



WEEKLY FIELD EPIDEMIOLOGY REPORT

Volume 2-- Issue 17 May 03-09, 2020

Date: May 11, 2020

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 31,659 travelers have been traced and contacted by May 09, 2020.

Table-1: Weekly Surveillance data COVID-19 by May 09, 2020

Province/ Region	Suspected cases reported at hospitals	Lab Update		Hospital Update		
	Cumulative	tests performed (Cumulative)	Tested positive cases (Cumulative)	Still admitted	Discharged/Recovered	Expired
Islamabad	17,657	17,657	609	29	72	04
Punjab	96,701	121,194	10,786	3,370	4,131	191
Sindh	81,610	81,610	9,691	1,154	1,940	175
KP	26,981	27,990	4,327	806	1,033	221
Baluchistan	16,822	13,771	1,876	44	222	24
AJK	2,668	2,668	86	19	60	00
GB	5,886	5,135	421	12	298	03
Total	248,325	270,025	27,796	5,434	7,756	618

PDSRU SINDH

In week 19 total 9,691 confirmed COVID-19 cases reported. Most of these cases were reported from Karachi District (n=8051) followed by District Sukkur (n=553), District Khairpur (n=524) and District Hyderabad (n=436). Age group 50-59 has

the highest attack rate (52/100,000) followed by 60-69 years age group (44/100,000), 30-39 and more than 70 years age group have the same attack rate (42/100,000) and 40-49 years age group (39/100,000)

Figure-1: Sindh - District-wise distribution of COVID-19 cases (May 09, 2020)

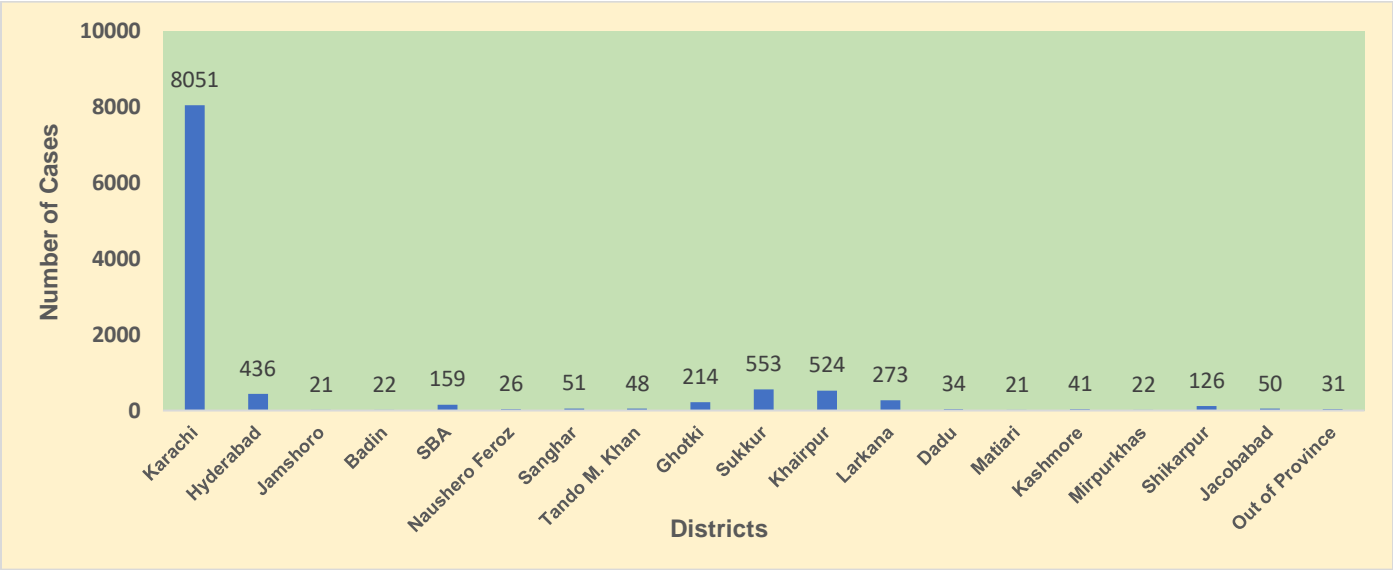
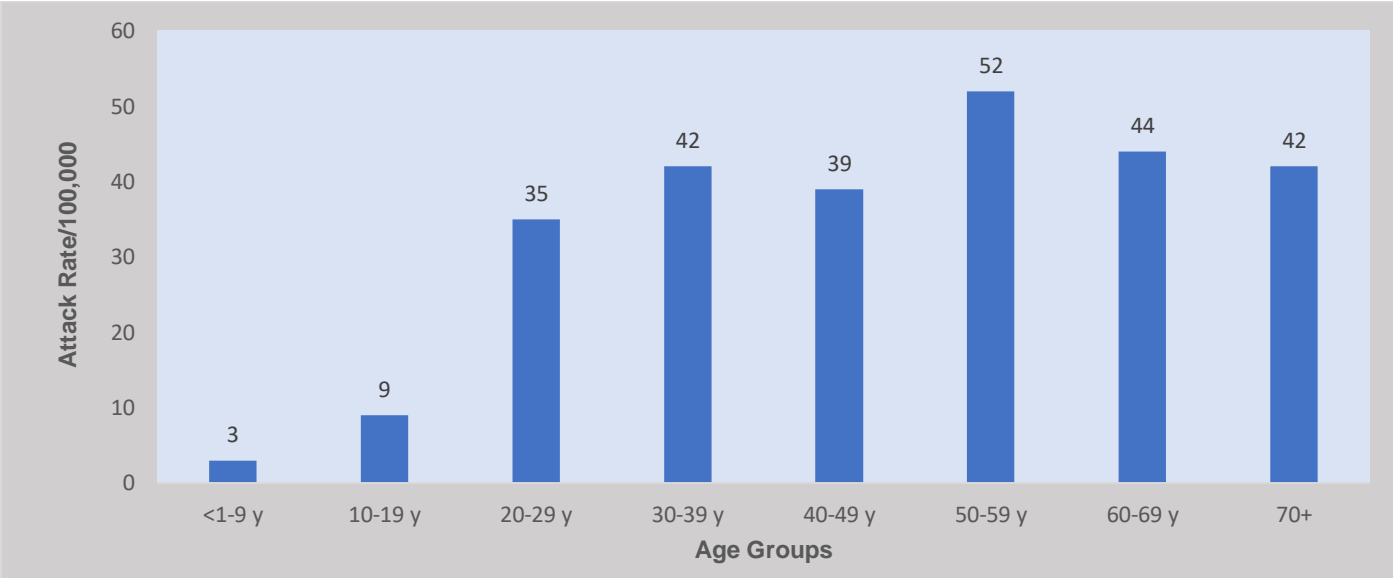


