

SCIENTIFIC RESEARCH MONITORING ON COVID-19

30 DECEMBER 2020

For accessing the full series of published scientific reports please visit the following link:
<https://www.doh.gov.ae/ar/covid-19/Healthcare-Professionals/Scientific-Publication>

SCIENTIFIC RESEARCH MONITORING ON COVID-19

(ISSUE 330)

Abu Dhabi Public Health Center (ADPHC) is gathering the latest scientific research updates and trends on coronavirus disease (COVID-19) in a daily report. The report provides summaries on breakthrough or updated research on COVID-19 to allow health care professionals and public health professionals get easy and fast access to information.

Click on icon to view content



Research

No Update



Statistics



Articles

Summary

Note : All articles presented in this report represent the authors' views and not necessarily represents Abu Dhabi Public Health Center views or directions. Due the nature of daily posting , some minor language errors are expected.

For further inquiries you may communicate with us as PHR@adphc.gov.ae

RESEARCH UPDATES

The views and opinions expressed in this report are those of the authors and do not reflect the official policy or position of the Abu Dhabi Public Health Center (ADPHC).

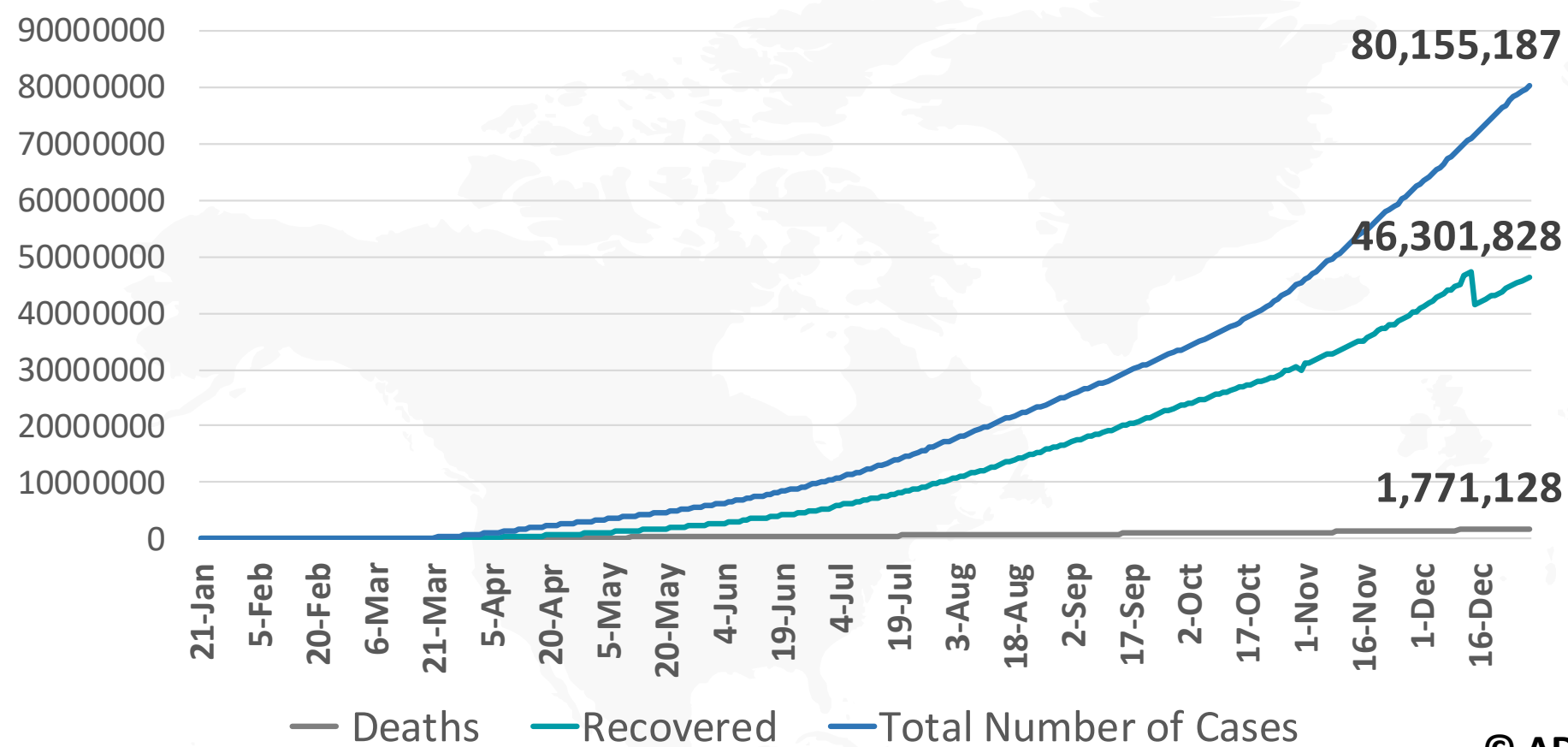
Click on icon to view content

**Public health
response**

**New Update on the New UK
variant
“Varian of Concern”**



Figure 1: Total Number of Infected, Recovered, and Death Cases



© ADPHC 2020

Note: the number of recovered cases in 31st October rechecked from 30 million to 29 million, and in 15th December rechecked from 47 million to 41 million in Johns Hopkins website

Figure 3: Total Number of Death Due to COVID-19 (china and result of the world)

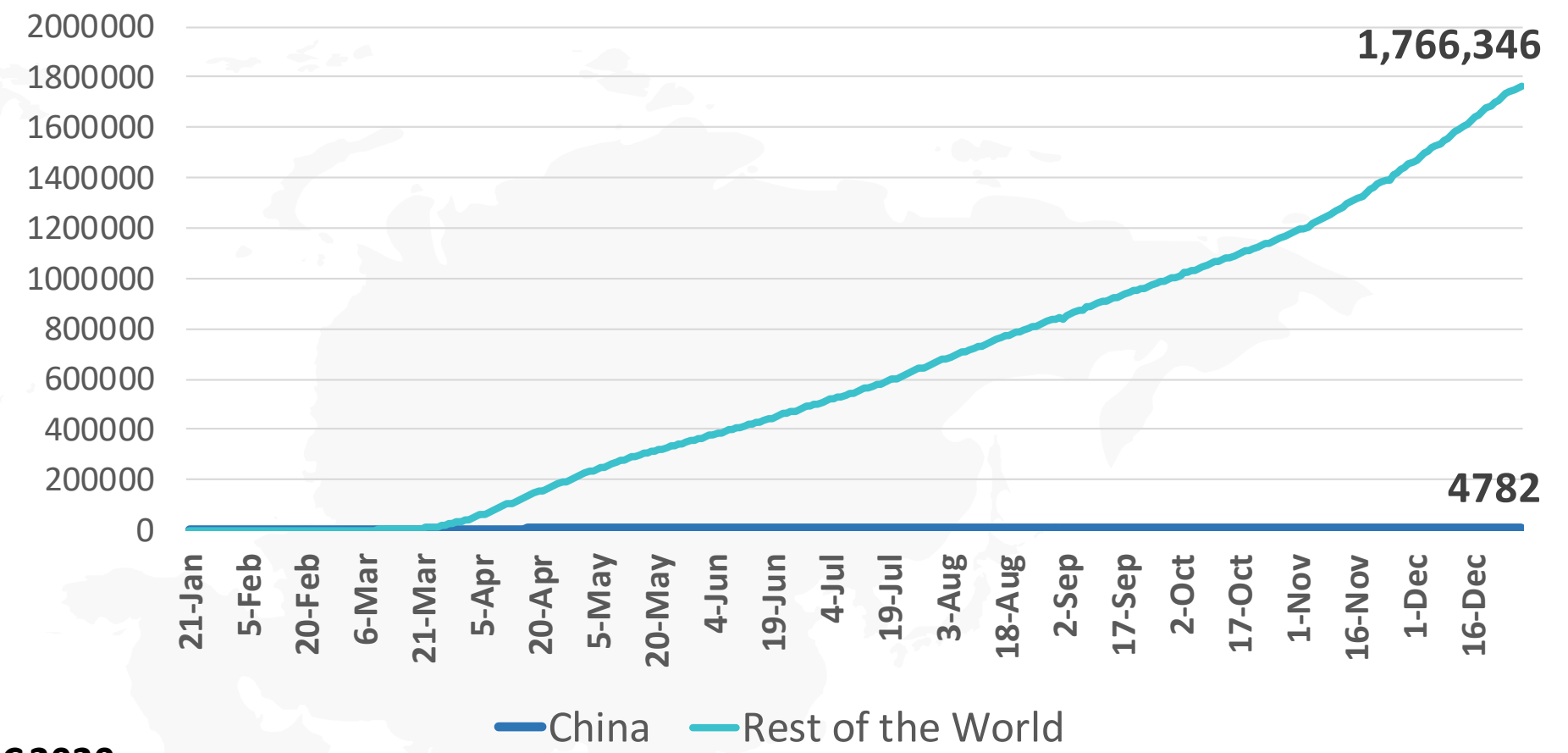


Figure 2: Daily New Infected COVID-19 Cases (China and rest of the world)

