



WEEKLY FIELD EPIDEMIOLOGY REPORT

Volume 3—Issue 32 Aug 01-07, 2021

Date: Aug 11, 2021

Provincial Technical Officers and fellows of FELTP assigned at the Disease Surveillance, Response Units (DSRU's) are working with provincial, and district health authorities on event based disease surveillance and outbreak response. DSRUs are sharing the disease surveillance data, outbreak reports and activities of FELTP fellows to the Federal Disease Surveillance and Response Unit (FDSRU) at the Field Epidemiology and Disease Surveillance Division (FEDSD) National Institute of Health (NIH) Islamabad on weekly basis.

COVID-19 Surveillance

PDSRUs in Provinces are working with the provincial department of health on COVID-19 surveillance, response and contact tracing since February, 2020 in Pakistan. FELTP fellows Alumni are actively involved in COVID-19 Surveillance throughout Pakistan. Data is being shared with FDSRU on daily basis and a SitRep is being issued by FEDSD National Institute of Health Islamabad FDSRU has developed a mechanism for tracking of travelers from other countries to Pakistan since 02

February 2020. Daily flights data from international airports in Pakistan is being shared by the Central Health establishment (CHE) Islamabad with FDSRU teams who conduct daily calls on given contact numbers of the travelers to ask about their health status, advise them for immediate contact at the nearest designated hospital in case of COVID-19 symptoms. Total 147,481 travelers have been traced and contacted by Aug 07, 2021.

Table-1: Weekly Surveillance data COVID-19 by Aug 07, 2021

Province/ Region	Suspected cases reported		Lab Update		Hospital Update	
	Cumulative	Tests performed (Cumulative)	Tested positive cases (Cumulative)	Currently admitted	Discharged/Recovered	Expired
AJK	250,490	250,490	26,874	71	22,061	645
Baluchistan	263,643	369,171	31,138	27	29,351	331
GB	155,813	158,020	8,703	71	7,656	152
Islamabad	1,786,570	1,786,570	90,503	323	84886	814
KP	2,070,633	2,423,936	147,973	1,032	137,575	4,540
Punjab	6,247,153	6,317,318	363,644	1647	335079	11194
Sindh	5,142,901	5,142,901	398,745	1560	345031	6189
Total	15,917,203	16,448,406	1,067,580	4,731	961,639	23,865

PDSRU SINDH

Total 400,293 confirmed COVID-19 cases were reported from Sindh until Aug 07,2021. 348,461 cases have recovered while 6,249 cases expired due to COVID-19. Most of these cases were reported from District Karachi (n=259,130) followed by District Hyderabad (n=23,732), District Sukkur

(n=6,878) and District Ghotki (n=6,019). Age group ≥70 has the highest attack rate (2366/100,000) followed by 50-59 years age group (2064/100,000), 60-69 years age group (1847/100,000) & 30-39 years age group (1643/100,000 population).

Figure-1: Sindh - District-wise distribution of COVID-19 cases (Cumulative up to week 32)

