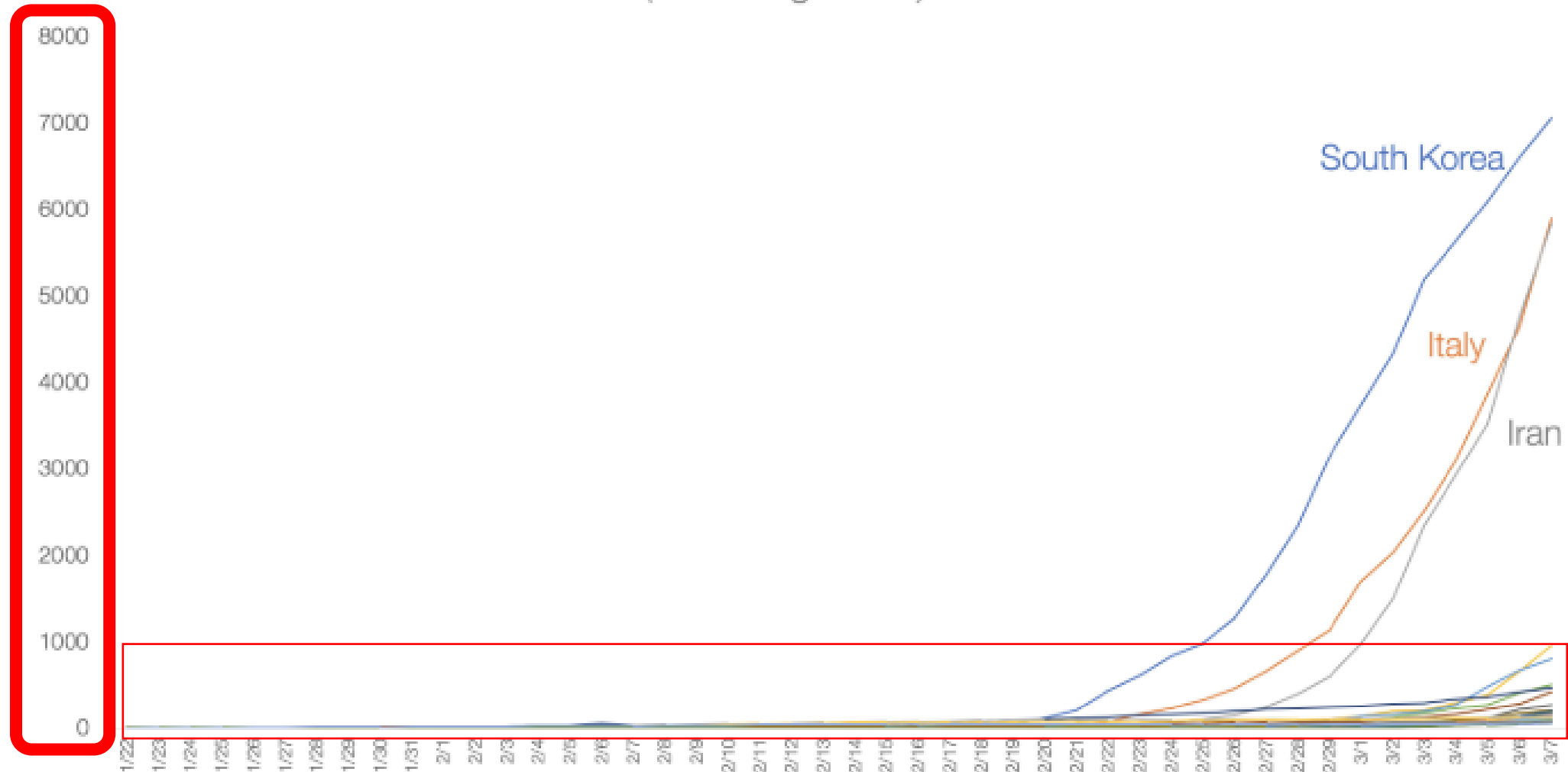
https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_19-covid-Confirmed.csv

