



# Field Epidemiology and Disease Surveillance Division (FEDSD)

## National Institute of Health (NIH), Islamabad

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### Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)

02<sup>nd</sup> June 2023

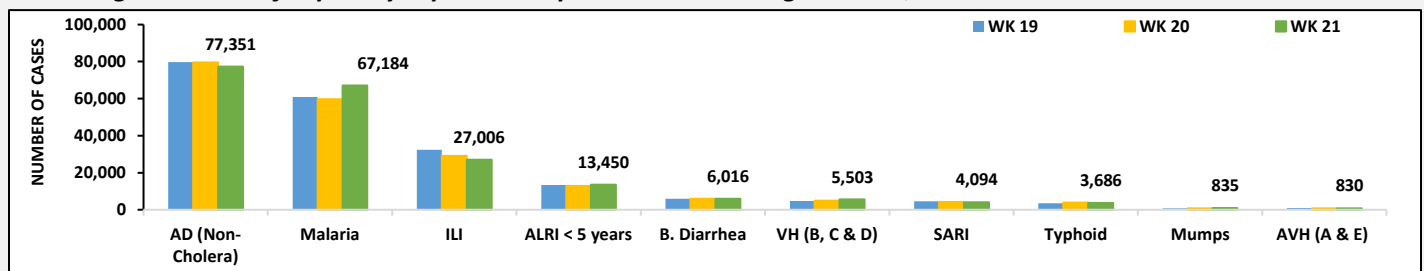
Epi Week-21 (22<sup>nd</sup> – 28<sup>th</sup> May 2023)

*All reported cases in this report are suspected cases*

#### Highlights:

- During week 21, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by Malaria, ILI, ALRI <5 years, B. Diarrhea, VH (B, C, D), SARI, Typhoid, Mumps and AVH (A&E).
- Overall increase in cases observed for Malaria, ALRI <5 years and VH (B, C, D).
- The burden of AD and Malaria cases reported mostly from Sindh and KPK provinces.
- Cases of AWD are reported in high numbers from Balochistan and AJK. All are suspected cases and field investigations are being carried out to verify cases.
- Further, vaccine preventable diseases are on rise and reported from all provinces. Targeted interventions with immunization department (EPI, FDI) required to increase vaccine coverage in all affected districts.

**Figure 1: Most frequently reported suspected cases during week 21, Pakistan**



**Table 1: Province/Area wise distribution of most frequently reported cases during week 21, Pakistan.**

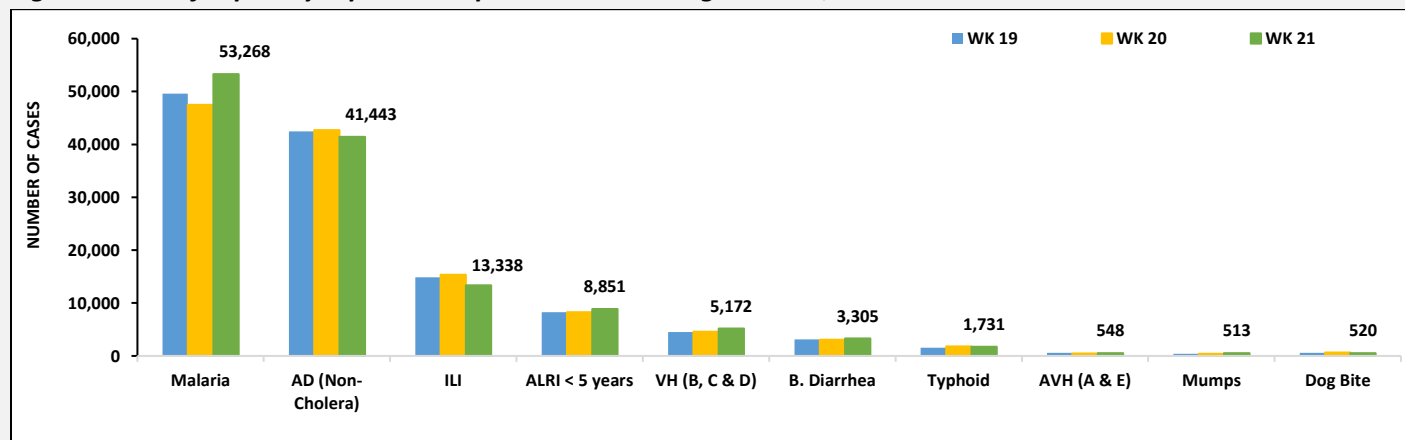
Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	2,060	5,171	9	498	26,908	1,262	41,443	77,351
Malaria	124	8,274	0	0	5,518	NR	53,268	67,184
ILI	2,356	3,356	0	1,079	6,877	NR	13,338	27,006
ALRI < 5 years	839	1,628	12	0	2120	NR	8,851	13,450
B. Diarrhea	122	1,660	1	5	923	NR	3,305	6,016
VH (B, C & D)	17	71	0	0	243	NR	5,172	5,503
SARI	340	872	5	0	2447	NR	430	4,094
Typhoid	93	821	3	0	1038	NR	1,731	3,686
Mumps	90	83	3	4	142	NR	513	835
AVH (A & E)	41	50	0	0	191	NR	548	830
Dog Bite	32	84	0	0	166	NR	520	802
CL	2	50	0	0	724	NR	12	788
AWD (S. Cholera)	96	269	8	36	62	NR	71	542
Measles	24	41	0	2	233	NR	63	363
Chickenpox/ Varicella	17	17	0	9	147	NR	118	308
Dengue	0	16	0	0	29	NR	110	155
Pertussis	11	94	0	0	10	NR	5	120
Gonorrhoea	2	56	0	0	17	NR	31	106
Leprosy	0	20	0	0	18	NR	2	40
Syphilis	0	16	0	0	3	NR	10	29
AFP	3	0	0	0	18	NR	5	26
HIV/AIDS	0	1	0	0	3	NR	20	24
VL	0	7	0	0	1	NR	12	20
Meningitis	5	1	0	0	1	NR	12	19
Brucellosis	1	0	0	0	16	NR	0	17
NT	0	0	0	0	0	NR	0	0
CCHF	0	0	0	0	8	NR	0	8
Diphtheria (Probable)	1	3	0	0	0	NR	1	5

