



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)

19th May 2023

Epi Week-19 (09th – 15th May 2023)

All reported cases in this report are suspected cases

Highlights:

- During week 19, most frequent reported cases were of Acute Diarrhea (Non-Cholera) followed by Malaria, ILI, ALRI <5 years, B. Diarrhea, SARI, VH (B, C, D), Typhoid, dog bite and AVH (A&E).
- Overall increase in cases observed for AD, Malaria, and ILI.
- Burden of AD and Malaria cases reported mostly from Sindh and KPK.
- Vaccinable preventable diseases are reported from all provinces in high numbers. All are suspected cases and need verification.

Figure 1: Most frequently reported suspected cases during week 19, Pakistan

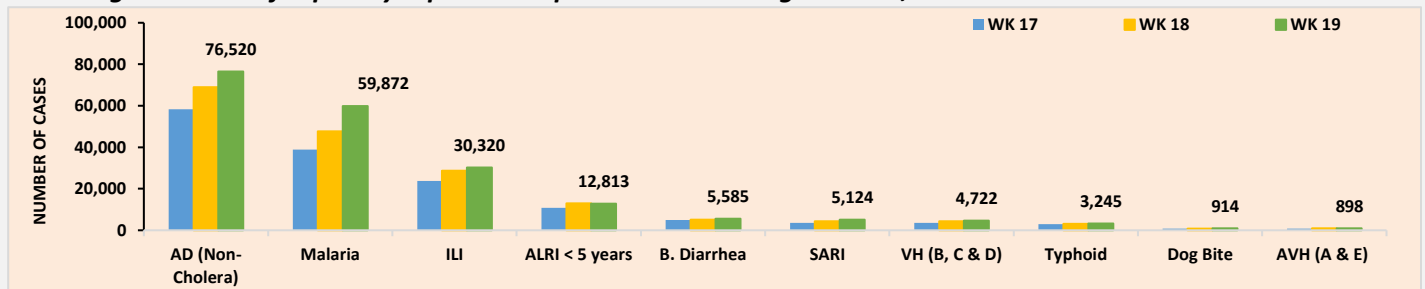


Table 1: Province/Area wise distribution of most frequently reported cases during week 19, Pakistan.

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
AD (Non-Cholera)	1784	3895	7	0	25,945	3104	41,785	76,520
Malaria	83	4,860	0	904	4,788	3	49,234	59,872
ILI	2,440	3,020	0	414	7,492	2321	14,633	30,320
ALRI < 5 years	747	1508	16	0	2301	NR	8,241	12,813
B. Diarrhea	86	1419	2	2	960	NR	3116	5,585
SARI	387	769	5	0	2700	NR	1263	5,124
VH (B, C & D)	6	76	0	0	173	NR	4467	4,722
Typhoid	65	524	0	5	1099	NR	1,552	3,245
Dog Bite	49	60	0	1	219	NR	585	914
AVH (A & E)	54	23	0	0	241	0	580	898
CL	1	69	0	4	749	NR	10	833
Mumps	106	44	0	0	169	NR	407	726
AWD (S. Cholera)	56	274	4	0	74	NR	69	477
Measles	5	13	0	0	228	1	66	308
Chickenpox/ Varicella	8	29	1	0	91	NR	127	256
Gonorrhea	6	111	0	0	10	NR	38	165
Dengue	10	20	0	0	18	NR	91	139
Pertussis	8	77	0	2	28	NR	13	128
Meningitis	2	3	0	0	1	NR	32	38
Anthrax	0	0	0	0	0	NR	0	0
AFP	2	0	0	0	10	0	7	19
NT	1	8	0	0	6	NR	0	15
HIV/AIDS	0	0	0		1	NR	14	15
Leprosy	0	13	0	0	0	NR	0	13
Syphilis	0	8	0	0	1	NR	3	12
Brucellosis	0	0	0	0	10	NR	1	11
CCHF	0	0	0	0	0	NR	0	0
VL	0	8	0	0	1	NR	0	9
Rubella (CRS)	0	5	0	0	0	NR	1	6
Chikungunya	0	3	0	0	0	NR	0	3

Sindh

- Malaria cases were maximum followed by AD (Non-Cholera), ILI, ALRI<5 Years, VH (B, C, D), B. Diarrhea, Typhoid, SARI, dog bite and AVH (A&E).
- An increased trend in cases observed for Malaria, AD, ILI and VH (B, C & D).
- AD cases are mostly from Dadu, Badin, Mirpurkhas, Sanghar and Khairpur whereas Malaria cases are from Larkana, Kamber, Umerkot, Thatta and Dadu. All are suspected cases and field investigation are required to verify the cases.
- VH (B, C & D) cases are on the rise and mostly reported from Sanghar, Matiari and Sukkar. Epidemiological investigations are required to find out the source for control measures.

