A pandemia acabou?

ATUALIZAÇÃO ANDIFES

17 de março 2022

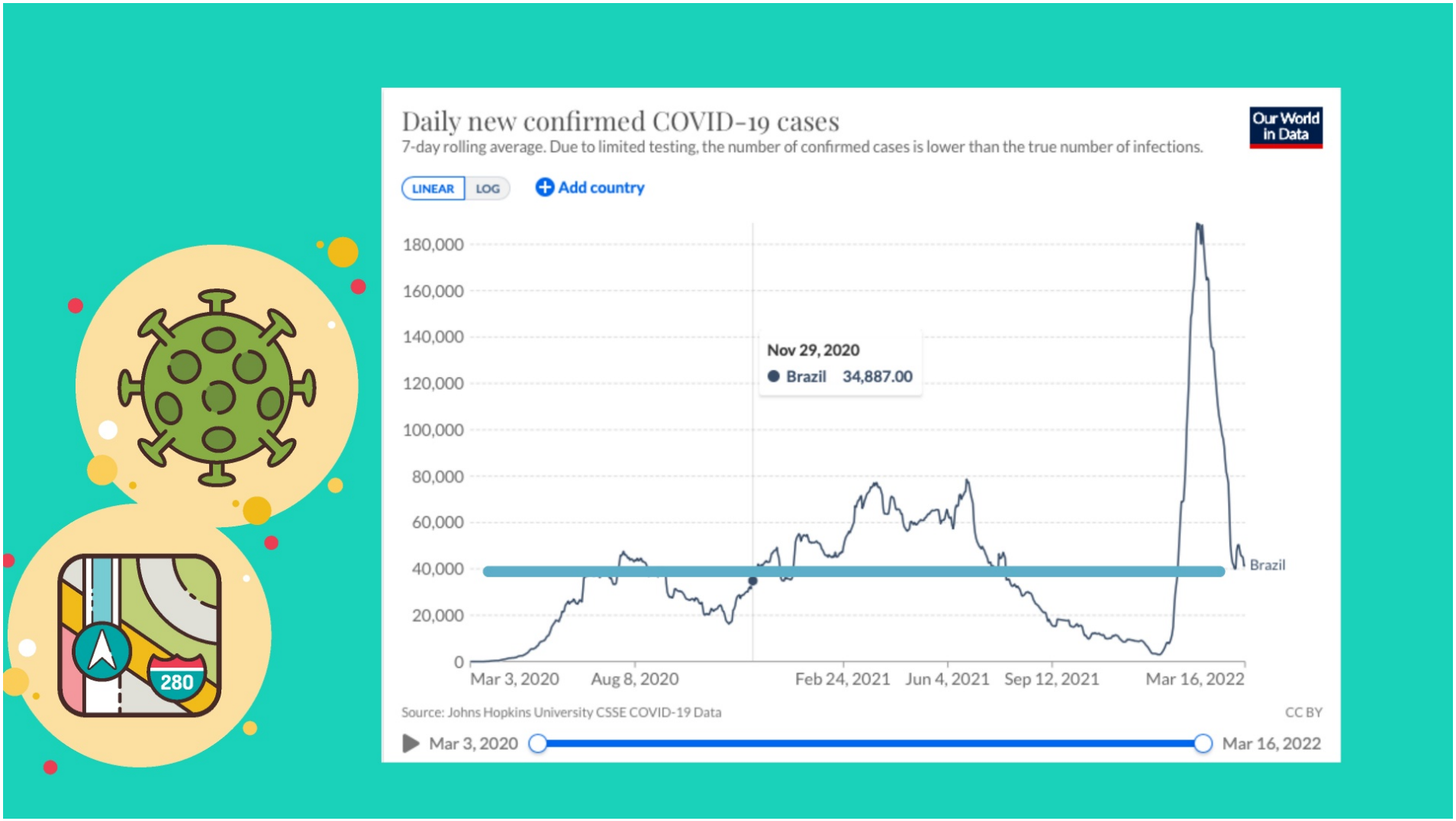
Linha do tempo

Transmissão respiratória

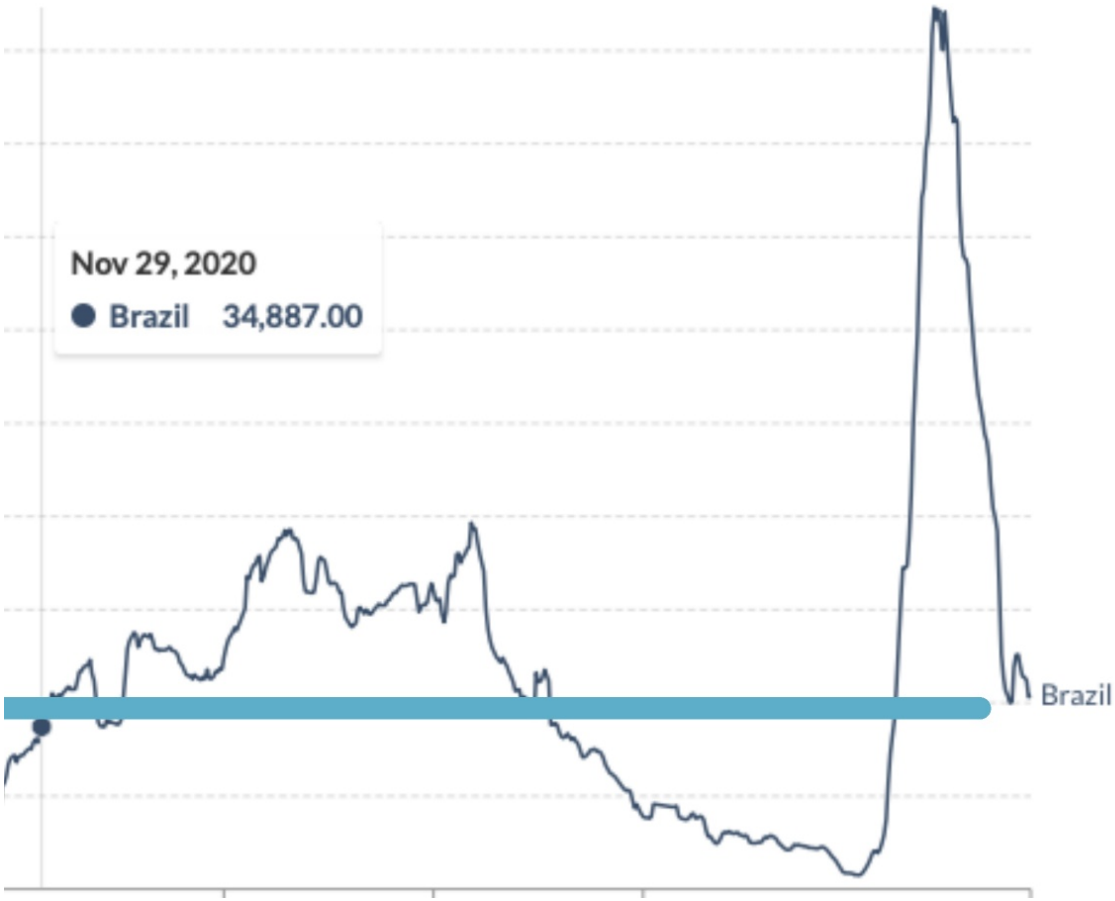
Futuro

Lucia Pellanda

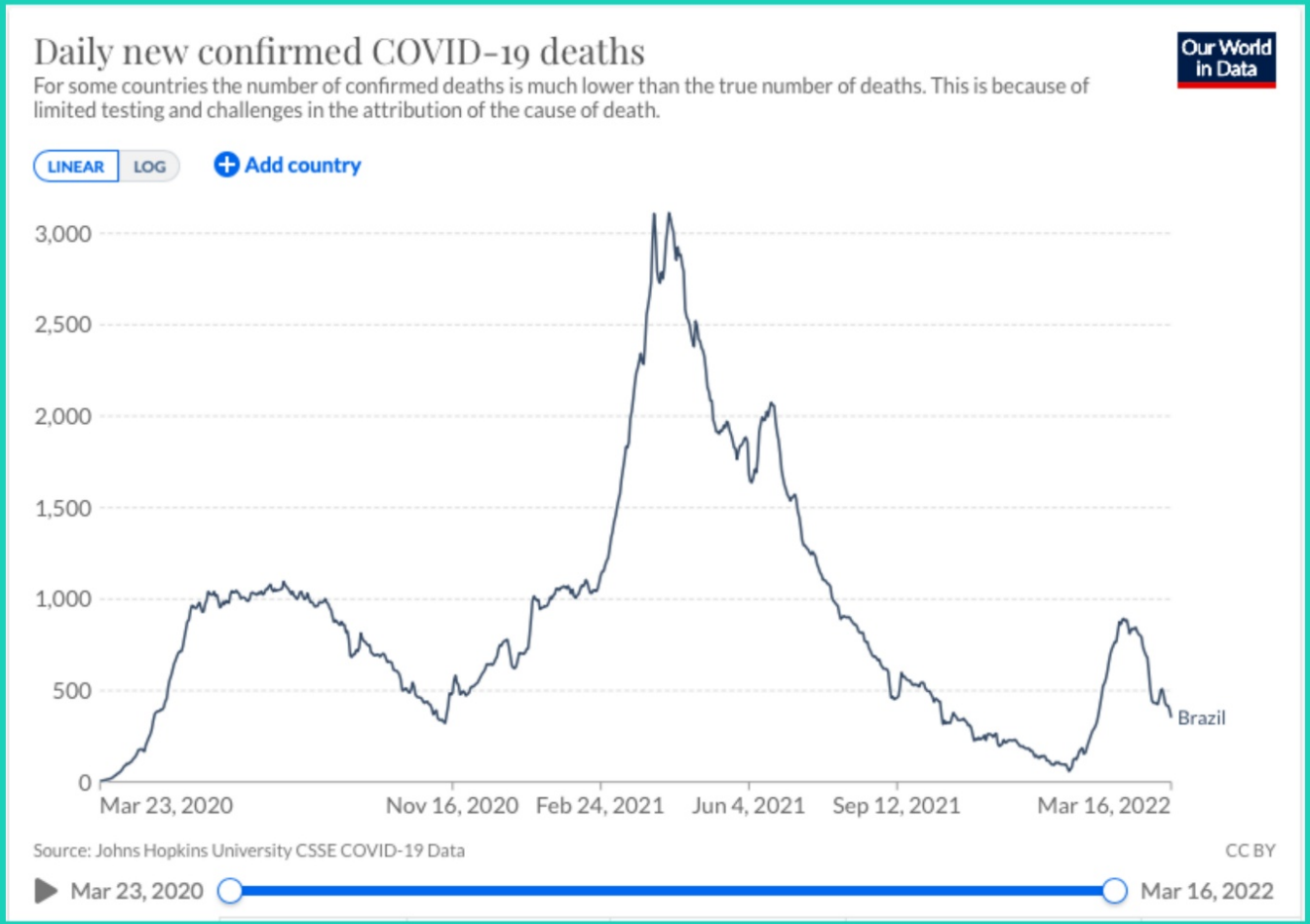
UFCSPA
Universidade Federal de Ciências da Saúde de Porto Alegre

