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Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)
24th May 2023
Epi Week-20 (15th – 21st May 2023)

All reported cases in this report are suspected cases

Highlights:
- During week 20, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by Malaria, ILI, ALRI <5 years, B. Diarrhea, SARI, VH (B, C, D), Typhoid, dog bite and CL.
- This week, there is an overall decrease in number of disease cases.
- Burden of AD and Malaria cases reported mostly from Sindh and KPK but also from all other provinces as well. All are suspected cases and need verification.

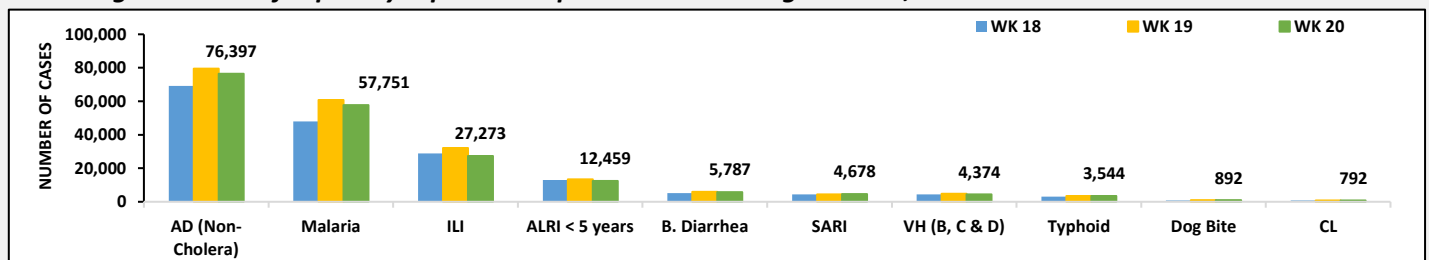**Figure 1: Most frequently reported suspected cases during week 20, Pakistan**

Table 1: Province/Area wise distribution of most frequently reported cases during week 20, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	1863	4,660	12	269	27,810	1259	40,524	76,397
Malaria	68	6,197	0	1	5,372	NR	46,113	57,751
ILI	2221	3192	0	702	7,067	NR	14,091	27,273
ALRI < 5 years	797	1860	10	0	1765	NR	8027	12,459
B. Diarrhea	86	1753	0	4	914	NR	3,030	5,787
SARI	335	576	5	0	2718	NR	1044	4,678
VH (B, C & D)	9	82	0	0	86	NR	4105	4,374
Typhoid	37	655	0	0	1,190	NR	1662	3,544
Dog Bite	30	62	0	0	215	NR	585	892
CL	0	101	0	0	613	NR	02	792
AVH (A & E)	20	14	1	0	209	NR	515	759
Mumps	89	53	0	3	141	NR	390	676
AWD (S. Cholera)	121	282	3	0	0	NR	56	462
Measles	13	58	0	0	200	NR	89	360
Chickenpox/ Varicella	12	32	0	8	134	NR	130	316
Gonorrhea	9	121	0	0	7	NR	57	194
Pertussis	4	89	0	0	19	NR	9	121
Dengue	0	17	0	0	22	NR	73	112
Leprosy	0	19	0	0	22	NR	11	52
Diphtheria (Probable)	0	0	0	0	0	NR	22	22
AFP	3	0	0	0	12	NR	4	19
Meningitis	1	1	0	0	2	NR	15	19
Syphilis	0	7	0	0	1	NR	7	15
VL	0	13	0	0	0	NR	0	13
Brucellosis	0	0	0	0	13	NR	0	13
HIV/AIDS	0	1	0	0	1	NR	6	8
NT	1	3	0	0	0	NR	0	4
Rubella (CRS)	0	3	0	0	0	NR	0	3
Chikungunya	0	0	0	0	0	NR	2	2
CCHF	0	2	0	0	0	NR	0	2
Anthrax	0	0	0	0	0	NR	0	0

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- Malaria cases were maximum followed by AD (Non-Cholera), ILI, ALRI<5 Years, VH (B, C, D), B. Diarrhea, Typhoid, SARI dog bite and AVH (A&E) cases.
- An decreased trend in cases observed for Malaria, AD, ILI, ALRI<5 years, and VH (B,C,D).
- AD cases are mostly from Badin, Dadu, Sanghar, Khairpur, Thatta and Mirpurkhas whereas Malaria cases are from Kamber, Larkana, and Umerkot.
- Cases of Measles 19 and 13 reported from Tando Muhammad Khan and Jamshoro respectively which need field investigation.

