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Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)

20th March 2023

Epi Week-10 (06 - 12th March 2023)

All reported cases in this report are suspected cases

Highlights:

- During week 10, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by Malaria, ILI, ALRI <5 years, SARI, B. Diarrhea, VH (B, C, D), Typhoid, CL and dog bite.
- Overall increase in cases observed for AD (Non-Cholera), SARI and VH (B, C, D).
- Burden of AD cases is reported mostly from Sindh, Punjab and KPK whereas VH (B, C, D) cases reported from Sindh. All are suspected cases and need verification.

Figure 1: Most frequently reported suspected cases during week 10, Pakistan

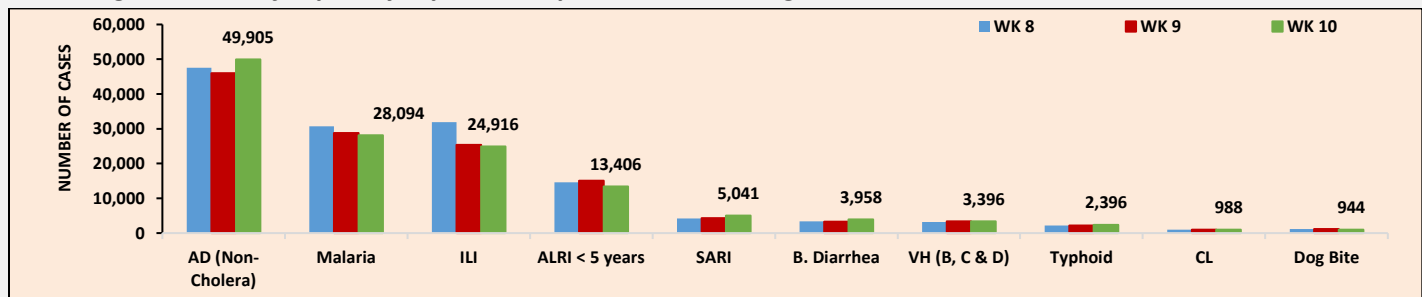


Table 1: Province/Area wise distribution of most frequently reported cases during week 10, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
ILI	1,746	1,892	0	2,069	9,384	105	9,720	24,916
AD (Non-Cholera)	956	1,461	4	431	17,042	1,838	28,173	49,905
Malaria	50	912	0	0	3,605	NR	23,527	28,094
B. Diarrhea	69	394	0	2	951	NR	2,542	3,958
Typhoid	22	177	0	3	896	NR	1,298	2,396
SARI	338	410	4	0	2632	NR	1,657	5,041
ALRI < 5 years	845	877	24	2	2039	NR	9,619	13,406
CL	0	127	0	0	855	NR	6	988
AWD (S. Cholera)	44	85	0	5	10	NR	123	267
Measles	2	19	0	1	212	NR	20	254
Dog Bite	18	33	0	0	208	NR	685	944
Dengue	0	2	0	0	4	NR	62	68
VH (B, C & D)	14	29	0	0	99	NR	3,254	3,396
Gonorrhoea	3	33	0	0	10	NR	25	71
Pertussis	3	8	0	0	38	NR	8	57
VL	0	2	0	0	0	NR	0	2
NT	1	0	0	0	11	NR	0	12
Mumps	91	19	0	17	217	NR	343	687
AFP	0	0	0	0	15	NR	5	20
Chickenpox/ Varicella	3	5	0	1	115	NR	8	132
AVH (A & E)	16	3	0	0	214	NR	62	295
Meningitis	0	3	0	0	8	NR	5	16
Syphilis	0	0	0	0	1	NR	7	8
Leprosy	0	0	0	0	0	NR	0	0
Diphtheria (Probable)	1	3	0	0	0	NR	8	12
Chikungunya	0	0	0	0	0	NR	0	0
Anthrax	0	0	0	0	0	NR	0	0
Brucellosis	0	0	0	0	30	NR	0	30
CCHF	17	0	0	0	0	NR	0	17
Rubella (CRS)	2	0	0	0	0	NR	3	5
HIV/AIDS	0	0	0	0	0	NR	4	4

Sindh

- AD (Non-Cholera) cases were maximum followed by Malaria, ILI, ALRI<5 Years, VH (B, C, D), B. Diarrhea, SARI, Typhoid, dog bite and Mumps cases.
- An increased trend in cases observed for AD, ILI, SARI, Typhoid and dog bite.
- Malaria cases are mostly from Larkana, Dadu and Jacobabad whereas AD cases are from Sanghar, Dadu and Badin.