Chart 3: Coronavirus Cases per Country
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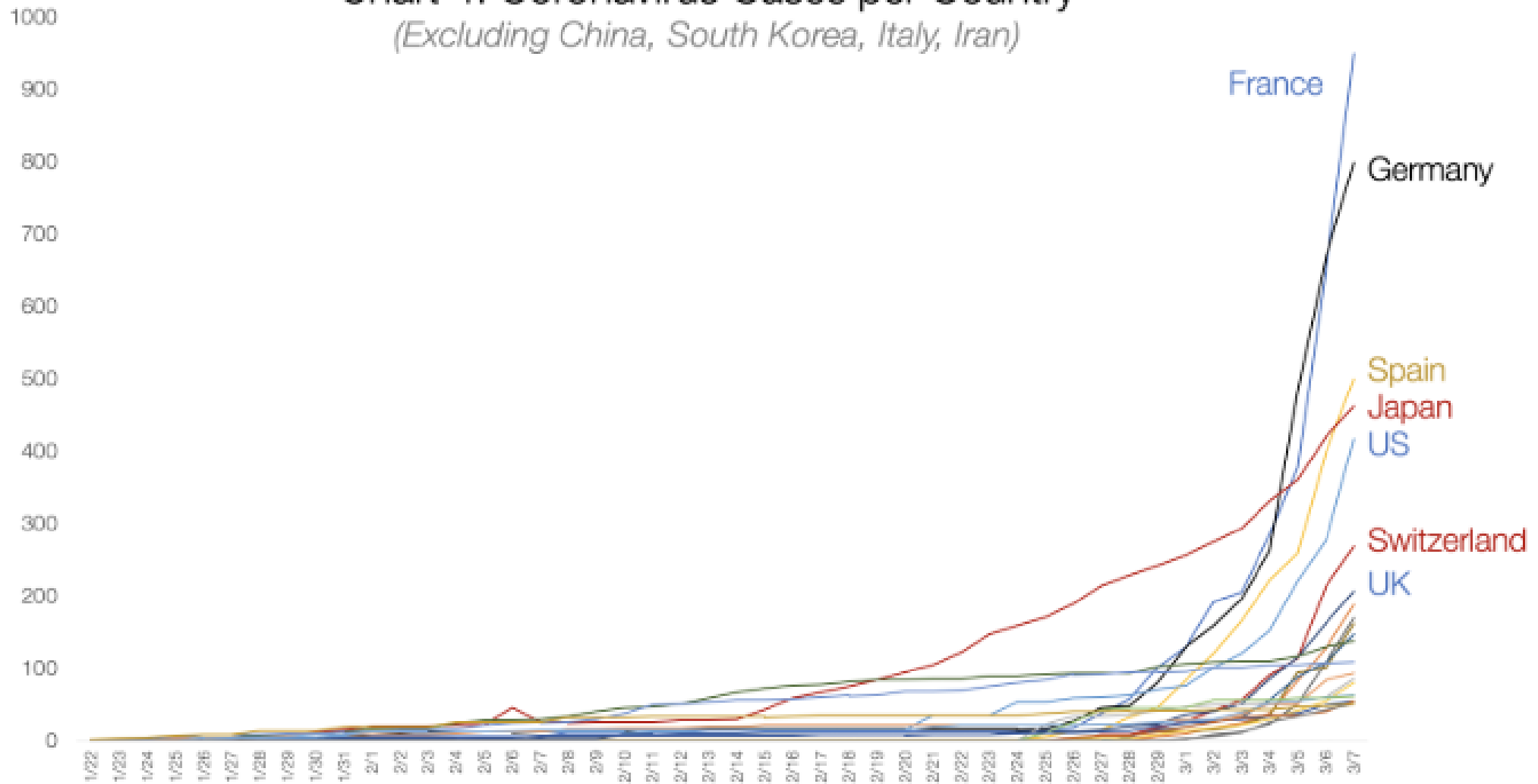
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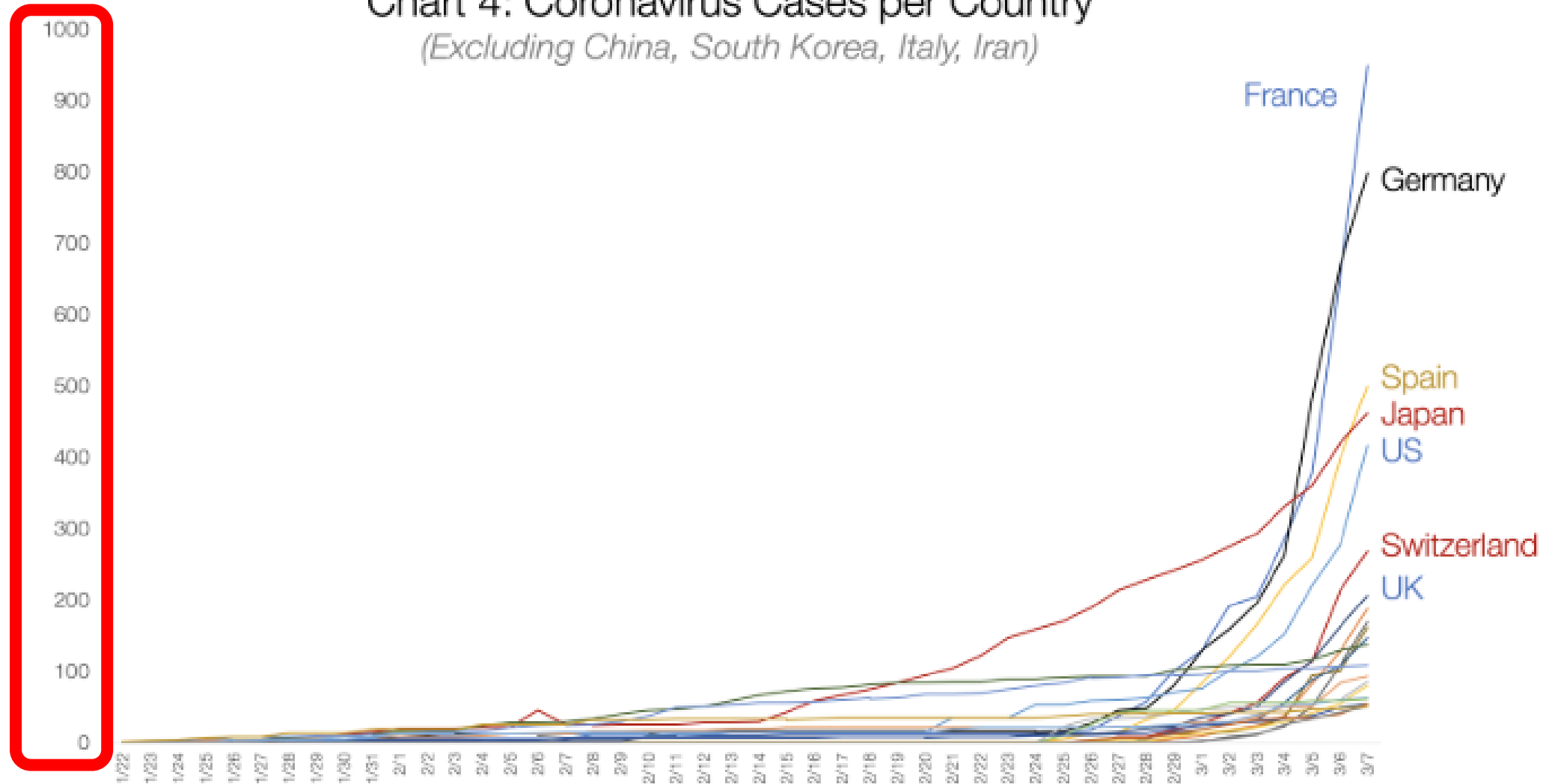
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Chart 4: Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)



