



Field Epidemiology and Disease Surveillance Division (FEDSD)

National Institute of Health (NIH), Islamabad

Phone: 051- 9255237, Email: idsr-pak@nih.org.pk



Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)

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Epi Week-11 (13 - 19th March 2023)

All reported cases in this report are suspected cases

Highlights:

- During week 11, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by ILI, Malaria, ALRI <5 years, SARI, B. Diarrhea, VH (B, C, D), Typhoid, dog bite and CL.
- Overall increase in cases observed for AD and ILI.
- Burden of AD cases is reported mostly from Sindh 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 11, Pakistan

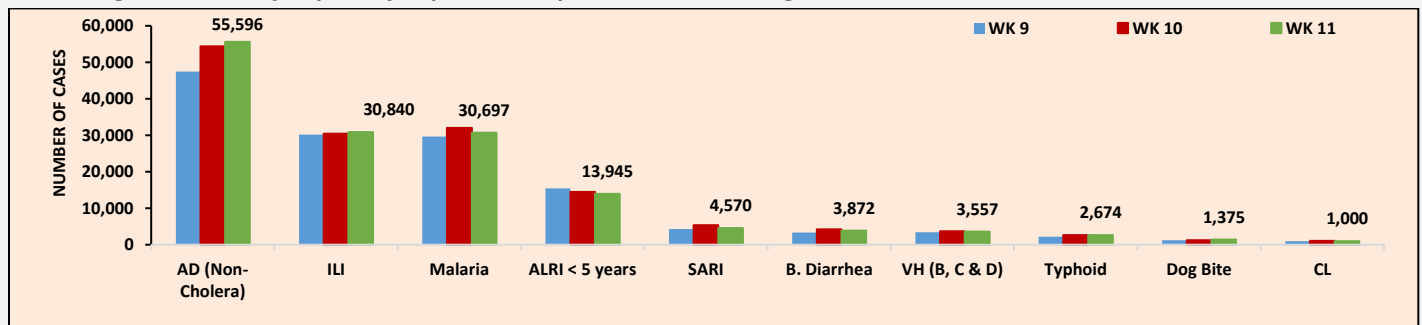


Table 1: Province/Area wise distribution of most frequently reported cases during week 11, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	753	1,917	3	322	17,966	1,867	32,768	55,596
ILI	1,643	2,577	0	1,536	10,524	108	14,452	30,840
Malaria	47	1,263	0	0	3,687	NR	25,700	30,697
ALRI < 5 years	480	916	9	5	2,933	NR	9,602	13,945
SARI	301	635	6	0	3,041	NR	587	4,570
B. Diarrhea	33	438	0	0	808	NR	2,593	3,872
VH (B, C & D)	4	44	0	0	203	NR	3,306	3,557
Typhoid	24	234	0	2	958	NR	1,456	2,674
Dog Bite	12	32	0	0	384	NR	947	1,375
CL	0	55	0	0	942	NR	3	1,000
Mumps	57	29	0	5	261	NR	343	697
Measles	3	15	0	1	219	NR	43	281
AVH (A & E)	0	13	0	0	195	NR	64	272
Chickenpox/ Varicella	0	9	0	4	97	NR	114	224
AWD (S. Cholera)	11	25	1	0	6	NR	59	121
Dengue	3	0	0	0	9	NR	50	62
Gonorrhoea	0	33	0	0	0	NR	15	48
Pertussis	0	17	0	0	26	NR	1	44
HIV/AIDS	0	0	0	0	0	NR	2	2
Brucellosis	0	0	0	0	0	NR	0	0
AFP	0	2	0	0	8	NR	3	13
Meningitis	1	0	0	0	1	NR	7	9
Diphtheria (Probable)	0	0	0	0	8	NR	0	8
Syphilis	0	2	0	0	0	NR	4	6
NT	0	0	0	0	4	NR	0	4
VL	0	0	0	0	3	NR	0	3
Chikungunya	0	1	0	0	0	NR	2	3
Leprosy	0	1	0	0	0	NR	0	1
Rubella (CRS)	0	1	0	0	0	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.
- An increased trend in cases observed for AD and ILI.
- AD cases are mostly from Dadu, Sanghar, Mirpurkhas, Matiari and Shaheed Benazirabad. All are suspected cases and need verification.
- Three forty three cases of Mumps reported, 41 from Matiari and 32 from Tharparkar districts. Eighteen Measles cases are reported from Karachi West. Epidemiological investigation is required to control the spread of disease.

