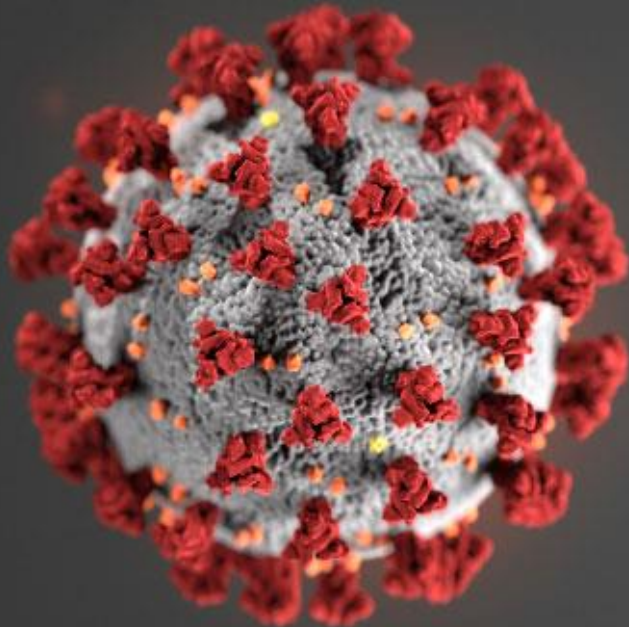


SARS-CoV-2 Report - Portugal

José Luis Pires

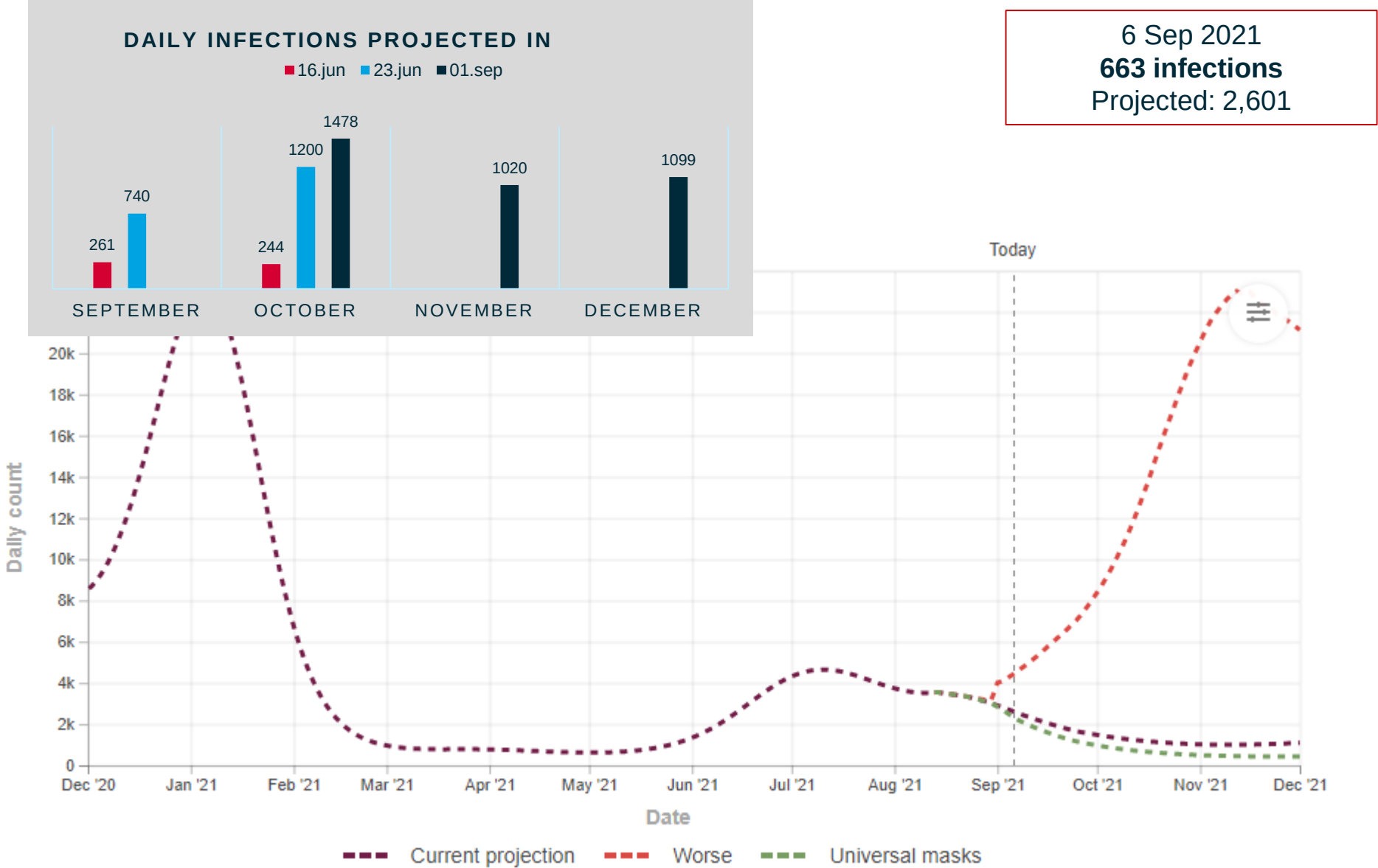
7 September 2021



Portugal - Coronavirus (SARS-CoV-2 / COVID 19)

- Covid-19 Daily Infection Projections in Portugal
- New cases per week
- Hospital stable/ICU per week
- Active cases
- New deaths per week
- Fatality Rate
- Vaccination Plan
- Cases per 100.000
- Transmission Rate - $R(t)$ in Portugal
- Transmission Rate - $R(t)$ in Lisbon and Tagus Valley
- Economic Projections for Portugal
- Coronavirus Outbreak Worldwide
- Where each vaccine is being used
- Tracking vaccination rates by country
- Confirmed cases by country
- Deaths by Country
- Number of COVID-19 cases reported weekly by WHO Region, and global deaths
- Latest Cases and Deaths by TOP 10 Countries
- Latest News

Covid-19 Daily Infection Projections in Portugal



Current projection : Vaccine distribution is scaled up over 90 days. Variant B.1.1.7 continues to spread in certain locations.

Worse : In those who are vaccinated, mobility moves toward pre-COVID-19 levels.

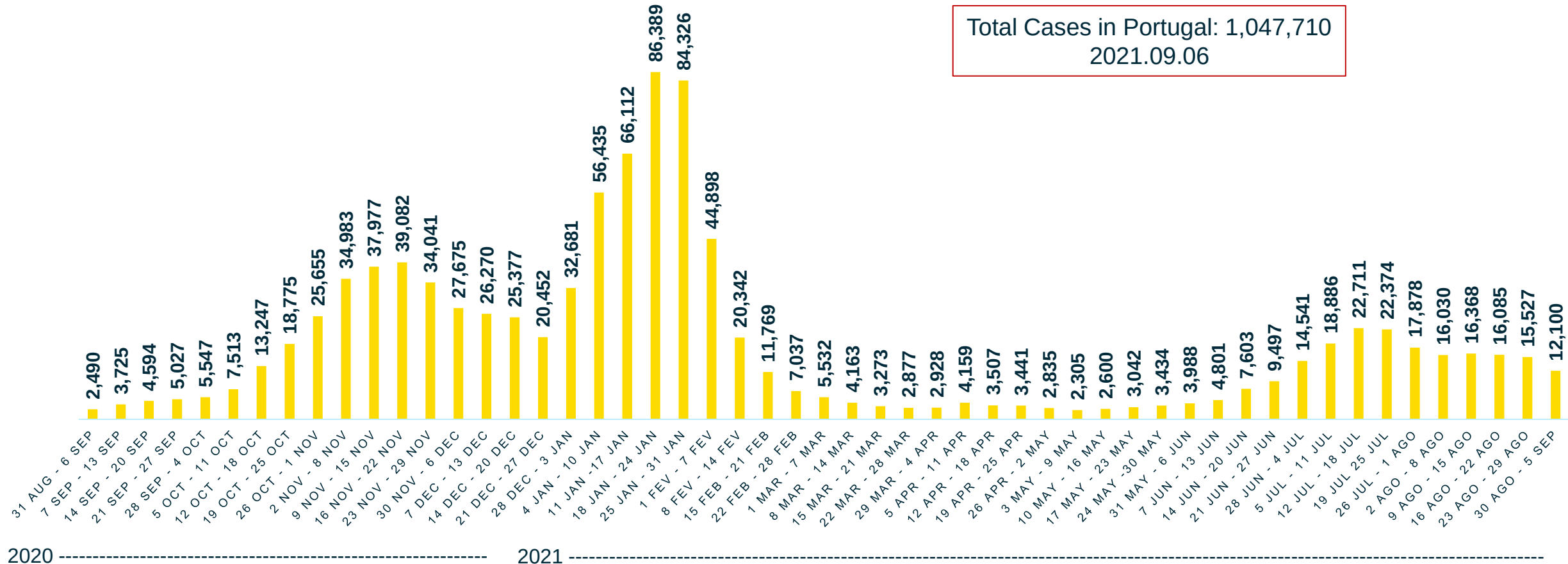
Universal masks : 95% mask usage is adopted in public.

Projection Daily Infections

For 1 December 2021

1 Sep Projection: 1,099

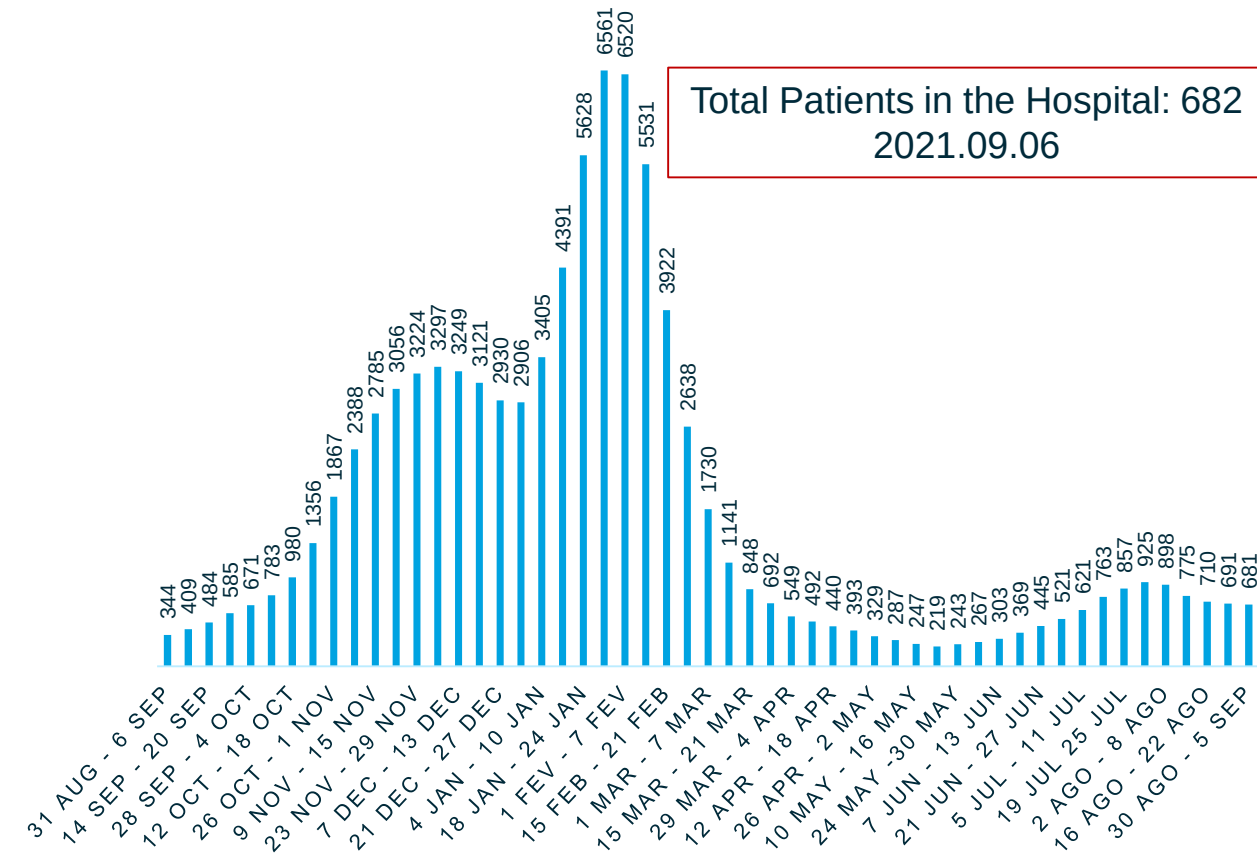
Coronavirus (SARS-CoV-2 / COVID 19) – Portugal – New cases per week