Anthrax	0	0	0	0	0	NR	0	0
Rubella (CRS)	0	2	0	0	0	NR	0	2

## Sindh

- Malaria cases were maximum followed by AD (Non-Cholera), ILI, ALRI<5 Years, VH (B, C, D), B. Diarrhea, Typhoid, AVH (A&E), Mumps and dog bite.
- An increased trend in cases observed for Malaria, ALRI<5 years, VH (B, C, D) and B. Diarrhea.
- Malaria cases are mostly from Larkana, Kamber, Umerkot, Dadu and Mirpurkhas whereas AD cases are from Badin, Dadu and Mirpurkhas. All are suspected cases and need verification of cases.
- Sanghar, Sukkur, Badin and Matiari reported cases of VH(B,C,D) in high numbers which need urgent field investigation to verify.

**Figure 2: Most frequently reported suspected cases during week 21, Sindh**



**Table 2: District wise distribution of most frequently reported suspected cases during week 21, Sindh**

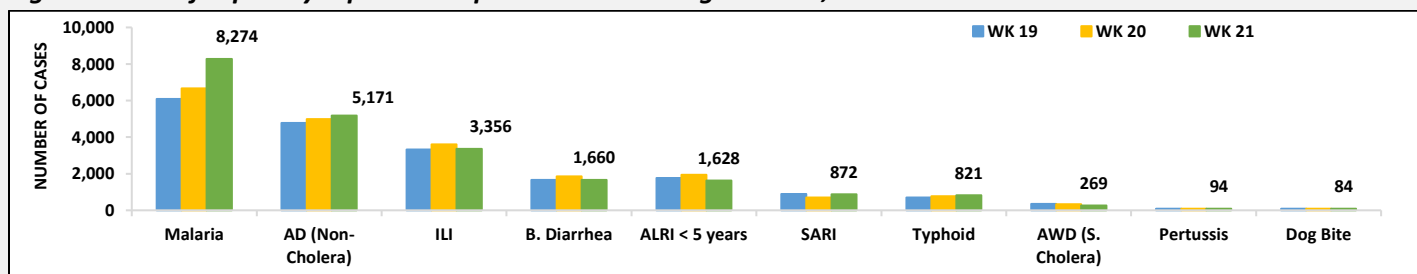
DISTRICTS	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	3,100	3,214	99	608	224	61	0	1	362	0	117
Dadu	2,873	3,605	141	563	321	251	3	0	94	0	0
Ghotki	1,261	798	0	475	111	37	0	6	234	0	0
Hyderabad	1,171	91	851	57	30	1	0	6	41	3	0
Jacobabad	615	824	0	190	47	1	0	1	68	0	10
Jamshoro	807	702	0	192	68	82	3	10	87	0	26
Kamber	2,225	6,346	0	355	189	33	0	0	213	0	0
Karachi Central	1,022	71	1,171	40	99	131	14	5	187	11	0
Karachi East	234	61	60	23	0	2	20	0	0	7	3
Karachi Keamari	543	1	172	26	2	6	1	0	0	0	0
Karachi Korangi	417	62	36	1	3	1	0	0	0	2	0
Karachi Malir	1,015	84	1,069	153	38	20	59	1	31	4	14
Karachi South	112	27	0	8	0	2	0	0	0	0	0
Karachi West	598	59	349	199	23	15	23	4	8	18	28
Kashmore	801	1,953	417	271	86	20	1	2	67	0	4
Khairpur	2,296	2,672	169	991	424	261	1	0	171	0	26
Larkana	1,929	8,736	0	171	206	1	20	0	59	0	0
Matiari	1,951	1,231	0	213	80	20	5	1	344	11	23
Mirpurkhas	2,647	3,278	2,923	354	71	32	45	0	56	0	2
Naushero Feroze	915	881	172	158	28	161	0	0	284	0	0
Sanghar	2,678	1,884	212	729	218	121	17	0	1,261	0	113
Shaheed Benazirabad	2,078	1,686	32	391	71	237	0	0	190	0	0
Shikarpur	1,340	1,252	2	118	113	3	2	2	261	0	0
Sujawal	249	300	0	121	50	30	0	0	0	0	0
Sukkur	2,026	2,240	1,939	291	241	14	1	6	454	0	0
Tando Allahyar	1,924	851	685	177	117	39	0	4	126	1	28