Figure 2: Most frequently reported suspected cases during week 19, Sindh

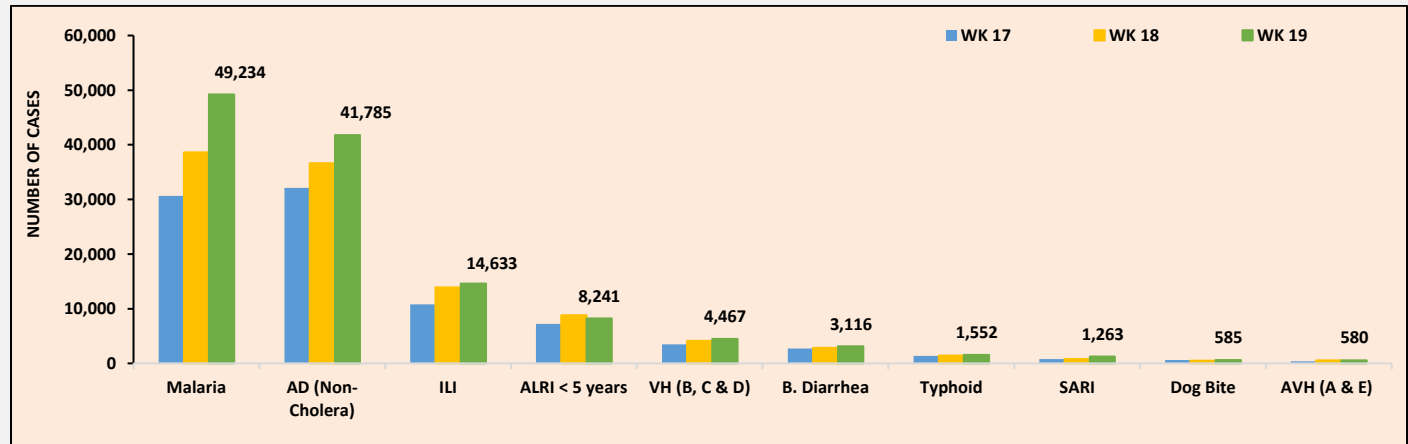


Table 2: District wise distribution of most frequently reported suspected cases during week 19, Sindh

DISTRICTS	AD (Non-Cholera)	Malaria	ILI	ALRI < 5 years	B. Diarrhea	Typhoid	SARI	Measles	VH (B, C & D)	Dengue	Dog Bite
Badin	2,979	2,922	103	626	213	72	0	6	217	0	70
Dadu	3,857	3,288	182	974	291	217	7	3	205	0	0
Ghotki	1,142	651	0	414	109	33	0	2	366	0	0
Hyderabad	998	71	105	20	0	12	0	4	76	0	0
Jacobabad	656	1,072	0	137	80	1	0	0	105	0	49
Jamshoro	828	790	0	176	88	125	0	5	90	0	31
Kamber	1,562	4,135	0	197	128	12	0	1	174	0	0
Karachi Central	752	83	1,127	30	92	120	4	6	40	6	2
Karachi East	219	64	49	17	0	1	0	0	0	5	2
Karachi Keamari	253	3	90	19	0	4	0	0	0	0	0
Karachi Korangi	401	49	40	3	4	3	0	0	0	4	1
Karachi Malir	982	52	1,404	212	35	24	202	0	18	3	24
Karachi South	106	34	1	0	3	1	0	0	0	0	0
Karachi West	640	56	361	164	21	28	31	7	9	18	39
Kashmore	694	2,081	437	152	65	18	0	0	84	0	19
Khairpur	2,146	2,763	174	569	345	154	908	6	147	0	41
Larkana	1,937	7,904	0	183	206	0	0	0	58	0	0
Matiari	2,020	1,224	0	248	123	77	12	0	521	17	25
Mirpurkhas	2,476	2,647	3,727	387	57	34	0	2	91	0	7
Naushero Feroze	1,704	1,998	728	277	8	156	0	0	68	0	14
Sanghar	2,157	1,238	204	537	118	81	9	2	879	0	119
Shaheed Benazirabad	1,813	1,136	65	442	49	186	3	0	95	0	0
Shikarpur	1,051	819	3	123	116	4	17	3	222	0	0
Sujawal	1,893	2,139	0	139	124	12	0	0	0	0	0
Sukkur	1,675	1,871	1,721	329	222	16	2	4	492	0	0
Tando Allahyar	2,050	1,072	952	298	105	48	0	2	256	0	27
Tando Muhammad Khan	444	357	0	83	21	9	0	0	16	0	43
Tharparkar	1,179	1,654	1,859	577	135	25	52	4	74	38	3

Thatta	1,832	3,520	1,301	355	123	36	16	9	84	0	69
Umerkot	1,339	3,541	0	553	235	43	0	0	80	0	0
Total	41,785	49,234	14,633	8,241	3,116	1,552	1,263	66	4,467	91	585

Balochistan

- Malaria, AD (Non-Cholera), ILI, ALRI <5 years, B. Diarrhea, SARI, Typhoid, AWD (S. Cholera), Gonorrhoea and Measles were the most frequently reported diseases.
- Cases of ILI, AD and Malaria showed a steady trend this week.
- AWD (S. Cholera) cases are reported in high numbers from Quetta, Jhal magsi, Harnai and Mastung districts. These districts were the most affected during floods. All are suspected cases and demand urgent field investigation.

