



WEEKLY FIELD EPIDEMIOLOGY REPORT

Volume 3—Issue 15 Apr 04-10, 2021

Date: April 14, 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 121,657 travelers have been traced and contacted by April 10, 2021.

Table-1: Weekly Surveillance data COVID-19 by April 10, 2021

Province/ Region	Suspected cases reported		Lab Update		Hospital Update	
	Cumulative	Tests performed (Cumulative)	Tested positive cases (Cumulative)	Still admitted	Discharged/Recovered	Expired
AJK	156,178	158,174	14,461	85	11,910	399
Baluchistan	216,287	217,116	20,241	12	19,330	215
GB	99,900	102,332	5,127	04	4,919	103
Islamabad	1,337,925	1,377,305	65,700	540	52,298	607
KP	1,321,873	1,438,548	98,301	1,431	83,225	2,618
Punjab	4,035,083	4,054,099	248,438	2,503	202,368	6,972
Sindh	3,376,270	3,387,386	268,750	345	257,650	4,529
Total	10,543,516	10,734,960	721,018	4,920	631,700	15,443

PDSRU SINDH

Total 269,473 confirmed COVID-19 cases were reported from Sindh until Apr 10,2021. Most of these cases were reported from District Karachi (n=192,161) followed by District Hyderabad (n=12,923), District Ghotki (n=4,834) and District

Sukkur (n=4,613). Age group ≥ 70 has the highest attack rate (1426/100,000) followed by 50-59 years age group (1413/100,000), 60-69 years age group (1193/100,000) & 30-39 years age group (1101/100,000 population).

Figure-1: Sindh - District-wise distribution of COVID-19 cases (Cumulative up to week 15)

