

Highlights of the Epi-Week 49 (6th December – 12th December 2021)

Cumulative Information

- During this week, maximum cases reported were of ILI, Acute Diarrhea (Non Cholera), Malaria, ALRI <5 years, SARI, B. Diarrhea, Typhoid, suspected Cholera, Rabies/Dog bite & VH (B, C & D).
- In comparison with previous week i.e. Week-48, ILI, AD (Non Cholera), B. diarrhea & Rabies dog bite cases have shown an increase in trend while other diseases depicted a downward or similar trend.
- Increased cases of B. Diarrhea reported from all sites which should be investigated for timely management and to halt further spread of illness.
- Persistent reporting of cases of Gonorrhea from Sindh & Balochistan need urgent attention and differential diagnosis for proper follow up and treatment.
- Cases of VPDs (Meningitis, Measles, Chickenpox & Mumps) reported from KP, Balochistan, ICT and Sindh and warrant immediate attention of Immunization program to strengthen vaccination to control the spread of VPDs.
- Despite drop in temperature, cases of VH (B, C & D), suspected Cholera and Typhoid are regularly reported from Sindh, Balochistan & KP province need urgent attention for inter-sectoral coordination to implement control measures accordingly.
- Reporting of cases of Rabies/Dog bite warrants urgent attention and further workup using One Health approach.

Figure 1: Most frequently reported cases during week 49, in comparison with previous weeks, Pakistan

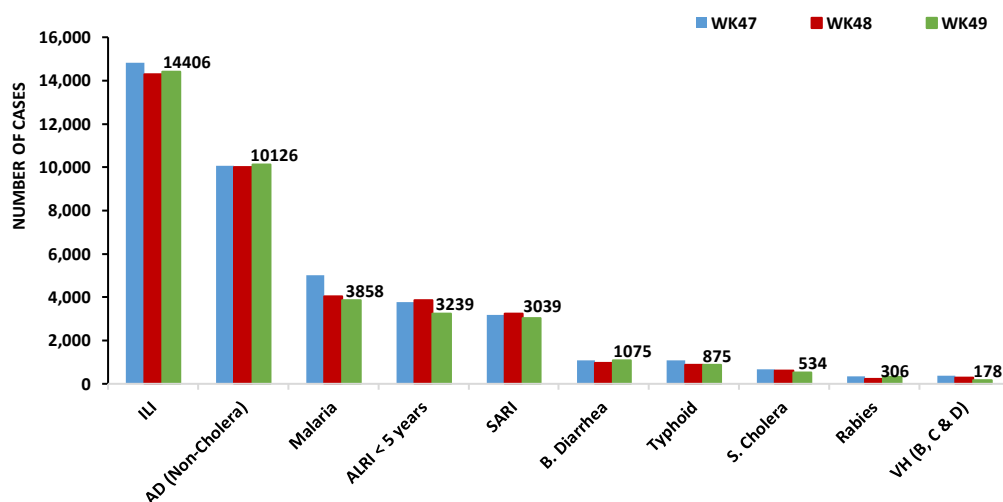


Table 1: Province/Area wise distribution of most frequently reported cases during week 49, Pakistan

Diseases	AJK	Balochistan	GB	ICT	KP	Sindh	Total
ILI	64	3,687	54	135	3,972	6,494	14,406
AD (Non-Cholera)	61	1,293	5	176	3,700	4,891	10,126
Malaria	0	637	0	1	1,124	2,096	3,858
ALRI < 5 years	42	252	14	181	810	1,940	3,239
SARI	0	432	9	117	2,423	58	3,039
B. Diarrhea	1	232	7	7	192	636	1,075
Typhoid	0	194	1	0	377	303	875
S. Cholera	0	71	4	0	163	296	534
Rabies / Dog bite	0	31	0	0	140	135	306
VH (B, C & D)	0	7	0	0	52	119	178
CL	0	140	0	0	12	0	152
Measles	0	22	0	0	81	30	133
AVH (A & E)	0	1	0	0	42	48	91
Dengue	0	2	0	0	45	42	89
Chickenpox	0	10	0	2	49	6	67
Mumps	0	13	0	1	32	4	50
Gonorrhea	0	32	0	0	3	11	46
Meningitis	0	2	0	0	0	1	3
Syphilis	0	0	0	0	0	3	3

