



# IJEAST

INTERNATIONAL JOURNAL  
OF ENGINEERING APPLIED SCIENCE  
AND TECHNOLOGY



**VOLUME : 6    ISSUE : 3    Print / Issue Publication Date: 16-Sep-2021**



**ISSN : 2455-2143**



**DOI : 10.33564/IJEAST.2021.v06i03.008**

Indexed In



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# CURRENT SITUATION OF COVID-19 AND VACCINATION IN PAKISTAN: JULY 2021

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**Abstract:** COVID-19 is thought to be expanded in Pakistan. On February 26, 2020 first case was reported in Karachi. On January 30 world health organization (WHO) coronavirus outbreak on the sixth public health emergency of international concern (PHEIC) announced that coronavirus is epidemic. WHO set up an instructive program planned to control the increase rate of COVID-19 cases. COVID-19 spread very fastly from person to person within few days and months leads to increase rate of Patients. According to latest updated report 2,452 confirmed coronavirus cases were reported in Pakistan. According to the report: 49,503 test were positive: 4.95% deaths (30 persons died) and 903 recoveries were recorded. Overall the Active Cases 48,850 and critical cases 24 in last 24 hours reported. Coronavirus cases were reported in Punjab 350,618 deaths 10,881 and recoveries 329,756. In Sindh confirmed cases were 356,929 deaths 5,720 and recoveries 320,600. In KPK confirmed cases reported 140,818 deaths 4,386 recoveries 134,144. Balochistan recorded report of confirmed cases 29,110 deaths 319 and recoveries 27,261. AJK reported confirmed cases 22,116 deaths 601 and recoveries 19,995 while in GB confirmed cases recorded 7,414 deaths 117 and recoveries 6, 432. Six vaccines approved in Pakistan Sinopharm, Cansino, Sinovic, sputnik, AstraZeneca, and Moderna (mRna-1273). Pakistan total dose administered 22,735,993 fully vaccinated 4,550,696 and partially vaccinated 18,185,297. Vaccination start on 3 February and 18 above start on June 3. It was observed that COVID-19 cases increases due to traveling from one country to another country. In Pakistan COVID-19 cases is high due to importation and traveling to meet other peoples that suffer in diseases. Pakistan need to follow high and good precautions rules and strict step in order to decrease the COVID-19 cases.

**Key words:** Coronavirus, Awareness, COVID-19, vaccination, doses, epidemic, Pakistan,

## I. INTRODUCTION

COVID-19 is thought to be expanded in Pakistan. On February 26, 2020 first case was reported in Karachi.<sup>(3)</sup> On January 30 world health organization (WHO) coronavirus outbreak on the sixth public health emergency of international concern (PHEIC) announced that coronavirus is epidemic.<sup>(2)</sup> COVID-19, has caused a staggering sickness with high paces of dreariness and mortality spreading everywhere on the world. The careful components through which immune system responses can be set off by immunization are not perceived, despite the fact that they likely shift concurring to the kind of antibody and individual hereditary susceptibility.<sup>(4)</sup>

The world health organisation (WHO) has warned Pakistan that is the country come across great challenges in coming days against COVID-19.<sup>(2)</sup> According to health organization centre, coronavirus incidence increase due to traveling from one country to another country.

## II. STUDY DESIGN AND DATA COLLECTION

This study is an observational study.

We arranged objectives was to increase cases of COVID-19 patients examine the confirmed cases report active cases, death rates, and recoveries data on June 22, 2021- July 19 2021. COVID-19 cases increase within few days. Data acquired electronic record using computerized database registration. This study was based on increase rate of COVID-19 cases in Pakistan. Every patient record was coded secretly, and need for guidance to insure decision making, clinical care, and public health, policy making at every level of COVID-19 responses.

