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Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)

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Epi Week-16 (17th – 23rd April 2023)

All reported cases in this report are suspected cases

Highlights:

- During week 16, 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, Dog bite and AVH (A&E).
- Overall, there is a decline in cases of all reported diseases this week and may reflect reduced utilization of health facilities during Eid festival celebrated last week.
- AWD cases are reported from AJK, Balochistan and Sindh in high numbers. All are suspected cases and need field investigation to verify the cases.

Figure 1: Most frequently reported suspected cases during week 16, Pakistan

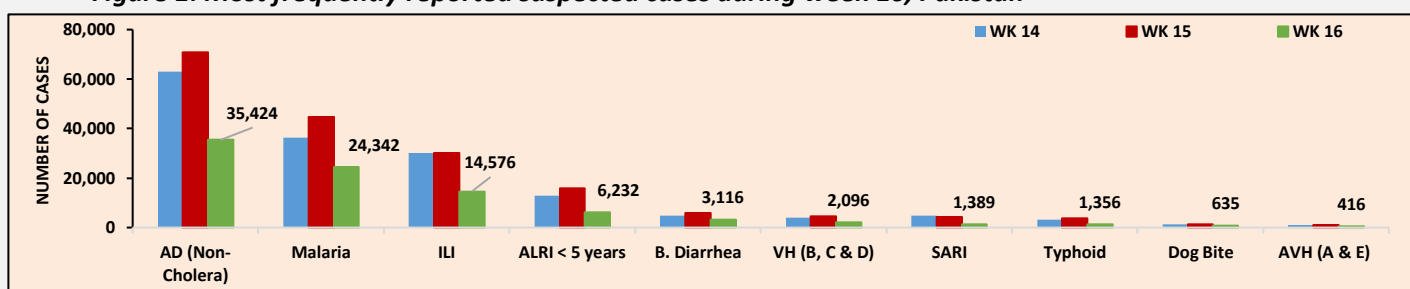


Table 1: Province/Area wise distribution of most frequently reported cases during week 16, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	511	1210	4	208	8,239	NR	25,252	35,424
Malaria	6	926	0	0	1,773	NR	21,637	24,342
ILI	916	836	0	593	2,002	NR	10,229	14,576
ALRI < 5 years	300	596	1	4	419	NR	4912	6,232
B. Diarrhea	23	643	0	2	337	NR	2111	3,116
VH (B, C & D)	12	22	0	0	13	NR	2049	2,096
SARI	231	181	0	0	680	NR	297	1,389
Typhoid	24	155	0	0	290	NR	887	1,356
Dog Bite	12	24	0	0	35	NR	564	635
AVH (A & E)	7	12	0	0	101	NR	296	416
Mumps	60	34	0	0	71	NR	248	413
CL	0	22	0	0	331	NR	3	356
AWD (S. Cholera)	106	103	0	0	10	NR	104	323
Measles	1	5	0	0	24	NR	128	158
Chickenpox/ Varicella	3	14	0	2	22	NR	90	131
Dengue	1	9	0	0	11	NR	82	103
Gonorrhea	0	35	0	0	37	NR	29	101
Pertussis	1	28	0	0	6	NR	4	39
Rubella (CRS)	2	9	0	0	8	NR	0	19
AFP	1	10	0	0	2	NR	4	17
Meningitis	1	9	0	0	0	NR	5	15
Brucellosis	0	9	0	0	3	NR	0	12
Syphilis	0	1	0	0	1	NR	7	9
Chikungunya	0	9	0	0	0	NR	0	9
Diphtheria (Probable)	0	6	0	0	0	NR	1	7
Anthrax	0	0	0	0	0	NR	0	0
NT	0	0	0	0	0	NR	1	1
Leprosy	0	0	0	0	0	NR	1	1

HIV/AIDS	0	0	0	0	0	NR	1	1
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Sindh

- AD (Non-Cholera) cases were maximum followed by Malaria, ILI, ALRI<5 Years, B. Diarrhea, VH (B, C, D), Typhoid, Dog bite, SARI and AVH (A&E).
- AD cases are mostly from Badin, Mirpurkhas, Dadu and Sujawal, whereas Malaria cases are from Larkana, Kambar and Mirpurkhas. All are suspected cases and require urgent response for timely control of the diseases.
- One hundred and twenty-eight cases of Measles are reported, 73 from Sanghar and 31 from Badin. A multisectoral approach is required for investigation and response in the affected areas.