Points of Attention

- Due to regular Polio campaigns and ongoing COVID-19 activities, Health Care Workers (HCWs) are quite overburdened. As a result routine immunization is affected, and VPDs (Measles, Mumps) cases are reported each week. **Vigilant monitoring, and coordination with EPI needs to be strengthened to reduce the VPD cases.**
- Despite low temperature, Malaria, Typhoid and Dengue cases are on rise especially in Balochistan, KP and Sindh. Risk and other contributing factors for hotspot areas should be identified, and timely response must be initiated.**
- It is proposed to enhance community awareness on water, sanitation and hygiene (WASH) practices especially in diarrheal diseases and typhoid affected districts.
- Burden of Zoonotic diseases is increasing in Pakistan including dog bite. To reduce numbers, community awareness sessions may be arranged. At provincial level a comprehensive Rabies control plan using One Health approach should be developed and implemented.
- IDSR focal persons may share alert verification and outbreak investigation reports. This will help in furnishing details on disease burden, circulating pathogens and devising national strategies for prevention & control of diseases.

Sindh

- Sindh reported maximum cases of ILI (n=6,494), AD (Non Cholera) (n=4,891), Malaria (n=2,096), ALRI <5 Years (n=1,940), B. diarrhea (n=636), Typhoid (n=303), suspected Cholera (n=296), Rabies/ Dog bite (n=135), VH (B, C & D) (n=119), & SARI (n=58).
- District Ghotki reported the maximum cases of ALRI <5 years, AD (Non Cholera) & ILI.
- District Hyderabad reported maximum cases of ILI, AD (Non Cholera), ALRI <5 years, B. diarrhea & suspected Cholera.
- From Kamber, AD (Non Cholera), Malaria, ALRI <5 years, B. diarrhea & suspected Cholera cases were at maximum.
- From Karachi East, maximum cases reported were of AD (Non Cholera) and Malaria.
- From Karachi Malir, maximum cases reported were of AD (Non Cholera), ALRI <5 years & ILI.
- From Larkana, cases of AD (Non Cholera) Malaria & ALRI <5 years were reported at maximum.
- Naushahro Feroze reported cases of ILI, Malaria, AD (Non Cholera) & ALRI <5 years at maximum.
- District Shikarpur reported Malaria & AD (Non Cholera) cases at maximum.
- From Tharparkar, maximum cases of ILI, AD (Non-Cholera), Malaria, ALRI <5 years & B. diarrhea were reported.
- From Thatta, cases of Malaria & AD (Non Cholera) were reported at maximum.
- Seven HIV/AIDS reported from Larkana and Hyderabad which need immediate verification and implementation of preventive measures accordingly.
- This week, cases of ILI & ALRI <5 years have shown an upward trend while cases of Typhoid declined as compared to previous week.

(Note: NR= Not Reported)

Figure 2: Most frequently reported cases during week 49, in comparison with previous weeks, Sindh