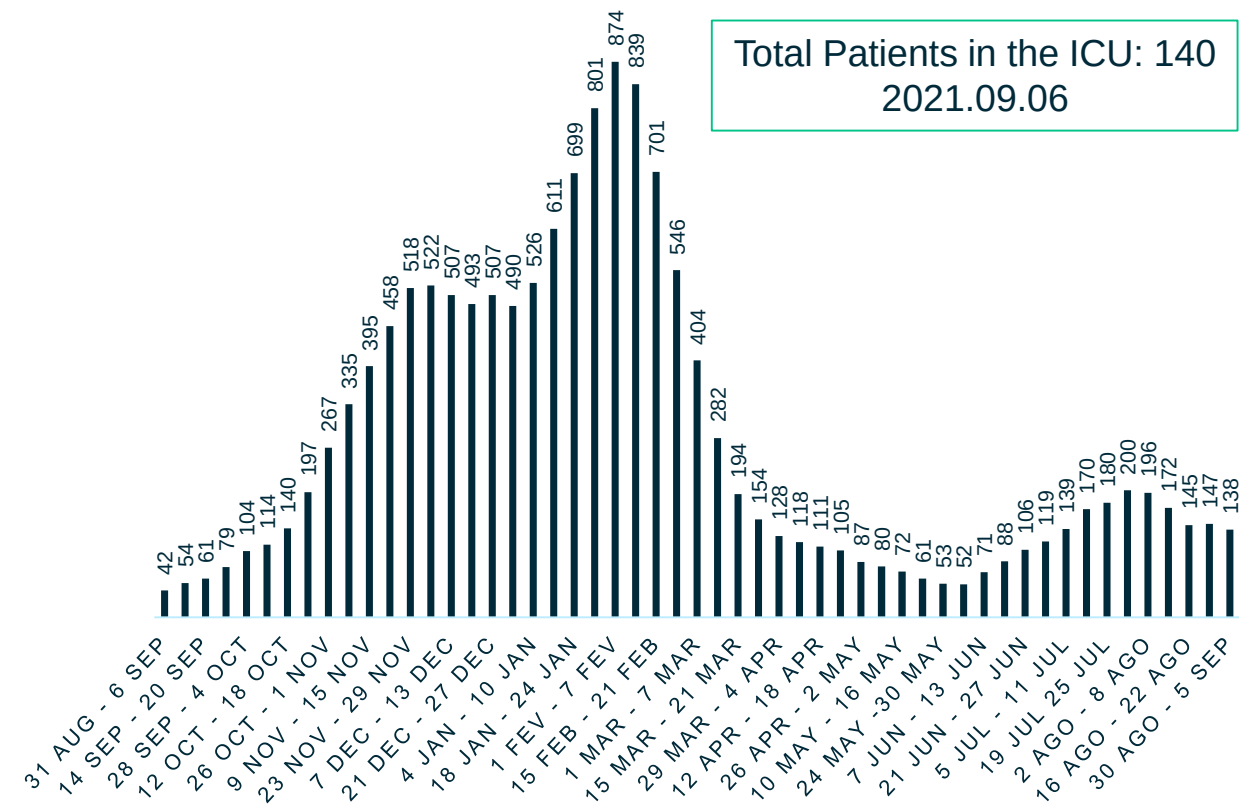
Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Coronavirus (SARS-CoV-2 / COVID 19) – Portugal – Hospital stable/ICU per week

■ Average # of Patients stable in the Hospital per week

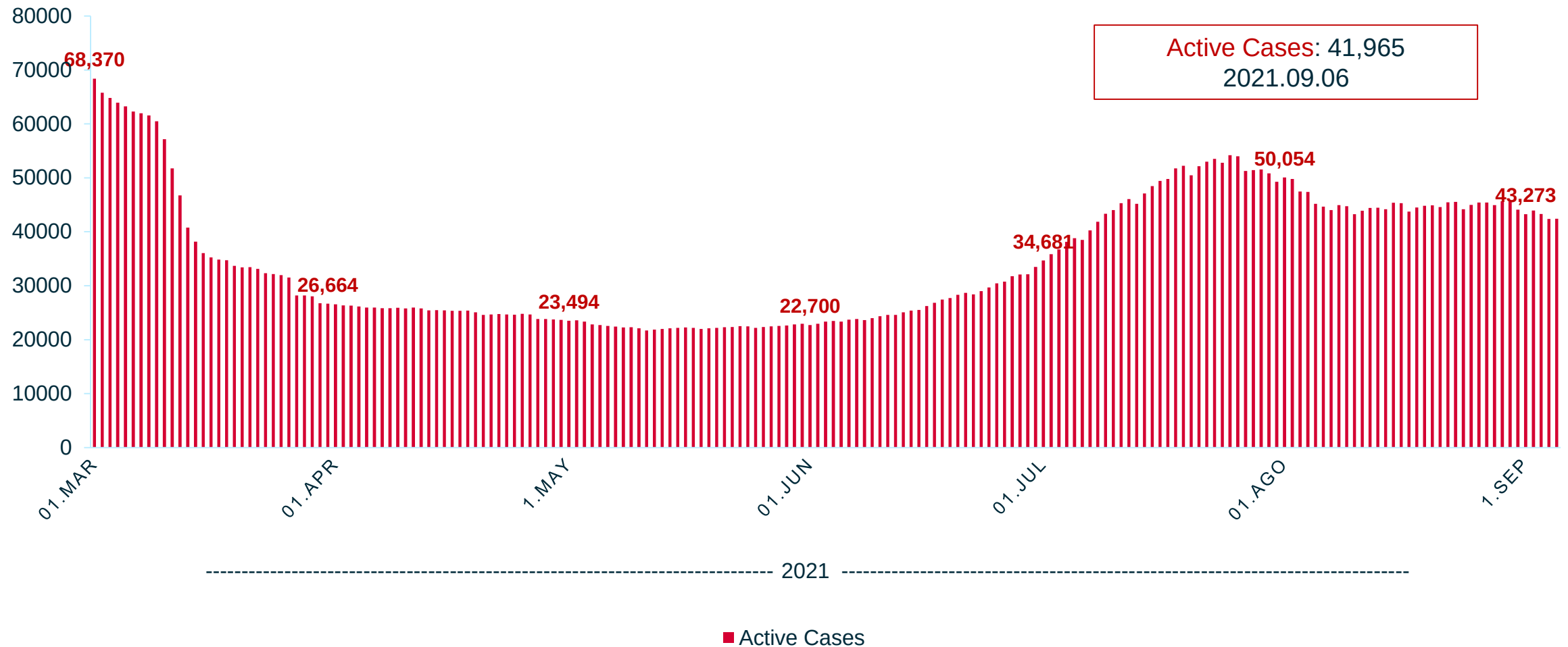


■ Average # of Patients in the ICU per week



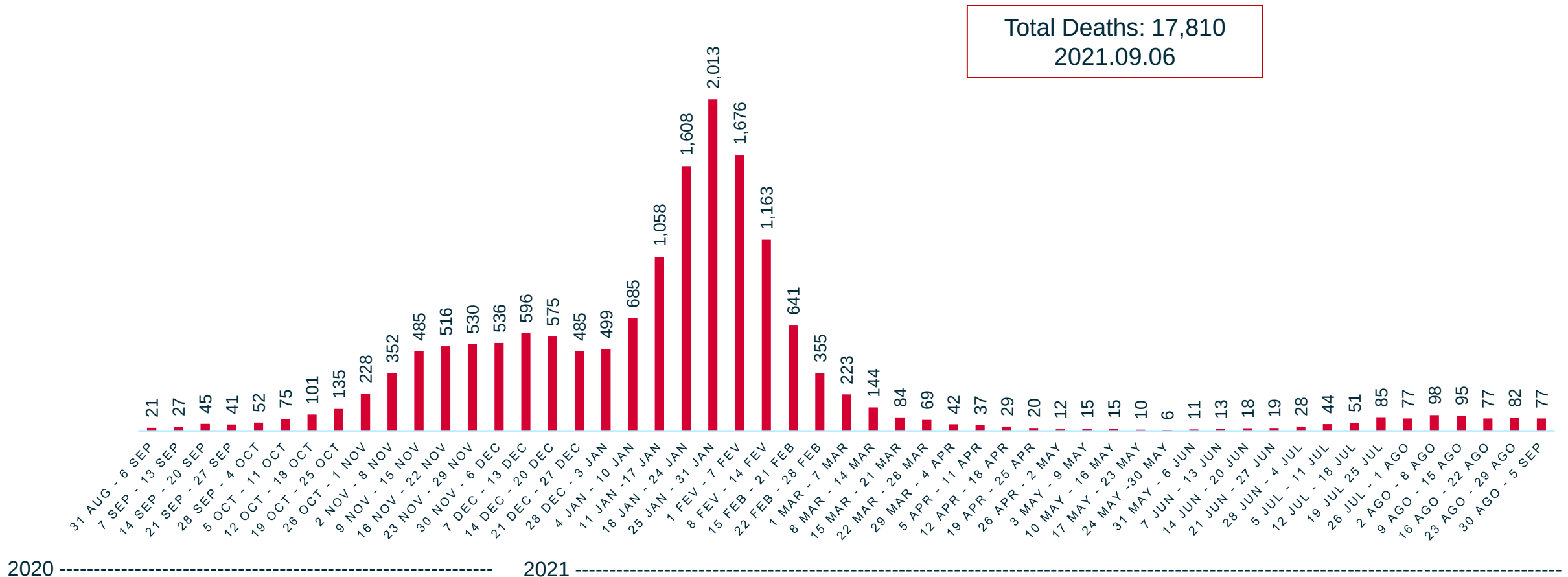
Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Coronavirus (SARS-CoV-2 / COVID 19) – Portugal – Active cases