Figure-2: Sindh – Age group-wise Attack Rates /100,000 population (May 09, 2020)



PDSRU Punjab

PDSRU Punjab has reported total 96,701 suspected cases of COVID-19 and out of these 10,786 were lab confirmed COVID-19 up to May 09, 2020 while results of 463 cases were awaited. District Lahore has the highest number of confirmed cases (n=5190)

followed by District Multan (n=876), District Gujranwala (n=655) and Rawalpindi (n=645) respectively. Age group 16-30 years has the highest number of cases (n=3436) followed by age group 31-45 (n=3080) and age group 46-60 years (n=2333)

Figure-3: Punjab-District-Wise distribution of confirmed COVID-19 cases up to May 09, 2020

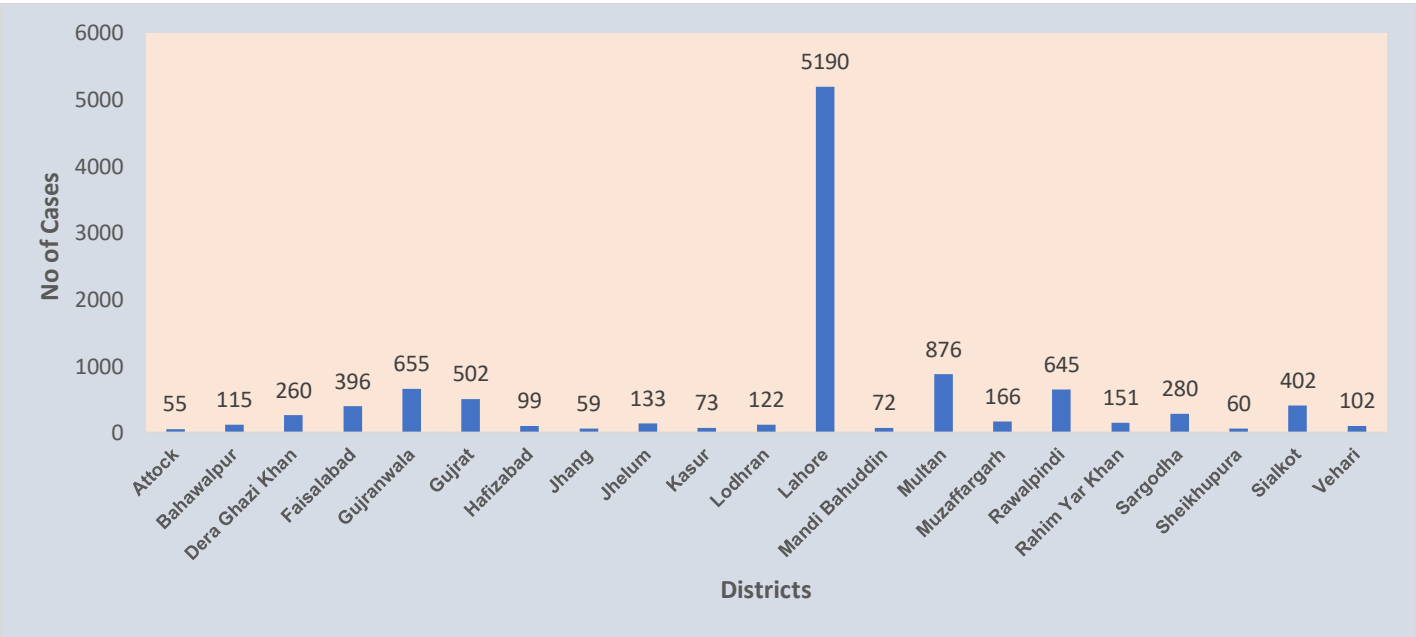
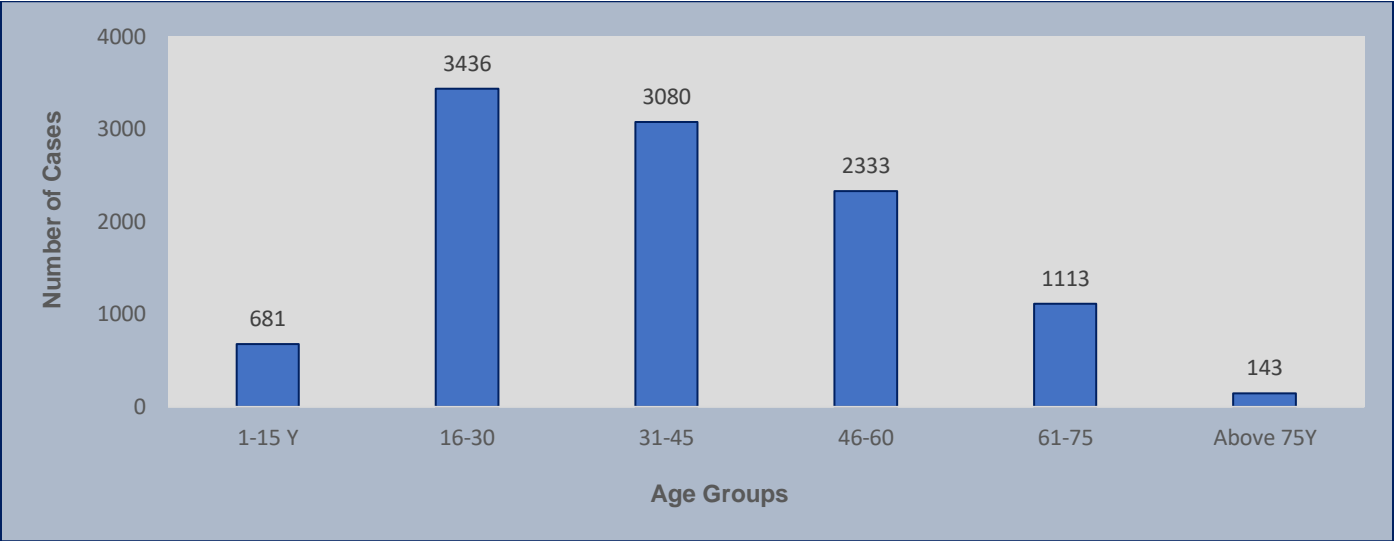


Figure-4: Age wise distribution of COVID-19 cases in Punjab up to May 09, 2020



PDSRU - Baluchistan province

The department of Health Baluchistan has reported 1,935 positive cases of COVID-19 and 24 deaths till May 09, 2020. 242 cases have also been recovered. Total 35,493 travelers were screened, 16,944 suspects were identified and based on test results,

12,439 suspects were declared negative for COVID-19. 60+ age group has the highest attack rate per 100000 population (AR=50) followed by age group 45-59 (AR=38) and age group 30-44 (AR=26)

Figure-5: Baluchistan - Detail of suspected and confirmed COVID-19 cases (Cumulative up to May 09, 2020)