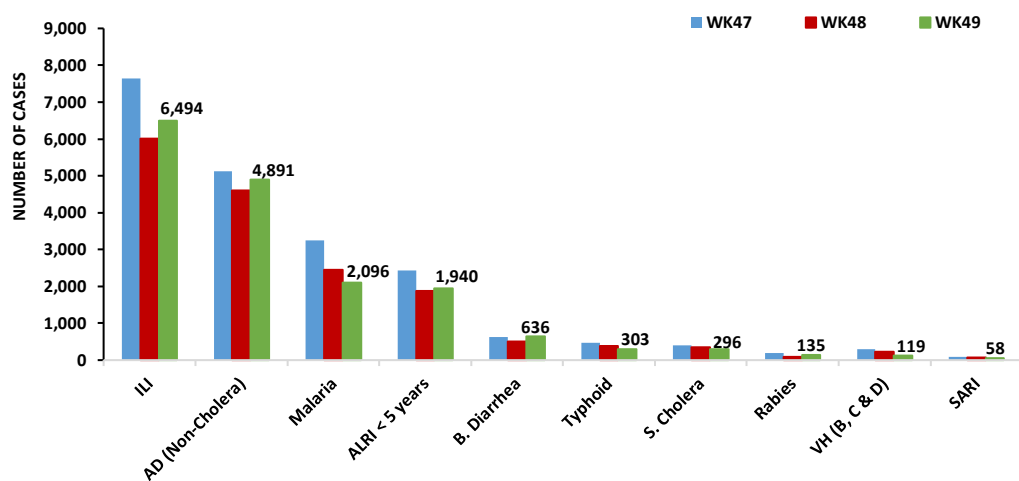
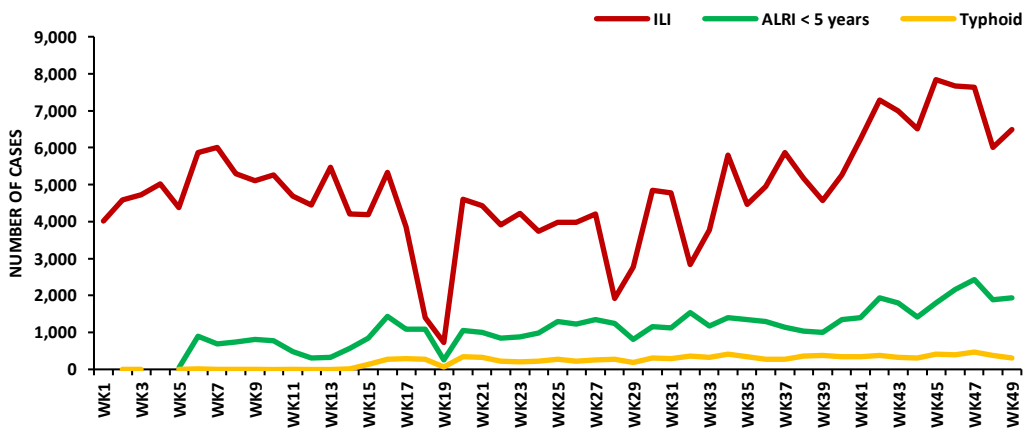


Table 2: District wise distribution of most frequently reported cases during week 49, Sindh

Diseases	Ghotki	Hyderabad	Kamber	Karachi East	Karachi Malir	Larkana	Naushahro Feroze	Shikarpur	Tharparkar	Thatta	Total
ILI	169	3,931	0	15	423	5	602	0	1,247	102	6,494
AD (Non-Cholera)	226	1,414	845	158	607	358	209	77	953	44	4,891
Malaria	68	70	450	30	49	328	279	93	586	143	2,096
ALRI <5 years	239	314	228	9	425	174	96	6	434	15	1,940
B. Diarrhea	74	160	116	6	68	58	14	42	93	5	636
Typhoid	21	21	95	1	45	31	30	0	56	3	303
S. Cholera	77	97	112	0	7	2	0	0	0	1	296
Rabies / Dog bite	41	2	64	0	12	5	1	6	4	0	135
VH (B, C & D)	22	32	35	0	15	10	2	0	3	0	119
SARI	11	21	4	0	13	0	0	0	6	3	58
AVH (A & E)	6	6	9	2	0	15	1	0	9	0	48
Dengue	0	19	0	0	12	0	0	0	11	0	42
Measles	11	12	1	1	0	0	0	1	4	0	30
Gonorrhea	0	8	1	0	1	0	1	0	0	0	11
HIV/AIDS	0	1	0	0	0	6	0	0	0	0	7
Chickenpox	0	1	0	1	4	0	0	0	0	0	6
Pertussis	0	NR	0	0	0	2	0	0	0	1	3
AFP	1	NR	0	0	0	0	0	0	1	0	2

Figure 3: Week wise reported cases of ILI, ALRI <5 years & Typhoid, Sindh



Balochistan

- From Balochistan overall ILI (n=3,687), AD (Non Cholera) (n=1,293), Malaria (n=637), SARI (n=432), ALRI <5 years (n=252), B. diarrhea (n=232), Typhoid (n=194), CL (n=140), S. Cholera (n=71) & Gonorrhea (n=32) remained at maximum.
- District Gwadar reported cases of ILI, AD (Non Cholera) & Malaria at maximum.
- District Kech reported maximum cases of ILI & AD (Non-Cholera).
- District Khuzdar reported maximum cases of ILI, AD (Non-Cholera) & Malaria.
- District Killa Abdullah reported maximum cases of ILI & AD (Non Cholera).
- District Lasbella reported maximum cases for Malaria, AD (Non-Cholera), ALRI <5 years & SARI.
- District Pishin reported cases for ILI at maximum.
- District Quetta reported maximum cases for ILI & AD (Non-Cholera).
- Sibi reported maximum cases of ILI, AD (Non Cholera) & Malaria.
- District Zhob reported maximum cases of SARI & ILI.
- Cases of VPDs have been regularly reported, and therefore, needs strengthening of routine immunization system.
- Cases of Gonorrhea reported from different districts need urgent attention and differential diagnosis for proper follow up and treatment
- In comparison with last week, cases of SARI & ALRI <5 years have shown an upward trend whereas ILI cases have been declined.