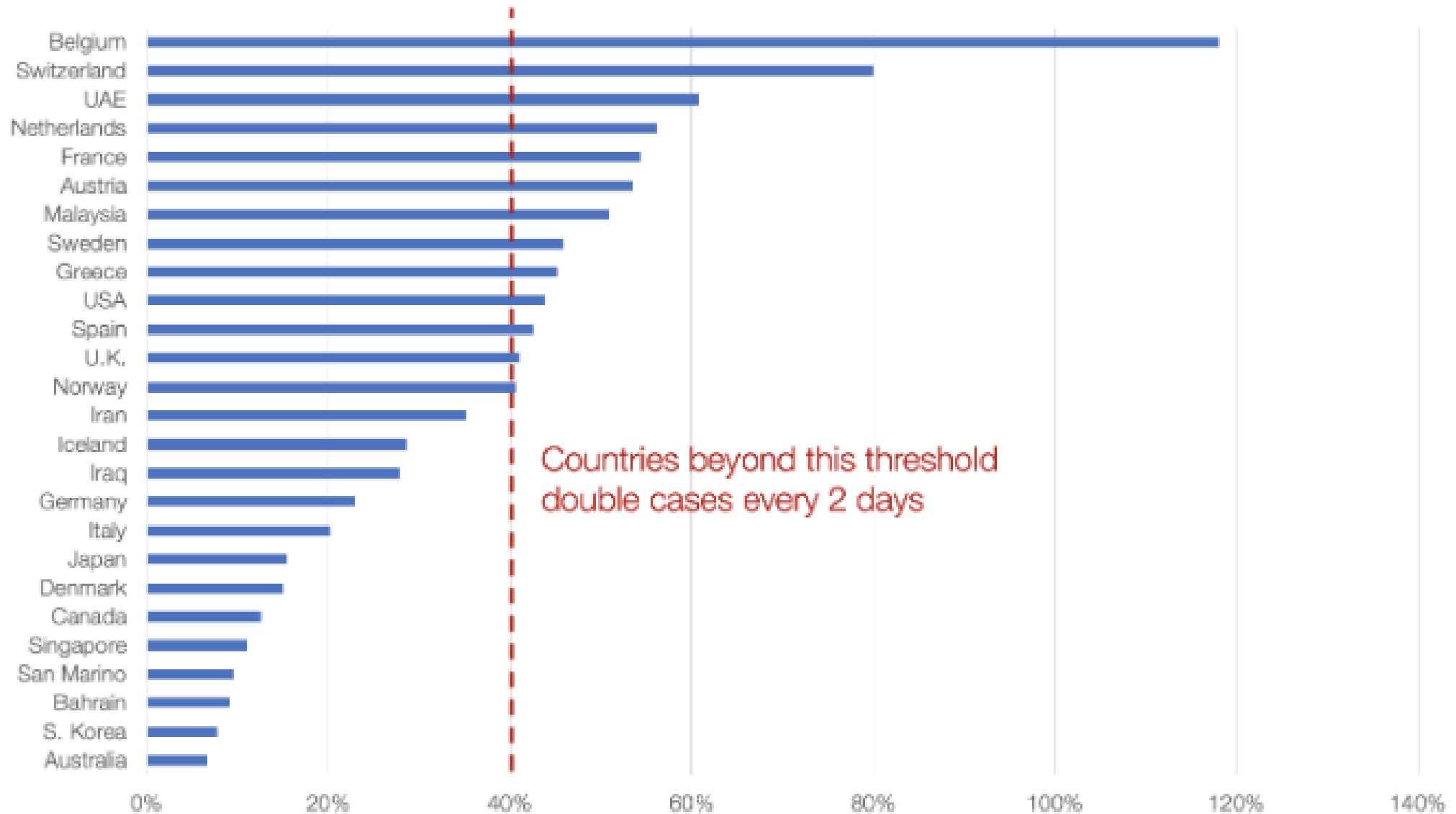
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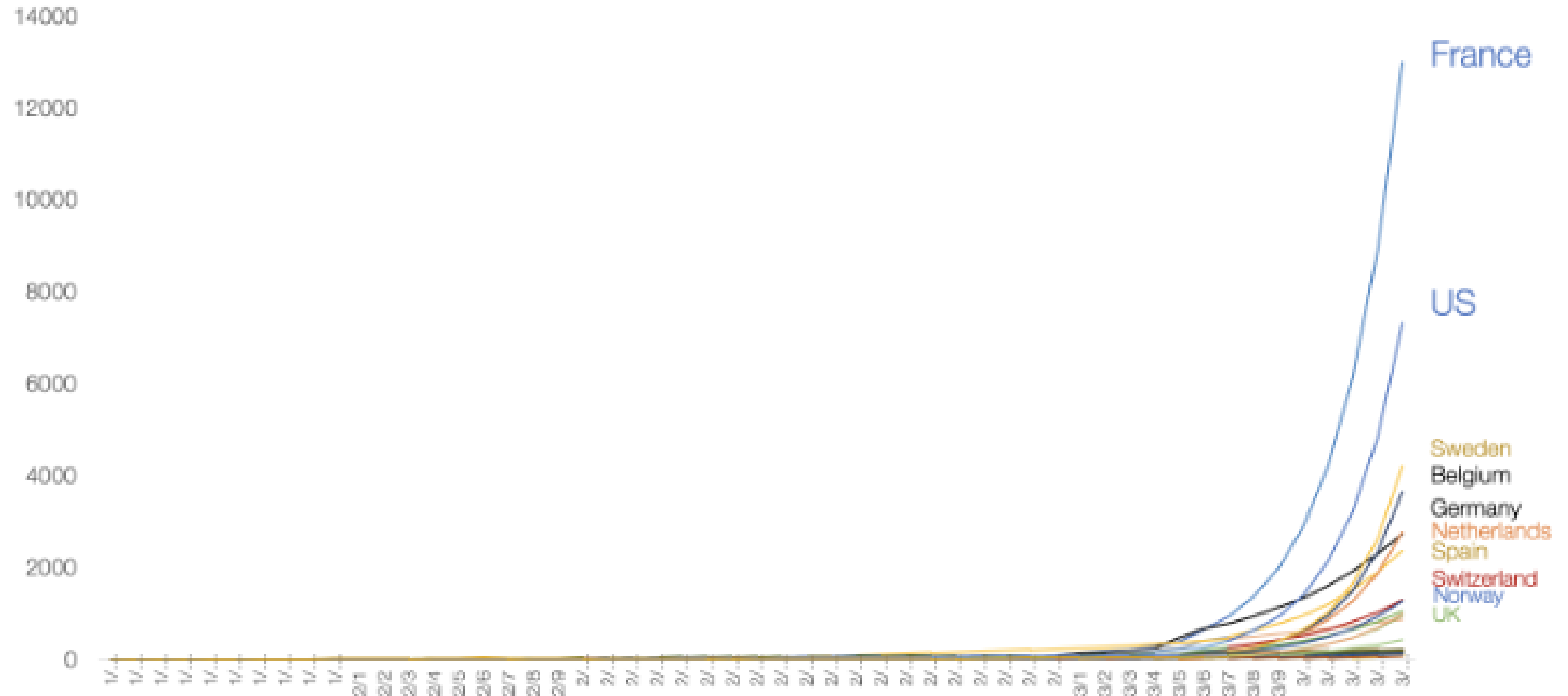
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Chart 5: Daily Growth Rate of Cases between 3/5 and 3/6