Figure 2: Most frequently reported suspected cases during week 10, Sindh

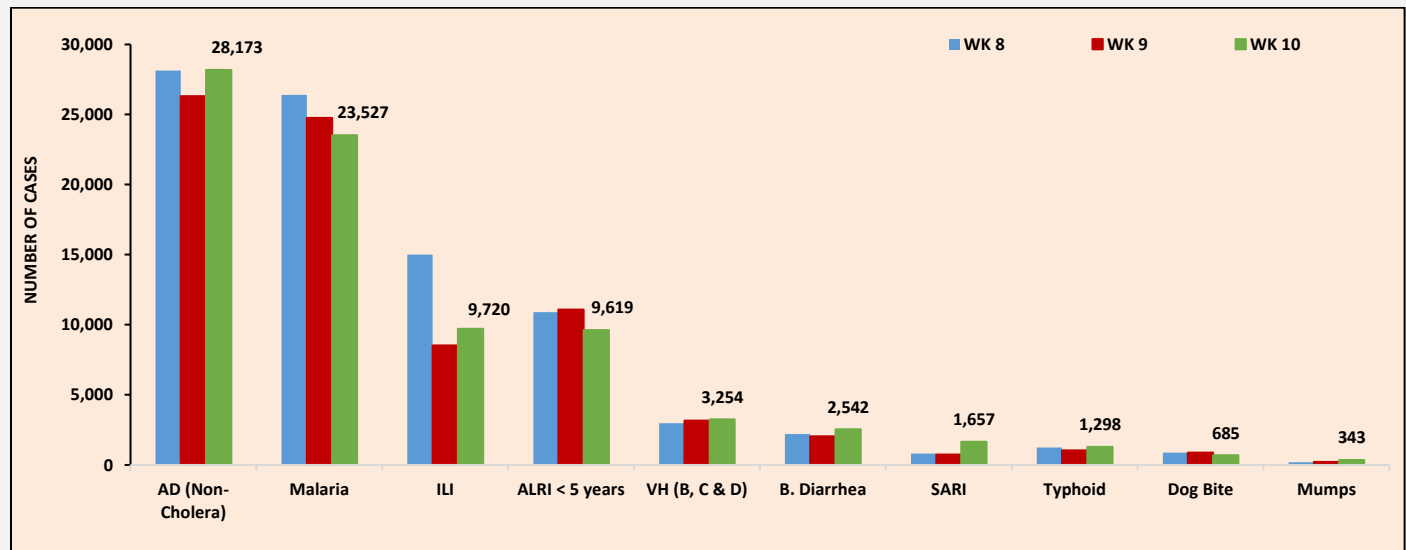


Table 2: District wise distribution of most frequently reported suspected cases during week 10, Sindh

Districts	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	2,340	1,437	193	784	221	67	526	7	86	0	119
Dadu	2,710	2,245	636	1,155	226	211	33	0	414	0	1
Ghotki	433	257	0	249	46	25	0	0	222	0	43
Hyderabad	1,064	32	647	83	4	1	2	3	40	0	0
Jacobabad	1,593	2,123	58	922	72	67	806	2	183	0	86
Jamshoro	64	108	0	7	3	6	0	1	10	0	0
Kamber	516	1,138	12	131	37	1	0	0	62	0	0
Karachi Central	198	26	388	0	1	20	0	0	10	0	0
Karachi East	232	77	36	2	5	1	0	2	0	6	0
Karachi Keamari	393	0	30	6	16	7	0	0	0	2	0
Karachi Korangi	276	106	193	7	7	12	5	1	0	16	4
Karachi Malir	1,315	132	1,687	375	0	44	5	0	14	22	58
Karachi South	72	0	0	0	0	1	0	0	0	0	0
Karachi West	94	0	114	0	0	0	0	0	0	0	0
Kashmore	503	1,414	250	244	142	17	0	3	64	0	0
Khairpur	434	499	264	395	23	70	115	0	109	0	17
Larkana	1,590	5,533	0	296	204	9	0	0	439	0	0
Matari	2,109	815	94	343	195	131	51	0	417	5	32
Mirpurkhas	1,068	11	0	206	12	0	0	0	10	0	0
Naushero Feroze	1,011	656	305	511	199	117	24	0	35	0	0
Sanghar	2,993	1,699	286	1,391	199	166	38	0	512	0	168
Shaheed Benazirabad	2,019	1,367	159	705	132	212	7	0	123	0	0
Shikarpur	675	253	6	252	110	7	32	0	58	0	140
Sujawal	124	190	0	86	23	0	0	0	1	0	0
Sukkur	1,695	777	1,791	393	235	16	0	0	288	0	0
Tando Muhammad Khan	259	140	0	28	17	1	0	0	9	0	17
Tharparkar	1,538	1,157	2,571	830	118	46	13	1	52	11	0
Umerkot	855	1,335	0	218	295	43	0	0	96	0	0
Total	28,173	23,527	9,720	9,619	2,542	1,298	1,657	20	3,254	62	685

Balochistan

- ILI, AD (Non-Cholera), Malaria, ALRI <5 years, SARI, B. Diarrhea, Typhoid, CL, AWD (S. Cholera) and dog bite were the most frequently reported diseases from Balochistan province.
- All disease cases increase this week except ILI and SARI.
- One fifty-nine cases of Pertussis from Pishin & Zhob and 19 cases of Mumps reported this week, which need urgent field investigation.