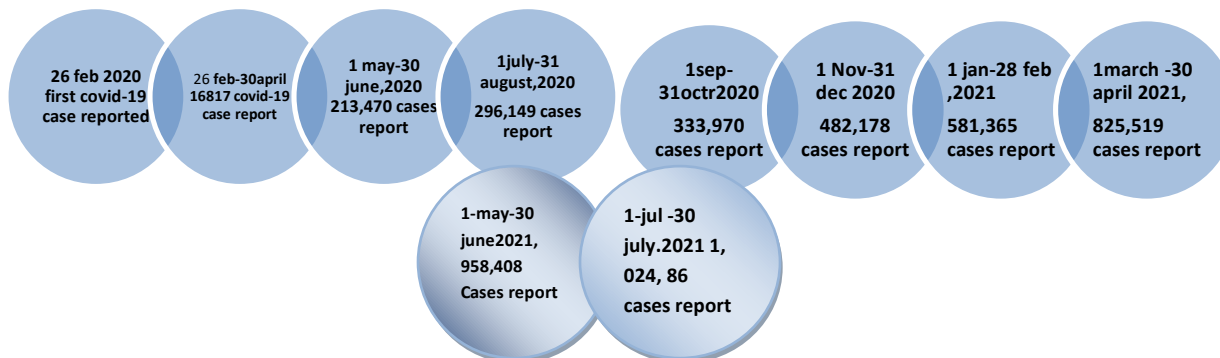


Fig 1: Represent the covid- 19 cases reported on 26 Feb, 2020- 30 July, 2021

### Current Situation and Epidemiological Analysis:

In Pakistan according to 16 July 2021 report, in last 72 hours confirmed cases **986,668** active cases: **45,579** death rates **22,760** and recoveries were **918,329**

Table 1: Pakistan current situation reported on province wise.

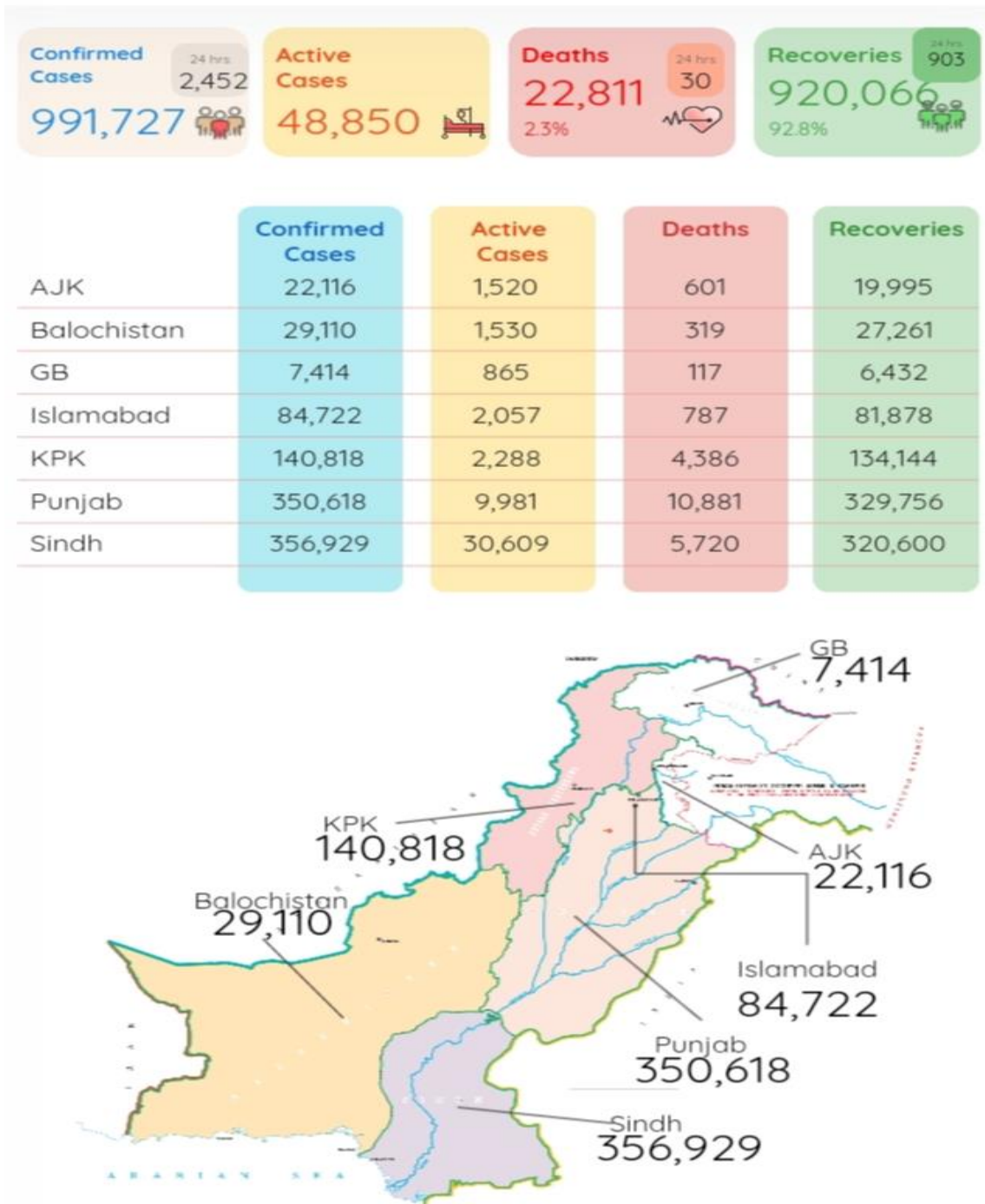
Province	Confirmed cases	Active cases	Death rates	Recoveries
AJK	21,811	1301	598	19,912
SINDH	354,103	28,580	5,697	31,9826
Balochistan	28,884	1,412	319	27,153
KPK	140,293	1939	4,380	133,974
ICT	84,399	1,941	787	81,671
Punjab	349,890	9547	10,865	329,478
GB	7,288	859	114	6,315
<b>TOTAL</b>	<b>986,668</b>	<b>45,579</b>	<b>22,760</b>	<b>918,329</b>

