



WEEKLY FIELD EPIDEMIOLOGY REPORT

Volume 3-- Issue 07 Feb 07-13, 2021

Date: February 17, 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 SITRIP 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 109,427 travelers have been traced and contacted by February 13, 2021.

Table-1: Weekly Surveillance data COVID-19 by February 13, 2021

Province/ Region	Suspected cases reported	Lab Update		Hospital Update		
	Cumulative	Tests performed (Cumulative)	Tested positive cases (Cumulative)	Still admitted	Discharged/Recovered	Expired
AJK	114,255	114,820	9,448	37	8,694	281
Baluchistan	182,781	183,482	18,929	01	18,638	199
GB	81,056	82,285	4,940	5	4,805	102
Islamabad	1,035,509	1,051,315	42,590	142	40,736	485
KP	982,665	1,036,466	69,778	403	65,520	1,991
Punjab	3,089,736	3,102,322	163,833	1,013	151,551	5,037
Sindh	2,850,393	2,863,408	253,511	524	235,143	4,212
Total	8,336,395	8,434,098	563,029	2,125	525,087	12,307

PDSRU SINDH

Total 254,015 confirmed COVID-19 cases were reported from Sindh until Feb 13,2021. Most of these cases were reported from District Karachi (n=179,081) followed by District Hyderabad (n=11,397), District Ghotki (n=4,490) and District

Sukkur (n=4,489). Age group 50-59 has the highest attack rate (1321/100,000) followed by ≥70 years age group (1313/100,000), 60-69 years age group (1151/100,000) & 30-39 years age group (1038/100,000 population).

Figure-1: Sindh - District-wise distribution of COVID-19 cases (Cumulative up to week 07)