Figure 4: Most frequently reported cases during week 49, in comparison with previous weeks, Balochistan

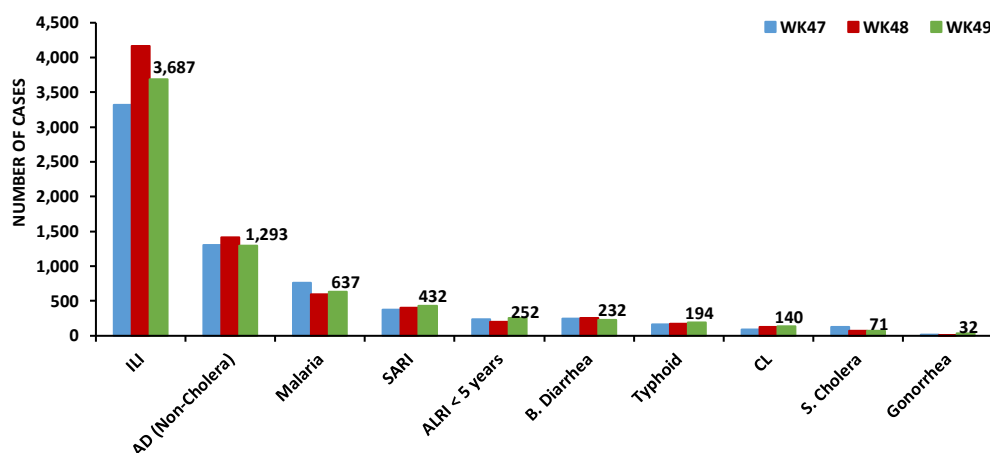
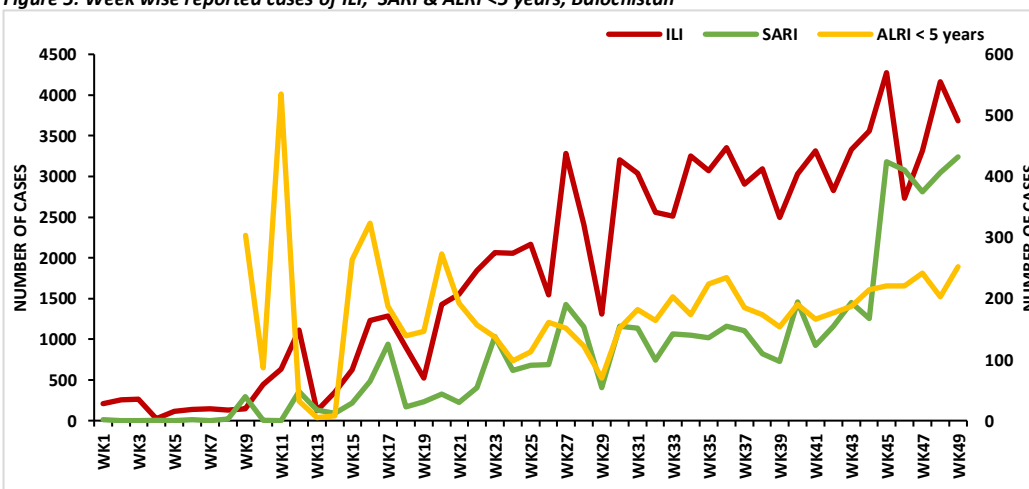


Table 3: District wise distribution of most frequently reported cases during week 49, Balochistan