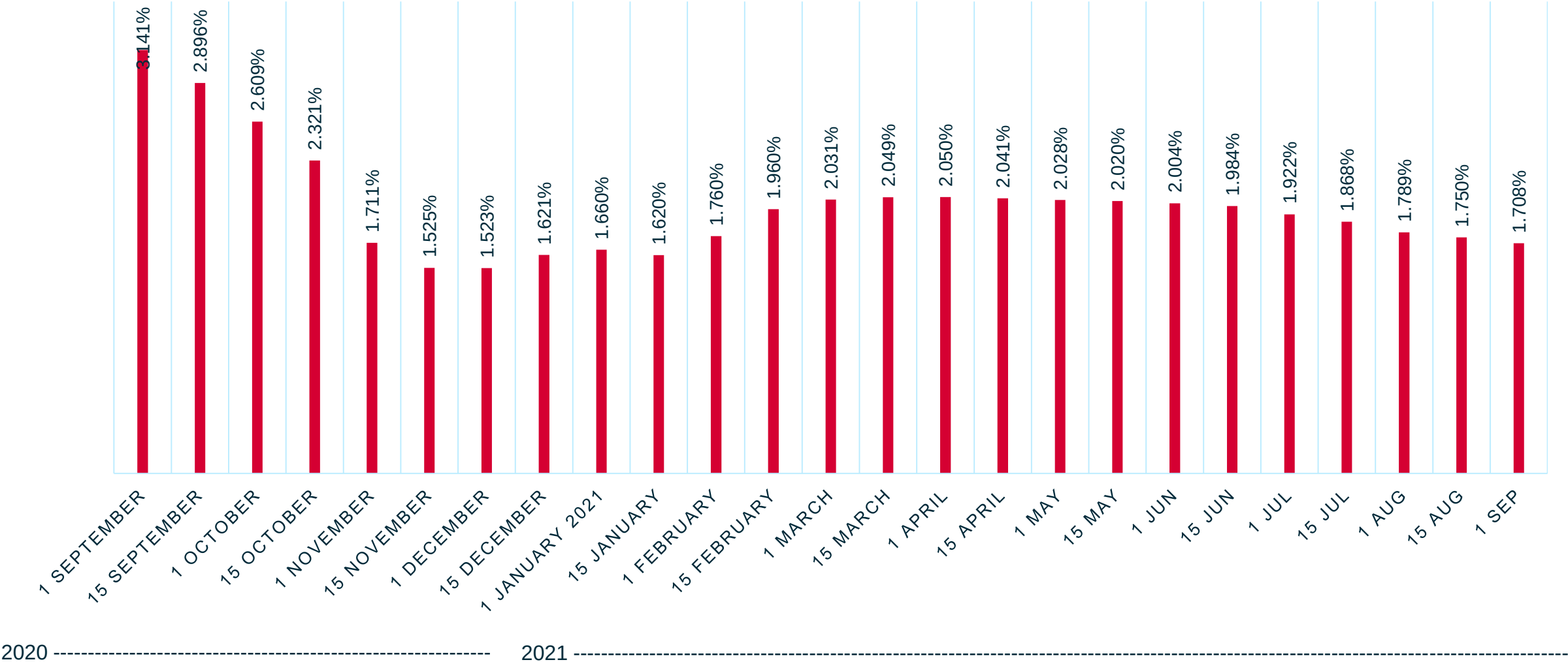
Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Coronavirus (SARS-CoV-2 / COVID 19) – Portugal – New deaths per week



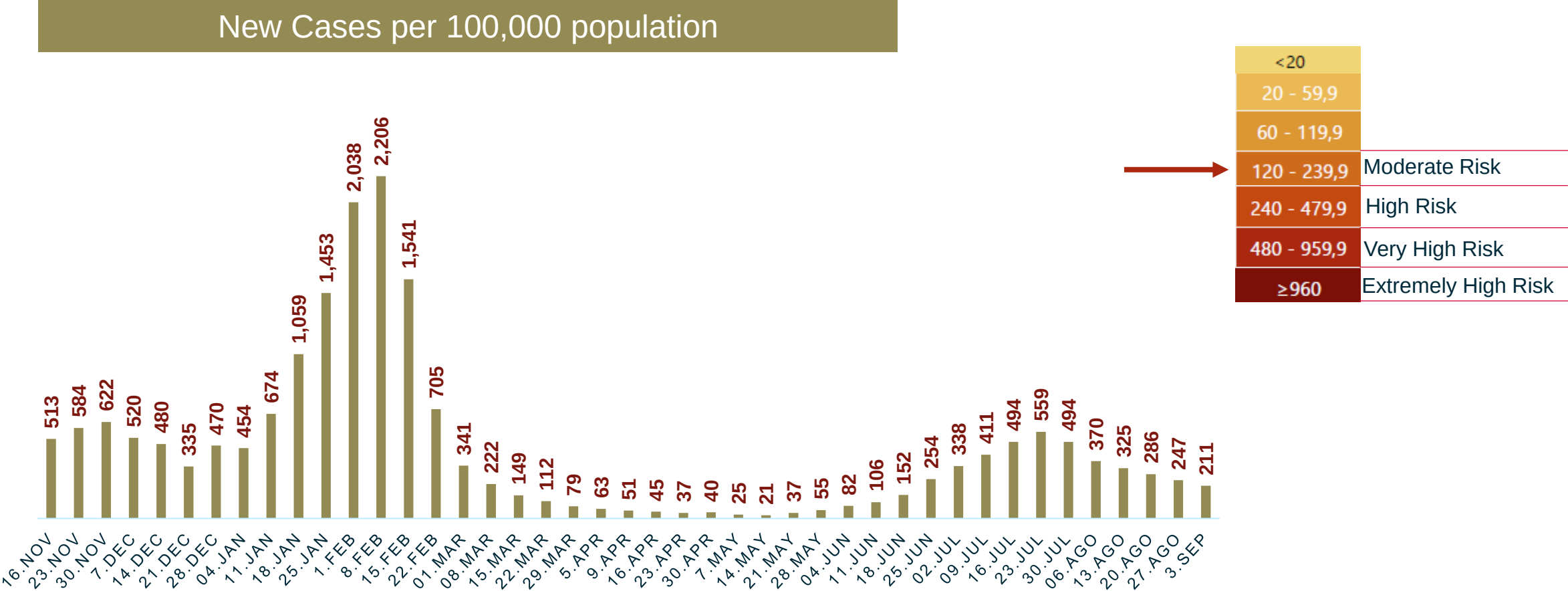
Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Portugal – Fatality Rate



Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

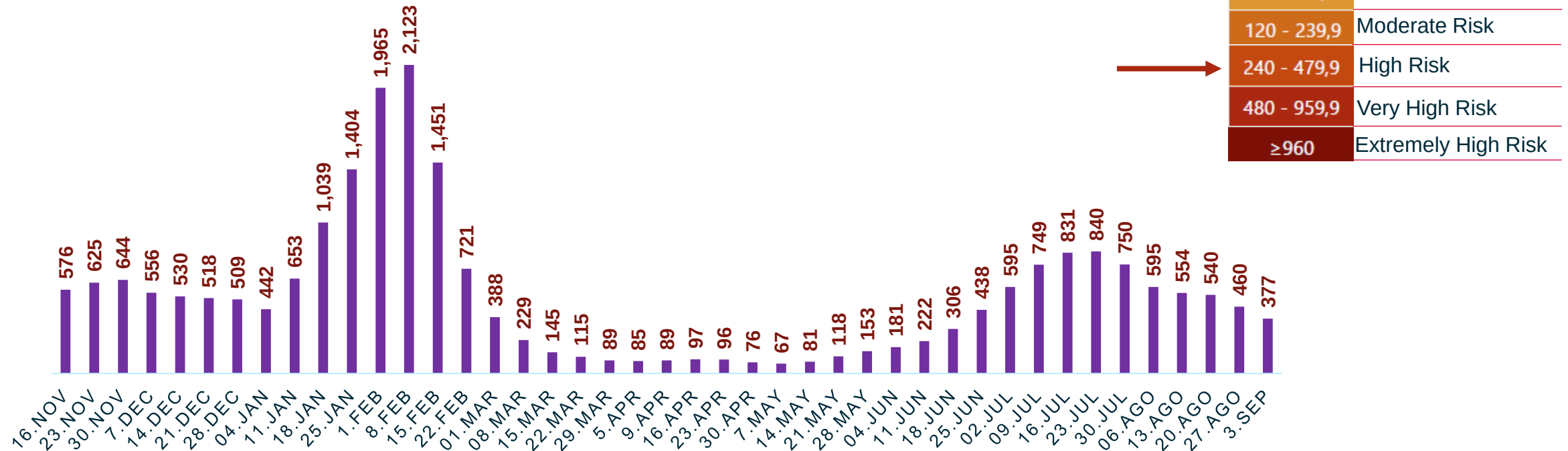
Coronavirus (SARS-CoV-2 / COVID 19) – Loures



Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

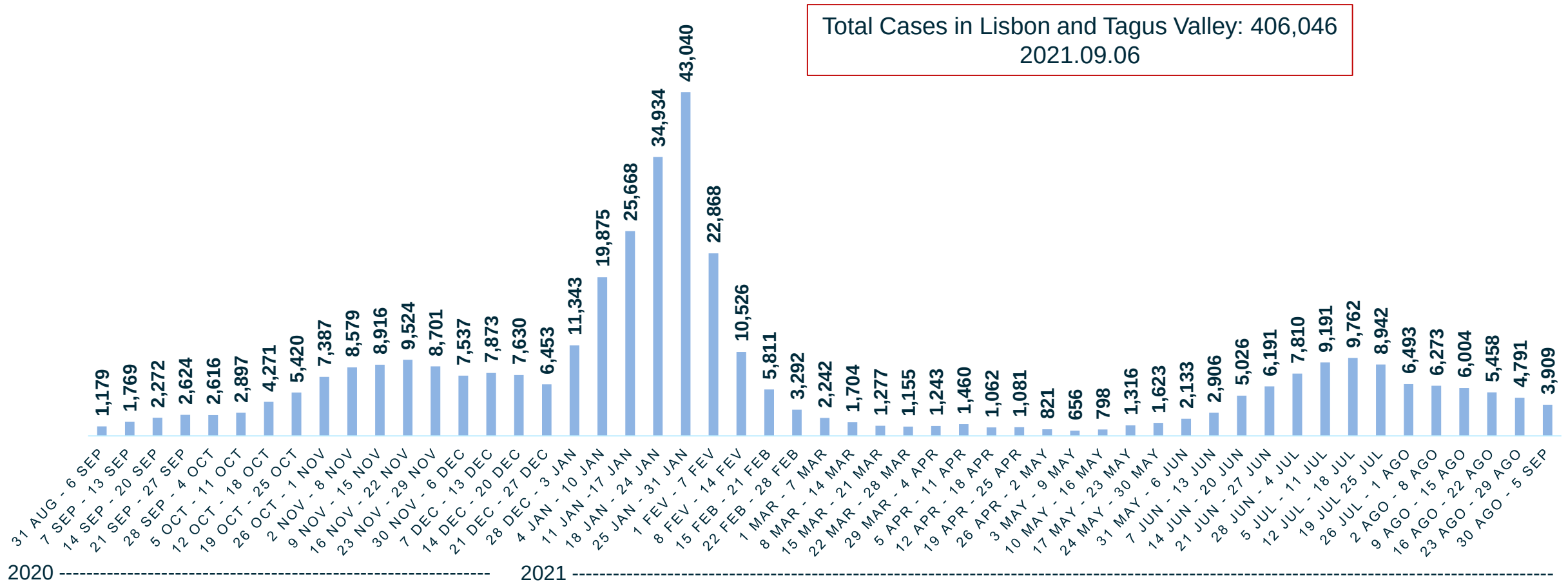
Coronavirus (SARS-CoV-2 / COVID 19) – Lisbon