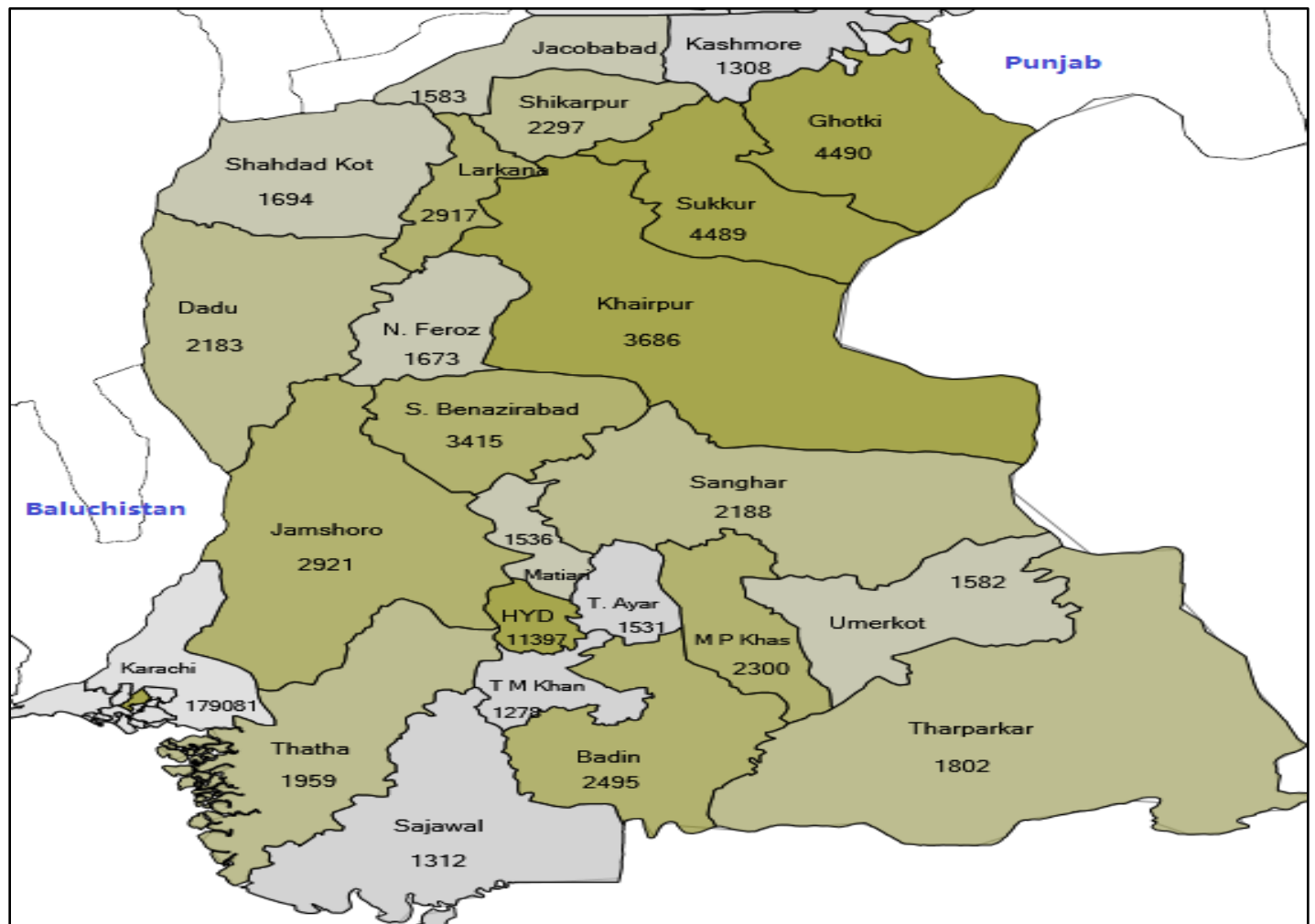
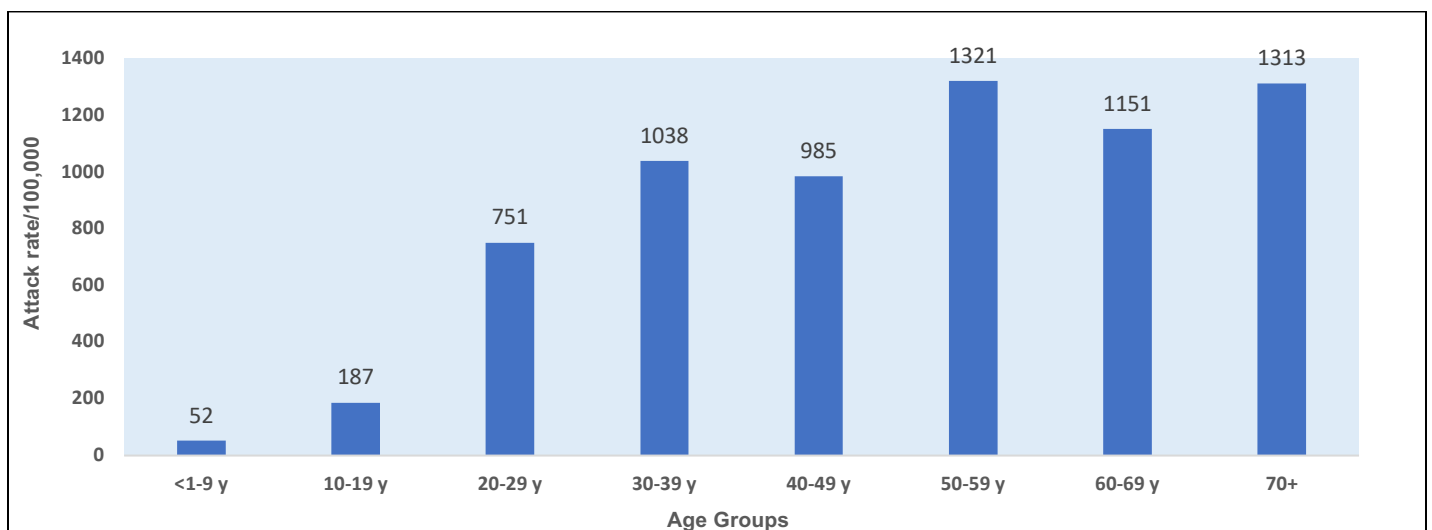


Figure-2: Sindh – Age group-wise Attack Rates /100,000 population (Feb 13, 2021)



PDSRU - Baluchistan province

The department of Health Baluchistan has reported 18,942 positive cases of COVID-19 and 196 deaths until Feb 13, 2021. 18,655 cases have recovered. District Quetta has the highest number of confirmed cases(n=12,917) followed by District Kech (n=914), District Khuzdar (n=563) and District Lasbela

(n=562). Age group 30-44 has the highest number of COVID-19 cases (n=6,184) followed by age group 15-29 (n=5,378) & age group 45-59 (n=3,048).