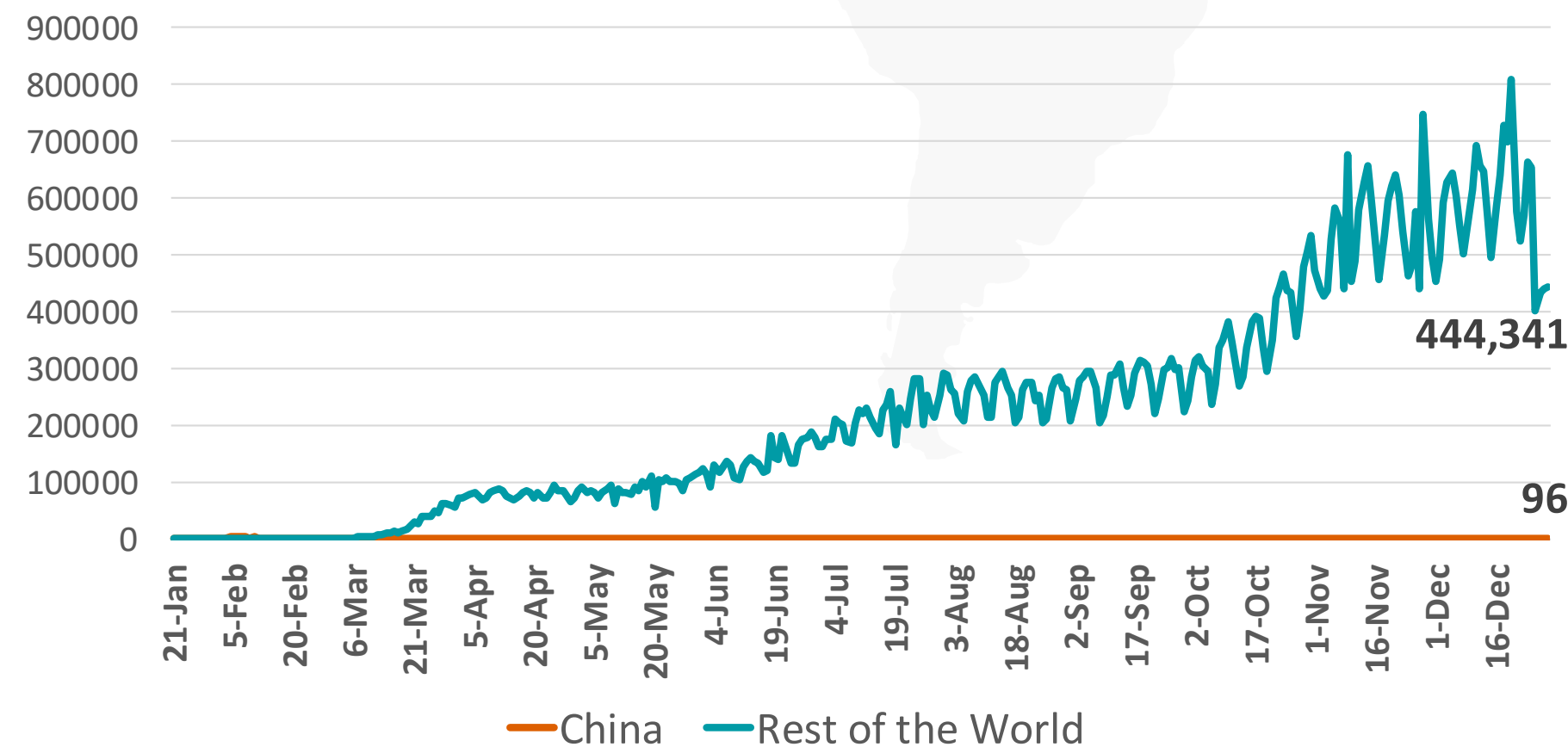


Figure 4: Global Daily New Deaths Due to COVID-19

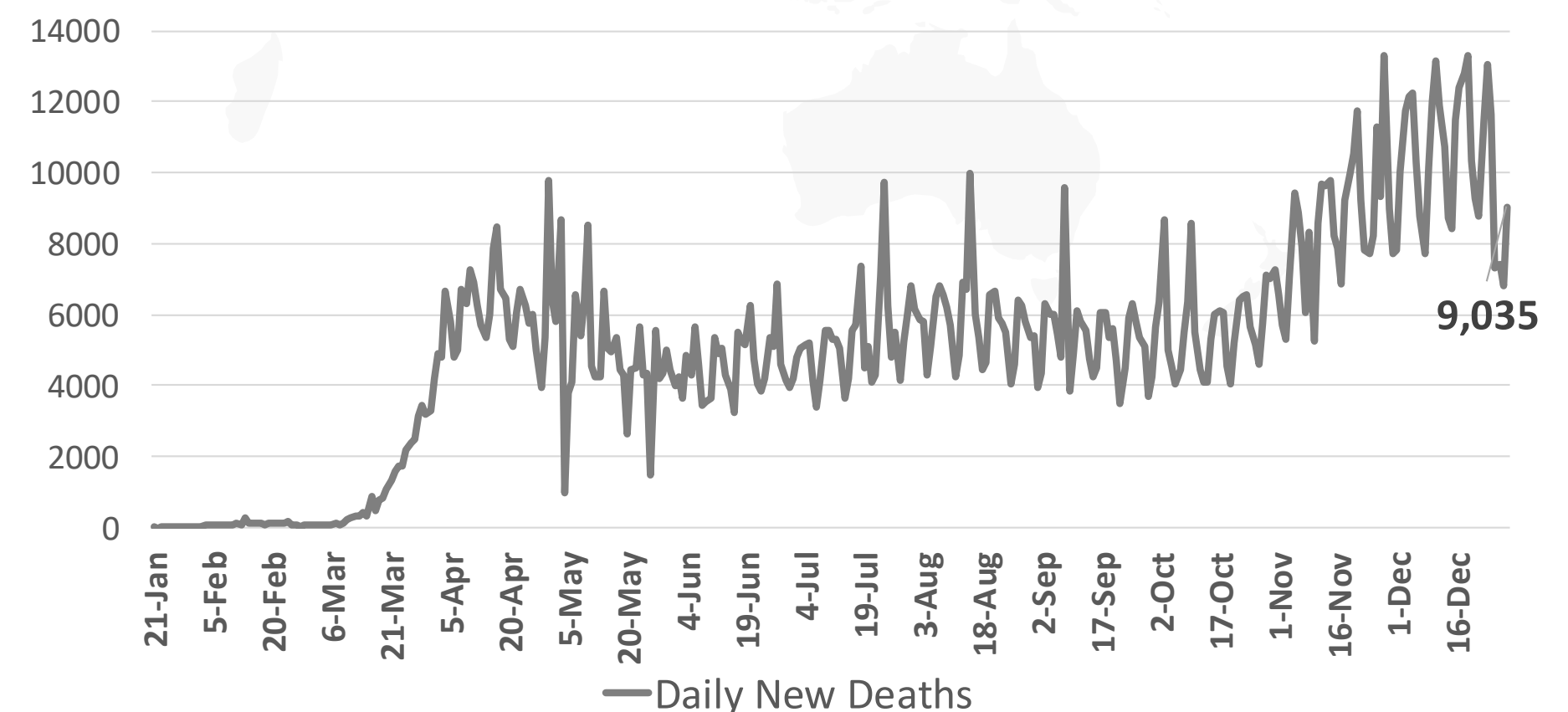
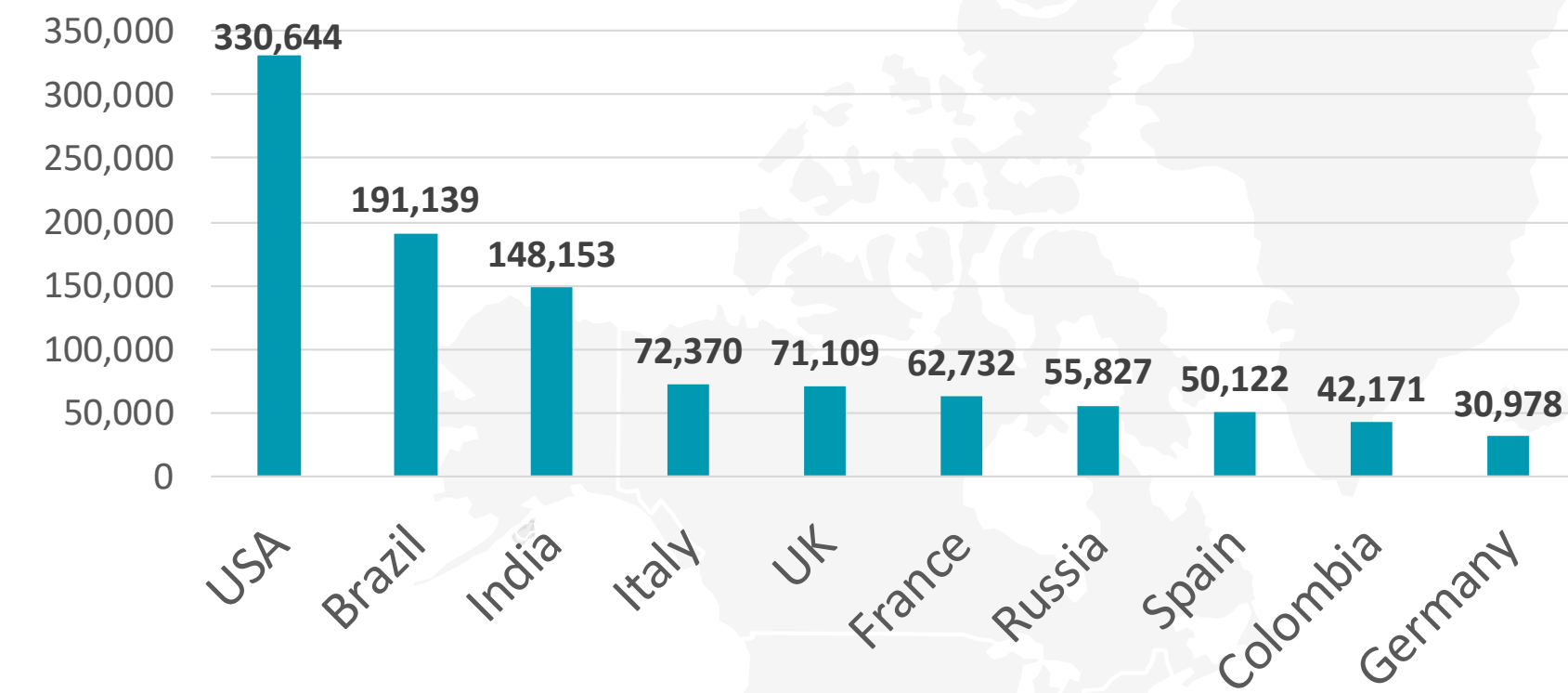
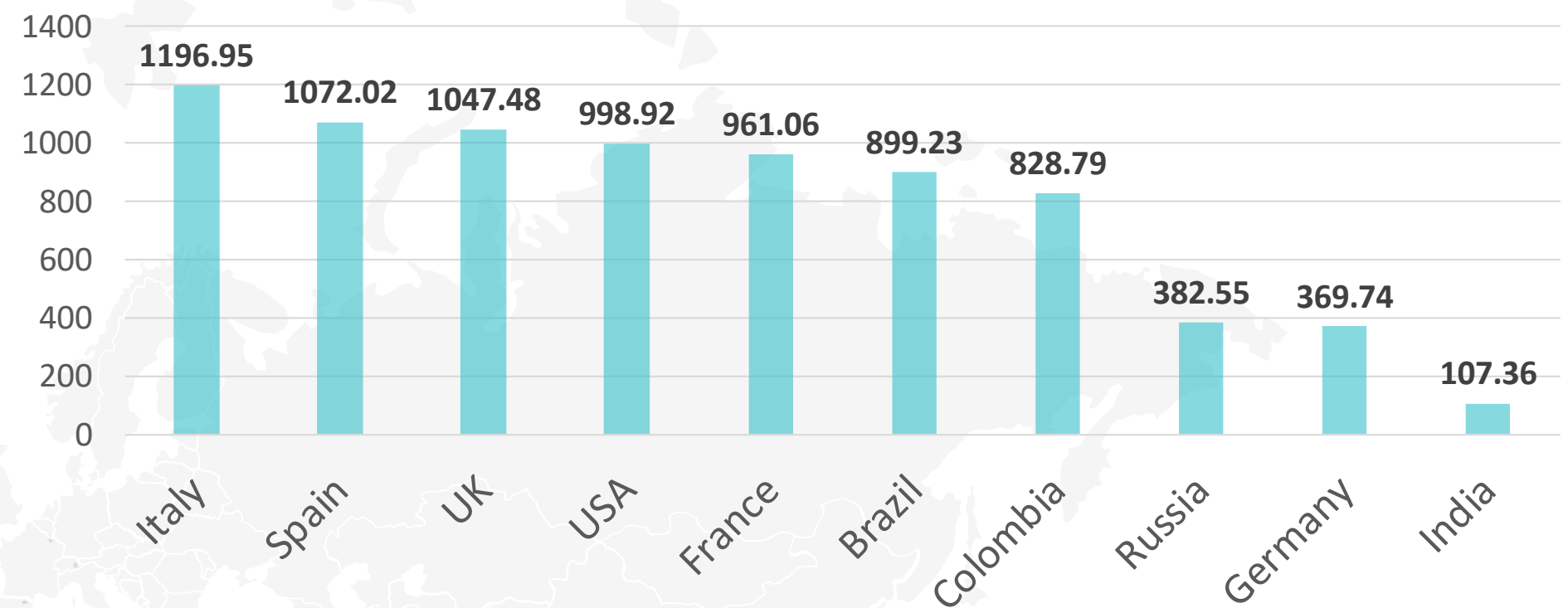


Figure 5: Top 10 Countries in the Total Number of Cases Due to COVID-19

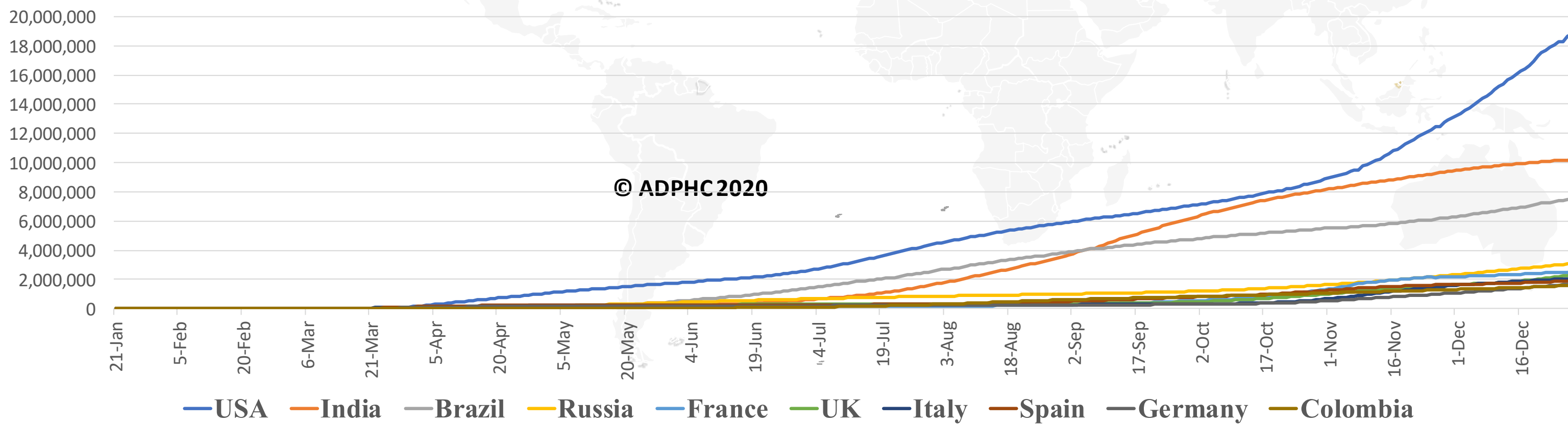
TOTAL DEATHS



DEATHS PER MILLION



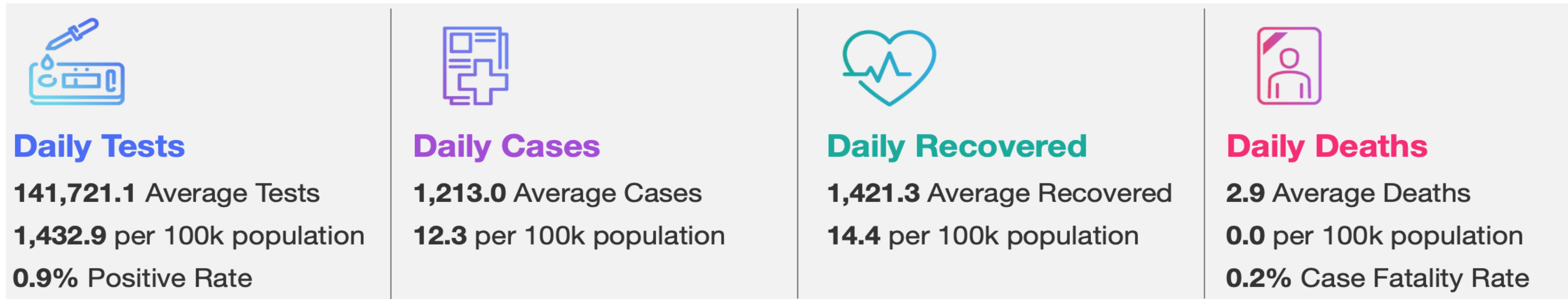
TOTAL INFECTED CASES



USA	18,972,813
India	10,224,303
Brazil	7,484,285
Russia	3,105,037
France	2,519,105
UK	2,329,734
Italy	2,056,277
Spain	1,879,413
Germany	1,664,726
Colombia	1,594,497



Figure 6: COVID-19 Status in the UAE (Federal Competitiveness and Statistics Authority Dashboard)