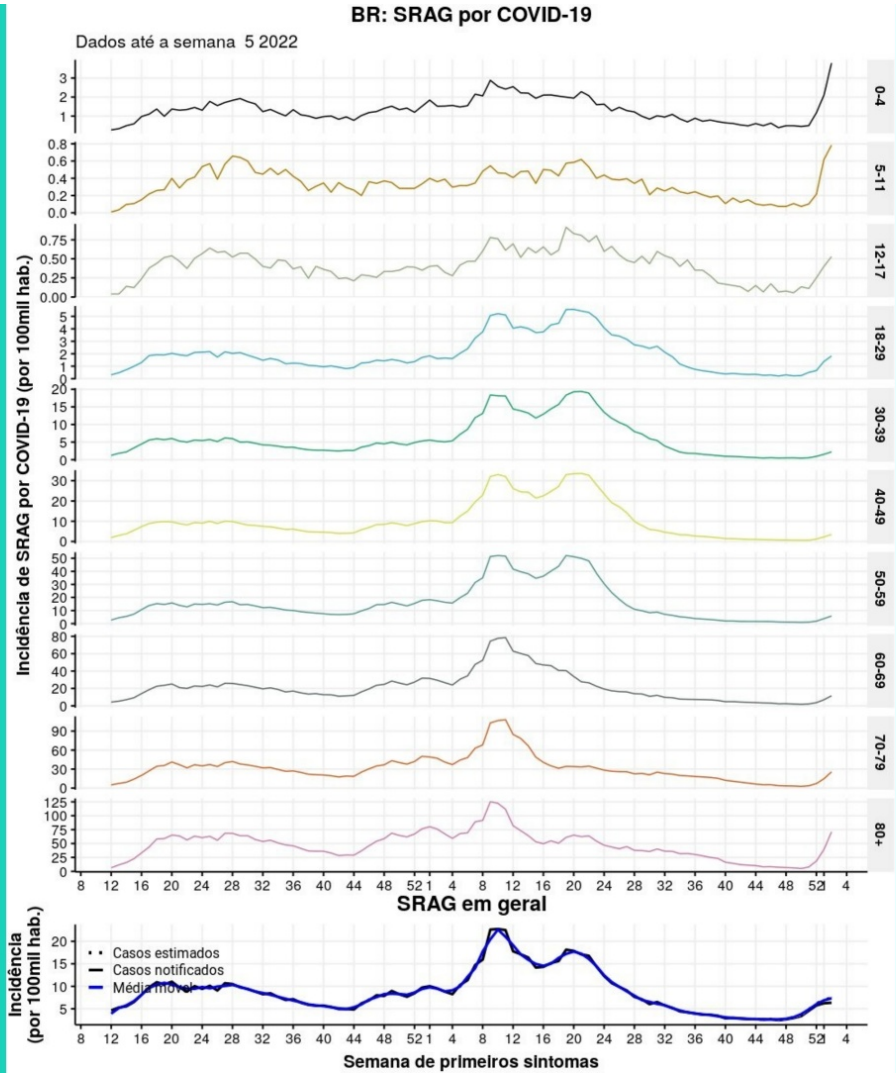

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Nov 29, 2020
Brazil 34,887.00
Brazil
Mar 3, 2020
Aug 8, 2020
Feb 24, 2021
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 3, 2020
Mar 16, 2022
280

umber of confirmed cases is lower than the true number of infections.



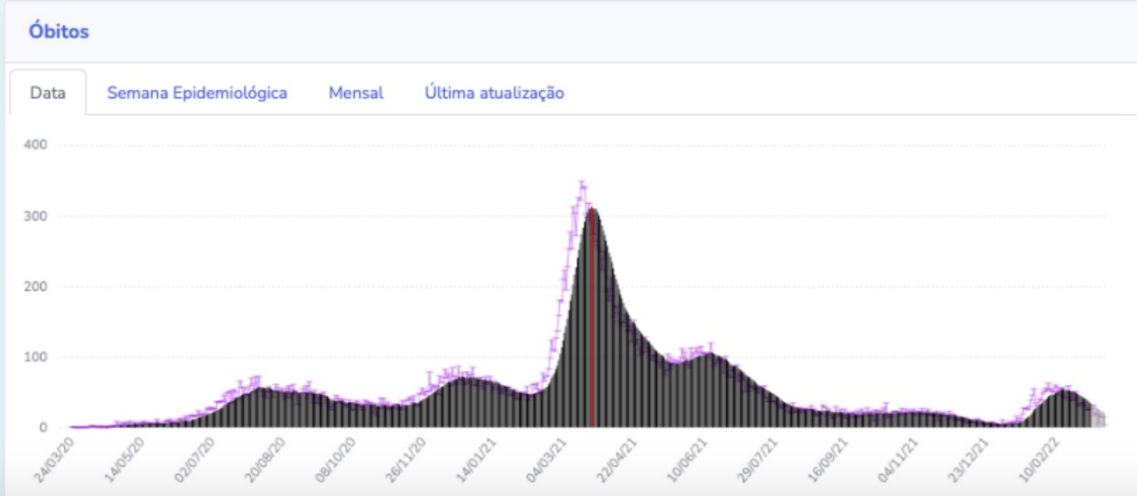
Óbitos


Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
3,000
2,500
2,000
1,500
1,000
500
0
Brazil
Mar 23, 2020
Nov 16, 2020
Feb 24, 2021
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 23, 2020
Mar 16, 2022

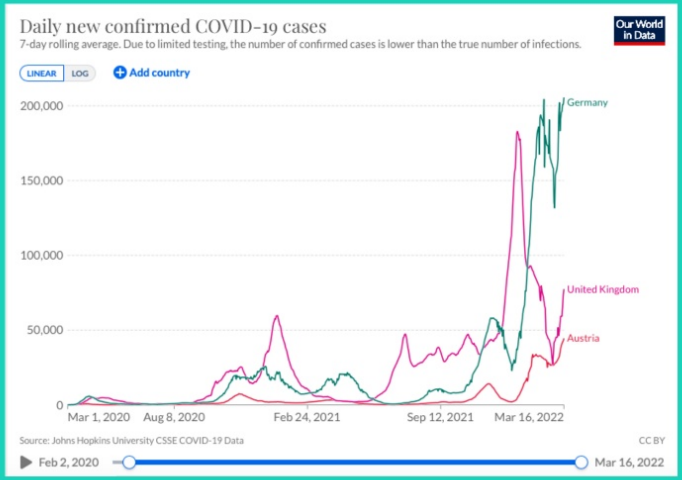

BR: SRAG por COVID-19
Dados até a semana 5 2022
Incidência de SRAG por COVID-19 (por 100mil hab.)
0-4
5-11
12-17
18-29
30-39
40-49
50-59
60-69
70-79
80+
SRAG em geral
Incidência (por 100mil hab.)
Casos estimados
Casos notificados
Média móvel
Semana de primeiros sintomas

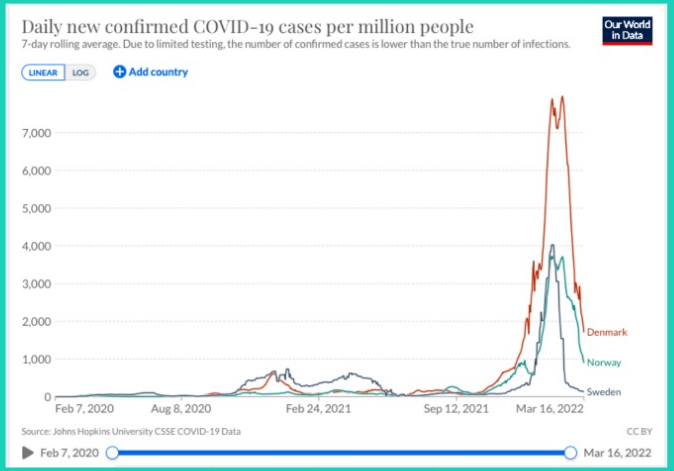
RS

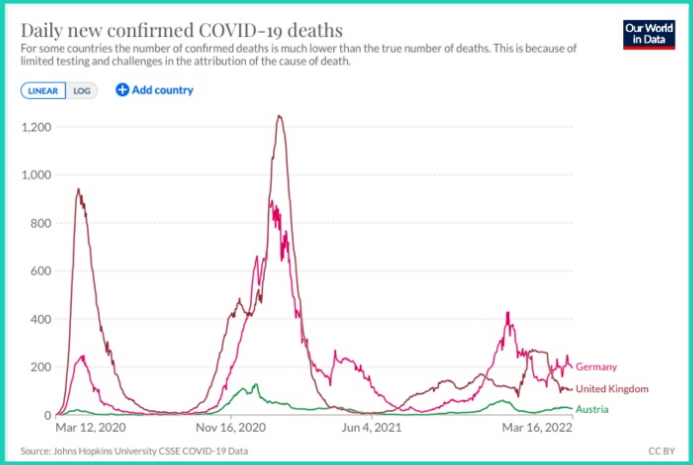
Casos confirmados por data de início dos sintomas
Data
Semana Epidemiológica
Mensal
Última atualização
30000
25000
20000
15000
10000
5000
0
25/02/20
16/04/20
06/06/20
27/07/20
16/09/20
06/11/20
27/12/20
16/02/21
08/04/21
29/05/21
19/07/21
08/09/21
29/10/21
19/12/21
08/02/22
Confirmados por data de início de sintomas
Média móvel (14 dias)
Maior média móvel
Período em atualização

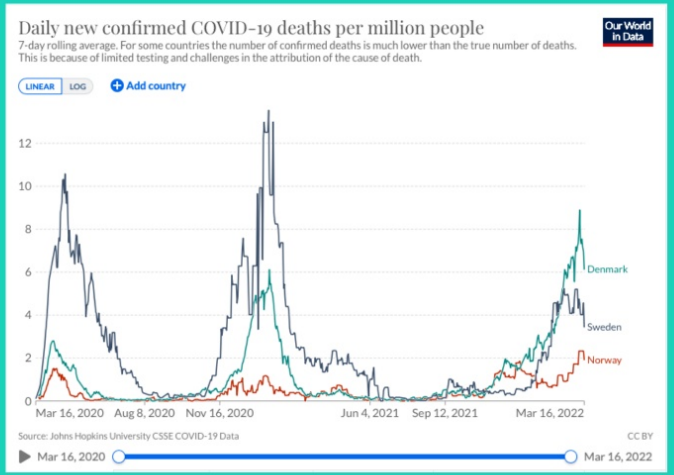

Óbitos
Data
Semana Epidemiológica
Mensal
Última atualização
400
300
200
100
0
24/03/20
14/05/20
02/07/20
20/08/20
08/10/20
26/11/20
14/01/21
04/03/21
22/04/21
10/06/21
29/07/21
16/09/21
04/11/21
23/12/21
10/02/22