New Cases per 100,000 population



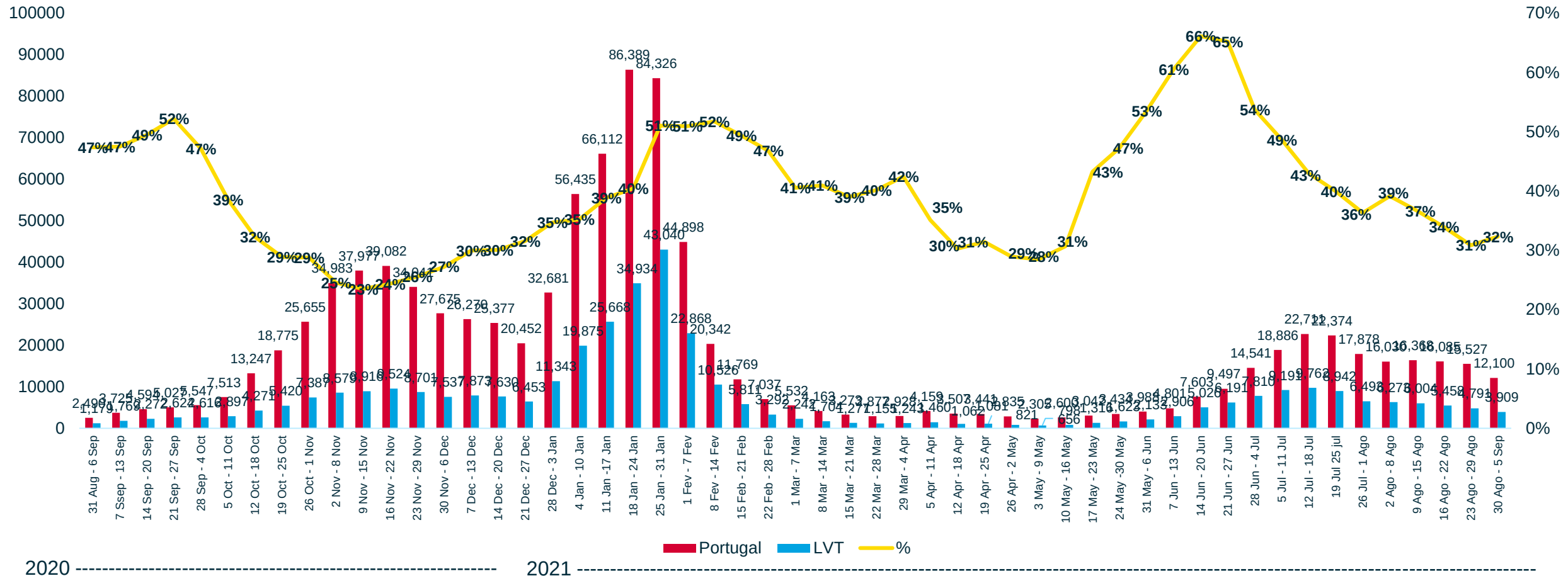
Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Coronavirus (SARS-CoV-2 / COVID 19) – **Lisbon and Tagus Valley** - New cases per week



Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Coronavirus (SARS-CoV-2 / COVID 19) – % of new cases in Lisbon and Tagus Valley - New cases per week



Source: <https://covid19.min-saude.pt/ponto-de-situacao-atual-em-portugal/>

Portugal Vaccination Plan

From: 27 Dec 2020
To: 29 Aug 2021

Pessoas com pelo menos
uma dose ¹
8 607 939 (83%)

Pessoas com vacinação
completa ²
7 576 336 (73%)

Existem 1923 pessoas vacinadas com dose em fase de registo (+28 na semana em análise)

Pessoas com pelo menos uma dose e pessoas com vacinação completa

Grupo Etário	Pelo menos uma dose		Vacinação completa	
12 – 17	461 578	74%	41 148	7%
18 – 24	643 324	82%	393 499	50%
25 – 49	3 015 507	91%	2 740 384	82%
50 – 64	2 127 115	98%	2 079 942	96%
65 – 79	1 670 037	99%	1 643 170	99%
≥ 80	690 222	99%	678 170	99%

Existem pelo menos 156 pessoas com grupo etário por atribuir

Doses Recebidas



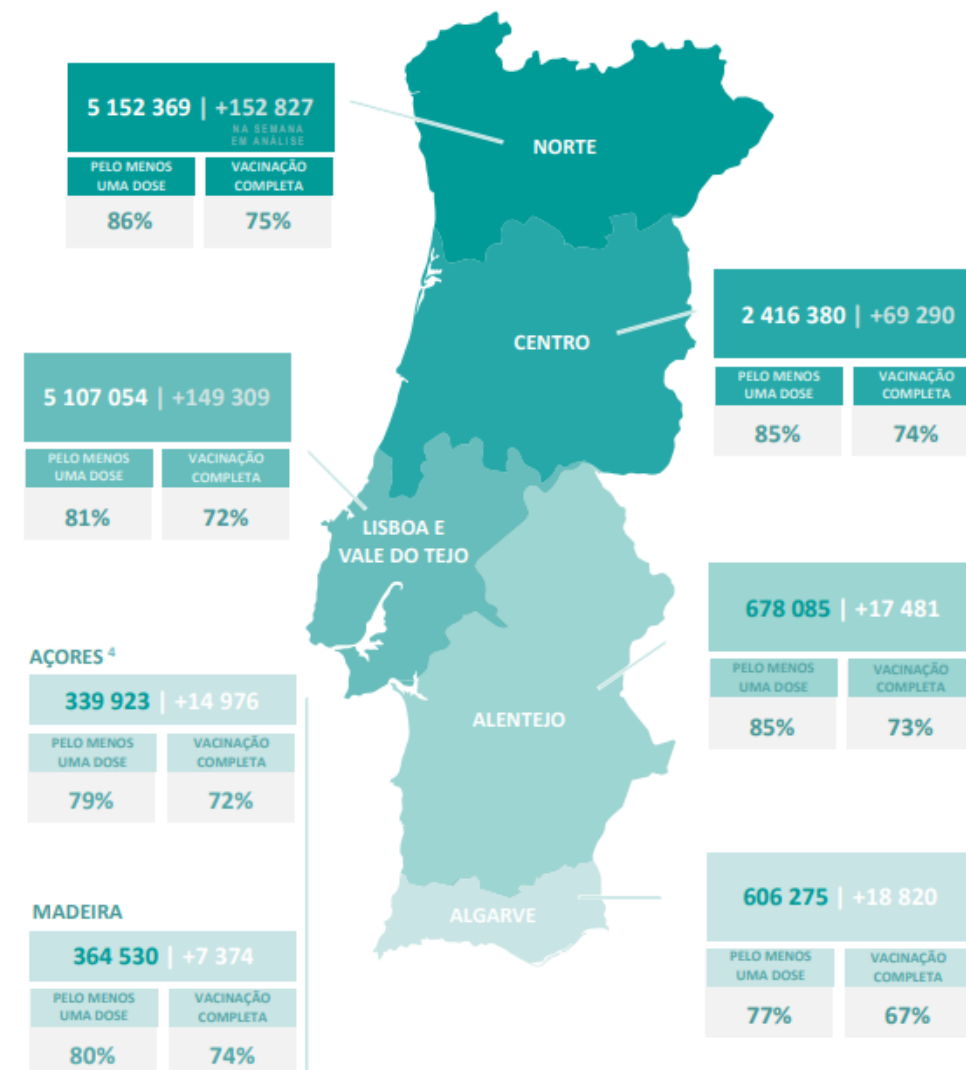
17 448 090

Doses Distribuídas ³



15 136 630

Número de doses administradas e
cobertura vacinal na população residente (%) por região de Saúde