TOTAL NUMBER OF INFECTED AND RECOVERED CASES DUE TO COVID-19 REPORTED BY THE UAE

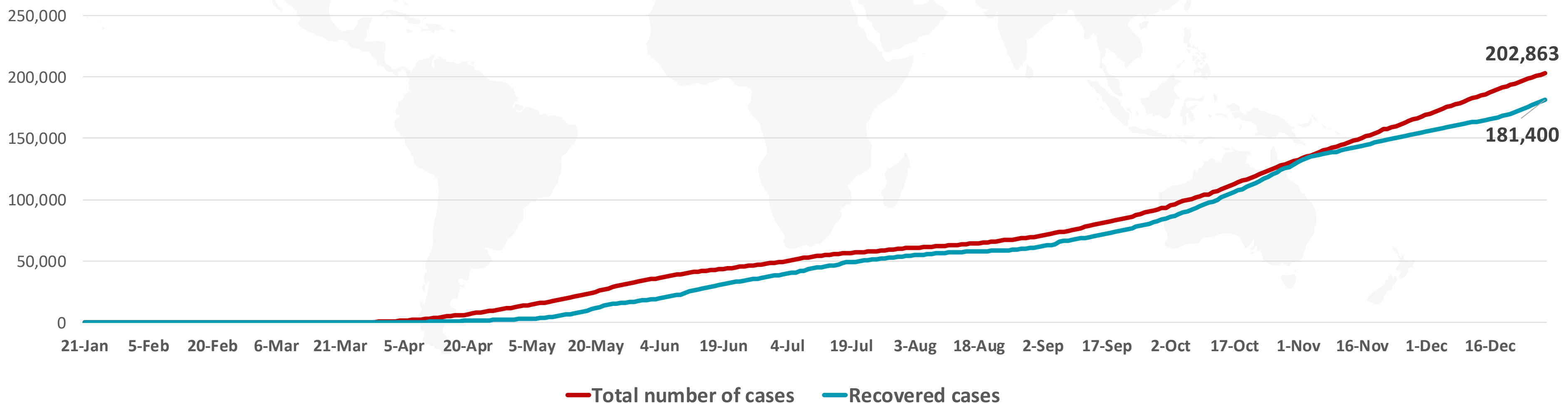
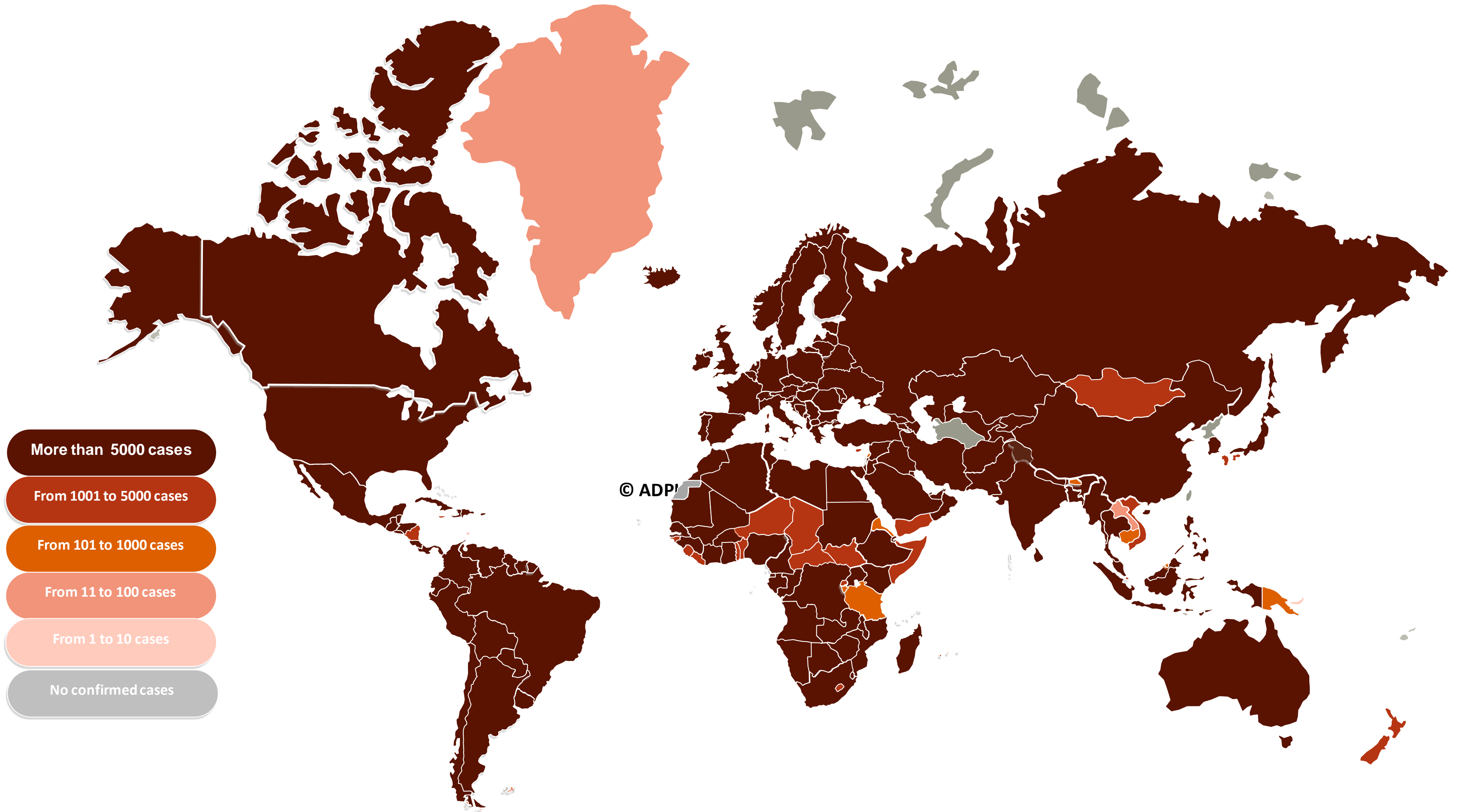


Figure 7A : Global Distribution of COVID-19 Cases



More than 5000 cases

From 1001 to 5000 cases

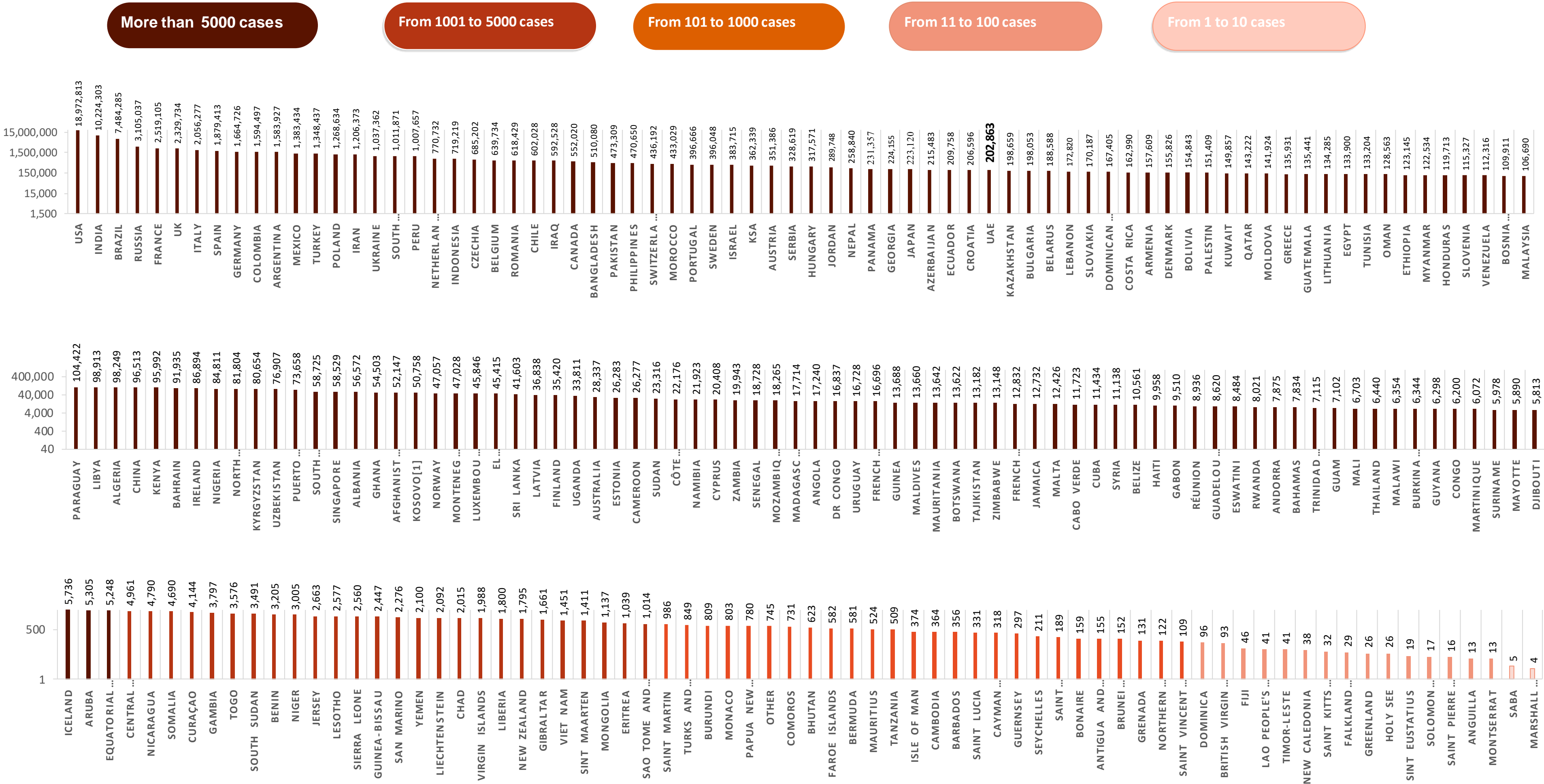
From 101 to 1000 cases

From 11 to 100 cases

From 1 to 10 cases

No confirmed cases

Figure 7B: Bar Chart Illustrates the Global Distribution of COVID19 Cases



Other*: includes cases and deaths reported under the international conveyance (Diamond Princess)

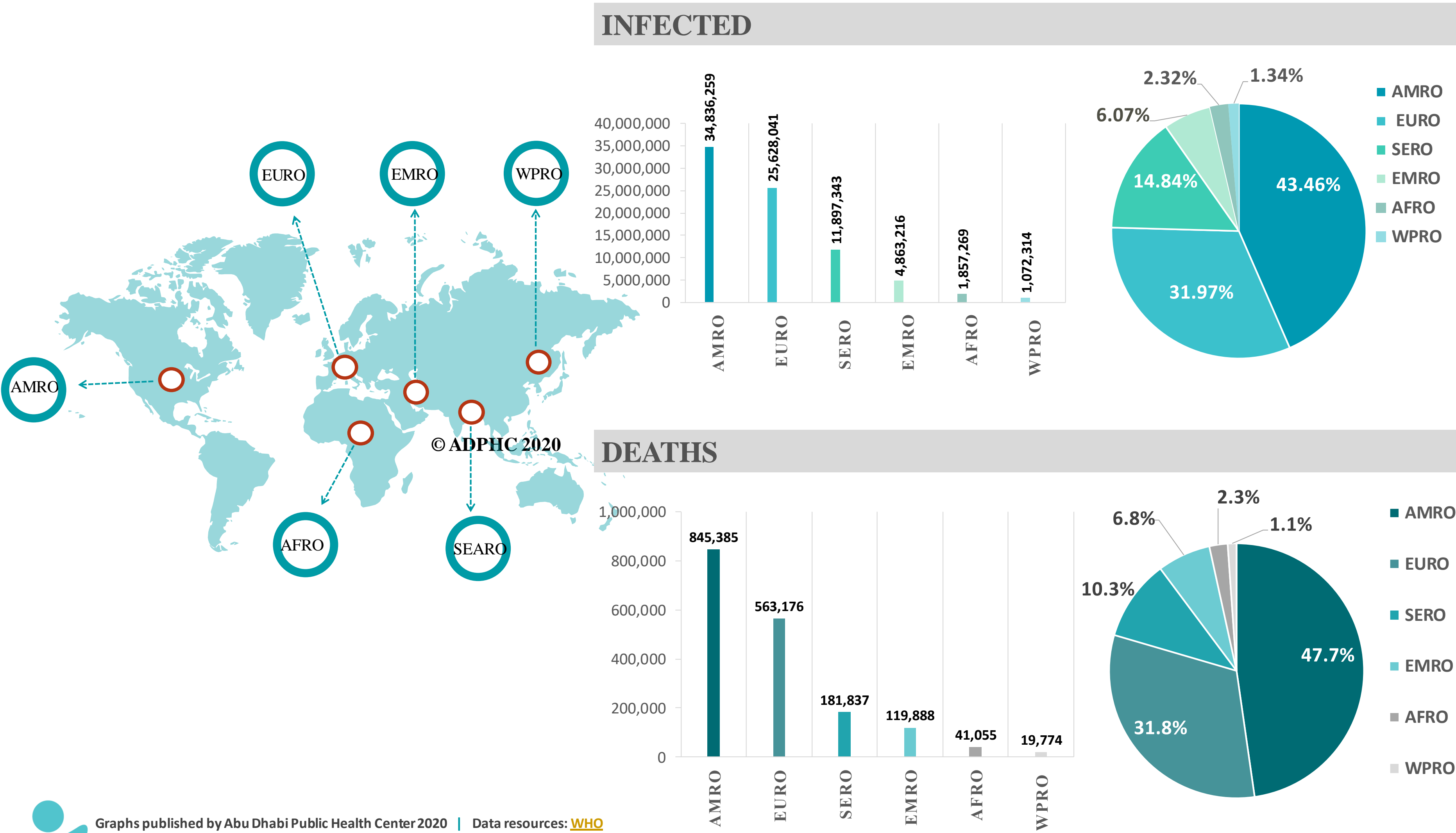
Graphs published by Abu Dhabi Public Health Center 2020 | Data resources: [WHO](#)

© ADPHC 2020

This document was developed by Abu Dhabi Public Health Center - ADPHC. The property is and shall remain the property of ADPHC and may only be used for the purposes for which it was intended. Unauthorized use or reproduction of this document is prohibited.

