



# Field Epidemiology and Disease Surveillance Division (FEDSD)

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

06<sup>th</sup> April 2023

Epi Week-13 (27<sup>th</sup> March – 02<sup>nd</sup> April 2023)

#### All reported cases in this report are suspected cases

#### Highlights:

- During week 13, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by Malaria, ILI, ALRI <5 years, SARI, VH (B, C, D), B. Diarrhea, Typhoid, CL and dog bite.
- Overall increase is observed for cases of ILI and SARI.
- Burden of AD cases is reported mostly from Sindh and KPK whereas VH (B, C, D) cases reported from Sindh.
- One hundred and forty six cases of AWD are reported from Balochistan, which need urgent verification followed by field investigation.

Figure 1: Most frequently reported suspected cases during week 13, Pakistan

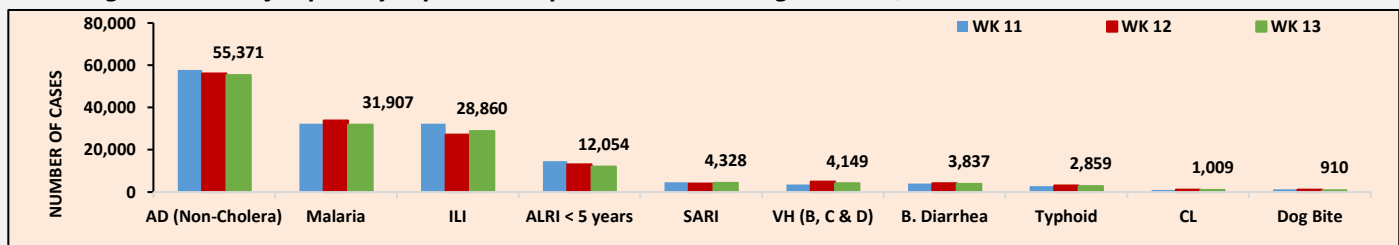


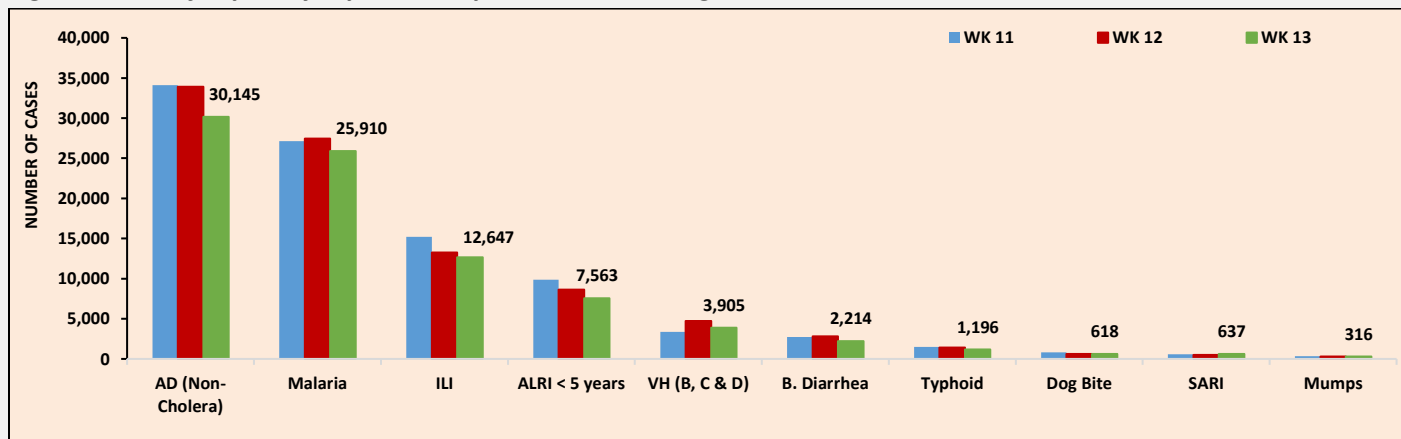
Table 1: Province/Area wise distribution of most frequently reported cases during week 13, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	1006	3537	8	327	18,544	1804	30,145	55,371
Malaria	75	2,862	0	0	3,060	NR	25,910	31,907
ILI	2,195	4,013	0	1,385	8,534	86	12,647	28,860
ALRI < 5 years	1013	1129	12	4	2333	NR	7,563	12,054
SARI	439	725	5	0	2522	NR	637	4,328
VH (B, C & D)	15	76	0	0	153	NR	3905	4,149
B. Diarrhea	64	891	0	8	660	NR	2,214	3,837
Typhoid	56	583	0	0	1024	NR	1196	2,859
CL	11	132	0	0	866	NR	0	1,009
Dog Bite	35	56	0	0	201	NR	618	910
Mumps	102	41	0	6	182	NR	316	647
AVH (A & E) (New Susp. Cases)	38	17	0	0	231	NR	70	356
Measles	9	31	0	1	219	NR	50	310
Chickenpox/ Varicella	4	37	1	8	93	NR	133	276
AWD (S. Cholera)	43	146	1	0	11	NR	37	238
Pertussis	12	76	0	0	38	NR	2	128
Rubella (CRS)	5	90	0	0	0	NR	0	95
Dengue	2	4	0	0	2	NR	79	87
Gonorrhoea	1	27	0	0	8	NR	10	46
Anthrax	0	0	0	0	0	NR	0	0
AFP	2	1	0	0	14	NR	9	26
Brucellosis	0	0	0	0	25	NR	0	25
HIV/AIDS	0	0	0	0	02	NR	5	07
NT	0	6	0	0	6	NR	2	14
Meningitis	1	1	0	0	5	NR	6	13
Syphilis	0	0	0	0	2	NR	8	10
Diphtheria (Probable)	0	8	0	0	0	NR	0	8
Chikungunya	0	0	0	0	2	NR	6	8
Leprosy	0	7	0	0	0	NR	0	7
VL	0	0	0	0	1	NR	0	1

