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# COVID-19 EXPERIENCE IN SAUDI ARABIA

## IMSN MEETING 3/6/2021

PRESENTED BY THE SAUDI MEDICATION SAFETY CENTER

DR. HIND AL MODAIMEGH, PHARMD, FISMP

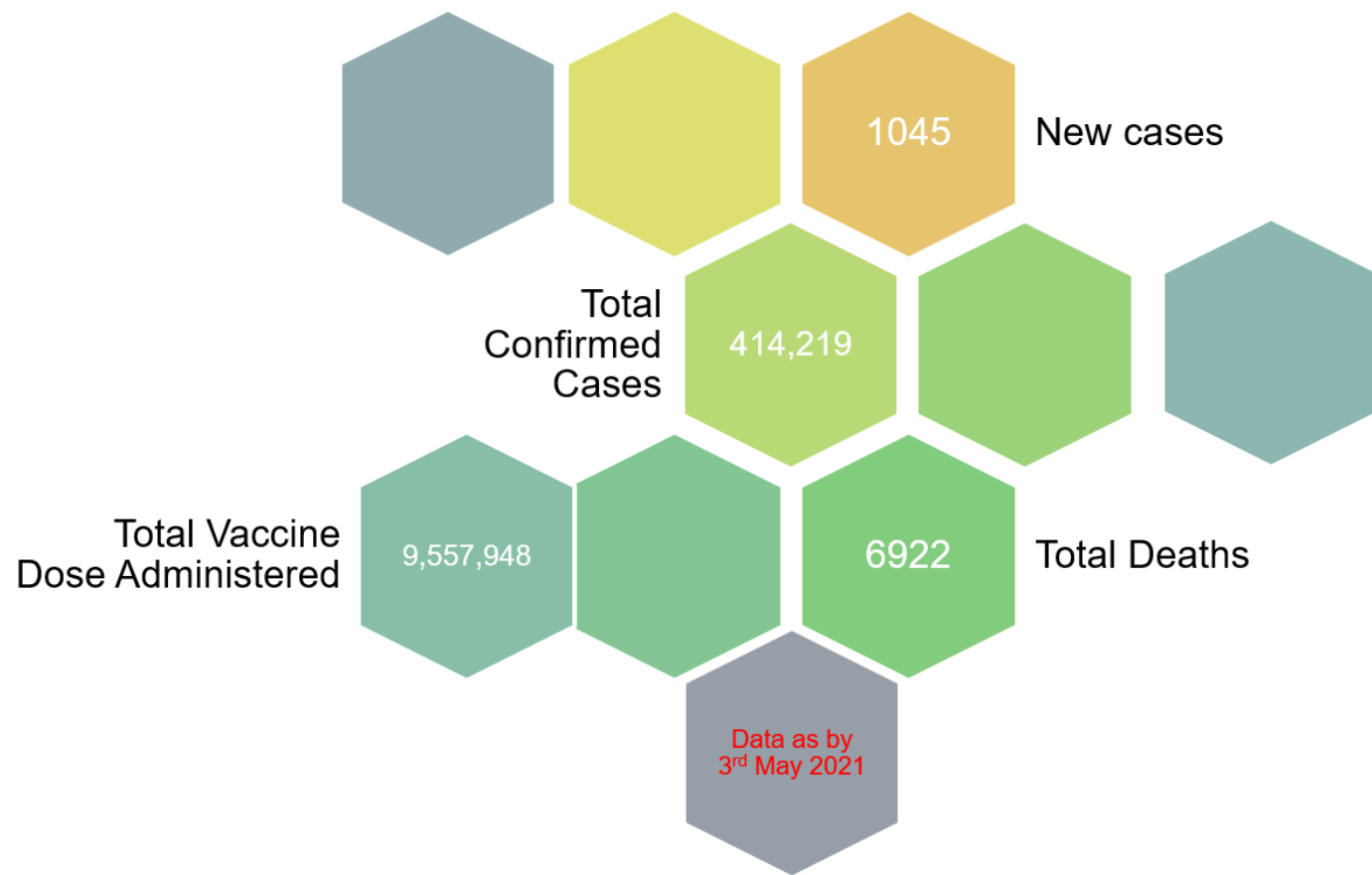
RPH. NORAH BINSABBAR

## START OF THE STORY OF COVID-19 IN SAUDI ARABIA

The first case of COVID-19 in Saudi Arabia was announced by the Ministry of Health on March 2 2021