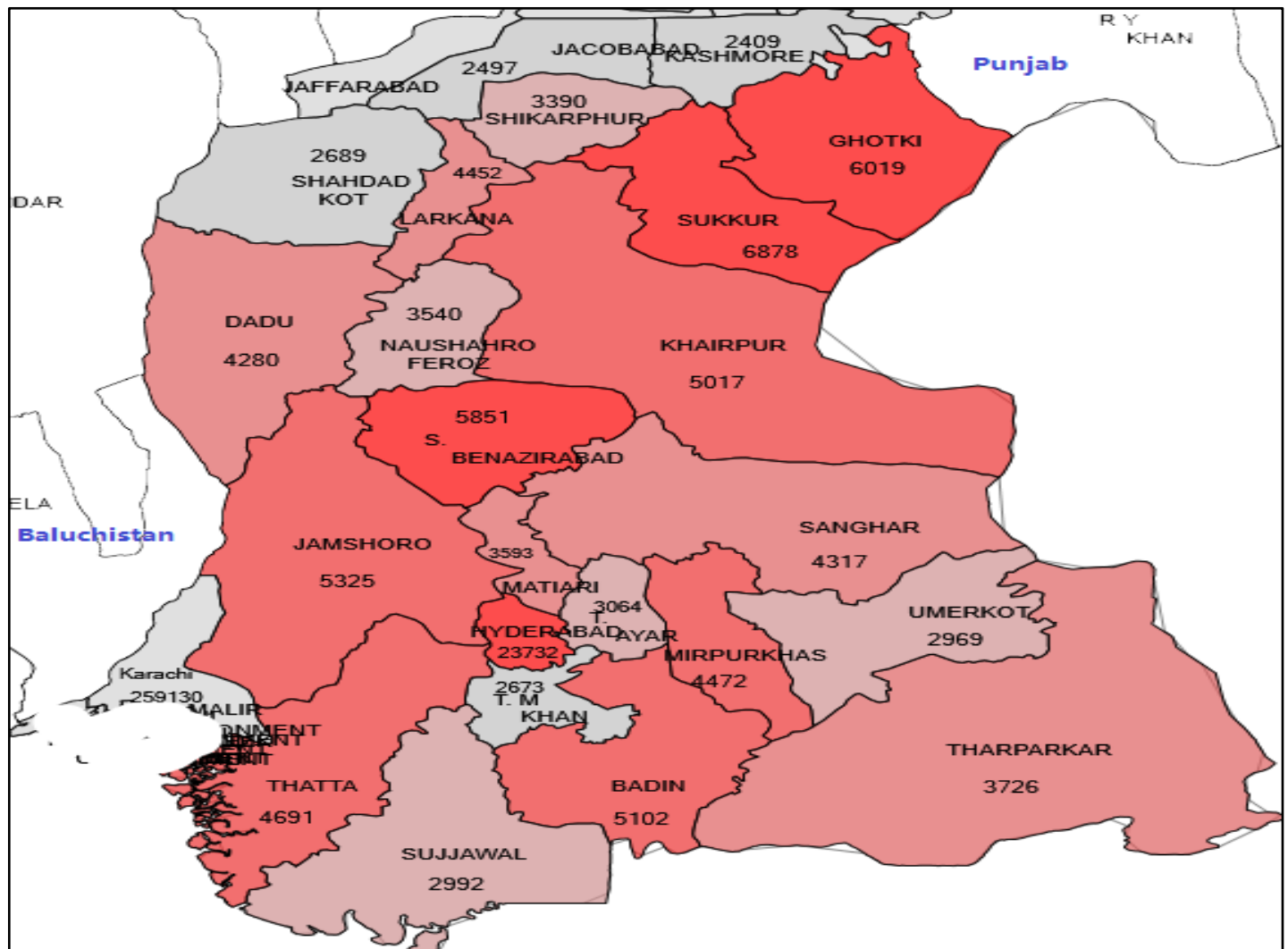
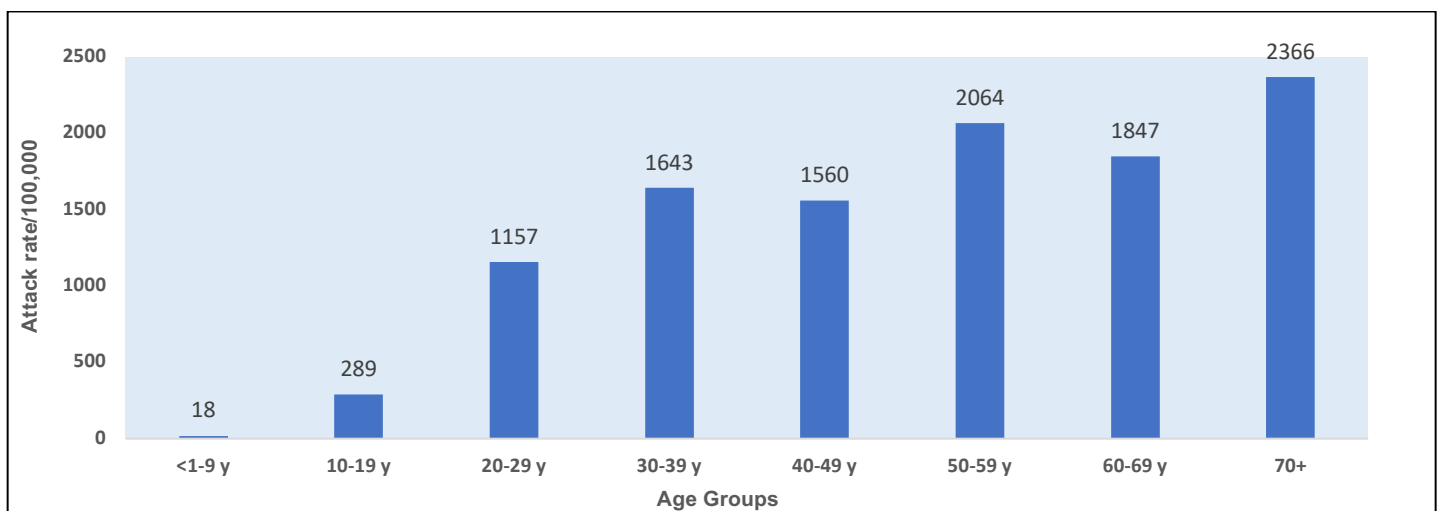