Figure 2: Most frequently reported suspected cases during week 16, Sindh

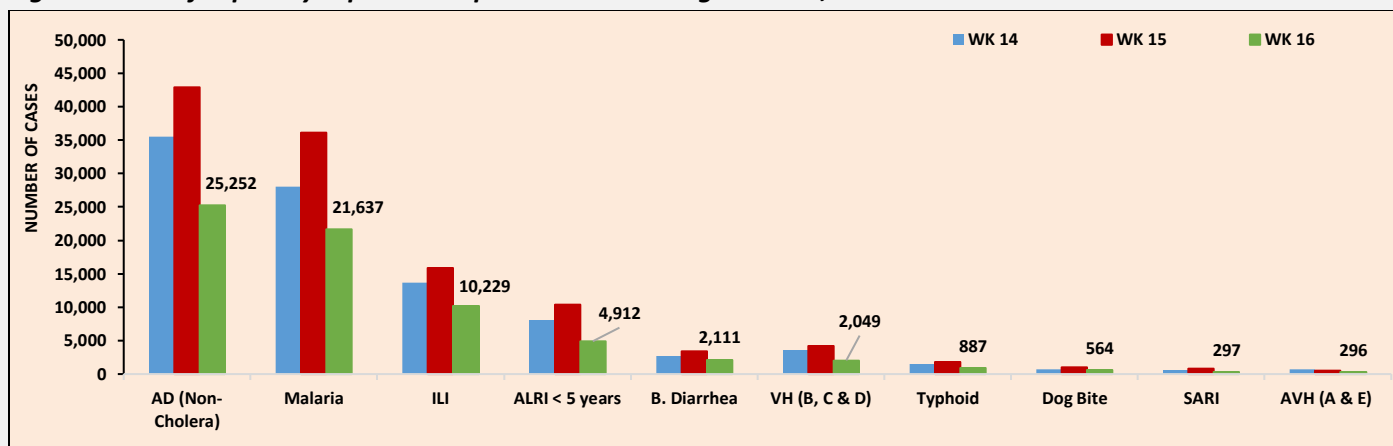


Table 2: District wise distribution of most frequently reported suspected cases during week 16, Sindh

DISTRICTS	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	1,767	1,261	64	520	96	29	1	31	94	0	118
Dadu	1,627	1,549	14	409	122	92	0	0	184	0	0
Ghotki	348	53	8	99	23	4	0	0	43	0	67
Hyderabad	552	58	111	38	0	7	0	1	28	0	0
Jacobabad	455	546	0	257	42	5	0	1	85	0	26
Jamshoro	119	85	0	14	12	14	0	0	3	0	1
Kamber	1,039	1,803	0	122	84	11	0	0	115	0	46
Karachi Central	366	31	620	12	39	53	10	3	33	1	0
Karachi East	119	29	28	10	5	3	0	0	0	3	0
Karachi Keamari	177	5	60	9	0	2	0	0	0	0	0
Karachi Korangi	168	52	23	2	5	0	0	1	0	4	1
Karachi Malir	584	88	855	45	25	12	5	1	3	30	48
Karachi South	51	7	1	0	2	0	0	0	0	0	0
Karachi West	481	37	150	59	15	18	6	5	12	17	40
Kashmore	372	827	350	120	27	10	2	0	29	0	2
Khairpur	1,233	1,037	213	363	317	114	125	0	46	0	17
Larkana	1,094	2,929	0	170	146	0	0	0	22	0	0
Matiari	1,477	526	44	134	76	85	0	0	221	10	41
Mirpurkhas	1,739	1,586	2,341	266	58	28	7	0	181	0	0
Naushero Feroze	414	487	199	94	0	75	0	0	93	0	0
Sanghar	852	523	207	311	163	50	65	73	171	0	19
Shaheed Benazirabad	1,503	835	41	346	31	100	0	0	48	0	0
Shikarpur	836	258	2	118	76	4	0	5	78	0	0
Sujawal	1,517	1,438	0	74	61	15	0	5	1	0	0
Sukkur	1,088	709	1,683	219	160	7	0	0	238	0	0
Tando Allahyar	1,195	576	609	168	101	25	2	0	77	0	16

Tando Muhammad Khan	990	548	0	164	49	26	4	0	133	0	34
Tharparkar	992	1,175	1,269	316	79	18	64	1	23	17	4
Thatta	1,294	1,034	1,337	57	83	17	6	1	23	0	84
Umerkot	803	1,545	0	396	214	63	0	0	65	0	0
Total	25,252	21,637	10,229	4,912	2,111	887	297	128	2,049	82	564

Balochistan

- AD (Non-Cholera), Malaria, ILI, B. Diarrhea, ALRI <5 years, SARI, Typhoid, AWD (S. Cholera), Gonorrhoea and Mumps were the most frequently reported diseases from Balochistan province.
- Cases of ILI, AD and Malaria showed a declining trend this week.
- Two hundred and ninety cases of B. Diarrhea reported from Harnai which need field investigation to verify the cases.