SARS-CoV-2 / COVID 19

Portugal - cases per 100.000

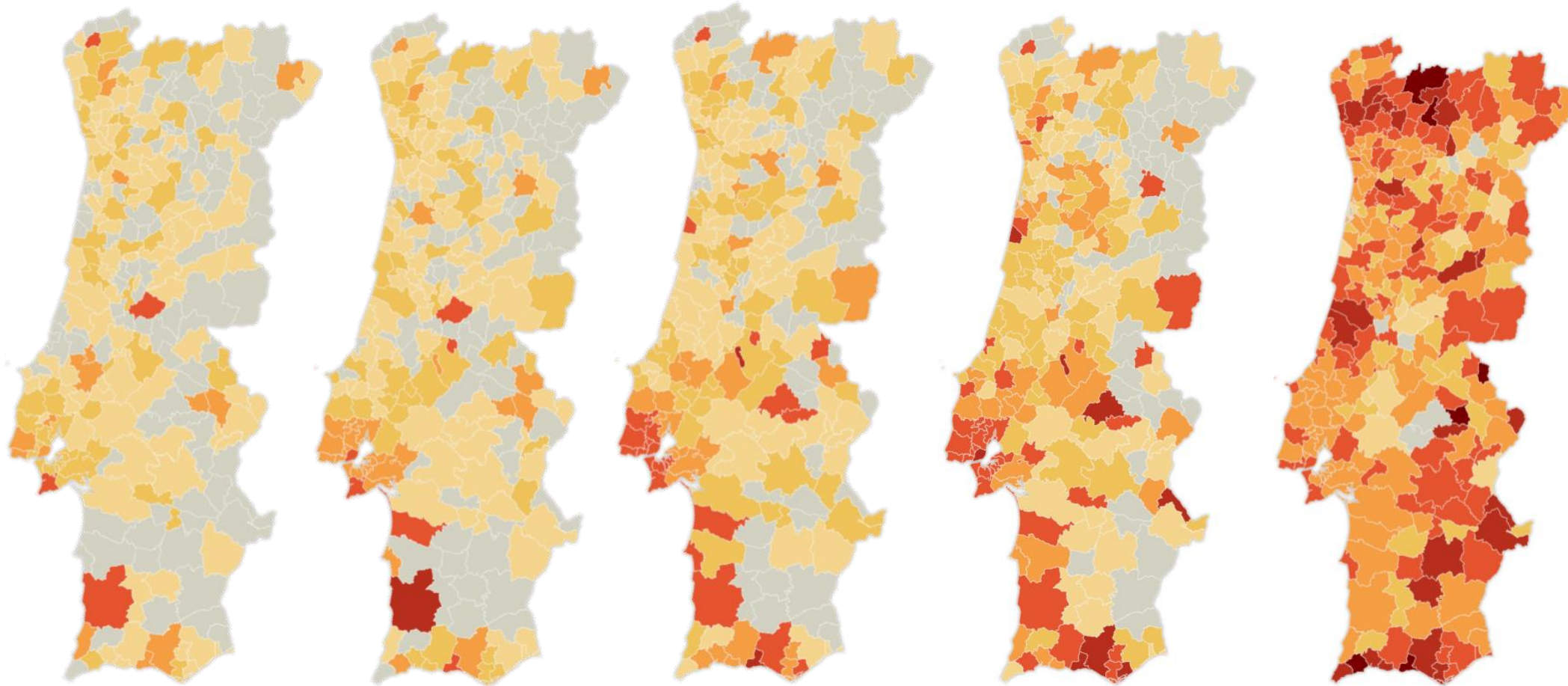
11 June

18 June

25 June

2 July

3 September



3 Sep 2021

Loures

211

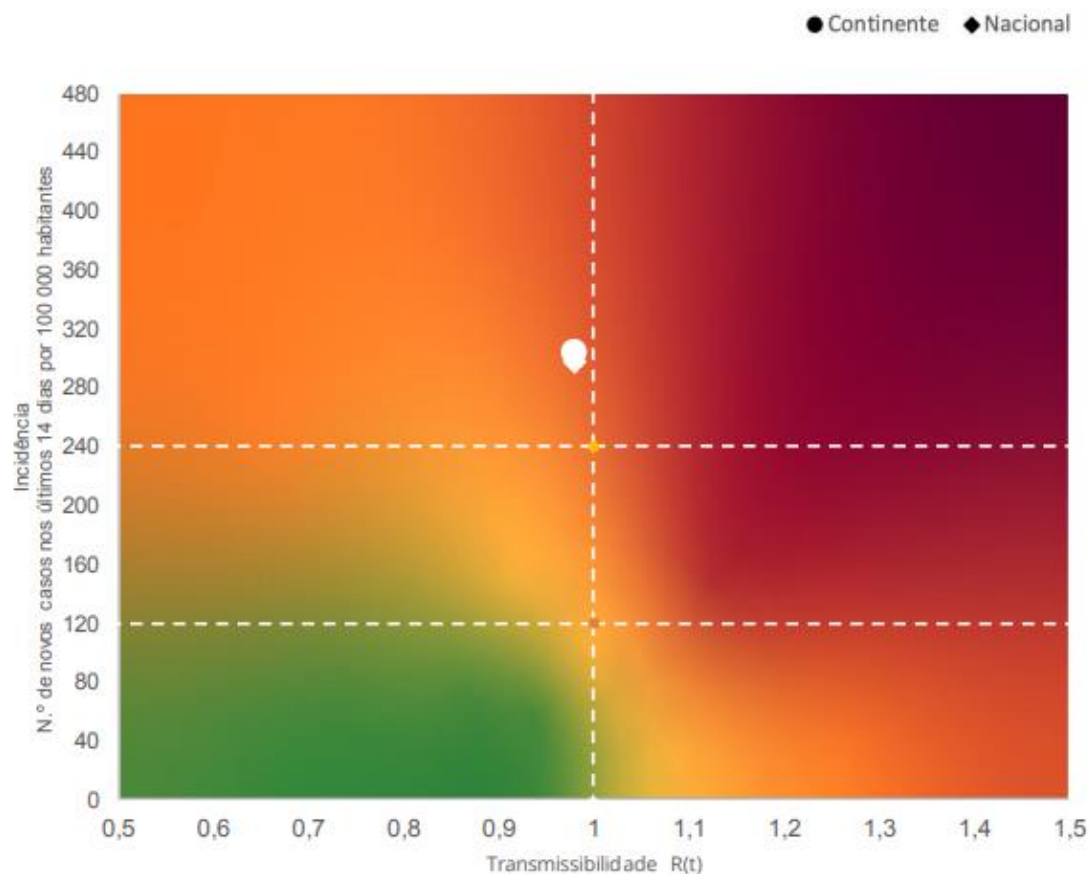
Lisbon

377

<20 20-59,9 60-119,9 120-239,9 240-479,9 480-959,9 ≥ 960

MATRIZ DE RISCO

Realização da análise: 30-08-2021



INCIDÊNCIA

Nacional: **297,7** casos de infeção por SARS-CoV-2/ COVID-19 por 100 000 hab.

Continente: **303,3** casos de infeção por SARS-CoV-2/ COVID-19 por 100 000 hab.

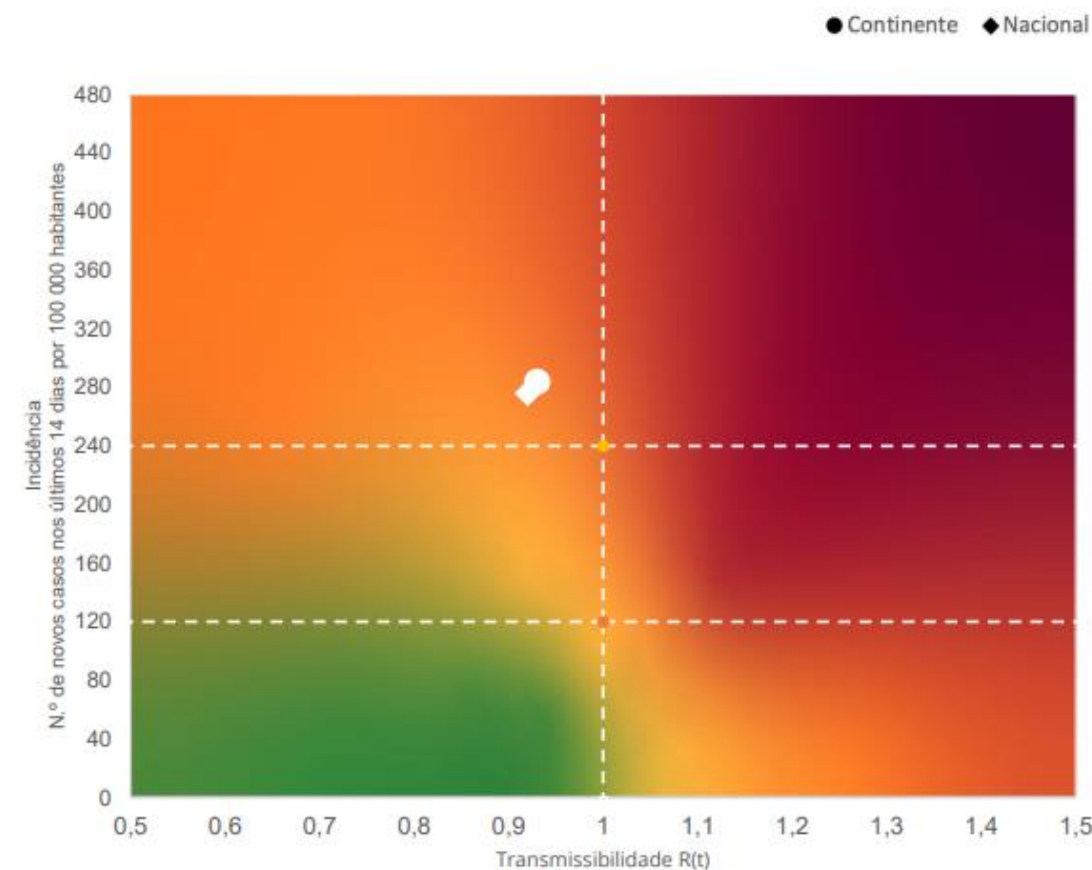
R(t)

Nacional: **0,98**

Continente: **0,99**

MATRIZ DE RISCO

Realização da análise: 06-09-2021



INCIDÊNCIA

Nacional: **276,0** casos de infeção por SARS-CoV-2/ COVID-19 por 100 000 hab.

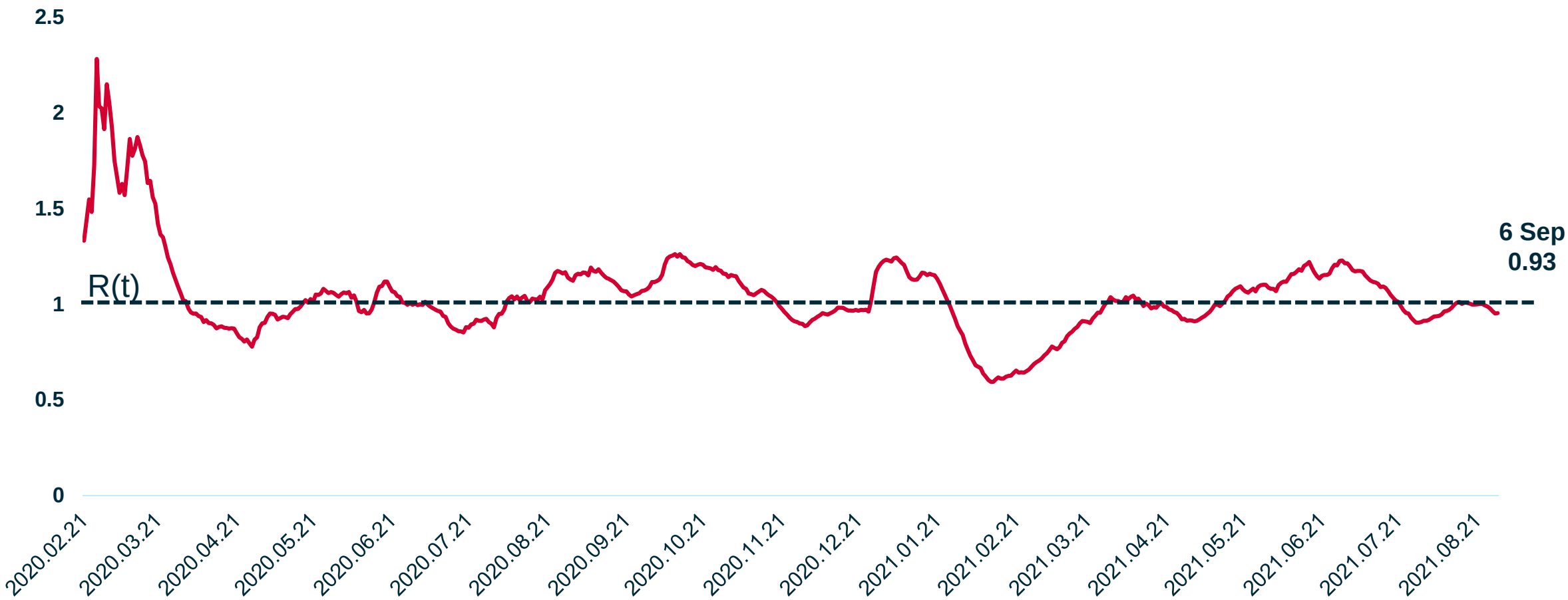
Continente: **283,8** casos de infeção por SARS-CoV-2/ COVID-19 por 100 000 hab.