Figure 3: Most frequently reported suspected cases during week 19, Balochistan

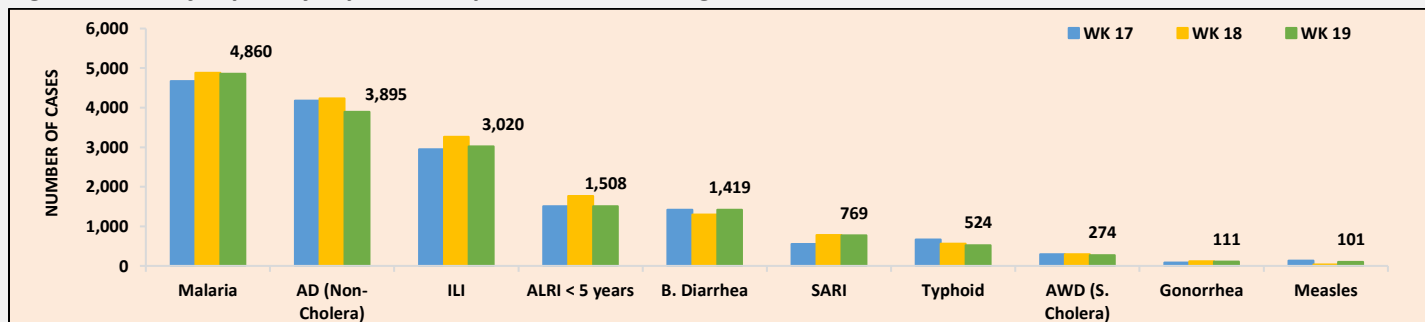
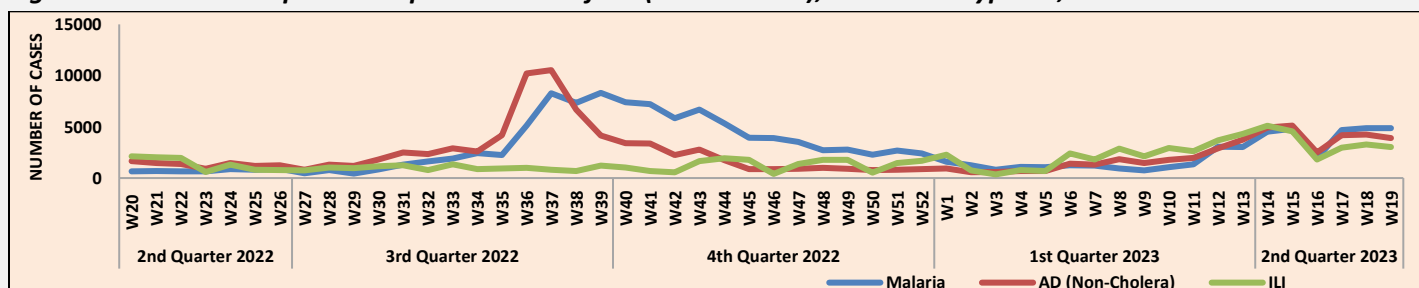


Table 3: District wise distribution of most frequently reported suspected cases during week 19, Balochistan

Districts	ILI	Malaria	AD (Non-Cholera)	ALRI < 5 years	SARI	B. Diarrhea	Typhoid	CL	Dog Bite	AWD (S. Cholera)
Chagai	239	14	125	0	0	55	24	0	0	3
Harnai	8	127	91	524	5	373	14	1	8	45
Jhal Magsi	0	1,133	349	44	25	21	60	3	9	56
Kalat	4	30	16	0	1	16	13	1	0	0
Kech (Turbat)	593	581	476	56	6	103	6	0	0	3
Kharan	208	155	155	0	0	76	1	0	0	3
Khuzdar	92	102	127	5	14	83	14	10	10	1
Kohlu	113	105	75	16	45	82	25	7	0	18
Lasbella	107	995	769	191	275	110	36	4	11	3
Loralai	274	118	415	241	176	100	63	5	6	12
Mastung	93	54	109	30	62	50	45	7	3	38
Naseerabad	0	893	224	12	3	14	66	4	1	4
Nushki	0	51	176	0	9	97	5	0	0	12
Pishin	156	3	76	31	13	45	11	21	2	0
Quetta	788	27	344	49	33	88	40	4	5	57
Sherani	12	5	8	0	3	4	0	0	0	0
Sibi	210	247	156	20	21	29	63	1	5	14
Sohbat pur	2	126	69	6	0	17	21	0	0	3
SURAB	8	6	0	0	0	2	6	0	0	0
Zhob	113	88	135	283	78	54	11	1	0	2
Total	3,020	4,860	3,895	1,508	769	1,419	524	69	60	274

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, AVH (A&E) and Measles cases.
- Cases of AD (Non-Cholera) are mostly reported from Swat, Peshawar and Nowshera. Dog bite cases have increased mainly from Shangla and Karak.
- AD showed an acute upward trend in cases this week whereas ILI and Malaria cases also increased.