Figure 2: Most frequently reported suspected cases during week 11, Sindh

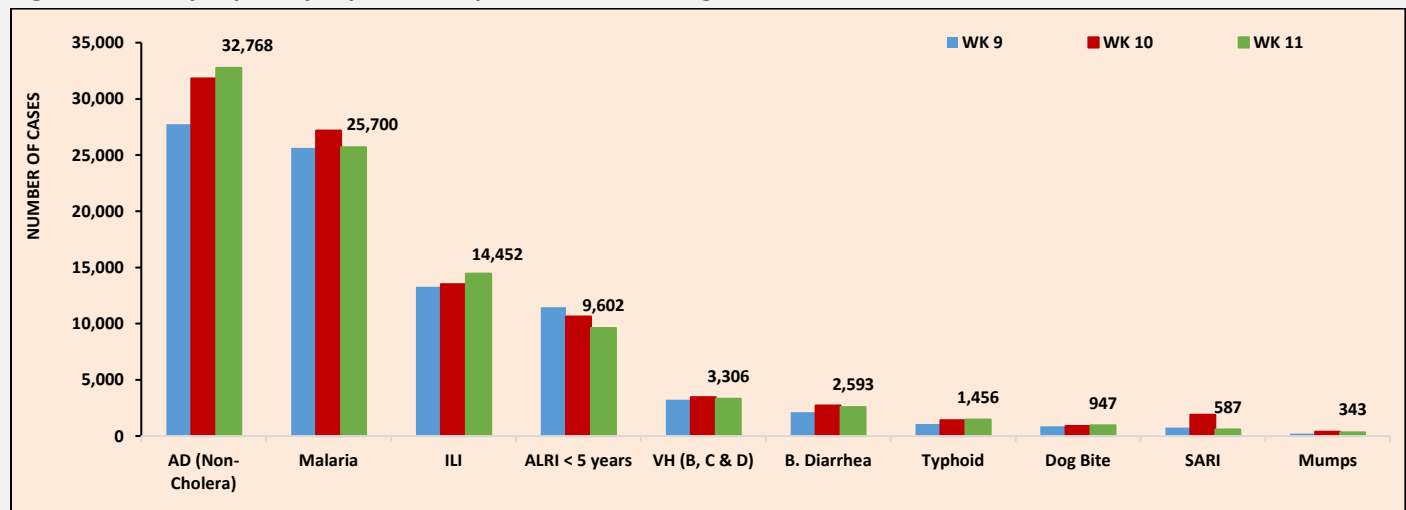


Table 2: District wise distribution of most frequently reported suspected cases during week 11, Sindh

Districts	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	1,970	795	164	682	183	45	1	6	72	0	69
Dadu	3,001	1,832	614	1,158	212	250	23	0	160	0	0
Ghotki	387	233	0	356	37	17	5	0	128	0	28
Hyderabad	1,158	36	620	74	5	0	3	6	36	0	0
Jacobabad	844	777	5	370	60	4	24	0	117	0	50
Jamshoro	297	307	0	114	50	19	5	0	49	0	18
Kamber	1,309	3,048	0	201	77	24	0	0	178	0	1
Karachi Central	210	17	231	5	0	21	0	1	8	0	0
Karachi East	233	70	29	0	8	2	0	0	0	2	0
Karachi Keamari	410	0	32	4	4	8	1	0	0	4	0
Karachi Korangi	432	115	238	26	5	6	0	2	0	3	0
Karachi Malir	850	108	971	327	30	63	6	4	5	33	40
Karachi South	96	3	0	0	3	0	0	0	0	0	0
Karachi West	639	43	175	53	11	20	0	18	16	2	154
Kashmore	559	1,632	522	242	46	31	5	0	105	0	55
Khairpur	928	753	168	617	78	154	302	0	145	0	56
Larkana	1,769	5,446	0	254	234	0	0	0	330	0	0
Matiari	2,338	769	97	284	226	152	4	5	391	6	32
Mirpurkhas	2,499	957	4,225	384	64	33	0	0	64	0	24
Naushero Feroze	953	604	411	465	174	154	40	0	80	0	0
Sanghar	2,973	1,751	345	1,188	160	181	25	0	606	0	166
Shaheed Benazirabad	2,144	1,344	189	624	89	170	0	0	120	0	0
Shikarpur	1,122	445	5	264	119	4	23	0	281	0	199
Sujawal	174	300	0	116	22	0	2	0	2	0	6
Sukkur	1,766	929	1,682	561	227	18	2	0	330	0	0
Tando Allahyar	468	264	413	57	17	0	0	0	10	0	24
Tando Muhammad Khan	331	128	0	27	20	9	0	0	3	0	25
Tharparkar	1,614	1,295	3,291	730	110	44	115	1	42	0	0
Thatta	469	554	25	239	37	11	1	0	16	0	0

Umerkot	825	1,145	0	180	285	16	0	0	12	0	0
Total	32,768	25,700	14,452	9,602	2,593	1,456	587	43	3,306	50	947

Balochistan

- ILI, AD (Non-Cholera), Malaria, ALRI <5 years, SARI, B. Diarrhea, Typhoid, CL, VH (B, C, D), and Gonorrhoea were the most frequently reported diseases from Balochistan province.
- Malaria and AD cases showed an upward trend whereas ILI cases declined this week.
- Six ninety seven cases of AD and 11 cases of Mumps reported from Lasbella, which need urgent field investigation.