Diseases	Gwadar	Kech (Turbat)	Khuzdar	Killa Abdullah	Lasbella	Pishin	Quetta	Sibi	Zhob	Total
ILI	953	815	148	297	70	332	442	386	244	3,687
AD (Non-Cholera)	216	173	108	147	205	24	208	142	70	1,293
Malaria	95	40	82	20	254	9	24	87	26	637
SARI	NR	28	20	0	111	4	0	14	255	432
ALRI < 5 years	10	36	6	0	117	22	0	45	16	252
B. Diarrhea	27	27	47	0	19	29	25	25	33	232
Typhoid	6	4	68	6	27	24	23	20	16	194
CL	NR	0	12	38	23	15	46	6	0	140
S. Cholera	NR	0	1	0	27	2	15	24	2	71
Gonorrhea	NR	0	17	0	0	4	0	8	3	32
Rabies / Dog bite	NR	0	20	1	4	4	0	2	0	31
Pertussis	NR	0	11	0	4	2	0	6	2	25
Measles	NR	0	7	5	5	5	0	0	0	22
Mumps	NR	0	2	0	2	4	0	5	0	13
Chickenpox	NR	0	1	0	6	0	0	1	2	10
VH (B, C & D)	NR	2	3	0	2	0	0	0	0	7
Dengue	NR	2	0	0	0	0	0	0	0	2
Leprosy	NR	0	0	0	0	0	0	0	2	2

Figure 5: Week wise reported cases of ILI, SARI & ALRI <5 years, Balochistan



Khyber Pakhtunkhwa (KP)

- KP reported cases of ILI (n=3,972), AD (Non Cholera) (n=3,700), SARI (n=2,423), Malaria (n=1,124), ALRI <5 years (n=810), Typhoid (n=377), B. diarrhea (n=192), suspected Cholera (n=163), Rabies/Dog bite (n=140) & Measles (n=81) at maximum.
- District Abbottabad reported maximum cases of AD (Non-Cholera).
- District Charsadda reported maximum cases of AD (Non-Cholera) & Malaria.
- District Haripur reported maximum cases of ILI, AD (Non-Cholera) & ALRI <5 years.
- District Kohat reported maximum cases of ILI, SARI, AD (Non Cholera), & Malaria.
- District Lakki Marwat reported maximum cases of Malaria, AD (Non-Cholera) & ALRI <5 years.
- District Malakand reported maximum cases of AD (Non Cholera) & ILI.
- District Swabi reported maximum cases of SARI, AD (Non Cholera), ILI, ALRI <5 years & Rabies/Dog bite.
- District Swat reported maximum cases of ILI, SARI, AD (Non Cholera) & Typhoid.
- Increased cases of VPDs e.g. Measles, Mumps, Pertussis, Diphtheria & Chickenpox have been regularly reported warrant immediate attention and action to reduce morbidity and mortality associated with these illnesses.
- Cases of AFP & HIV/AIDS have been reported which need verification and further workup accordingly.
- Weekly cases of ILI, SARI & ALRI <5 years cases depicted a decline in trend as compared to the last week i.e. week 48

Figure 6: Most frequently reported cases during week 49, in comparison with previous weeks, KP

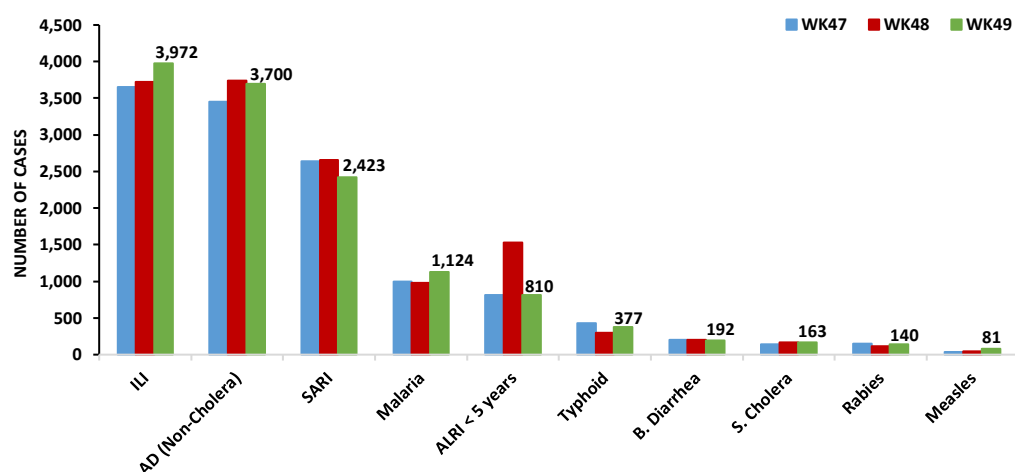
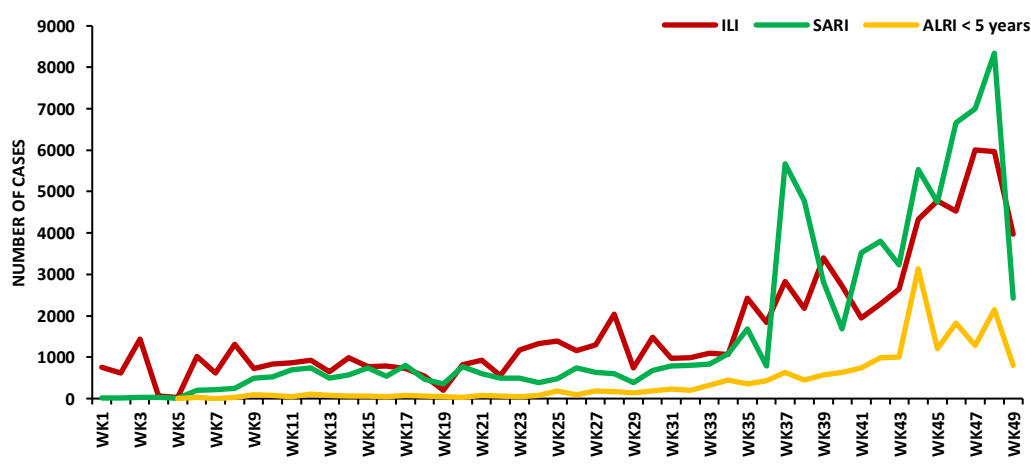