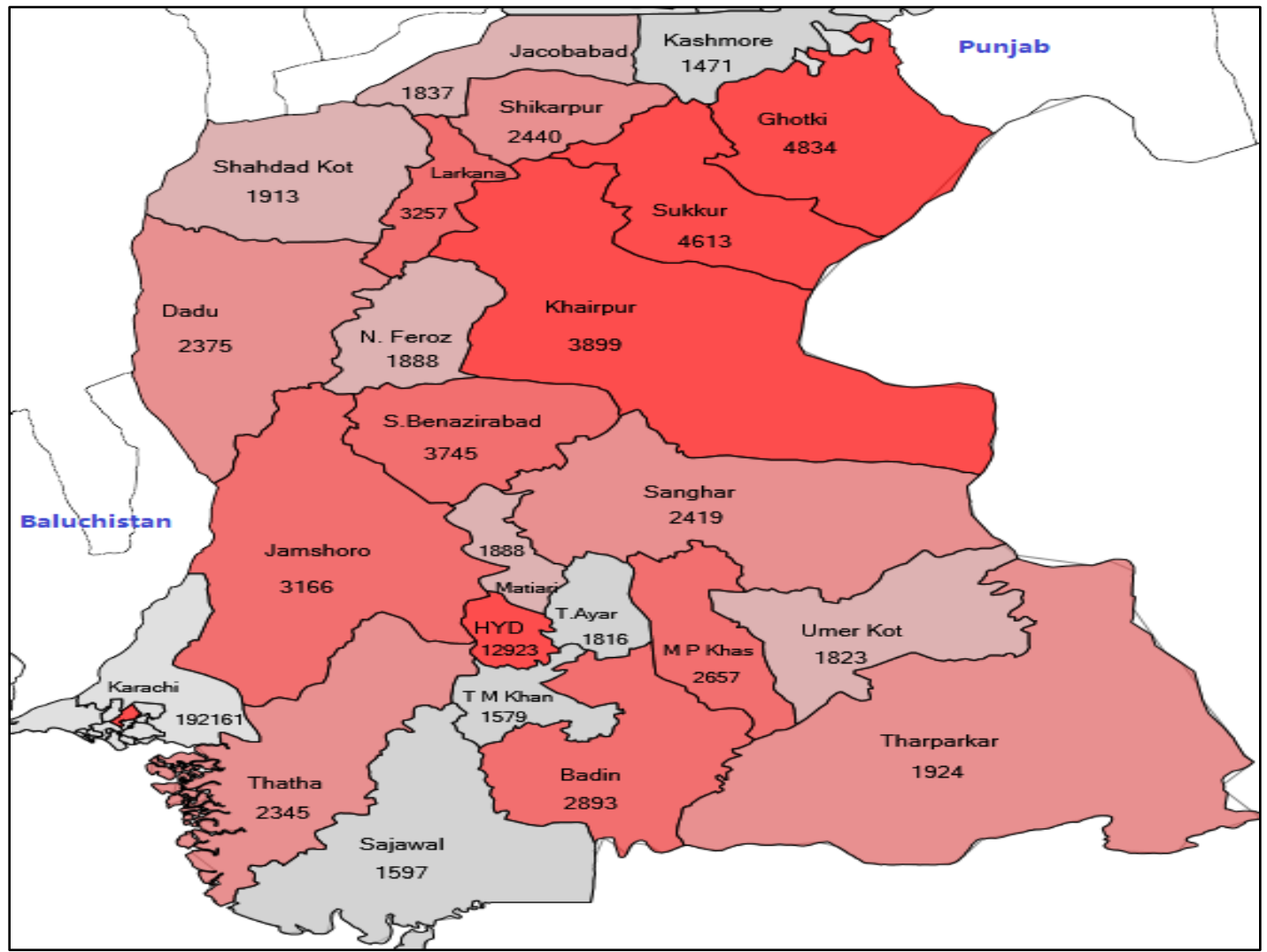
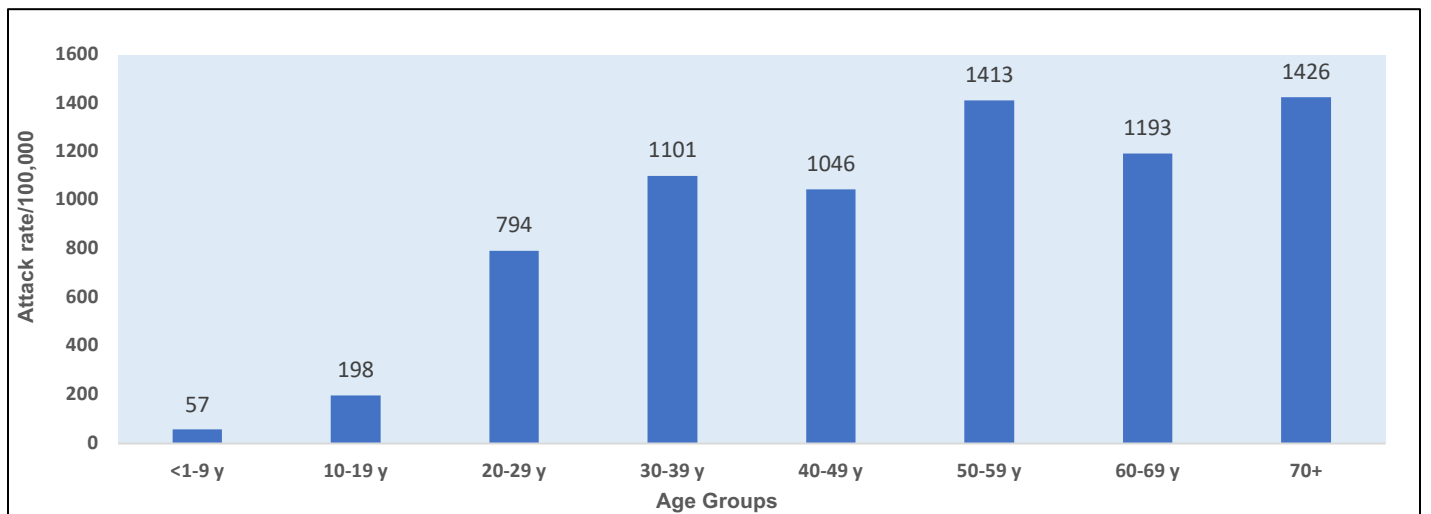


Figure-2: Sindh – Age group-wise Attack Rates /100,000 population (Apr 10, 2021)



PDSRU - Baluchistan province

The department of Health Baluchistan has reported 20,321 positive cases of COVID-19 and 215 deaths until April 10, 2021. 19,375 cases have recovered. District Quetta has the highest number of confirmed cases(n=13,936) followed by District Kech (n=962), District Khuzdar (n=651) and District Lasbela

(n=594). Age group 30-44 has the highest number of COVID-19 cases (n=6,599) followed by age group 15-29 (n=5,895) & age group 45-59 (n=3,306).