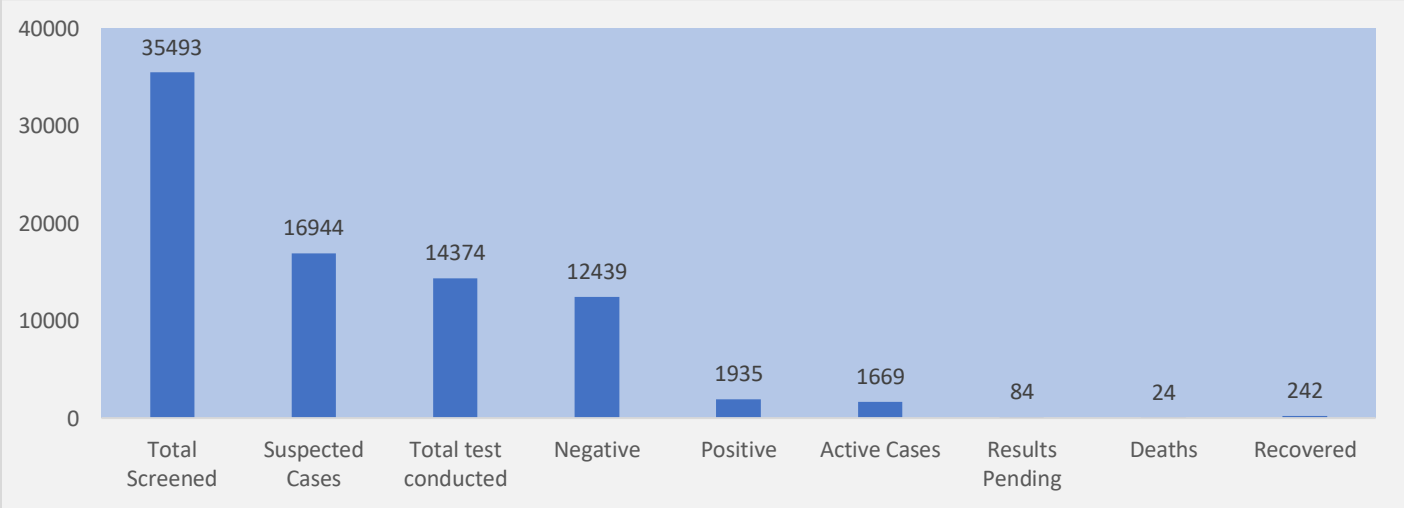
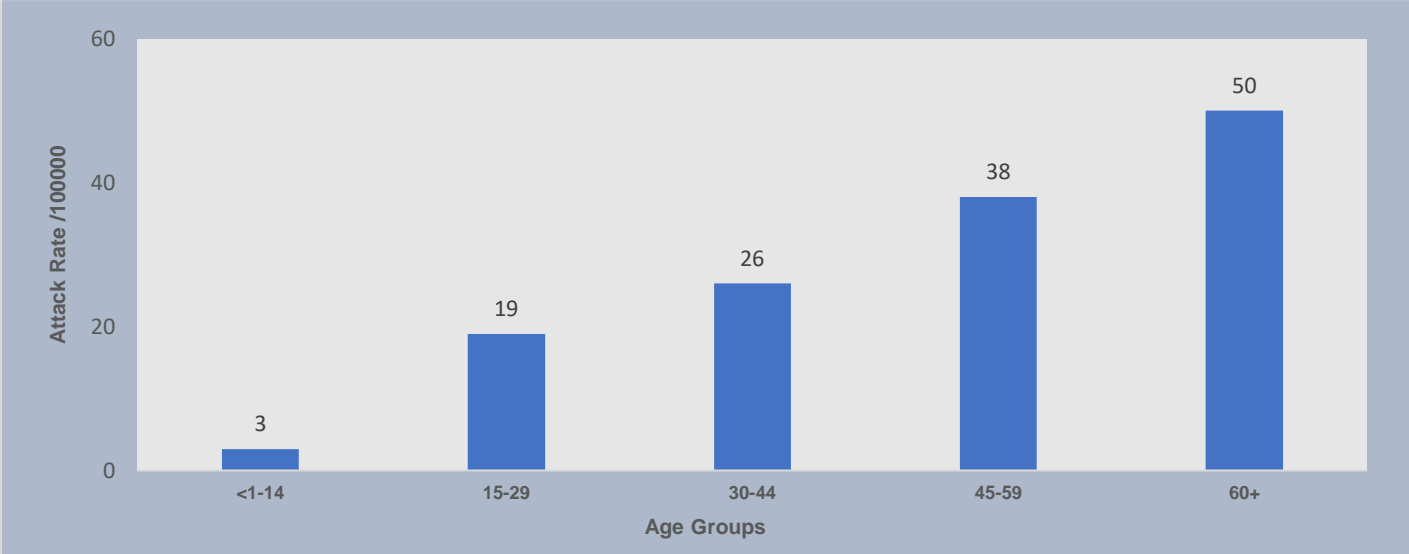


Figure-6: Baluchistan –Attack rates /100000 population in different age groups (up to May 09, 2020)