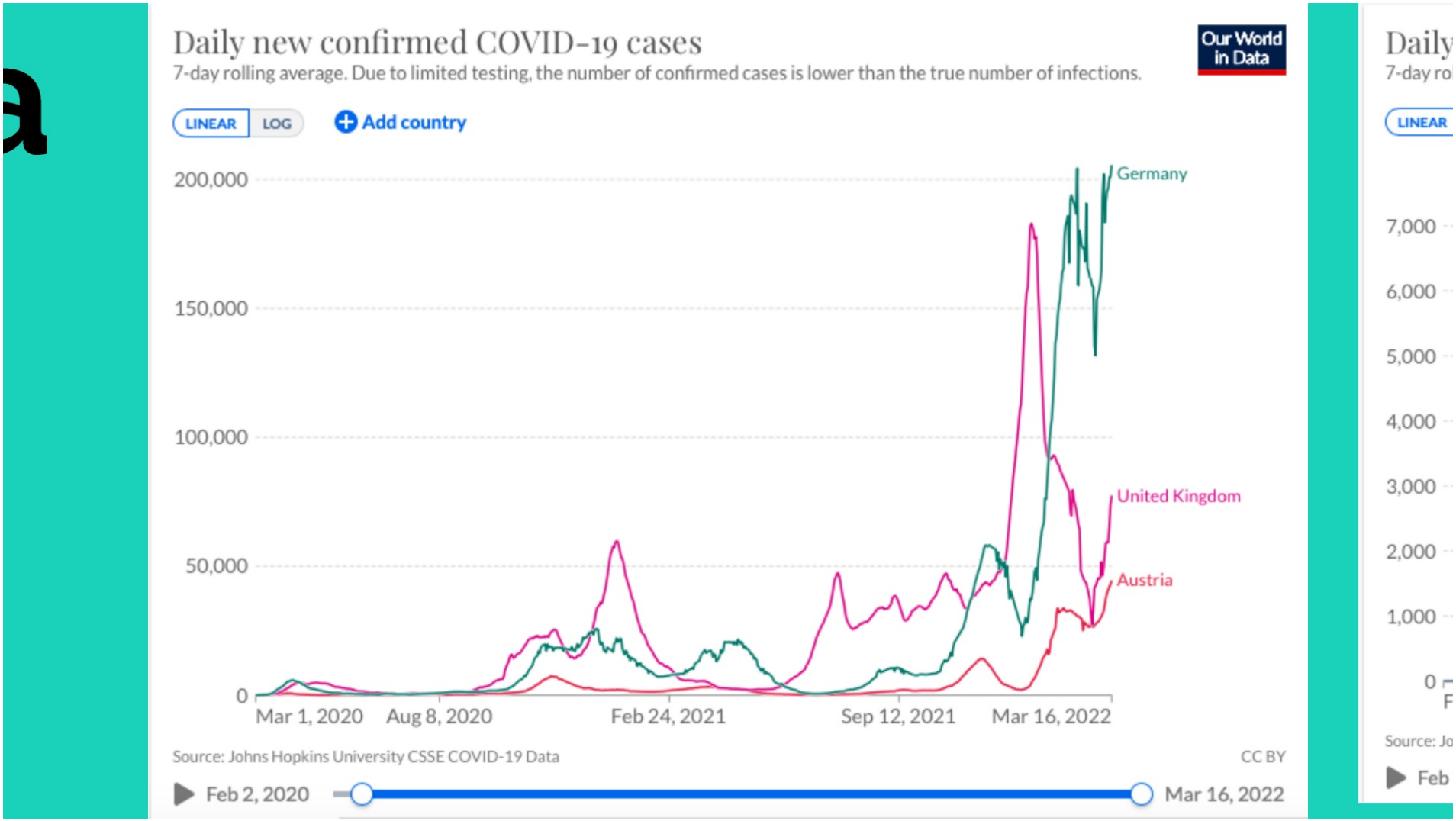
Europa

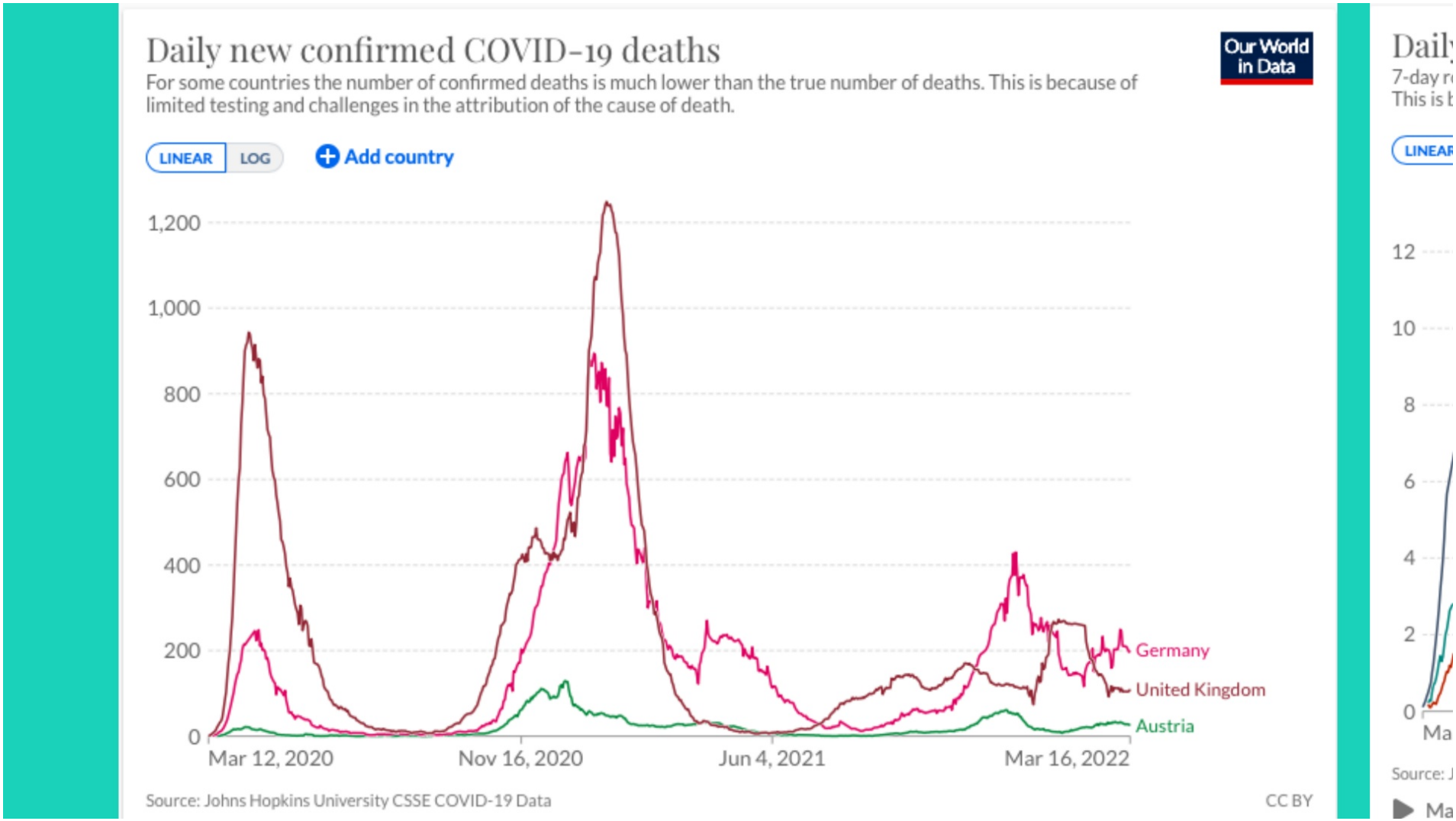

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
200,000
150,000
100,000
50,000
0
Germany
United Kingdom
Austria
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 2, 2020
Mar 16, 2022

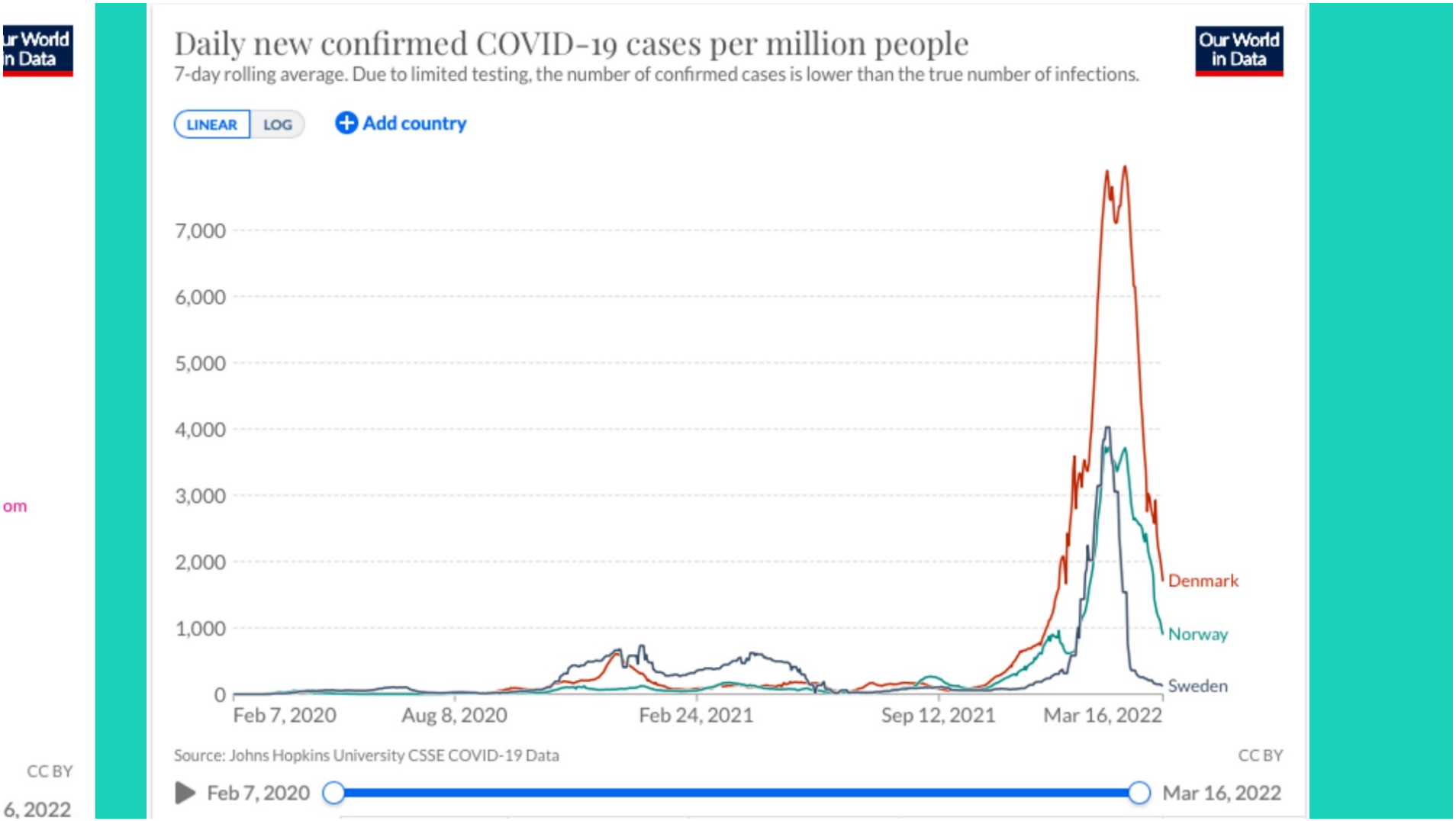

Daily new confirmed COVID-19 cases per million people
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Denmark
Norway
Sweden
Feb 7, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 7, 2020
Mar 16, 2022

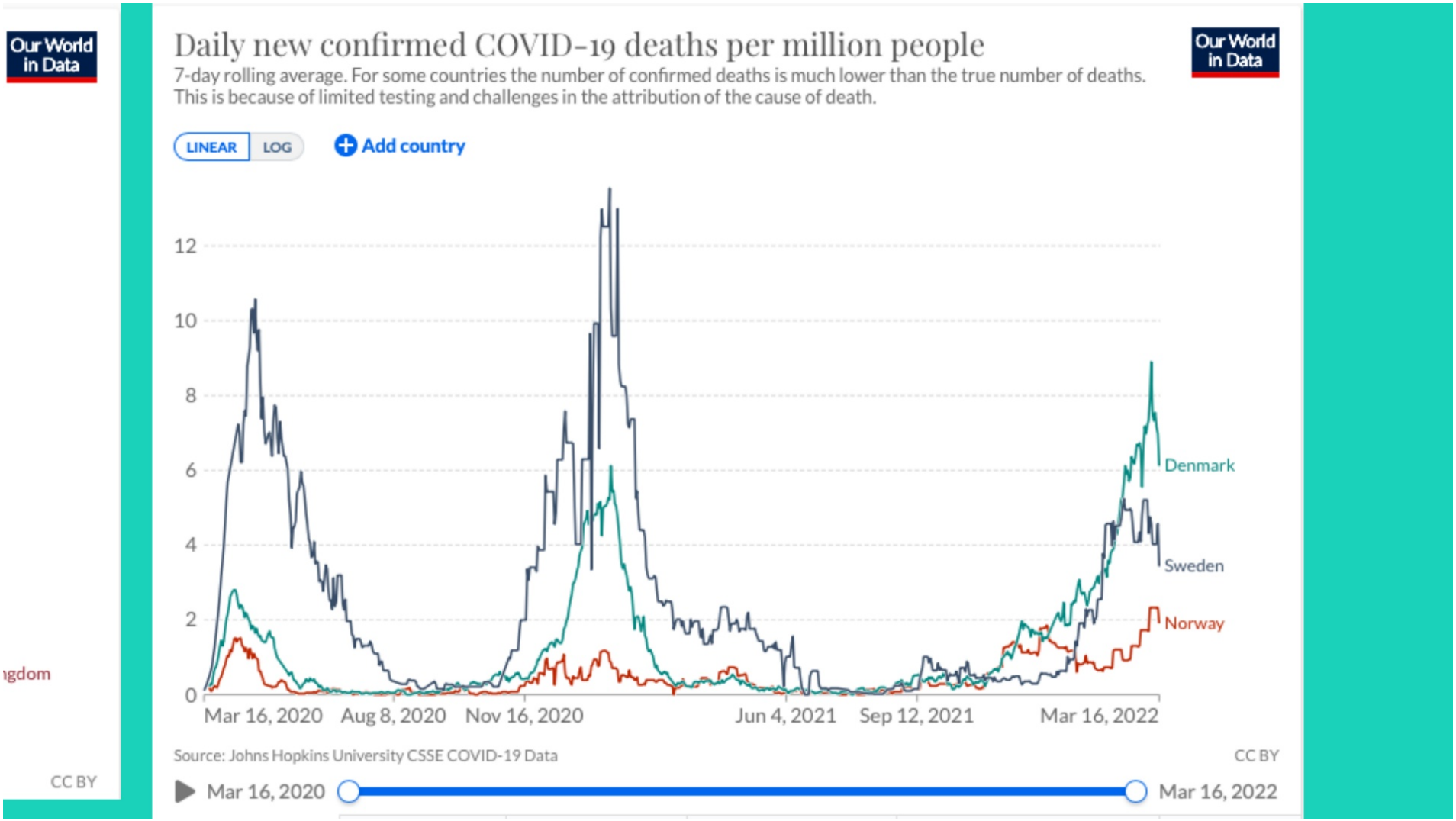

Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
1,200
1,000
800
600
400
200
0
Germany
United Kingdom
Austria
Mar 12, 2020
Nov 16, 2020
Jun 4, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY


Daily new confirmed COVID-19 deaths per million people
7-day rolling average. For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
12
10
8
6
4
2
0
Denmark
Sweden
Norway
Mar 16, 2020
Aug 8, 2020
Nov 16, 2020
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 16, 2020
Mar 16, 2022

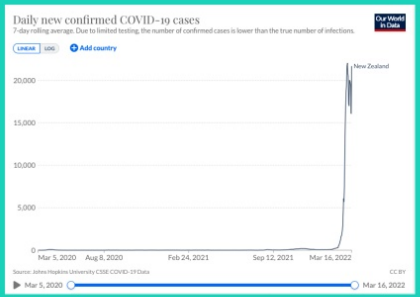

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
200,000
150,000
100,000
50,000
0
Germany
United Kingdom
Austria
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 2, 2020
Mar 16, 2022

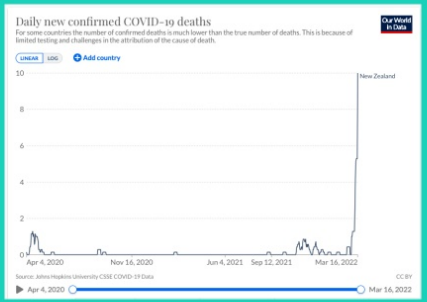

Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
1,200
1,000
800
600
400
200
0
Mar 12, 2020
Nov 16, 2020
Jun 4, 2021
Mar 16, 2022
Germany
United Kingdom
Austria
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY

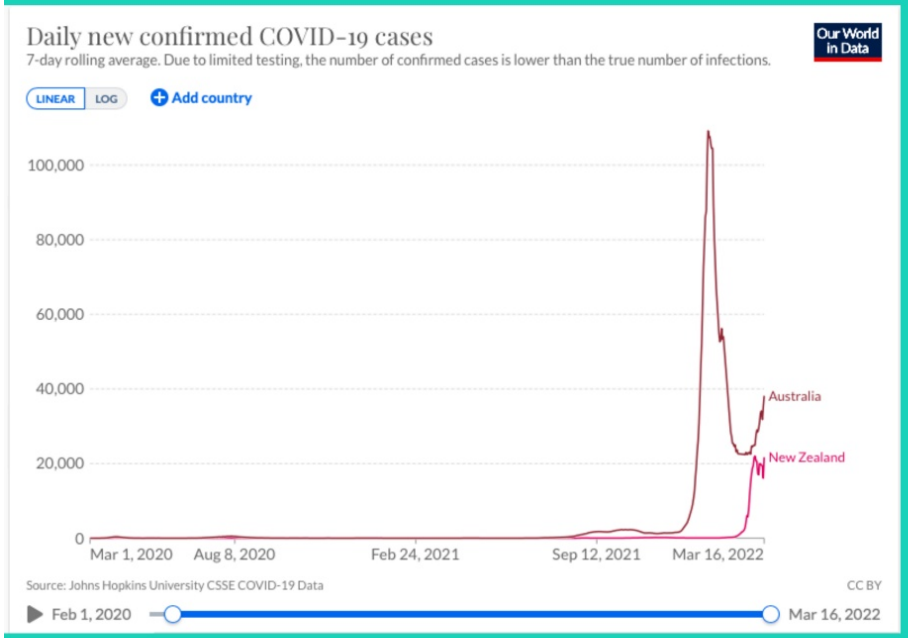

Daily new confirmed COVID-19 cases per million people
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Feb 7, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Denmark
Norway
Sweden
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 7, 2020
Mar 16, 2022

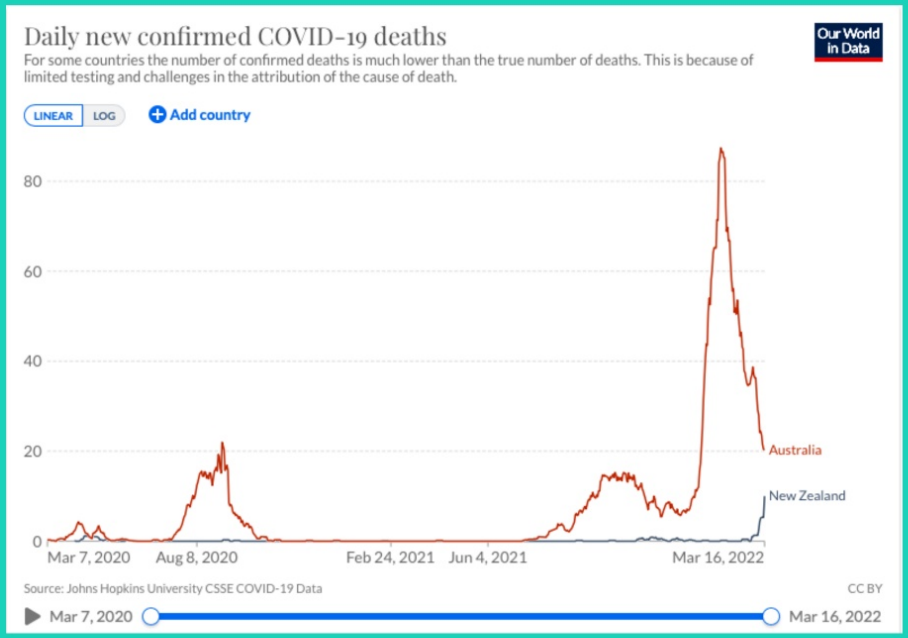

Our World in Data
Daily new confirmed COVID-19 deaths per million people
7-day rolling average. For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
12
10
8
6
4
2
0
Mar 16, 2020
Aug 8, 2020
Nov 16, 2020
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Denmark
Sweden
Norway
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 16, 2020
Mar 16, 2022
CC BY