مركز أبوظبي للصحة العامة © 2020
هذه الوثيقة مملوكة لمركز أبوظبي للصحة العامة، ولا يجوز استخدامها لغير الأغراض المخصصة لها. ويحظر استخدام أو إعادة إنتاج هذه الوثيقة بدون إذن

Figure 8: Global Distribution of COVID-19 Cases per Region



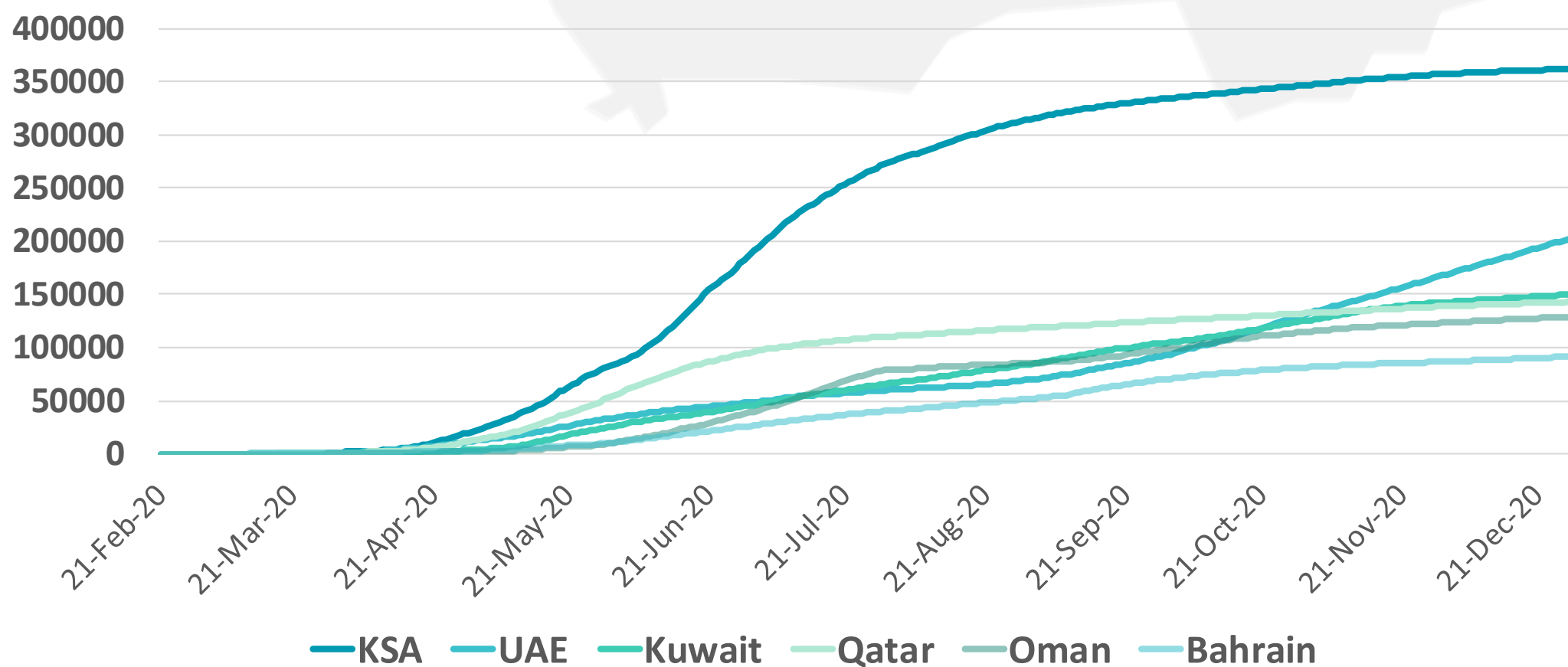
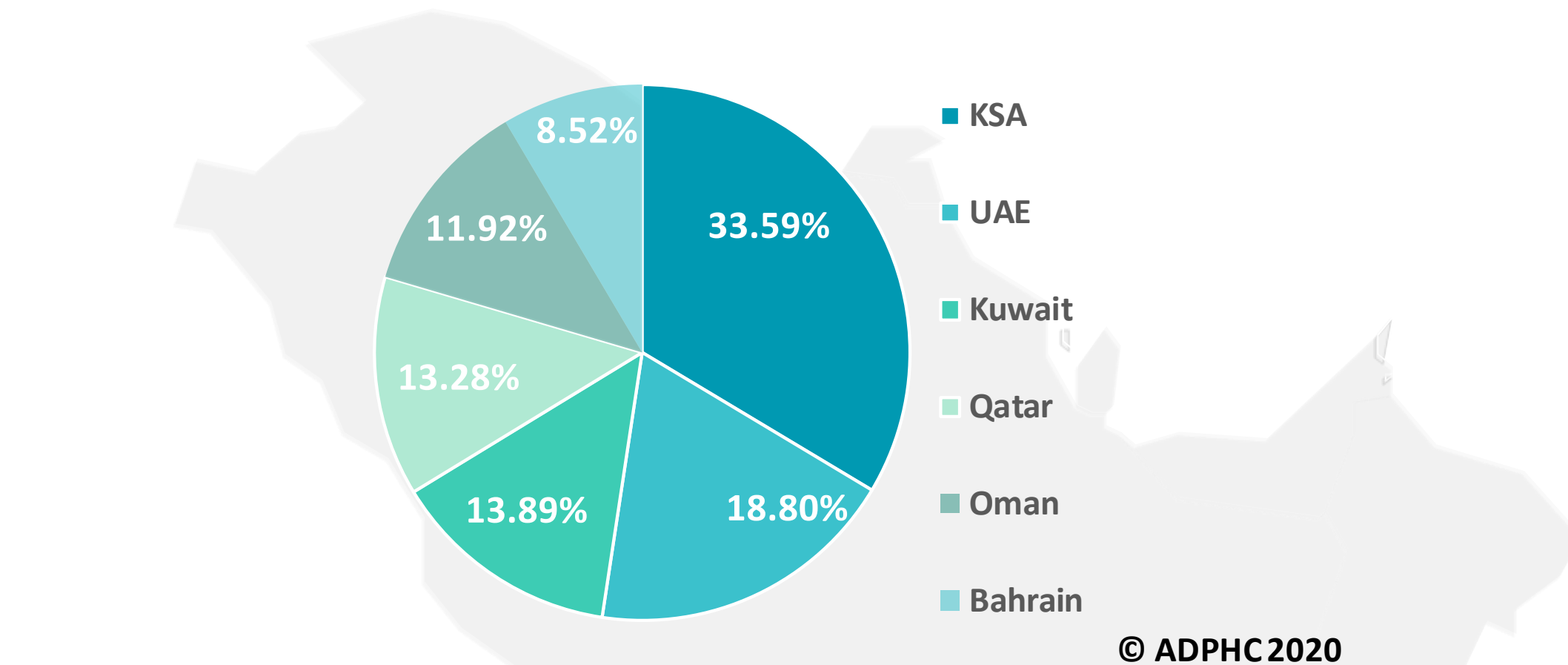
Graphs published by Abu Dhabi Public Health Center 2020 | Data resources: [WHO](#)

© ADPHC 2020
This document was developed by Abu Dhabi Public Health Center - ADPHC. The document is and shall remain the property of ADPHC and may only be used for the purposes for which it was intended. Unauthorized use or reproduction of this document is prohibited.

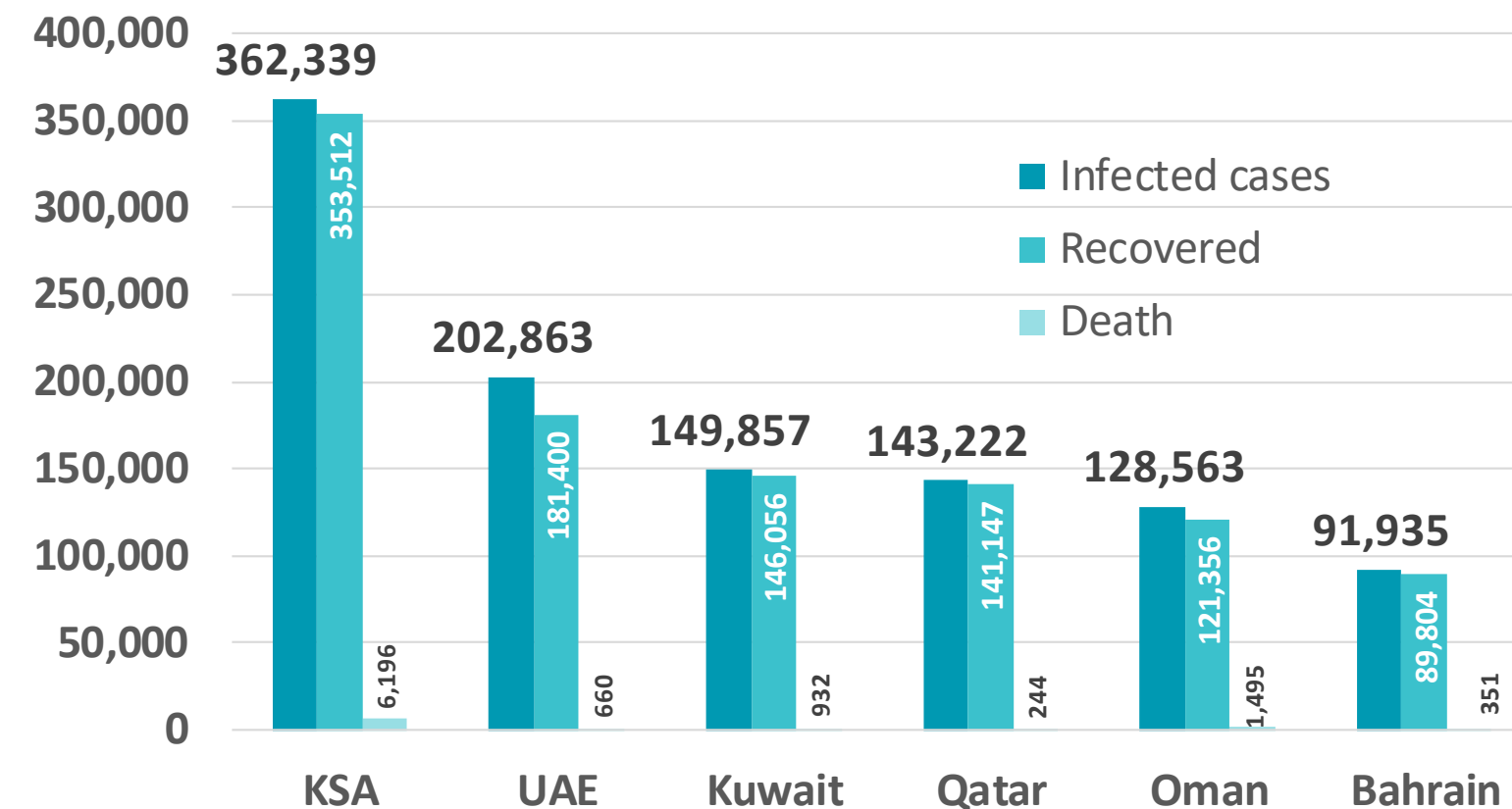
مركز أبوظبي للصحة العامة 2020 ©
هذه الوثيقة مملوكة لمركز أبوظبي للصحة العامة، ولا يجوز استخدامها لغير الأغراض المخصصة لها. ويحظر استخدام أو إعادة إنتاج هذه الوثيقة بدون إذن

Figure 9: Comparative Analysis of the Distribution of COVID-19 Cases in GCC Countries

TOTAL NUMBER OF INFECTED CASES



TOTAL NUMBER OF INFECTED, RECOVERED AND DEATHS



DEATHS PER MILLION

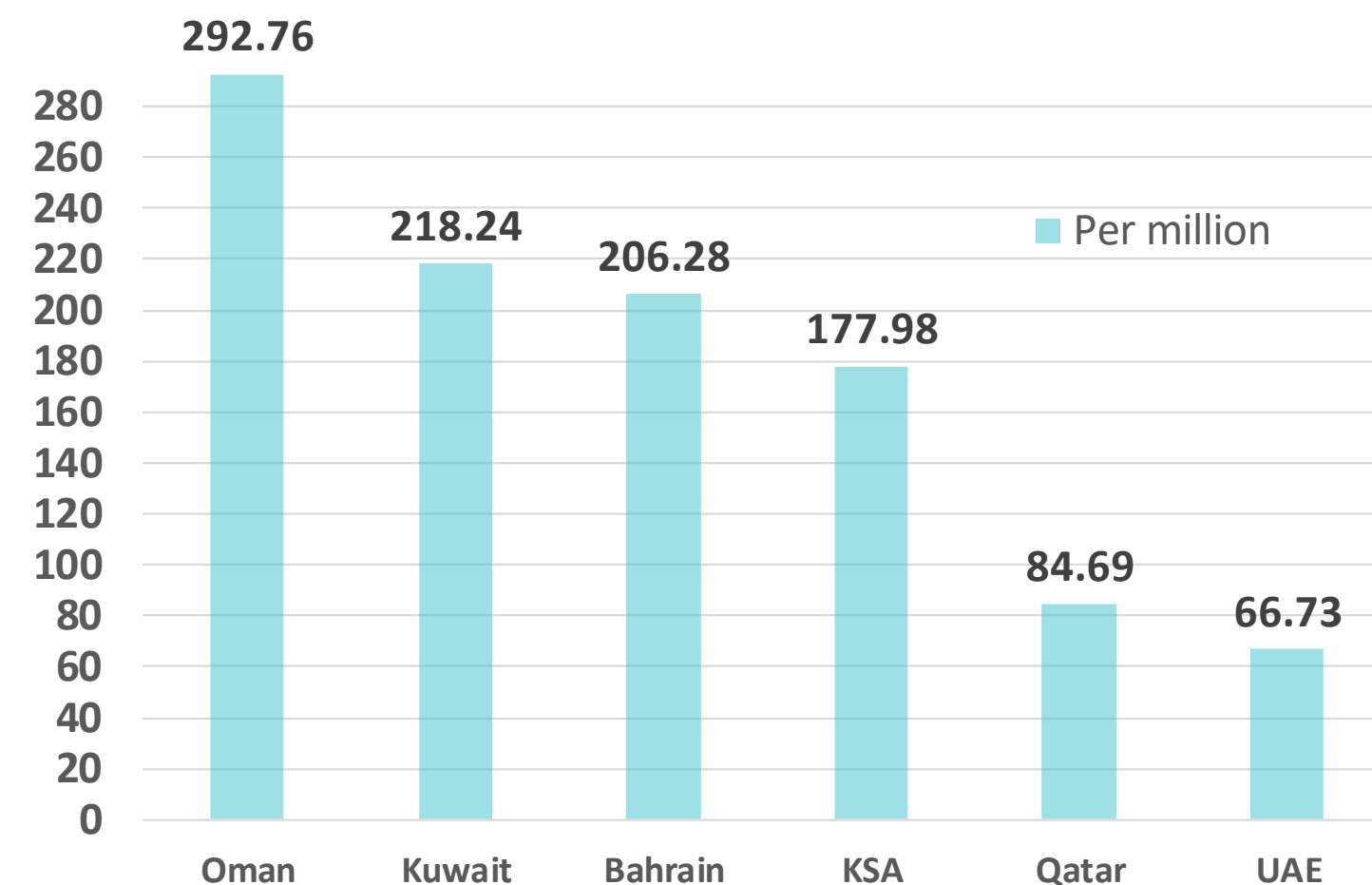
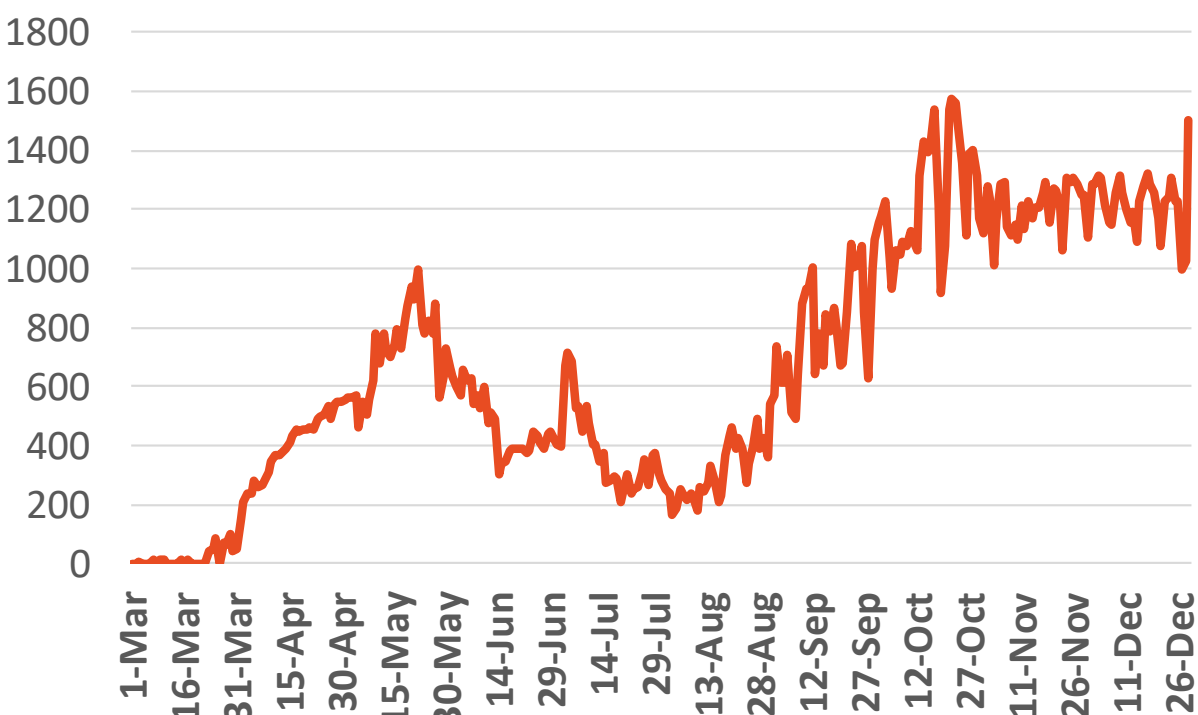