Tando Muhammad Khan	354	325	0	36	20	0	0	0	20	0	25
Tharparkar	1,092	2,087	1,364	414	89	29	43	5	108	53	4
Thatta	1,623	3,056	1,475	267	144	33	172	9	242	0	97
Umerkot	1,547	4,891	0	1,259	192	87	0	0	204	0	0
<b>Total</b>	<b>41,443</b>	<b>53,268</b>	<b>13,338</b>	<b>8,851</b>	<b>3,305</b>	<b>1,731</b>	<b>430</b>	<b>63</b>	<b>5,172</b>	<b>110</b>	<b>520</b>

### Balochistan

- Malaria, AD (Non-Cholera), ILI, B. Diarrhea, ALRI <5 years, SARI, Typhoid, AWD (S. Cholera), Pertussis and Dog bite were the most frequently reported diseases.
- Cases of Malaria showed upward trend in cases compared to last week however, ILI and ALRI <5 years cases declined this week.
- AWD (S. Cholera) cases are reported in high numbers from Mastung, Quetta and Jhal Magsi districts, which are facing post flood outbreaks. Field investigation is required to control the spread of disease.

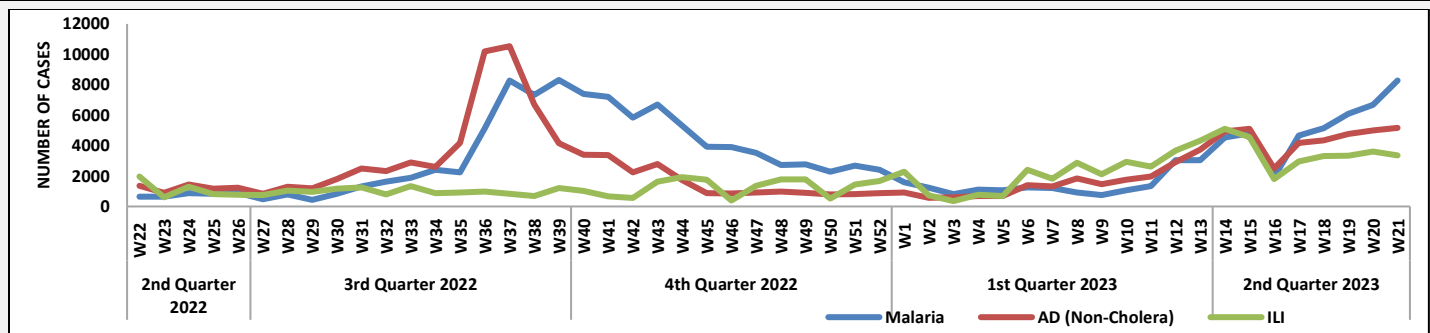
**Figure 3: Most frequently reported suspected cases during week 21, Balochistan**



**Table 3: District wise distribution of most frequently reported suspected cases during week 21, Balochistan**

Districts	ILI	Malaria	AD (Non-Cholera)	ALRI < 5 years	SARI	B. Diarrhea	Typhoid	CL	Dog Bite	AWD (S. Cholera)
Chagai	255	37	161	0	0	62	36	0	0	15
Harnai	0	136	459	448	0	405	18	0	2	19
Jhal Magsi	0	1,544	356	29	25	28	80	2	23	31
Kachhi (Bolan)	0	50	43	28	0	3	9	0	0	0
Kech (Turbat)	663	727	371	48	16	81	1	0	0	1
Kharan	201	281	137	0	0	84	3	0	0	0
Khuzdar	253	264	154	4	2	66	28	0	13	0
Killa Saifullah	0	176	185	102	33	117	36	5	0	22
Kohlu	106	121	65	10	12	74	26	1	0	1
Lasbella	93	1,162	736	120	281	88	84	5	11	1
Loralai	192	73	319	155	148	67	51	2	14	8
Mastung	128	88	371	65	53	99	44	4	6	74
Naseerabad	1	753	180	2	0	10	74	2	3	4
Nushki	0	141	213	0	7	69	0	0	0	4
Pishin	159	9	135	27	2	70	15	12	2	0
Quetta	785	28	436	82	12	85	41	7	0	39
Sherani	19	10	7	0	3	7	0	2	0	0
Sibi	318	565	183	35	12	31	97	3	5	15
Sohbat pur	8	1,919	407	99	218	118	147	5	0	0
SURAB	23	52	13	6	0	5	10	0	0	0
Zhob	41	73	157	349	43	70	13	0	0	28
Ziarat	111	65	83	19	5	21	8	0	5	7
<b>Total</b>	<b>3,356</b>	<b>8,274</b>	<b>5,171</b>	<b>1,628</b>	<b>872</b>	<b>1,660</b>	<b>821</b>	<b>50</b>	<b>84</b>	<b>269</b>