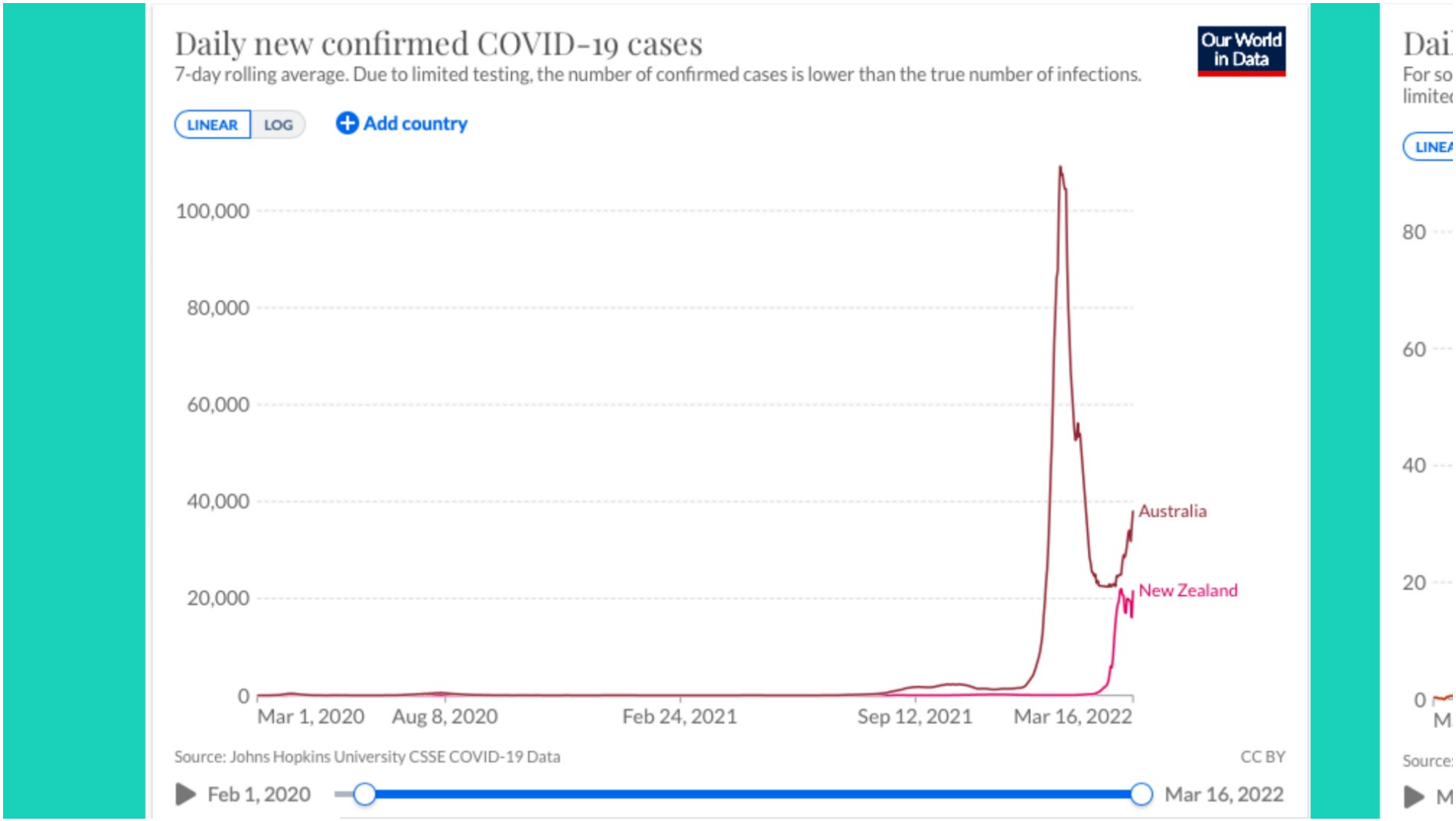
Oceania

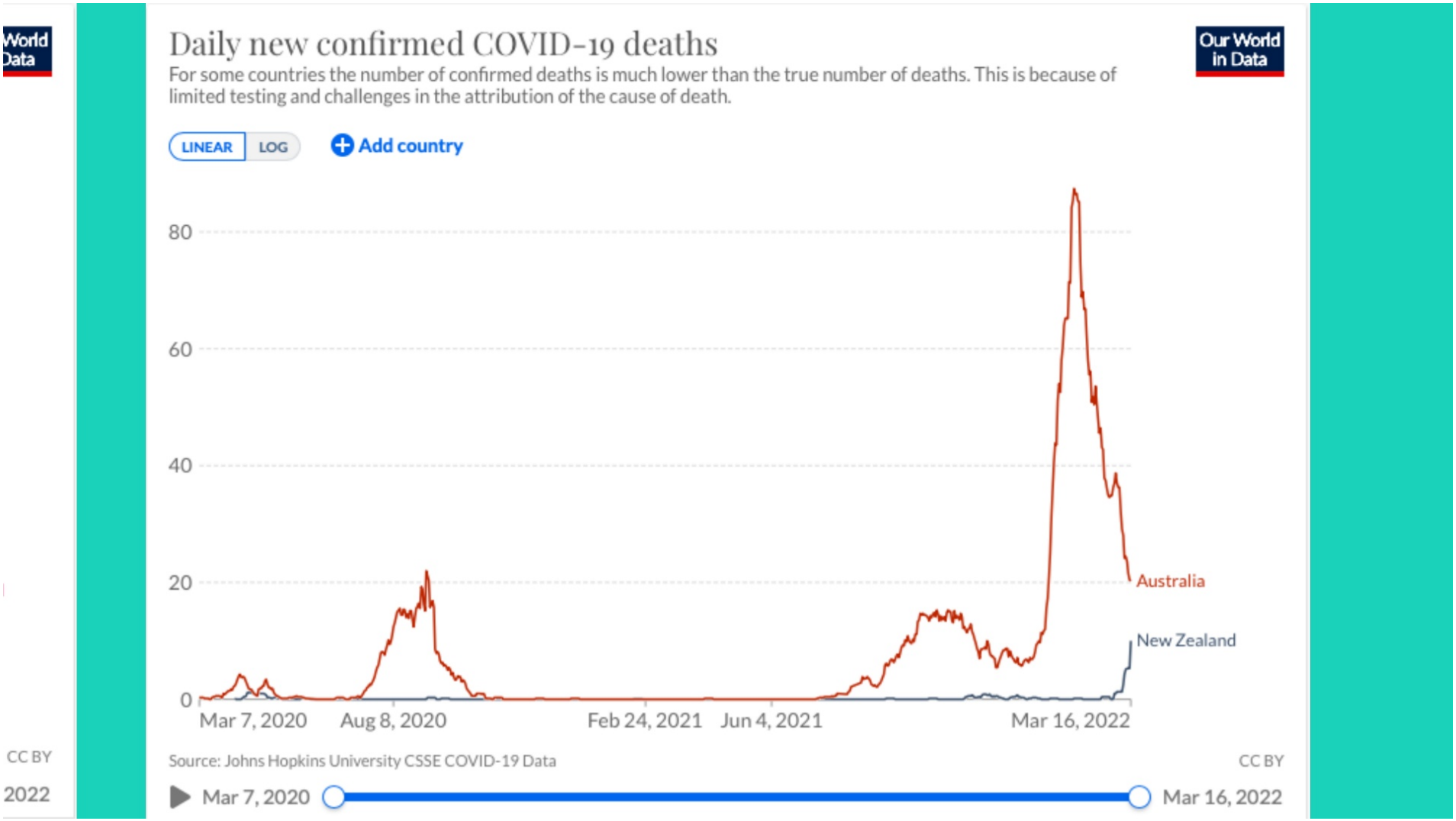

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
New Zealand
20,000
15,000
10,000
5,000
0
Mar 5, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 5, 2020
Mar 16, 2022

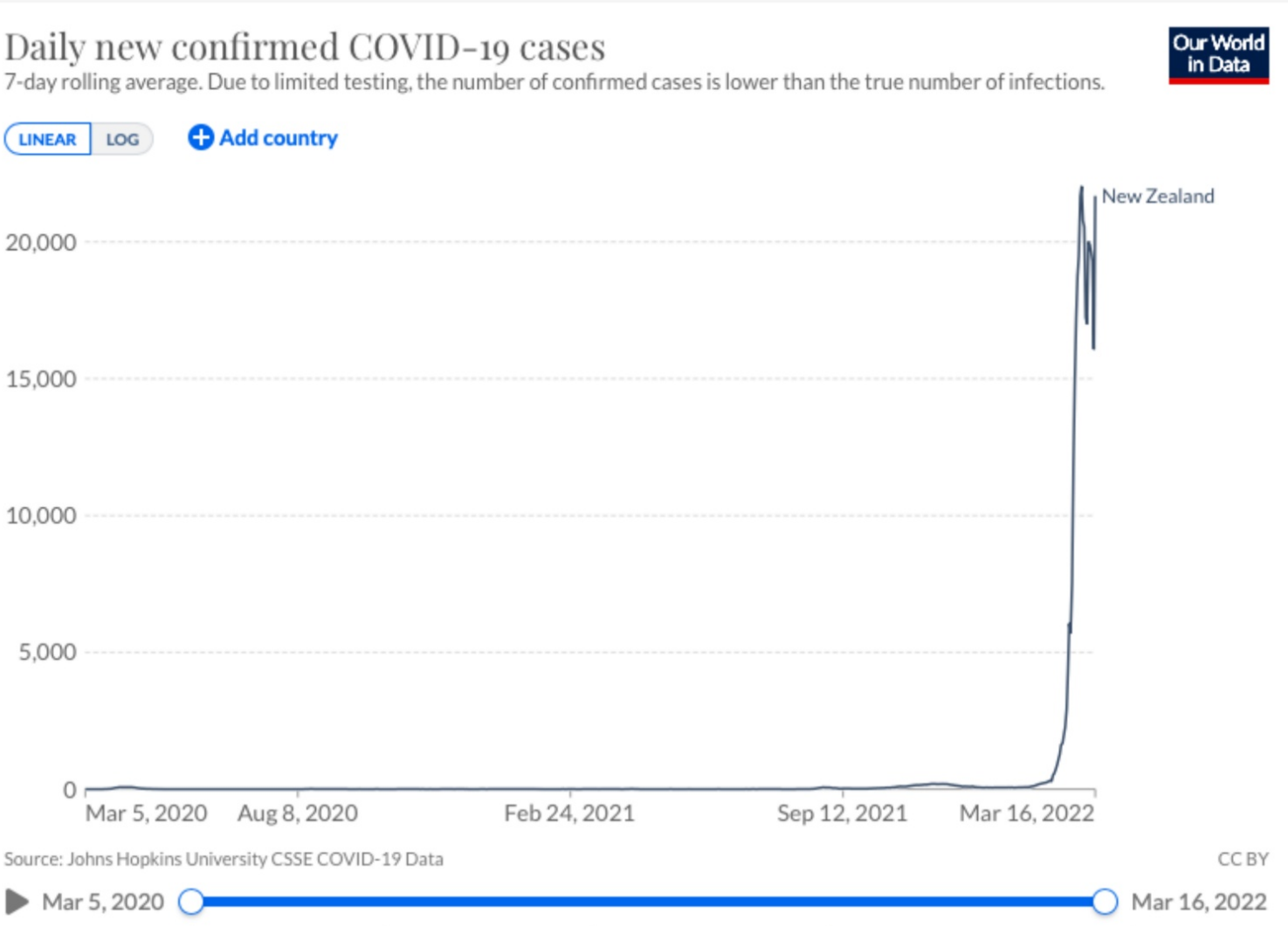

Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
New Zealand
10
8
6
4
2
0
Apr 4, 2020
Nov 16, 2020
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Apr 4, 2020
Mar 16, 2022

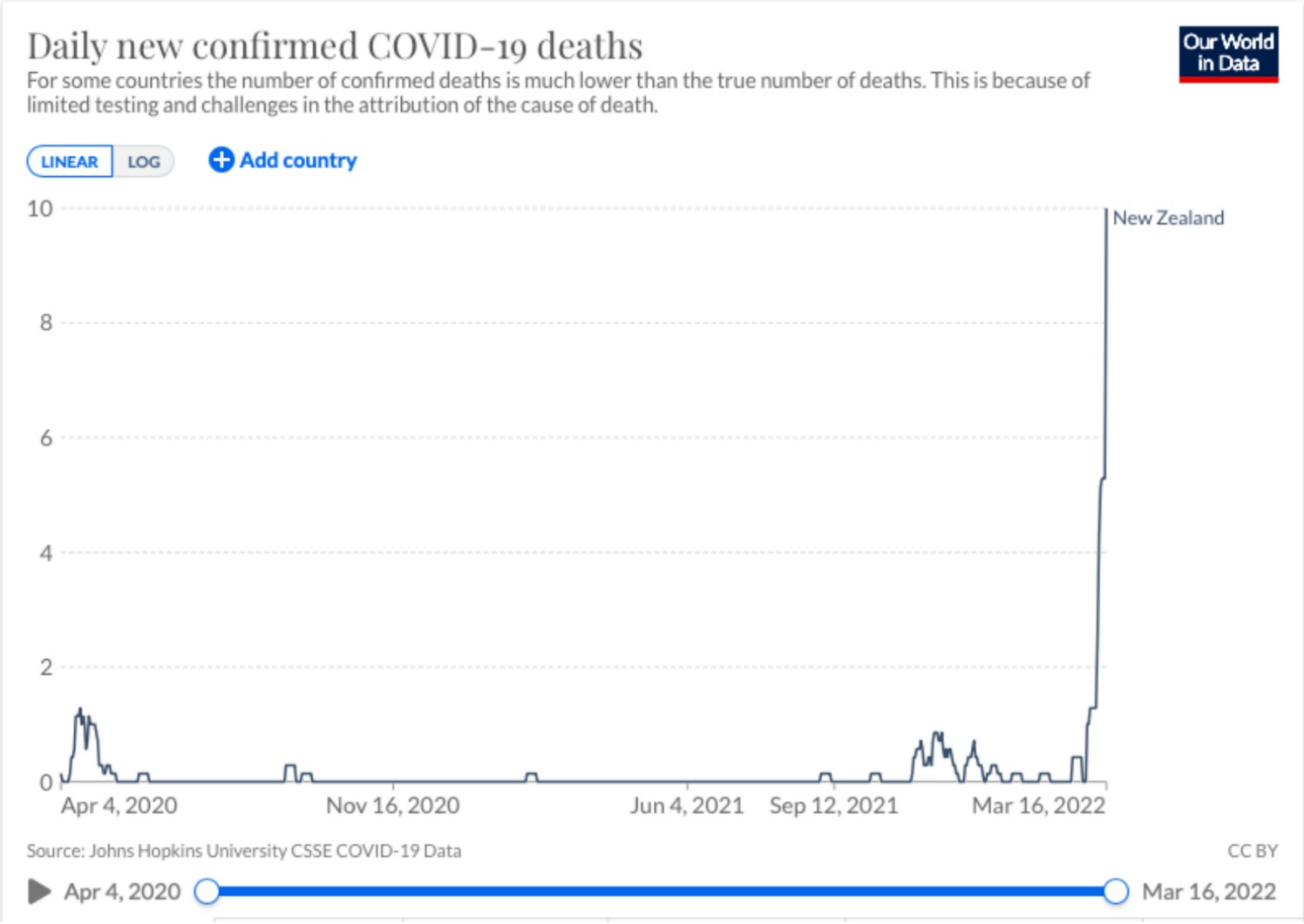

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
100,000
80,000
60,000
40,000
20,000
0
Australia
New Zealand
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 1, 2020
Mar 16, 2022


Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
80
60
40
20
0
Australia
New Zealand
Mar 7, 2020
Aug 8, 2020
Feb 24, 2021
Jun 4, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 7, 2020
Mar 16, 2022

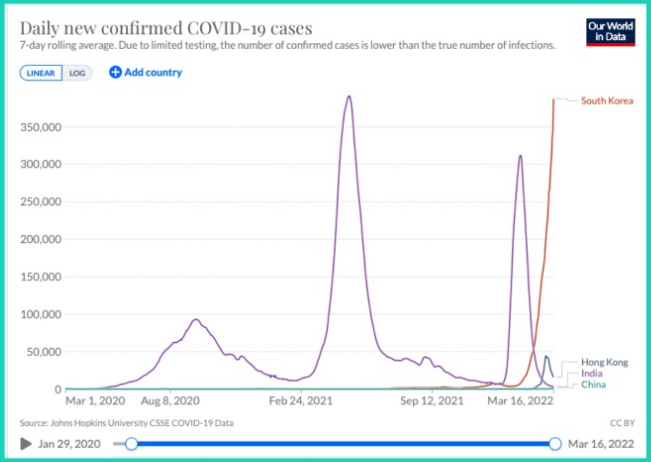

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
100,000
80,000
60,000
40,000
20,000
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Australia
New Zealand
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 1, 2020
Mar 16, 2022

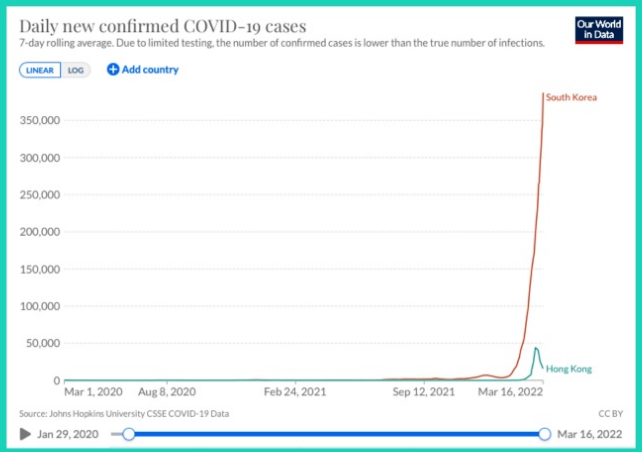

Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
80
60
40
20
0
Australia
New Zealand
Mar 7, 2020
Aug 8, 2020
Feb 24, 2021
Jun 4, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 7, 2020
Mar 16, 2022