Figure 3: Most frequently reported suspected cases during week 16, Balochistan

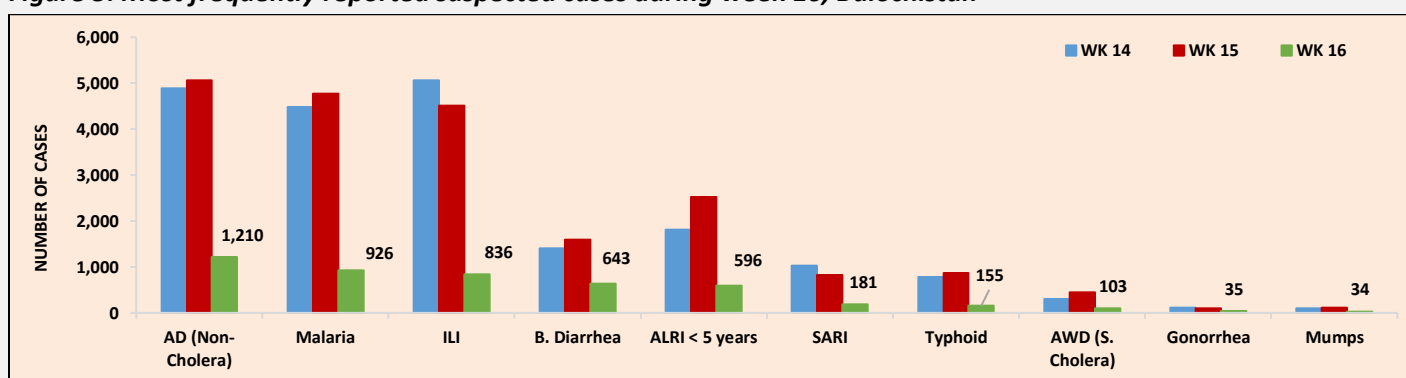
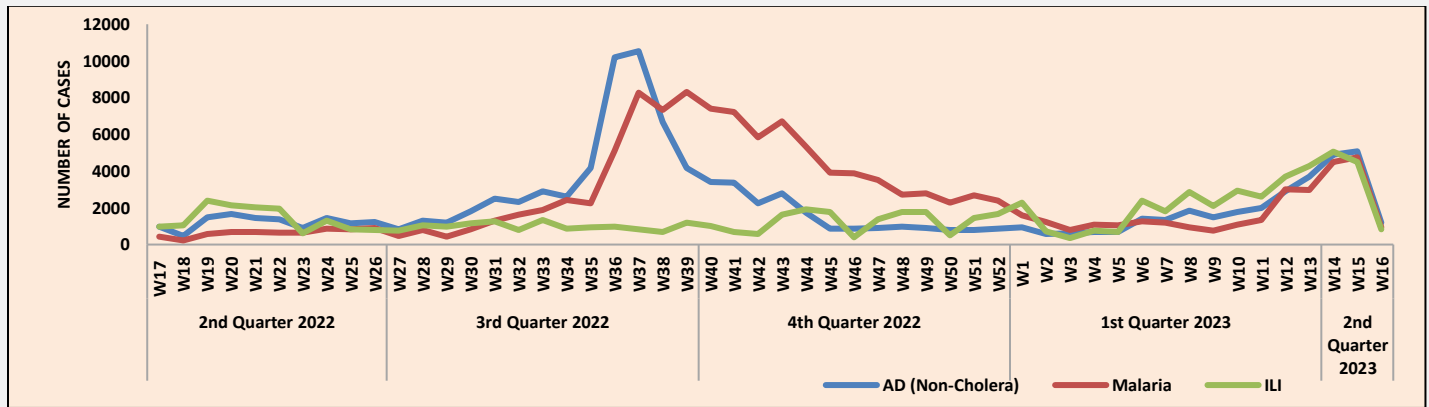


Table 3: District wise distribution of most frequently reported suspected cases during week 16, Balochistan

Districts	ILI	Malaria	AD (Non-Cholera)	ALRI < 5 years	SARI	B. Diarrhea	Typhoid	CL	Dog Bite	AWD (S. Cholera)
Chagai	117	3	118	2	0	43	24	0	0	2
Harnai	0	32	67	241	5	290	6	0	3	8
Jhal Magsi	0	75	46	0	0	5	2	0	0	4
Kharan	88	28	62	0	0	41	0	0	0	0
Khuzdar	47	2	47	3	NR	17	NR	NR	NR	NR
Kohlu	75	28	35	9	16	41	17	1	9	1
Lasbella	69	315	241	67	61	30	12	7	1	1
Mastung	2	0	4	0	0	0	2	0	0	2
Musa Khail	16	34	21	12	1	5	4	0	0	8
Naseerabad	0	58	14	0	0	2	0	0	0	5
Nushki	0	24	47	0	1	17	0	0	0	18
Quetta	261	3	154	35	11	45	14	2	0	17
Sherani	82	9	67	68	42	19	0	11	3	30
Sohbat pur	11	269	178	49	27	47	49	1	8	6
SURAB	44	33	16	6	6	10	17	0	0	1
Zhob	24	13	93	104	11	31	8	0	0	0
Total	836	926	1,210	596	181	643	155	22	24	103