Figure-2: Sindh – Age group-wise Attack Rates /100,000 population (Aug 07, 2021)

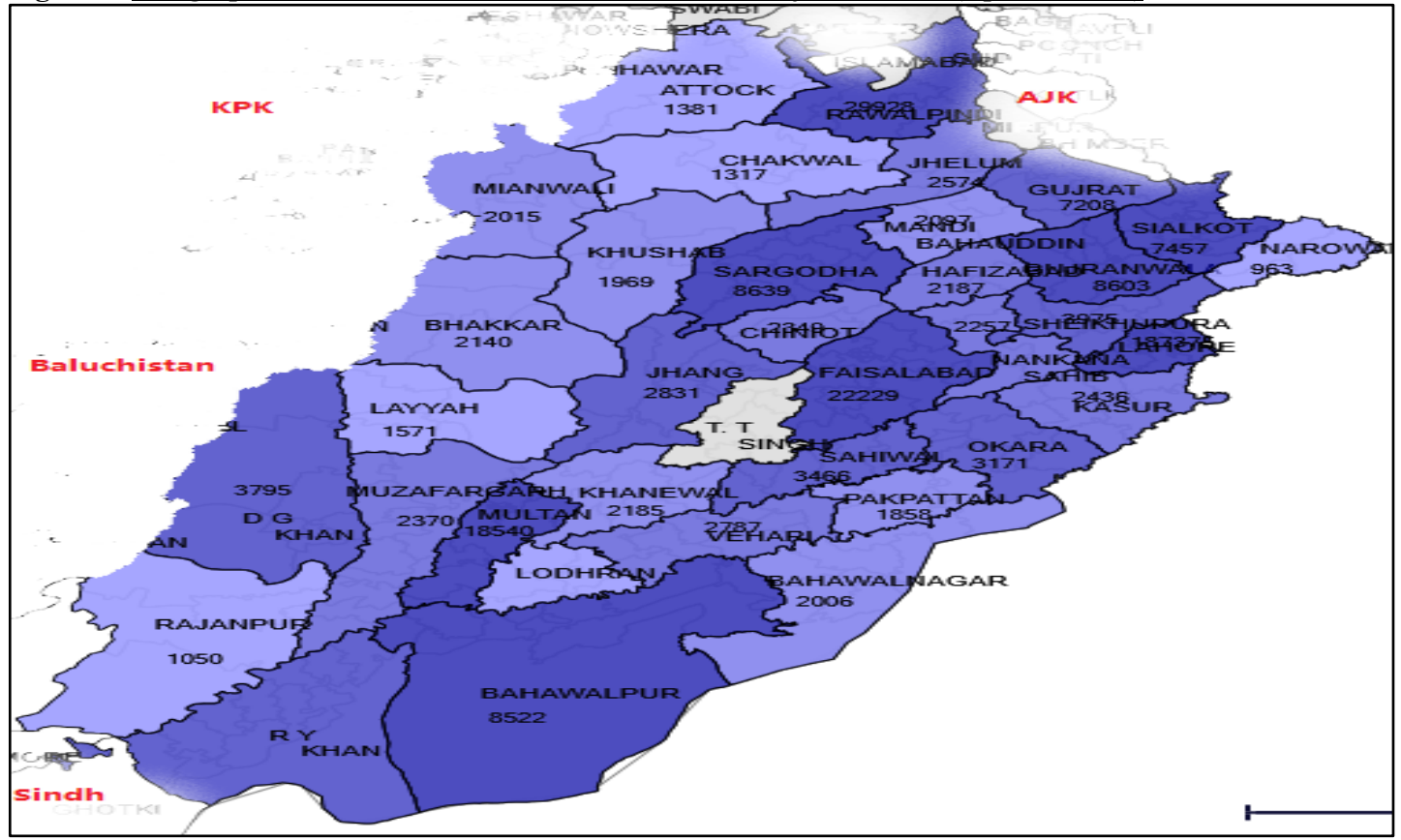


PDSRU Punjab

PDSRU Punjab has reported total 6,266,745 suspected cases of COVID-19 and out of these 364,680 were lab confirmed COVID-19 cases up to Aug 07, 2021. 335,079 cases have recovered and 11,199 cases expired due to COVID-19. District

Lahore has the highest number of confirmed cases (n=1,87,375) followed by District Rawalpindi (n=29,928), District Faisalabad (n=22,229), District Multan (n=18,540) and District Gujranwala (n=8,603) respectively.

Figure-3: Geographical Distribution of COVID-19 Cases in Punjab Province (Up to week 32)



PDSRU - Baluchistan province

The department of Health Baluchistan has reported 30,278 positive cases of COVID-19 and 331 deaths until Aug 07, 2021. 28,930 cases have recovered. District Quetta has the highest number of confirmed cases (n=19,913) followed by District Kech

(n=2,267), District Khuzdar (n=1,170) and District Lasbela (n=787). Age group 30-44 has the highest number of COVID-19 cases (n=9,457) followed by age group 15-29 (n=8,766) & age group 45-59 (n=5,068).

Figure-4: Geographical Distribution of COVID-19 Cases in Baluchistan Province (Cumulative up to Week 32)