The Saudi patient, who had travelled from Iran via Bahrain over the King Fahd Causeway, was immediately quarantined, and the ministry dispatched infection-control teams to trace and test anyone with whom he had been in contact

# STATISTICS

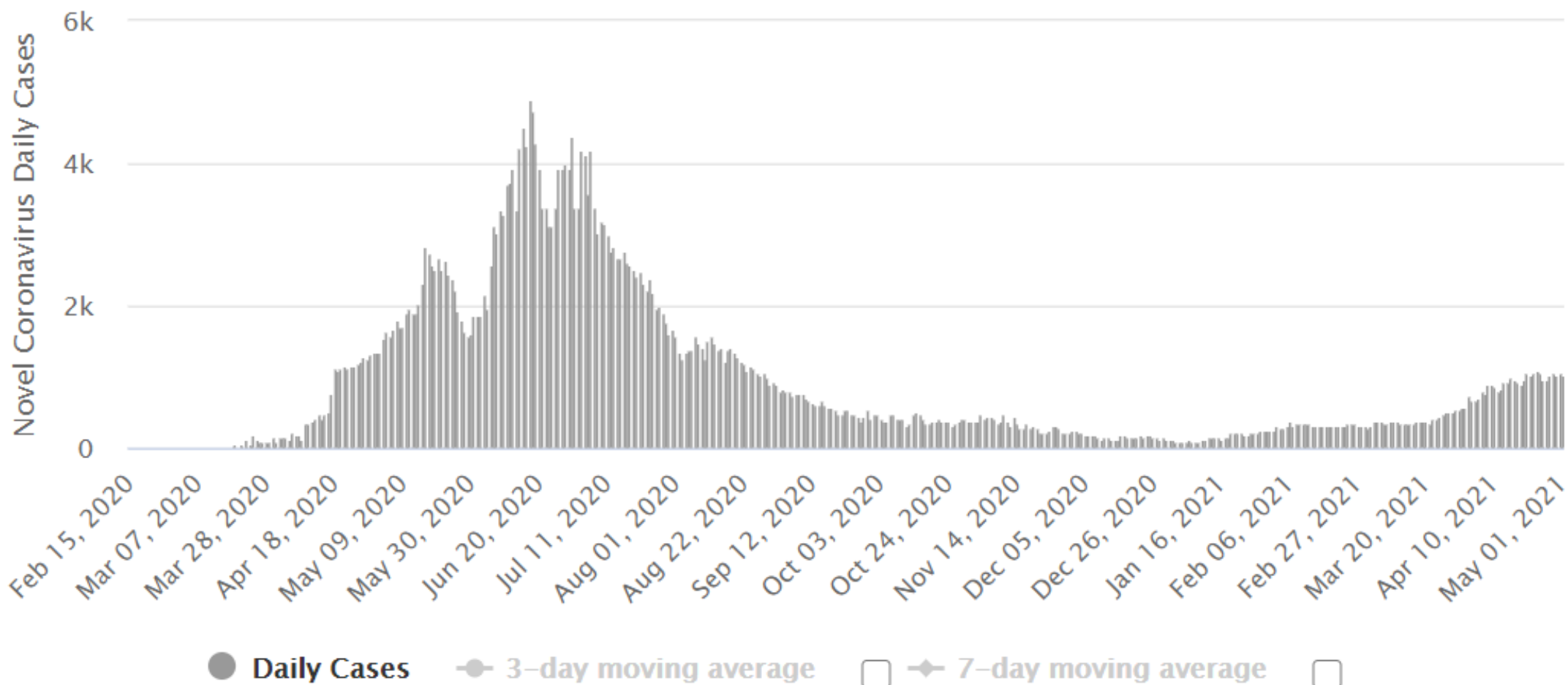


# Daily New Cases in Saudi Arabia

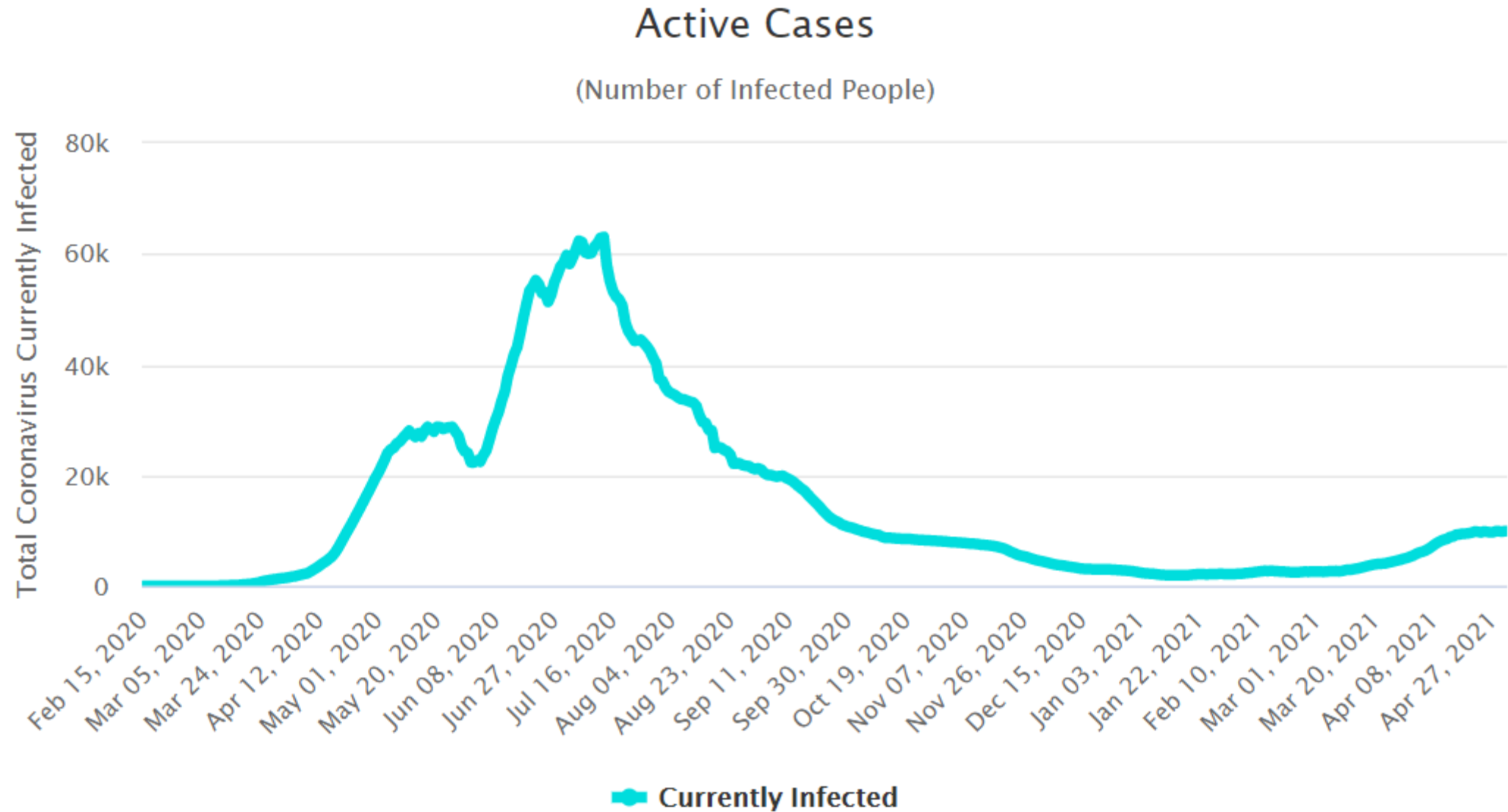
## Daily New Cases

Cases per Day

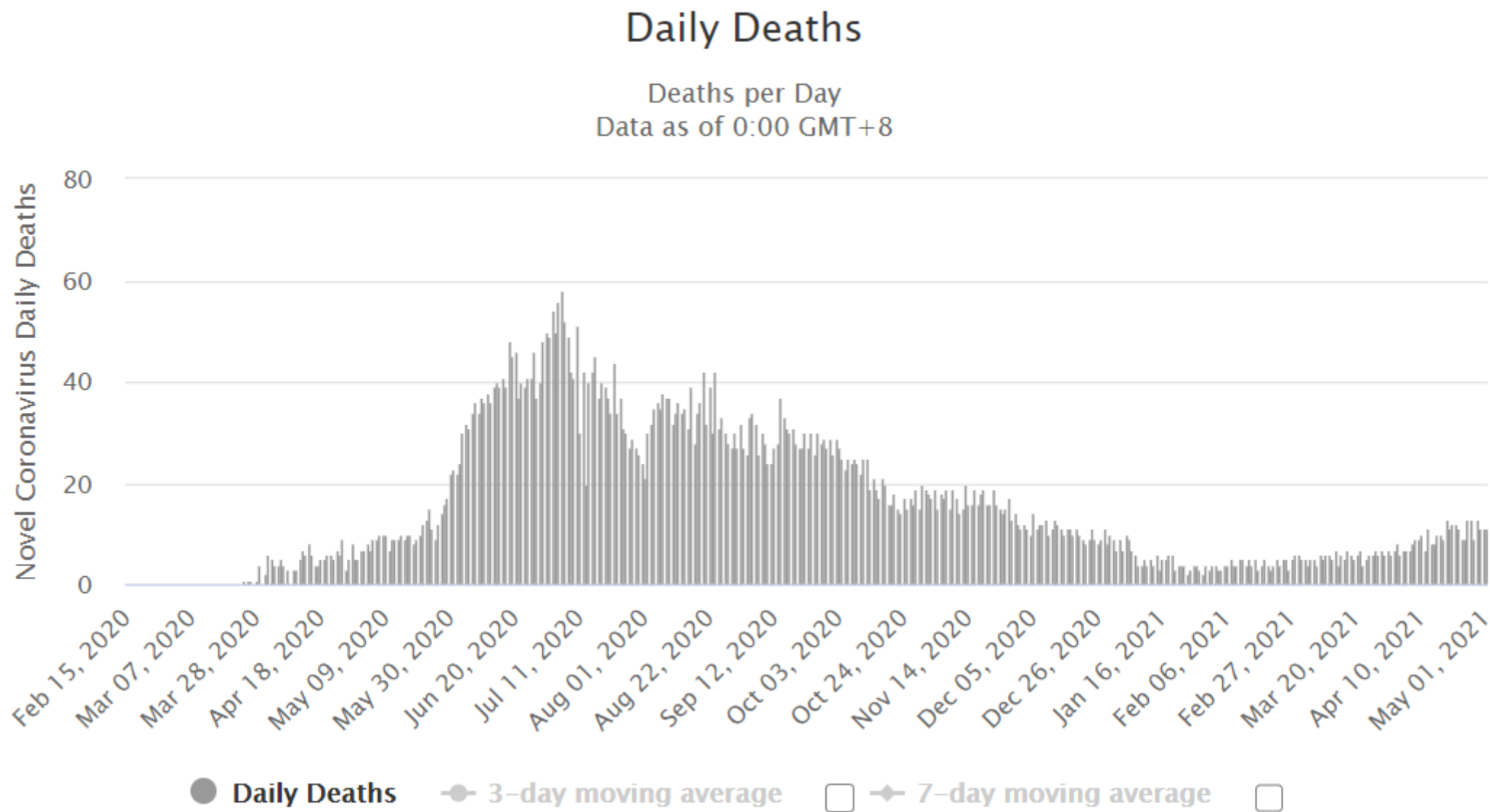
Data as of 0:00 GMT+0



# Active Cases in Saudi Arabia

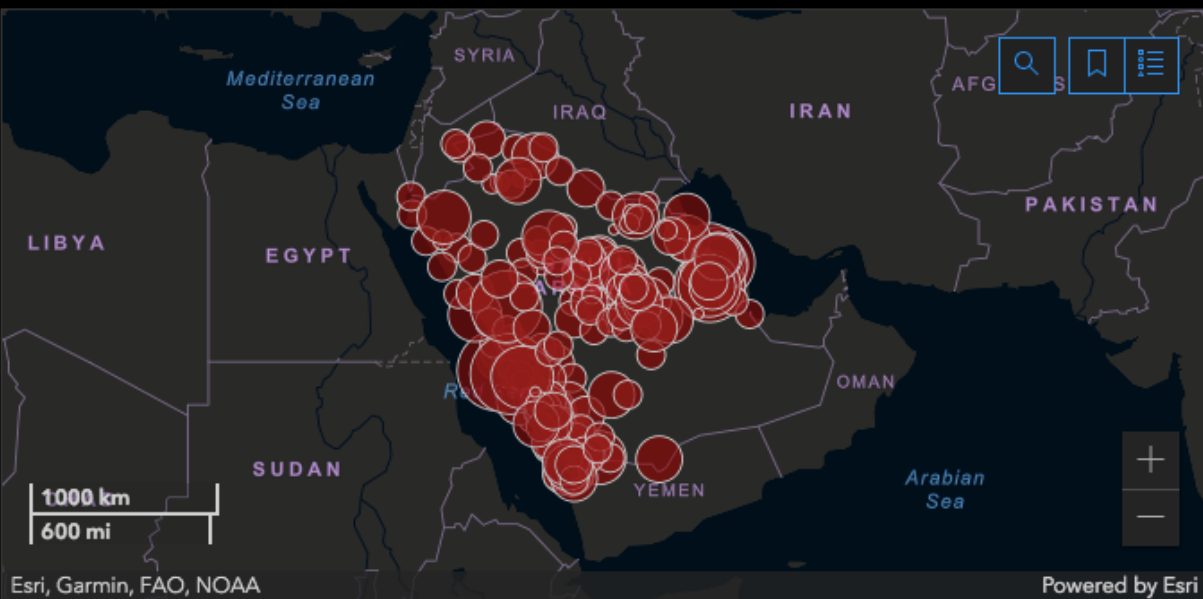