Figure-5: Geographical Distribution of COVID-19 Cases in Baluchistan Province (Cumulative up to Week 15)

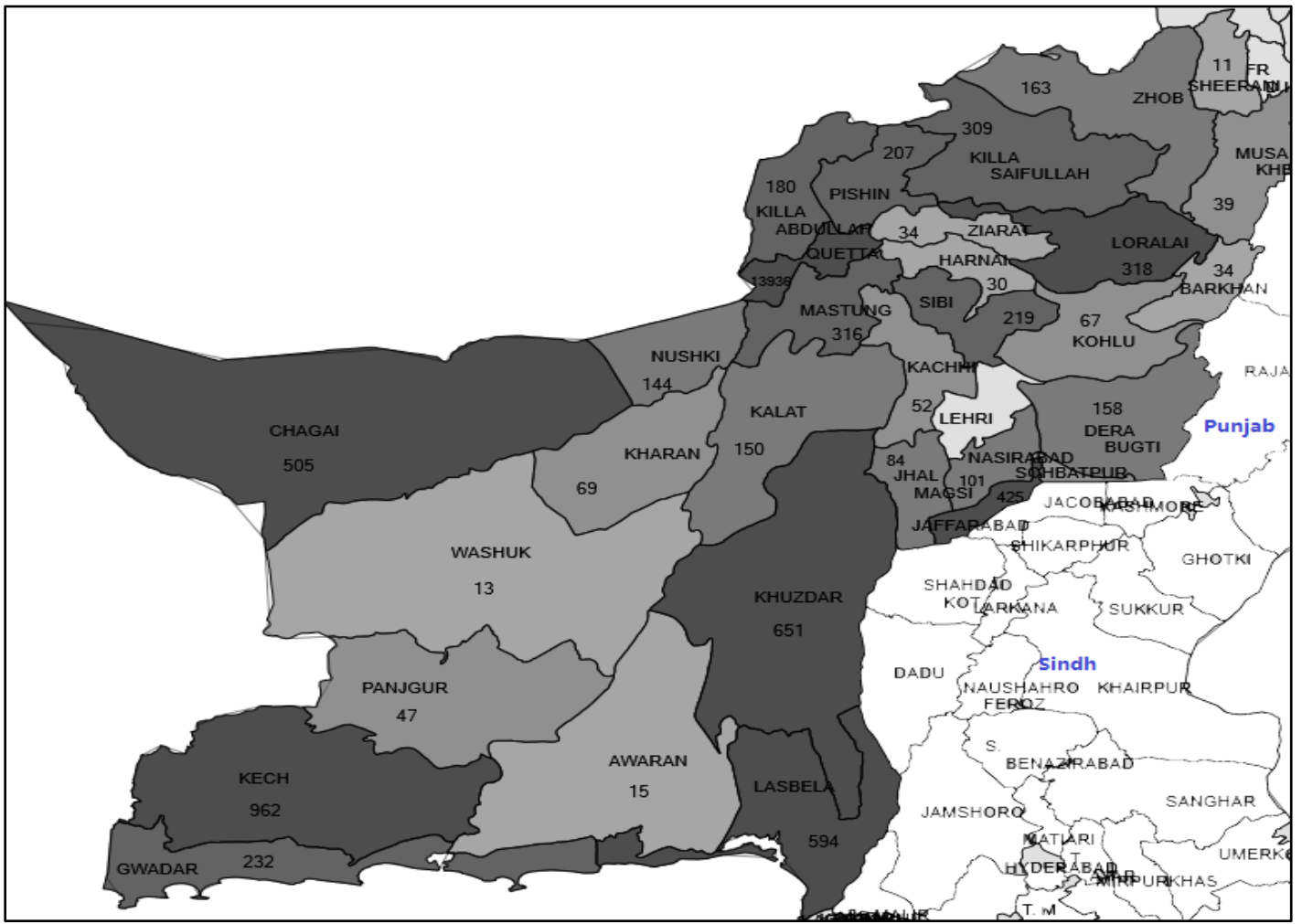
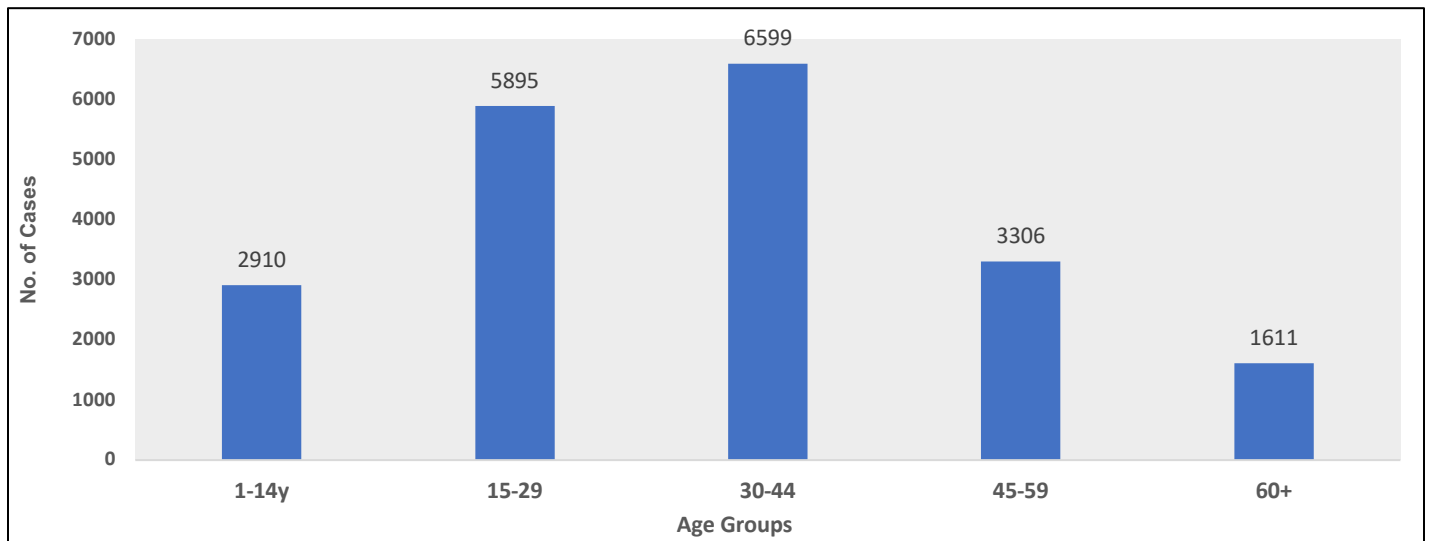


