



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)

09th September 2021

Highlights of the Epi-Week 35 (30th August – 05th September 2021)

Cumulative Information:

- During this week, maximum cases reported were of ILI, Acute Diarrhea (Non Cholera), Malaria, SARI, ALRI <5 years, Typhoid, B. diarrhea, suspected Cholera, Viral Hepatitis (B, C & D) and Rabies/ Dog bite.
- In comparison with previous week i.e. Week-34, SARI cases have shown an increasing trend whereas rest of diseases like ILI, AD (Non Cholera), Malaria, B. diarrhea & Viral Hepatitis (B, C & D) declined or remained the same.
- This week all CL are reported from Balochistan which need urgent attention, thorough investigation and response accordingly.
- Cases of AVH (A & E) have been reported from Sindh and GB. Multisector coordination can address this issue.
- Dengue fever cases were reported mostly from Sindh and KP which need public health response along with vector surveillance to control further spread of illness.
- Most of Measles and Chickenpox cases were reported from Balochistan & KP, therefore routine immunization needs to be strengthened in order to decrease the disease burden of VPDs.

Figure 1: Most frequently reported cases during week 35, in comparison with pervious weeks, Pakistan

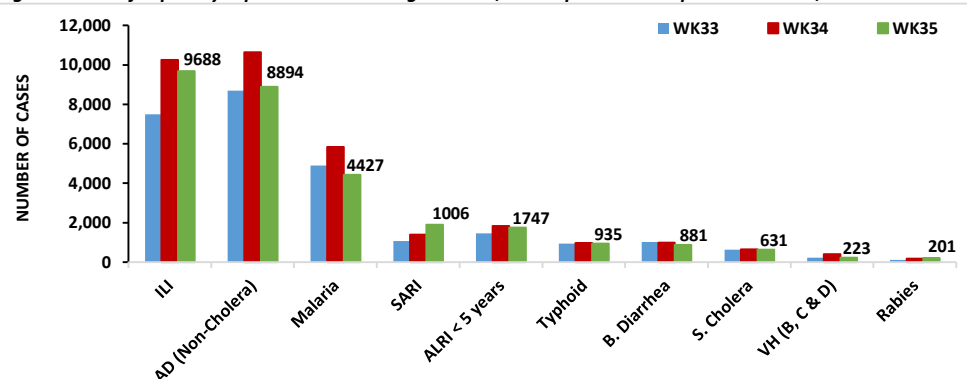


Table 1: Province/Area wise distribution of most frequently reported cases during week 35, Pakistan

Diseases	AJK	Balochistan	GB	ICT	Sindh	KP	Total
ILI	11	3,073	28	357	4,189	2,030	9,688
AD (Non-Cholera)	58	1,669	69	291	3,333	3,474	8,894
Malaria	2	937	0	42	1,494	1,952	4,427
SARI	0	136	5	45	84	736	1,006
ALRI < 5 years	25	224	15	76	1,078	329	1,747
Typhoid	2	206	49	6	224	448	935
B. diarrhea	11	396	25	6	222	221	881
S. Cholera	1	111	2	8	310	199	631
VH (B, C & D)	1	9	0	0	213	0	223
Rabies/ Dog bite	0	24	3	0	77	97	201
CL	0	117	0	0	0	0	117
Measles	0	28	0	0	2	16	46
AVH (A & E)	0	5	13	1	20	0	39
Dengue	0	1	0	0	16	14	31
Chickenpox	0	6	0	1	0	21	28

Point of Attention

- There is a need to verify cases of ILI and ALRI <5 years country wide, and to initiate response activities.
- AD (Non-Cholera), suspected Cholera and Typhoid cases reported from Balochistan, KP, Sindh, and GB needs spot mapping for identification of affected areas, and implementation of response activities.
- It is proposed to enhance community awareness on water, sanitation and hygiene (WASH) practices especially for food and water borne diseases which are regularly reporting from districts.
- Cases of vaccine preventable diseases are being reported every week. Vigilant monitoring, alert verification, outbreak investigation, and coordination with EPI needs to be strengthened to reduce the cases.
- To prevent further rise in cases of Dengue fever across country, there is a need to closely monitor Dengue fever cases, larva density, and implement public health response activities in hotspot areas.
- High number of cases of CL were reported from Balochistan. Close coordination between health and vector control departments needs to be strengthened to measure the burden of new cases and control of vector for further spread of CL.