## Sindh

- AD (Non-Cholera) cases were maximum followed by Malaria, ILI, ALRI<5 Years, VH (B, C, D), B. Diarrhea, Typhoid, dog bite, SARI and Mumps cases.
- Except for SARI, all other diseases showed downward trend this week.
- Mirpurkhas, Sanghar and Badin districts reported high burden of AD cases.
- Seventeen Measles cases are reported from Karachi West, which requires urgent field investigation to verify and control further spread of illness in the area.

**Figure 2: Most frequently reported suspected cases during week 13, Sindh**



**Table 2: District wise distribution of most frequently reported suspected cases during week 13, Sindh**

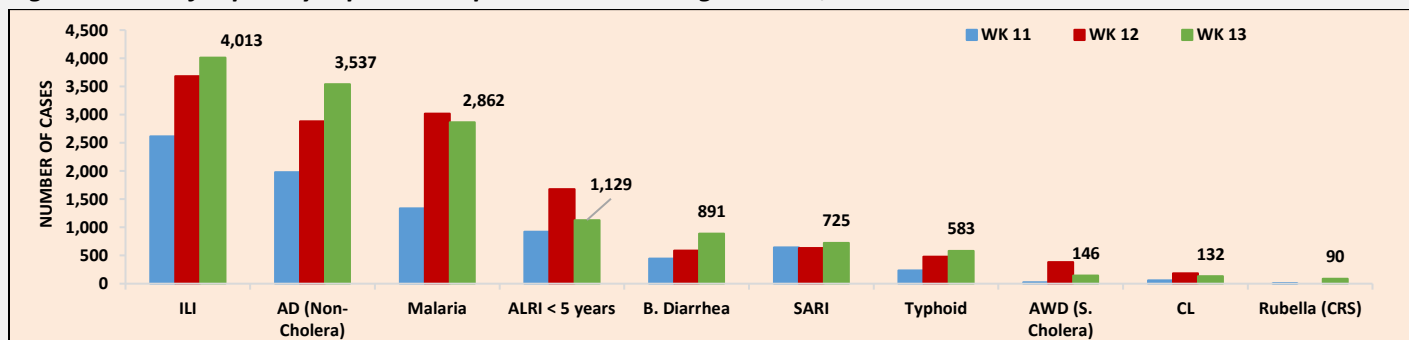
DISTRICTS	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	2,587	2,278	470	939	159	89	281	6	152	0	99
Dadu	2,021	2,005	5	492	171	153	14	0	257	0	2
Ghotki	480	198	0	333	43	18	0	1	205	0	23
Hyderabad	777	54	340	69	2	3	2	4	33	0	0
Jacobabad	551	625	15	304	84	20	0	0	152	0	41
Jamshoro	185	137	0	34	11	14	0	0	3	0	3
Kamber	1,578	2,966	0	282	162	22	0	1	293	0	0
Karachi Central	395	27	939	33	36	48	1	4	28	3	0
Karachi East	217	75	21	1	3	1	0	0	0	1	0
Karachi Keamari	441	12	308	27	5	30	3	3	0	3	0
Karachi Korangi	321	95	43	4	3	5	0	2	0	7	1
Karachi Malir	804	82	909	340	49	28	38	0	55	6	49
Karachi South	64	0	0	0	0	0	0	0	0	0	0
Karachi West	857	79	209	80	17	42	0	17	16	27	150
Kashmore	604	1,359	509	257	51	21	7	0	74	0	20
Khairpur	470	369	24	202	87	58	7	0	86	0	14
Larkana	1,229	4,713	0	227	133	1	0	0	463	0	0
Matiari	1,719	686	2	216	126	102	32	1	332	3	26
Mirpurkhas	2,731	1,648	3,028	542	79	43	0	3	138	0	0
Naushero Feroze	675	875	4	181	0	78	186	0	98	0	0
Sanghar	2,620	1,231	106	565	167	133	21	0	644	0	138
Shaheed Benazirabad	1,594	1,188	172	513	68	162	0	0	108	0	0
Shikarpur	1,219	475	2	182	101	7	2	3	302	0	0
Sujawal	500	677	0	200	63	0	0	0	1	0	0
Sukkur	1,368	937	1,793	454	225	11	1	2	257	0	0
Tando Allahyar	1,411	740	777	187	132	28	0	1	134	0	34
Tando Muhammad Khan	418	264	0	101	30	4	0	0	5	0	14
Tharparkar	1,372	1,030	2,971	516	140	33	1	2	57	29	4
Thatta	24	46	0	18	14	0	0	0	0	0	0