R(t)

Nacional: **0,92**

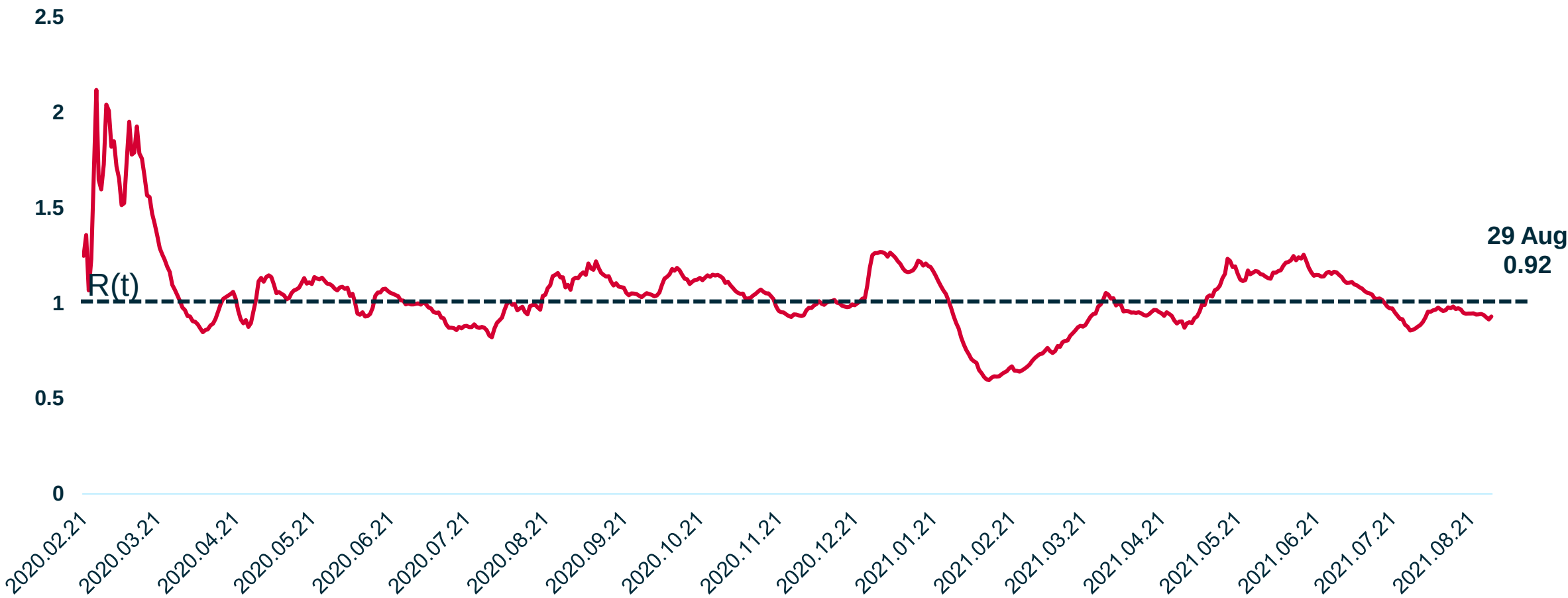
Continente: **0,93**

Transmission Rate - R(t) in Portugal



Source: SNS - <http://www.insa.min-saude.pt/category/areas-de-atuacao/epidemiologia/covid-19-curva-epidmica-e-parametros-de-transmissibilidade/>

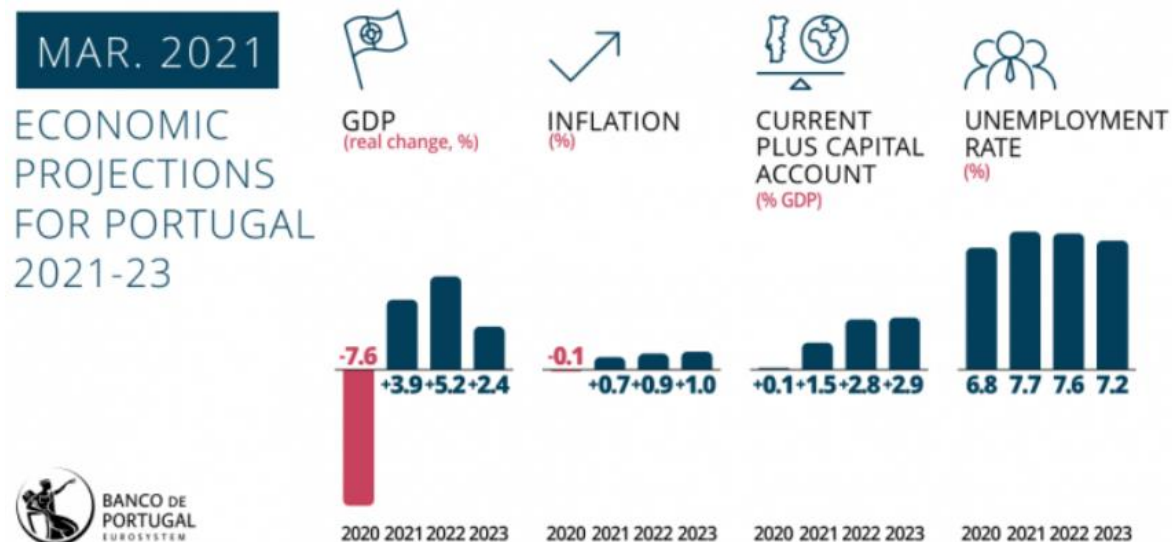
Transmission Rate - $R(t)$ in **Lisbon and Tagus Valley**



Source: SNS - <http://www.insa.min-saude.pt/category/areas-de-atuacao/epidemiologia/covid-19-curva-epidmica-e-parametros-de-transmissibilidade/>

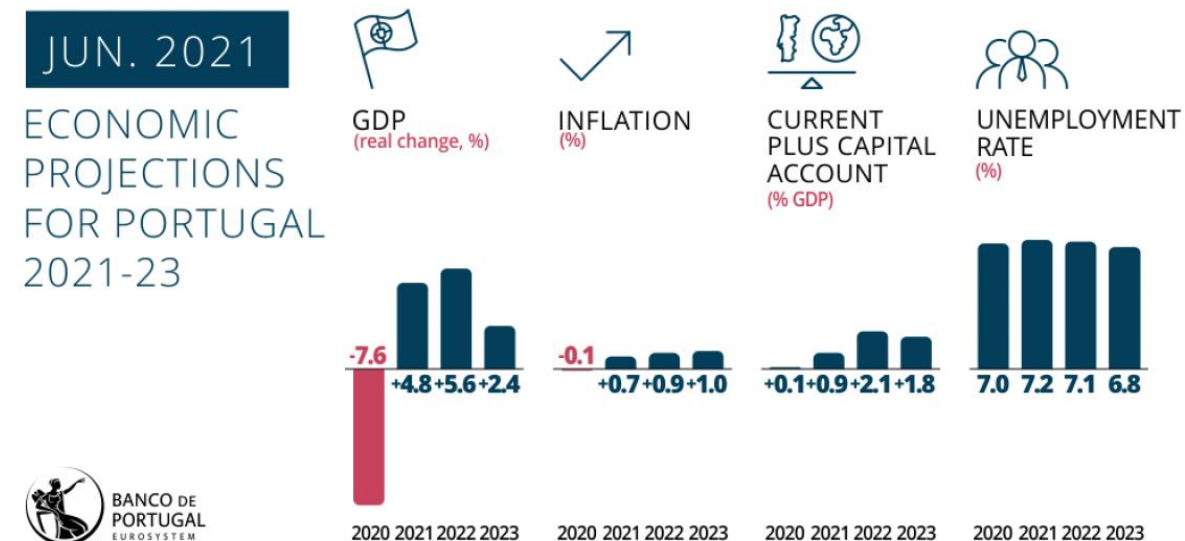
Economic Projections for Portugal

March 2021

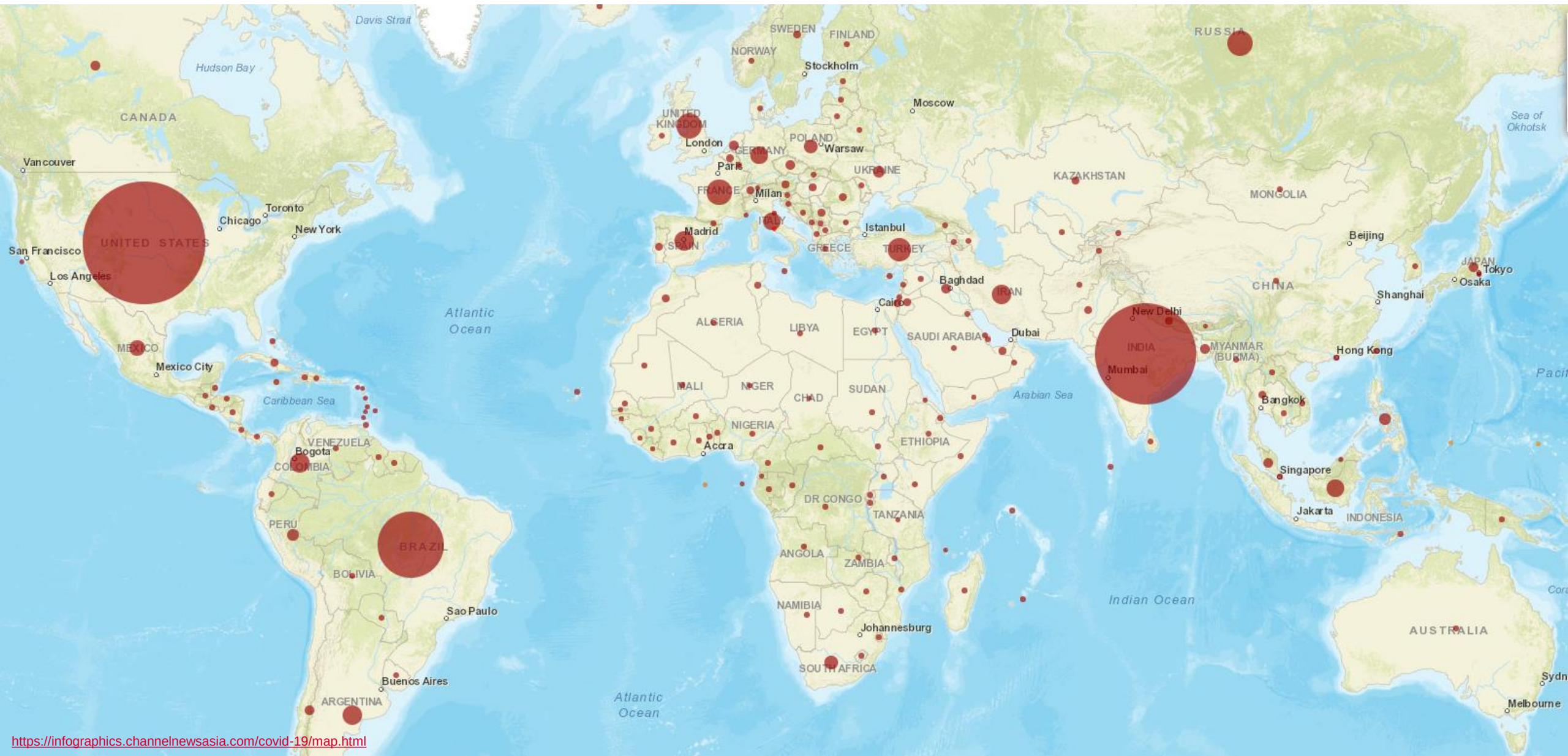


Source: Banco de Portugal

June 2021



Coronavirus Outbreak Worldwide



Where each vaccine is being used

Portugal

- Doses administered per 100 people: 144 (80)
- Total doses administered: 14,824,334 (6,840,510)
- Population Vaccinated: 85% (52%)
- Population Fully vaccinated : 75% (31%)