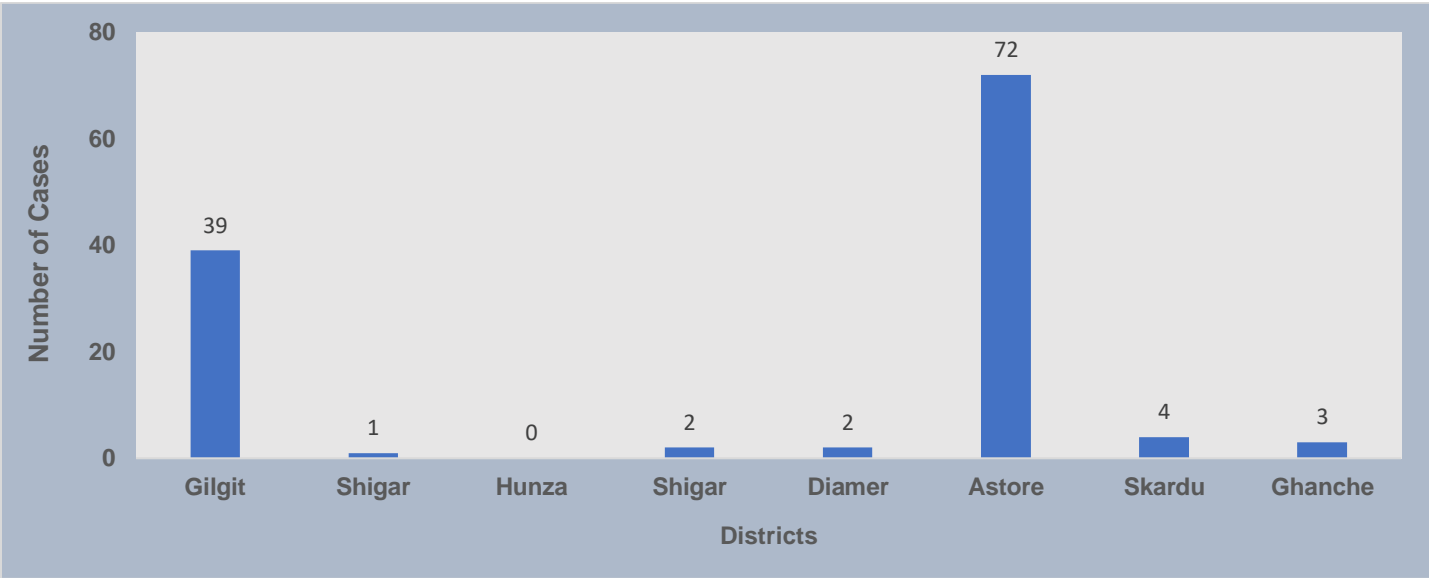
PDSRU- Gilgit-Baltistan (GB)

PDSRU GB has reported total 5,983 suspected cases of COVID-19 and out of these 123 were lab confirmed COVID-19 up to May 09, 2020 while results of 395 suspected cases are still awaited. 303 cases recovered from COVID-19 while 4 cases expired. District Astore has the highest number of cases (n=72) followed by District Gilgit (n=39) and District Skardu (n=4)

Table -2 Detail of number of samples and confirmed Covid-19 cases GB up to May 09, 2020

District	Number of Samples	Negative	Released From Quarantine	Positive	Awaited	Recovered	Expired	Samples Discarded
Astore	848	635	47	72	97	42	2	0
Diamer	159	140	07	2	6	11	0	0
Ghanche	472	444	04	3	21	4	0	0
Ghizer	192	184	00	1	7	0	0	0
Gilgit	1670	1396	82	39	164	70	1	0
Hunza	438	413	00	0	23	2	0	0
Kharmang	123	93	13	0	5	11	0	14
Nagar	756	650	99	0	12	93	1	0
Shigar	247	202	54	2	5	22	0	16
Skardu	1078	971	275	4	55	48	0	0
Grand Total	5983	5128	590	123	395	303	4	30

Figure-7: GB-District-Wise distribution of confirmed COVID-19 cases up to May 09, 2020