Figure-5: Geographical Distribution of COVID-19 Cases in Baluchistan Province (Cumulative up to Week 07)

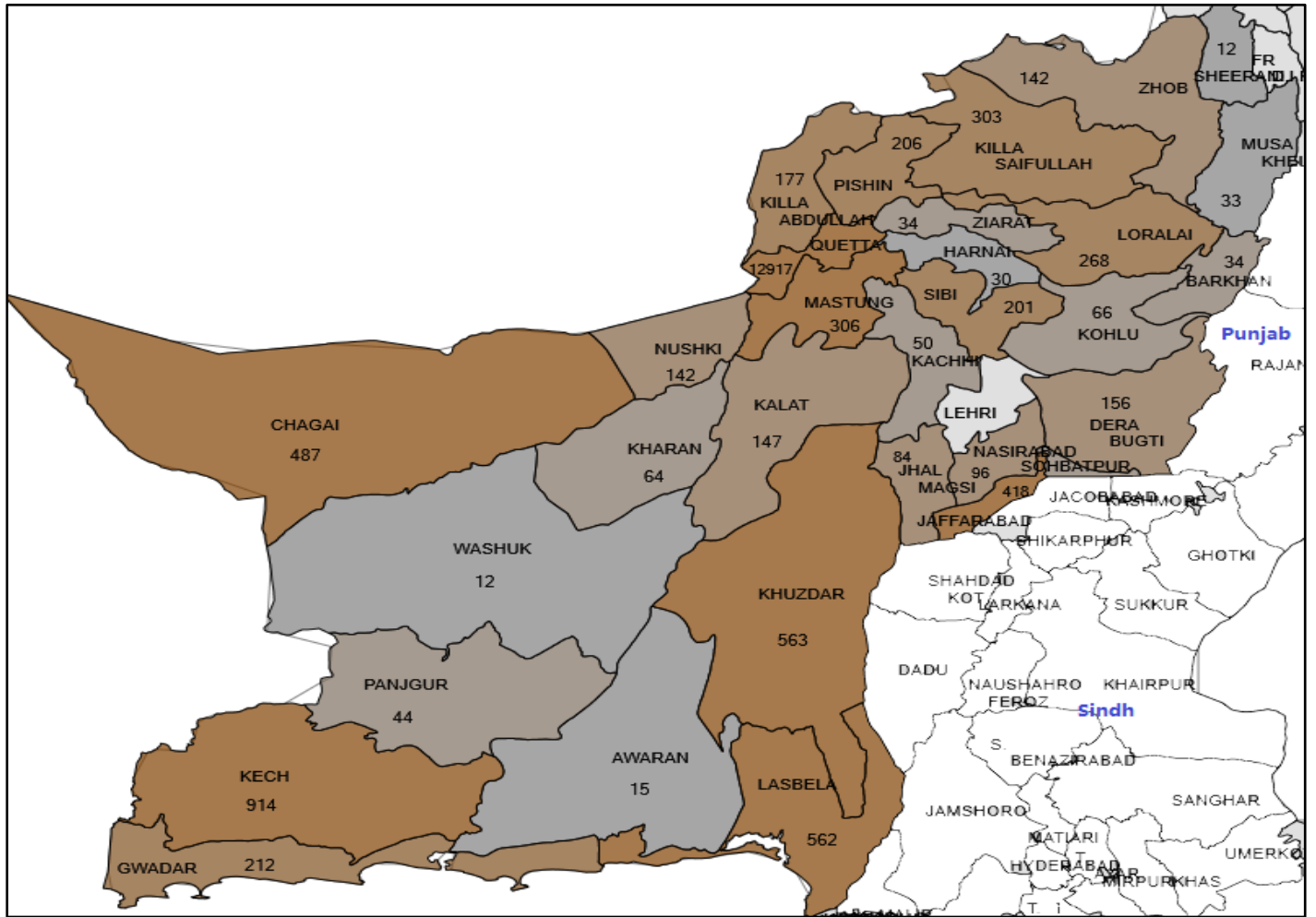
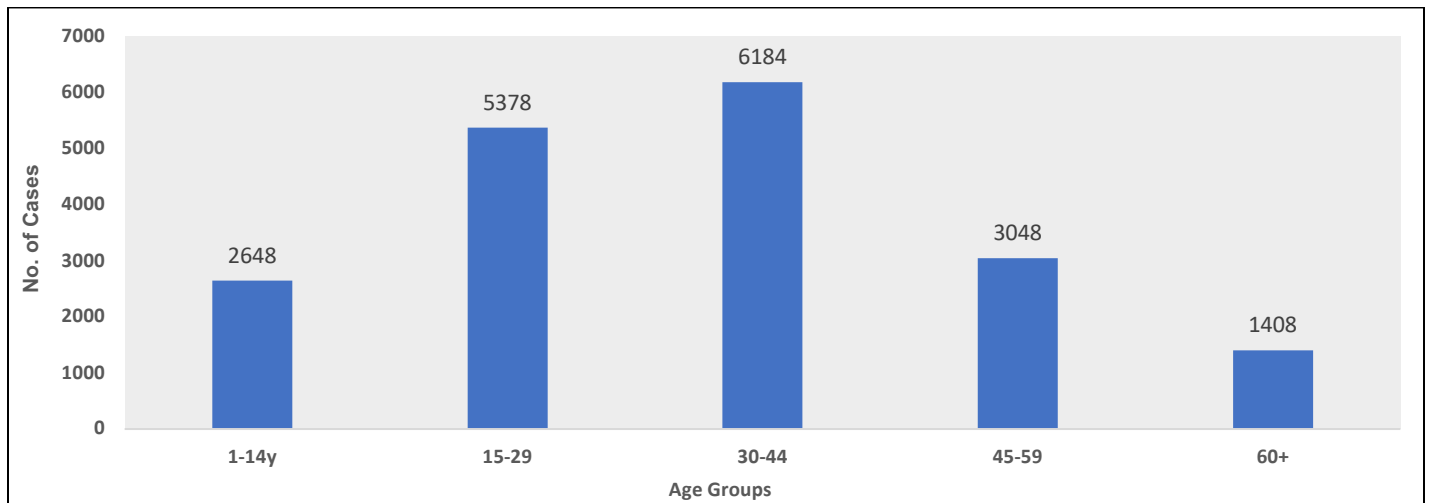