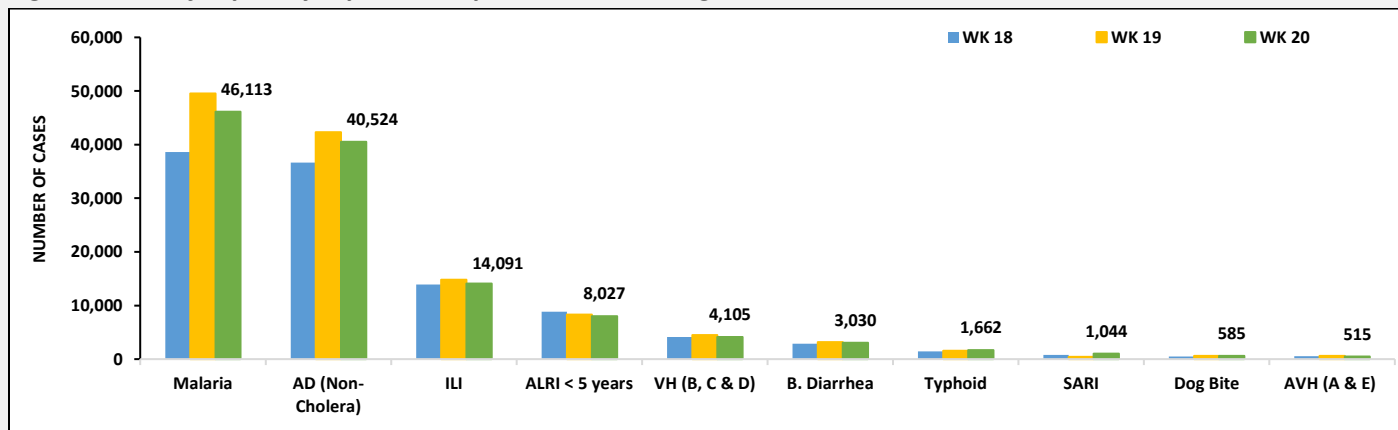**Figure 2: Most frequently reported suspected cases during week 20, Sindh**

Table 2: District wise distribution of most frequently reported suspected cases during week 20, Sindh

DISTRICTS	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	2,685	1,920	98	524	195	61	0	4	191	0	87
Dadu	2,786	2,336	148	384	234	204	14	0	53	0	0
Ghotki	1,221	628	0	291	135	52	17	1	301	0	0
Hyderabad	1,094	83	450	29	25	4	1	2	45	0	0
Jacobabad	663	1,033	26	171	97	0	135	0	128	0	41
Jamshoro	758	641	0	192	64	69	0	13	281	0	38
Kamber	2,190	5,377	0	302	147	22	0	1	198	0	0
Karachi Central	895	103	1,165	51	107	139	10	2	95	2	1
Karachi East	246	53	46	3	3	2	0	0	0	8	2
Karachi Keamari	335	1	77	14	1	1	0	0	0	0	0
Karachi Korangi	452	60	49	2	5	0	0	1	0	6	0
Karachi Malir	1,382	80	1,788	200	50	37	59	4	28	0	12
Karachi South	126	32	2	0	1	0	0	0	0	0	0
Karachi West	671	59	375	122	25	26	28	6	10	15	36
Kashmore	673	1,823	482	191	73	20	0	1	69	0	0
Khairpur	2,407	2,835	183	728	345	214	655	0	152	0	49
Larkana	1,768	8,248	0	212	218	0	15	0	48	0	0
Matiari	1,663	1,046	4	212	99	65	2	2	344	6	18
Mirpurkhas	2,481	2,499	3,327	437	52	34	11	0	61	0	6
Naushero Feroze	1,205	1,299	479	276	22	189	0	0	310	0	16
Sanghar	1,978	1,042	0	381	83	93	15	1	480	0	148
Shaheed Benazirabad	2,141	1,548	36	319	73	176	0	6	153	0	0
Shikarpur	1,141	857	0	139	129	3	8	5	183	0	0
Sujawal	354	614	0	108	57	34	0	0	3	0	0
Sukkur	1,955	1,789	2,022	305	215	12	2	7	399	0	0
Tando Allahyar	1,856	938	824	217	91	44	1	2	153	0	40
Tando Muhammad Khan	289	373	0	21	25	7	0	19	12	0	22
Tharparkar	1,124	1,582	1,251	530	105	21	56	7	68	36	8
Thatta	2,353	3,119	1,259	300	131	34	15	5	186	0	61

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| Umerkot | 1,632 | 4,095 | 0 | 1,366 | 223 | 99 | 0 | 0 | 154 | 0 | 0 |
| Total | 40,524 | 46,113 | 14,091 | 8,027 | 3,030 | 1,662 | 1,044 | 89 | 4,105 | 73 | 585 |

Balochistan

- Malaria, AD (Non-Cholera), ILI, ALRI <5 years, B. Diarrhea, Typhoid, SARI, AWD, Gonorrhea and CL were the most frequently reported diseases.
- Cases of ILI, AD and Malaria showed same trend this week.
- AWD (S. Cholera) cases are reported in high numbers from Quetta, Mastung, Jhal magsi and Chagi districts, all are suspected cases and demand urgent field investigation.