Figure 3: Most frequently reported suspected cases during week 10, Balochistan

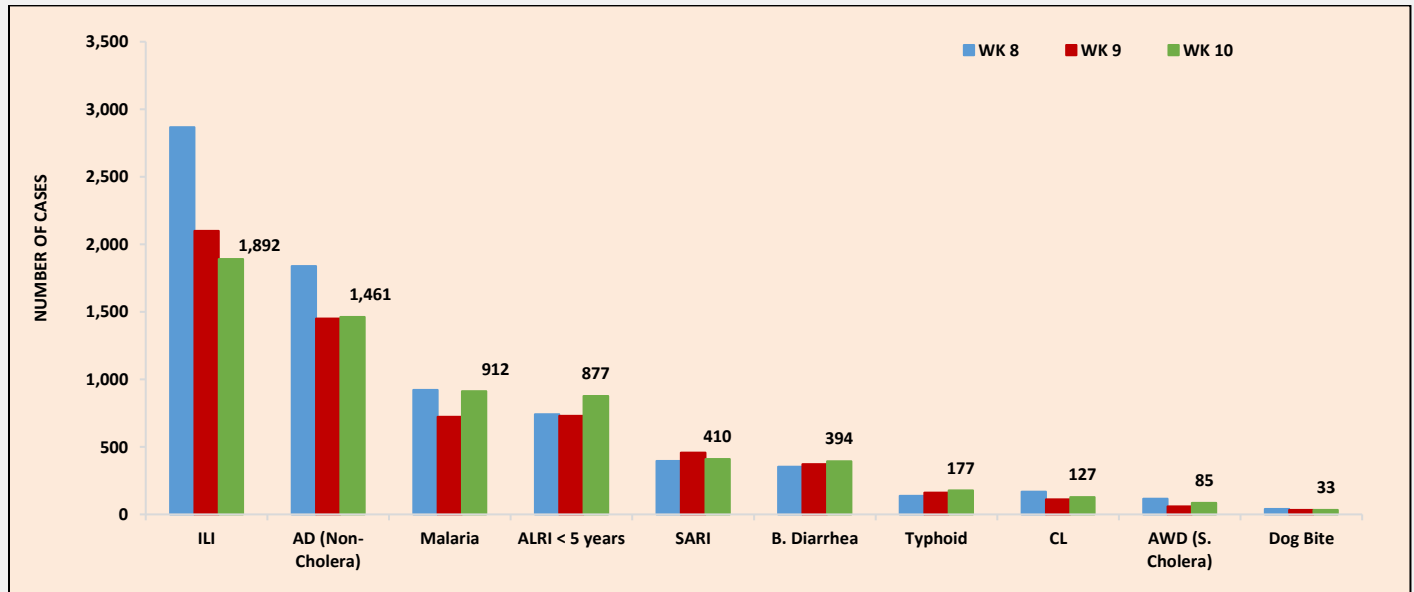
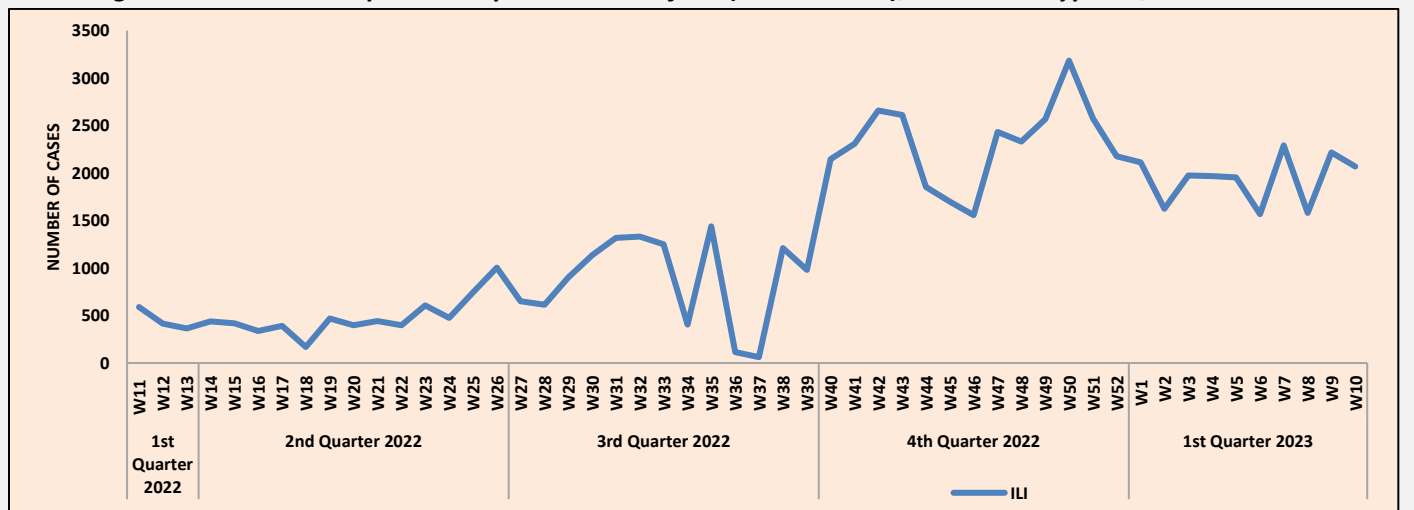


Table 3: District wise distribution of most frequently reported suspected cases during week 10, Balochistan