Sindh

- Sindh reported maximum cases of ILI (n=4,189), AD (Non Cholera) (n=3,333), Malaria (n=1,494), ALRI <5 Years (n=1,078), suspected Cholera (n=310), Typhoid (n=224), B. diarrhea (n=222), VH (B, C & D) (n=213), SARI (n=84) & Rabies/ Dog bite (n=77).
- District Ghotki reported the maximum cases of ILI, ALRI <5 years, AD (Non Cholera), VH (B, C, & D) and Rabies/ Dog bite.
- District Hyderabad reported maximum cases of ILI, AD (Non Cholera), ALRI <5 years, suspected Cholera, Malaria, VH (B, C & D), B. diarrhea and SARI.
- From Karachi East, maximum cases reported were of AD (Non-Cholera) and Malaria.
- From Karachi Malir, maximum cases reported were of AD (Non-Cholera), ILI, ALRI <5 years, Malaria, Typhoid and suspected Cholera.
- Shikarpur reported maximum cases of ALRI <5 years, AD (Non-Cholera) and Malaria.
- From Tharparkar, maximum cases of AD (Non-Cholera), Malaria, ILI, ALRI <5 years, Typhoid and B. diarrhea were reported.
- From Thatta, maximum cases of Malaria, ILI, AD (Non-Cholera), ALRI <5 and VH (B, C & D) were reported.
- Cases of Brucellosis were reported from Thatta & Karachi Malir which need immediate verification, epidemiological investigation and coordination between health and livestock department for response.
- District Thatta has reported 05 cases of HIV/ AIDS which need urgent and focused attention & further work up accordingly.
- This week, decrease in case trend observed for Malaria, ILI and AD (Non Cholera) as compared to previous week.
- Routine immunization needs to be strengthened to decrease disease burden of VPDs.

(Note: NR= Not Reported)

Figure 2: Most frequently reported cases during week 35, in comparison with pervious weeks, Sindh

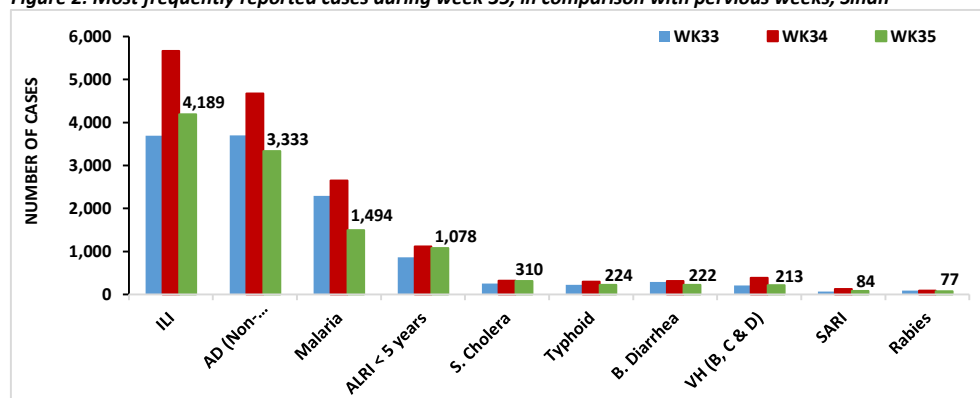
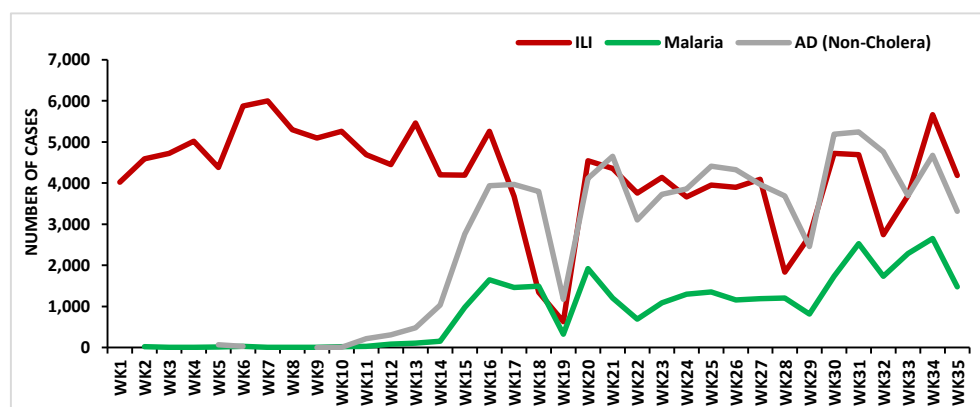