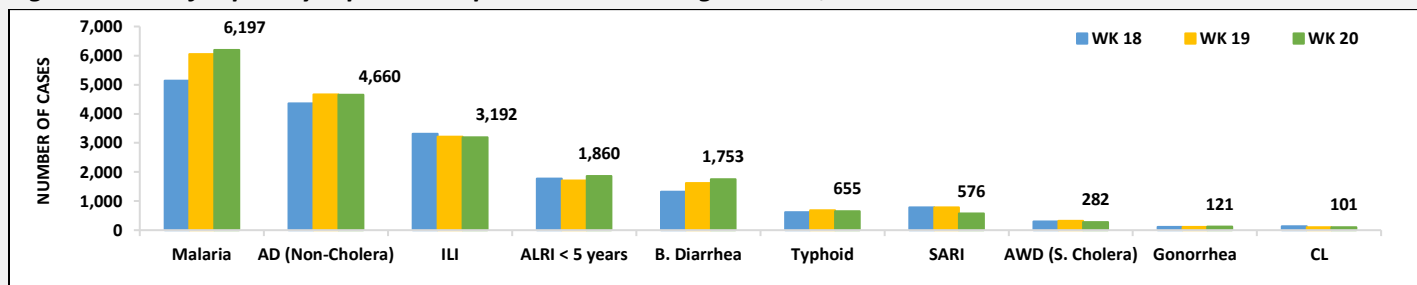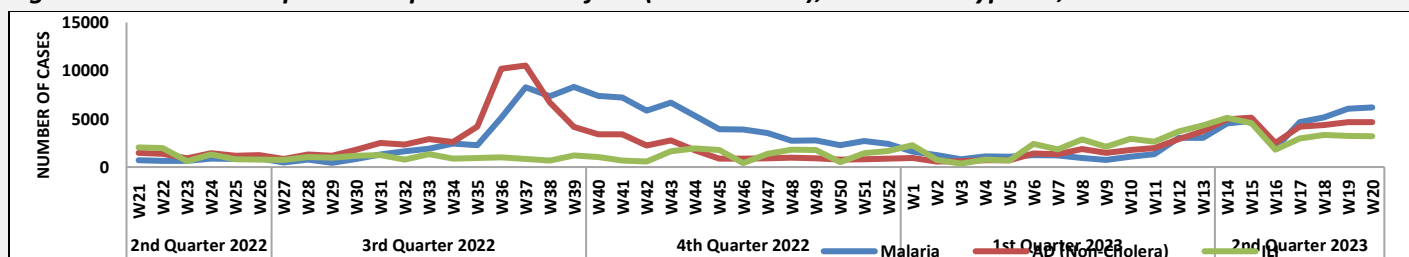### *Figure 3: Most frequently reported suspected cases during week 20, Balochistan*

Table 3: District wise distribution of most frequently reported suspected cases during week 20, Balochistan

Districts	ILI	Malaria	AD (Non-Cholera)	ALRI < 5 years	SARI	B. Diarrhea	Typhoid	CL	Dog Bite	AWD (S. Cholera)
Chagai	240	32	159	0	0	62	39	0	0	21
Harnai	5	136	113	703	5	571	14	0	3	10
Jhal Magsi	0	1,423	393	20	27	19	69	5	8	28
Kachhi (Bolan)	61	312	106	6	0	22	49	0	0	19
Kalat	5	31	28	11	2	8	17	1	0	0
Kech (Turbat)	541	728	379	79	5	59	5	0	0	20
Kharan	159	180	137	0	0	77	7	0	0	5
Khuzdar	221	114	205	2	11	58	11	0	0	0
Killa Saifullah	4	173	174	85	53	77	37	23	1	2
Kohlu	249	173	174	22	45	106	61	6	1	23
Lasbella	97	1,029	694	175	133	114	41	4	17	5
Loralai	241	106	387	142	100	82	42	7	9	14
Mastung	124	95	314	34	58	84	45	10	10	50
Naseerabad	0	641	164	5	0	2	44	0	3	3
Nushki	2	80	125	0	1	65	0	0	0	7
Pishin	220	15	109	25	10	68	20	14	3	0
Quetta	742	24	431	77	20	99	46	16	0	53
Sherani	12	0	3	0	0	4	0	10	0	0
Sibi	41	348	53	29	16	34	9	1	0	11
Sohbat pur	10	422	205	55	33	58	64	1	0	5
Surab	16	21	12	1	0	3	14	0	0	0
Zhob	170	89	254	369	57	76	14	3	0	3
Ziarat	32	25	41	20	0	5	7	0	7	3
Total	3,192	6,197	4,660	1,860	576	1,753	655	101	62	282

Figure 4: Week wise reported suspected cases of AD (Non-Cholera), Malaria & Typhoid, Balochistan

I D S R   W e e k l y   E p i d e m i o l o g i c a l   B u l l e t i n

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Khyber Pakhtunkhwa

- Cases of AD (Non-Cholera) were maximum followed by ILI, Malaria, SARI, ALRI<5 Years, Typhoid, B. Diarrhea, CL , dog bite and AVH (A&E) cases.
- Cases of AD (Non-Cholera) mostly reported from Peshawar, Swabi, LowerDir and Swat. Bloody diarrhea cases increased too and are mainly from Mansehra, Peshawar, Swat and Tank.
- AD and Malaria showed upward trend in cases this week whereas ILI cases declined.