Figure-6: Baluchistan –Age group wise distribution of COVID-19 positive cases (up to Apr 10,2021)



PDSRU- Gilgit-Baltistan (GB)

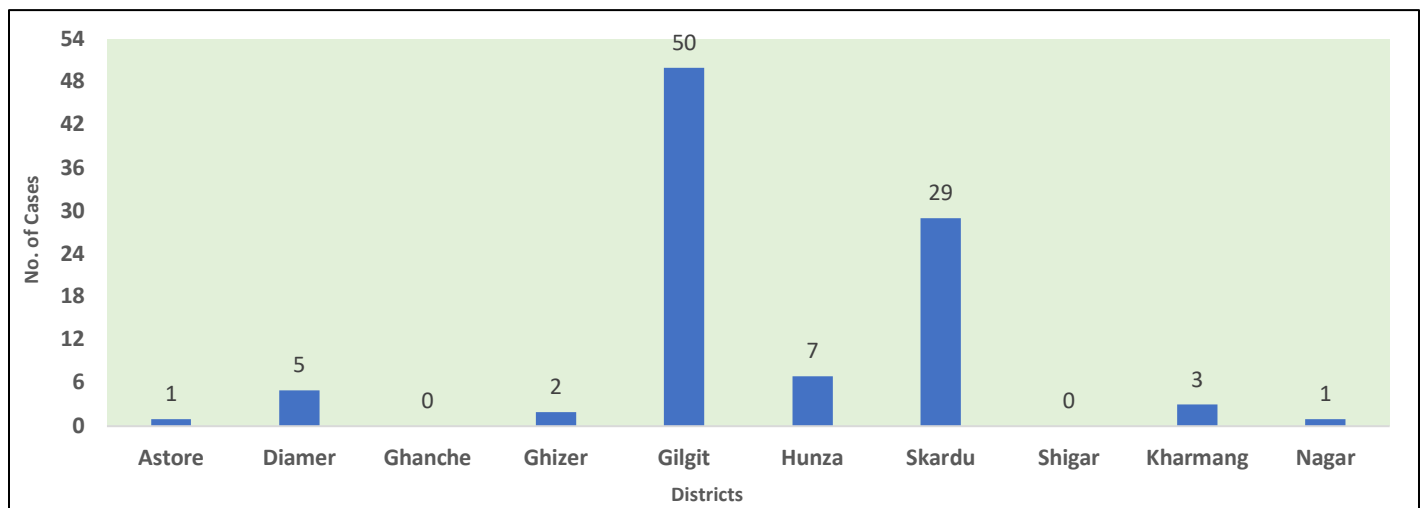
PDSRU GB has reported total 101,097 suspected cases of COVID-19 and out of these 6,170 were lab confirmed COVID-19 up to April 10,2021 and 98 cases were detected during last week, while no lab results are awaited. 100,751 samples were processed and 87,009 suspects were declared negative for