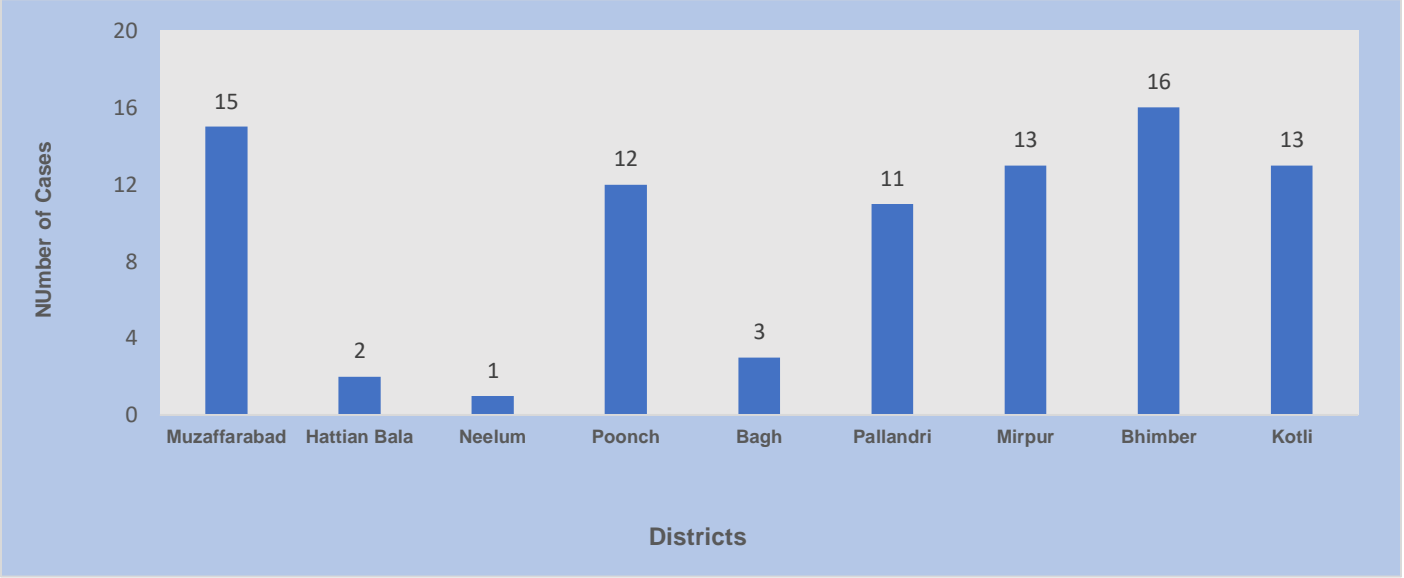
PDSRU-AJK

PDSRU AJK has reported total 2,668 suspected cases of COVID-19 and out of these 86 were lab confirmed COVID-19 up to May 09, 2020 while results of 78 suspected cases still awaited. District Bhimber has the highest number of cases (n=16) followed by District Muzaffarabad (n=15) and District Mirpur (n=13)

Table -3: Distribution of suspected and confirmed Covid-19 cases in AJK up to May 09, 2020

Total Suspected cases	Lab tests conducted	Lab confirmed cases	Lab results awaited
2,668	2,668	86	78

Figure-8: AJK-District-Wise distribution of confirmed COVID-19 cases up to May 09, 2020



PDSRU-KPK

PDSRU KPK has reported total 26,981 suspected cases of COVID-19 and out of these 4,327 were lab confirmed COVID-19 up to May 09, 2020 while 221

patients expired. Age group 30-39 has the highest number of COVID-19 cases (n=1145) followed by 20-29 years age group (n=953), 40-49 years age group (n=870) and 50-59 years age group (n=704)

Figure-9: District-wise distribution of confirmed Covid-19 cases and Deaths in KP (May 09, 2020)