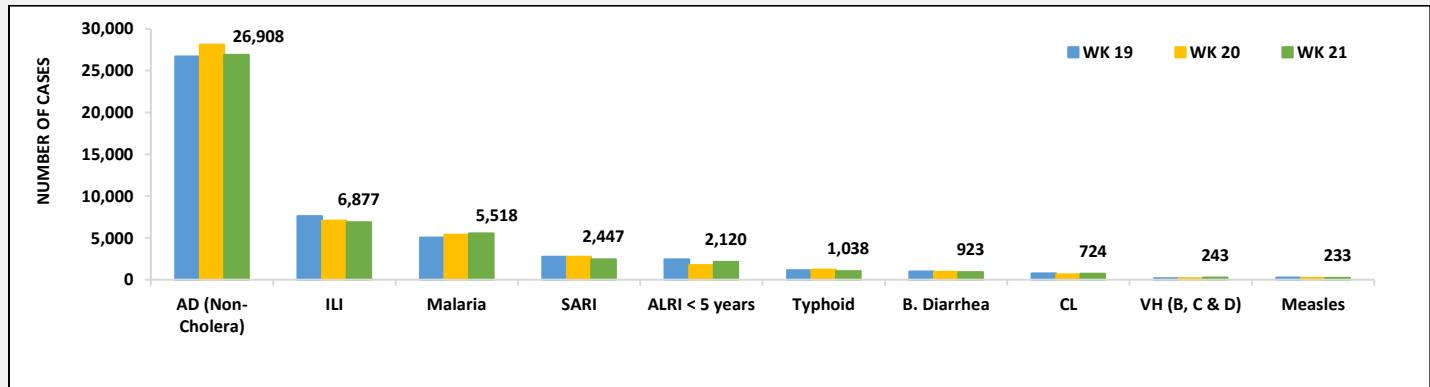
**Figure 4: Week wise reported suspected cases of AD (Non-Cholera), Malaria & Typhoid, Balochistan**



### Khyber Pakhtunkhwa

- Cases of AD (Non-Cholera) were maximum followed by ILI, Malaria, SARI, ALRI<5 Years, Typhoid, B. Diarrhea, CL, VH (B, C & D) and Measles cases.
- Cases of AD (Non-Cholera) are mostly reported from Peshawar, Swat, Swabi and Dir Lower. AWD cases are reported in increased numbers from Peshawar and Shangla. All are suspected cases and need verification.
- Malaria cases showed slight increase whereas AD and ILI declined compared to last week.