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, B. Diarrhea, CL, Typhoid, AVH (A&E) and Mumps cases.
- Cases of AD (Non-Cholera) mostly reported from Swat and Nowshera. Sixty-four cases of Mumps reported Lower Dir. All are suspected cases and need verification.
- Malaria, ILI and AD showed downward trend in cases this week.

Figure 5: Most frequently reported suspected cases during week 16, KP

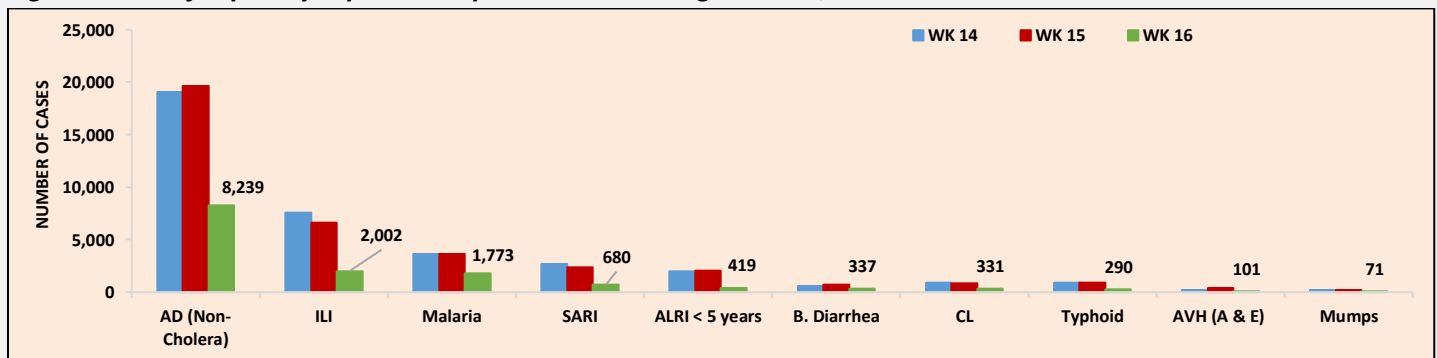
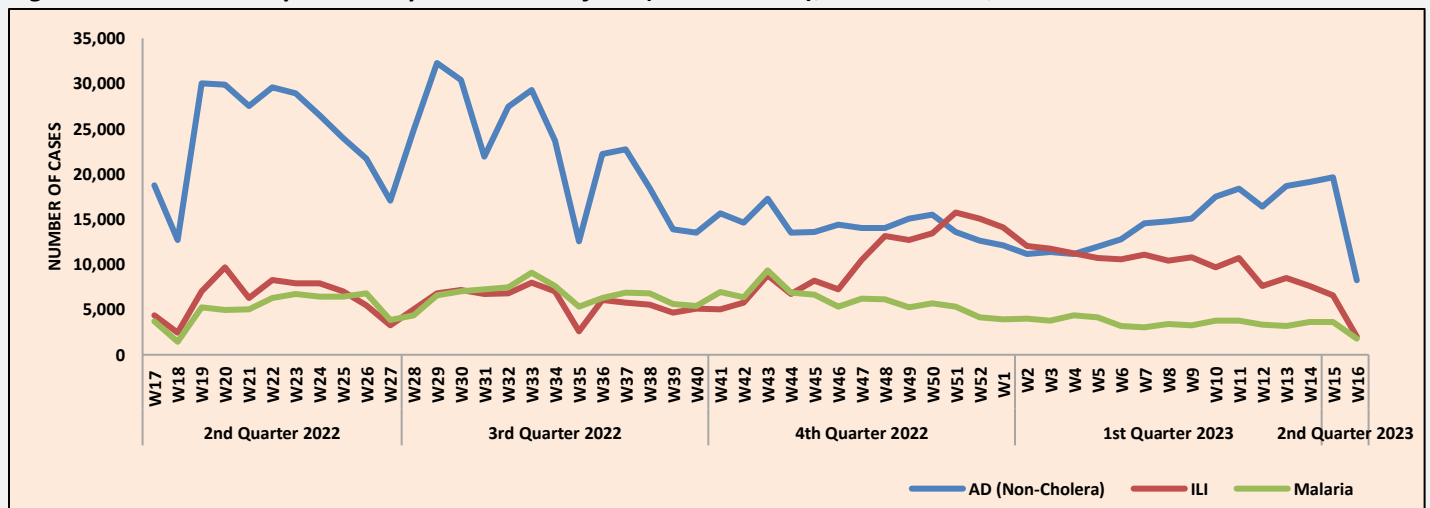