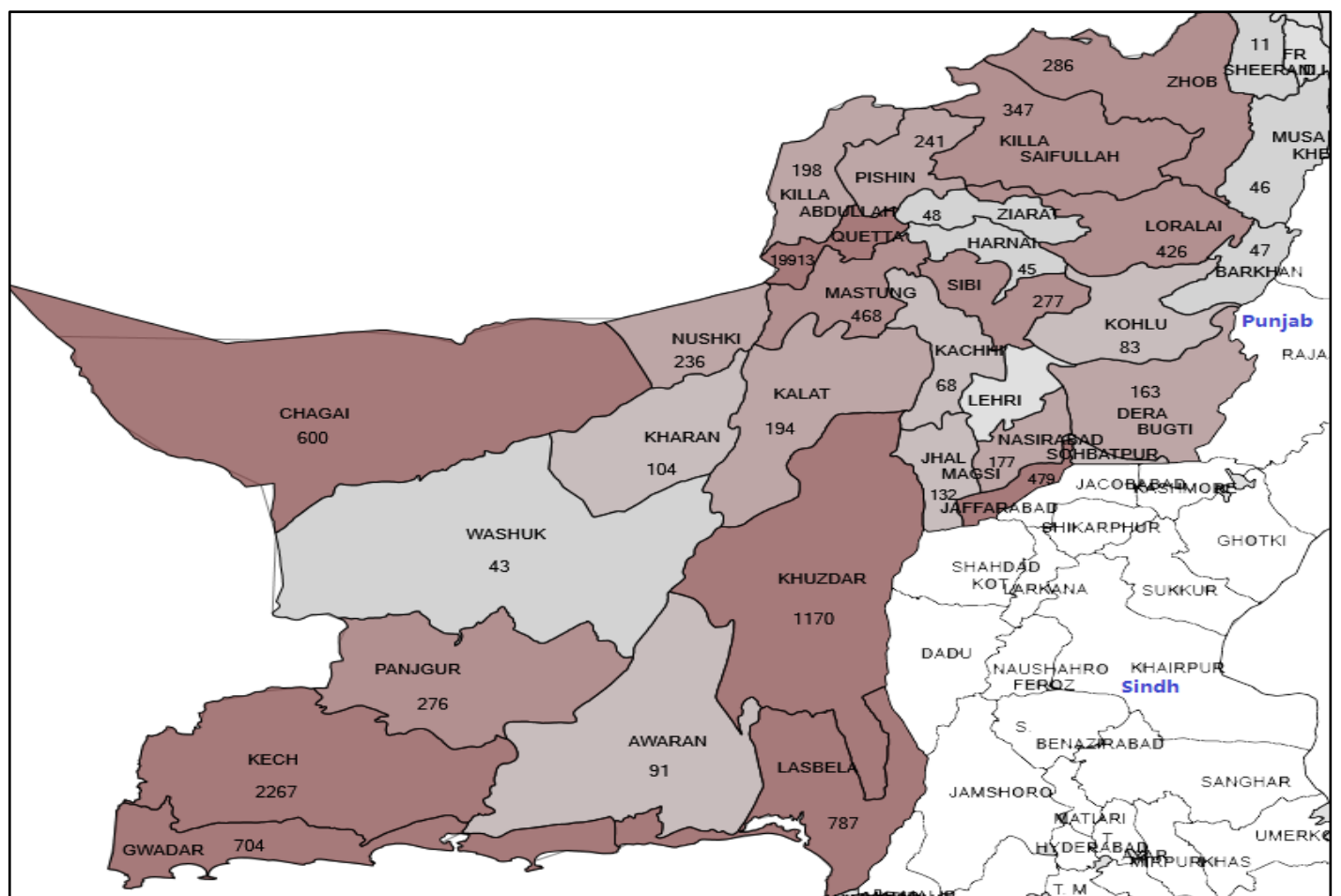
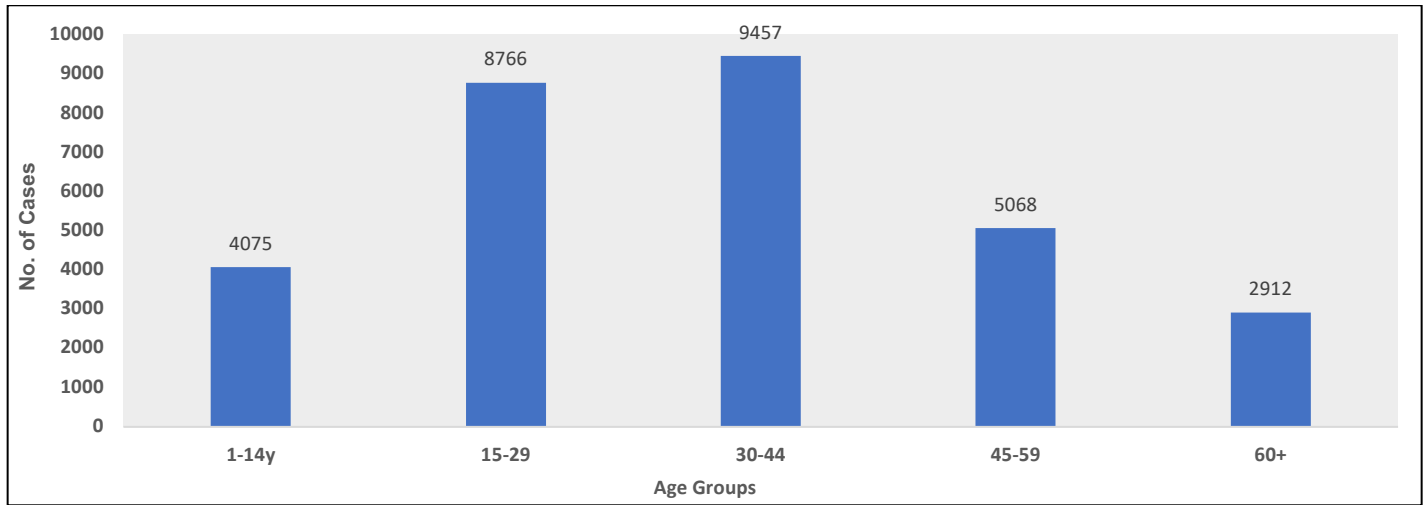


Figure-5: Baluchistan –Age group wise distribution of COVID-19 positive cases (up to Aug 07,2021)



PDSRU- Gilgit-Baltistan (GB)

PDSRU GB has reported total 156,586 suspected cases of COVID-19 and out of these 10,948 were lab confirmed COVID-19 up to Aug 07,2021 and 867 cases were detected during last week, while no lab results are awaited. 135,691 suspects were declared

negative for COVID-19. 7,482 cases have recovered from COVID-19 while 153 cases expired. During current week highest number of COVID-19 cases were detected in District Skardu (n=223) followed by District Gilgit (n=195) and District Ghizer (n=156).