Figure 5: Most frequently reported suspected cases during week 19, KP

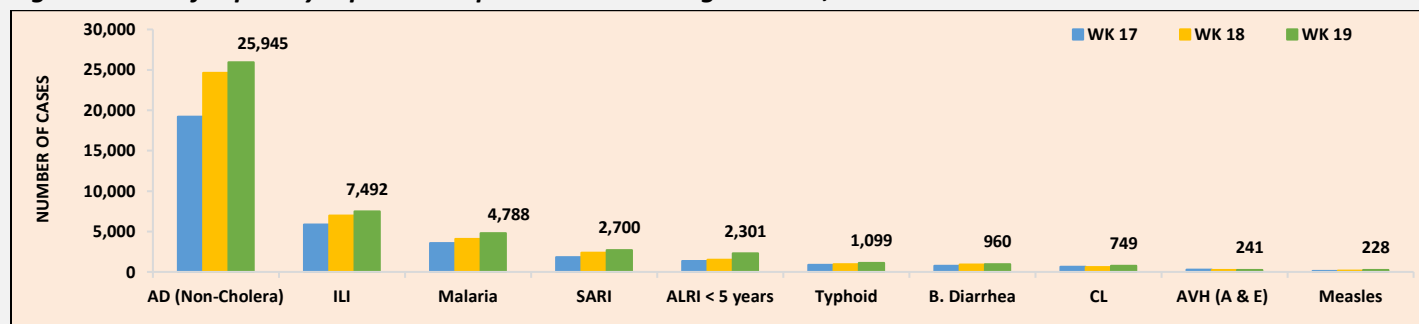
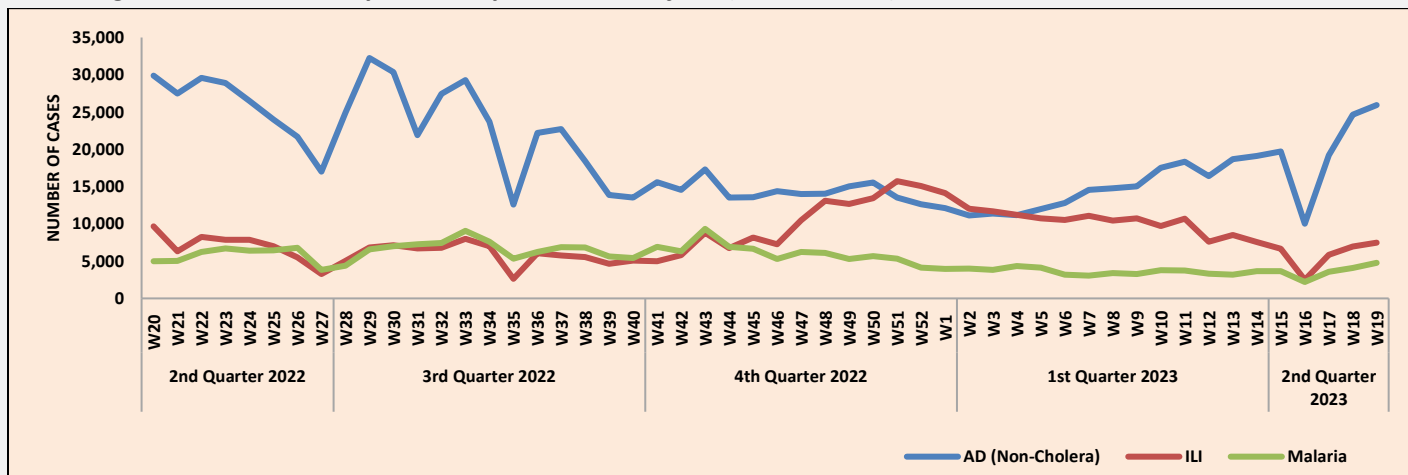


Table 4: District wise distribution of most frequently reported suspected cases during week 19, KP

Diseases	AD (Non-Cholera)	Malaria	ILI	SARI	ALRI < 5 years	B. Diarrhea	Typhoid	Dog Bite	AWD (S. Cholera)	AVH (A & E)
Abbottabad	698	0	9	8	3	1	12	2	0	0
Bannu	776	956	189	0	2	15	18	0	1	0
Battagram	459	54	828	11	33	0	1	3	0	1
Buner	554	485	0	0	0	6	45	22	0	0
Charsadda	1,555	67	119	38	1	0	0	0	0	0
Chitral Lower	509	7	200	1,114	7	1	7	14	0	3
Chitral Upper	73	0	0	224	1	0	14	2	0	2
D.I. Khan	23	0	0	1	0	0	0	0	2	0
Dir Lower	1,450	707	227	217	254	127	37	16	0	97
Dir Upper	477	3	136	1	136	35	24	0	6	8
Hangu	367	228	405	201	16	36	19	6	5	6
Haripur	1,722	15	717	41	241	0	42	8	0	40
Karak	471	61	77	21	10	3	8	27	1	0
Khyber	13	15	167	2	1	8	5	0	0	0
Kohat	71	22	32	16	2	2	1	5	0	0
Kohistan Lower	76	0	0	203	2	21	1	0	6	0
Kohistan Upper	422	17	95	41	27	28	91	3	12	0
Kolai Palas	56	7	0	0	5	10	3	0	7	0
Lakki Marwat	651	1,206	3	0	34	34	33	0	0	0
Malakand	895	48	31	52	79	113	35		0	6
Mansehra	783	2	974	64	21	23	171	0	1	15
Mardan	1,628	32	786	131	312	63	2	1	0	2
Nowshera	2,341	60	98	12	1	40	37	1	0	13
Peshawar	3,085	35	1,037	192	36	176	68	3	5	19
Shangla	409	324	0	0	8	4	49	87	11	0
Swabi	2,146	24	830	72	243	25	33	0	1	21
Swat	3,098	44	522	0	544	136	127	13	0	8
Tank	1,037	295	10	0	237	30	205	1	0	0
Tor Ghar	100	74	0	38	45	23	11	5	16	0
Total	25,945	4,788	7,492	2,700	2,301	960	1,099	219	74	241