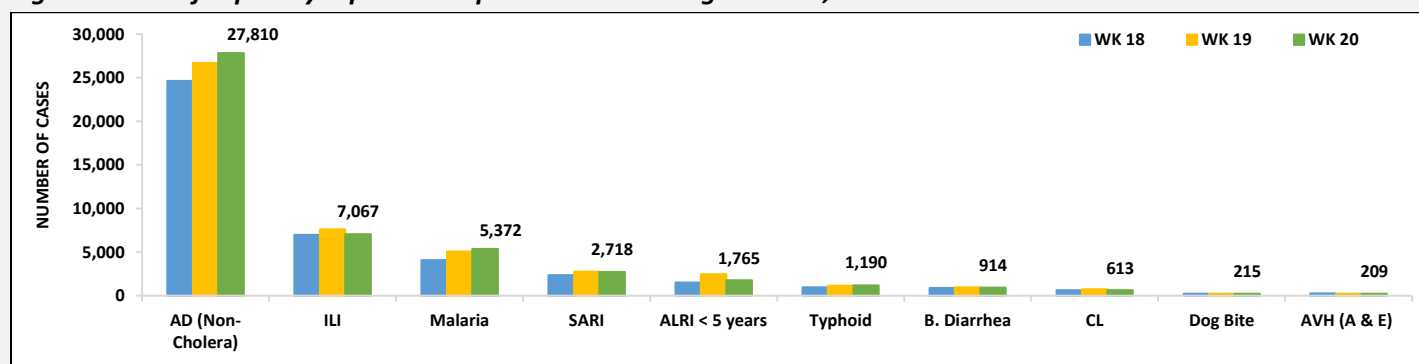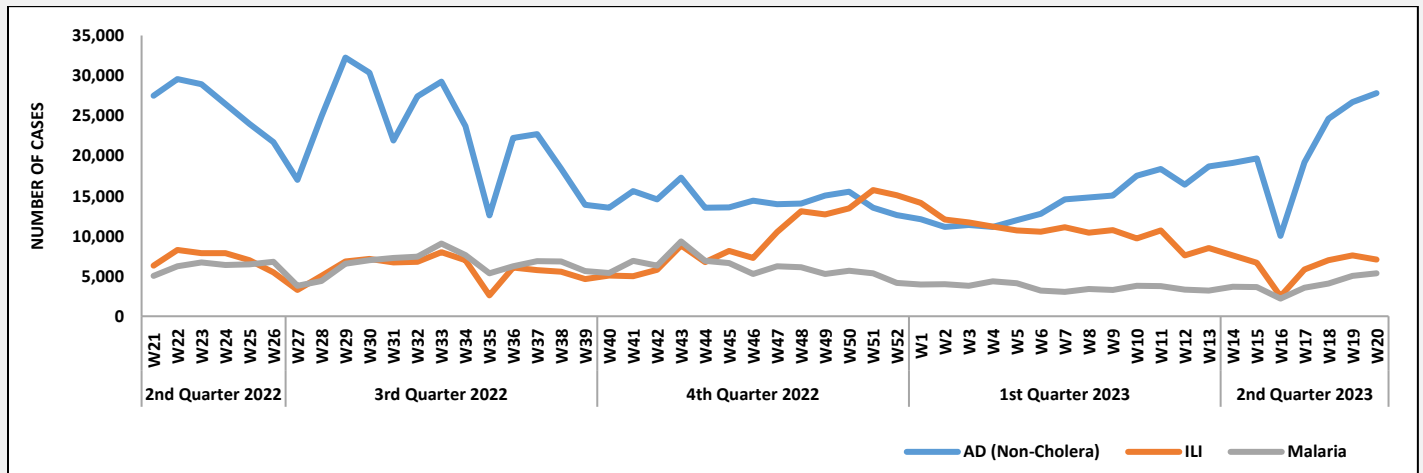**Figure 5: Most frequently reported suspected cases during week 20, KP**

Table 4: District wise distribution of most frequently reported suspected cases during week 20, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	637	0	4	5	2	12	1	2	0	0
Bannu	631	840	87	0	2	29	11	1	0	0
Battagram	359	48	775	0	14	2	0	0	0	1
Buner	450	757	0	0	13	30	13	11	0	0
Charsadda	1,648	30	280	60	5	4	0	0	0	0
Chitral Lower	456	10	208	1,009	21	15	2	18	0	0
Chitral Upper	83	0	2	197	3	11	0	2	0	1
D.I. Khan	283	14	0	4	36	2	0	8	0	0
Dir Lower	1,953	702	138	205	209	67	155	1	0	46
Dir Upper	547	8	45	0	137	19	48	0	0	8
Hangu	438	350	466	189	12	33	30	7	0	11
Haripur	1,488	18	494	18	131	34	0	0	0	27
Karak	399	77	193	47	8	6	2	18	4	0
Khyber	15	17	113	2	2	5	5	0	0	1
Kohat	66	24	13	2	1	0	0	3	0	0
Kohistan Lower	89	3	0	217	5	0	31	0	8	0
Kohistan Upper	477	0	63	136	8	112	27	3	11	0
Kolai Palas	76	3	0	5	4	1	8	0	8	10
L & C Kurram	2	2	NR	NR	NR	NR	NR	NR	NR	NR
Lakki Marwat	655	1,327	0	0	23	18	20	0	0	0
Malakand	1,058	52	NR	30	30	18	84	NR	NR	4
Mansehra	940	4	888	94	75	158	27	25	10	7
Mardan	1,921	53	1,069	287	257	0	93	0	0	4
Nowshera	2,530	43	139	16	0	17	42	0	1	10
Peshawar	3,333	63	972	49	70	155	174	3	0	18
Shangla	450	381	0	0	14	47	5	67	9	6
Swabi	2,226	26	815	113	150	25	43	0	1	31
Swat	3,561	75	303	0	382	126	28	32	0	24
Tank	916	335	0	0	142	217	36	5	0	0
Tor Ghar	123	110	0	33	9	27	29	9	0	0
Total	27,810	5,372	7,067	2,718	1,765	1,190	914	215	52	209