Table -2 Detail of number of samples, confirmed Covid-19 cases & Deaths in GB up to Aug 07,2021

District	Number of Suspects	Negative	Positive	Awaited	Recovered	Expired	Samples Discarded
Astore	16730	14974	53	00	481	05	08
Diamer	19983	17707	57	00	380	05	01
Ghanche	9408	8946	21	00	197	06	96
Ghizer	13823	12611	156	00	579	08	02
Gilgit	37174	32638	195	00	3269	69	84
Hunza	19384	11834	116	00	795	03	17
Kharmang	6159	5929	09	00	164	00	26
Nagar	7085	6487	21	00	230	04	02
Shigar	5965	5606	16	00	208	04	28
Skardu	20875	18959	223	00	1179	49	82
Grand Total	156586	135691	867	00	7482	153	346

Figure-6: GB-District-Wise distribution of confirmed COVID-19 cases, Aug 01-07,2021

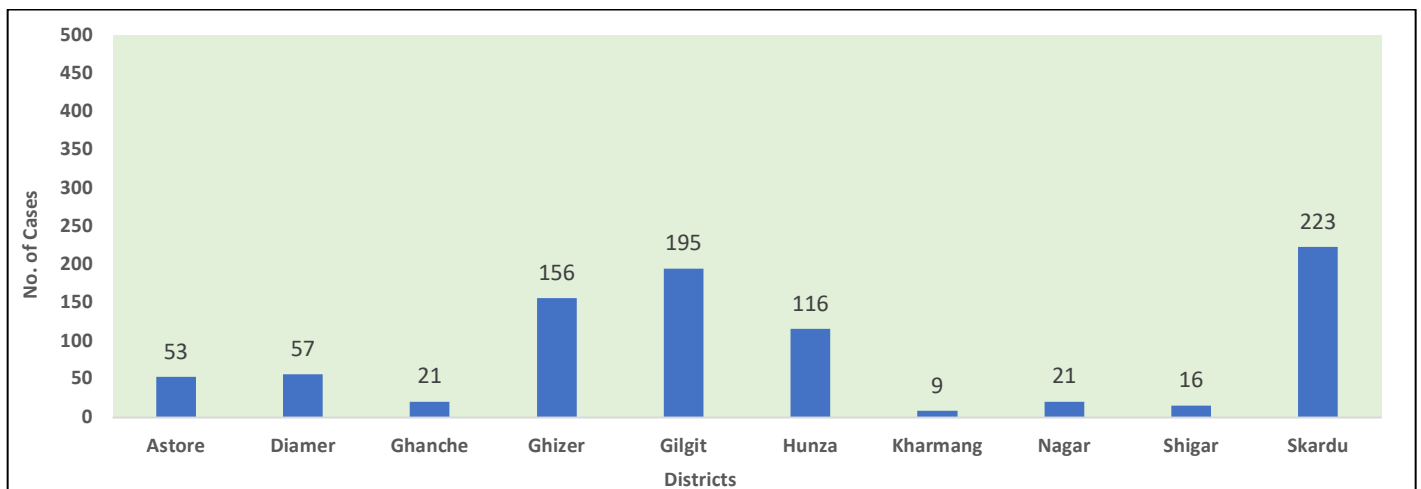
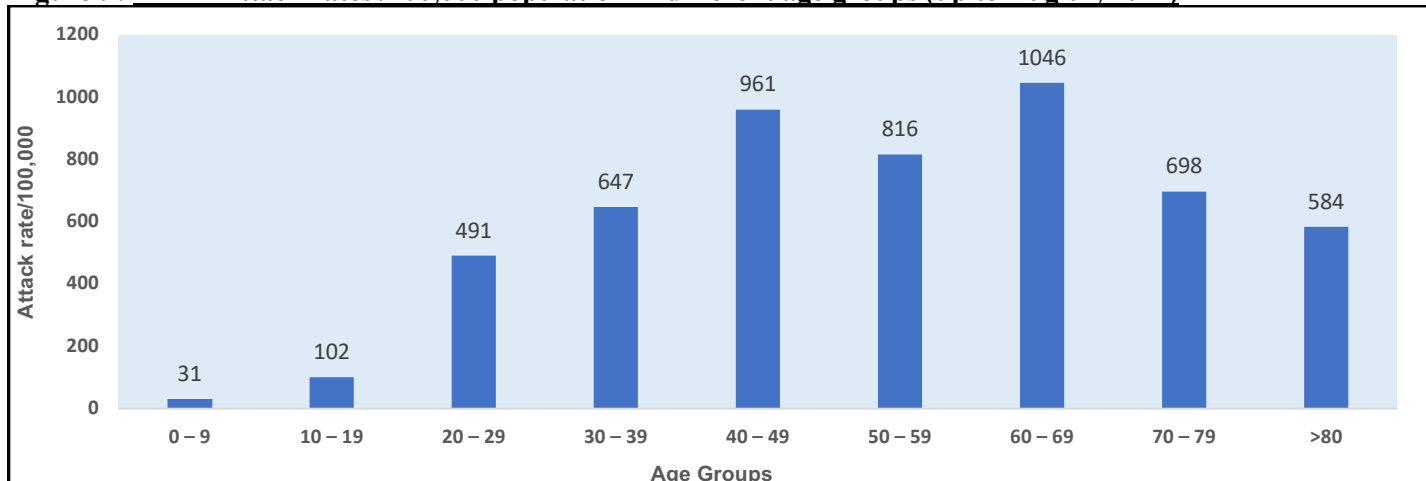