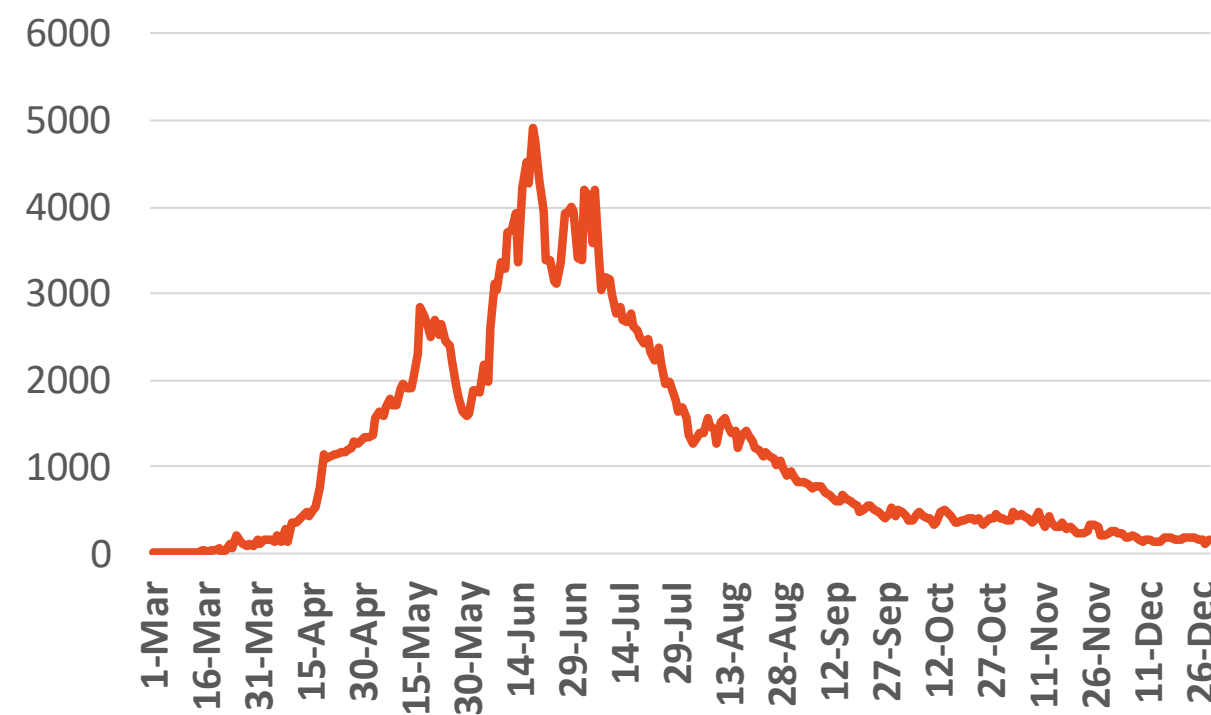
Figure 10: Comparative Analysis of the Distribution of COVID-19 New Cases in GCC Countries

UAE



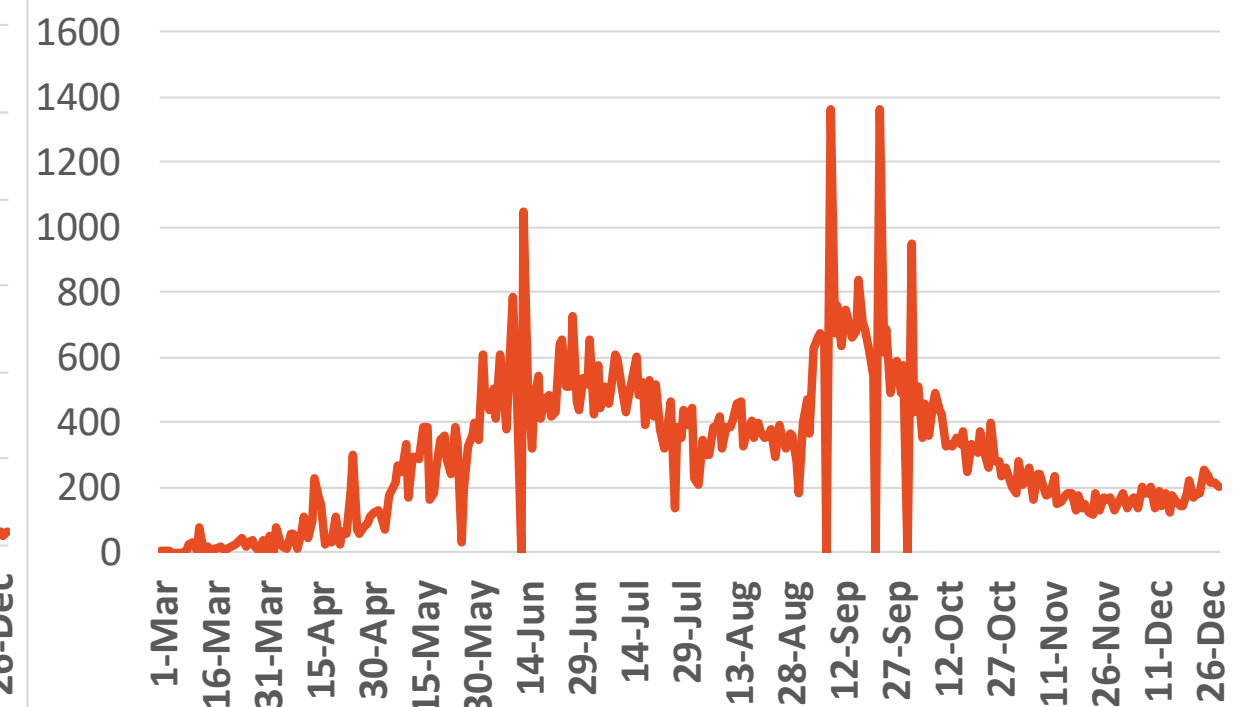
Source : National Emergency Crisis and Disaster Management Authority

KSA



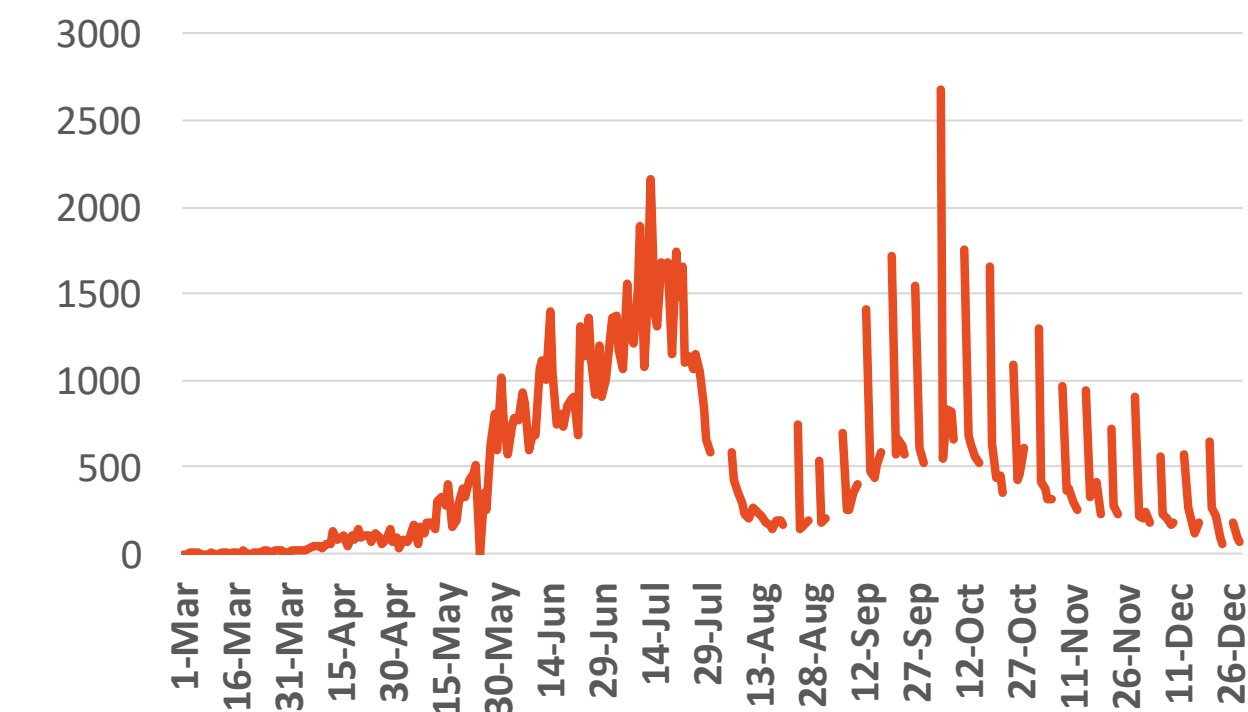
Source : KSA ministry of health

Bahrain



Source :WHO

Oman

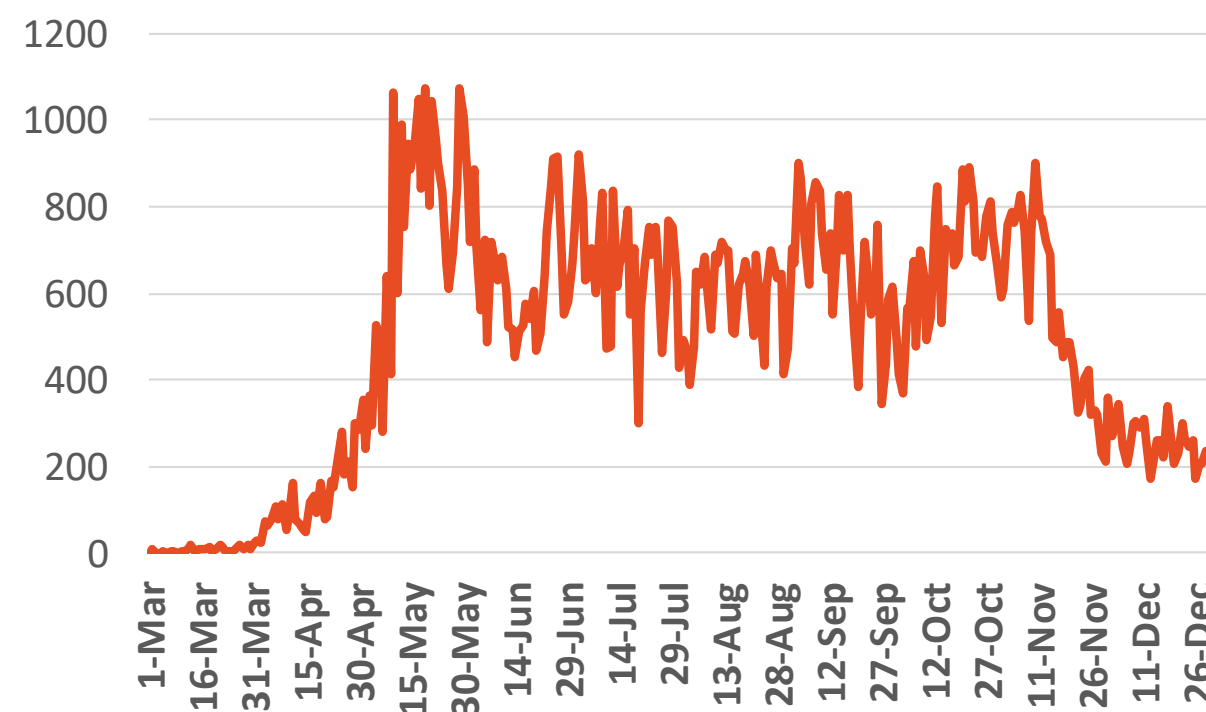


Source :Oman ministry of health

*No announced statistic data from 31 JUL to 4 AUG, 21,23,28,30 AUG 2,4 5,11,12,18,19,25,26,30 SEP,1,2,9,10,16,17,23,24,30,21 OCT, 6,7,13,14,17,20,21, 27,28 NOV,4,5,11,12,18,19,25,29 DEC
*No announced statistic data on weekends and official holidays.