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



Islamabad

- The most frequently reported cases from Islamabad were of ILI followed by AD (Non-Cholera), B. Diarrhea and Typhoid.
- ILI cases showed a downward trend in cases this week.

Figure 7: Most frequently reported suspected cases during week 19, ICT

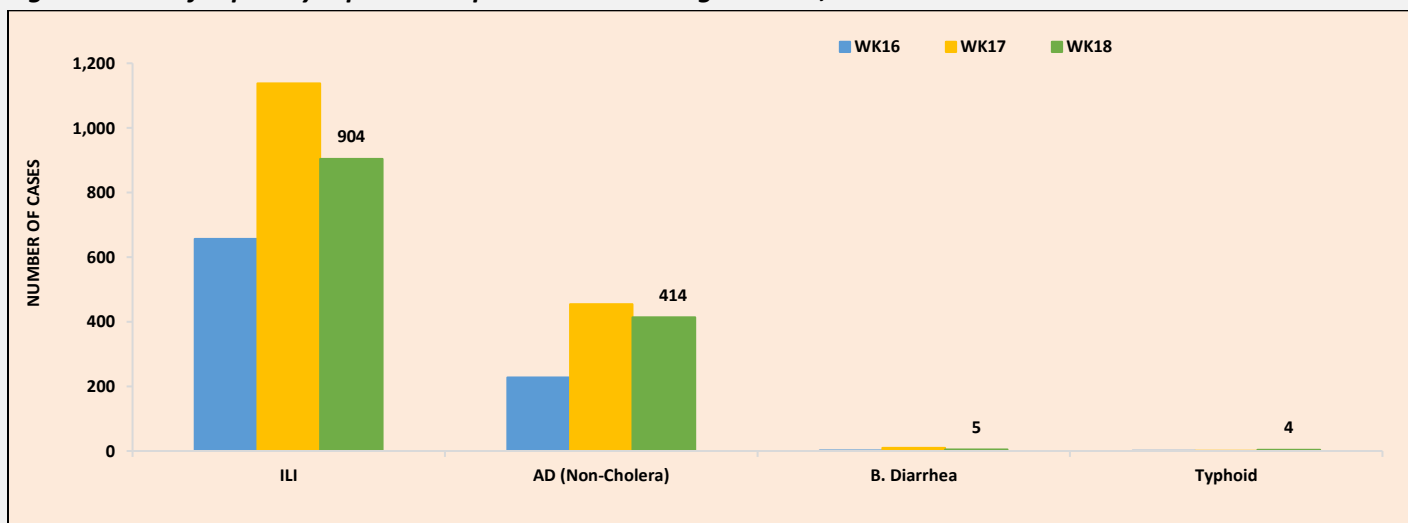
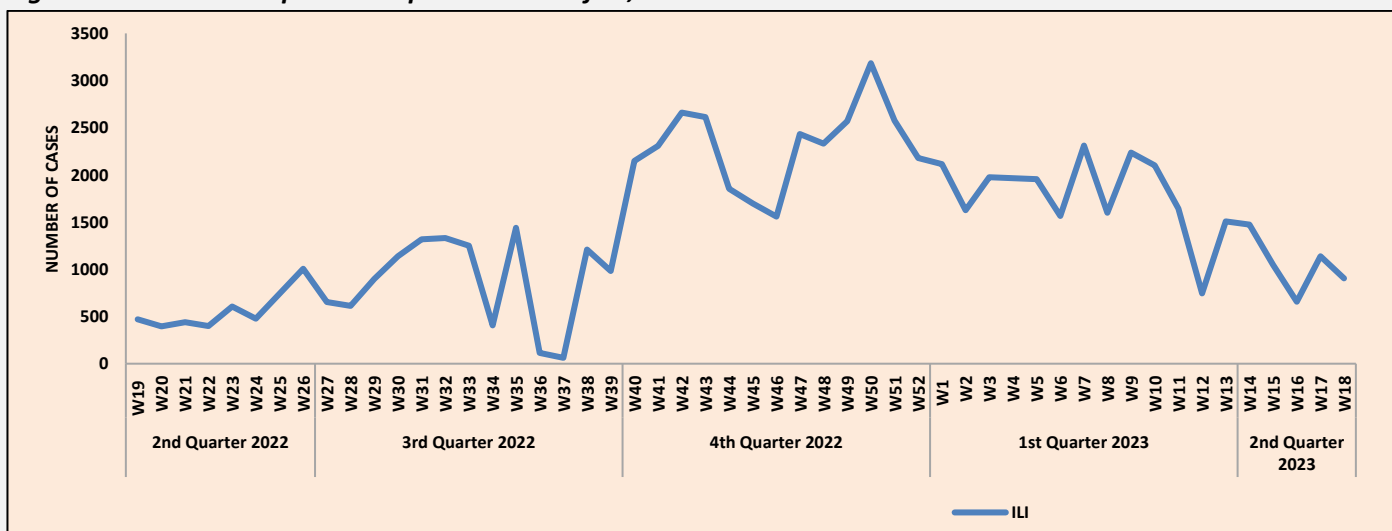