Figure 3: Most frequently reported suspected cases during week 11, Balochistan

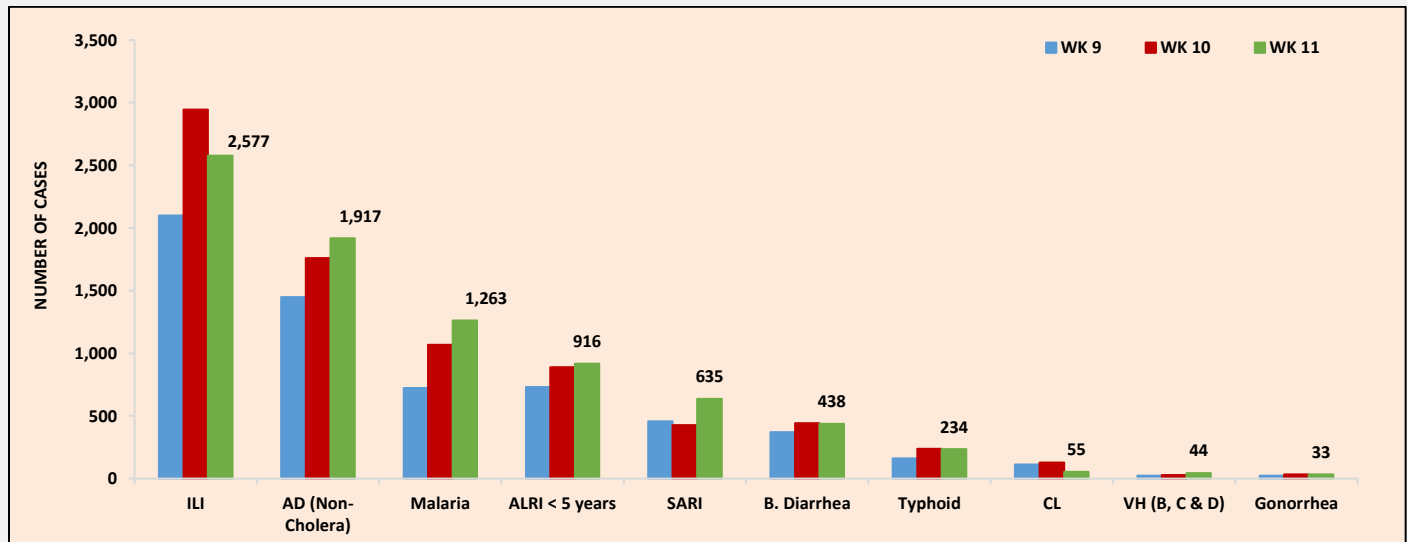
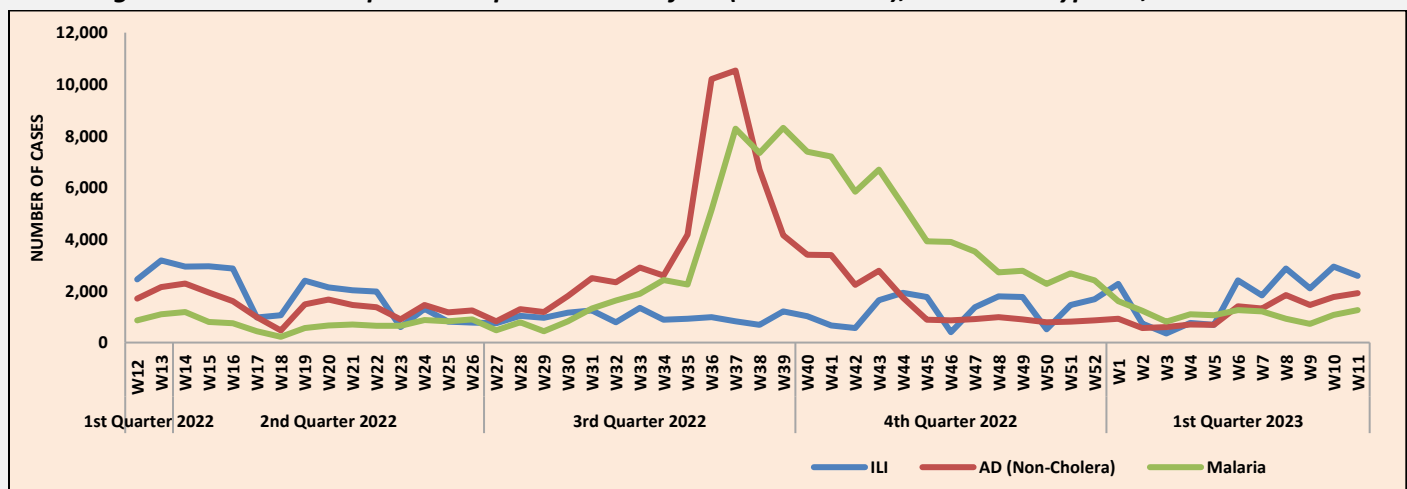


Table 3: District wise distribution of most frequently reported suspected cases during week 11, Balochistan