Ireland

- Doses administered per 100 people: 139 (74)
- Total doses administered: 6,853,648 (3,679,531)
- Population Vaccinated: 75% (48%)
- Population Fully vaccinated : 69% (20%)

USA

- Doses administered per 100 people: 112 (98)
- Total doses administered: 372,116,617 (324,414,371)
- Population Vaccinated: 62% (54%)
- Population Fully vaccinated : 53% (46%)

3 September 2021 (28 June 2021)

Source: The New York Times

Where each vaccine is being used

Oxford-AstraZeneca
184 COUNTRIES



Pfizer-BioNTech
124 COUNTRIES



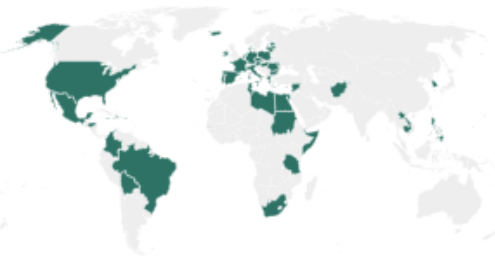
Moderna
71 COUNTRIES



Sinopharm-Beijing
68 COUNTRIES



Johnson&Johnson
48 COUNTRIES



Gamaleya (Sputnik V)
46 COUNTRIES



Sinovac
41 COUNTRIES



Bharat Biotech (Covaxin)
7 COUNTRIES



CanSino
5 COUNTRIES



Sinopharm-Wuhan
3 COUNTRIES



ZF2001
2 COUNTRIES



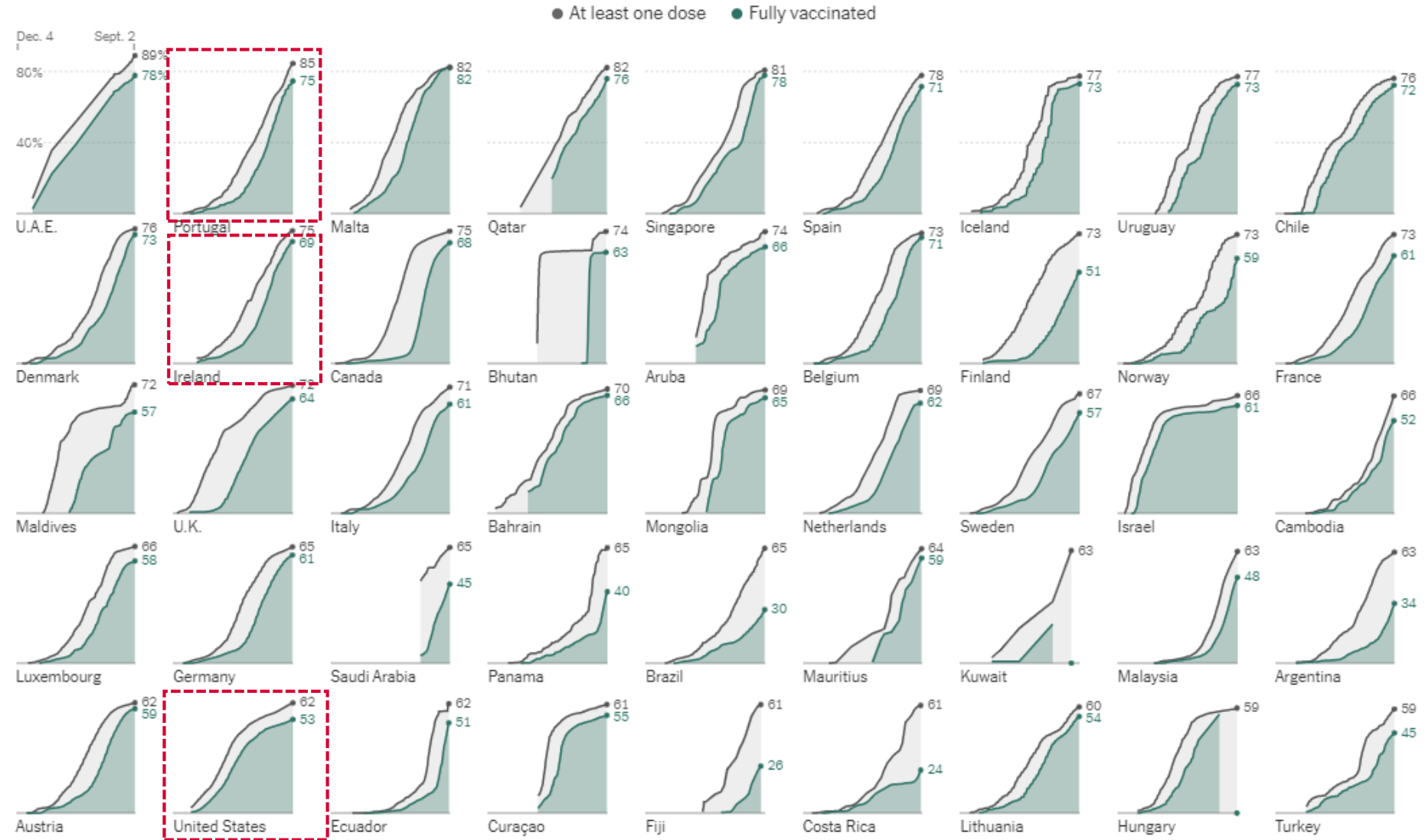
Vector Institute (EpiVacCorona)
2 COUNTRIES