Source: Tomas Pueyo analysis from primary data from worldometer
Only includes countries that have >20 cases and >5% growth rate

Chart 6: Forecast of Coronavirus Cases per Country*
(Excluding China, South Korea, Italy, Iran)



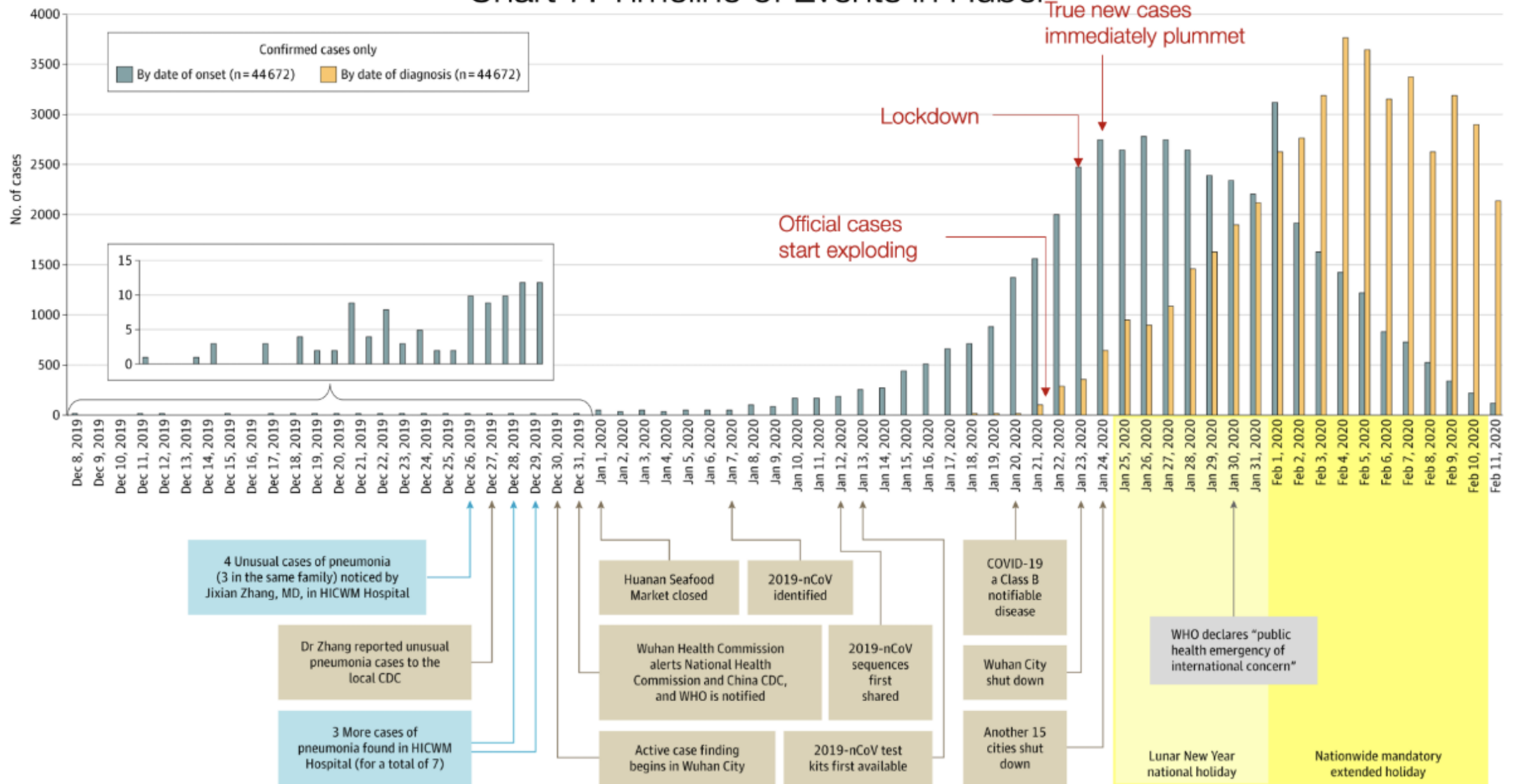
* Based on using the growth rate between 3/6 and 3/7 for 7 more days

Source: Tomas Pueyo analysis from primary data from Github:

https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_19-covid-Confirmed.csv