Table 4: District wise distribution of most frequently reported cases during week 49, KP

Diseases	Abbottabad	Charsadda	Haripur	Kohat	Lakki Marwat	Malakand	Swabi	Swat	Total
ILI	2	68	1,269	541	85	34	390	1,583	3,972
AD (Non-Cholera)	349	446	803	265	342	58	496	941	3,700
SARI	34	52	82	350	16	5	609	1,275	2,423
Malaria	0	234	21	114	645	14	28	68	1,124
ALRI < 5 years	11	6	161	43	198	0	305	86	810
Typhoid	9	66	73	19	53	0	47	110	377
B. Diarrhea	1	19	28	38	3	2	6	95	192
S. Cholera	1	2	44	25	0	0	47	44	163
Rabies / Dog bite	0	0	0	17	35	0	78	10	140
Measles	0	0	34	1	8	0	0	38	81
VH (B, C & D)	0	0	0	26	0	0	26	0	52
Chickenpox	0	0	12	2	1	1	26	7	49
Dengue	0	0	14	13	17	0	1	0	45
Pertussis	0	0	0	2	0	0	5	33	40
Mumps	0	0	2	0	15	1	0	14	32
Diphtheria	0	0	0	0	0	0	0	12	12
AFP	0	0	2	1	1	0	1	1	6
HIV/AIDS	0	0	2	0	0	0	0	0	2

Figure 7: Week wise reported cases ILI, SARI & ALRI <5 years, KP



Islamabad (ICT)

- From ICT, the most frequent reported diseases were ALRI <5 years (n=181), AD (Non-Cholera) (n=176), ILI (n=135), SARI (n=117), B. diarrhea (n=07), Chickenpox (n=02), Malaria (n=01) & Mumps (n=01).

- During this week, a decrease in trend was observed for cases of ILI & ALRI <5 years as compared to last week i.e. Week 48.

(Note: ICT started reporting data on new format; therefore, data before week-26 is not shown in trend graph).

Figure 8: Most frequently reported cases during week 49, in comparison with previous weeks, ICT