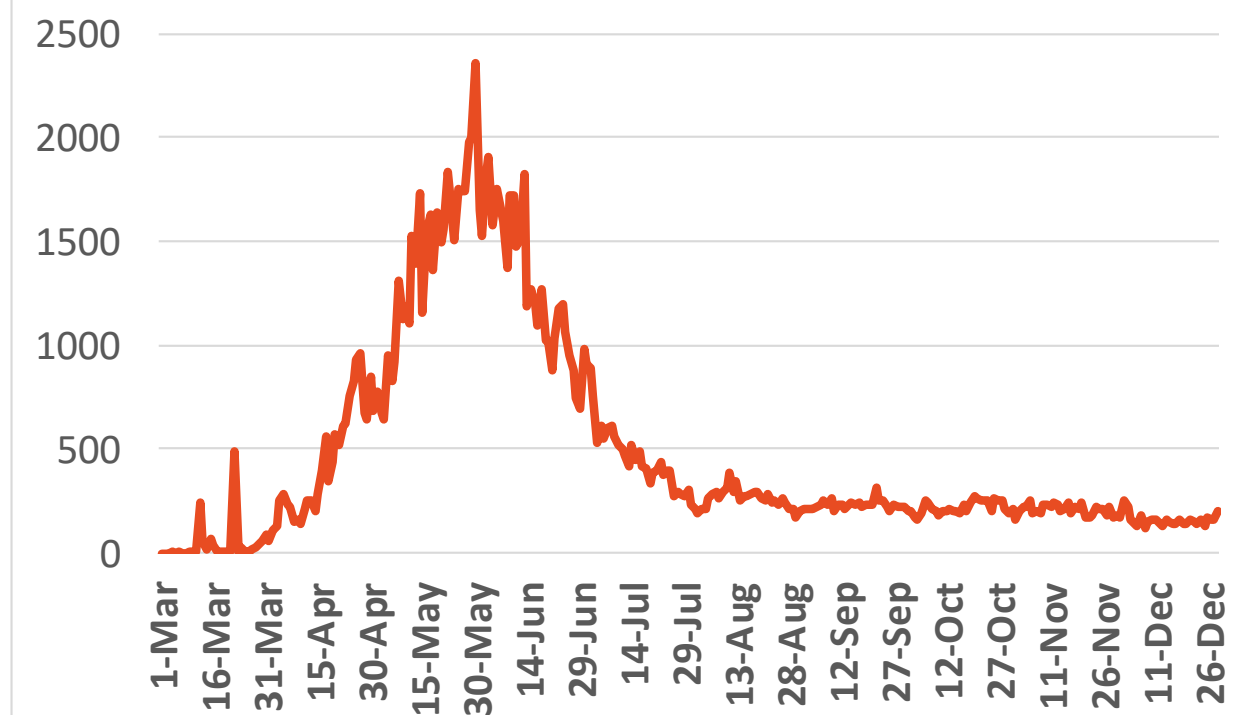
© ADPHC 2020

Kuwait



Source : Kuwait ministry of health

Qatar



Source : Qatar ministry of health

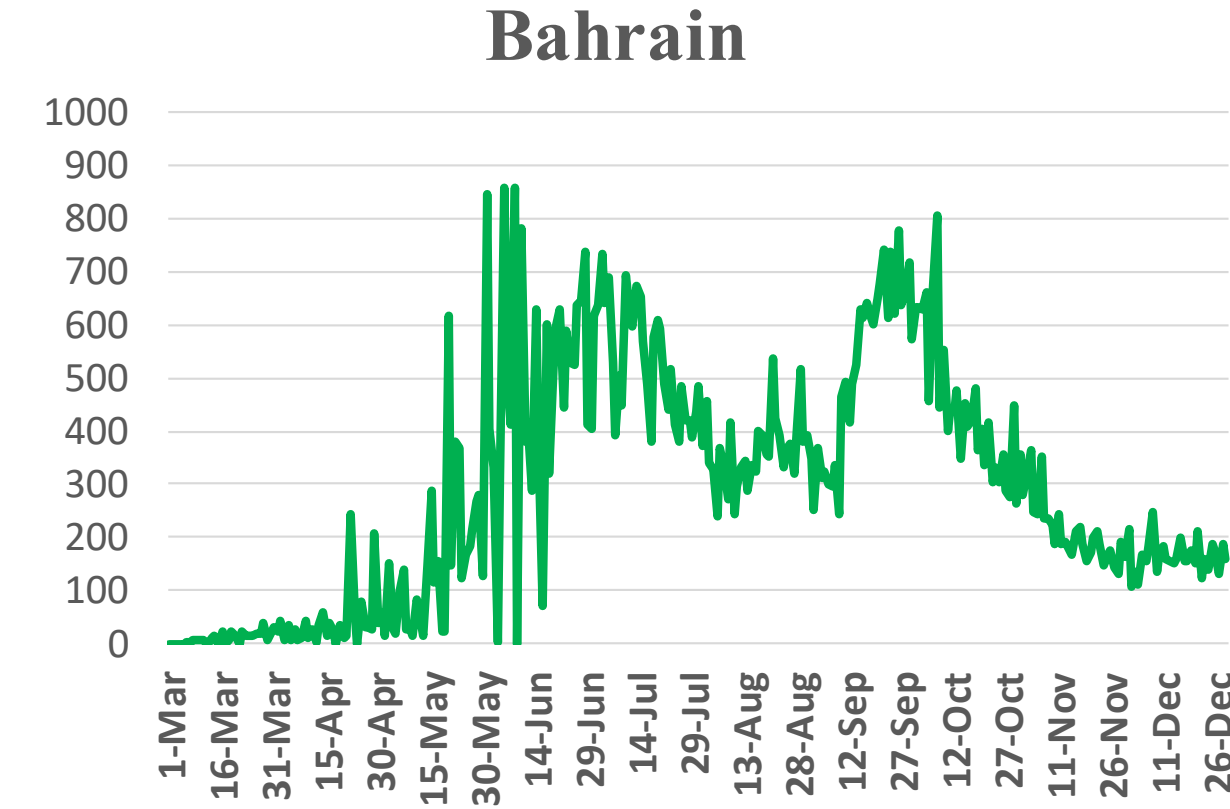
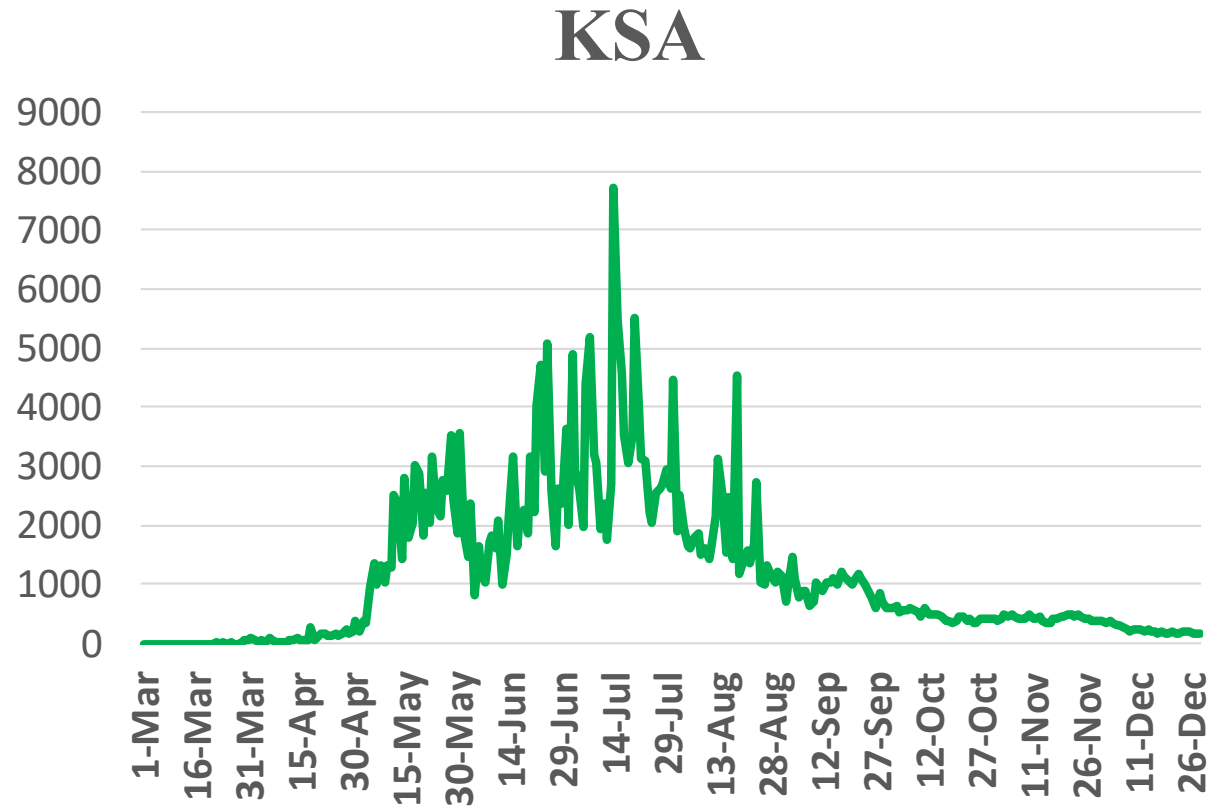
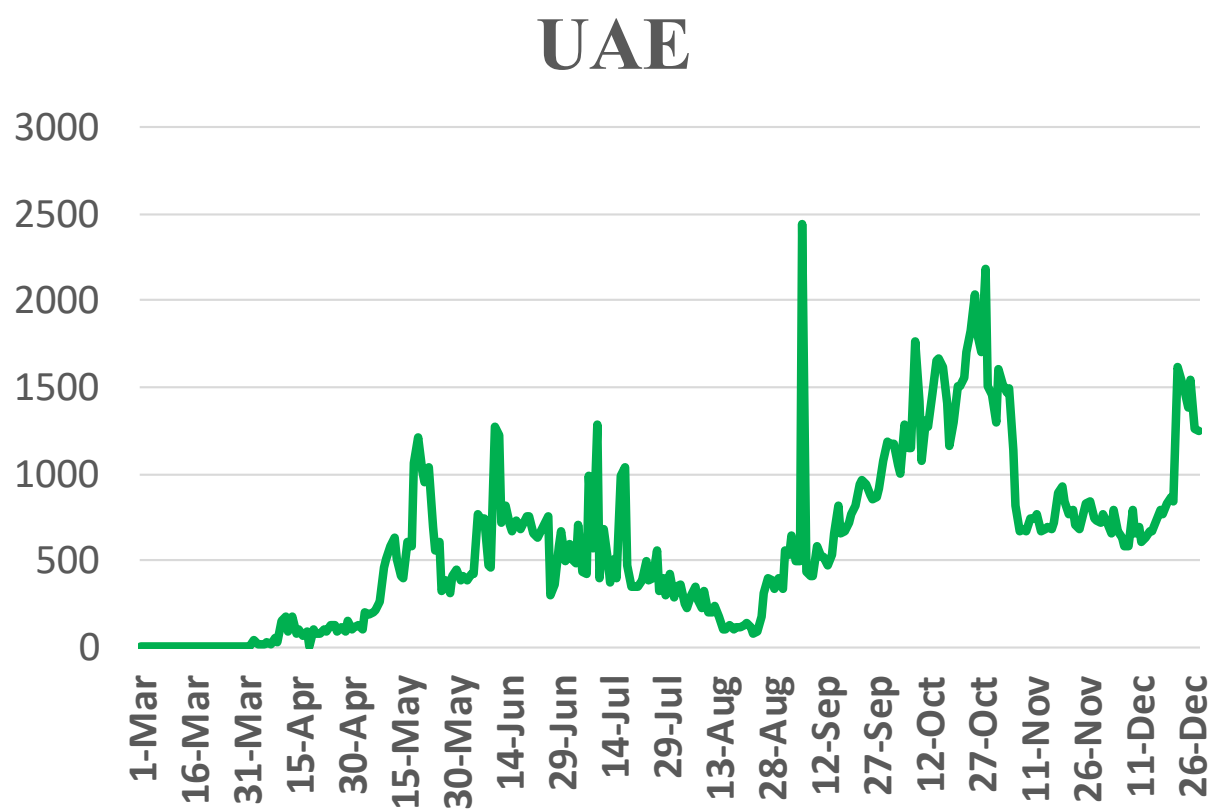


© ADPHC 2020

This document was developed by Abu Dhabi Public Health Center - ADPHC. The document is and shall remain the property of ADPHC and may only be used for the purposes for which it was intended. Unauthorized use or reproduction of this document is prohibited.