Table 2: District wise distribution of most frequently reported cases during week 35, Sindh

Diseases	Ghotki	Hyderabad	Karachi East	Karachi Malir	Shikarpur	Tharparkar	Thatta	Total
ILI	339	2,325	3	337	0	694	491	4,189
AD (Non-Cholera)	120	1,022	193	577	16	917	488	3,333
Malaria	15	83	46	55	16	720	559	1,494
ALRI < 5 years	201	209	1	200	45	240	182	1,078
S. Cholera	46	206	0	41	0	0	17	310
Typhoid	17	7	0	51	0	122	27	224
B. Diarrhea	27	47	5	23	2	109	9	222
VH (B, C & D)	85	50	0	1	0	9	68	213
SARI	9	41	0	3	0	14	17	84
Rabies	51	NR	0	0	0	6	20	77
Brucellosis	0	NR	0	5	0	0	12	17
Meningitis	0	NR	0	0	0	8	1	9
HIV/ AIDS	0	NR	0	0	0	0	5	5
Pertussis	0	0	0	3	0	0	0	3

Figure 3: Week wise reported cases of ILI, AD (Non-Cholera) & Malaria, Sindh



Balochistan

- From Balochistan overall ILI (n=3,073), AD (Non Cholera) (n=1,669), Malaria (n=937), B. diarrhea (n=396), ALRI <5 years (n=224), Typhoid (n=206), SARI (n=136), CL (n=117), S. Cholera (n=111), Measles (n=28), Rabies/ Dog bite (n=24), Pertussis (n=04), CCHF (n=04) and Leprosy (n=03) remained at maximum.
- District Gwadar reported maximum cases of ILI, AD (Non Cholera), Malaria & B. diarrhea.
- District Kech reported maximum cases of ILI, AD (Non-Cholera), Malaria, ALRI <5 years, B. diarrhea, SARI and Typhoid.
- District Khuzdar reported maximum cases of ILI, AD (Non-Cholera), Malaria, B. diarrhea, Typhoid & suspected Cholera.
- District Killa Abdullah reported most cases of ILI, AD (Non-Cholera) & CL.
- District Lasbella reported maximum cases for Malaria, AD (Non-Cholera), ALRI <5 years, ILI and SARI.
- District Pishin reported more cases for ILI, AD (Non-Cholera), B. diarrhea and Typhoid.
- District Quetta reported maximum cases for ILI, AD (Non-Cholera) & B. diarrhea.
- Suspected Cholera cases are regularly reported from most of the districts need immediate verification, epidemiological investigations, and response activities.
- Cases of Pertussis, CCHF, Measles, and Leprosy need immediate verification, epidemiological investigation and response.
- In comparison with last week, ILI cases showed a downward trend while cases of AD (Non Cholera) remained same.
- Routine Immunization needs to be strengthened to decrease the burden of VPDs.