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Figure 6: Week wise reported suspected cases of AD (Non-Cholera), ILI & Malaria, KP

Legend: AD (Non-Cholera), ILI, Malaria

Figure 7: Most frequently reported suspected cases during week 20, ICT

Legend: WK18, WK19, WK20

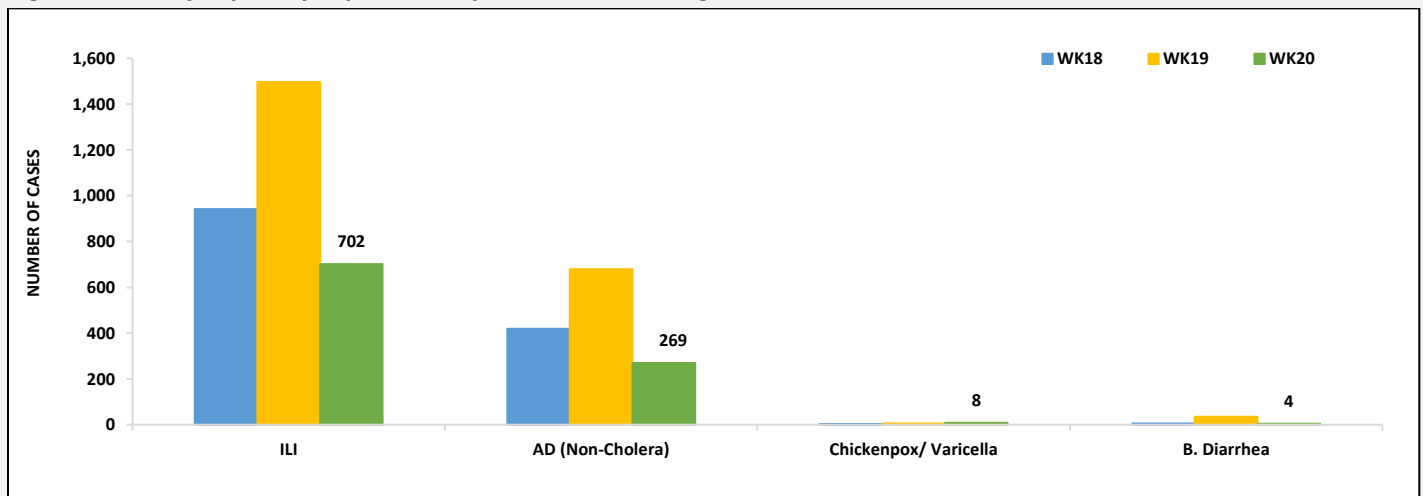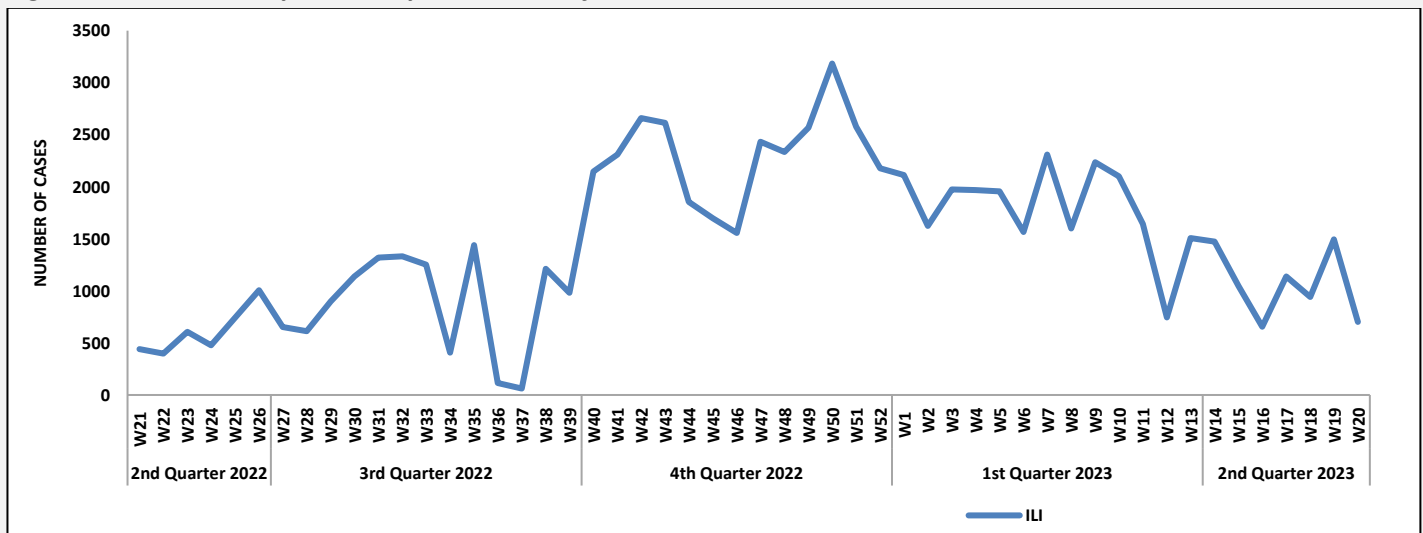**Figure 8: Week wise reported suspected cases of ILI, ICT**