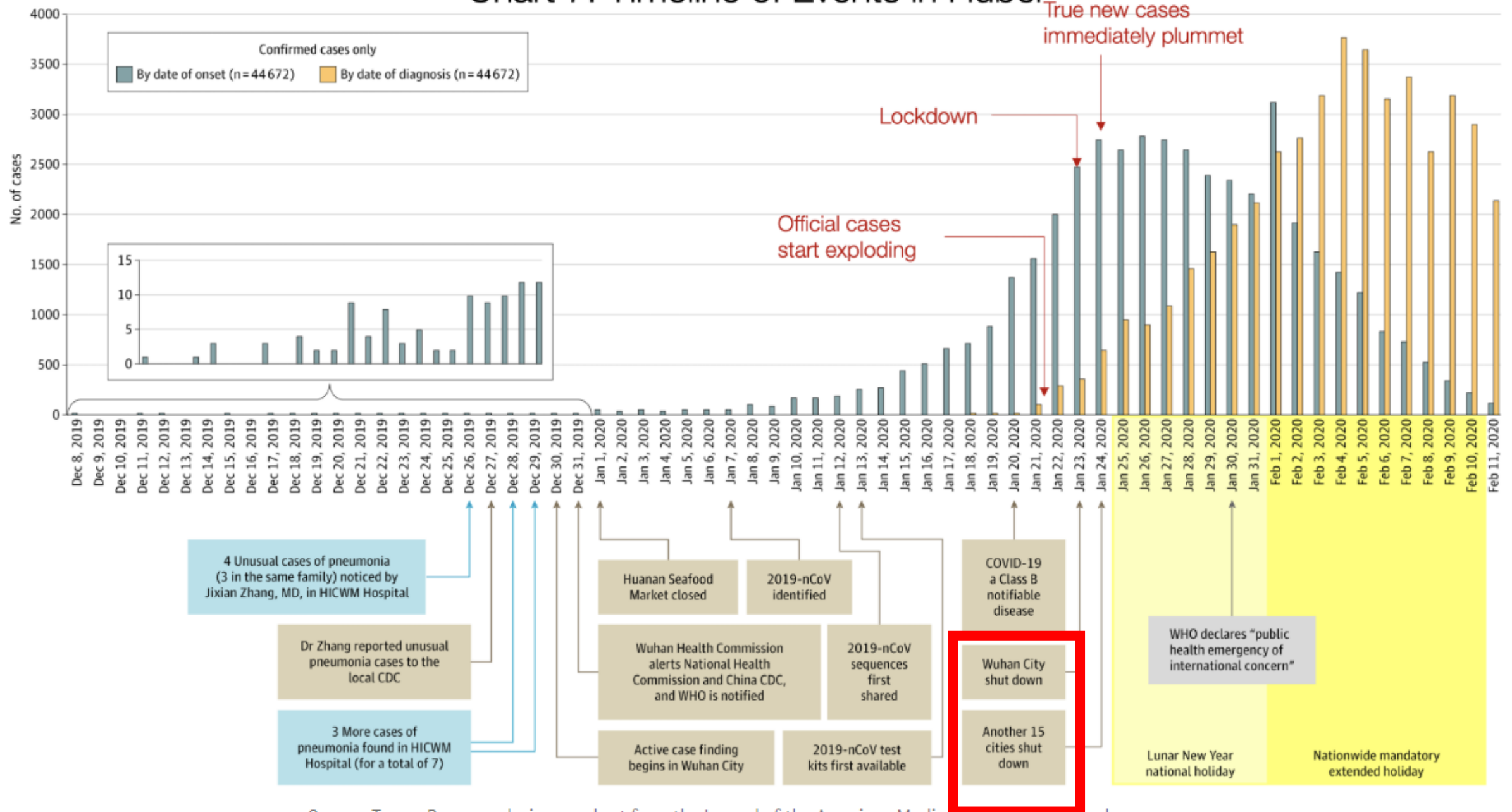
China

Chart 7: Timeline of Events in Hubei



Source: Tomas Pueyo analysis over chart from the [Journal of the American Medical Association](#), based