Figure-9: KPK –Attack rates /100,000 population in different age groups (up to Aug 07, 2021)

Communicable Disease Surveillance

Measles Surveillance:

In 2020, total **1986** confirmed Measles cases reported from all PDSRUs/RDSRUs. In week 32, 110 cases of measles were reported from KPK & Baluchistan.

Dengue Surveillance:

In 2018, total **3204** Dengue cases reported from Sindh. In 2019 total **24,610** cases reported which includes **48** new case reported from Baluchistan. In week 32, 147 cases were reported from Baluchistan & Sindh.

Diphtheria/Pertussis Surveillance:

During 2018 total **464** and during 2019 total **614**-suspected cases of Diphtheria were reported. In week 32, no case of was reported from any province or region.

CCHF Surveillance:

In 2018, total **63** CCHF (suspected and confirmed) cases were reported from DSRUs and **75** cases have been reported in 2019. During week 32, 03 new cases were reported from Baluchistan.

Table-4: Weekly and Cumulative Diseases Updates Aug 07, 2021

	Disease	Total Cases in 2020	Aug 01-07, 2021	Total Cases in 2021
1	CCHF	19	3	17
2	Varicella	235	0	0
3	Dengue	4024	147	2558
4	Chikungunya	0	0	0
5	Measles	1986	110	3911
6	Diphtheria/Pertussis	140	0	35
7	Suspected / confirmed Seasonal Influenza	9	0	0
8	NNT	150	1	27

Table 5: Dengue cases reported in 2017, 2018, month-wise distribution in 2019 & current week (All provinces and regions)

Month	KPK	Sindh	AJK	ICT	TDs - KP	Baluch	Punjab	Total
Jan-Dec 2017	18,857	2,884	6	120	406	86	579	22,938
Jan-Dec 2018	332	2088	1	0	175	69	539	3204
Jan-Dec 2019	5214	2937	506	2847	1484	2841	8826	24547
Jan-Dec 2020	3	2722	2	184	0	493	38	3,442
Total	24406	10631	515	3151	2065	3489	9982	54131
07/08/2021	0	83	0	0	0	64	0	147
Total (2021)	0	1316	0	0	24	1218	0	2558