Umerkot	913	1,039	0	264	53	42	41	0	12	0	0
<b>Total</b>	<b>30,145</b>	<b>25,910</b>	<b>12,647</b>	<b>7,563</b>	<b>2,214</b>	<b>1,196</b>	<b>637</b>	<b>50</b>	<b>3,905</b>	<b>79</b>	<b>618</b>

### Balochistan

- ILI, AD (Non-Cholera), Malaria, ALRI <5 years, B. Diarrhea, SARI, Typhoid, AWD (Sus. Cholera), CL and Rubella are the most frequently reported diseases from Balochistan province.
- Both ILI and AD showed upward trend in cases this week whereas cases of Malaria slightly declined.
- Musa Khel and Kohlu reported increased cases of AWD whereas Kech, Jaffarabad and Lesbella reported B. Diarrhea cases in high numbers which needs to be investigated.

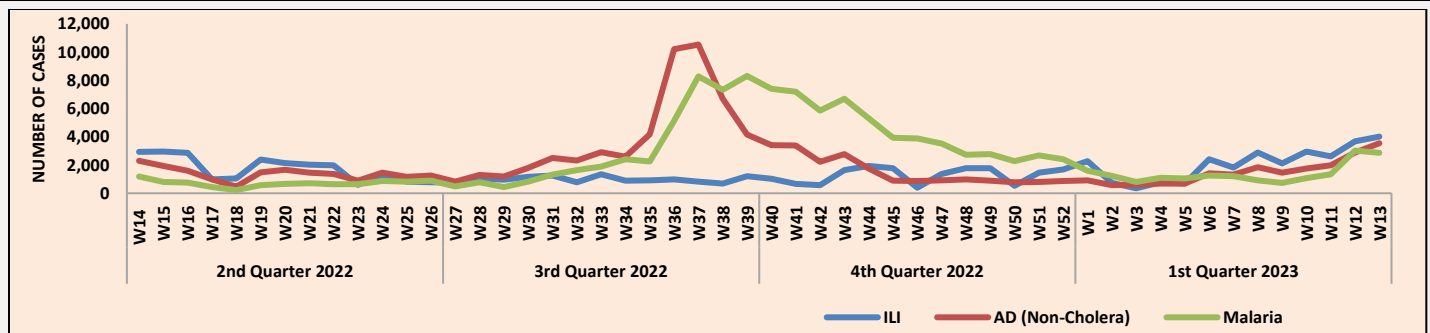
**Figure 3: Most frequently reported suspected cases during week 13, Balochistan**



**Table 3: District wise distribution of most frequently reported suspected cases during week 13, Balochistan**

Districts	ILI	Malaria	AD (Non-Cholera)	ALRI < 5 years	SARI	B. Diarrhea	Typhoid	CL	Dog Bite	AWD (S. Cholera)
Chagai	53	6	73	0	0	21	8	0	0	0
Gwadar	527	54	292	NR	NR	86	7	1	NR	NR
Jaffarabad	252	1,059	599	127	185	92	196	7	10	4
Jhal Magsi	0	154	85	4	0	8	7	4	0	10
Kachhi (Bolan)	72	106	52	0	2	17	27	1	0	13
Kech (Turbat)	661	195	392	171	146	169	2	0	0	0
Kharan	174	42	129	2	8	63	7	0	0	6
Khuzdar	166	44	91	12	12	63	8	6	13	12
Killa Abdullah	21	0	10	0	4	9	4	74	0	9
Kohlu	249	61	136	36	33	42	36	6	2	21
Lasbella	96	412	779	159	137	89	50	4	26	10
Musa Khail	134	127	166	66	23	30	48	0	2	28
Naseerabad	0	353	82	25	0	1	50	0	0	0
Pishin	248	1	78	74	4	34	10	19	3	2
Quetta	726	9	323	47	50	73	43	9	0	18
Sherani	14	4	1	2	4	13	3	0	0	0
Sibi	524	177	106	53	27	42	63	1	0	13
SURAB	0	0	0	0	0	0	0	0	0	0
Zhob	96	58	143	351	90	39	14	0	0	0
<b>Total</b>	<b>4,013</b>	<b>2,862</b>	<b>3,537</b>	<b>1,129</b>	<b>725</b>	<b>891</b>	<b>583</b>	<b>132</b>	<b>56</b>	<b>146</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, CL, B. Diarrhea, AVH (A & E) and Measles cases.
- Peshawar district reported the highest number of AD and B. Diarrhea cases. All are suspected cases and need field investigation to identify risk factors to stop further spread of illness.
- ILI and AD showed an upward trend this week whereas Malaria cases declined.