on raw case data from the Chinese Center for Disease Control and Prevention

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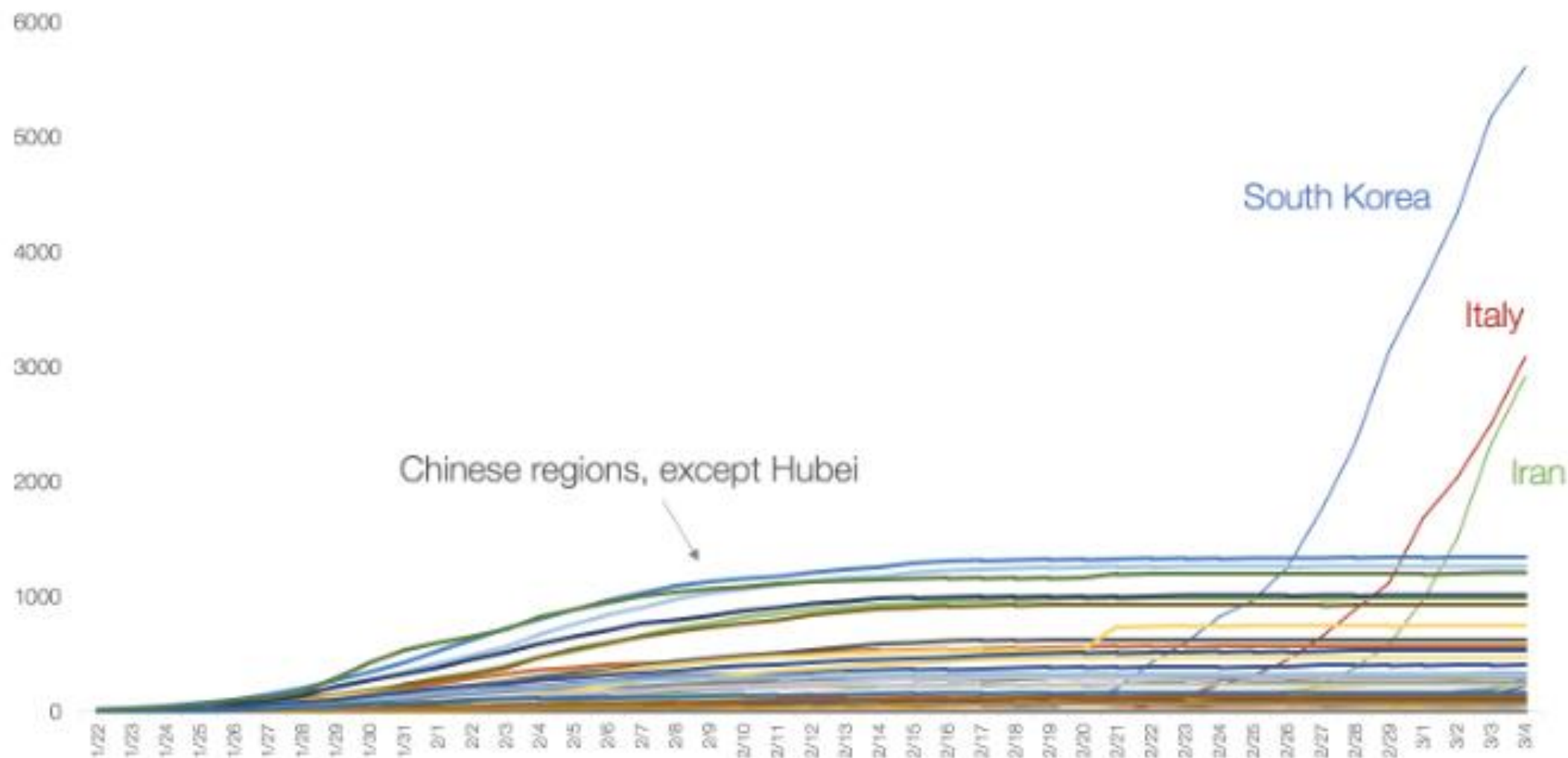