COVID-19. 4,713 cases have recovered from COVID-19 while 103 cases expired. During current week highest number of cases COVID-19 were detected in District Gilgit (n=50) followed by District Skardu (n=29) and District Hunza (n=7).

Table -2 Detail of number of samples, confirmed Covid-19 cases & Deaths in GB up to April 10,2021

District	Number of Samples	Negative	Total Samples Processed	Positive	Awaited	Recovered	Expired	Samples Discarded
Astore	10899	10094	10891	01	00	394	05	08
Diamer	12488	10953	12487	05	00	274	05	01
Ghanche	6481	6047	6385	00	00	120	05	96
Ghizer	7640	7026	7638	02	00	430	07	02
Gilgit	23059	20560	22975	50	00	1766	39	84
Hunza	13945	7748	13928	07	00	622	03	17
Kharmang	4762	4600	4736	03	00	116	00	26
Nagar	5216	4683	5214	01	00	203	04	02
Shigar	4443	4152	4415	00	00	144	04	28
Skardu	12164	11146	12082	29	00	644	31	82
Grand Total	101097	87009	100751	98	00	4713	103	346

Figure-7: GB-District-Wise distribution of confirmed COVID-19 cases, April 04-10,2021



PDSRU-AJK

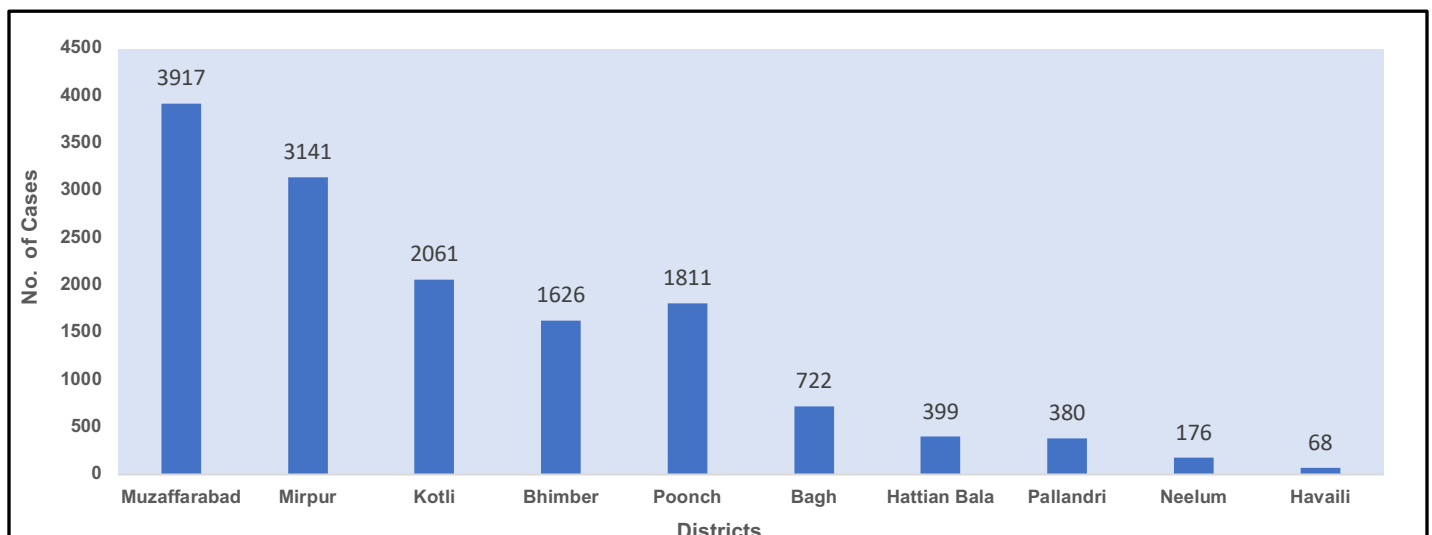
PDSRU AJK has reported total 159,435 suspected cases of COVID-19 and out of these 14,594 were lab confirmed COVID-19 up to April 10, 2021 while no lab-results of suspected cases are awaited. 12,021

cases have recovered from COVID-19 and 403 cases expired due to COVID-19. District Muzaffarabad has the highest number of cases (n=3917) followed by District Mirpur (n=3141), District Kotli (n=2061) and District Poonch (n=1811).