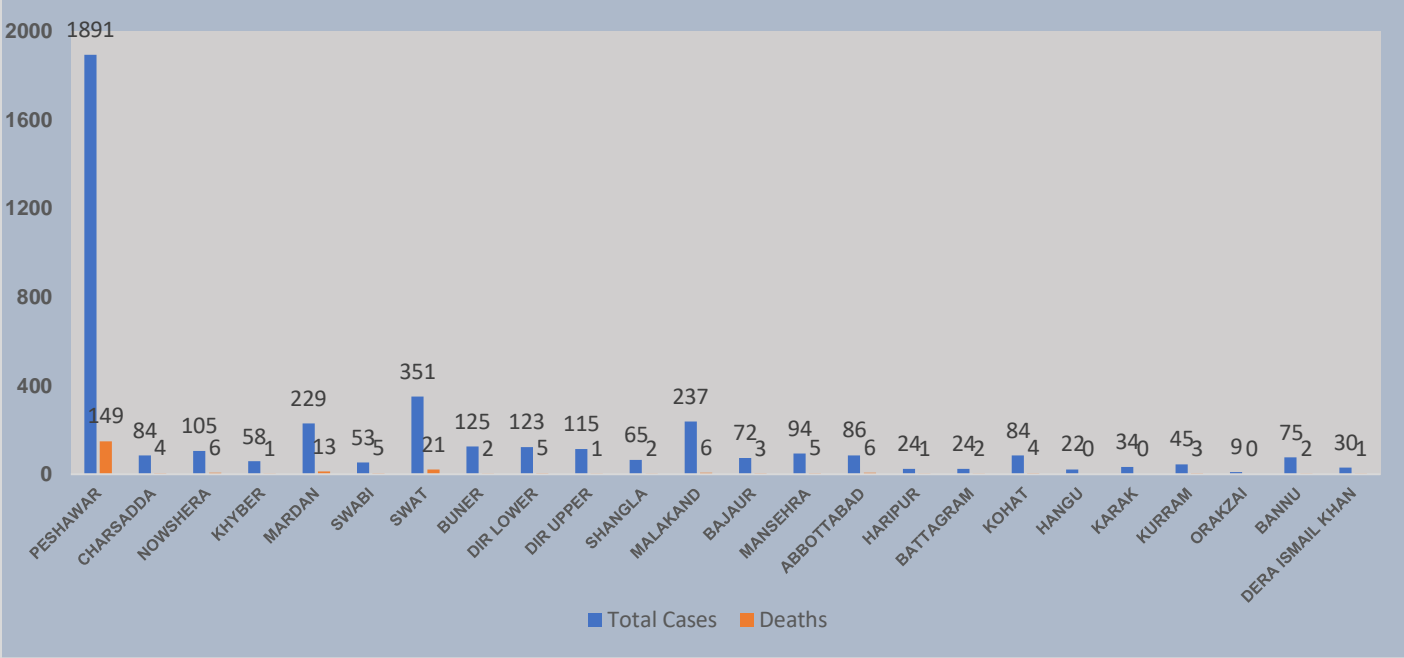
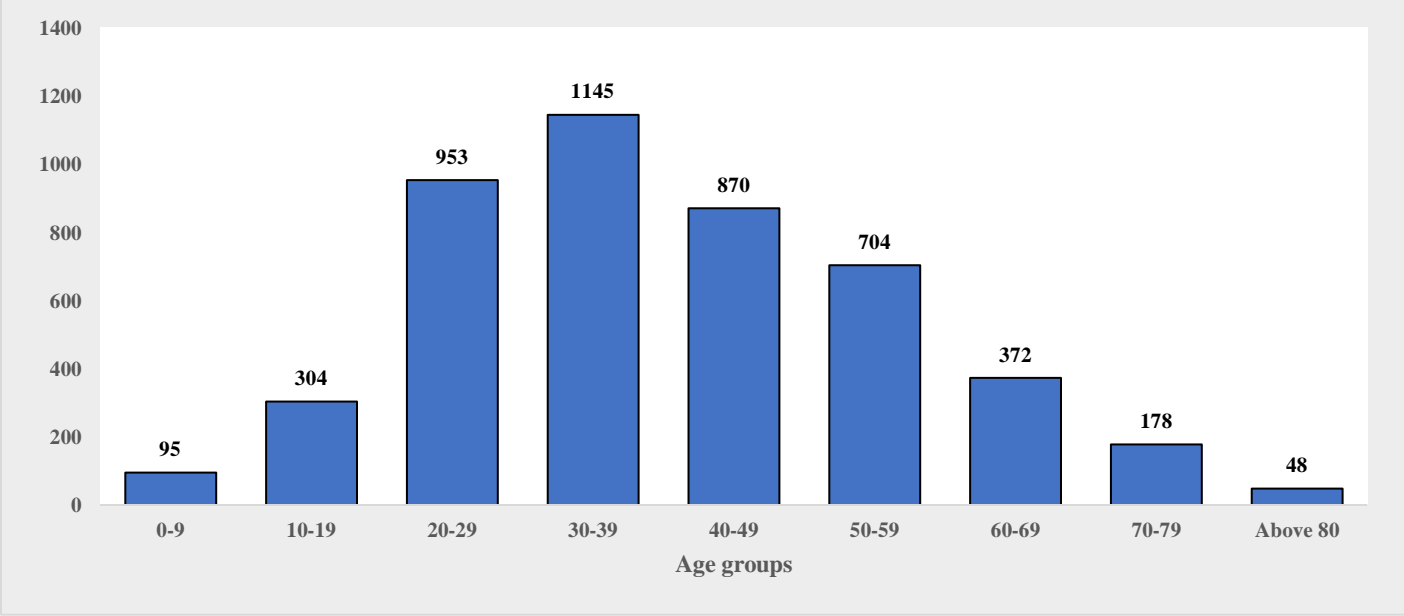


Figure 10: Age-wise distribution of lab confirmed cases, May 09, 2020



Communicable Disease Surveillance

Influenza Suspected/Confirmed:

In 2018, total 3221 and in 2019 total 100 Suspected/confirmed Influenza cases reported from PDSRUs/RDSRUs. In week 19, no suspected cases were reported.

Dengue Surveillance:

In 2018, total **3204** Dengue cases reported from Sindh Total **24,610** cases reported which includes **48** new case reported from Baluchistan. In week 19, no cases reported from Baluchistan, Punjab, Merged Areas, ICT, Sindh, KP and AJK.

Diphtheria Surveillance:

During 2018 total **464** and during 2019 total **614**- suspected cases of Diphtheria were reported. In week 19, no suspected case reported.

CCHF Surveillance:

In 2018, total **63** CCHF (suspected and confirmed) cases were reported from DSRUs and **75** cases have been reported in 2019. No new case reported in this week

Table-4: Weekly and Cumulative Diseases Updates May, 09, 2020

	Disease	Total Cases in 2019	May 02-09, 2020	Total Cases in 2020
1	CCHF	75	0	01
2	Varicella	1,264	0	189
3	Dengue	24,547	0	182
4	Chikungunya	0	0	0
5	Measles	6,781	37	879
6	Diphtheria	614	0	92
7	Suspected / confirmed Seasonal Influenza	100	0	9

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
Total	24403	7909	513	2967	2065	3057	9944	50750
09-05-2020	0	0	0	0	0	0	0	0
Total (2020)	3	0	0	0	0	179	01	183