Districts	Malaria	ILI	AD (Non-Cholera)	SARI	Typhoid	ALRI <5 years	B. Diarrhea	AWD (S. Cholera)	Mumps
Kech (Turbat)	182	824	364	23	3	141	123	14	6
Khuzdar	28	158	85	3	15	19	32	0	0
Killa Abdullah	0	10	10	12	7	3	8	5	1
Lasbella	497	84	578	164	48	179	87	1	6
Naseerabad	93	0	36	0	44	25	0	0	0
Quetta	11	685	205	104	43	153	75	57	3
Sibi	63	45	49	14	10	16	23	8	3
Zhob	38	86	134	90	7	341	46	0	0
Total	912	1,892	1,461	410	177	877	394	85	19

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, Typhoid, CL, Mumps and AVH (A & E) cases.
- Except for AD (Non-Cholera), Malaria and B. diarrhea, all other diseases decrease this week.
- Cases of Malaria mostly reported from Bannu, Lakki Marwat and Lower Dir. Dog bite cases are also increased mainly from Lower Dir and Swat.
- ILI, SARI and ALRI <5 years showed downward trend this week.

Figure 5: Most frequently reported suspected cases during week 10, KP

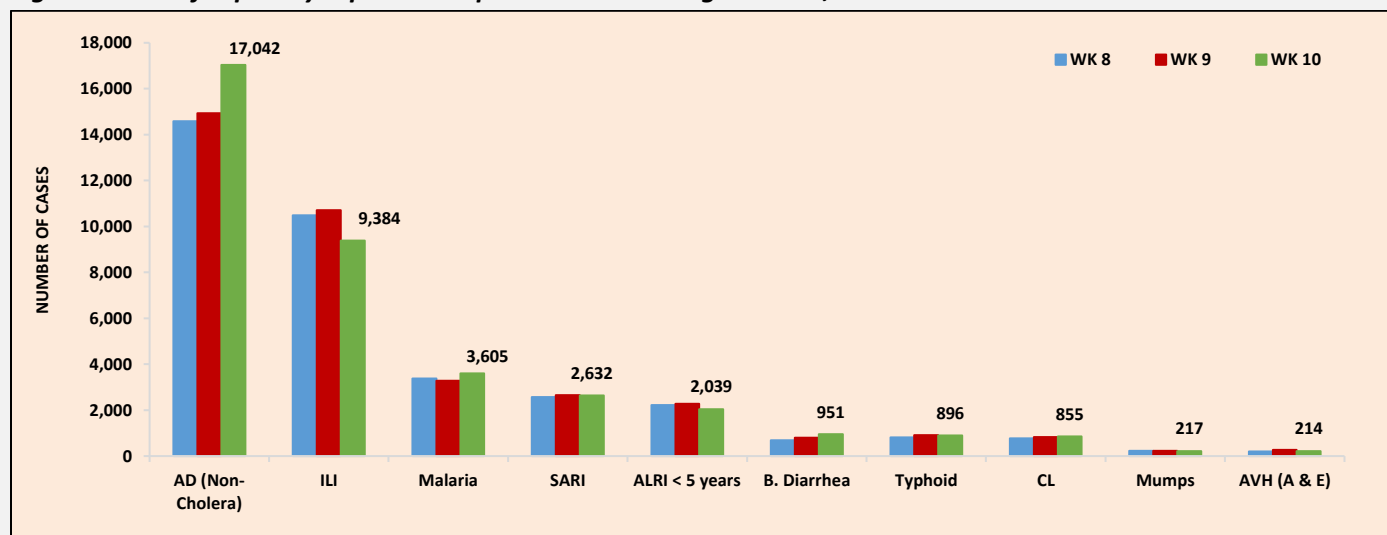
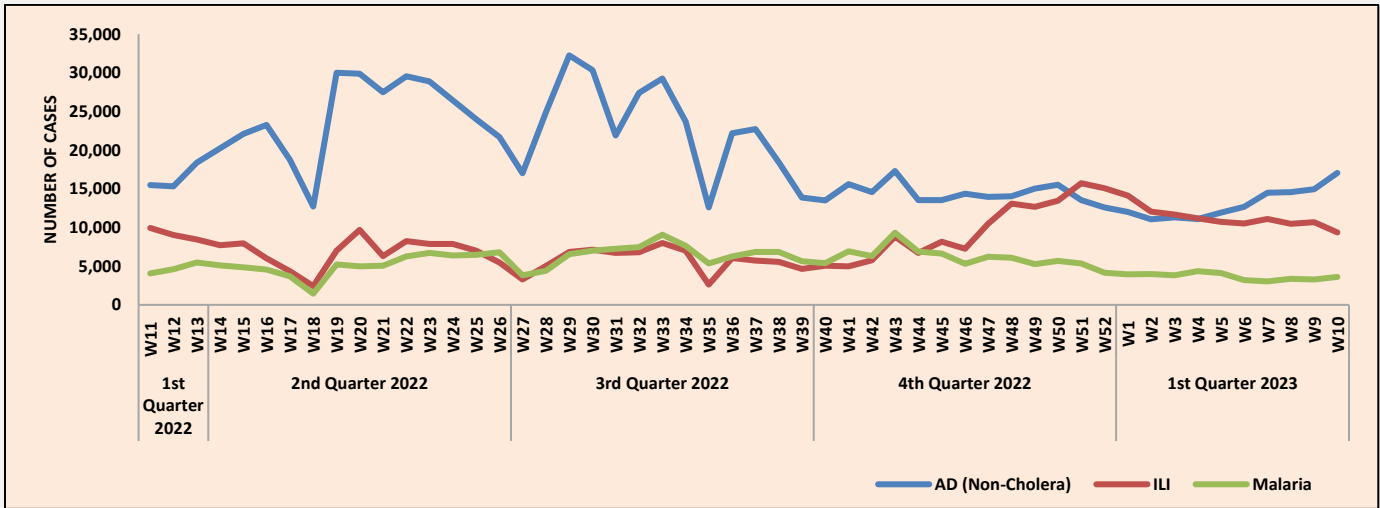