Figure 4: Most frequently reported cases during week 35, in comparison with previous weeks, Balochistan

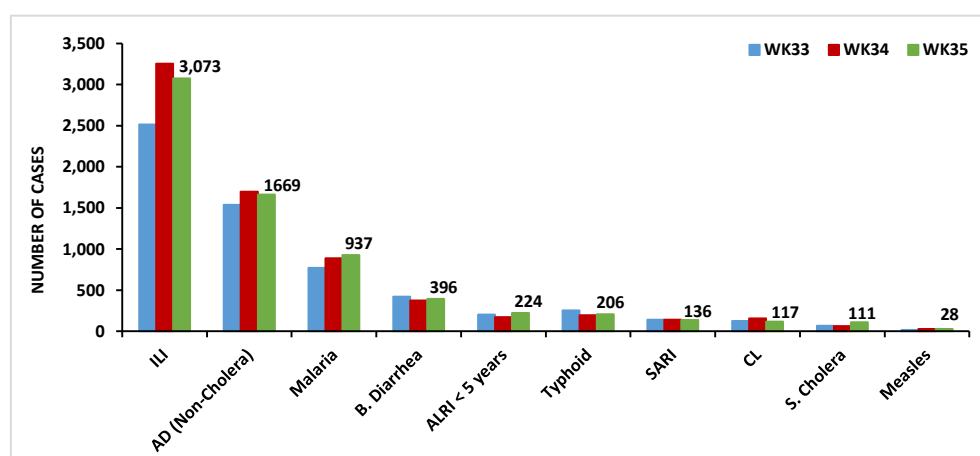
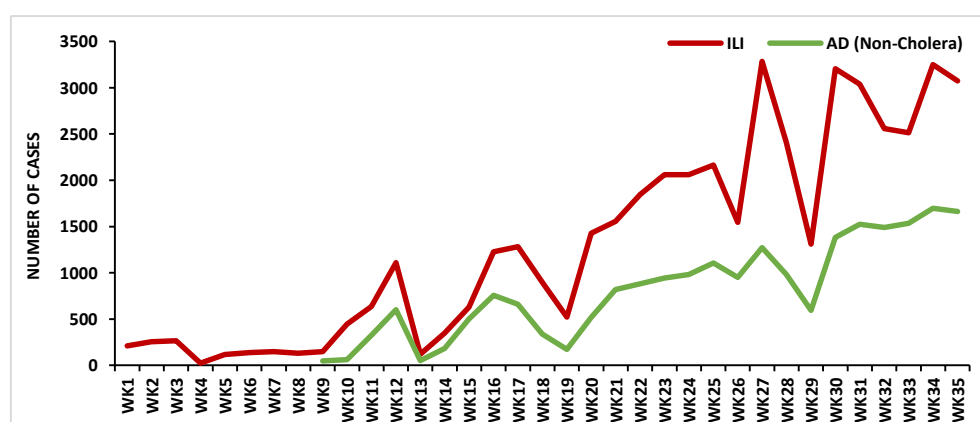


Table 3: District wise distribution of most frequently reported cases during week 35, Balochistan

Diseases	Gwadar	Kech (Turbat)	Khuzdar	Killa Abdullah	Lasbella	Pishin	Quetta	Total
ILI	475	1,370	197	235	61	176	559	3,073
AD (Non-Cholera)	237	500	97	147	250	164	274	1,669
Malaria	89	429	96	11	266	32	14	937
B. diarrhea	36	76	64	NR	30	111	79	396
ALRI < 5 years	6	78	30	NR	78	32	0	224
Typhoid	3	32	50	7	12	78	24	206
SARI	1	69	13	NR	52	1	0	136
CL	NR	0	8	36	14	26	33	117
S. Cholera	NR	25	41	NR	25	17	3	111
Measles	NR	0	13	14	1	0	0	28
Rabies	NR	0	8	NR	10	6	0	24
Pertussis	NR	0	4	NR	0	0	0	4
CCHF	NR	0	4	NR	0	0	0	4
Leprosy	NR	3	0	NR	0	0	0	3

Figure 5: Week wise reported cases of ILI & AD (Non-Cholera), Balochistan



Khyber Pakhtunkhwa (KP)