Source: Tomas Pueyo analysis over chart from the [Journal of the American Medical Association](#), based on raw case data from the Chinese Center for Disease Control and Prevention

Meanwhile, South Korea, Italy and Iran had a full month to learn, but didn't. They started the same exponential growth of Hubei and passed every other Chinese region before the end of February.

Chart 8: Coronavirus Cases

Chinese Regions Outside Hubei vs. Italy, Iran and South Korea



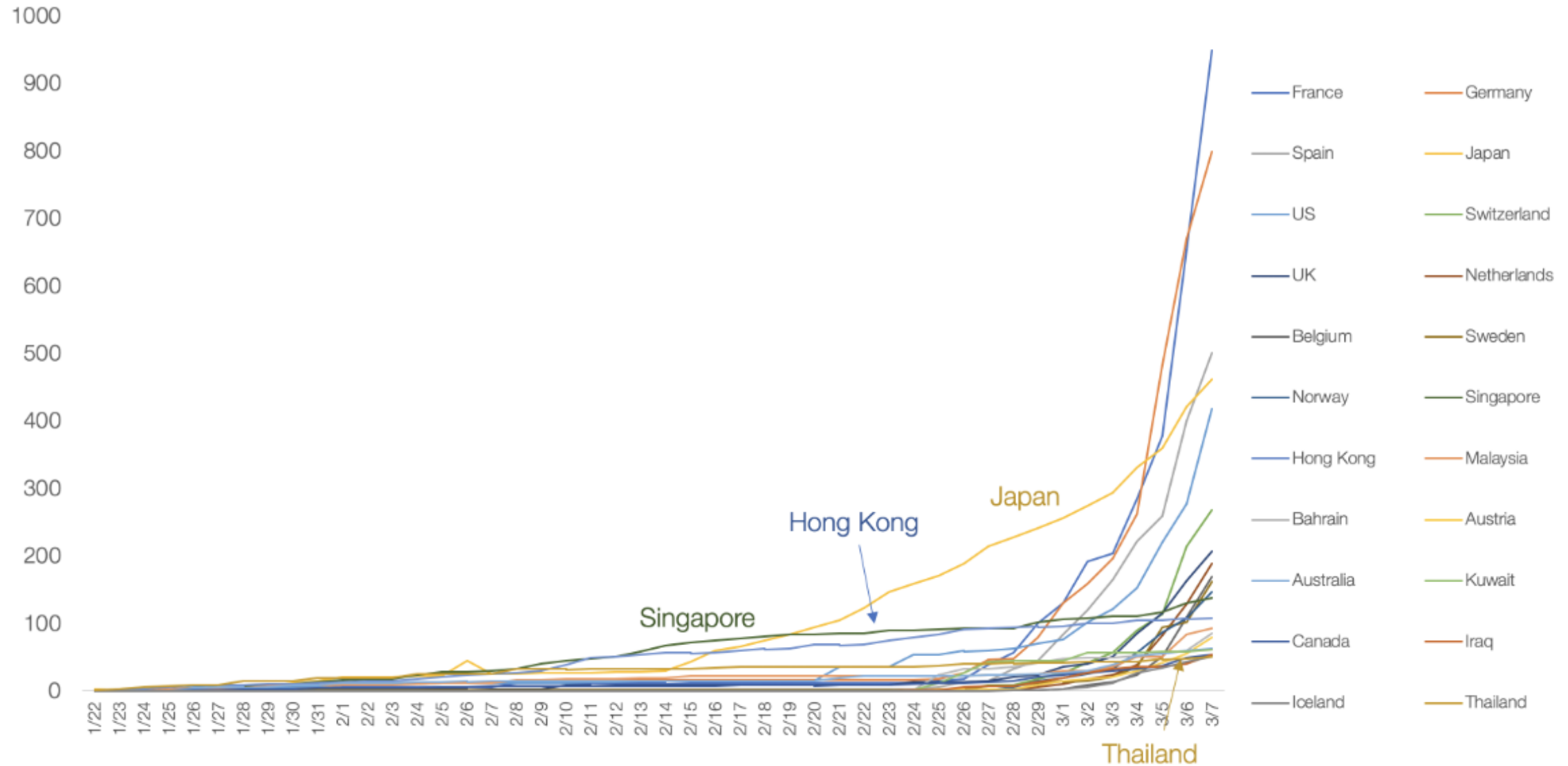
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https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_19-covid-Confirmed.csv

Eastern Countries

Chart 9: Total Cases of Coronavirus Outside of China

(Countries with >50 cases as of 3/7/2020)



Source: Tomas Pueyo analysis from primary data from Github:

https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_19-covid-Confirmed.csv

Taiwan didn't even make it to this graph because it didn't have the 50 cases threshold that I used.