Figure 5: Most frequently reported suspected cases during week 13, KPK

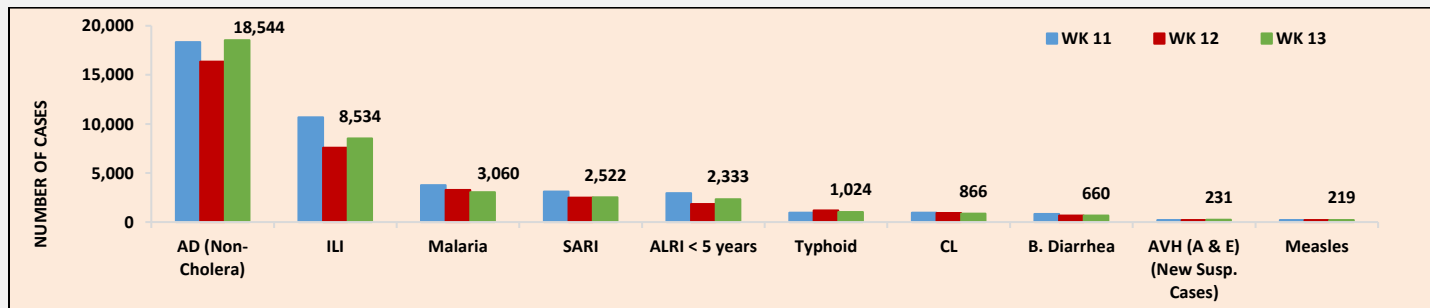
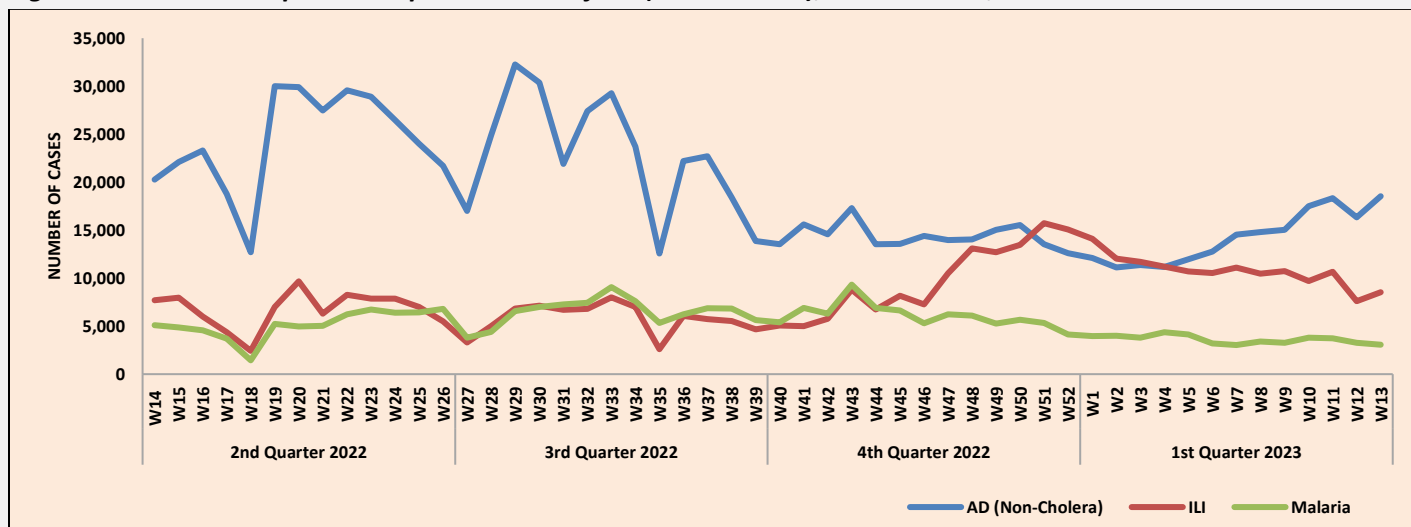