**Figure 5: Most frequently reported suspected cases during week 21, KP**

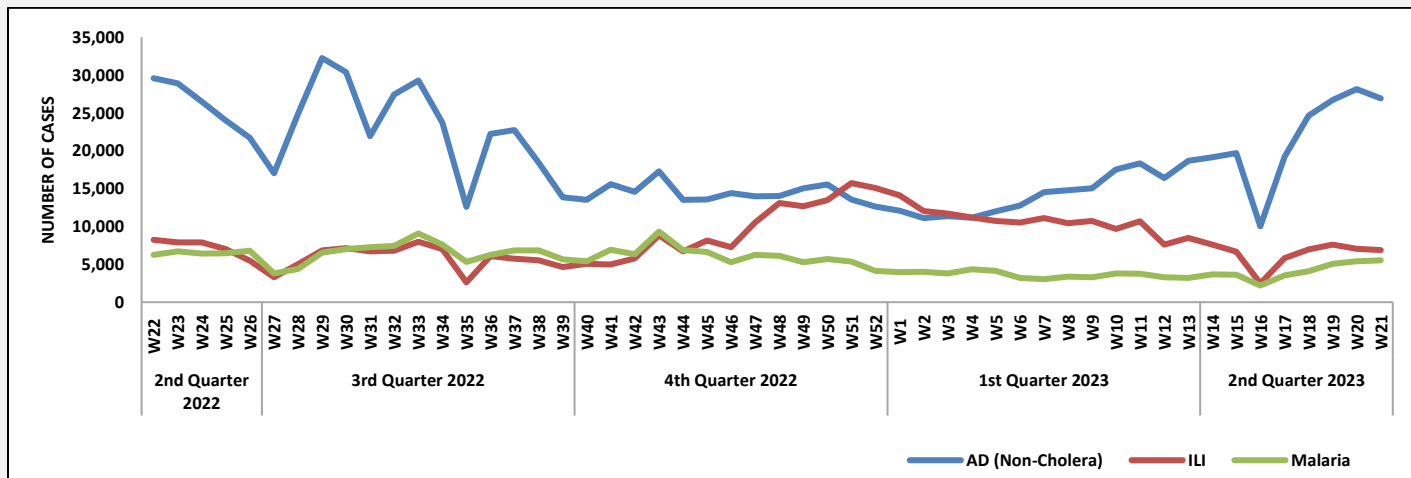


**Table 4: District wise distribution of most frequently reported suspected cases during week 21, KP**

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	643	1	4	11	3	2	18	3	0	0
Bannu	640	885	233	0	14	11	40	0	0	0
Battagram	522	55	932	1	131	0	2	0	0	1
Buner	810	660	0	0	0	17	44	6	0	0
Charsadda	1,389	11	267	26	6	0	2	0	0	0
Chitral Lower	481	6	144	939	10	4	6	12	0	0
Chitral Upper	112	8	2	254	3	0	12	1	0	0
D.I. Khan	30	8	0	0	0	0	0	0	0	0
Dir Lower	1,896	768	189	302	265	109	66	5	0	57
Dir Upper	592	7	59	0	155	37	20	0	0	8
Hangu	302	306	441	187	9	18	28	12	0	2
Haripur	1,798	26	452	5	161	0	56	4	0	48
Karak	432	91	113	32	13	1	9	16	4	0
Khyber	15	17	95	2	2	9	7	2	1	0
Kohat	55	28	23	2	1	0	0	3	0	0
Kohistan Lower	67	8	0	234	4	29	1	0	12	0
Kohistan Upper	421	1	80	74	27	28	97	0	3	0
Kolai Palas	71	7	0	0	0	17	6	0	0	0
Lakki Marwat	628	1,471	1	0	30	27	26	0	0	0
Malakand	679	15		22	15	110	28			3

Mansehra	546	4	264	31	35	28	12	0	4	3
Mardan	1,888	79	1,098	157	252	146	0	3	0	1
Nowshera	1,864	62	61	14	3	49	25	0	2	7
Peshawar	3,676	69	1,125	38	153	194	154	3	55	16
Shangla	566	418	0	0	6	0	48	68	23	12
Swabi	2,377	42	941	82	236	30	43	0	1	33
Swat	3,218	46	348	0	458	9	113	25	0	0
Tank	1,029	268	5	0	113	26	140	0	0	0
Tor Ghar	161	151	0	34	15	22	35	3	7	0
<b>Total</b>	<b>26,908</b>	<b>5,518</b>	<b>6,877</b>	<b>2,447</b>	<b>2,120</b>	<b>923</b>	<b>1,038</b>	<b>166</b>	<b>112</b>	<b>191</b>

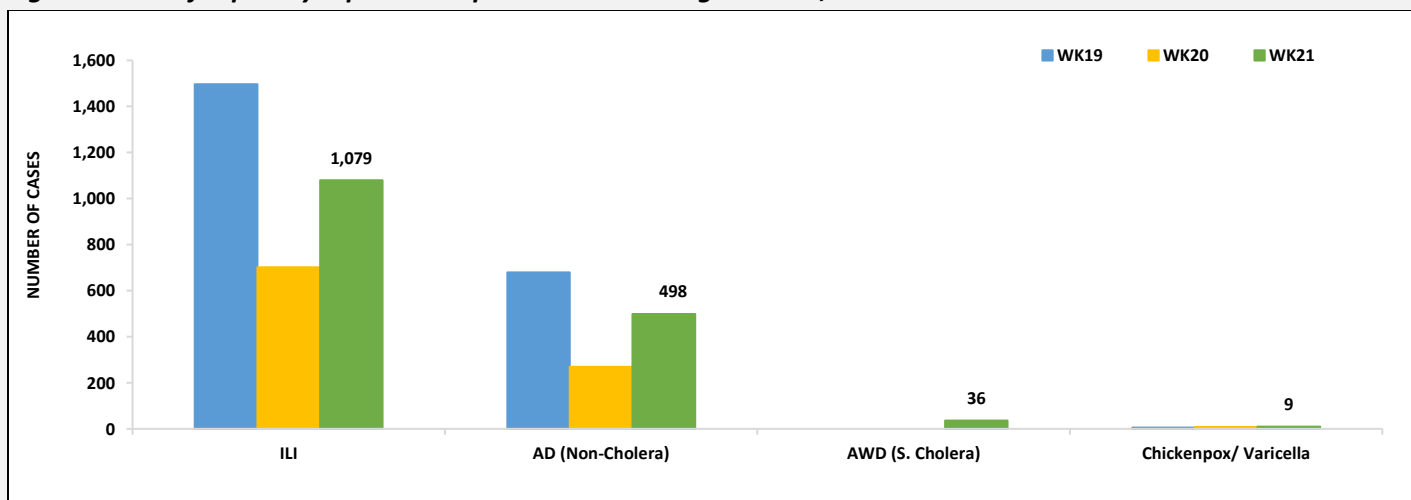
**Figure 6: Week wise reported suspected cases of AD (Non-Cholera), ILI & Malaria, KP**