Tracking vaccination rates by country

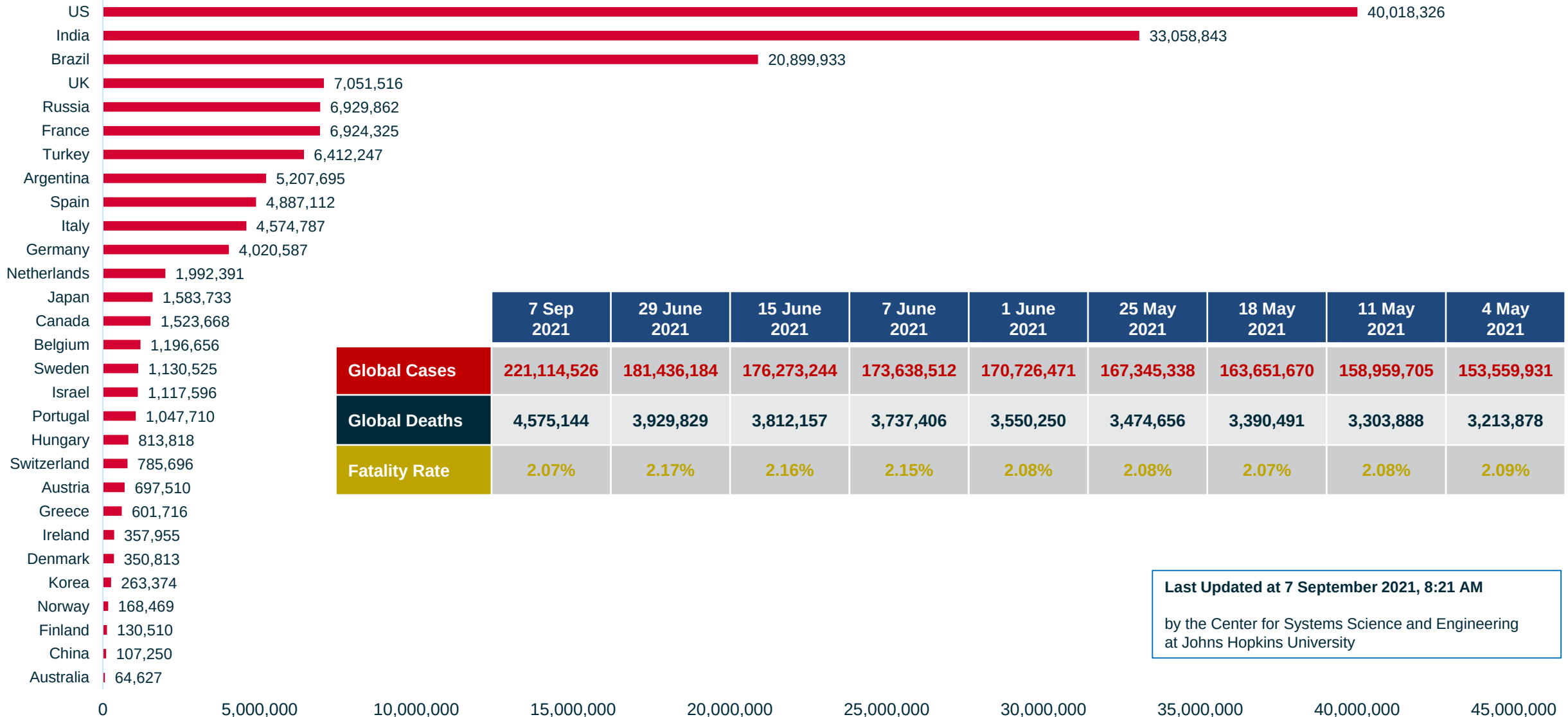
Share of Population Vaccinated

3 September 2021



Coronavirus (SARS-CoV-2 / Covid-19) – Confirmed cases by country

Note: Selected Countries, sorted by # of cases

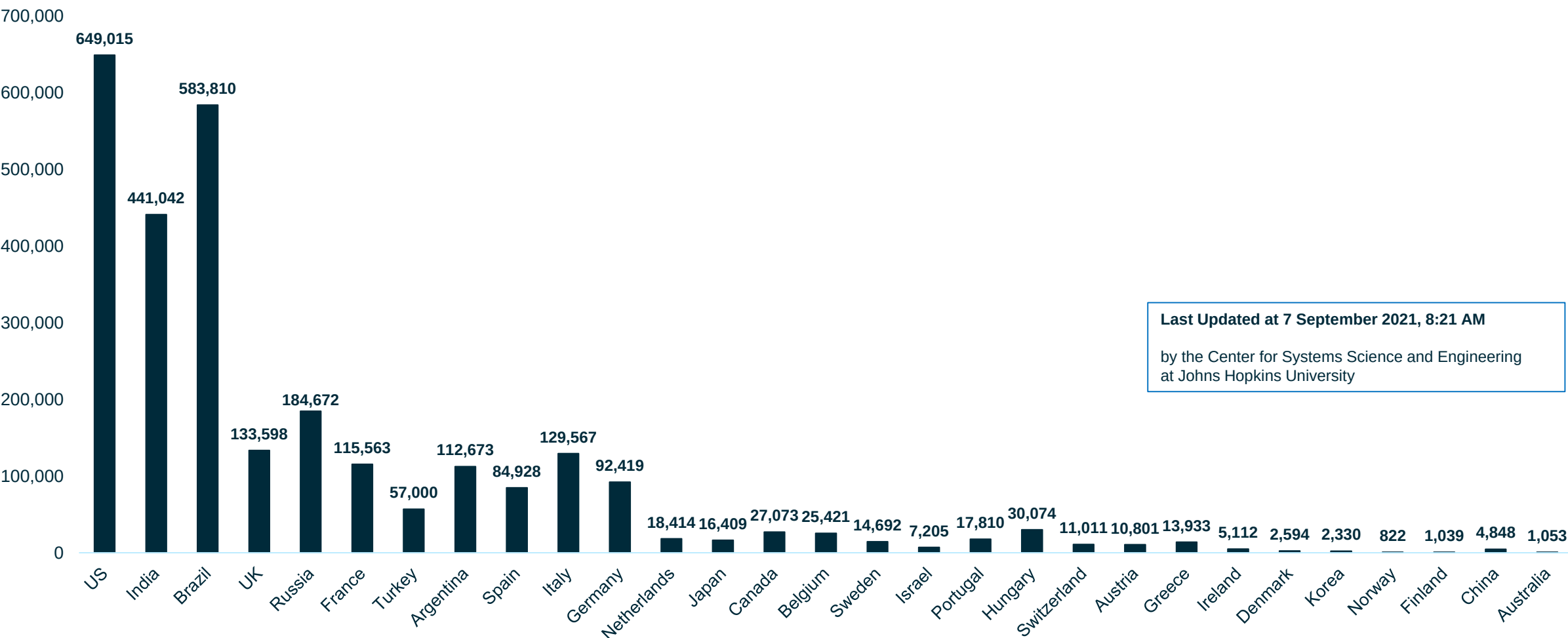


Last Updated at 7 September 2021, 8:21 AM

by the Center for Systems Science and Engineering
at Johns Hopkins University

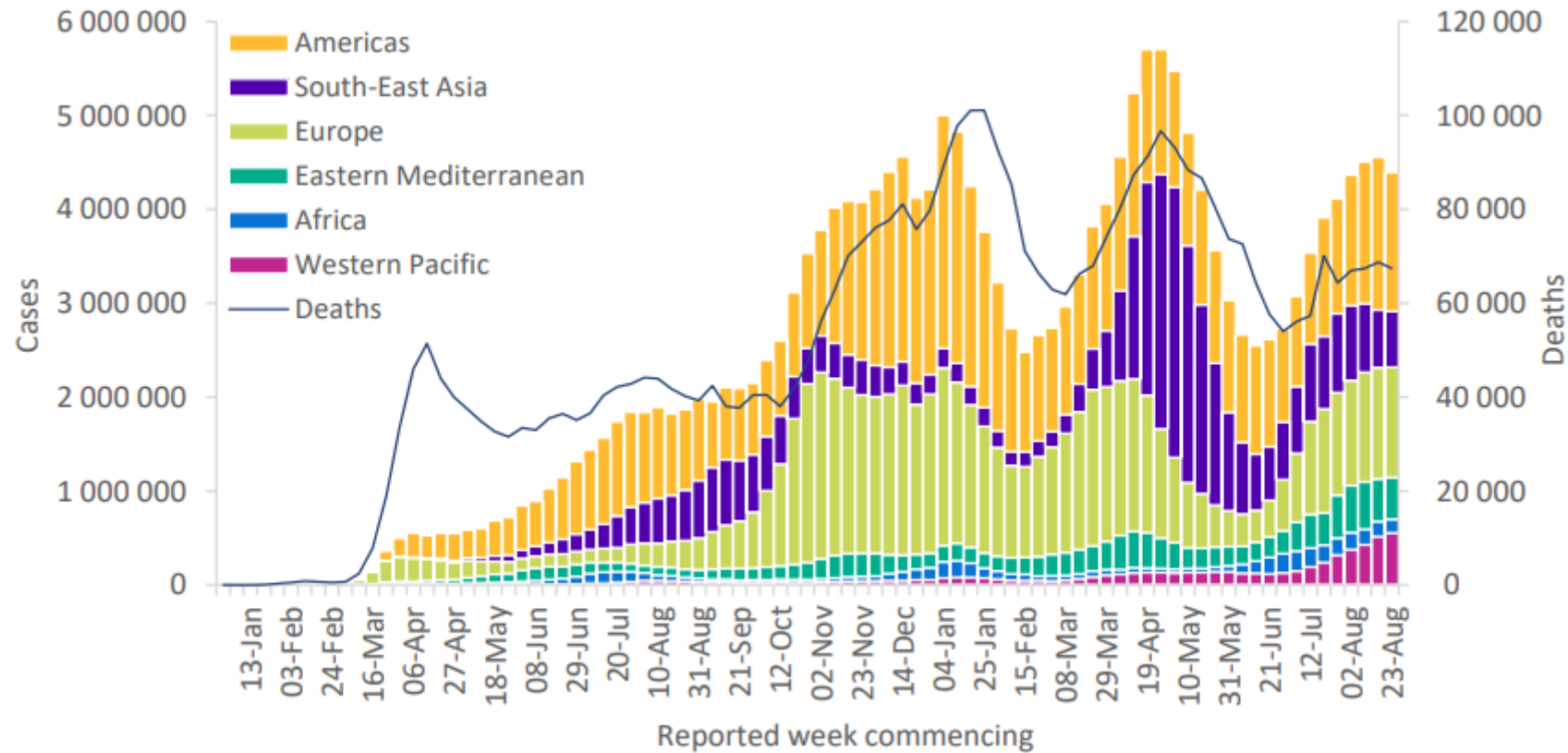
Coronavirus (SARS-CoV-2 / Covid-19) – Deaths by Country

Note: Selected Countries, sorted by # of cases



Source: <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

Number of COVID-19 cases reported weekly by WHO Region, and global deaths, as of 29 August 2021



Source: WHO

Latest Cases and Deaths by TOP 10 Countries – 5 September 2021

Total Cases	
1	USA
2	India
3	Brazil
4	United Kingdom
5	Russia
6	France
7	Turkey
8	Argentina
9	Iran
10	Colombia
35 (31)	Portugal

Cases in last 7 days	
1	USA
2	India
3	United Kingdom
4	Iran
5	Brazil
6	Malaysia
7	Russia
8	Philippines
9	Japan
10	Thailand
42 (26)	Portugal

Total Deaths	
1	USA
2	Brazil
3	India
4	Mexico
5	Peru
6	Russia
7	Indonesia
8	United Kingdom
9	Italy
10	Colombia
35 (32)	Portugal

Deaths in last 7 days	
1	USA
2	Russia
3	Mexico
4	Brazil
5	Iran
6	Indonesia
7	Vietnam
8	India
9	Malaysia
10	South Africa
59 (72)	Portugal

Total Cases per million people	
1	Bahrain
2	Czechia
3	Georgia
4	Slovenia
5	Israel
6	USA
7	Argentina
8	Serbia
9	Uruguay
10	Netherlands
18 (21)	Portugal

Cases in last 7 days per million people	
1	Mongolia
2	Israel
3	Georgia
4	Kosovo
5	Cuba
6	Malaysia
7	United Kingdom
8	West Bank and Gaza
9	Serbia
10	USA
38 (19)	Portugal

Total Deaths per million people	
1	Peru
2	Hungary
3	Bosnia and Herzegovina
4	North Macedonia
5	Czechia
6	Brazil
7	Bulgaria
8	Argentina
9	Colombia
10	Moldova
28 (24)	Portugal

Deaths in last 7 days per million people	
1	Georgia
2	Kosovo
3	North Macedonia
4	Malaysia
5	Sri Lanka
6	Eswatini
7	Kazakhstan
8	Cuba
9	Iran
10	Bulgaria
61 (64)	Portugal

Latest News

- US: Three doses of Covid-19 vaccine may become the standard regimen for most people, White House chief medical adviser Anthony Fauci said at a briefing Thursday. A study in Israel showed dramatic improvement in protection among recipients of three doses of the vaccine from Pfizer Inc. and BioNTech SE, normally given in two doses, Fauci said. If the gains last, “you’re going to have very likely a three-dose regimen being the routine regimen,” he said. The durability of immunity will need to be confirmed when data are presented to the Food and Drug Administration, Fauci added.
- AstraZeneca (AZ) has reached a settlement with the European Commission that confirms the delivery of Vaxzevria vaccine doses to the continent and resolves the ongoing legal proceedings that the bloc had started against the company. The agreement will see AZ deliver 60 million vaccine doses by the end of Q3 2021, 75 million by the end of Q4 2021 and 65 million by the end of Q1 2022. The company will provide regular delivery schedules to EU member states and will issue capped rebates if any deliveries are delayed. The deal has ended the Commission’s legal proceedings against AZ, which were due to go to court at the end of September.
- Pfizer has commenced dosing in a pivotal randomised, double-blind Phase II/III clinical trial of its oral antiviral drug, PF-07321332, to treat Covid-19 in non-hospitalised patients who are at low risk of severe disease. The drug is a protease inhibitor developed to hinder the activity of the main protease enzyme that SARS-CoV-2 requires for replication.
- Moderna has started its submission to the US Food and Drug Administration seeking authorisation for a booster shot of its Covid-19 vaccine, mRNA-1273, at the 50µg dose. The filing is backed by data demonstrating strong antibody responses against the SARS-CoV-2 Delta variant, the company said. These data will also be submitted to the European Medicines Agency and other global regulatory authorities soon.
- Moderna’s Covid vaccine generated more than double the antibodies of a similar shot made by Pfizer and BioNTech in research that compared immune responses evoked by the two inoculations. The study is one of the first to compare levels of antibodies produced by the two vaccines, which are thought to be one of the important components of the immune response. It didn’t examine whether the antibody differences led to a difference in efficacy over time between the two shots, which both were more than 90% effective in final-stage clinical trials.

Sources

- https://en.wikipedia.org/wiki/Timeline_of_the_2019%E2%80%9320_Wuhan_coronavirus_outbreak
- <https://www.seattletimes.com/seattle-news/health/coronavirus-timeline-how-the-outbreak-unfolded/>
- <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>
- <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports>
- <https://www.pharmaceutical-technology.com/news/coronavirus-a-timeline-of-how-the-deadly-outbreak-evolved/>
- <https://www.cphi-online.com/updated-covid19-pharma-tracker-news082415.html>
- <https://www.dgs.pt/em-destaque.aspx>

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