Figure-6: Baluchistan –Age group wise distribution of COVID-19 positive cases (up to Feb 13,2021)



PDSRU- Gilgit-Baltistan (GB)

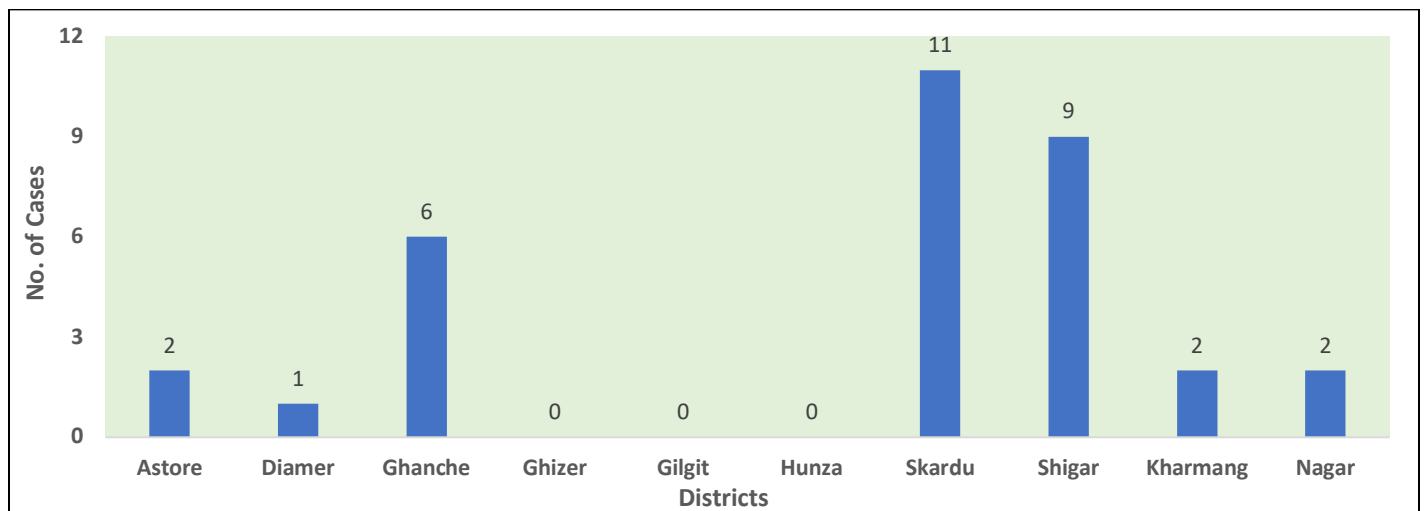
PDSRU GB has reported total 80,924 suspected cases of COVID-19 and out of these 5,919 were lab confirmed COVID-19 up to Feb 13,2021 and 33 cases were detected during last week, while no lab results are awaited. 80,578 samples were processed and 67,853 suspects were declared negative for