Figure 8: Week wise reported suspected cases of ILI, ICT



Azad Jammu and Kashmir

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

Figure 9: Most frequently reported suspected cases during week 19, AJK

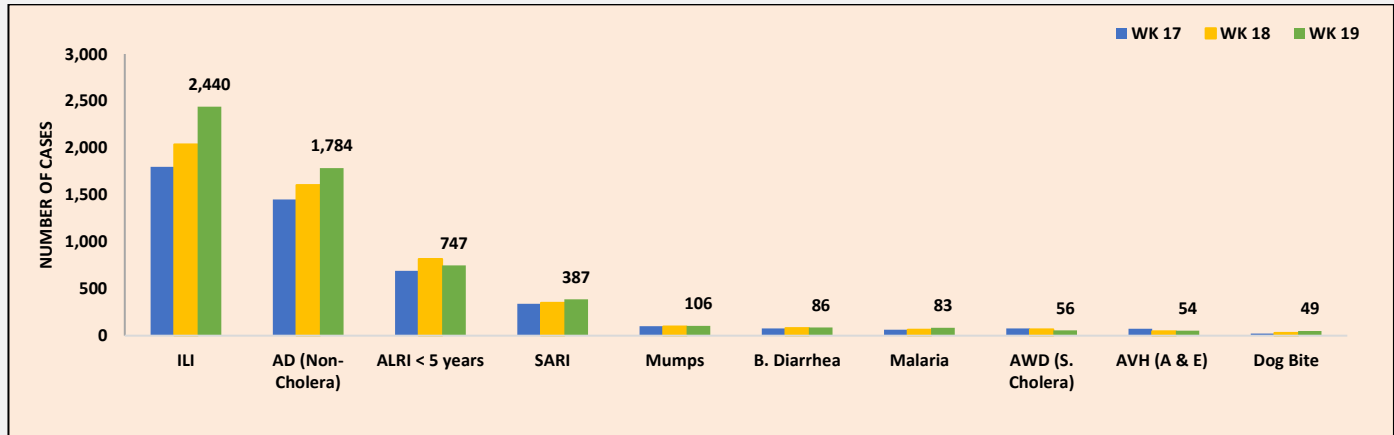
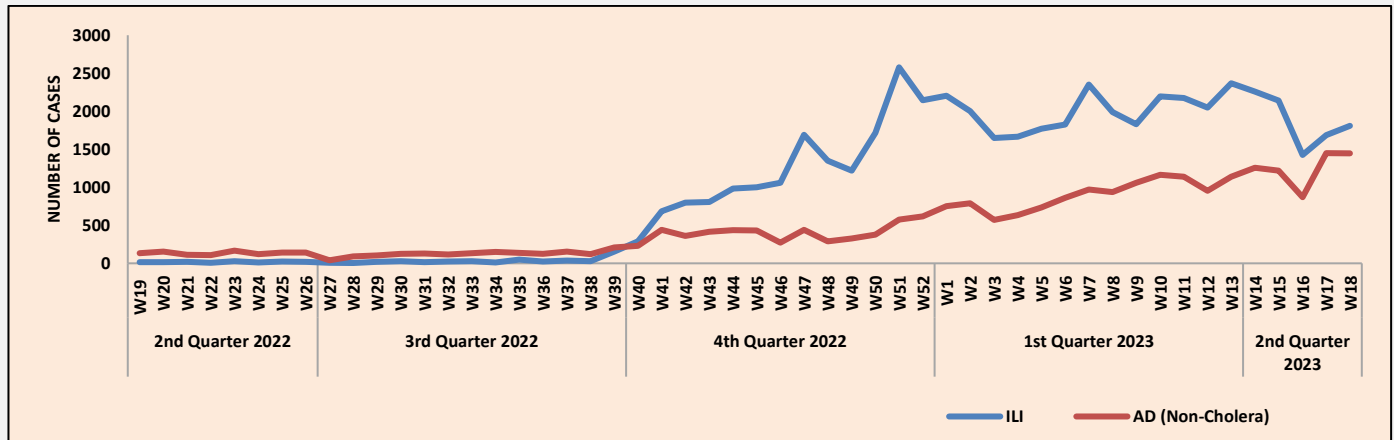