مركز أبوظبي للصحة العامة © 2020
هذه الوثيقة مملوكة لمركز أبوظبي للصحة العامة، ولا يجوز استخدامها لغير الأغراض المخصصة لها. ويحظر استخدام أو إعادة إنتاج هذه الوثيقة بدون إذن

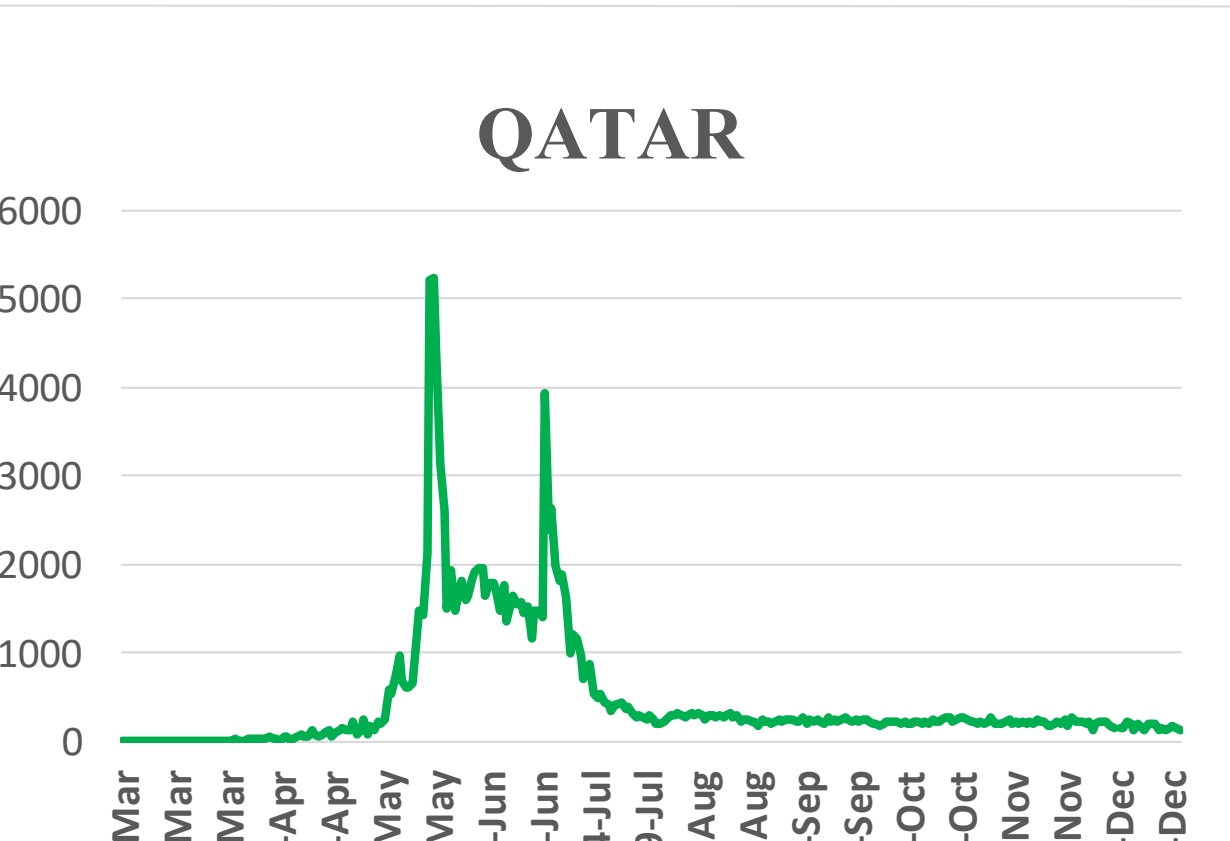
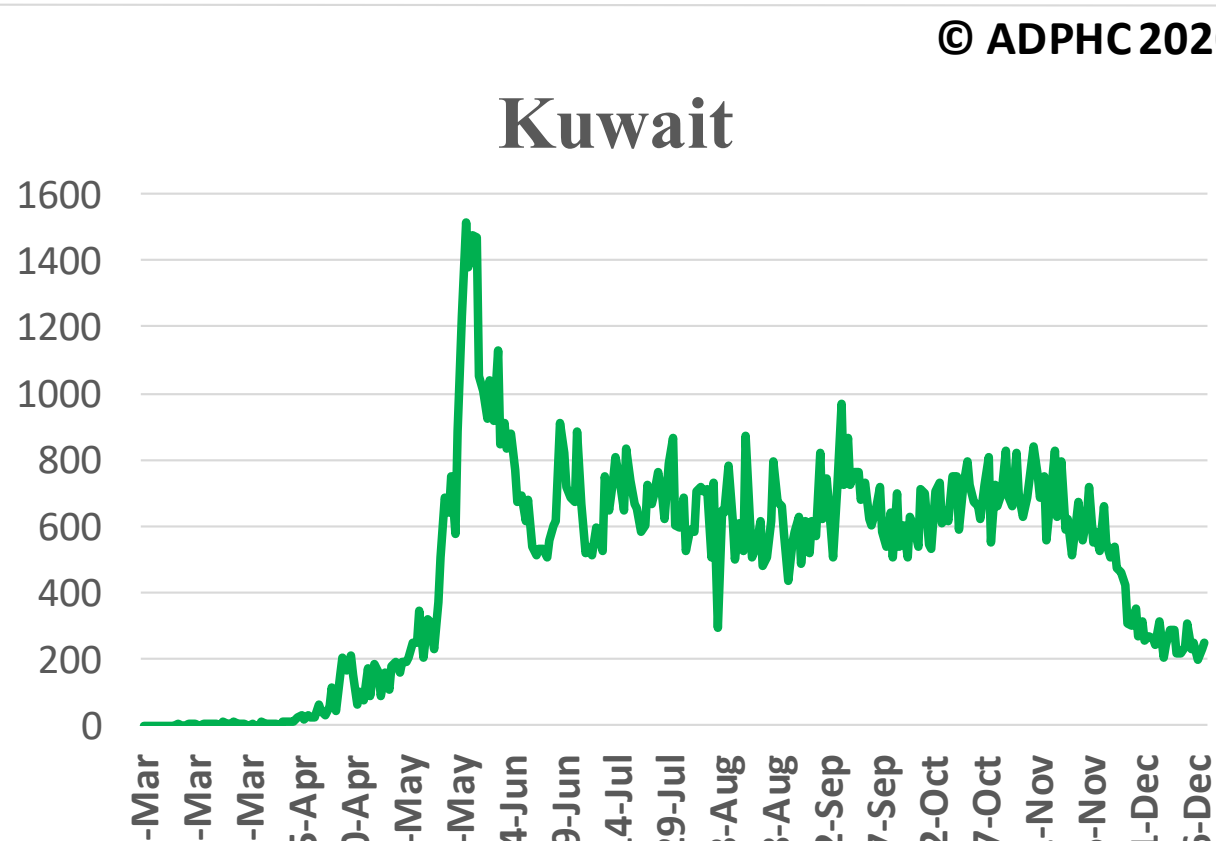
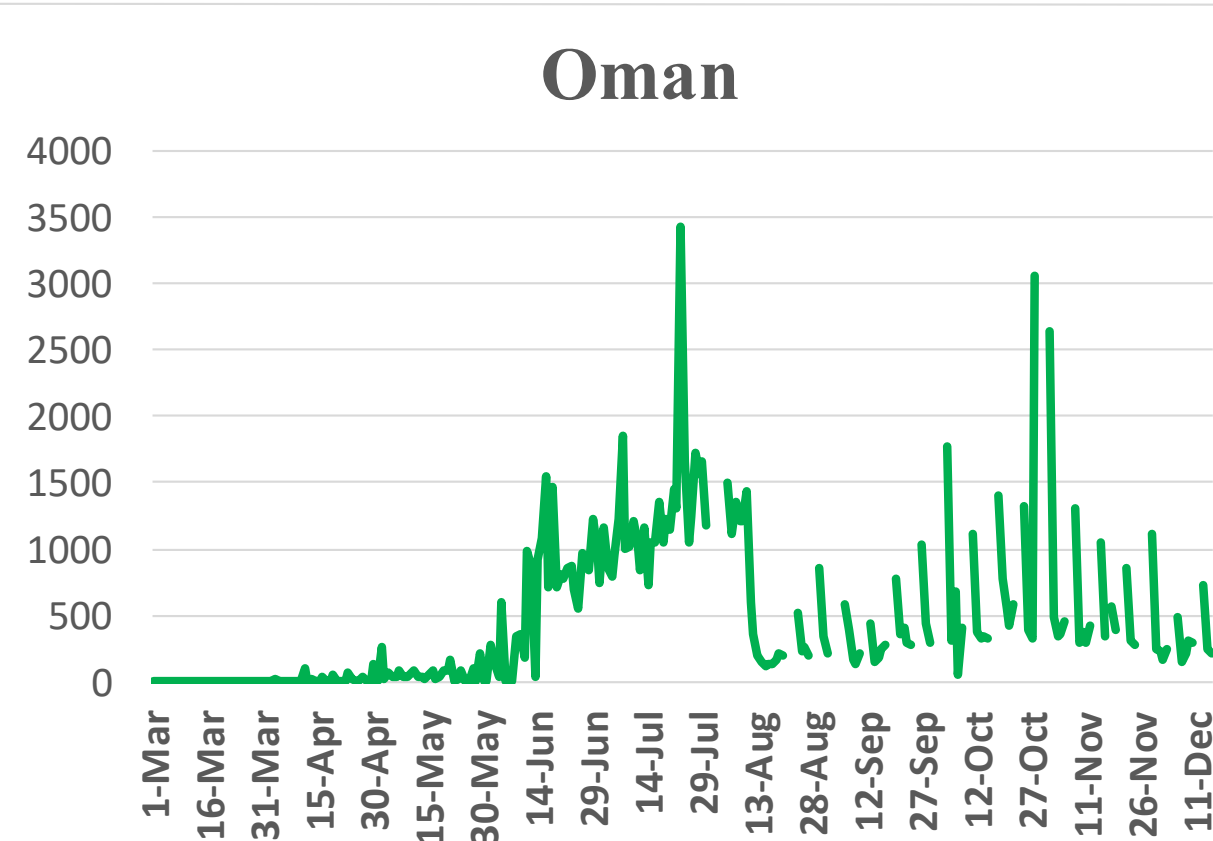
Figure 11: Comparative Analysis of the Distribution of COVID-19 Newly Recovered Cases in GCC Countries



Source : National Emergency Crisis and Disaster Management Authority

Source : KSA ministry of health

Source : Bahrain ministry of health



Source : Oman ministry of health

Source : Kuwait ministry of health

Source : Qatar ministry of health

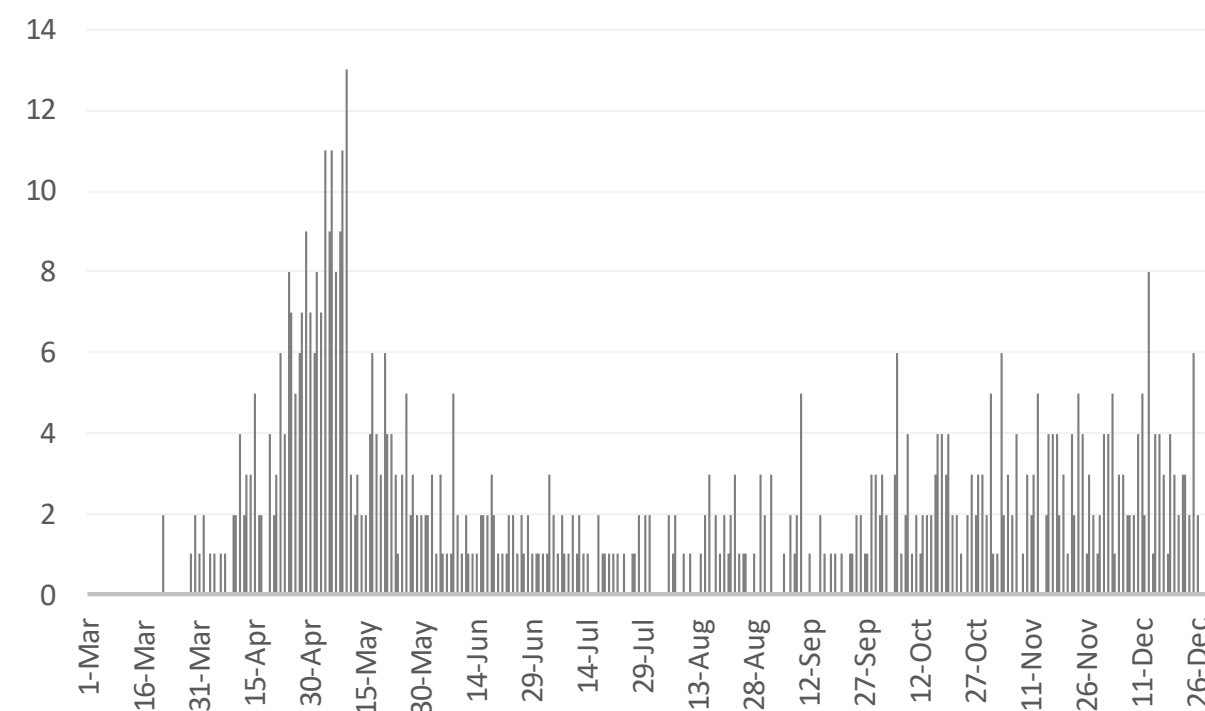
*No announced statistic data from 31 JUL to 4 AUG, 21,23,28,30 AUG 2,4 5,11,12,18,19,25,26,30 SEP,1,2,9,10,16,17,23,24,30,21 OCT, 6,7,13,14,17,20,21, ,27,28 NOV,4,5,11,12,18,19,25,29 DEC

*No announced statistic data on weekends and official holidays.