Table 4: District wise distribution of most frequently reported suspected cases during week 13, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	365	0	9	14	2	0	9	2	0	0
Bannu	751	726	367	1	5	21	31	3	0	0
Battagram	340	20	921	16	35	0	2	0	0	4
Buner	255	404	0	0	4	10	40	4	0	0
Charsadda	1,569	29	255	33	14	0	2	0	0	0
Chitral Lower	284	1	162	913	40	3	18	8	0	1
Chitral Upper	73	1	0	281	1	0	15	1	0	1
D.I. Khan	1,007	56	0	5	1	13	0	0	0	0
Dir Lower	754	320	396	146	310	82	64	8	0	114
Dir Upper	321	0	84	8	220	37	10	0	6	2
Hangu	202	262	446	284	26	28	22	10	0	7
Haripur	1,164	14	465	57	255	2	58	0	0	21
Karak	245	23	142	34	6	0	3	24	0	3
Khyber	8	3	96	7	2	7	5	0	0	3
Kohat	63	11	26	3	0	0	1	5	0	0
Kohistan Lower	61	0	0	30	7	4	0	0	0	0
Kohistan Upper	147	0	15	35	4	16	39	0	0	0
Kolai Palas	0	0	0	0	0	0	0	0	0	0
Lakki Marwat	521	625	29	23	67	23	32	0	0	0
Malakand	32	20	0	22	15	33	15	0	0	10
Mansehra	423	0	782	114	64	8	102	4	3	4
Mardan	710	13	919	127	361	15	5	0	0	1

Nowshera	1,484	24	119	13	6	22	21	0	0	7
Peshawar	2,975	14	1,546	84	49	200	45	33	2	6
Shangla	259	137	0	0	9	2	38	78	0	0
Swabi	1,458	11	1,207	232	207	20	34	0	0	38
Swat	2,266	18	454	15	369	60	147	17	0	8
Tank	747	307	94	0	236	36	251	1	0	0
Tor Ghar	60	21	0	25	18	18	15	3	0	1
<b>Total</b>	<b>18,544</b>	<b>3,060</b>	<b>8,534</b>	<b>2,522</b>	<b>2,333</b>	<b>660</b>	<b>1,024</b>	<b>201</b>	<b>11</b>	<b>231</b>

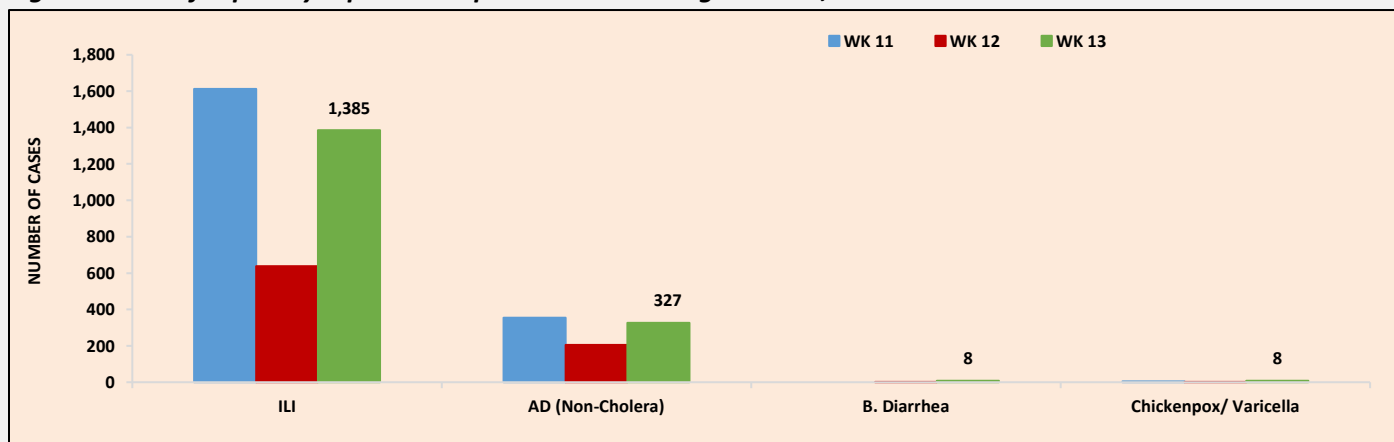
**Figure 6: Week wise reported suspected cases of AD (Non-Cholera), ILI & Malaria, KP**