# Daily New Deaths in Saudi Arabia



Total Confirmed  
**452,956**

Active Cases  
**10,043**



Total Recovered  
**435,520**

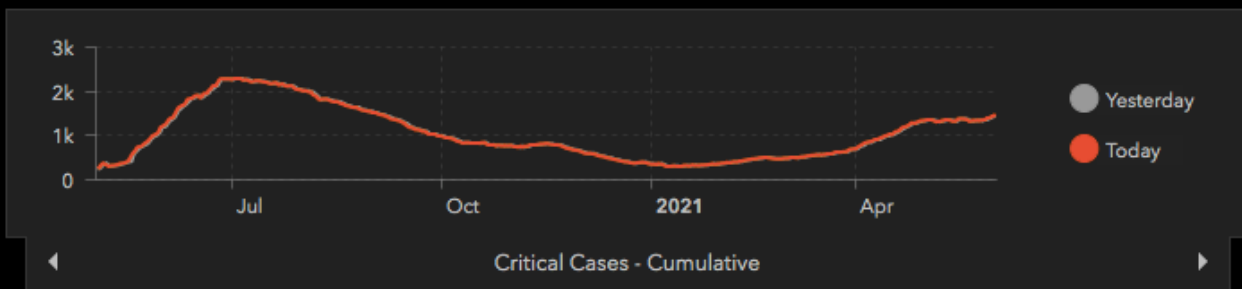
AR RIYAD: 88,351
Jeddah: 44,265
MAKKAH al MUKARRAMAH: 40,312
AL MADINAH al MUNAWWARAH: 24,364
Ad Dammam: 22,779
Al Hufuf: 22,561
At Ta'if: 12,751
AL MUBARRAKIYAH: 10,120

AR RIYAD: 1,839
Jeddah: 1,747
MAKKAH al MUKARRAMAH: 861
AL MADINAH al MUNAWWARAH: 369
Yanbu': 353
Ad Dammam: 215
Al Hufuf: 203
TABUK: 170