Table -3: Distribution of suspected and confirmed Covid-19 cases in AJK up to April 10,2021

Total Suspected Cases	Lab Tests Conducted	Lab Confirmed Cases	Active Cases	Recovered	Total Deaths
159,435	159,338	14,594	2170	12,021	403

Figure-8: AJK-District-Wise distribution of confirmed COVID-19 cases up to April 10,2021



PDSRU-KPK

PDSRU KPK has reported total 13,21873 suspected cases of COVID-19 and out of these 99,595 were lab confirmed COVID-19 up to April 10, 2021 while 2,651 patients expired. District Peshawar has the highest number of cases (n=40,338) followed by

District Swat (n=5,979), District Abbottabad (n=4,368) and District Nowshera (n=4,167). Age group 60-69 years has the highest attack rate/100,000 (AR=696) followed by 40-49 years age group (AR=640) and 50-59 years age group (AR=543).

Figure-11: Geographical Distribution of COVID-19 Cases in KPK Province (Cumulative up to Week 15)

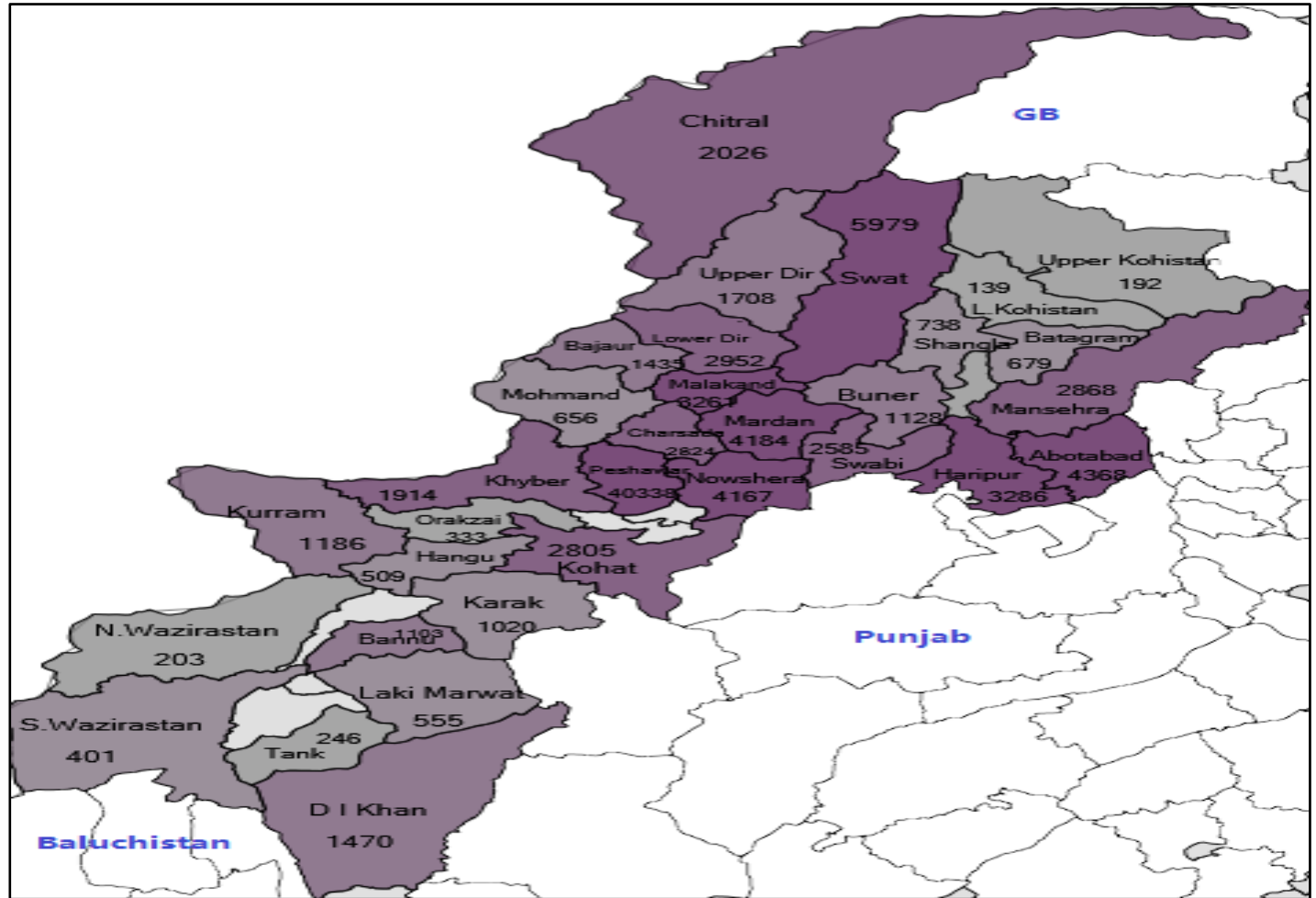
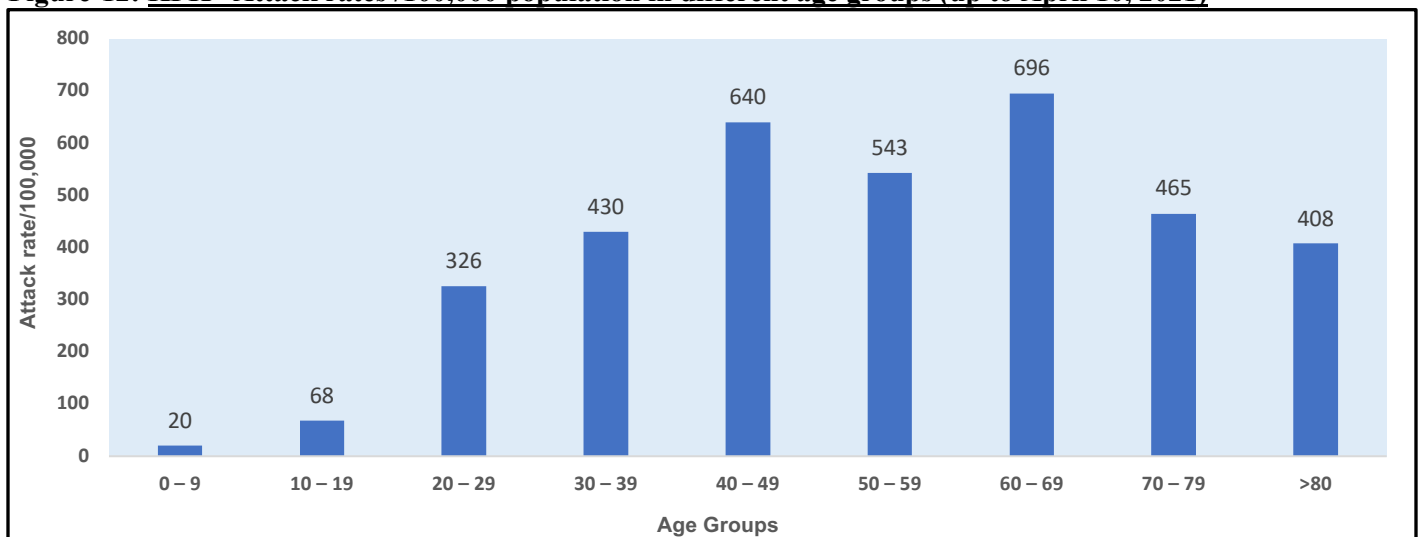


Figure-12: KPK –Attack rates /100,000 population in different age groups (up to April 10, 2021)



Communicable Disease Surveillance

Measles Surveillance:

In 2020, total 1986 confirmed Measles cases reported from all PDSRUs/RDSRUs. In week 15, 178 cases of measles were reported from KPK & Baluchistan.

Diphtheria Surveillance:

During 2018 total 464 and during 2019 total 614-suspected cases of Diphtheria were reported. In week 15, no case was reported.

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 15, 49 cases were reported from Sindh & Baluchistan.

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 15, no case was reported.