Districts	Malaria	ILI	AD (Non-Cholera)	SARI	Typhoid	ALRI < 5 years	B. Diarrhea	AWD (S. Cholera)	Mumps
Jaffarabad	192	113	95	75	0	0	23	0	0
Jhal Magsi	NR	NR	NR	NR	NR	NR	1	NR	NR
Kech (Turbat)	179	634	407	51	6	197	143	0	4
Khuzdar	36	203	96	5	7	15	54	0	0
Killa Abdullah	0	2	6	12	7	0	4	0	0
Lasbella	430	101	697	325	21	209	59	8	11
Naseerabad	272	0	35	0	44	23	1	0	2
Pishin	8	254	74	0	24	81	47	2	8
Quetta	10	526	295	53	53	91	53	12	4
Sibi	102	622	65	21	60	10	4	3	0
Zhob	34	122	147	93	12	290	49	0	0
Total	1,263	2,577	1,917	635	234	916	438	25	29

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, dog bite and Mumps cases.
- Both AD and ILI showed an upward trend in cases whereas Malaria declined this week.
- Cases of AD mostly reported from Swat and Peshawar. Malaria cases mostly reported from Bannu and Lakki Marwat, both are adjacent districts and vector control department may be contacted for appropriate control measures.
- Cases of Measles, Mumps and Pertussis are regularly reported and need epidemiological field investigation to find out the source with implementation of control measures.

Figure 5: Most frequently reported suspected cases during week 11, KP

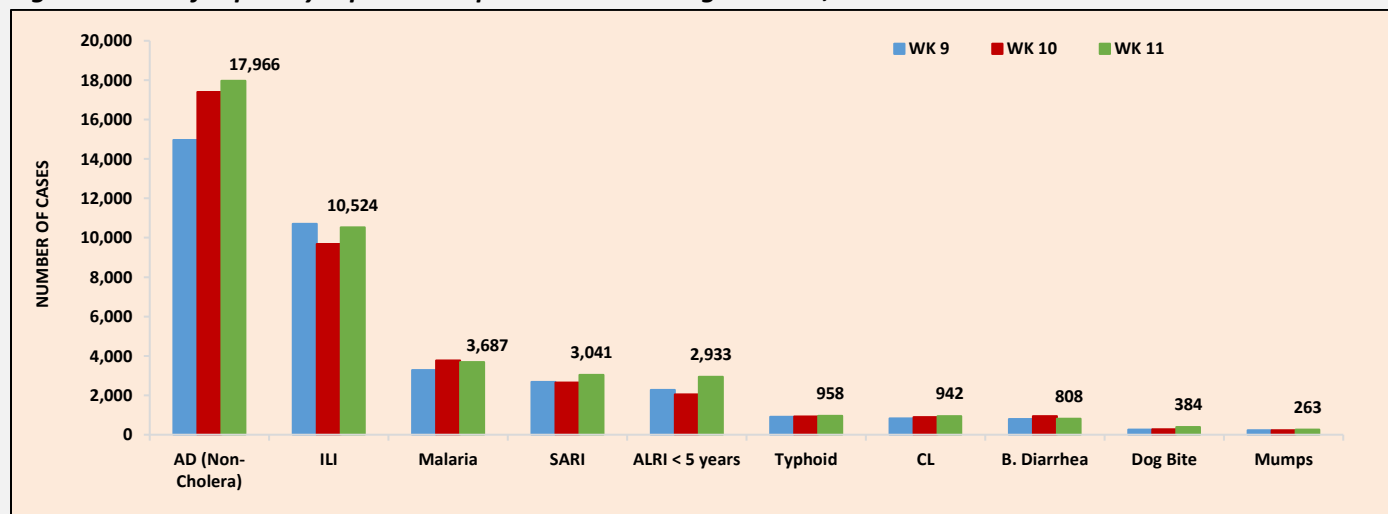
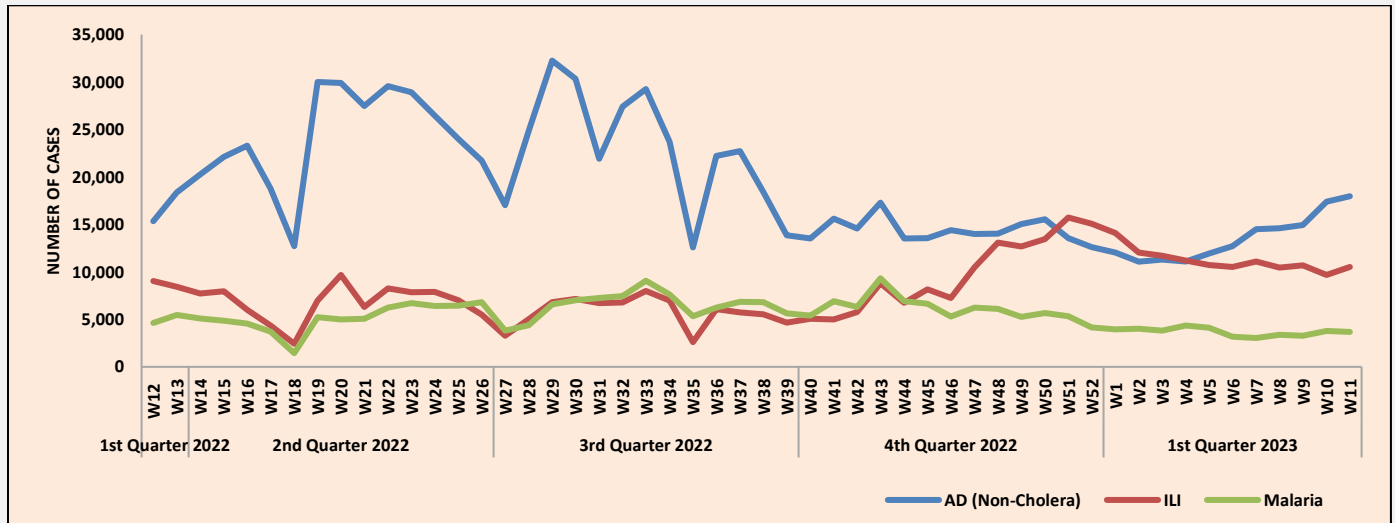