Extensive drug Resistant (XDR) Typhoid Fever Surveillance in Sindh Province

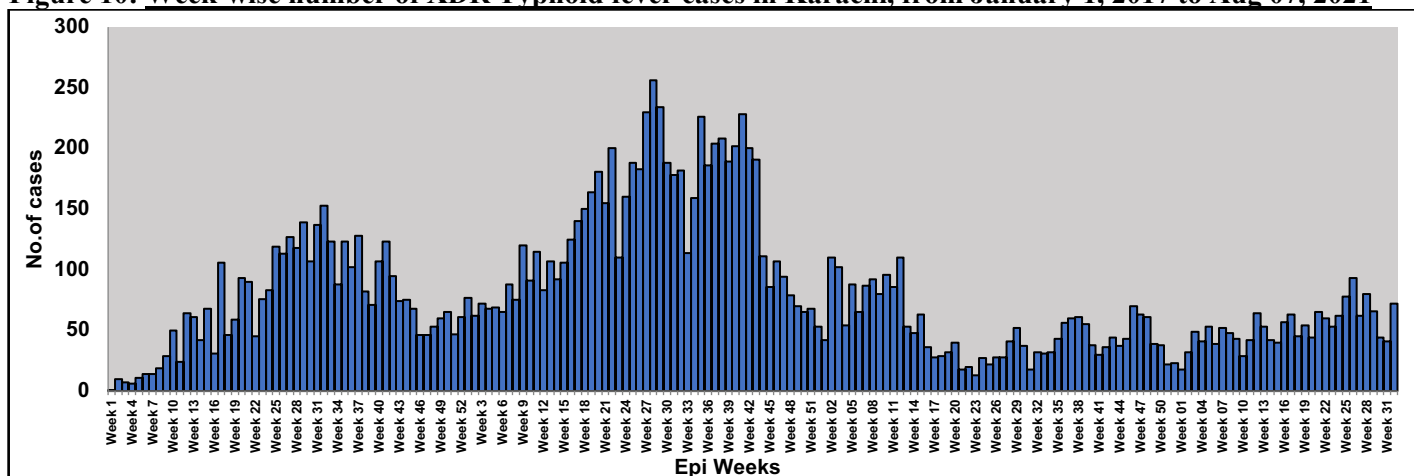
In Karachi total 15,172 cases of extensive drug resistance typhoid fever were reported from January 01, 2017 to Aug 07, 2021. During current week total 72 cases of XDR typhoid fever were reported from different hospitals in Karachi. The XDR Typhoid cases were reported mostly among the children and maximum number of XDR cases 6355 (42%) were

reported in the age group 0-4 years. The overall attack rate was 76/100,000. The age group 0-4 years was the most affected (attack rate 233/100,000) followed by age group 5-9 years (attack rate 161/100,000). Females have higher attack rate 84/100,000 as compared to Males.

Table-6: Number of XDR Typhoid fever cases Karachi from January 1, 2017 to Aug 07, 2021

Year	Year	XDR Cases
Jan to December	2017	175
Jan to December	2018	3712
Jan to December	2019	7088
Jan to December	2020	2510
Till Aug 07, 2021	2021	1687
Total		15,172

Figure 10: Week-wise number of XDR Typhoid fever cases in Karachi, from January 1, 2017 to Aug 07, 2021



XDR Typhoid Surveillance Data Sindh-Province (Excluding Karachi)

Total 7731 Salmonella Typhoid cases reported from November 2016 to Aug 07, 2021 from different districts of Sindh province (excluding Karachi). Among these cases 5905 were Extensive Drug Resistant cases. Out of these cases n=4101 (69.5%) were reported from District Hyderabad. The most

affected age group was 0 to 4 years (n=1505) with attack rate 51.0/10000 population followed by 5-9 years of age group (n= 1135) with attack rate 38.7/10000 population. Over all attack rate is 18.8/10000 population (n=4101).

Table 7: Extensive drug Resistant (XDR) Typhoid Fever Surveillance Hyderabad and other districts

Year	Hyderabad	Other District	Total
2016	12	0	12
2017	485	4	489
2018	891	207	1098
2019	1645	998	2643
2020	708	415	1123
January 01 – July 31, 2021	350	171	526
Current week Aug 01-07, 2021	10	4	14
Total	4101	1799	5905

Figure 11: XDR Typhoid Cases District Hyderabad Nov-2016 to Aug 07, 2021