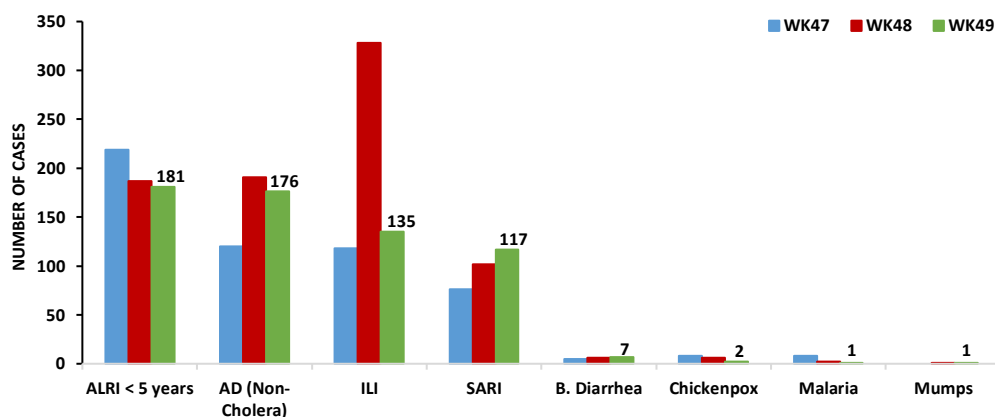
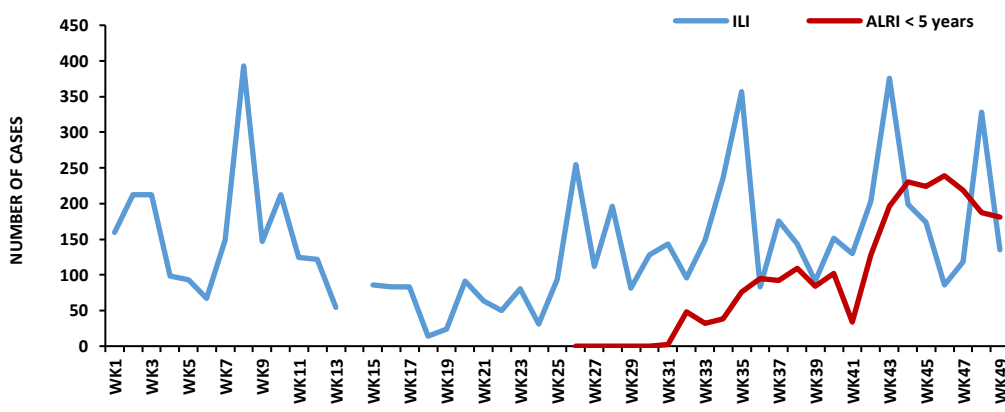


Figure 9: Week wise reported cases of ILI & ALRI <5 years, ICT



Gilgit Baltistan

- Gilgit-Baltistan reported cases of ILI (n=54), ALRI <5 years (n=14), SARI (n=09), B. diarrhea (n=07), AD (Non Cholera) (n=05), suspected Cholera (n=04) & Typhoid (n=01) this week.

- Weekly trend for cases of ILI have shown a sharp rise while cases of ALRI <5 years depicted an abrupt decline as compared to previous week i.e. Week-48.

(Note: GB started reporting data on new format, therefore, data before week-15 is not shown in trend graph)

Figure 10: Most frequently reported cases during week 49, in comparison with previous weeks, GB

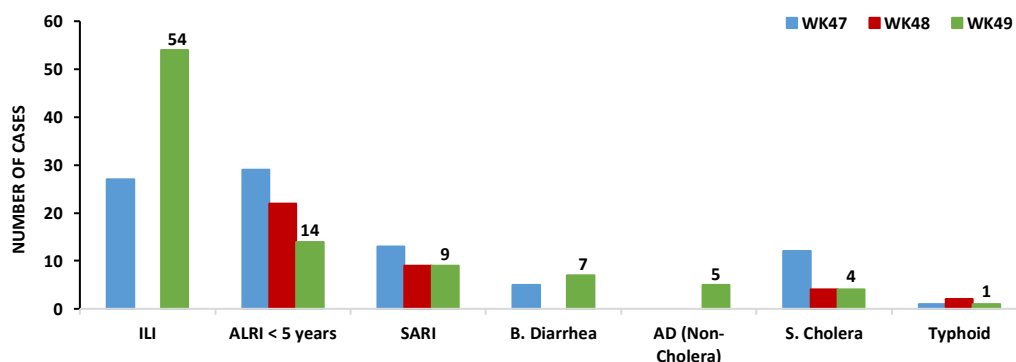
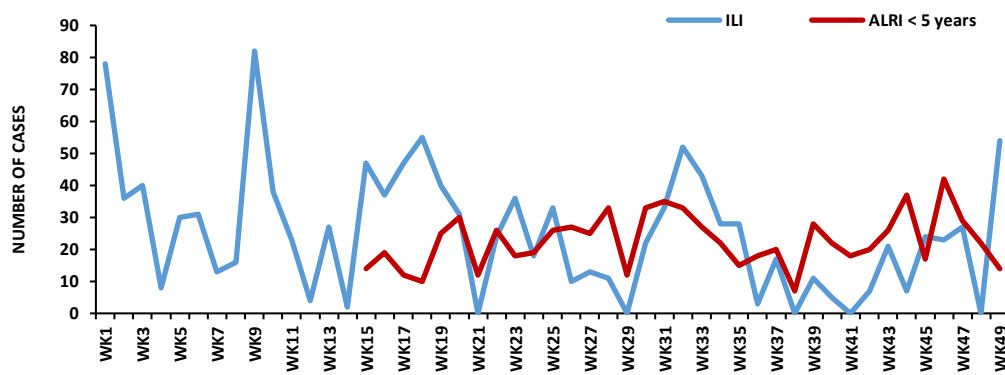