Washington State

San Francisco Bay Area

Country	Tests Performed	Tests Per Million Citizens	Positive Test Rate
South Korea	109,591	2,138	4.4%
Italy	23,345	386	8.7%
Austria	2,120	235	0.8%
Switzerland	1,850	214	1.6%
UK	13,525	199	0.3%
Finland	130	23	5.4%
Turkey	940	11	0.0%
United States	472	1	21.8%

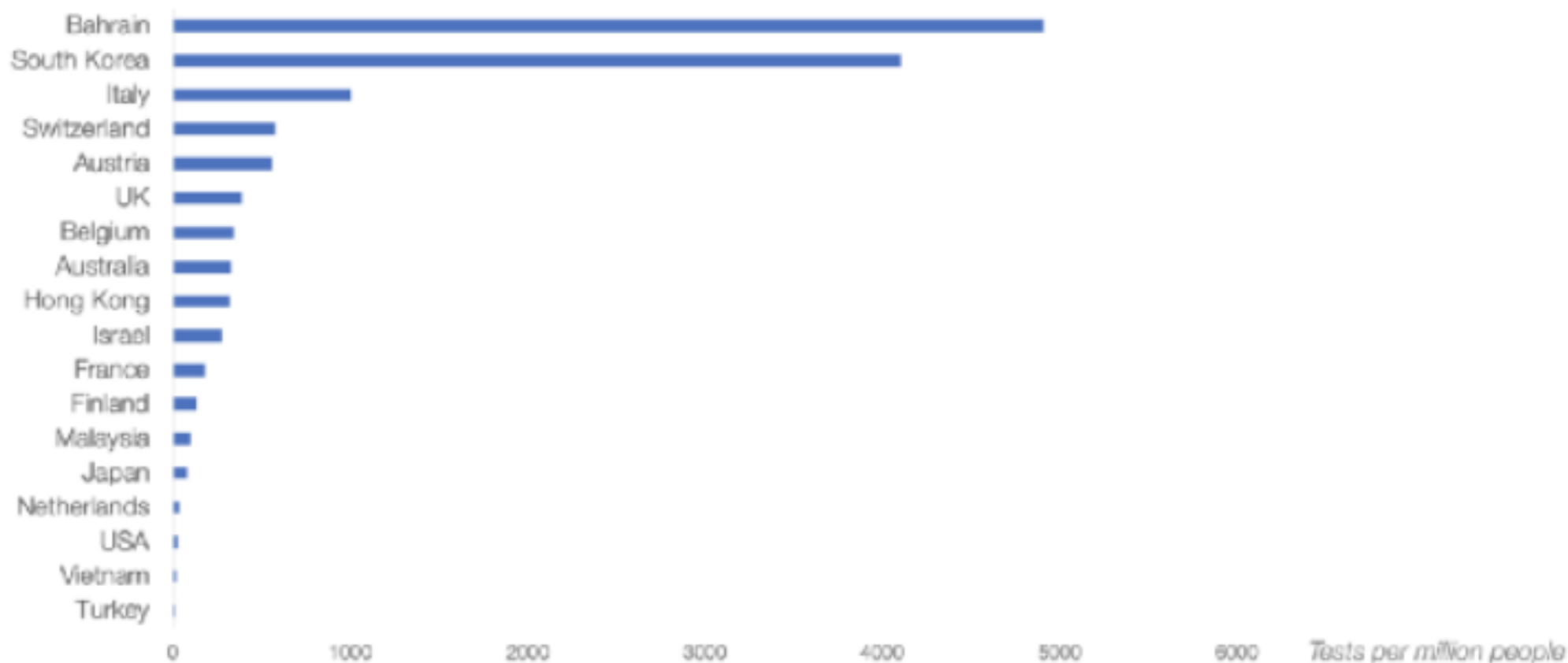
Source:

Tomas Pueyo analysis with data from Worldometer

<https://www.worldometers.info/coronavirus/covid-19-testing/>

[Sources for each number here](#)

Chart 10.b: Coronavirus Tests Performed per Million People for Different Countries
(as of March 9th)



Source: Tomas Puryo analysis from data aggregated by Worldometers: <https://www.worldometers.info/coronavirus/covid-19-testing/>
Per country sources available at Worldometers or at:
<https://docs.google.com/spreadsheets/d/17fyGmjb2Z2QwMfPRwAb7WDvQoEAIL5CoG4R9f03d5Ww/edit#gid=508478959>

Francia, España y Madrid.