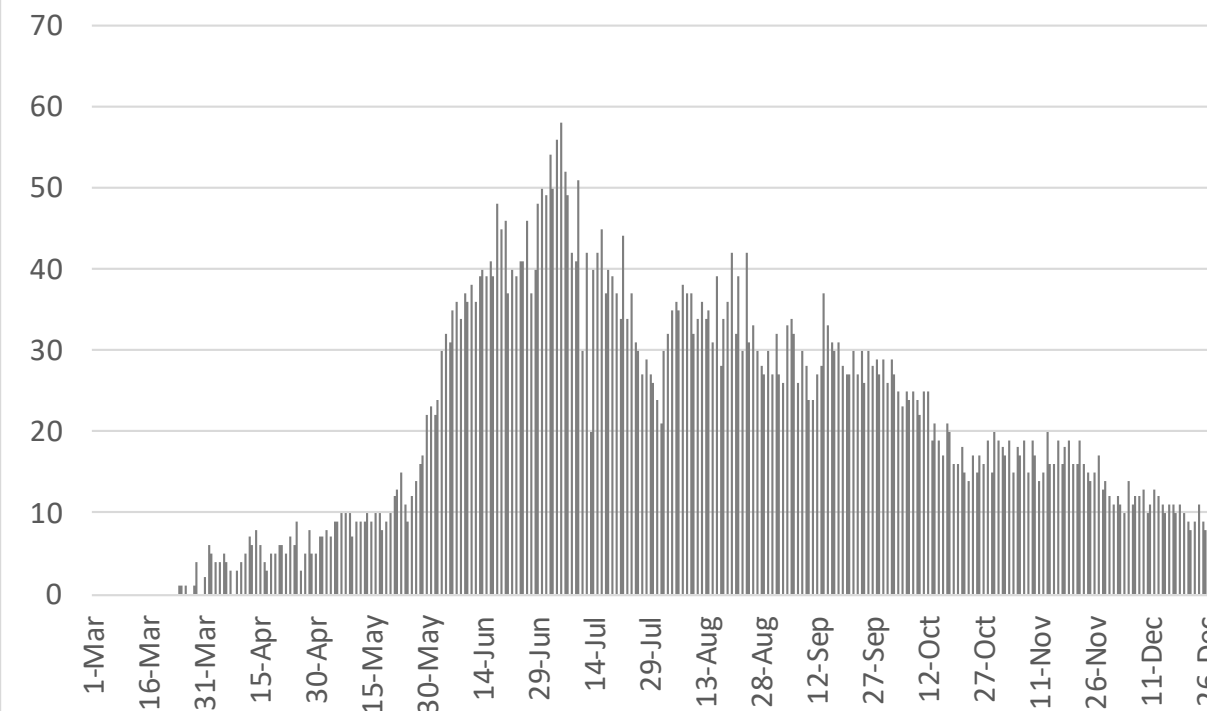
Figure 12: Comparative Analysis of the Distribution of COVID-19 New Death Cases in GCC Countries

UAE



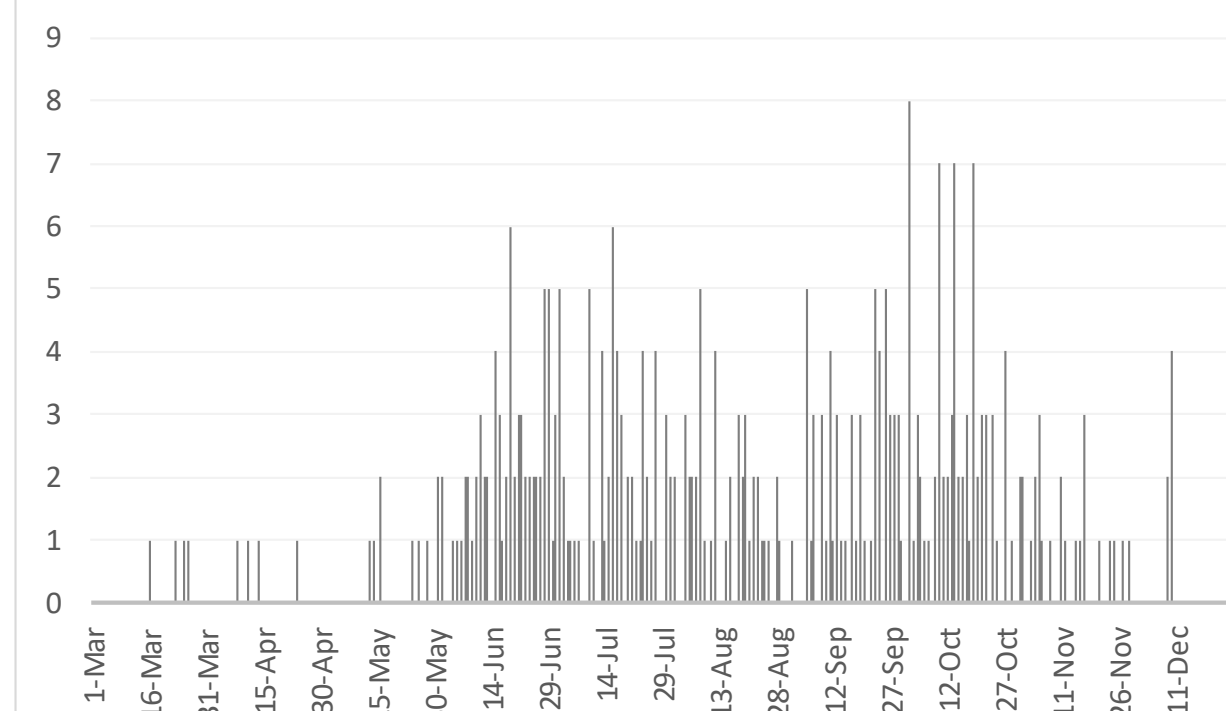
Source : National Emergency Crisis and Disaster Management Authority

KSA



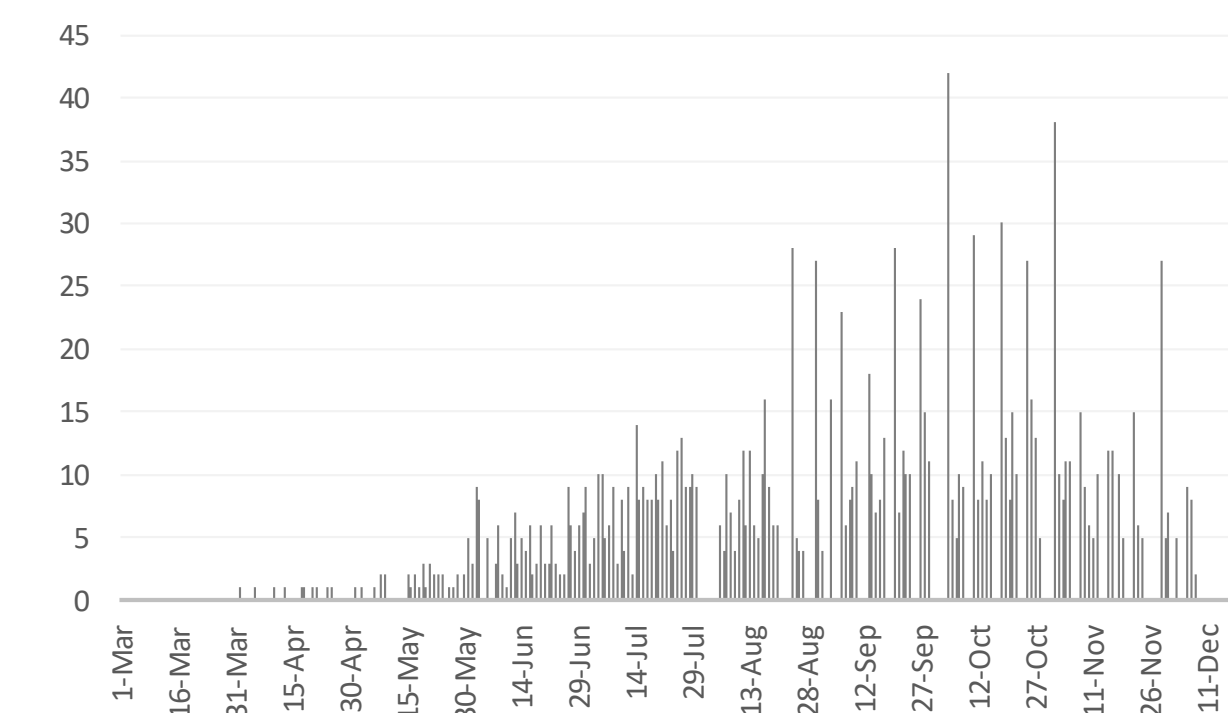
Source : KSA ministry of health

Bahrain



Source :WHO

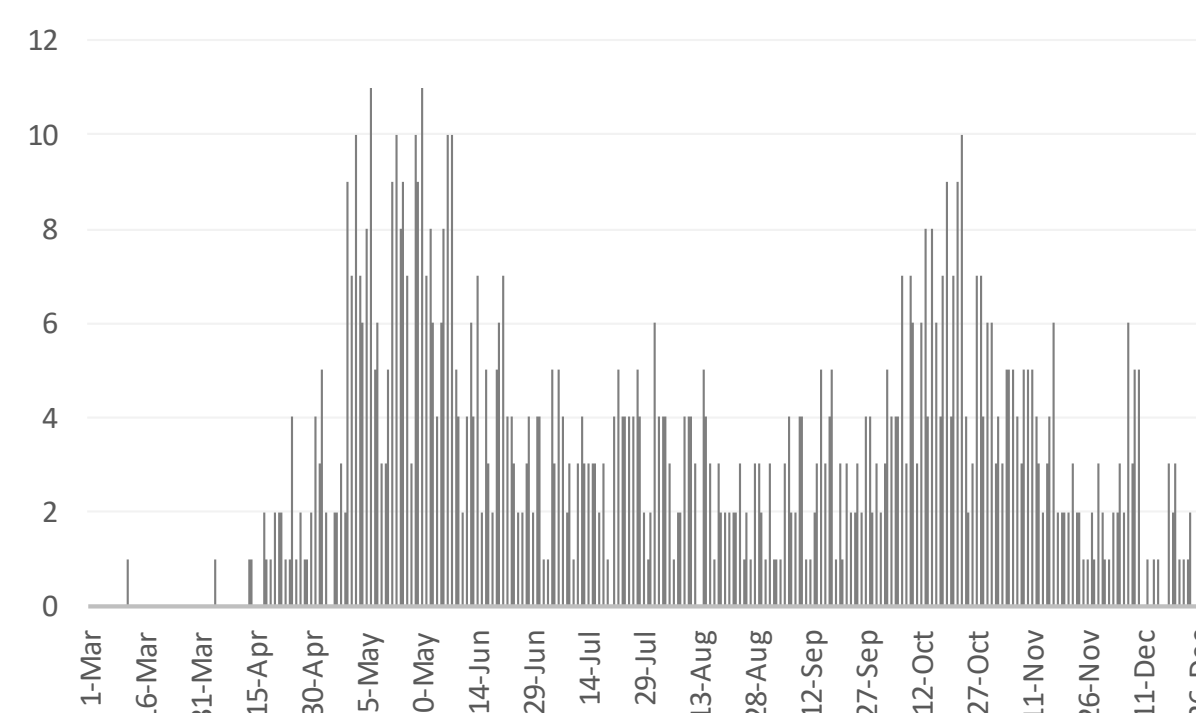
Oman



Source :Oman ministry of health

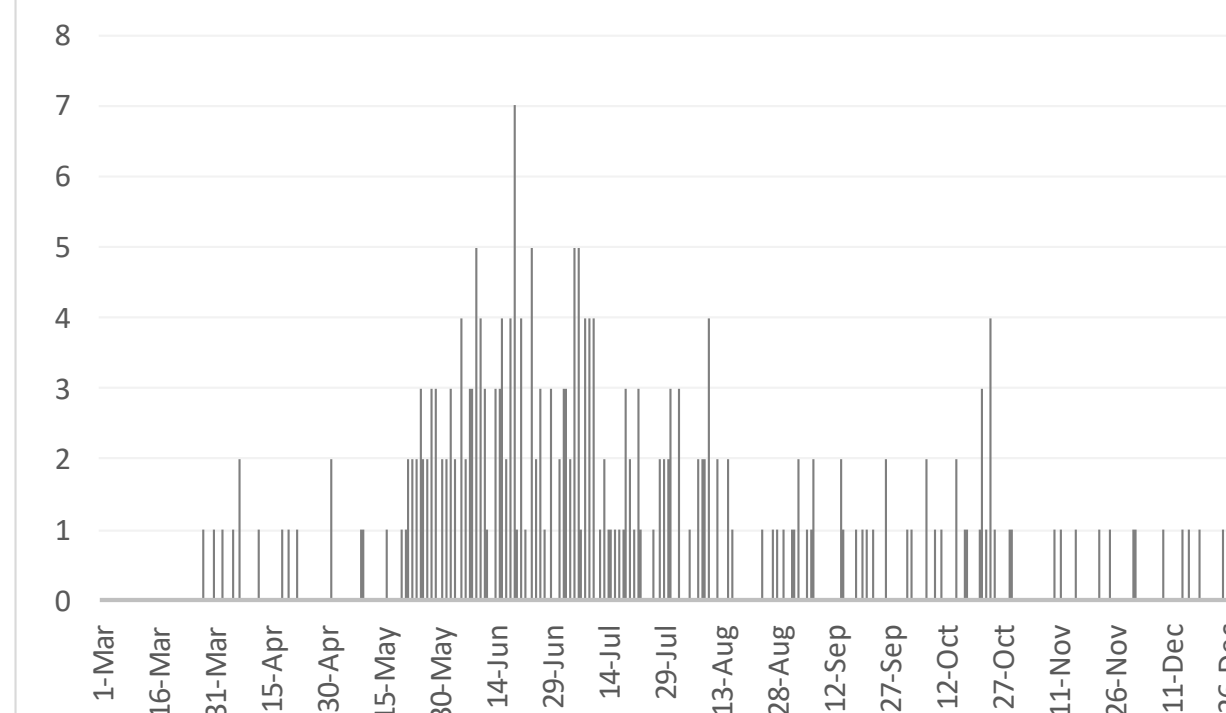
Kuwait

© ADPHC 2020



Source : Kuwait ministry of health

Qatar



Source : Qatar ministry of health

*No announced statistic data from 31 Jul to 4 AUG, 21,23,28,30 AUG 2,4 5,11,12,18,19,25,26,30 SEP,1,2,9,10,16,17,23,24,30,21 OCT, 6,7,13,14,17,20,21, 27,28 NOV,4,5,11,12,18,19,25,29 DEC
*No announced statistic data on weekends and official holidays.





Article 1

Published

December 28, 2020, [The Public Health Of England](#)

A Investigation of novel SARS-CoV-2 variant Variant of Concern 202012/01 Technical briefing 2

Matched cohort study was undertaken to inform a preliminary assessment of outcomes of hospitalization and case fatality associated with VOC 202012/01

Specimen dates between 20 September and 15 December 2020 were matched

	Variant Of Concern (202012/01)	Confirmed Wild-type Comparator Cases (Classified As Distinct To The Variant Sequence).
Number	1,769	1,769
Median Age	36 Years	35 Years
GENDER (Female)	51.4%	51.4%
Ethnicity (%)		
White	75.2%	Similar
Asian	10.1%	13.5%
Black	5.9%	Similar
Resident In Private Dwellings (%)	95.0%	94.3%
Residential Cluster (%)	63.5%	56.1%
Hospital Admissions (N)	16 (0.9%)	26 (1.5%)*
28-day Case Fatality (2,700 Cases)	12 Of 1,340 (0.89%)	10 Of 1,360 (0.73%)*
Re-infection	1.13/1000 Cases	1.70/1000 Cases

* Results are NOT statistically significant

THANK YOU

 ADPHCAE  ADPHC_AE  ADPHC_AE  ADPHC.AE  ADPHC-AE  056 2312171