Figure 11: Week wise reported cases of ILI & ALRI <5 years, GB



AJK

- District Mirpur reported cases of ILI & ALRI <5 years at maximum this week.
- Weekly trend of ILI cases showing a sharp decline whereas cases of ALRI <5 years are going up as compared to last week.

IDSR Participating Districts

- This week 16% (05/32) of districts reported hundred percent (%) data. Districts are Lakki Marwat, CDA (Islamabad), Kech, Khuzdar & Nagar.
- District Umerkot did not report data this week.

Figure 12: Week wise reported cases of ILI & ALRI <5 years, AJK

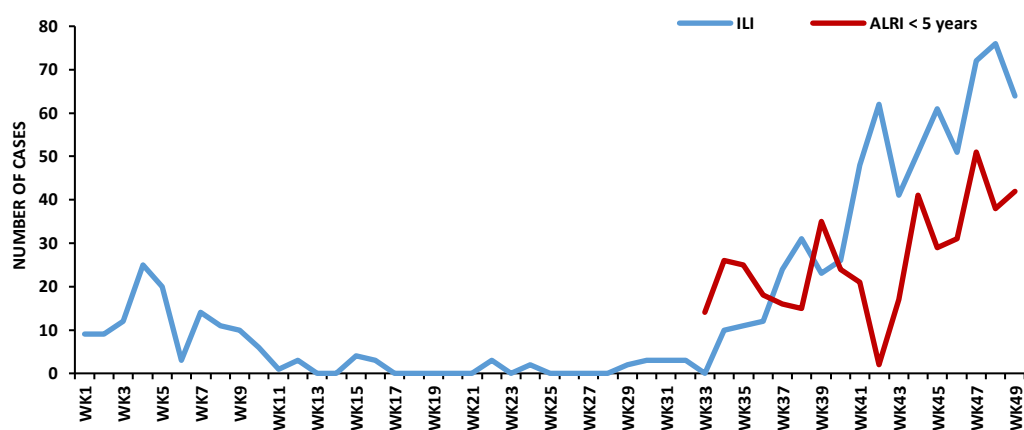


Table 5: IDSR reporting districts

Province	Districts	Total Number of Reporting Sites (ARS/Total)	Total Number of Sites that Reported (%)
Khyber Pakhtunkhwa	Haripur	69/69	64(93%)
	Kohat	59/59	57(97%)
	Abbottabad	110/110	88(80%)
	Charsadda	61/61	52(86%)
	Lakki Marwat	49/49	49(100%)
	Swat	77/77	53 (69%)
	Malakand	78/78	04(05%)
	Swabi	63/63	56(89%)
Azad Jammu Kashmir	Mirpur	37/37	32(87%)
Islamabad Capital Territory	ICT	18/18	13(72%)
	CDA	9/12	9(100%)
Balochistan	Gwadar	24/24	19 (79%)
	Kech	43/78	43(100%)
	Khuzdar	20/136	20 (100%)
	Killa Abdullah	28/50	23(82%)
	Lasbella	83/83	81 (98%)
	Pishin	23/118	11 (49%)
	Quetta	22/77	18 (82%)
	Sibi	42/42	41 (98%)
	Zohb	37/37	18 (49%)
Gilgit Baltistan	Hunza	30/30	28(93%)
	Nagar	05/22	05(100%)
Sindh	Hyderabad	63/63	58 (92%)
	Karachi-East	14/14	13(93%)
	Karachi-Malir	43/43	34 (79%)
	Ghotki	58/58	30(52%)
	Umerkot	30/118	0
	Naushahro Feroze	52/52	25 (48%)
	Tharparkar	85/236	78(92%)
	Shikarpur	32/32	13 (41%)
	Thatta	27/50	05(19%)
	Larkana	149/149	32 (22%)
	Kamber	101/101	60 (59%)

*percentage = {Sites Reported data/Agreed Reporting Sites (ARS)}*100