AR RIYAD: 85,233
Jeddah: 41,148
MAKKAH al MUKARRAMAH: 38,464
AL MADINAH al MUNAWWARAH: 22,710

Total Critical Cases  
**↑ Today 1,489**  
Yesterday 1,443

◀ Critical Cases ▶



Daily Cases  
[https://services6.arcgis.com/bKYAIIQgwHsIVRaK/arcgis/rest/services/VWPlacesCasesHostedView/FeatureServer/0/query?where=1%3D1&outFields=\\*&outSR=4326&f=json](https://services6.arcgis.com/bKYAIIQgwHsIVRaK/arcgis/rest/services/VWPlacesCasesHostedView/FeatureServer/0/query?where=1%3D1&outFields=*&outSR=4326&f=json)

Cases by Governorates  
[https://services6.arcgis.com/bKYAIIQgwHsIVRaK/arcgis/rest/services/CasesByGovernoratesViewLayer/FeatureServer/0/query?where=1%3D1&outFields=\\*&outSR=4326&f=json](https://services6.arcgis.com/bKYAIIQgwHsIVRaK/arcgis/rest/services/CasesByGovernoratesViewLayer/FeatureServer/0/query?where=1%3D1&outFields=*&outSR=4326&f=json)

Cases by Regions

Definitions Open Data - APIs

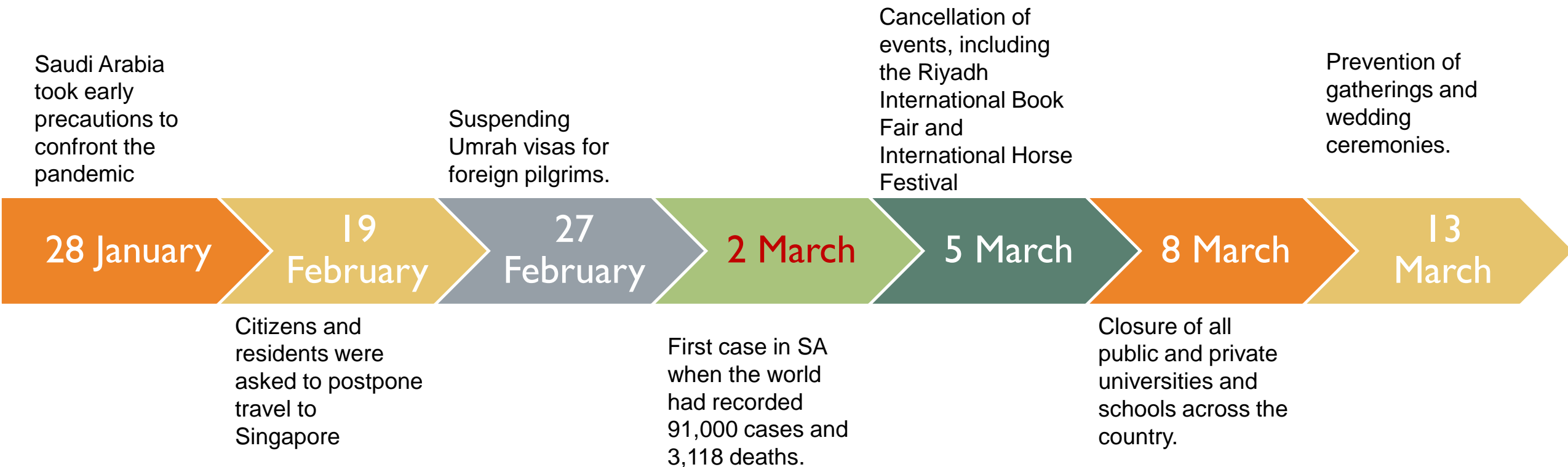
# GOVERNMENT INSTRUCTIONS AND RESTRICTIONS