- KP reported cases of AD (Non Cholera) (n=3,474), ILI (n=2,030), Malaria (n=1,952), SARI (n=736), Typhoid (n=448), ALRI <5 years (n=329), B. diarrhea (n=221), S. Cholera (n=199), Rabies/ Dog bite (n=97) and AVH (A & E) (n=50).
- District Abbottabad reported maximum cases of AD (Non-Cholera), Typhoid & SARI.
- District Charsadda reported maximum cases of Malaria, AD (Non-Cholera), SARI, Typhoid, ILI, B. diarrhea and suspected Cholera.
- District Haripur reported maximum cases of ILI, AD (Non-Cholera), suspected Cholera, ALRI <5 years, Typhoid, Rabies/ Dog bite, SARI, B. diarrhea and Malaria.
- District Kohat reported maximum cases of AD (Non Cholera), ILI, SARI and Malaria.
- District Lakki Marwat reported maximum cases of Malaria, AD (Non-Cholera), ALRI <5 years and Typhoid.
- Weekly cases of AD (Non Cholera) and ILI have shown an upward trend while Malaria cases depicted a slight decrease in trend as compared to previous week i.e. 34.
- Cases of Chickenpox and Measles have been reported persistently indicating to strengthen the routine immunization so that the disease burden of VPDs can be decreased.
- Cases of Dengue, Chikungunya & Brucellosis have been reported from district Haripur which needs immediate verification, epidemiological investigation and public health response accordingly.

Figure 6: Most frequently reported cases during week 35, in comparison with pervious weeks, KP

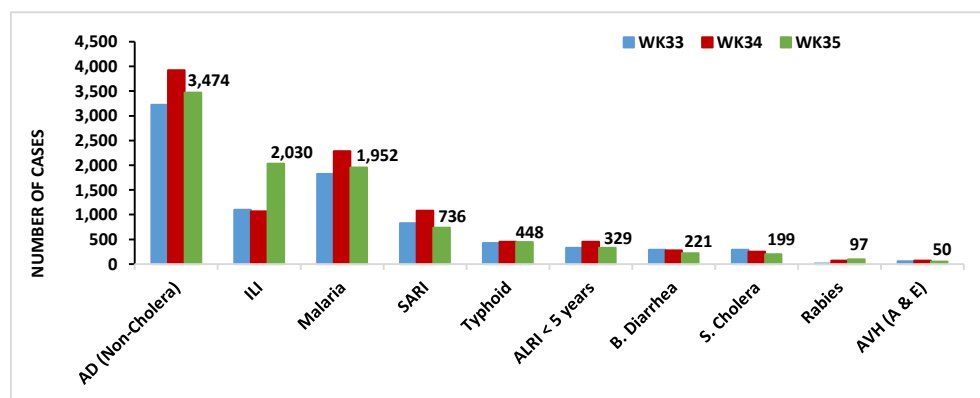
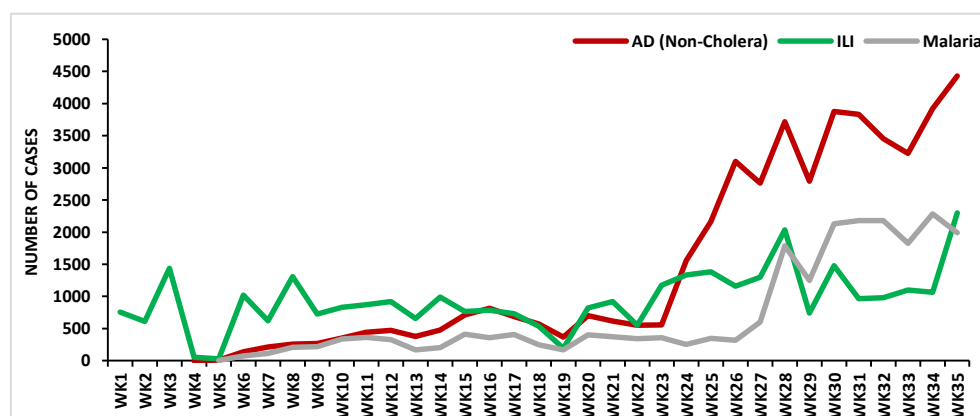


Table 4: District wise distribution of most frequently reported cases during week 35, KP