COVID-19. 4,600 cases have recovered from COVID-19 while 102 cases expired. During current week highest number of COVID-19 cases were detected in District Skardu (n=11) followed by District Shigar (n=9) and District Ghanche (n=6).

Table -2 Detail of number of samples, confirmed Covid-19 cases & Deaths in GB up to Feb 13,2021

District	Number of Samples	Negative	Total Samples Processed	Positive	Awaited	Recovered	Expired	Samples Discarded
Astore	9523	8719	9515	02	00	392	05	08
Diamer	10240	8710	10239	01	00	273	05	01
Ghanche	5189	4757	5093	06	00	113	04	96
Ghizer	6307	5696	6305	00	00	429	07	02
Gilgit	17710	15322	17626	00	00	1708	39	84
Hunza	11076	5725	11059	00	00	618	03	17
Kharmang	3882	3724	3856	02	00	113	00	26
Nagar	4093	3561	4091	02	00	201	04	02
Shigar	3501	3213	3473	09	00	132	04	28
Skardu	9403	8426	9321	11	00	621	31	82
Grand Total	80924	67853	80578	33	00	4600	102	346

Figure-7: GB-District-Wise distribution of confirmed COVID-19 cases, Feb 07-13,2021



PDSRU-AJK

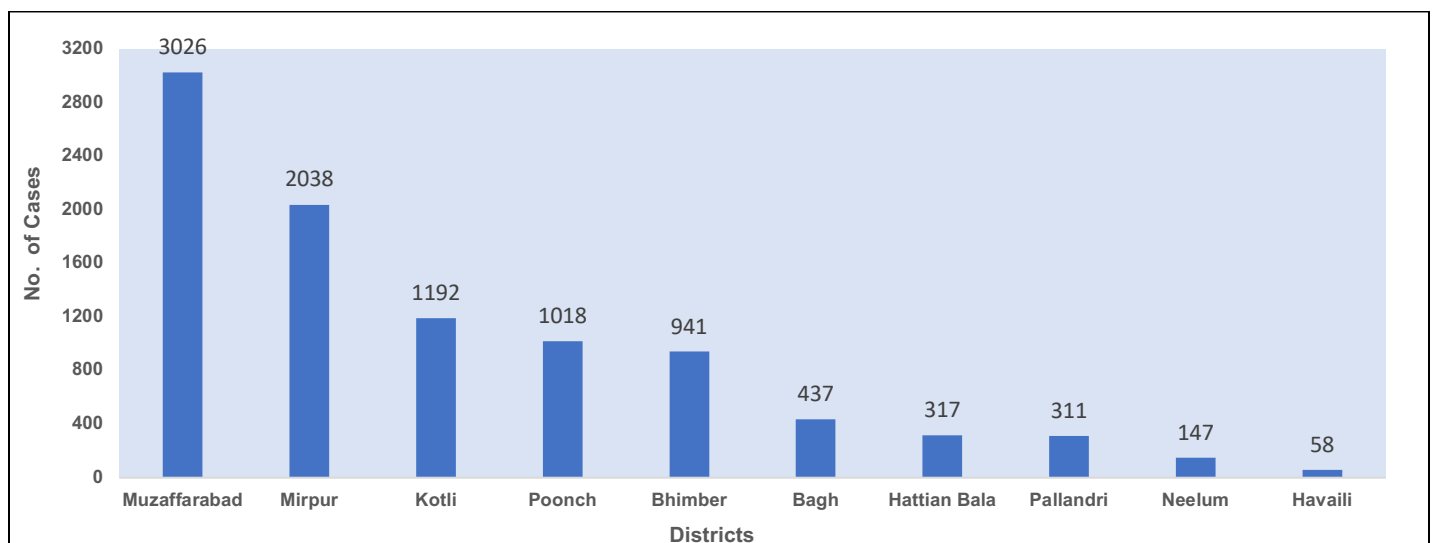
PDSRU AJK has reported total 115,102 suspected cases of COVID-19 and out of these 9,487 were lab confirmed COVID-19 up to Feb 13, 2021 while no lab-results of suspected cases are awaited. 8,725