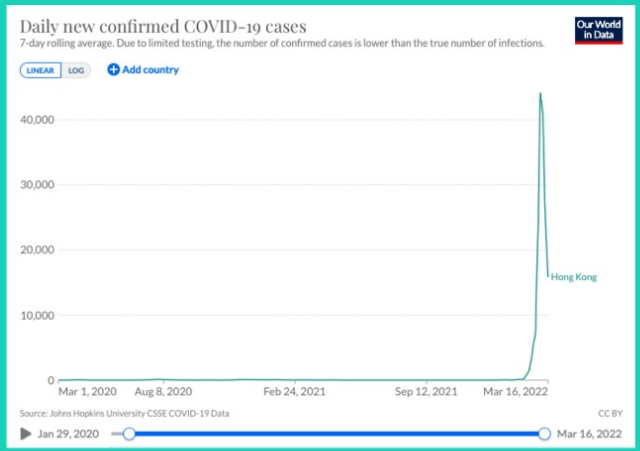

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
New Zealand
20,000
15,000
10,000
5,000
0
Mar 5, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Mar 5, 2020
Mar 16, 2022

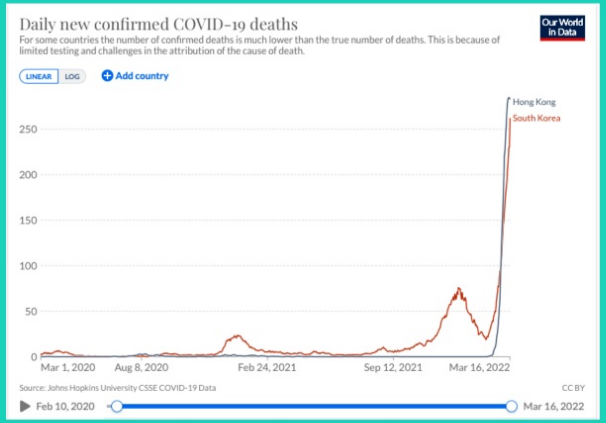

Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
10
8
6
4
2
0
New Zealand
Apr 4, 2020
Nov 16, 2020
Jun 4, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Apr 4, 2020
Mar 16, 2022

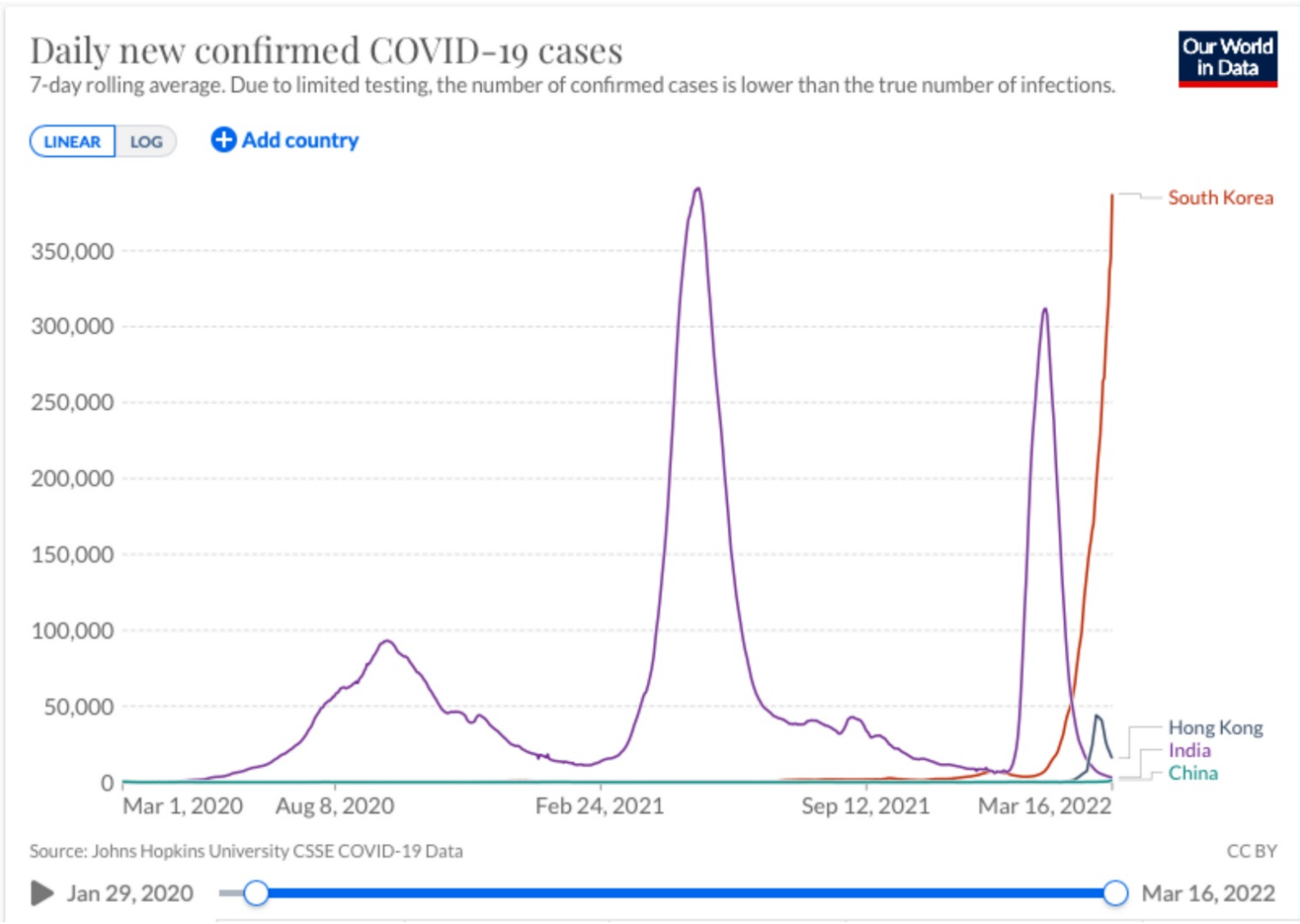
Ásia

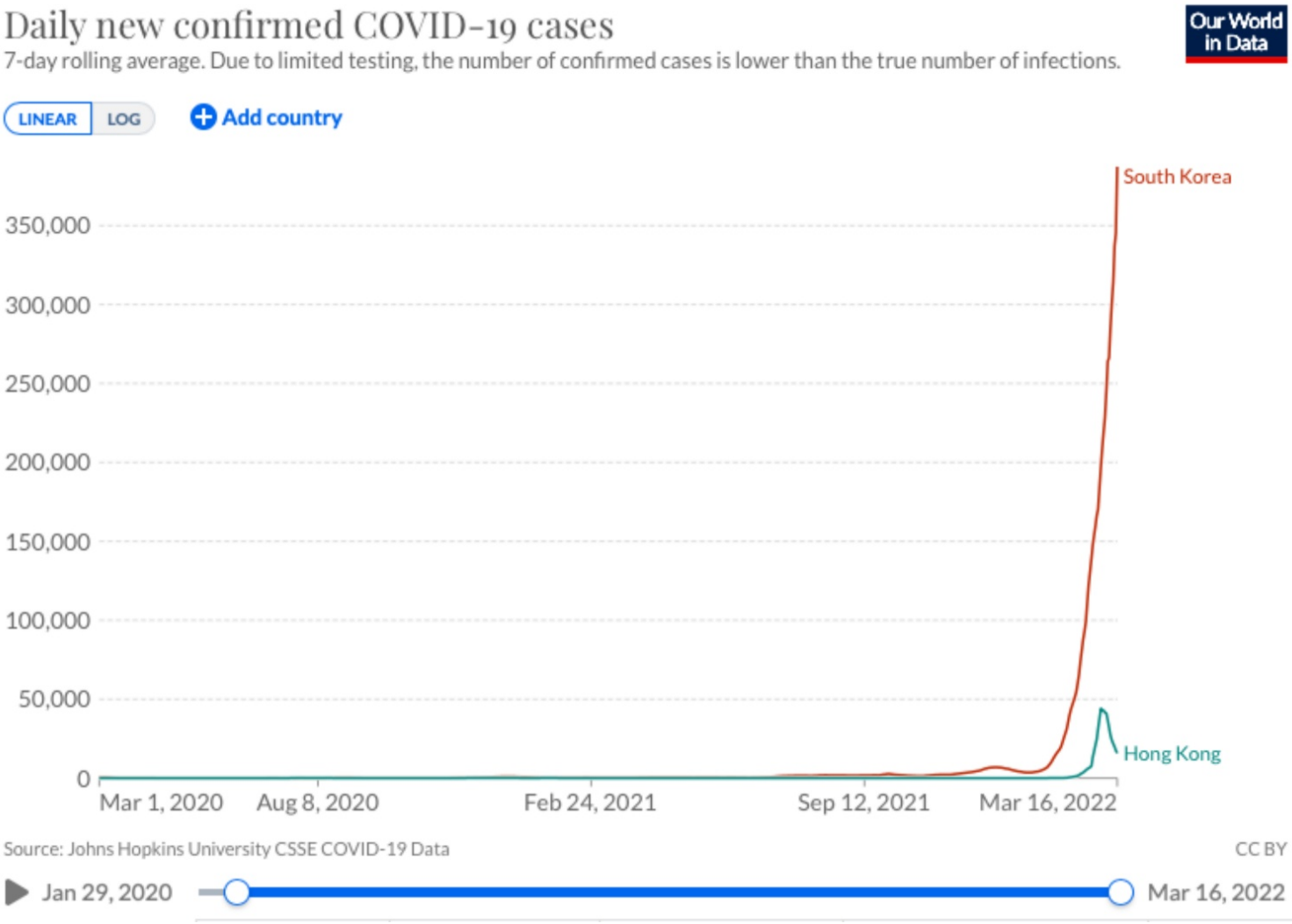

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR LOG
Add country
South Korea
Hong Kong
India
China
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022

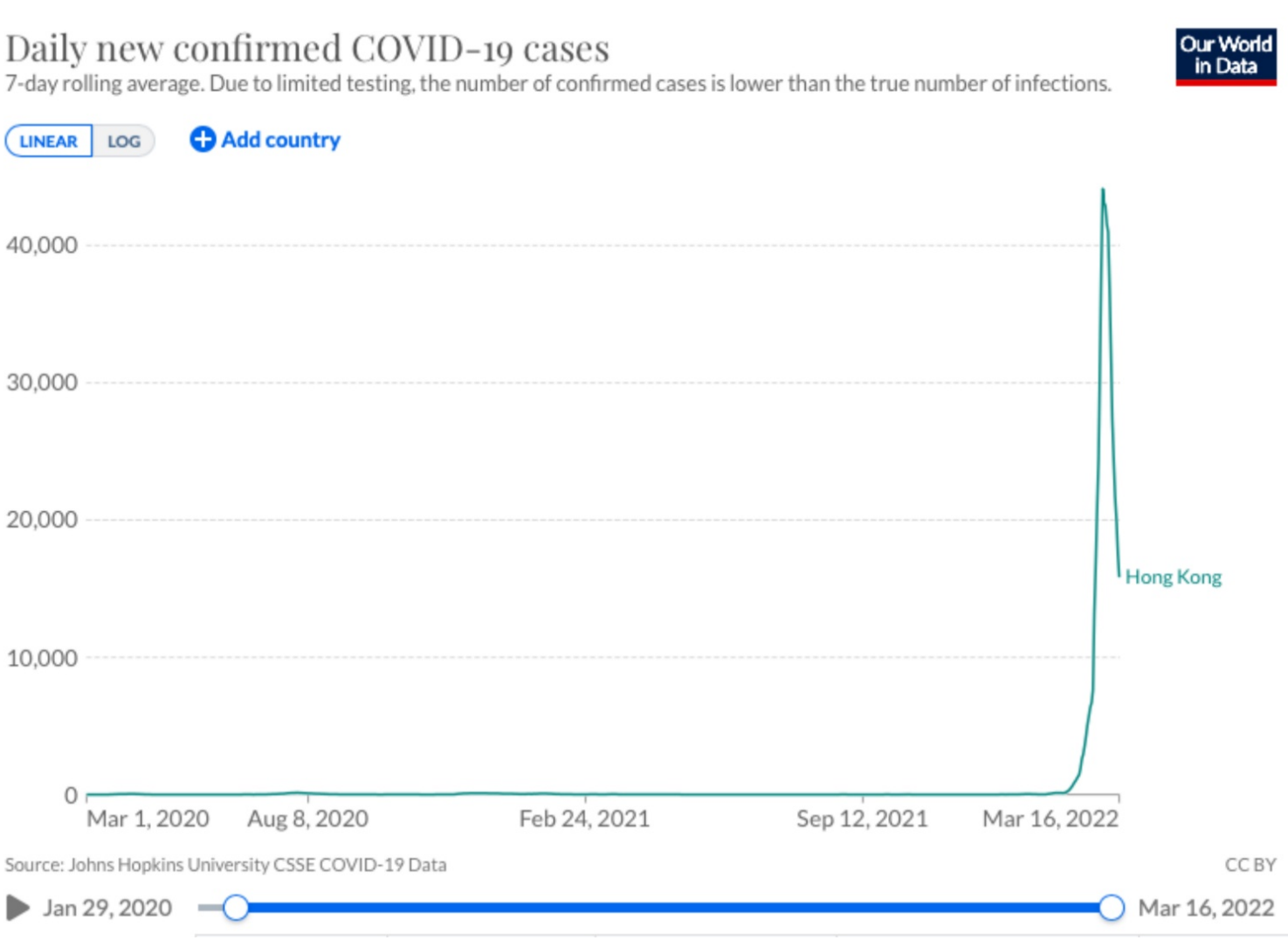

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR LOG
Add country
South Korea
Hong Kong
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022