Legend: ILI

- ILI cases were maximum followed by AD (Non-Cholera), ALRI <5 years, SARI, AWD (S. Cholera), Mumps, B. Diarrhea, Malaria, Typhoid and dog bite.
- Both ILI and ALRI <5 years cases showed a downward trend in cases this week.

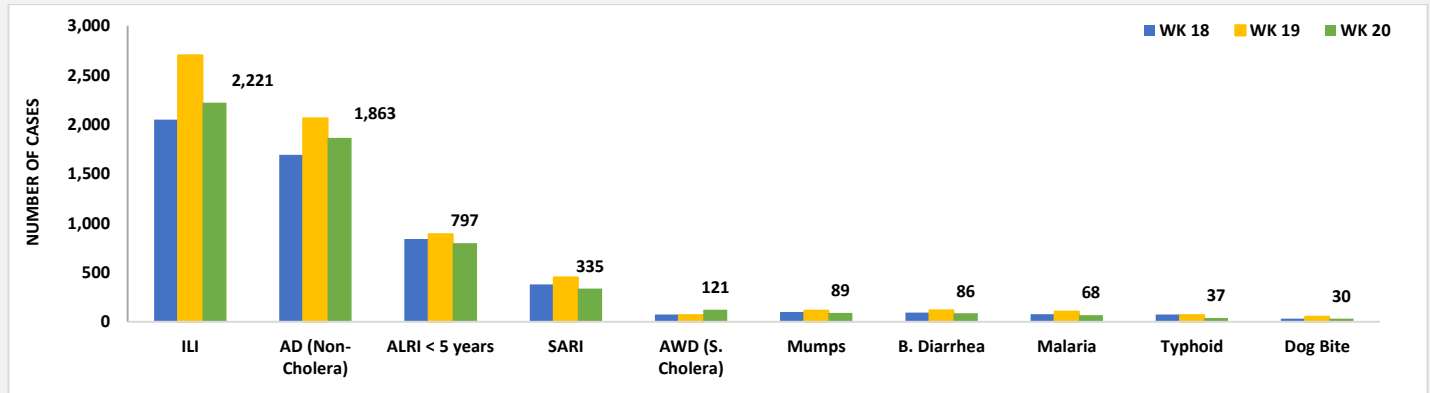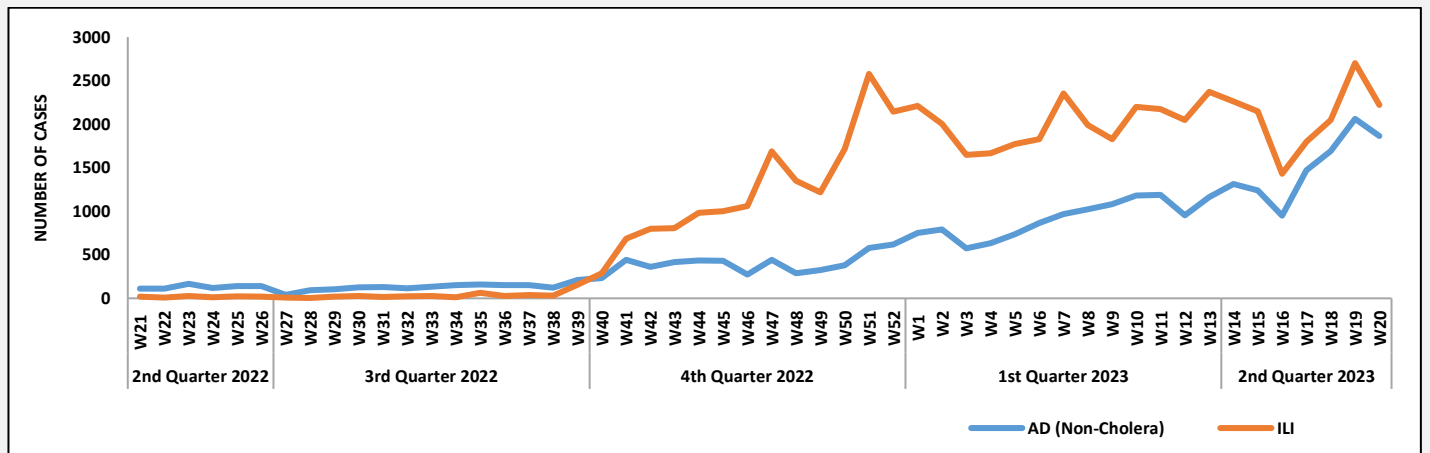**Figure 9: Most frequently reported suspected cases during week 20, AJK**

Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK

Gilgit-Baltistan

- AD (Non-Cholera) cases were maximum followed by ALRI<5 years and SARI.
- AD (Non-Cholera) cases showed upward trend in cases this week.