cases have recovered from COVID-19 and 281 cases expired due to COVID-19. District Muzaffarabad has the highest number of cases (n=3026) followed by District Mirpur (n=2038), District Kotli (n=1192) and District Poonch (n=1018).

Table -3: Distribution of suspected and confirmed Covid-19 cases in AJK up to Feb 13,2021

Total Suspected Cases	Lab Tests Conducted	Lab Confirmed Cases	Active Cases	Recovered	Total Deaths
115,102	115,305	9,487	442	8,725	281

Figure-8: AJK-District-Wise distribution of confirmed COVID-19 cases up to Feb 13,2021



PDSRU-KPK

PDSRU KPK has reported total 982,665 suspected cases of COVID-19 and out of these 69,779 were lab confirmed COVID-19 up to Feb 13, 2021 while 1995 patients expired. District Peshawar has the highest number of cases (n=28,233) followed by District

Swat (n=3,859), District Abbottabad (n=3,404) and District Malakand (n=2,278). Age group 60-69 years has the highest attack rate/100,000 (AR=485) followed by 40-49 years age group (AR=448) and 50-59 years age group (AR=381).

Figure-11: Geographical Distribution of COVID-19 Cases in KPK Province (Cumulative up to Week 07)

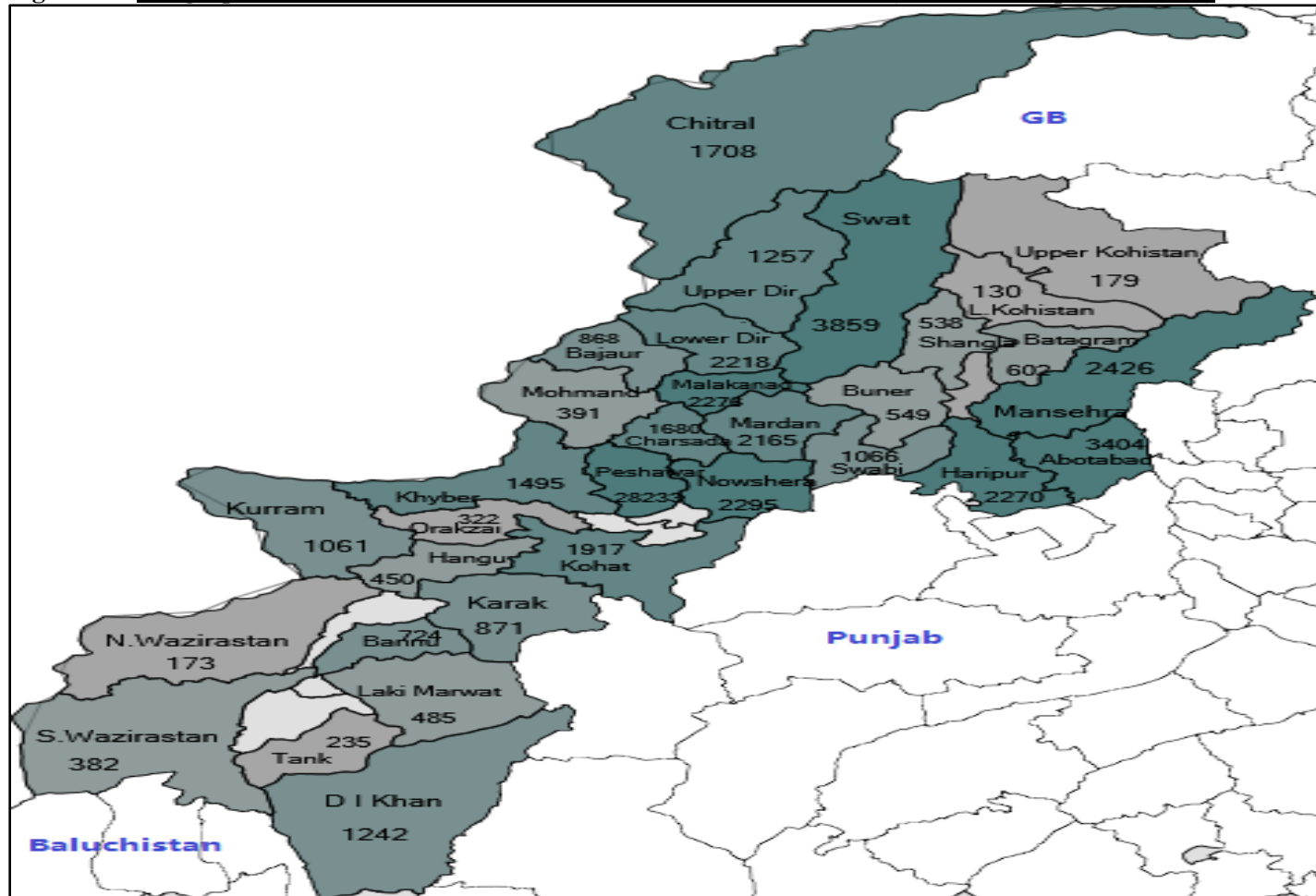
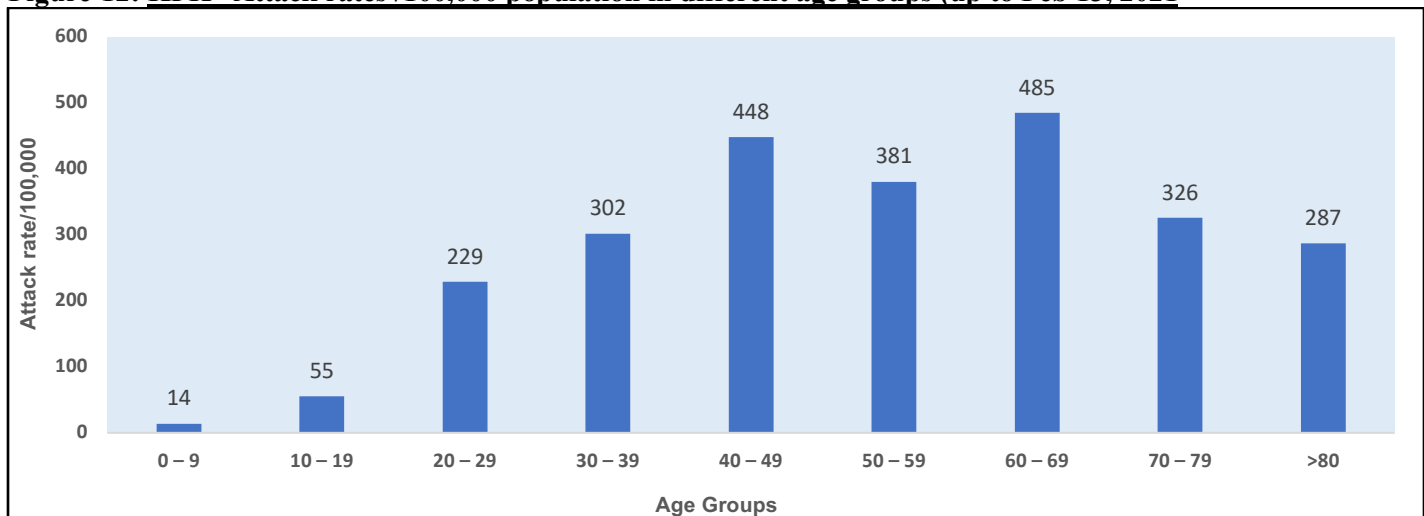


Figure-12: KPK –Attack rates /100,000 population in different age groups (up to Feb 13, 2021)



Communicable Disease Surveillance

Measles Surveillance:

In 2020, total 1986 confirmed Measles cases reported from all PDSRUs/RDSRUs. In week 07, 86 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 07, no case was reported from provinces and regions.

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 07, 33 cases 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 07, no cases reported from all provinces & region.