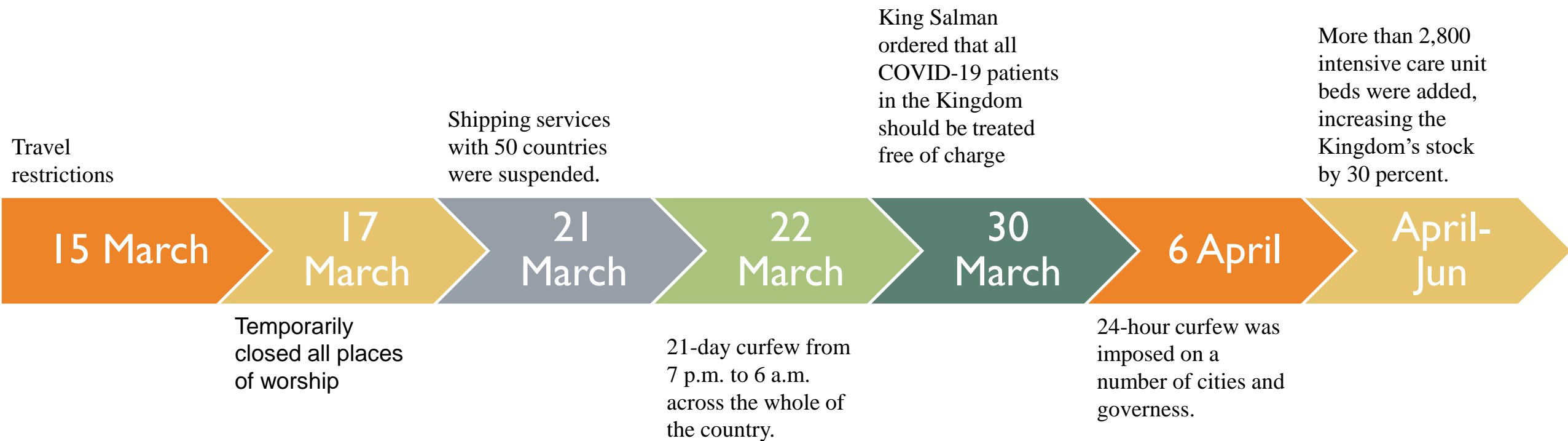
- Wearing face masks.
- Maintaining social distancing.
- Avoiding mass gatherings.



As for the need for other health restrictions and measures, this relies on how active the virus will become







Saudi Arabia temporarily relaxed daytime restrictions ahead of the start of Ramadan (9 a.m. and 5 p.m)

Restrictions remained in place, for religious pilgrimages, international travel and gatherings of more than 50 people.

Restrictions removed for international religious pilgrimages with restrictions.

26 April

13 May

21 June

27  
October

29  
October

Today

24-hour curfew was reimposed on the whole country for the duration of the Eid Al-Fitr holiday

\*Saudi Arabia experience with COVID-19; a document published by MOH



“cautious return to normality”

## SMART PHONE APPLICATIONS PROVIDED TO TRACK CASES

- **Mawid**, a centralized appointments-booking system for primary healthcare.
- **Seha**, an app through which people can consult a doctor by text, telephone or video conference, book COVID-19 test appointments, and carry out COVID-19 self-assessments.
- **Tabaud** allows users to know if they have been in contact with anyone confirmed to be positive for COVID-19.
- **Tetamman** proved to be priceless, allowing people to take advantage of the drive-through testing stations set up by the ministry in 17 cities.
- **Tawakalna**, an app through which people can show their COVID-19 situation and immunization, it is like a bypass ticket to go over the public areas.

# COVID 19 VACCINE



Start on:  
10<sup>th</sup>  
December  
2020



500 centers  
over the  
kingdom



Available for all  
citizens for free



About 9.5M  
doses  
administered



Approximate  
200 doses/day

# COVID 19 VACCINE – VACCINATION PLAN

## First stage

Citizens and residents over 65 years of age

People with BMI of over 40.

Immunocompromised individuals

People with two or more chronic diseases

People with occupations that make them more vulnerable to infection.

## Second stage

Citizens and residents over 50 years of age

Other HCP



People with one chronic diseases

People with BMI of 30-40.