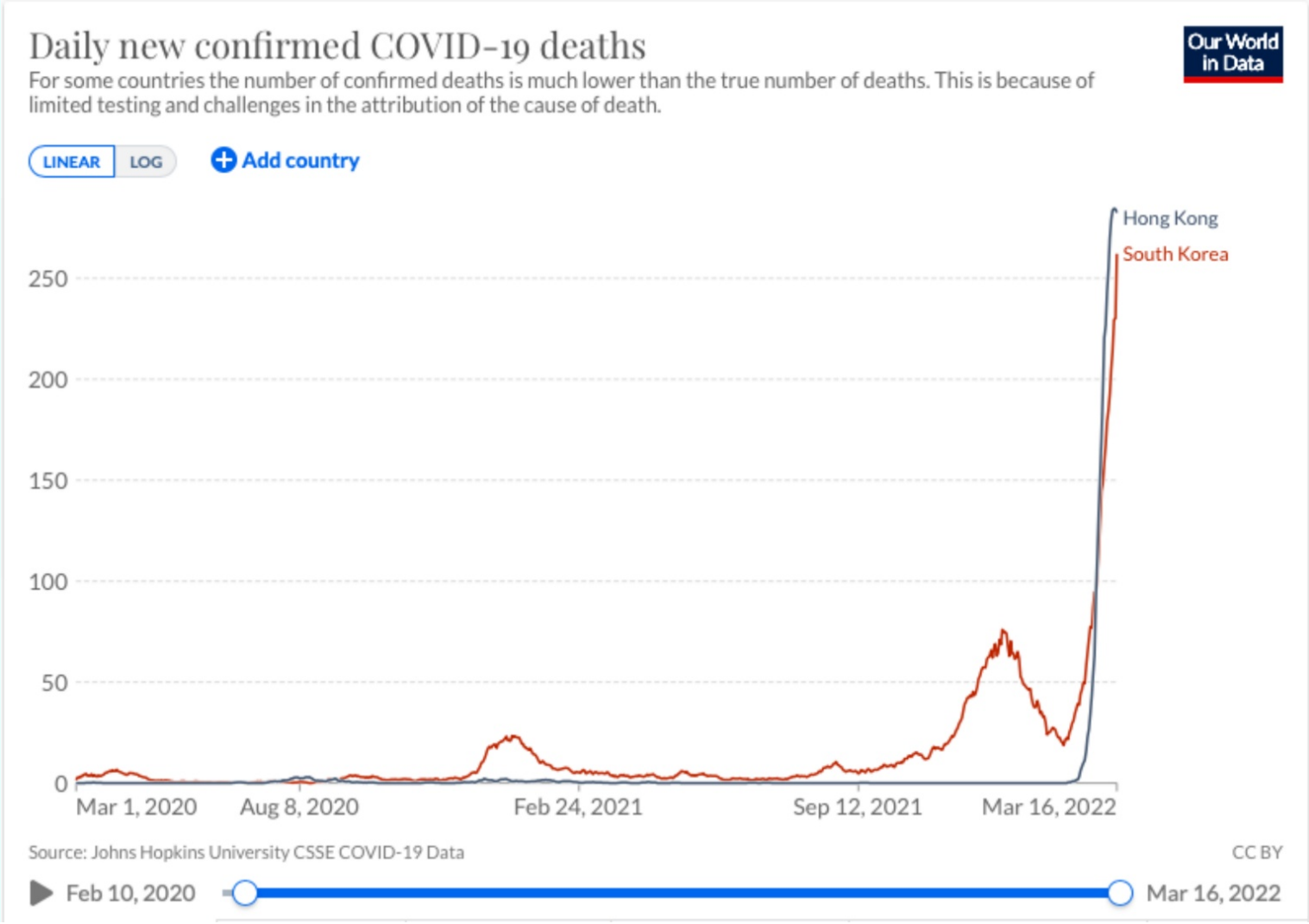

Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR LOG
Add country
Hong Kong
40,000
30,000
20,000
10,000
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022


Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR LOG
Add country
Hong Kong
South Korea
250
200
150
100
50
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 10, 2020
Mar 16, 2022


Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
South Korea
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Hong Kong
India
China
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022


Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
South Korea
Hong Kong
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022


Daily new confirmed COVID-19 cases
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.
Our World in Data
LINEAR
LOG
Add country
40,000
30,000
20,000
10,000
0
Hong Kong
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Jan 29, 2020
Mar 16, 2022


Daily new confirmed COVID-19 deaths
For some countries the number of confirmed deaths is much lower than the true number of deaths. This is because of limited testing and challenges in the attribution of the cause of death.
Our World in Data
LINEAR
LOG
Add country
Hong Kong
South Korea
250
200
150
100
50
0
Mar 1, 2020
Aug 8, 2020
Feb 24, 2021
Sep 12, 2021
Mar 16, 2022
Source: Johns Hopkins University CSSE COVID-19 Data
CC BY
Feb 10, 2020
Mar 16, 2022

Vacina

+

Medidas não farmacológicas

Pensamento coletivo x raciocínio clínico de risco individual

A pandemia acabou?

ATUALIZAÇÃO ANDIFES

17 de março 2022

Linha do tempo

Transmissão respiratória

Futuro

Lucia Pellanda

UFCSPA
Universidade Federal de Ciências da Saúde de Porto Alegre

Importância da transmissão respiratória

Retorno seguro

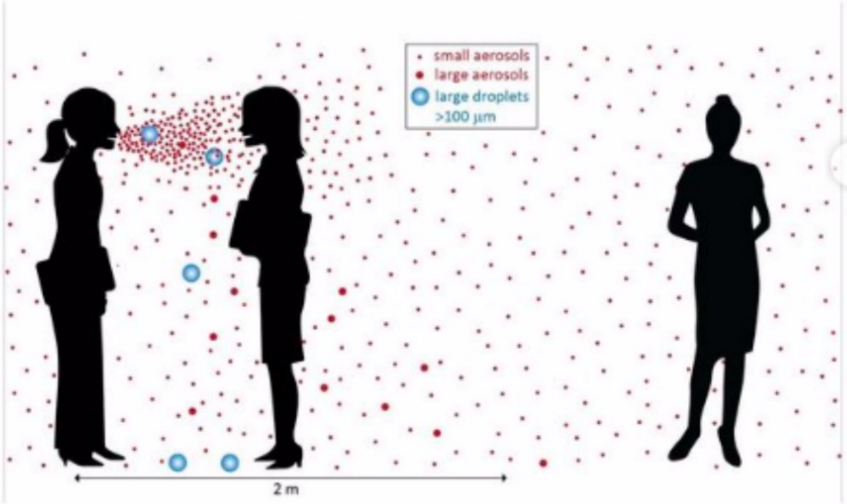
Não porque a pandemia acabou, mas porque os protocolos oferecem segurança

Não existe risco zero, mas há como reduzir significativamente o risco

Prevenção da transmissão respiratória

1. Máscaras
2. Ventilação
3. Distanciamento

Por que máscaras boas e ajustadas, ventilação e distância são tão importantes?



... muito mais que o álcool gel!

Leia o post

@luizacaires3

1

2

3

People who reported always wearing a mask in indoor public settings were less likely to test positive for COVID-19 than people who didn't*
WEARING A MASK LOWERED THE ODDS OF TESTING POSITIVE
Among 534 participants reporting mask type†
NO MASK
CLOTH MASK#
SURGICAL MASK
RESPIRATOR (N95/KN95)
56% lower odds
66% lower odds
83% lower odds
CDC
bit.ly/MMWR7106
* Matched case-control study, 1,828 people, Feb 10–Dec 1, 2021
† Compared people with similar characteristics (e.g., vaccination)
# Not statistically significant
MMWR

Proteção em camadas

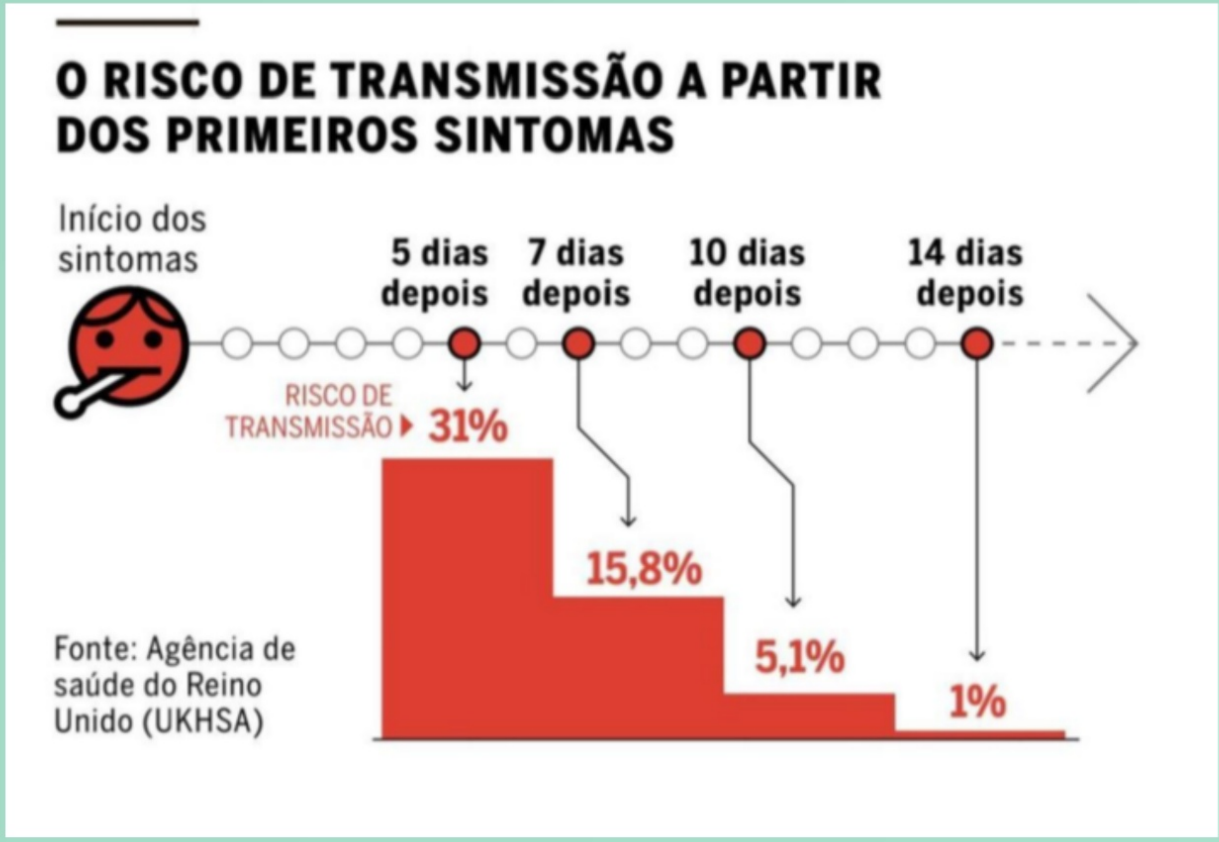
Avaliando o risco

Tradução
Mellanie
Fontes Dutra

O distanciamento físico traz mais segurança do que aglomerações
TEMPO
00:00
MAIS SEGURO
MENOS SEGURO
59:00
Períodos de menor tempo com outras pessoas é mais seguro
LEMBRE-SE: É SEMPRE MAIS SEGURO:
CONHEÇA SEUS RISCOS
REDUZA SEUS RISCOS
ORGANIZAÇÃO
MUNDIAL DA SAÚDE