Figure 10: Week wise reported suspected cases of AD (Non-Cholera) and ALRI <5 years, AJK



Gilgit-Baltistan

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

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

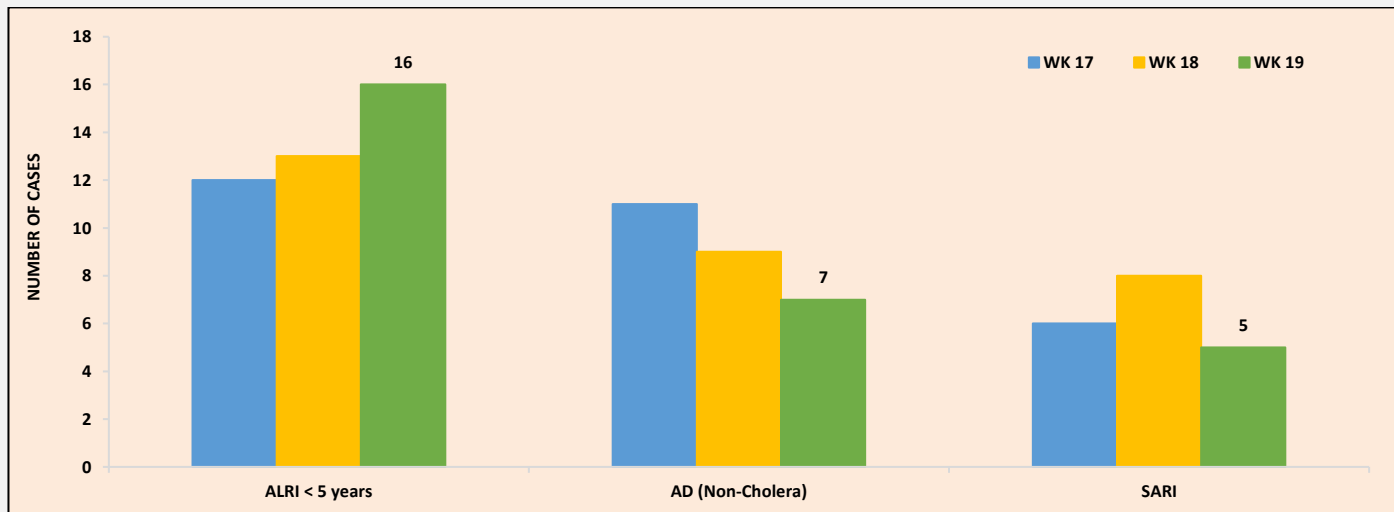


Figure 12: Week wise reported suspected cases of ALRI < 5 years, GB

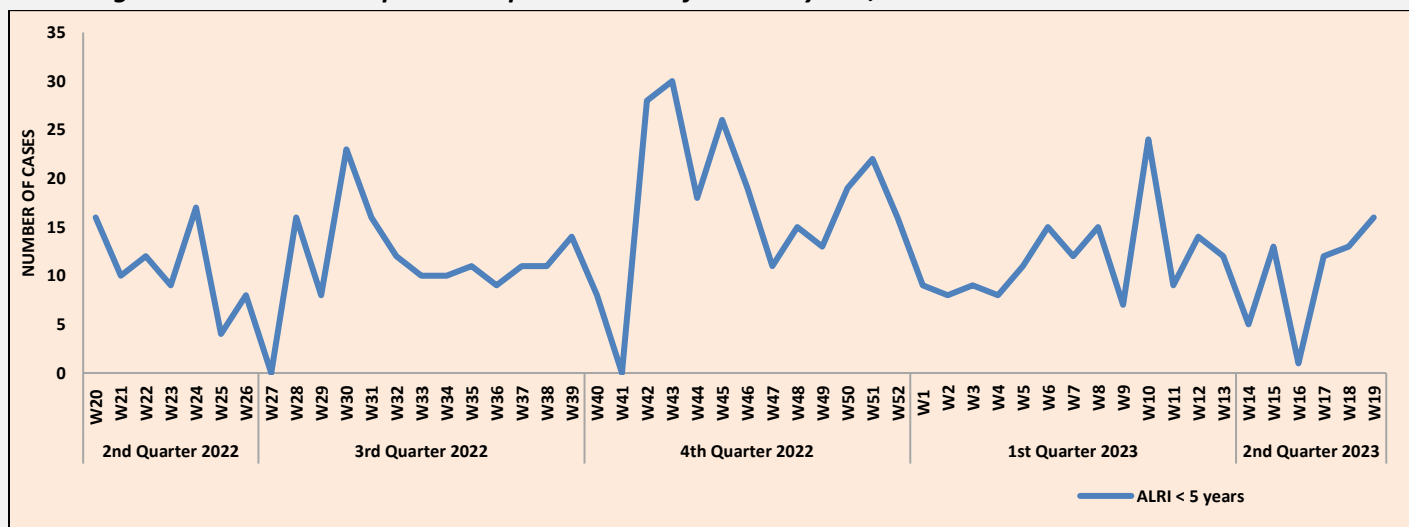


Table 5: IDSR Priority Diseases Confirmed Cases reported from Public Health Laboratories of Pakistan