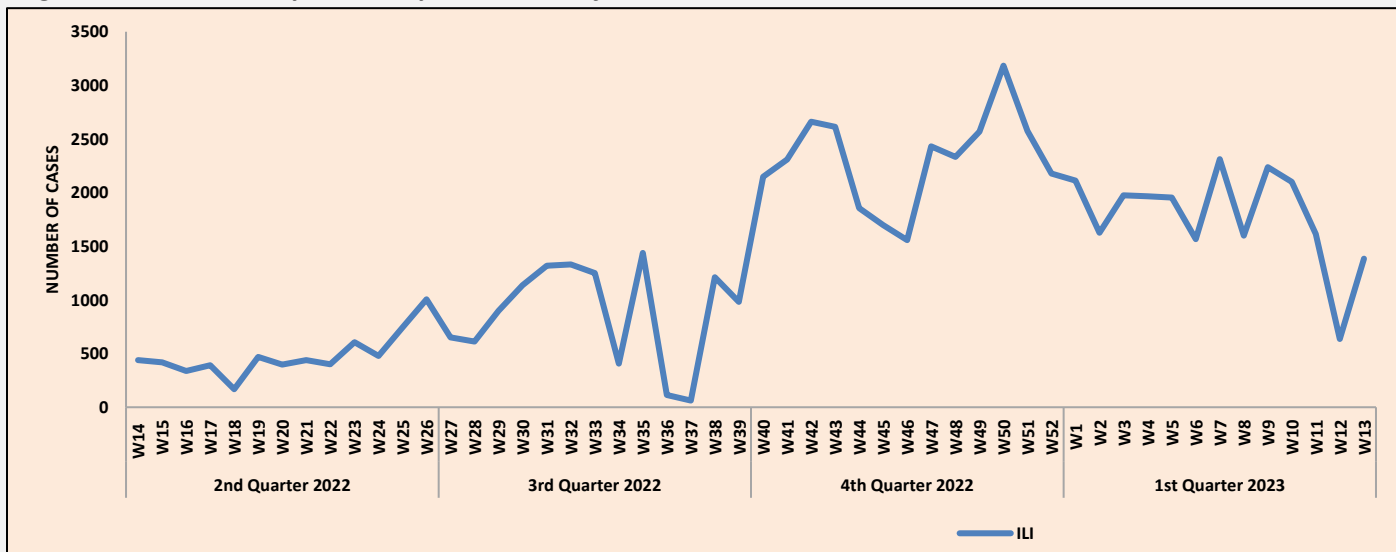
### Islamabad

- The most frequently reported cases from Islamabad were ILI followed by AD (Non-Cholera), B. Diarrhea and Chickenpox.
- ILI and AD (Non-Cholera) cases showed an upward in cases trend this week.

**Figure 7: Most frequently reported suspected cases during week 13, ICT**



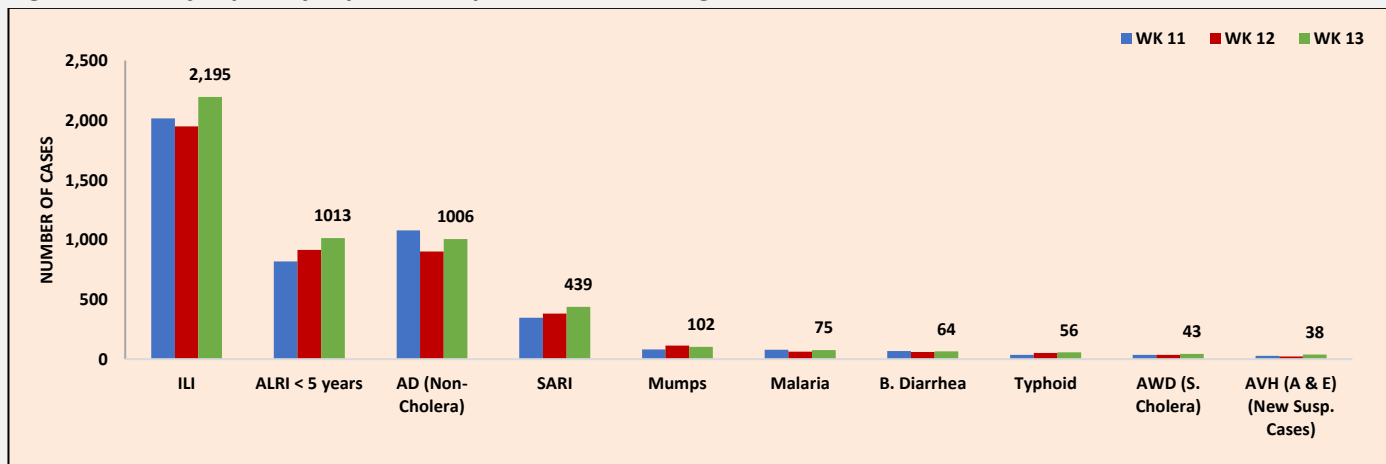
**Figure 8: Week wise reported suspected cases of ILI, ICT**