Table 4: District wise distribution of most frequently reported suspected cases during week 10, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	418	0	13	13	5	0	7	1	0	0
Bannu	553	840	346	1	3	12	50	3	0	0
Battagram	448	9	921	2	55	0	1	6	0	2
Buner	314	218	0	0	15	4	26	13	0	0
Charsadda	1,474	9	206	74	13	0	4	0	0	0
Chitral Lower	346	3	168	901	2	11	2	2	0	1
Chitral Upper	56	0	1	178	2	7	9	0	0	1
D.I. Khan	1,110	259	2	0	21	10	5	3	0	0
Dir Lower	1,092	468	1,241	258	368	179	73	54	0	90
Dir Upper	437	1	179	18	230	52	7	0	1	6
Hangu	233	344	455	480	24	61	18	0	0	7
Haripur	872	5	534	60	251	5	32	0	0	34
Karak	367	68	262	45	24	9	10	21	0	0
Khyber	4	0	31	3	0	15	4	0	4	0
Kohat	62	13	35	0	1	0	2	4	0	0
Kohistan Lower	49	0	0	103	0	2	0	0	0	0
Kohistan Upper	285	1	88	73	36	29	75	0	4	0
Kolai Palas	7	6	0	0	0	2	0	0	0	0
Lakki Marwat	491	677	0	15	45	38	27	0	0	0
Malakand	76	25	192	88	81	74	47	0	0	9
Mansehra	490	0	1,035	79	71	27	182	7	0	2
Mardan	44	42	195	0	0	8	0	0	0	0
Nowshera	1,593	174	174	58	13	20	10	1	0	12
Peshawar	1,882	38	1,599	65	113	247	68	13	0	6
Shangla	107	27	0	12	9	0	29	21	0	4
Swabi	1,057	25	829	65	173	8	32	0	0	23
Swat	2,328	28	483	0	363	75	99	50	0	16
Tank	772	303	395	0	89	38	68	1	0	0
Tor Ghar	75	22	0	41	32	18	9	8	1	1

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) and Mumps
- ILI cases remained same trend this week