Table 4: District wise distribution of most frequently reported suspected cases during week 11, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	399	0	11	15	4	0	8	2	0	0
Bannu	787	758	484	1	3	33	37	2	0	0
Battagram	469	8	1,283	18	53	0	0	3	0	1
Buner	310	292	0	0	6	8	31	7	0	0
Charsadda	1,350	43	211	92	30	0	2	0	0	0
Chitral Lower	329	6	141	1,274	21	10	15	13	0	2
Chitral Upper	82	0	0	219	2	0	7	0	0	1
D.I. Khan	1,198	69	0	2	29	23	0	3	0	0
Dir Lower	949	347	728	225	412	104	60	25	0	51
Dir Upper	368	4	114	12	234	47	7	0	0	7
Hangu	233	283	342	294	23	34	21	3	0	2
Haripur	870	38	869	8	291	3	37	3	0	41
Karak	302	44	116	19	55	0	9	29	0	0
Khyber	22	1	190	0	5	8	0	0	1	2
Kohat	58	12	22	12	0	0	2	6	0	0
Kohistan Lower	44	0	0	99	5	3	0	0	0	0
Kohistan Upper	364	0	15	39	19	24	107	2	0	0
Kolai Palas	0	0	0	0	0	0	0	0	0	0
Lakki Marwat	661	680	50	15	57	18	18	0	0	0
Malakand	41	30	160	40	45	85	41	0	0	10
Mansehra	638	0	1,347	127	108	24	165	161	2	11
Mardan	522	22	637	243	663	14	0	1	0	3
Nowshera	1,375	413	127	35	1	17	15	3	6	10
Peshawar	2,064	43	2,158	95	43	175	86	10	4	8
Shangla	284	104	0	6	13	2	43	72	7	9
Swabi	961	18	922	104	192	12	37	4	1	23
Swat	2,364	13	468	0	365	91	113	29	0	12

Tank	851	440	129	0	234	37	92	1	0	0
Tor Ghar	71	19	0	47	20	36	5	5	4	2
Total	17,966	3,687	10,524	3,041	2,933	808	958	384	25	195

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), ARLI <5 years, Mumps and Chickenpox.
- ILI cases showed downward trend this week.