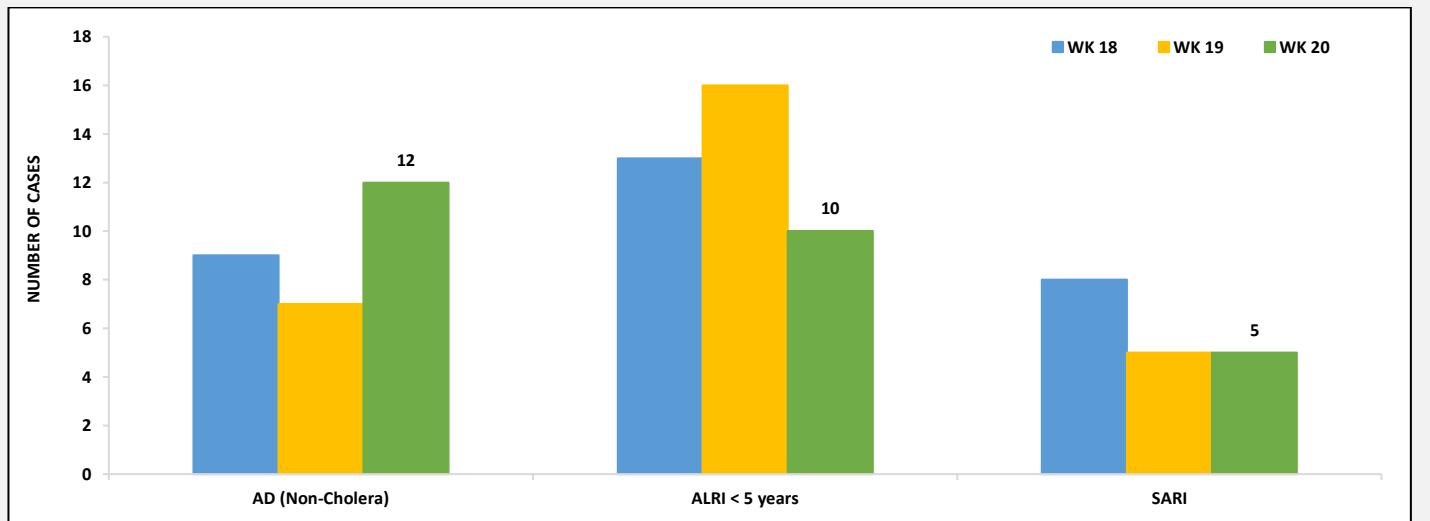**Figure 11: Most frequent cases reported during WK 20, GB**

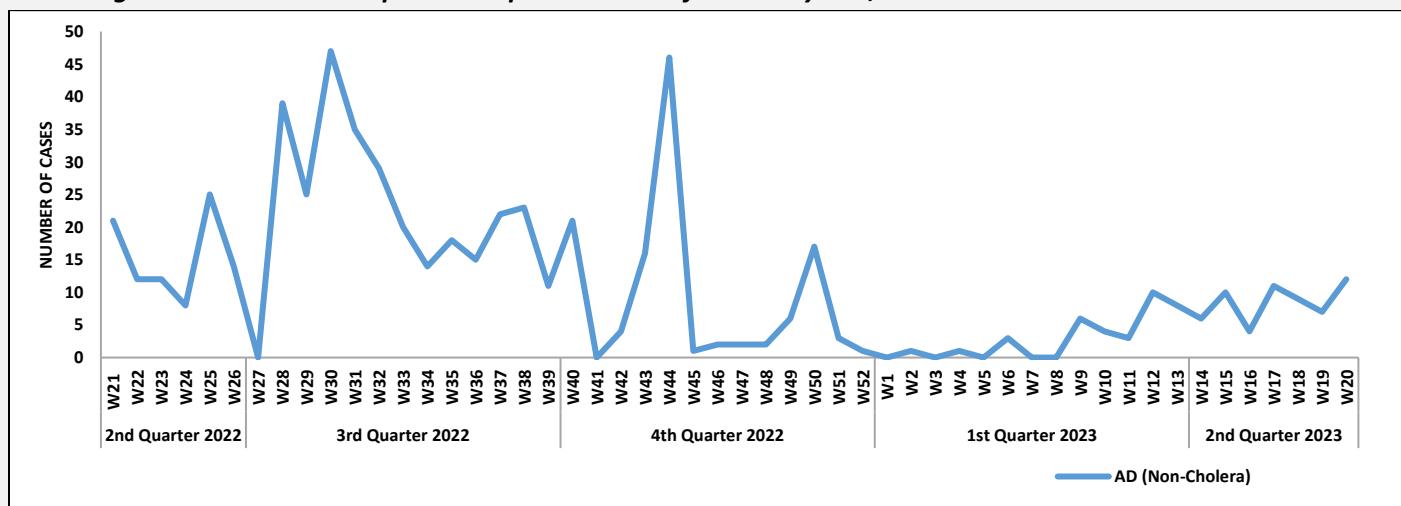**Figure 12: Week wise reported suspected cases of ALRI < 5 years, GB**