Table 4: District wise distribution of most frequently reported suspected cases during week 16, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	338	0	4	5	1	0	8	1	0	0
Bannu	217	278	80	8	1	4	9	0	0	0
Battagram	134	36	271	0	5	0	0	1	0	0
Buner	94	229	24	0	5	2	11	0	0	0
Charsadda	953	13	266	33	2	0	0	0	0	0
Chitral Lower	155	0	52	242	0	0	5	0	0	0
D.I. Khan	326	150	0	0	0	0	0	0	0	0
Dir Lower	741	287	153	90	205	97	28	15	0	64
Dir Upper	150	1	33	7	21	16	12	0	0	8
Hangu	13	4	0	0	0	3	0	1	1	0
Haripur	452	2	123	1	84	0	1	0	0	0
Karak	100	14	68	2	12	0	0	1	0	0
Khyber	5	0	0	2	0	4	4	0	0	0
Kohat	35	10	16	4	0	0	0	0	0	0
Kohistan Lower	40	0	0	48	2	16	0	0	10	0
Kohistan Upper	78	0	16	20	5	6	57	0	1	0
Kolai Palas	40	4	0	3	1	10	0	0	6	1

Lakki Marwat	364	503	0	0	25	17	19	0	0	0
Malakand	31	0	0	0	0	3	0		0	3
Mansehra	170	3	237	9	17	18	28	0	2	8
Mardan	17	13	31	0	0	0	0	0	0	0
Nowshera	1,045	30	87	5	1	22	11	0	0	2
Peshawar	888	6	398	121	7	55	18	2	5	2
Shangla	73	93	0	0	4	1	21	7	14	5
Swabi	72	2	22	21	0	0	0	0	0	0
Swat	1,354	12	70	0	7	13	28	6	1	7
Tank	241	42	51	0	0	18	3	0	0	0
Tor Ghar	113	41	0	59	14	32	27	1	0	1
Total	8,239	1,773	2,002	680	419	337	290	35	40	101

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), ALRI <5 years, B. Diarrhea and Chickenpox.
- ILI cases showed downward trend in cases this week.