Figure 7: Most frequently reported suspected cases during week 11, ICT

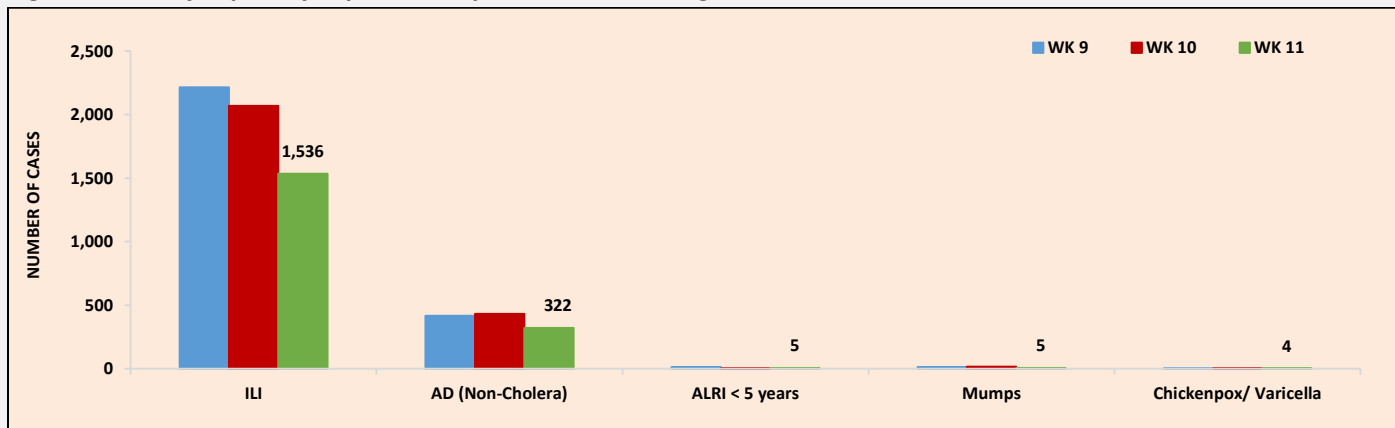
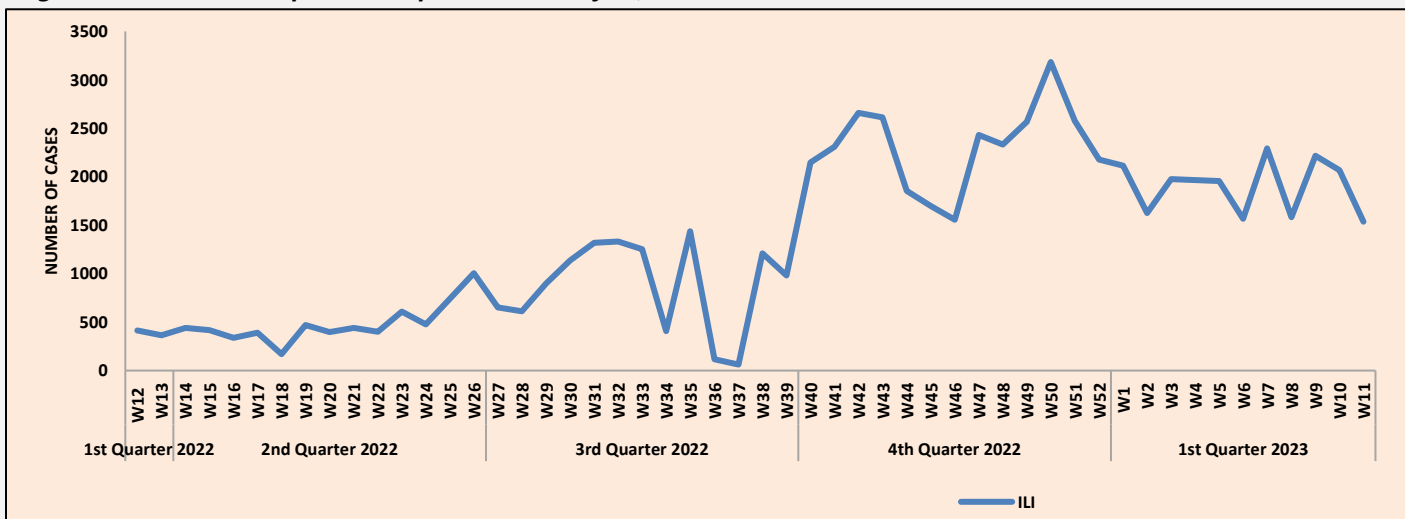