Table-4: Weekly and Cumulative Diseases Updates Feb 13, 2021

	Disease	Total Cases in 2020	Feb 07-13, 2021	Total Cases in 2021
1	CCHF	19	0	0
2	Varicella	235	0	0
3	Dengue	4024	33	252
4	Chikungunya	0	0	0
5	Measles	1986	86	449
6	Diphtheria	140	2	4
7	Suspected / confirmed Seasonal Influenza	9	0	0
8	NNT	150	1	5

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
13/02/2021	0	19	0	0	0	14	0	33
Total (2021)	0	180	0	0	0	72	0	252

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

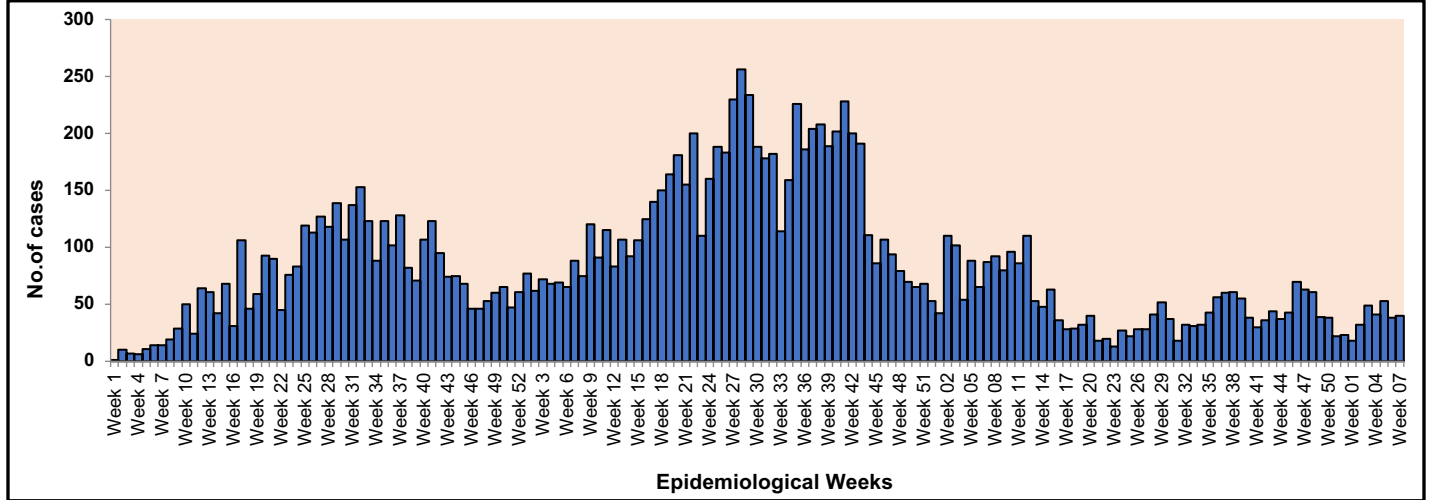
In Karachi total 13,736 cases of extensive drug resistance typhoid fever were reported from January 01, 2017 to Feb 13, 2021. During current week total 40 cases of XDR typhoid fever were reported from different hospitals in Karachi. The XDR Typhoid cases were reported mostly among the children and maximum number of XDR cases 5682 (41%) were

reported in the age group 0-4 years. The overall attack rate was 69/100,000. The age group 0-4 years was the most affected (attack rate 208/100,000) followed by age group 5-9 years (attack rate 150/100,000). Females have higher attack rate 78/100,000 compared to Males.

Table-6: Number of XDR Typhoid fever cases Karachi from January 1, 2017 to Feb 13, 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 February 13, 2021	2021	251
Total		13,736

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



XDR Typhoid Surveillance Data Sindh-Province (Excluding Karachi)

Total 7172 Salmonella Typhoid cases reported from November 2016 to Feb 13, 2021 from different districts of Sindh province (excluding Karachi). Among these cases 5467 were Extensive Drug Resistant cases. Out of these cases n=3807 (69.7%) were reported from District Hyderabad. The most

affected age group was 0 to 4 years (n=1426) with attack rate 48.2/10000 population followed by 5-9 years of age group (n= 1063) with attack rate 36.3/10000 population. Over all attack rate is 17.4/10000 population (n=3807).

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 – Feb 06, 2021	55	30	85
Current week Feb 07-13, 2021	11	6	17
Total	3807	1660	5467

Figure 14: XDR Typhoid Cases District Hyderabad Nov-2016 to Feb 13, 2021