Table 5: IDSR Priority Diseases Confirmed Cases reported from Public Health Laboratories of Pakistan

Diseases	Sindh	KP
Acute Diarrhea (Non-Cholera)	0	-
Acute Watery Diarrhea (S. Cholera)	0	-
Bloody Diarrhea	-	-
Malaria	146	-
M-POX	0	-
Dengue	9	-
Acute Viral Hepatitis(A)	0	-
Acute Viral Hepatitis(B)	113	-
Acute Viral Hepatitis(C)	291	-
Acute Viral Hepatitis(E)	0	-
ILI (influenza like illness)	-	-
SARI	-	-
Covid-19	0	-
Pneumonia (ALRI)	-	-
Measles	-	-
Meningitis	-	-
CCHF	-	-
Typhoid	2	8

IDSR Attributes

- Out OF 80 IDSR implemented districts, compliance is low from Balochistan and Sindh districts.
- Green color showing >50% compliance while red color is <50% compliance

Table 6: IDSR reporting districts

Provinces/Regions	Districts	Total Number of Reporting Sites	Number of Agreed Reporting Sites	Number of Reported Sites for current week	Compliance Rate (%)
Khyber Pakhtunkhwa	Abbottabad	110	110	102	93%

	Bannu	92	92	76	83%
	Battagram	43	43	28	65%
	Buner	34	34	27	79%
	Charsadda	61	61	56	92%
	Chitral Upper	33	33	9	27%
	Chitral Lower	35	35	31	89%
	D.I. Khan	89	89	5	6%
	Dir Lower	75	75	73	97%
	Dir Upper	55	55	50	91%
	Hangu	22	22	22	100%
	Haripur	69	69	67	97%
	Karak	34	34	32	94%
	Khyber	40	40	5	13%
	Kohat	59	59	55	93%
	Kohistan Lower	11	11	10	91%
	Kohistan Upper	20	20	20	100%
	Kolai Palas	10	10	10	100%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	36	86%
	Mansehra	133	133	102	77%
	Mardan	84	84	65	77%
	Nowshera	52	52	45	87%
	Peshawar	101	101	92	91%
	Shangla	36	36	8	22%
	Swabi	60	60	57	95%
	Swat	77	77	70	91%
	Tank	34	34	33	97%
	Torghar	10	10	10	100%
	Mirpur	35	35	36	100%
	Bhimber	20	20	16	80%
	Kotli	60	60	10	17%
	Muzaffarabad	43	43	43	100%
	Poonch	46	46	45	98%
Azad Jammu Kashmir	Haveli	43	43	0	0%
	Bagh	41	41	36	88%
	Neelum	33	33	30	91%
	Jhelum Vellay	49	49	15	31%
	Sudhnooti	68	68	27	40%
	ICT	18	18	7	39%
	CDA	9	9	3	33%
	Kech	78	44	28	64%
	Khuzdar	136	20	14	70%
	Lasbella	85	85	79	93%
	Pishin	118	23	12	52%
Islamabad Capital Territory	Quetta	77	22	16	73%
	Sibi	42	42	11	26%
	Zhob	37	37	28	76%
	Naserabad	45	45	37	82%
	kharan	32	32	27	84%
	sherani	32	32	4	13%
	kohlu	75	75	36	48%

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	Chagi	65	65	18	28%
	kalat	65	65	13	20%
	Harnai	36	36	16	44%
	Kachhi (Bolan)	35	35	13	37%
	Jhal Magsi	39	39	25	64%
	Sohbat pur	26	26	18	69%
	Surab	33	33	8	24%
	Mastung	45	45	16	36%
	Loralai	25	25	25	100%
	Killa Saifullah	31	31	19	61%
	Ziarat	42	42	3	7%
Gilgit Baltistan	Hunza	31	31	31	100%
	Hyderabad	63	63	24	38%
	Ghotki	65	65	65	100%
	Umerkot	98	41	41	100%
	Naushahro Feroze	120	52	23	44%
	Tharparkar	292	100	93	93%
	Shikarpur	64	64	60	94%
	Thatta	53	53	53	100%
	Larkana	67	67	67	100%
	Kamber Shadadkot	71	71	71	100%
	Karachi-East	14	14	10	71%
	Karachi-West	18	18	18	100%
	Karachi-Malir	37	37	6	16%
	Karachi-Kemari	17	17	13	76%
	Karachi-Central	12	12	9	75%
	Karachi-Korangi	17	17	13	76%
Sindh	Karachi-South	4	4	2	50%
	Sujawal	31	31	30	97%
	Mirpur Khas	124	124	96	77%
	Badin	144	144	68	47%
	Sukkur	65	65	64	98%
	Dadu	90	90	88	98%
	Sanghar	101	101	39	39%
	Jacobabad	54	54	30	56%
	Khairpur	203	203	158	78%
	kashmore	59	59	57	97%
	Matiari	42	42	41	98%
	Jamshoro	70	70	52	74%
	Tando Allahyar	54	54	49	91%
	Tando Muhammad Khan	41	41	10	24%
	Shaheed Benazirabad	124	124	124	100%
Punjab	Bahawalpur	91	91	91	100%

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