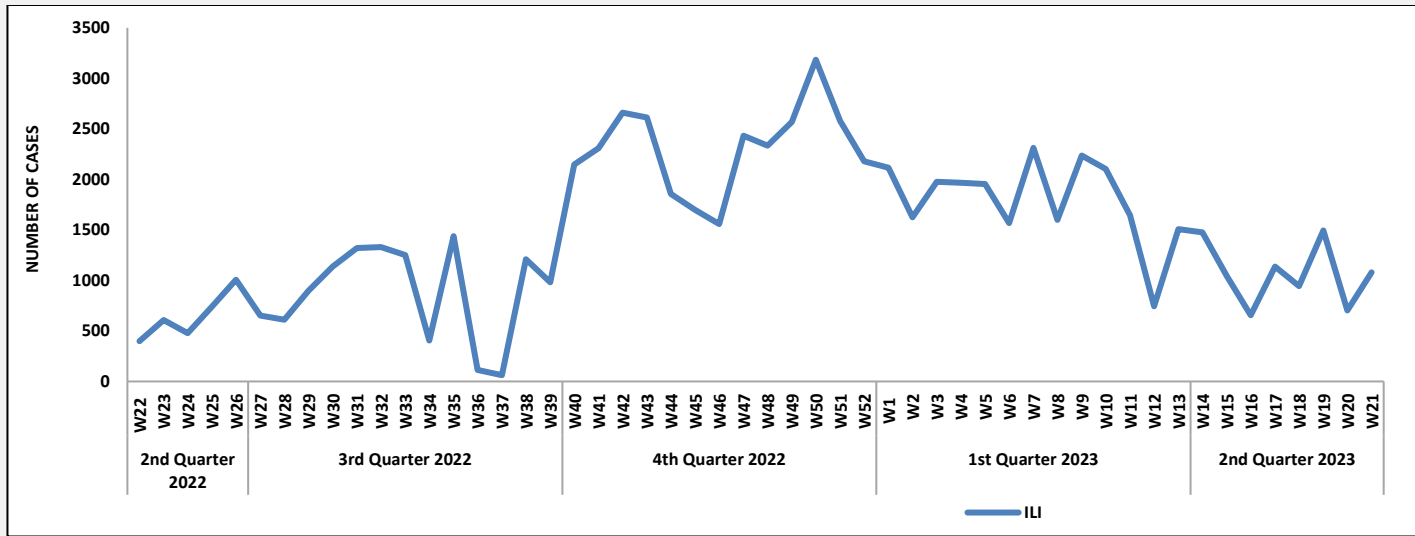
### Islamabad

- The most frequently reported cases from Islamabad were ILI followed by AD (Non-Cholera), AWD and Chickenpox.
- ILI cases continued to rise this week.

**Figure 7: Most frequently reported suspected cases during week 21, ICT**



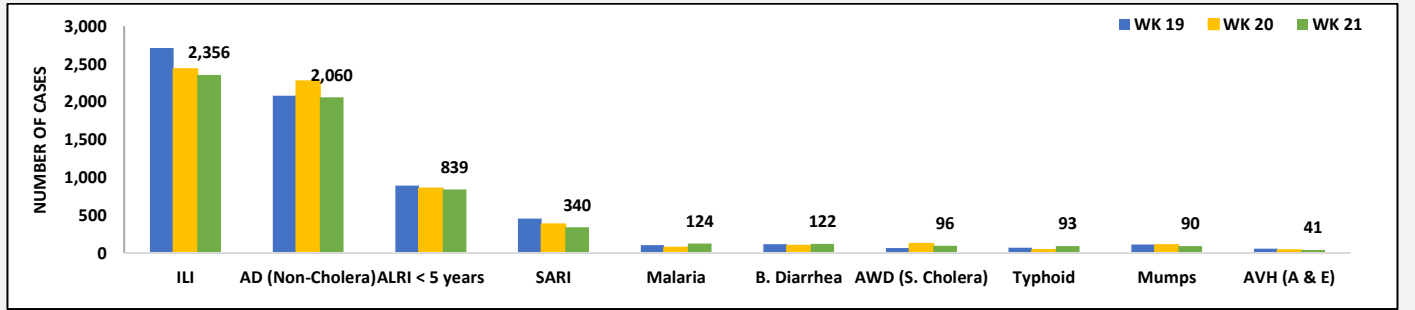
**Figure 8: Week wise reported suspected cases of ILI, ICT**