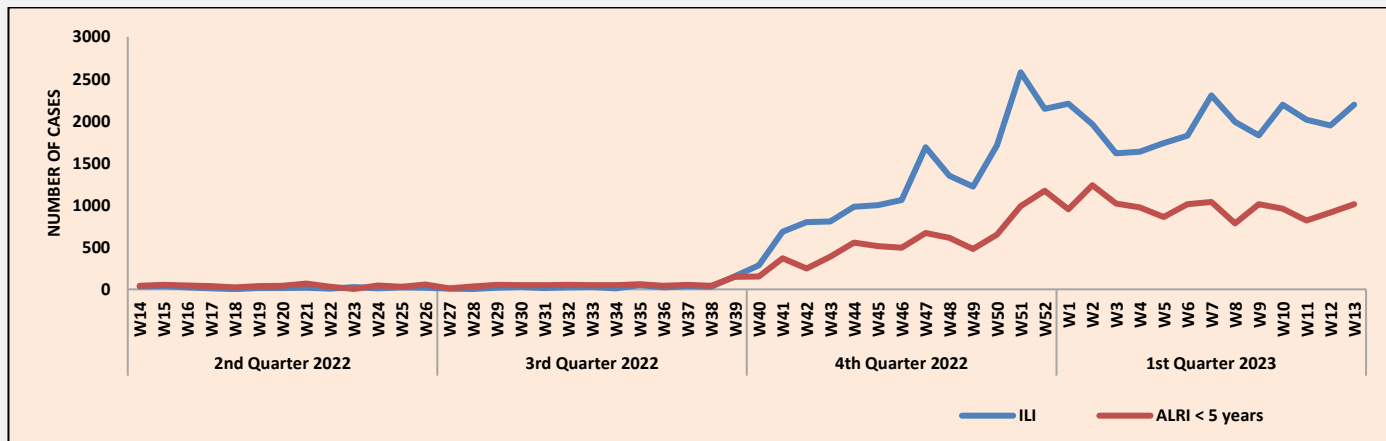
**Azad Jammu and Kashmir**

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

**Figure 9: Most frequently reported suspected cases during week 13, AJK**



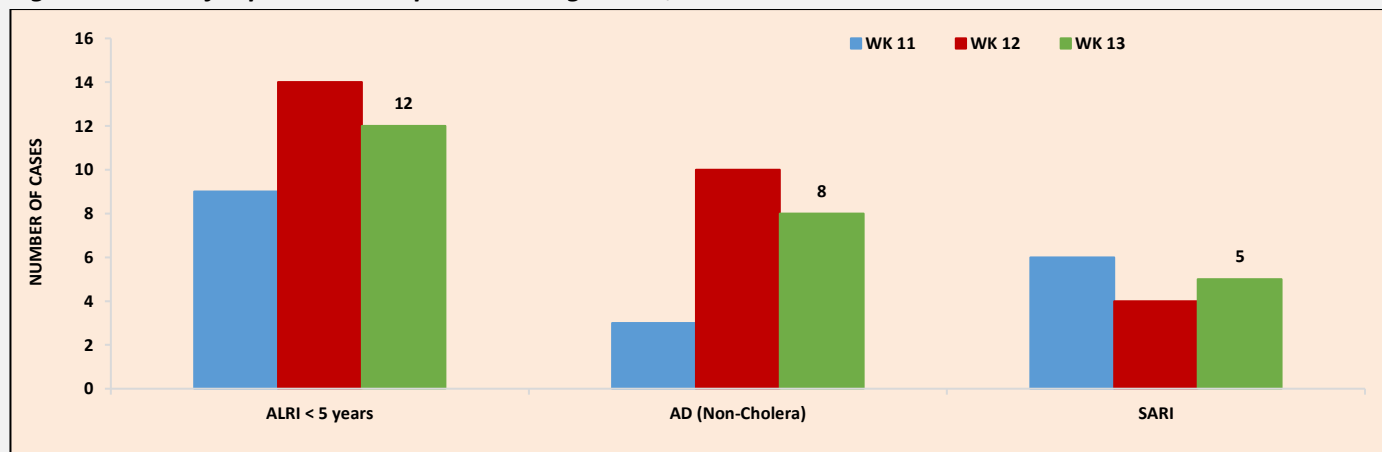
**Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK**