Diseases	Sindh	KP	Balochistan	Gilgit
Acute Diarrhea (Non-Cholera)	3	-	-	270
Acute Watery Diarrhea (S. Cholera)	9	-	-	200
Bloody Diarrhea	-	-	-	20
Malaria	147	-	-	1
M-POX	-	-	-	-
Dengue	18	-	4	-
Acute Viral Hepatitis(A)	-	-	-	-
Acute Viral Hepatitis(B)	95	-	-	6
Acute Viral Hepatitis(C)	307	-	14	1
Acute Viral Hepatitis(E)	-	-	-	-
ILI (influenza like illness)	-	-	-	200
SARI	-	-	-	12
Covid-19	-	-	1	-
Pneumonia (ALRI)	-	-	-	24
Measles	-	-	-	18
Meningitis	-	-	-	6
CCHF	-	-	1	-
Typhoid	6	10	-	48

IDSR Attributes

- Out OF 80 IDSR implemented districts, compliance is low from Balochistan and KPK 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	104	95%
	Bannu	92	92	83	90%
	Battagram	43	43	32	74%
	Buner	34	34	21	62%
	Charsadda	61	61	53	87%
	Chitral Lower	35	35	31	89%
	D.I. Khan	89	89	4	04%
	Dir Lower	75	75	73	97%
	Dir Upper	55	55	50	91%
	Hangu	22	22	22	100%
	Haripur	69	69	67	97%
	Karak	34	34	32	94%
	Khyber	40	40	5	13%
	Kohat	59	59	55	93%
	Kohistan Lower	11	11	10	91%
	Kolai Palas	10	10	10	100%
	Lakki Marwat	49	49	49	100%
	Malakand	42	42	36	86%
	Mansehra	133	133	99	74%
	Mardan	84	84	65	77%
	Nowshera	52	52	45	87%
	Peshawar	101	101	92	91%
	Shangla	36	36	9	25%
	Swabi	60	60	57	95%
	Swat	77	77	70	91%
	Tank	34	34	33	97%
Torghar	10	10	7	70%	
Azad Jammu Kashmir	Mirpur	35	35	36	100%
	Bhimber	20	20	16	80%
	Kotli	60	60	13	22%
	Muzaffarabad	43	43	42	98%
	Poonch	46	46	46	100%
	Haveli	43	43	28	65%
	Bagh	41	41	19	46%
	Jhelum Vellay	49	49	16	33%
	Sudhnooti	68	68	27	40%
Islamabad Capital Territory	ICT	18	18	17	94%
	CDA	9	9	5	56%
Balochistan	Kech	78	44	31	70%
	Khuzdar	136	20	17	85%
	Lasbella	85	85	82	96%

	Pishin	118	23	11	48%
	Quetta	77	22	16	73%
	Sibi	42	42	12	29%
	Zhob	37	37	28	76%
	Naserabad	45	45	33	73%
	kharan	32	32	28	88%
	sherani	32	32	3	09%
	kohlu	75	75	21	28%
	Chagi	65	65	16	25%
	kalat	65	65	12	18%
	Harnai	36	36	17	47%
	Jhal Magsi	39	39	23	59%
	Sohbat pur	26	26	1	04%
	Surab	33	33	4	12%
	Mastung	45	45	14	31%
Gilgit Baltistan	Hunza	31	31	31	100%
	Hyderabad	63	63	25	40%
	Ghotki	65	65	65	100%
	Umerkot	98	41	41	100%
	Naushahro Feroze	120	52	52	100%
	Tharparkar	292	100	100	100%
	Shikarpur	64	64	58	91%
	Thatta	53	53	53	100%
	Larkana	67	67	67	100%
	Kamber Shadadkot	71	71	71	100%
	Karachi-East	14	14	14	100%
	Karachi-West	18	18	18	100%
	Karachi-Malir	37	37	20	54%
	Karachi-Kemari	17	17	14	80%
	Karachi-Central	11	11	11	100%
	Karachi-Korangi	17	17	17	100%
	Karachi-South	4	4	4	100%
	Sujawal	31	31	31	100%
	Mirpur Khas	124	124	104	84%
	Badin	144	144	111	77%
	Sukkur	65	65	64	98%
	Dadu	90	90	90	100%
	Sanghar	101	101	54	53%
	Jacobabad	54	54	24	44%
	Khairpur	203	203	157	77%
	kashmore	59	59	59	100%
	Matiari	42	42	40	95%
	Jamshoro	70	70	62	89%
	Tando Allahyar	54	54	48	89%
	Tando Muhammad Khan	41	41	12	29%
	Shaheed Benazirabad	124	124	119	96%
Punjab	Bahawalpur	91	91	91	100%