Figure 7: Most frequently reported suspected cases during week 16, ICT

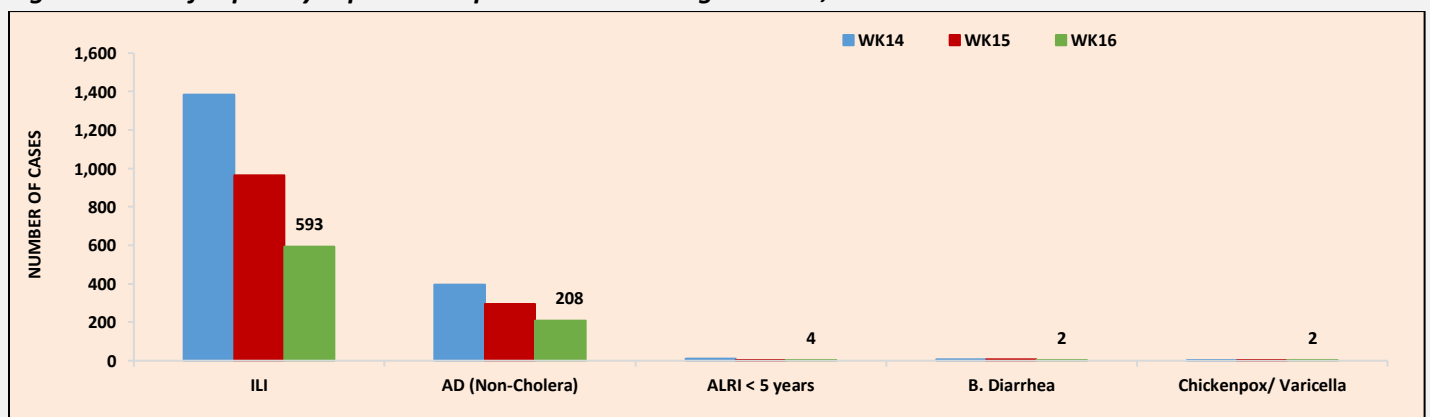
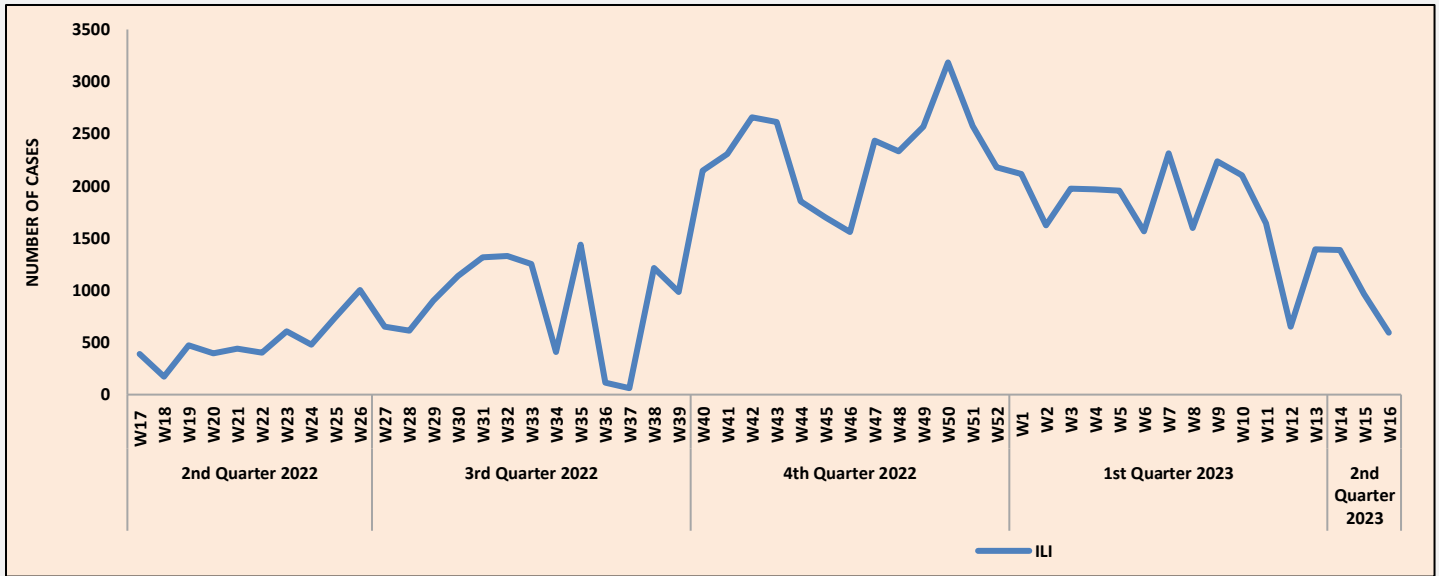


Figure 8: Week wise reported suspected cases of ILI, ICT



Azad Jammu and Kashmir

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

Figure 9: Most frequently reported suspected cases during week 16, AJK

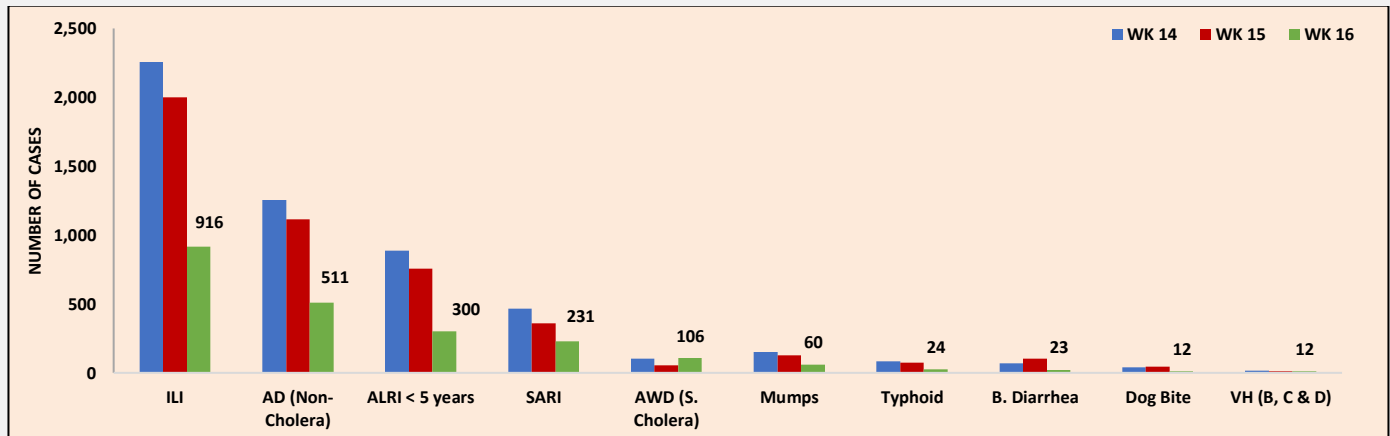
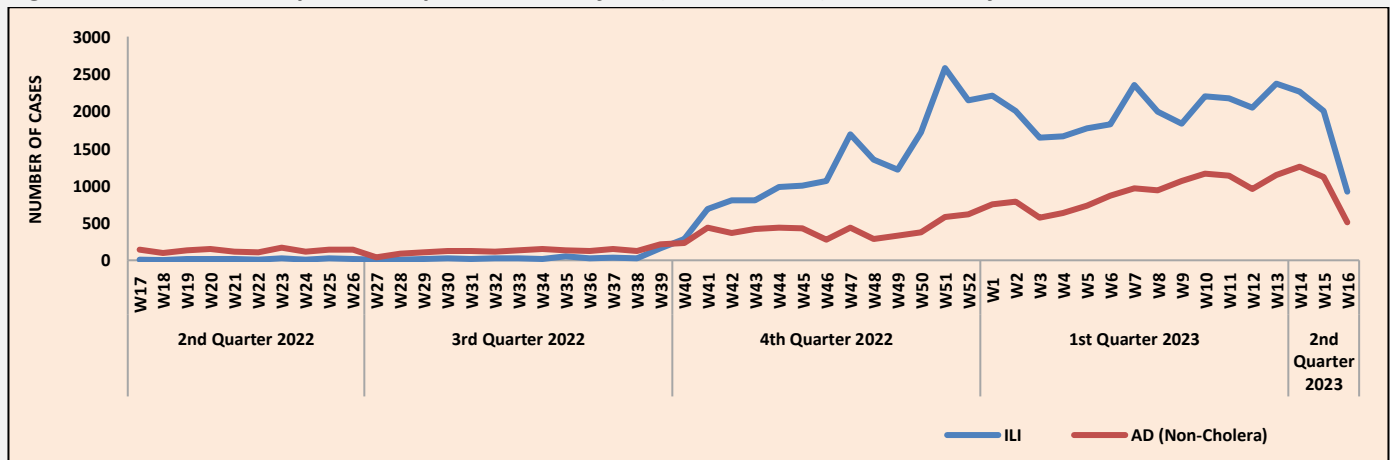


Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK



Gilgit-Baltistan

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

Figure 11: Most frequent cases reported during WK 15, GB

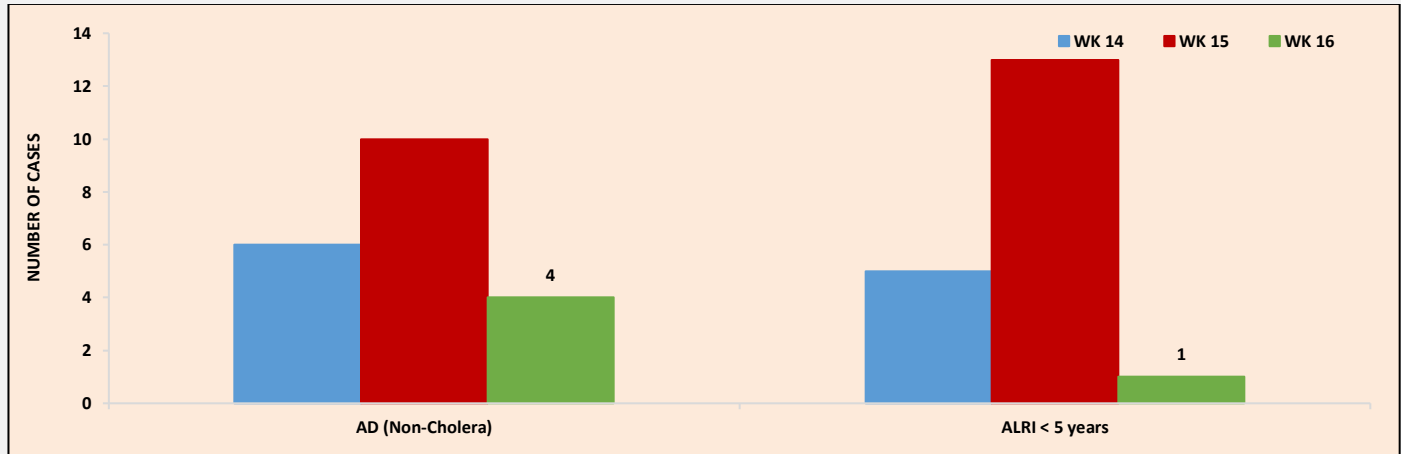
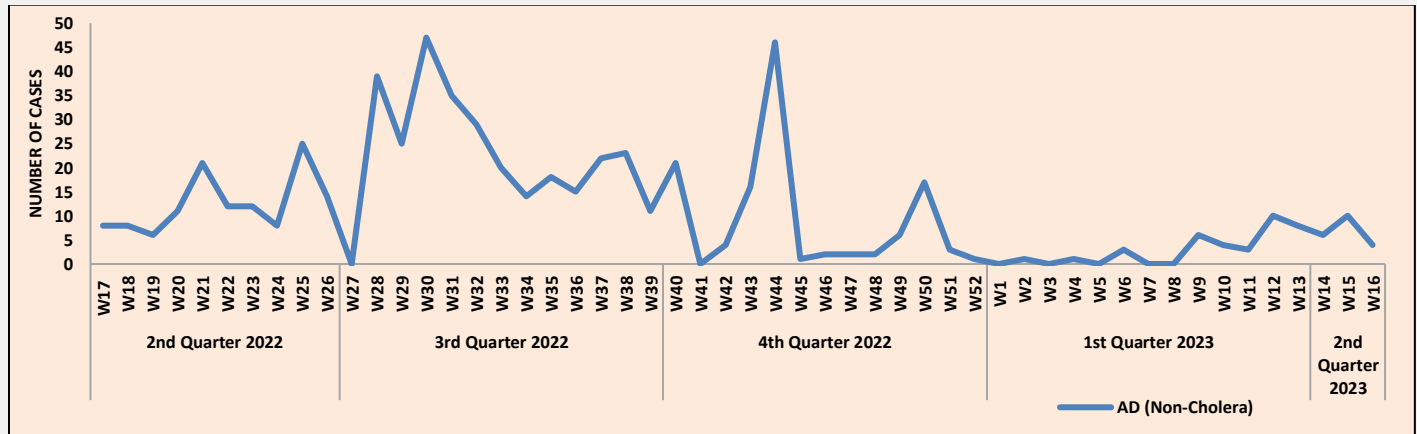