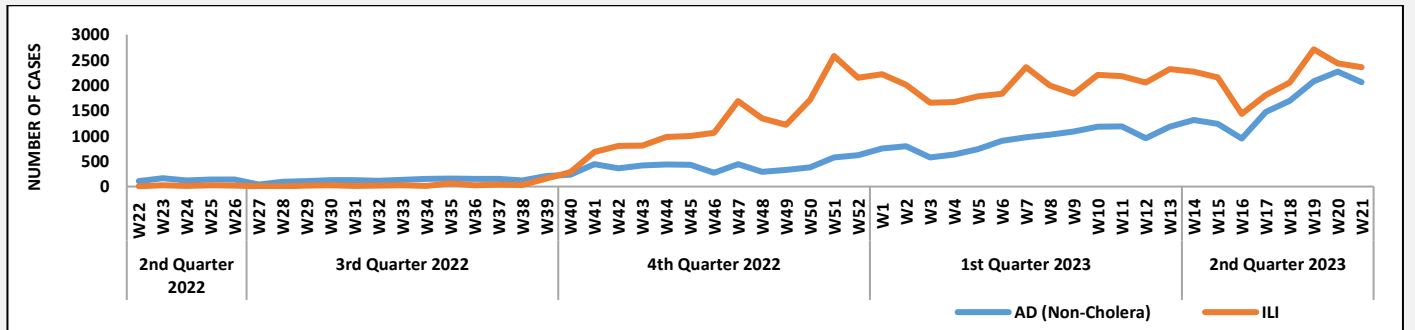
**Azad Jammu and Kashmir**

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

**Figure 9: Most frequently reported suspected cases during week 21, AJK**



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



**Gilgit-Baltistan**

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

**Figure 11: Most frequent cases reported during WK 21, GB**

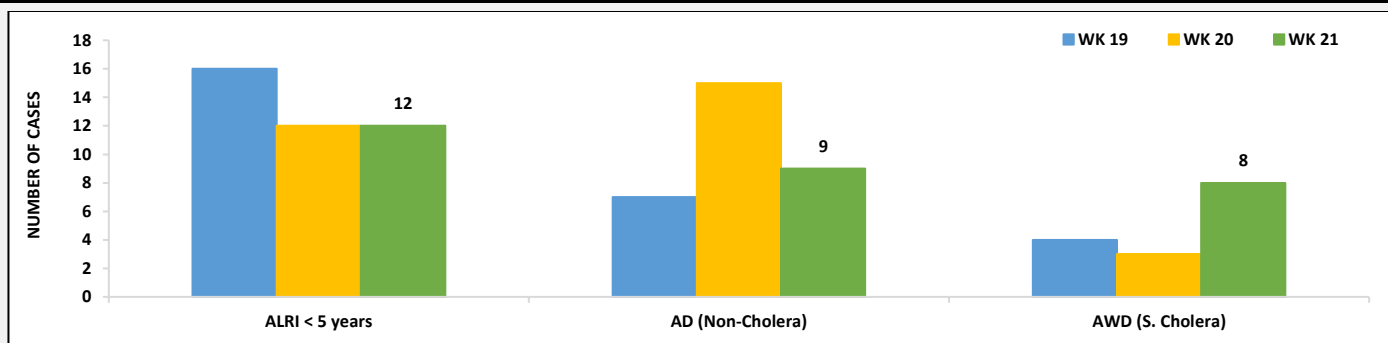


Figure 12: Week wise reported suspected cases of ALRI < 5 years, GB

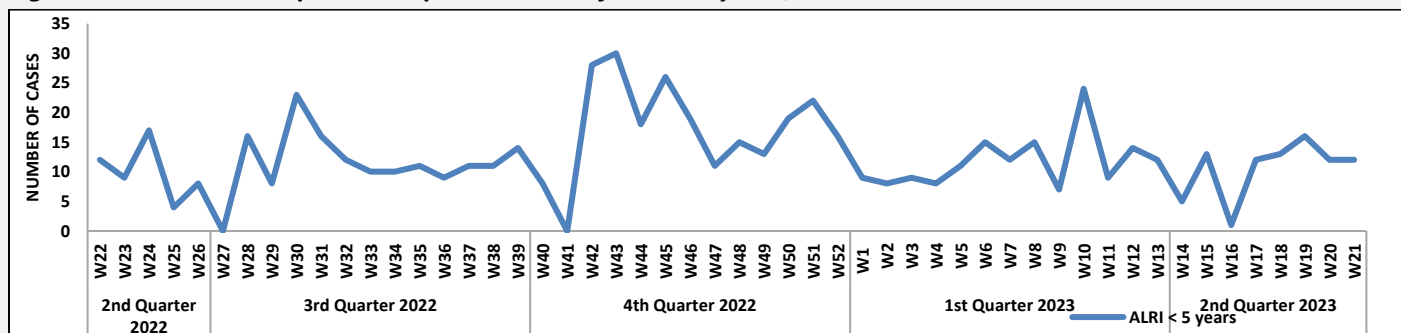


Table 5: IDSR Priority Diseases Confirmed Cases reported from Public Health Laboratories of Pakistan