Figure 8: Week wise reported suspected cases of ILI, ICT



Azad Jammu and Kashmir

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

Figure 9: Most frequently reported suspected cases during week 11, AJK

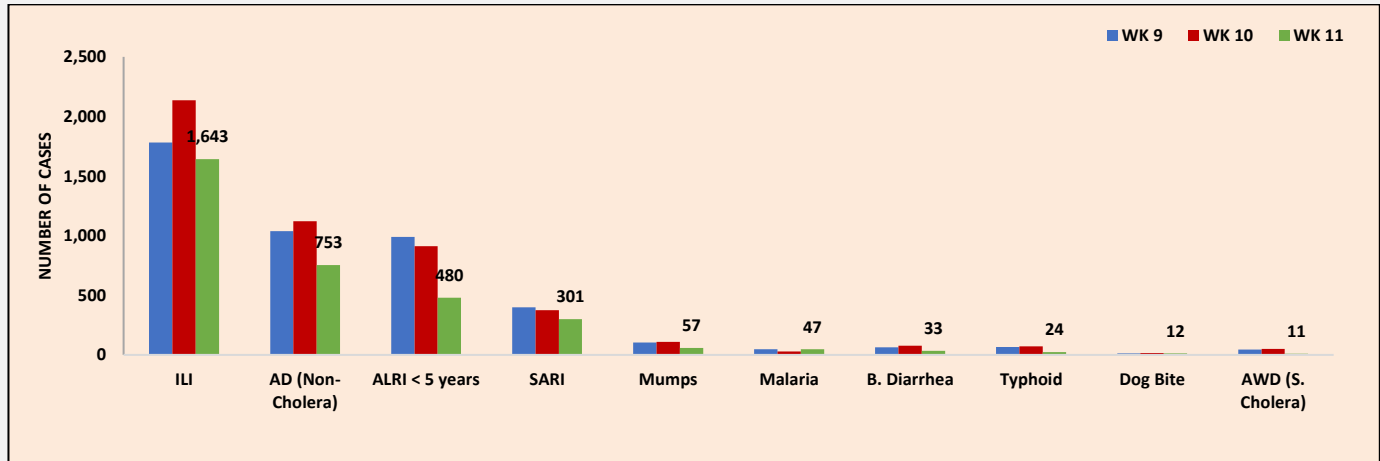
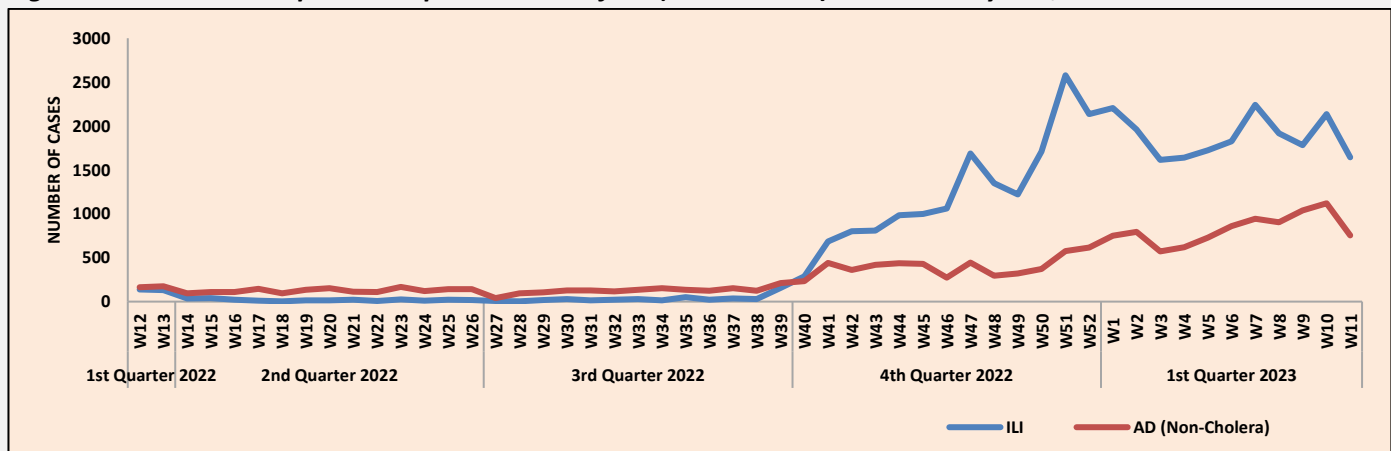


Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK



Gilgit-Baltistan

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

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

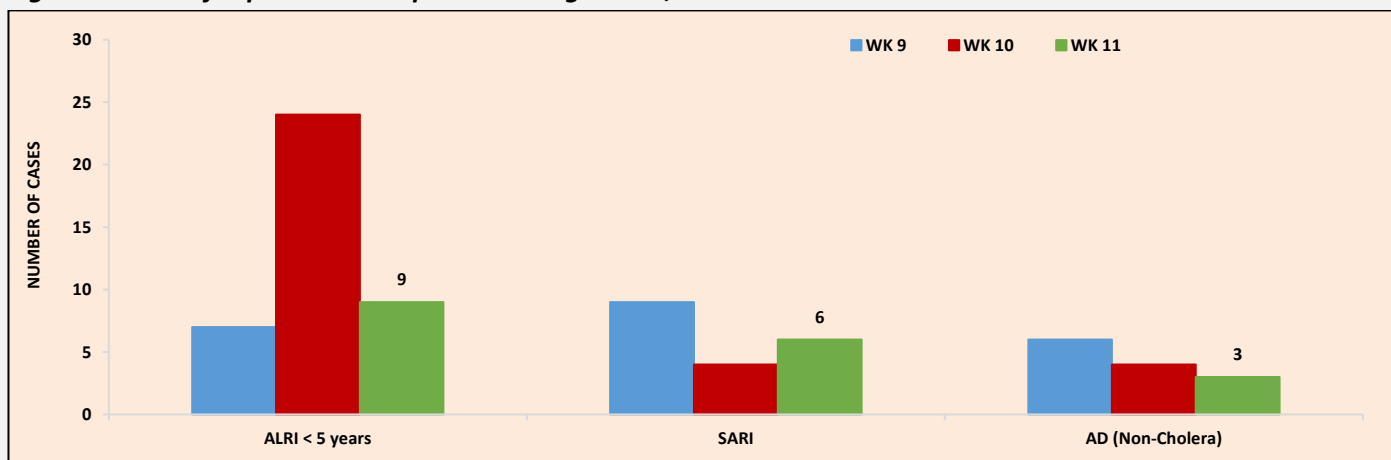
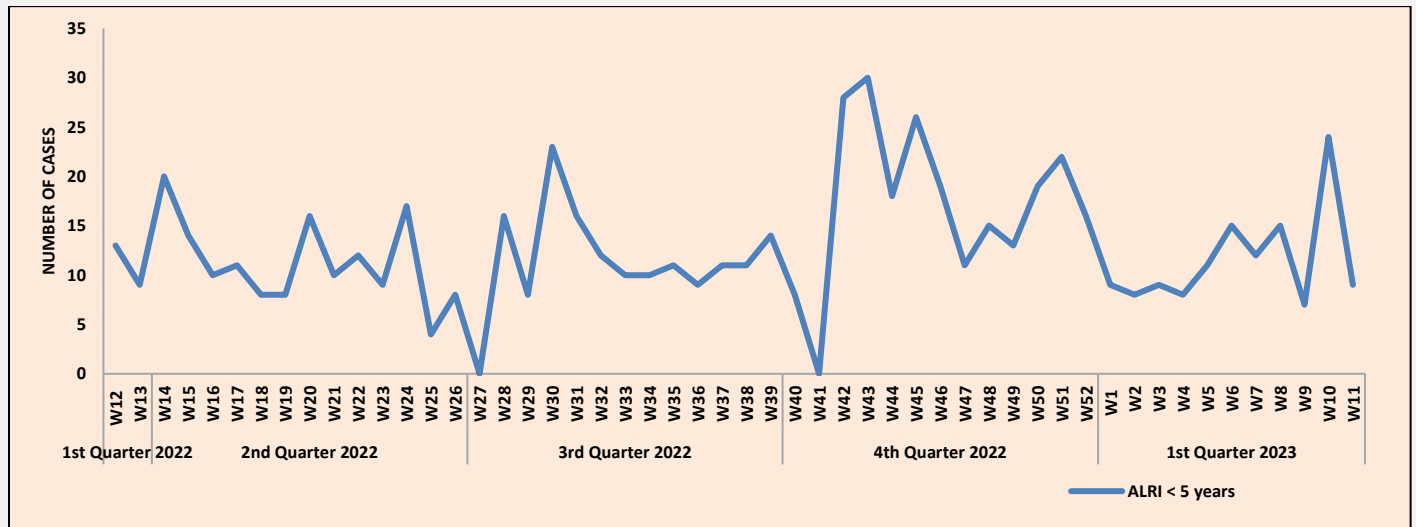