Figure 12: Week wise reported suspected cases of ALRI < 5 years, GB



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	101	92%
	Bannu	92	92	69	75%
	Battagram	43	43	28	65%
	Buner	34	34	18	53%
	Charsadda	61	61	37	61%
	Chitral Lower	35	35	32	91%
	D.I. Khan	89	89	4	4%
	Dir Lower	75	75	71	95%

	Dir Upper	55	55	7	13%
	Hangu	22	22	5	23%
	Haripur	69	69	65	94%
	Karak	34	34	31	91%
	Khyber	40	40	2	5%
	Kohat	59	59	41	69%
	Kohistan Lower	11	11	10	91%
	Kolai Palas	10	10	10	100%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	2	5%
	Mansehra	133	133	33	25%
	Mardan	84	84	1	1%
	Nowshera	52	52	39	75%
	Peshawar	101	101	81	80%
	Shangla	36	36	4	11%
	Swabi	60	60	5	8%
	Swat	77	77	65	84%
	Tank	34	34	33	97%
	Torghar	10	10	10	100%
Azad Jammu Kashmir	Mirpur	35	35	33	100%
	Bhimber	20	20	10	50%
	Kotli	60	60	9	15%
	Muzaffarabad	43	43	43	100%
	Poonch	46	46	33	72%
	Bagh	41	41	17	41%
	Neelum	33	33	2	6%
	Sudhnooti	68	68	26	38%
	Khuzdar	136	20	8	40%
	Lasbella	85	85	60	71%
	Quetta	77	22	11	50%
	Zhob	37	37	16	43%
	Naserabad	45	45	4	9%
	kharan	32	32	23	72%
	sherani	32	32	11	34%
	kohlu	75	75	13	17%
	Chagi	65	65	18	28%
	Harnai	36	36	16	44%
	Jhal Magsi	39	39	5	13%
	Sohbat pur	26	26	16	62%
Mastung	45	45	1	2%	
Gilgit Baltistan	Hunza	31	31	12	39%
Sindh	Hyderabad	63	63	23	37%
	Ghotki	95	95	13	14%
	Umerkot	98	41	34	83%
	Naushahro Feroze	120	52	12	23%
	Tharparkar	292	100	87	87%
	Shikarpur	64	64	60	94%
	Thatta	53	53	33	62%
	Larkana	67	67	67	100%

Kamber Shadadkot	71	71	71	100%
Karachi-Malir	37	37	14	38%
Karachi-Kemari	17	17	0	0%
Karachi-Central	12	12	11	92%
Karachi-Korangi	17	17	9	53%
Karachi-South	4	4	4	100%
Sujawal	31	31	31	100%
Mirpur Khas	124	124	103	83%
Badin	144	144	97	67%
Sukkur	65	65	63	97%
Dadu	90	90	87	97%
Sanghar	101	101	64	63%
Jacobabad	54	54	29	54%
Khairpur	203	203	137	67%
kashmore	59	59	48	81%
Matari	42	42	40	95%
Jamshoro	70	70	15	21%
Tando Allahyar	54	54	40	74%