According to Pakistan's last update on (July 19, 2021 at 07:59am) reported. 2,452 confirmed coronavirus cases were reported in Pakistan, total tests in last 24 hours: 49,503 positivity %: 4.95% and deaths: 30 and Recoveries 903. <sup>(5)</sup> Overall the Active Cases 48,850 and critical cases 24 in last 24 hours reported. Coronavirus cases were reported in Punjab 350,618 deaths 10,881 and recoveries 329,756.

In Sindh confirmed cases were 356,929 deaths 5,720 and recoveries 320,600. In KPK confirmed cases

reported 140,818 deaths 4,386 recoveries 134,144. Balochistan recorded report of confirmed cases 29,110 deaths 319 and recoveries 27,261. AJK reported confirmed cases 22,116 deaths 601 and recoveries 19,995 while in GB confirmed cases recorded 7,414 deaths 117 and recoveries 6,432. <sup>(5)</sup>

Total Confirmed cases **991,727** Active cases: **48,850**. Death rate: **22,811 (2.3%)**. Total Recoveries **920,066 (92.8%)** as shown in Figure 1.



**Figure 2:** Current situation of Pakistan (July 19, 2021-07:59am)



### III. PAKISTAN COVID -19 VACCINATIONS

Pakistan has so far approved six Covid vaccines **Sinopharm, Cansino, Sinovic, sputnik, AstraZeneca, and Moderna (mRna-1273).**<sup>8</sup>

Pakistan began its COVID -19 vaccines on February 3 starting with frontline healthcare workers and touched the 1 million mark by **April 6**. It took around **60 days** to reach the first million and about the same time (2 months) to administer another 9 million doses indicating a major vaccine rollout.<sup>6</sup> Pakistan immunization campaign is slow due to shortage of vaccines but the picked pace last month as the country started producing single Dose **Chinese CanSino vaccine**, the hope of making 3 million Doses a month. Around **250,000** Doses a day are being administered currently.<sup>6</sup> Pakistan is vaccinating all adult citizens (**18 years** and above) free of cost at