Figure 7: Most frequently reported suspected cases during week 10, ICT

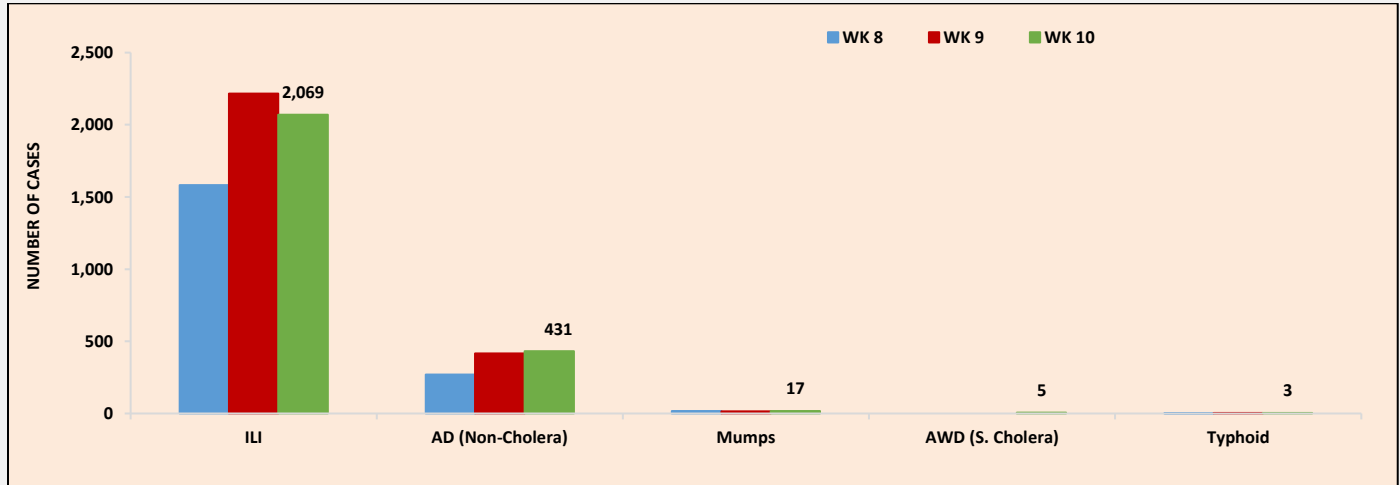
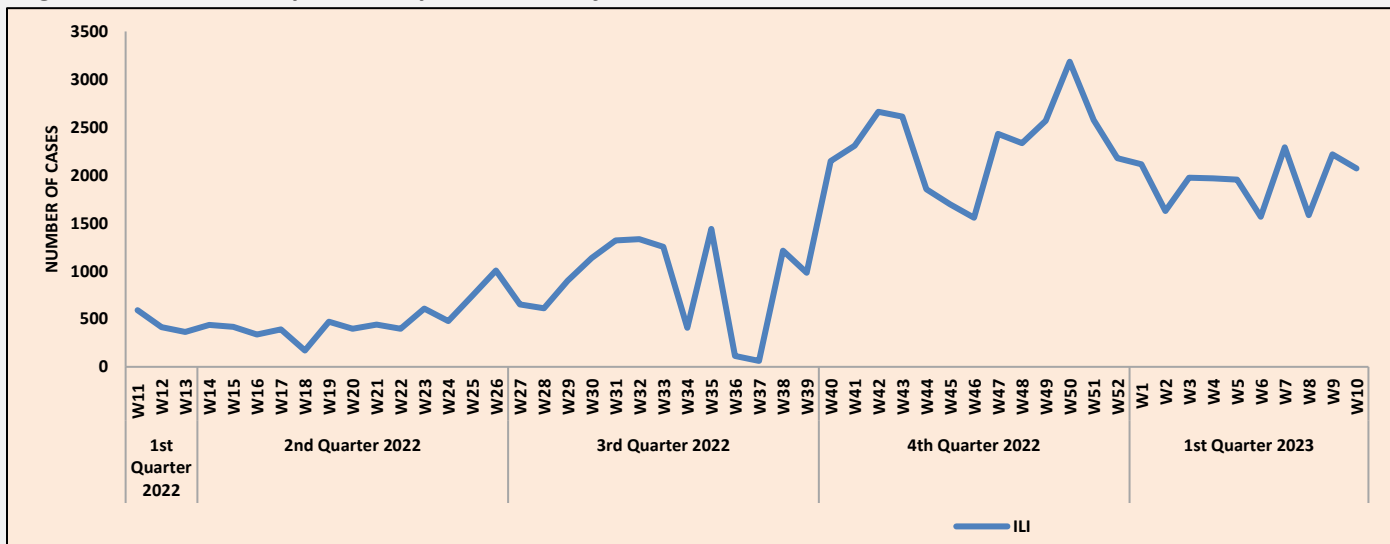


Figure 8: Week wise reported suspected cases of ILI, ICT



Azad Jammu and Kashmir

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

Figure 9: Most frequently reported suspected cases during week 10, AJK

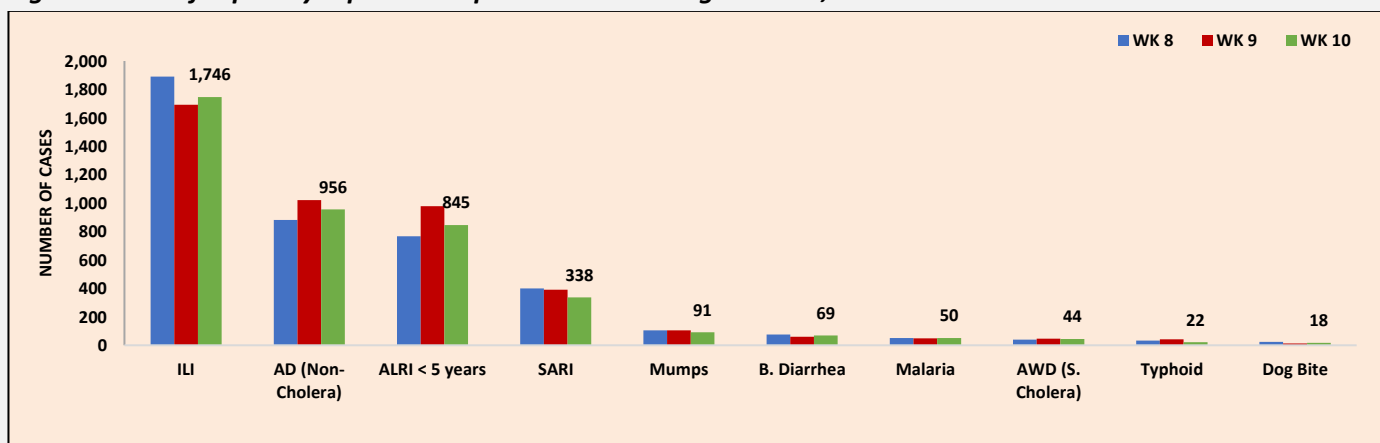
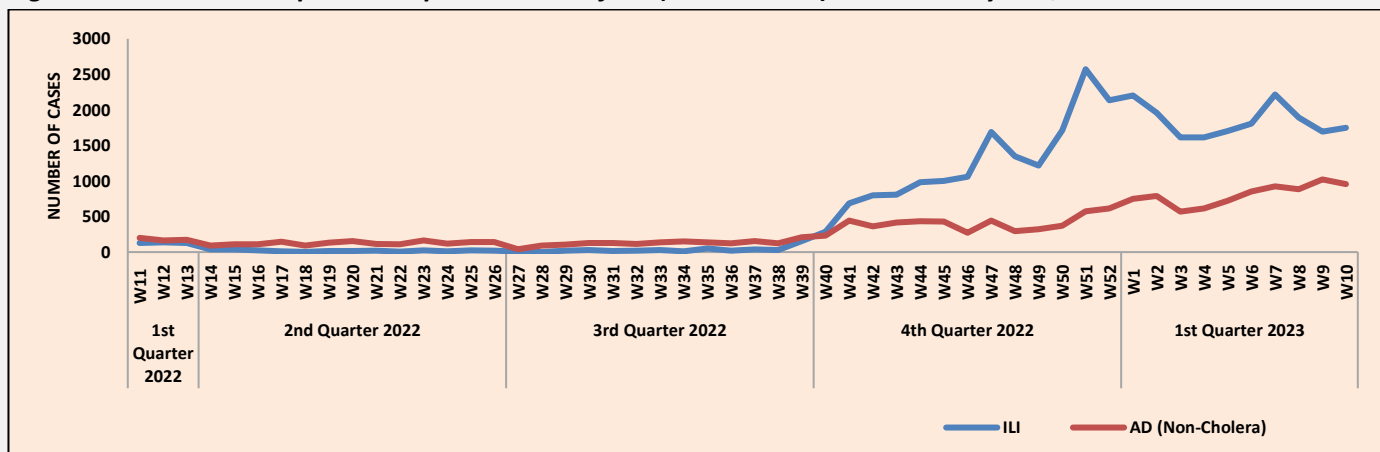


Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK



Gilgit-Baltistan

- ALRI<5 years cases were maximum followed by AD (Non-Cholera) and SARI.

- SARI cases showed decline trend in cases this week

Figure 13: Most frequent cases reported during WK 05, GB

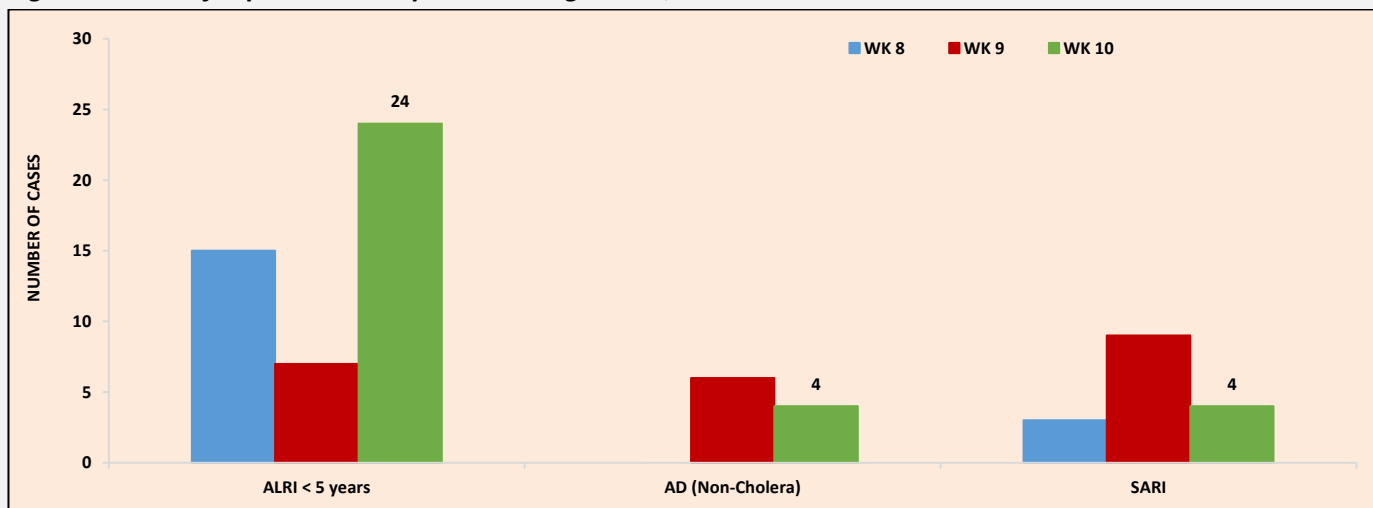
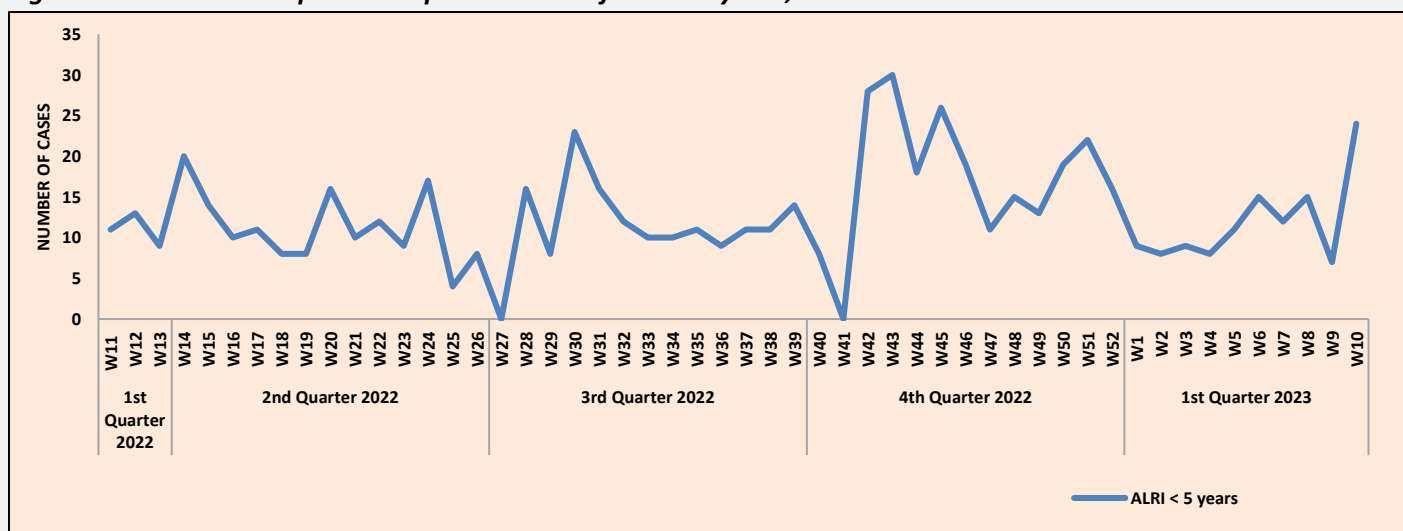