PDSRU Merged Areas KPK

Table-6: District-wise distribution of suspected and confirmed cases

S.No	District	Total Suspected	Total Confirmed	Total suspected in the current week	Total confirmed in the current week
1	Bajour	355	62	112	25
2	Khyber	2333	241	410	53
3	Mohmand	58	7	30	2
4	Orakzai	162	12	9	2
5	Kurram	514	45	21	6
6	North Waziristan	33	3	22	0
7	South Waziristan	60	7	22	0
Grand total		3515	377	626	88

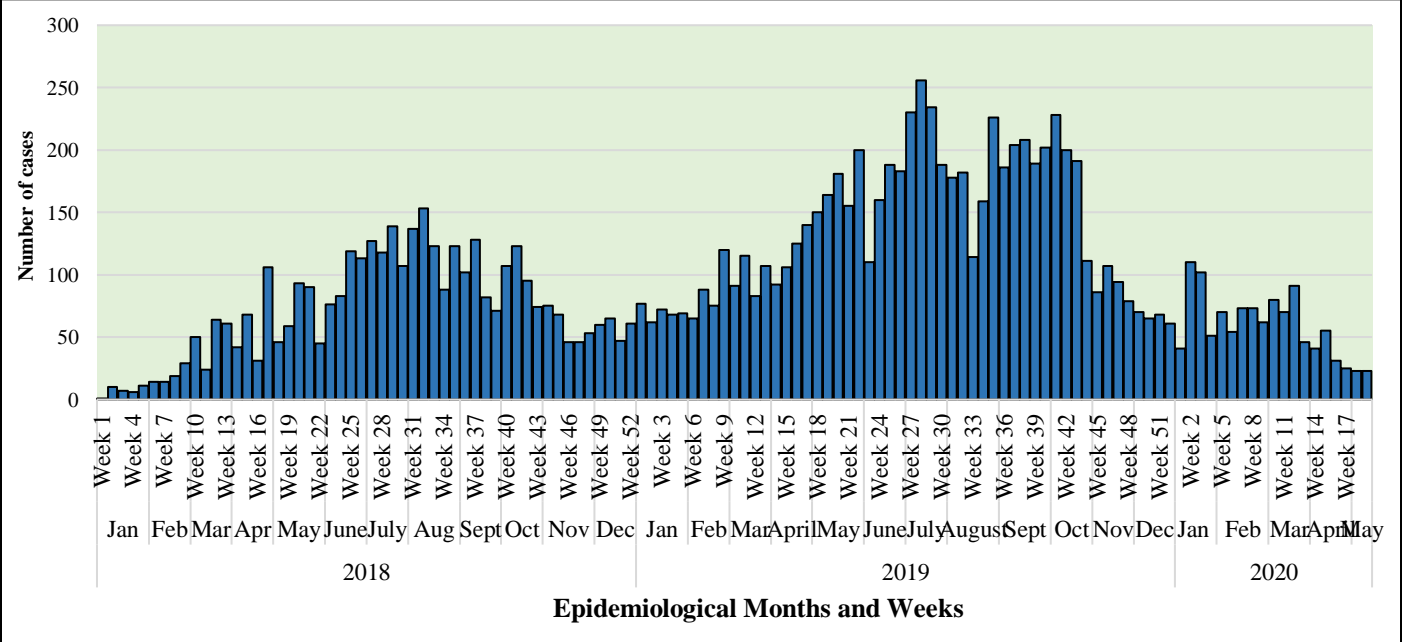
Extensive drug Resistant (XDR) Typhoid Fever Surveillance in Sindh Province

In Karachi total 12106 cases of extensive drug resistance typhoid fever were reported from January, 01, 2017 to May, 9, 2020. During current week total 23 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 7470 (39%) were reported in the age group 0-4 years. The overall attack rate was 60/100,000. The age group 0-4 years was the most affected age group (attack rate 182/100,000) followed by age group 5-9 years (AR 131/100,000). Females have high attack rate 71/100,000 compared to Males

Table-7: Number of XDR Typhoid fever cases Karachi from January 1, 2017 to May, 09, 2020

Year	Year	XDR Cases
Jan to December	2017	175
Jan to December	2018	3712
Jan to December	2019	7088
01, January to May ,09 ,2020	2020	1131
Total		12106

Figure 11: Week-wise number of XDR Typhoid fever cases in Karachi, from January 1, 2017 to May 9, 2020



XDR Typhoid Surveillance Data Sindh-Province (Excluding Karachi)

Total 6074 Salmonella Typhoid cases reported from the November 2016 to May, 09, 2020 from different districts of Sindh province (excluding Karachi). Among these cases 4720 were Extensive Drug Resistant cases. Out of total cases 70.6 %(n=3324) reported from District Hyderabad

Table-8: 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
January 01 – May,02, 2020	276	175	451
Current week (May 03-09)	15	12	27
Total	3324	1396	4720