Government health facility. Now government of Pakistan demand vaccination certificate from Government employees, teachers, restaurants, passengers etc.<sup>11</sup> on 17<sup>th</sup> July 1,236,000 million doses of AstraZeneca COVID-19 vaccine reached Islamabad through COVAX.<sup>12</sup>

Since May, 2.4 million Doses of AstraZeneca <sup>12</sup>, 100,160 doses of Pfizer and 2.5 million Doses of Moderna.<sup>7</sup>Pakistan presently has 172 COVID-19 labs with the capacity of conducting 80,000 tests per day. In Pakistan vaccination 18 above peoples start **3 June.**<sup>9</sup> Islamabad **4 July2021, today 2.5** million doses of Moderna (mRNA-1273) Covid-19 vaccine supplied through the COVAX facility dose sharing mechanism and donated by united state. Islamabad **17 July 2021-today 1,236000** million doses of AstraZeneca Covid -19 vaccine reached Islamabad.<sup>9</sup>

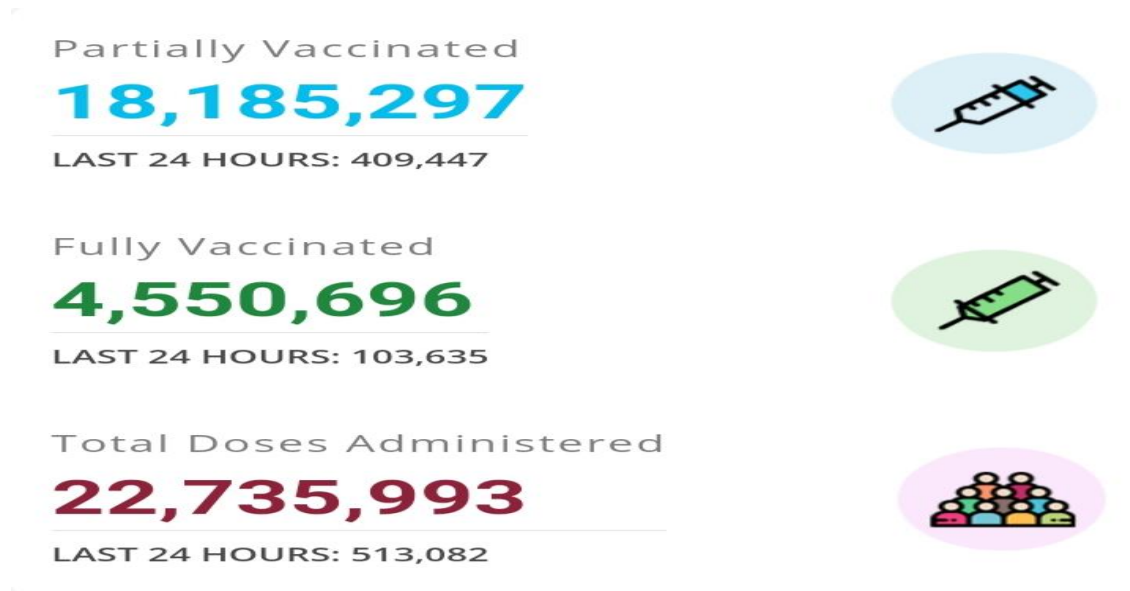


Figure 3: Vaccination status in Pakistan (July 19, 2021-07:59am)