## Third stage


All citizens and residents who wish to take the vaccine

# COVID 19 VACCINE- SIDE EFFECTS



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Covid Vaccine Adverse Event

Requester Info

Region

---Select---

City

---Select---

Reporter Type

---Select---

Patient Info

Name

Name

Email

Email

Identity Number

Identity Number

Primary Mobile

9665xxxxxxxx

Alternative Mobile

Alternative Mobile

Age (Year)

0

Gender

☐ Male ☐ Female

Do You have Allergy

☐ Yes ☒ No

Medical History

☐ Cardiac diseases

☐ Diabetes mellitus

☐ Liver diseased

☐ Renal diseases

☐ Immunological diseases

☐ Respiratory diseases

☐ Other, specify

## COVID 19 VACCINE SIDE EFFECTS

- On April 2021; Saudi Arabia records 15 blood clots possibly associated with Oxford-AstraZeneca vaccine
- The Saudi Food and Drug Agency, however, said the immunological platelet deficiency and clotting syndrome associated with AstraZeneca vaccine has not been confirmed in any of these cases so far, and it is rare
- It confirmed that the desired benefits from administering the vaccine still outweigh the potential risks
- On 17 April 2021, MOH publish Vaccine-Induced Thrombosis and Thrombocytopenia guideline\*



# VACCINE-INDUCED THROMBOSIS AND THROMBOCYTOPENIA GUIDELINE



## Saudi MoH Protocol for

## Vaccine-Induced Thrombosis and Thrombocytopenia (VITT)

(Version 1), 17/04/2021

**Disclaimer:** This is a living guidance that is subject to change as more evidence accumulates. It will be updated regularly and whenever needed.

### INTRODUCTION:

- Vaccines are important for managing the COVID-19 pandemic caused by SARS-CoV-2.
- Reports have emerged of some vaccine recipients developing unusual thrombotic events and thrombocytopenia.
- Between Dec 2020 and Mar 2021, European Medical Agency approved 4 vaccines:
  - BNT162b2, mRNA encoding spike protein antigen encapsulated in lipid nanoparticle
  - mRNA-1273, encoding spike protein antigen encapsulated in lipid nanoparticle.
  - ChAdOx1 nCov-19, a recombinant chimpanzee adenoviral vector encoding spike glycoprotein.
  - Ad26.COV2.S, a recombinant adenovirus type 26 vector encoding spike glycoprotein.
- First cases of thrombosis with thrombocytopenia reported in Feb/Mar 2021 with ~15-20M doses.
- **Because of the rarity of these events and the potential severity of COVID-19, the European Medicines Agency (EMA) concluded that the overall benefits of the vaccine continue to outweigh the risk.**
- The WHO stated that a causal relationship, while plausible, *has not been confirmed*, and that the very rare incidence should be weighed against the risk of morbidity from COVID-19.
- Covid-19 vaccine induced thrombosis and thrombocytopenia (VITT) is a very rare complication following vaccine exposure.
- Some experts have suggested that these events could be related to vaccine-induced autoantibodies directed against a PF4 platelet antigen, similar to those associated with heparin-induced thrombocytopenia (HIT).
- Typical presentation is 4-28 days following administration of vaccine.
- Recipients of any vaccine should be aware of the possible association and seek immediate care for signs and symptoms suggestive of thrombocytopenia (petechiae around the vaccination site after several days) or thrombotic complications (including shortness of breath, chest pain, lower extremity edema, persistent abdominal pain, unabating severe headache, focal neurologic symptoms, and seizures).
- Among approximately 34 million vaccine recipients in the United Kingdom and European Economic Area, there were 169 cases of cerebral venous sinus thrombosis (CVST) and 53 cases of splanchnic vein thrombosis reported through safety surveillance systems however, VTE occurring in other sites cannot be excluded.

## UPDATED VACCINATION PLAN

- Based on the SFDA report related the adverse events associated with Covid-19 vaccines, the criteria was slightly modified:



## How to protect yourself from COVID-19?



### WEAR A CLOTH MASK

Whenever you are going out



### WASH YOUR HANDS

With soap and water for 40 secs or rub them with an alcohol-based sanitizer for 20 secs.



### COVER NOSE & MOUTH

With your bent elbow or a tissue when coughing or sneezing, and with a cloth mask when going out.



### SOCIAL DISTANCING

Keep a safe distance from others, whenever you're outside your home.



### STOP THE SPREAD

Keep yourself away from others if you experienced any symptoms.



THANK YOU