Figure 14: Week wise reported suspected cases of ALRI < 5 years, GB



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	105	98%
	Bannu	92	92	90	88%
	Battagram	43	43	42	88%
	Buner	34	34	34	100%
	Charsadda	61	61	55	89%
	Chitral	64	64	62	97%
	D.I. Khan	89	89	89	100%

	Dir Lower	75	75	75	100%
	Dir Upper	55	55	51	96%
	Hangu	22	22	22	73%
	Haripur	69	69	68	93%
	Karak	34	34	30	88%
	Khyber	40	40	18	63%
	Kohat	59	59	58	93%
	Kohistan Lower	11	11	10	45%
	Kohistan Upper	20	20	19	85%
	Kolai Palas	10	10	10	30%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	39	81%
	Mansehra	133	133	115	74%
	Mardan	84	84	79	80%
	Nowshera	52	52	51	98%
	Peshawar	101	101	93	93%
	Shangla	36	36	5	25%
	Swabi	60	60	58	95%
	Swat	77	77	74	88%
	Tank	34	34	33	97%
	Torghar	10	10	10	100%
Azad Jammu Kashmir	Mirpur	34	34	31	91%
	Bhimber	20	20	20	100%
	Kotli	60	60	47	78%
	Muzaffarabad	43	43	43	100%
	Poonch	46	46	46	100%
	Haveli	43	43	34	79%
	Bagh	41	41	20	49%
	Neelum	33	33	32	97%
	Jhelum Vellay	49	49	19	39%
	Sudhnooti	68	68	14	21%
Islamabad Capital Territory	ICT	18	18	16	89%
	CDA	9	9	6	67%
Balochistan	Gwadar	24	24	1	4%
	Kech	78	44	27	61%
	Khuzdar	136	20	16	80%
	Killa Abdullah	50	32	6	19%
	Lasbella	85	85	84	99%
	Quetta	77	22	14	64%
	Sibi	42	42	9	21%
	Zhob	37	37	24	65%
	Naserabad	45	45	36	80%
Gilgit Baltistan	Hunza	31	31	31	100%

Sindh	Hyderabad	63	63	25	40%
	Ghotki	62	62	46	74%
	Umerkot	98	41	41	100%
	Naushahro Feroze	120	52	15	29%
	Tharparkar	292	100	94	94%
	Shikarpur	32	32	32	100%
	Thatta	53	53	53	100%
	Larkana	67	67	67	100%
	Kamber Shadadkot	70	70	69	99%
	Karachi-East	14	14	13	93%
	Karachi-West	18	18	14	78%
	Karachi-Malir	37	37	13	35%
	Karachi-Kemari	17	17	17	100%
	Karachi-Central	12	12	12	100%
	Karachi-Korangi	17	17	7	41%
	Karachi-South	4	4	4	100%
	Sujawal	31	31	3	10%
	Mirpur Khas	124	124	7	6%
	Badin	13	13	13	100%
	Sukkur	65	65	64	98%
Dadu	71	68	68	100%	
Sanghar	101	101	73	72%	
Jacobabad	54	54	33	61%	
Khairpur	203	203	104	51%	
Punjab	Bahawalpur	91	91	91	100%