Figure 14: Week wise reported suspected cases of ALRI < 5 years, GB



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	88	88%
	Battagram	43	43	41	88%
	Buner	34	34	34	100%
	Charsadda	61	61	52	89%
	Chitral	64	64	14	97%
	D.I. Khan	89	89	31	100%
	Dir Lower	75	75	89	100%
	Dir Upper	55	55	73	96%
	Hangu	22	22	51	73%
	Haripur	69	69	22	93%
	Karak	34	34	66	88%
	Khyber	40	40	31	63%
	Kohat	59	59	16	93%
	Kohistan Lower	11	11	59	45%
	Kohistan Upper	20	20	10	85%
	Kolai Palas	10	10	18	30%
	Lakki Marwat	49	49	10	100%
	Malakand	42	42	49	81%
	Mansehra	133	133	40	74%
Mardan	84	84	113	80%	
Nowshera	52	52	78	98%	

	Peshawar	101	101	47	93%
	Shangla	36	36	89	25%
	Swabi	60	60	6	95%
	Swat	77	77	57	88%
	Tank	34	34	73	97%
	Torghar	10	10	33	100%
Azad Jammu Kashmir	Mirpur	34	34	10	29%
	Bhimber	20	20	11	55%
	Kotli	60	60	12	20%
	Muzaffarabad	43	43	43	100%
	Poonch	46	46	42	91%
	Bagh	41	41	30	73%
	Sudhnooti	68	68	25	37%
Islamabad Capital Territory	ICT	18	18	18	100%
Balochistan	Kech	78	44	25	57%
	Khuzdar	136	20	16	80%
	Killa Abdullah	50	32	4	13%
	Lasbella	85	85	80	94%
	Pishin	118	23	11	48%
	Quetta	77	22	17	77%
	Sibi	42	42	2	05%
	Zhob	37	37	29	78%
	Jaffarabad	47	47	8	17%
	Naserabad	45	45	37	82%
Gilgit Baltistan	Hunza	31	31	31	100%
Sindh	Hyderabad	63	63	25	40%
	Ghotki	62	62	62	100%
	Umerkot	98	41	41	100%
	Naushahro Feroze	120	52	14	27%
	Tharparkar	292	100	92	92%
	Shikarpur	32	32	32	100%
	Thatta	53	53	21	40%
	Larkana	67	67	67	100%
	Kamber Shadadkot	70	70	70	100%
	Karachi-East	14	14	12	86%
	Karachi-West	18	18	15	83%
	Karachi-Malir	37	37	28	76%
	Karachi-Kemari	17	17	13	76%
	Karachi-Central	12	12	12	100%
	Karachi-Korangi	17	17	7	41%
	Karachi-South	4	4	4	100%
	Sujawal	31	31	15	48%
	Mirpur Khas	124	124	62	50%

	Badin	13	13	13	100%
	Sukkur	65	65	64	98%
	Dadu	71	68	68	100%
	Sanghar	101	101	77	76%
	Jacobabad	54	54	30	56%
	Khairpur	203	203	109	54%
Punjab	Bahawalpur	91	91	91	100%