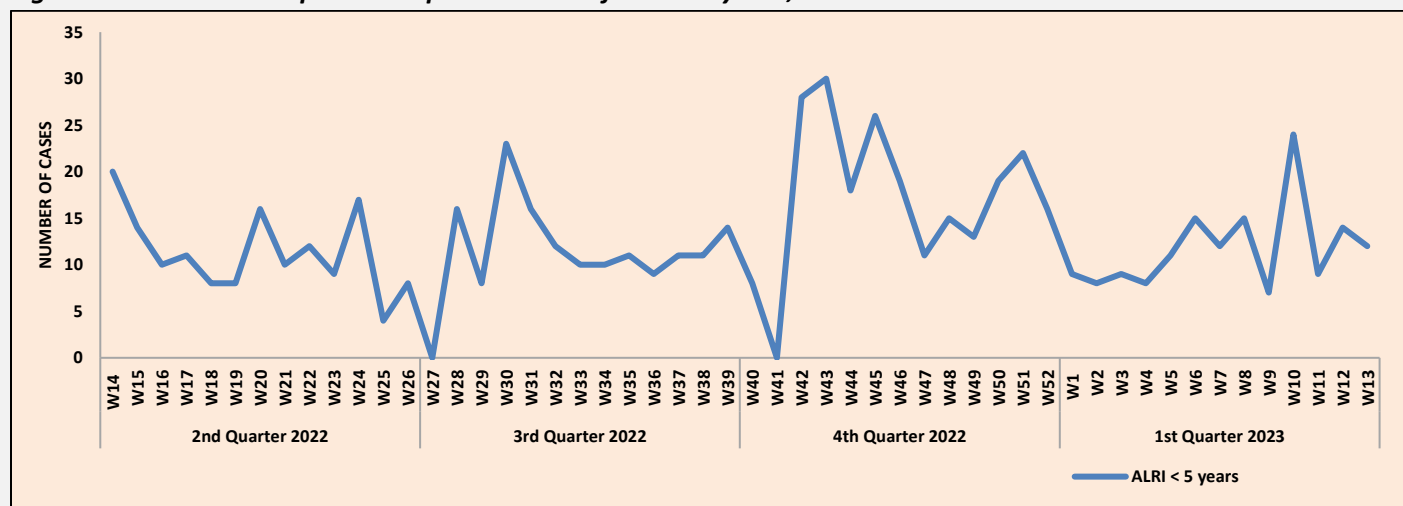
**Gilgit-Baltistan**

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

**Figure 11: Most frequent cases reported during WK 12, GB**



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



**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 5: 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	104	95%
	Bannu	92	92	86	93%
	Battagram	43	43	41	95%
	Buner	34	34	34	100%
	Charsadda	61	61	52	85%
	Chitral Upper	33	33	14	42%
	Chitral Lower	35	35	32	91%
	D.I. Khan	89	89	89	100%

	Dir Lower	75	75	73	97%
	Dir Upper	55	55	52	95%
	Hangu	22	22	22	100%
	Haripur	69	69	68	99%
	Karak	34	34	31	91%
	Khyber	40	40	11	28%
	Kohat	59	59	59	100%
	Kohistan Lower	11	11	10	91%
	Kohistan Upper	20	20	19	95%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	40	95%
	Mansehra	133	133	110	83%
	Mardan	84	84	81	96%
	Nowshera	52	52	47	90%
	Peshawar	101	101	88	87%
	Shangla	36	36	5	14%
	Swabi	60	60	57	95%
	Swat	77	77	73	95%
	Tank	34	34	33	97%
	Torghar	10	10	10	100%
<b>Azad Jammu Kashmir</b>	Mirpur	35	35	35	100%
	Bhimber	20	20	15	95%
	Kotli	60	60	58	97%
	Muzaffarabad	43	43	43	100%
	Poonch	46	46	46	93%
	Haveli	43	43	32	95%
	Bagh	41	41	37	78%
	Neelum	33	33	1	01%
	Jhelum Vellay	49	49	15	02%
	Sudhnooti	68	68	24	22%
<b>Islamabad Capital Territory</b>	ICT	18	18	18	100%
<b>Balochistan</b>	Gwadar	24	24	17	71%
	Kech	78	44	25	57%
	Khuzdar	136	20	17	85%
	Killa Abdullah	50	32	4	13%
	Lasbella	85	85	84	99%
	Pishin	118	23	12	52%
	Quetta	77	22	18	82%
	Sibi	42	42	14	33%
	Zhob	37	37	33	89%
	Jaffarabad	47	47	31	66%
	Naserabad	45	45	37	82%
	kharan	32	32	27	84%
	sherani	32	32	15	47%
	kohlu	75	75	28	37%



	Chagi	65	65	8	12%
	kalat	65	65	2	03%
	Musa khail	68	68	27	40%
<b>Gilgit Baltistan</b>	Hunza	31	31	31	100%
	Hyderabad	63	63	22	35%
	Ghotki	62	62	42	68%
	Umerkot	98	41	41	100%
	Naushahro Feroze	120	52	36	69%
	Tharparkar	292	100	96	96%
	Shikarpur	32	32	32	100%
	Thatta	53	53	47	89%
	Larkana	67	67	67	100%
	Kamber Shadadkot	70	70	63	90%
	Karachi-East	14	14	14	100%
	Karachi-West	18	18	18	100%
	Karachi-Malir	37	37	28	76%
	Karachi-Kemari	17	17	12	71%
	Karachi-Central	12	12	12	100%
	Karachi-Korangi	17	17	7	41%
	Karachi-South	4	4	4	100%
	Sujawal	31	31	19	61%
	Mirpur Khas	124	124	84	68%
	Badin	13	13	13	100%
	Sukkur	65	65	64	98%
	Dadu	71	68	68	100%
	Sanghar	101	101	80	79%
	Jacobabad	54	54	22	41%
	Khairpur	203	203	127	63%
<b>Punjab</b>	Bahawalpur	91	91	91	100%

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