Table-4: Weekly and Cumulative Diseases Updates Apr 10, 2021

	Disease	Total Cases in 2020	Apr 04-10, 2021	Total Cases in 2021
1	CCHF	19	0	2
2	Varicella	235	0	0
3	Dengue	4024	49	657
4	Chikungunya	0	0	0
5	Measles	1986	178	1550
6	Diphtheria	140	0	7
7	Suspected / confirmed Seasonal Influenza	9	0	0
8	NNT	150	7	17

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
10/04/2021	0	31	0	0	0	18	0	49
Total (2021)	0	413	0	0	0	244	0	657

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

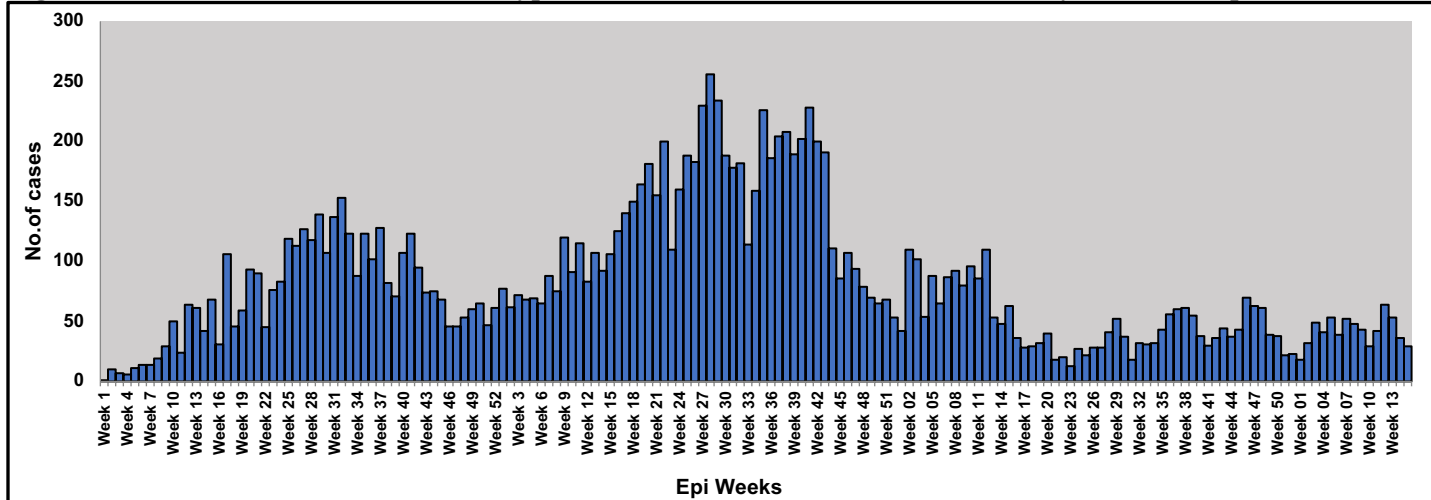
In Karachi total 13,990 cases of extensive drug resistance typhoid fever were reported from January 01, 2017 to Apr 10, 2021. During current week total 29 cases of XDR typhoid fever were reported from different hospitals in Karachi. The XDR Typhoid cases were reported mostly among the children and maximum number of XDR cases 5847 (41%) were

reported in the age group 0-4 years. The overall attack rate was 70/100,000. The age group 0-4 years was the most affected (attack rate 214/100,000) followed by age group 5-9 years (attack rate 153/100,000). Females have higher attack rate 79/100,000 compared to Males.

Table-6: Number of XDR Typhoid fever cases Karachi from January 1, 2017 to Apr 10, 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 April 10, 2021	2021	505
Total		13,990

Figure 13: Week-wise number of XDR Typhoid fever cases in Karachi, from January 1, 2017 to Apr 10, 2021



XDR Typhoid Surveillance Data Sindh-Province (Excluding Karachi)

Total 7328 Salmonella Typhoid cases reported from November 2016 to Apr 10, 2021 from different districts of Sindh province (excluding Karachi). Among these cases 5592 were Extensive Drug Resistant cases. Out of these cases n=3891 (69.6%) were reported from District Hyderabad. The most affected age group was 0 to 4 years (n=1447) with attack rate 49/10000 population followed by 5-9 years of age group (n= 1084) with attack rate 37/10000 population. Over all attack rate is 17.8/10000 population (n=3891).

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 – Apr 03, 2021	136	70	206
Current week Apr 04-10, 2021	14	7	21
Total	3891	1701	5592

Figure 14: XDR Typhoid Cases District Hyderabad Nov-2016 to Apr 10, 2021