LOCAL
MAIS SEGURO
MENOS SEGURO
Ambientes abertos são mais seguros do que ambientes fechados
PROXIMIDADE
MAIS SEGURO
MENOS SEGURO
O distanciamento físico traz mais segurança do que aglomerações
TEMPO

Isolamento


O RISCO DE TRANSMISSÃO A PARTIR DOS PRIMEIROS SINTOMAS
Início dos sintomas
5 dias depois
7 dias depois
10 dias depois
14 dias depois
RISCO DE TRANSMISSÃO
31%
15,8%
5,1%
1%
Fonte: Agência de saúde do Reino Unido (UKHSA)

Escolas - AFP

Martha Raquel
Brasil de Fato | Salvador (BA) | 08 de Setembro de 2020 às 07:48

IBATÉ | Escolas municipais cumprem protocolos sanitários rigorosos

18 de fevereiro de 2021

https://regiaoemdestake.com.br/2021/02/18/ibate-escolas-municipais-cumprem-protocolos-sanitarios-rigorosos/

Escolas - AFP

Setembro de 2020 às 07:48

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A pandemia acabou?

Variáveis a considerar

- início das aulas
- mobilidade
- redução do ritmo de vacinação
- disparidade da vacinação entre as regiões

- LIBERAÇÃO DAS MÁSCARAS E DISTANCIAMENTO

- subvariante BA.2

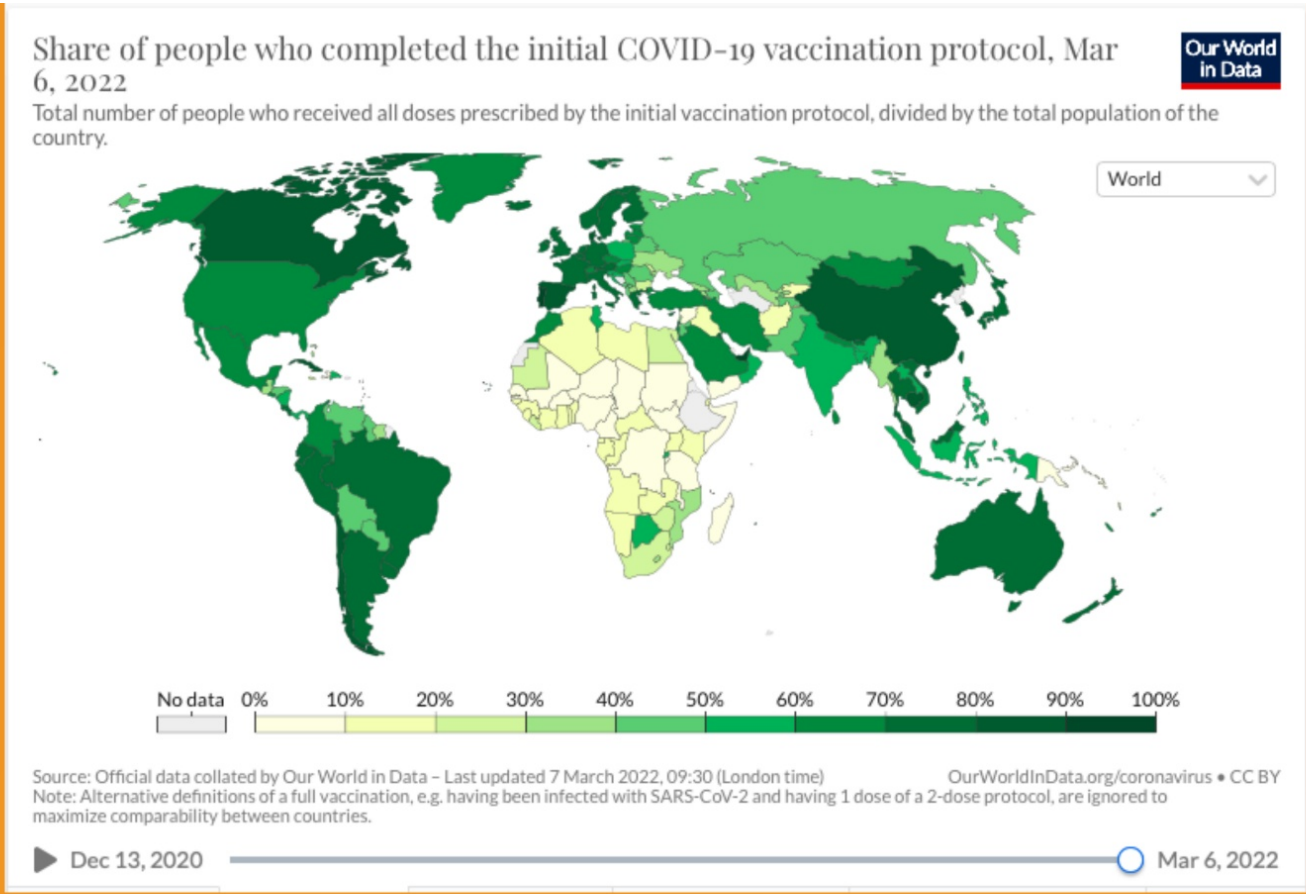
Vacinas

Gestão da pandemia

Em 17/03/22:

63,8% da população mundial recebeu pelo menos 1 dose da vacina

14% da população de países pobres

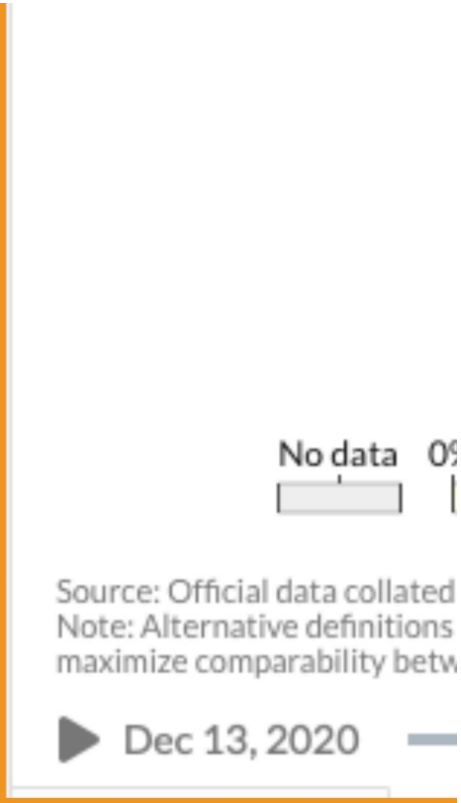


> 11 bilhões de doses

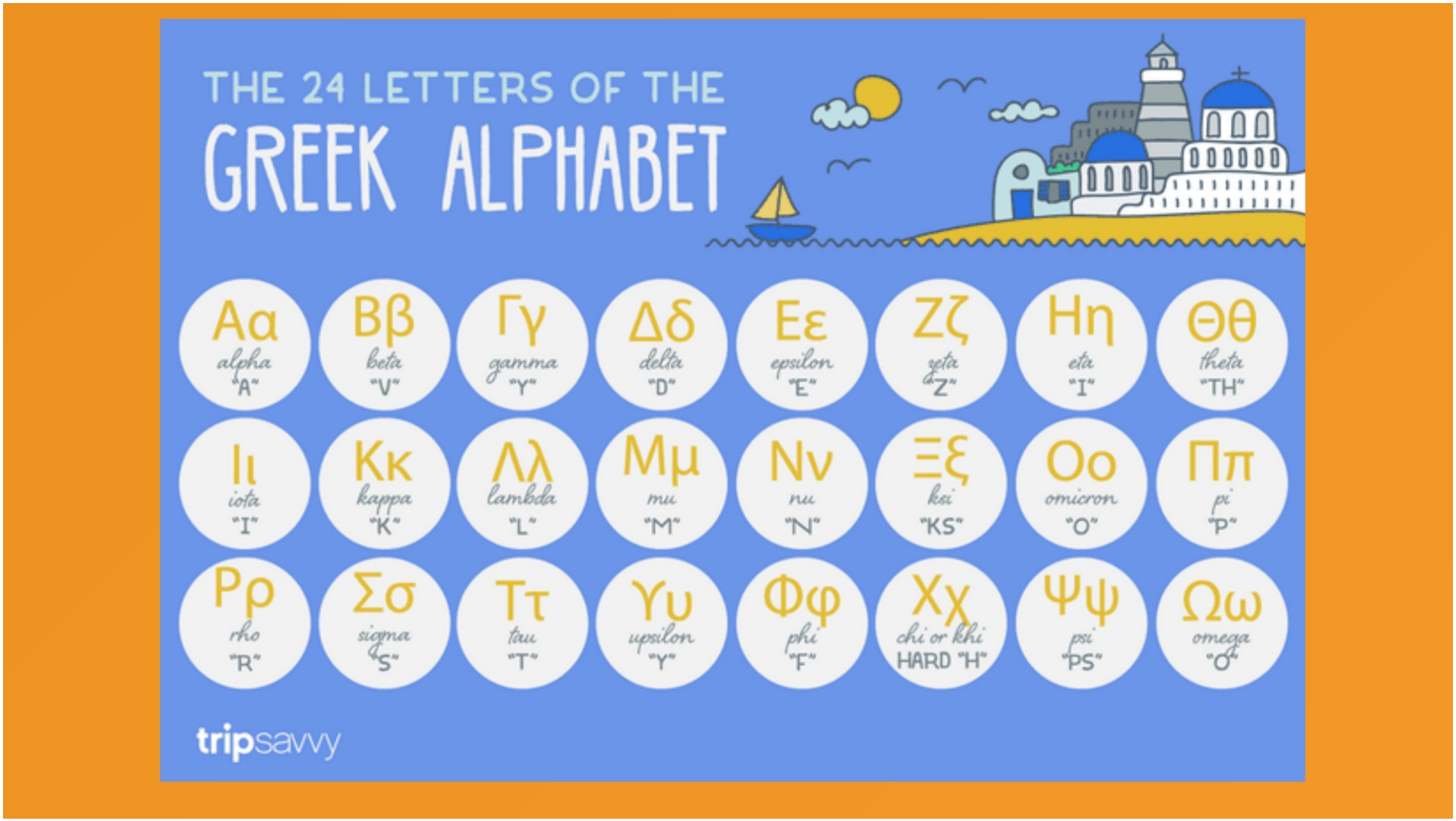
Em 17/03/22:

63,8% da população mundial recebeu pelo menos 1 dose da vacina

14% da população de países pobres



> 1


THE 24 LETTERS OF THE
GREEK ALPHABET
Αα alpha "A"
Ββ beta "V"
Γγ gamma "Y"
Δδ delta "D"
Εε epsilon "E"
Ζζ zeta "Z"
Ηη eta "I"
Θθ theta "TH"
Ιι iota "I"
Κκ kappa "K"
Λλ lambda "L"
Μμ mu "M"
Νν nu "N"
Ξξ ksi "KS"
Οο omicron "O"
Ππ pi "P"
Ρρ rho "R"
Σσ sigma "S"
Ττ tau "T"
Υυ upsilon "Y"
Φφ phi "F"
Χχ chi or khi HARD "H"
Ψψ psi "PS"
Ωω omega "O"
tripsavvy

COVID LONGA

NÃO É UMA DOENÇA TRIVIAL

ENDEMIA X EPIDEMIA

PANDEMIA

A pandemia acabou?

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