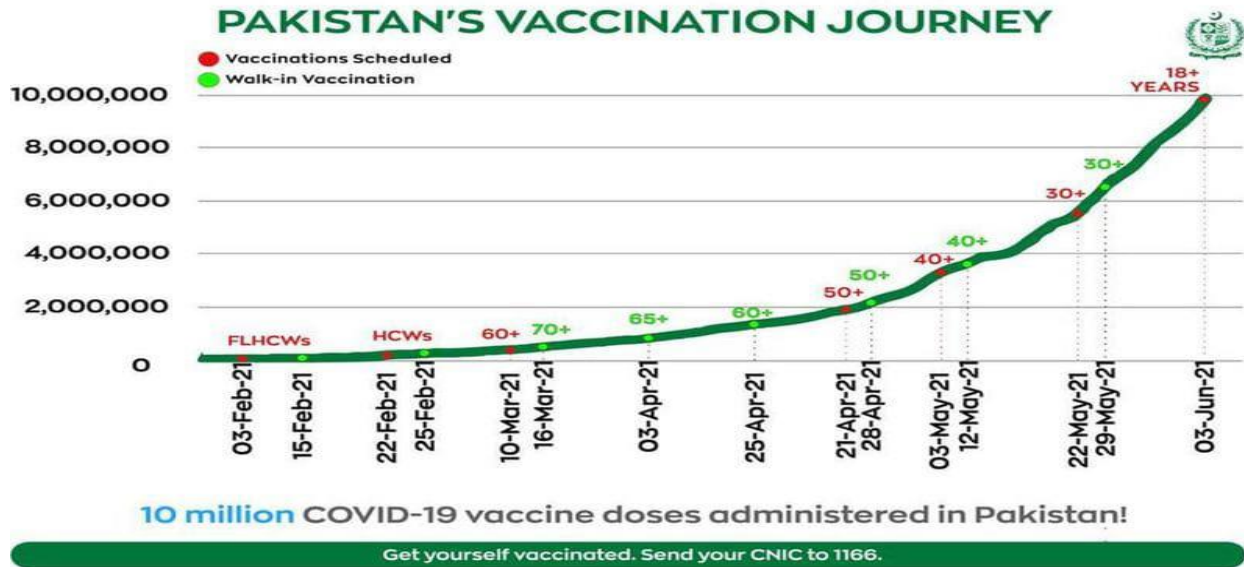


Fig: 3 COVID-19 Vaccination journey

#### IV. RESULTS AND DISCUSSION

As the result COVID-19 cases increases due to traveling from one country to another country. Pakistan trade and travel with other countries like Afghanistan, Iran, and China. In Pakistan COVID-19 cases is high due to importation and traveling meet other peoples that suffer in diseases. Pakistan needs to be high and good precautions follow rules and strict step to identify the COVID-19 cases. Due to progress of COVID-19 Pakistan economy is under greater impact. Our country cannot bear lockdown, and lockdown should extend. Pakistan suffering economic loss, and does not have sufficient resources to provide the COVID patient at the time of positive report. The prime minister call the community meeting dealing with pandemic that decided peoples avoid events, and gatherings wearing masks, avoid crowd and low risk of infection by reducing rate of contact with other peoples.

#### V. CONCLUSION AND RECOMMENDATIONS

COVID-19 is swiftly spreading very fast. Within few days the mortality rate increases at high level. Clinics hospitals are working to invent COVID-19 vaccines that are very helpful to prevent this disease. If we take step self isolation, that control the chance of spreading COVID-19. Each individuals and world health organization centre has a tremendous potential

for public health, different sectors working together face the challenge along with policy initiatives. COVID-19 vaccinations patients got two intramuscular injections, 21-28 days separated conveyed in the deltoid muscle. These vaccinations are very helpful, and decrease mortality rate.

#### VI. RECOMMENDATIONS

- 1) Clean your hands, by using soaps, alcohol, and hand sanitizer.
- 2) Maintain distance, from anyone who suffering disease sneezing and coughing.
- 3) Wearing a mask
- 4) Avoid touching your hands on face, mouth and eyes.
- 5) Stay home if u feel uncomfortable, and unwell.
- 6) If you have a fever, cough, sneezing and problem in breathing then immediately seek medical attention.
- 7) Mask can help to prevent the spreading of COVID-19 disease; don't wear the mask to others that they do not protect from this dangerous disease and should be combined with physical distancing.
- 8) Vaccination



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