Diseases	Sindh	KP	Balochistan	Punjab	Gilgit
Acute Viral Hepatitis(B)	81	-	-	1	-
Acute Viral Hepatitis(C)	246	-	14	-	-
Acute Watery Diarhea (S. Cholera)	2	-	-	-	-
CCHF	-	-	4	-	-
Covid-19	-	-	1	0	0
Dengue	6	-	0	-	-
Malaria	128	-	-	-	-
Typhoid	-	10	-	-	-

### 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	101	92%
	Bannu	92	92	67	73%
	Battagram	43	43	27	63%
	Buner	34	34	28	82%
	Charsadda	61	61	50	82%
	Chitral Upper	33	33	10	30%
	Chitral Lower	35	35	32	91%
	D.I. Khan	89	89	3	3%

	Dir Lower	75	75	61	81%
	Dir Upper	55	55	35	64%
	Hangu	22	22	22	100%
	Haripur	69	69	61	88%
	Karak	34	34	34	100%
	Khyber	40	40	5	13%
	Kohat	59	59	59	100%
	Kohistan Lower	11	11	9	82%
	Kohistan Upper	20	20	20	100%
	Kolai Palas	10	10	10	100%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	33	79%
	Mansehra	133	133	21	16%
	Mardan	84	84	52	62%
	Nowshera	52	52	50	96%
	Peshawar	101	101	92	91%
	Shangla	36	36	9	25%
	Swabi	60	60	57	95%
	Swat	77	77	70	91%
	Tank	34	34	34	100%
	Torghar	10	10	10	100%
Azad Jammu Kashmir	Mirpur	37	37	37	100%
	Bhimber	20	20	16	80%
	Kotli	60	60	41	68%
	Muzaffarabad	43	43	42	98%
	Poonch	46	46	46	100%
	Haveli	43	43	23	53%
	Bagh	41	41	30	73%
	Neelum	33	33	31	94%
	Jhelum Vellay	49	49	11	22%
Sudhnooti	68	68	26	38%	
Islamabad Capital Territory	ICT	18	18	17	94%
Balochistan	Kech	78	44	31	70%
	Khuzdar	136	20	17	85%
	Killa Abdullah	50	32	0	0%
	Lasbella	85	85	78	92%
	Pishin	118	23	9	39%
	Quetta	77	22	17	77%
	Sibi	42	42	16	38%
	Zhob	37	37	24	65%
	Naserabad	45	45	34	76%
	sherani	32	32	4	13%
	kohlu	75	75	19	25%
	Chagi	65	65	18	28%
	Harnai	36	36	17	47%
	Kachhi (Bolan)	35	35	3	9%
	Jhal Magsi	39	39	22	56%
	Sohbat pur	26	26	24	92%
	Surab	33	33	6	18%
	Mastung	45	45	17	38%
Loralai	25	25	19	76%	



	Killa Saifullah	31	31	22	71%
	Ziarat	42	42	11	26%
<b>Gilgit Baltistan</b>	Hunza	31	31	31	100%
	Hyderabad	63	63	25	40%
	Ghotki	65	65	63	97%
	Umerkot	98	43	43	100%
	Naushahro Feroze	120	52	15	29%
	Tharparkar	292	100	92	92%
	Shikarpur	64	64	59	92%
	Thatta	53	53	46	87%
	Larkana	67	67	67	100%
	Kamber Shadadkot	71	71	71	100%
	Karachi-East	14	14	11	79%
	Karachi-West	20	20	20	100%
	Karachi-Malir	37	37	4	11%
	Karachi-Kemari	17	17	10	59%
	Karachi-Central	12	12	11	92%
	Karachi-Korangi	17	17	11	65%
	Karachi-South	4	4	2	50%
	Sujawal	31	31	27	87%
	Mirpur Khas	124	124	105	85%
	Badin	144	144	114	79%
	Sukkur	65	65	64	98%
	Dadu	90	90	86	96%
	Sanghar	101	101	88	87%
	Jacobabad	54	54	29	54%
	Khairpur	203	203	165	81%
	kashmore	59	59	59	100%
	Matari	42	42	41	98%
	Jamshoro	70	70	9	13%
	Tando Allahyar	54	54	49	91%
	Tando Muhammad Khan	41	41	10	24%
	Shaheed Benazirabad	124	124	124	100%

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