Diseases	Abbottabad	Charsadda	Haripur	Kohat	Lakki Marwat	Total
AD (Non-Cholera)	842	810	1,234	261	327	3,474
ILI	0	132	1,629	231	38	2,030
Malaria	2	1,441	68	96	345	1,952
SARI	119	396	73	144	4	736
Typhoid	125	170	85	25	43	448
ALRI < 5 years	22	54	89	26	138	329
B. Diarrhea	14	98	72	18	19	221
S. Cholera	8	88	89	14	0	199
Rabies	0	0	81	0	16	97
AVH (A&E)	10	13	27	0	0	50
Chickenpox	0	5	16	0	0	21
Measles	0	1	4	0	11	16
Dengue	4	0	10	0	0	14
Chikungunya	0	0	12	0	0	12
Brucellosis	0	0	9	0	0	9

Figure 7: Week wise reported cases of ILI, AD(Non-Cholera), & Malaria, KP



Islamabad (ICT)

- From ICT, the most frequent reported diseases were ILI (n=357), AD (Non-Cholera) (n=291), ALRI <5 years (n=76), SARI (n=45), Malaria (n=42), S. Cholera (n=08), followed by B. Diarrhea (n=06), Typhoid (n=06), AVH (A&E) (n=01) and Chickenpox (n=01).
- During this week, a sharp incline was observed for cases of AD (Non Cholera) and ILI as compared to previous week i.e. week 34.
- Routine Immunization needs to be strengthened to decrease disease burden of VPDs.

Figure 8: Most frequently reported cases during week 35, in comparison with pervious weeks, ICT

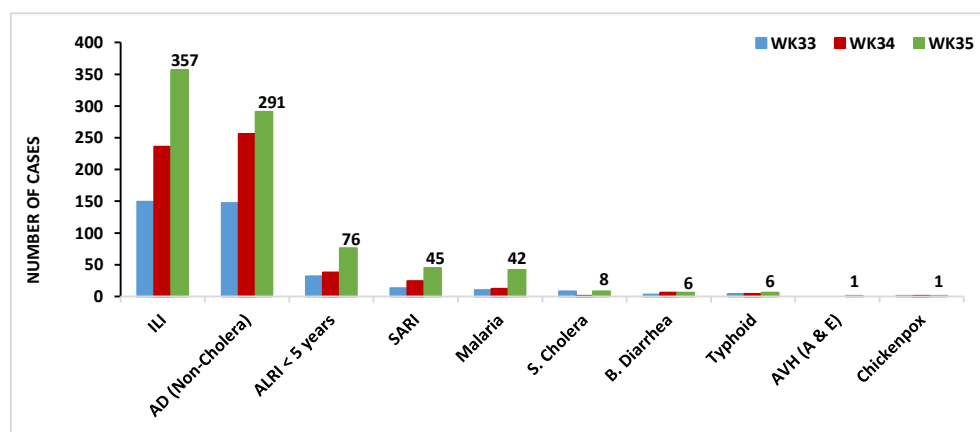


Figure 9: Week wise reported cases of ILI and AD (Non cholera), ICT

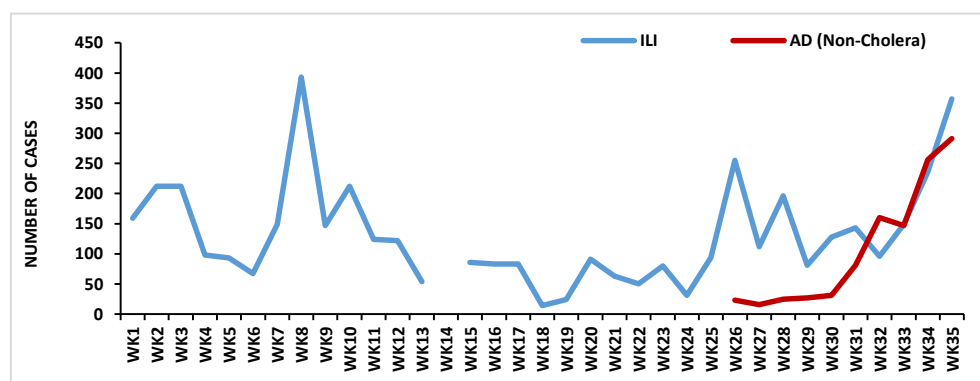


Figure 10: Most frequently reported cases during week 35, in comparison with pervious weeks, GB

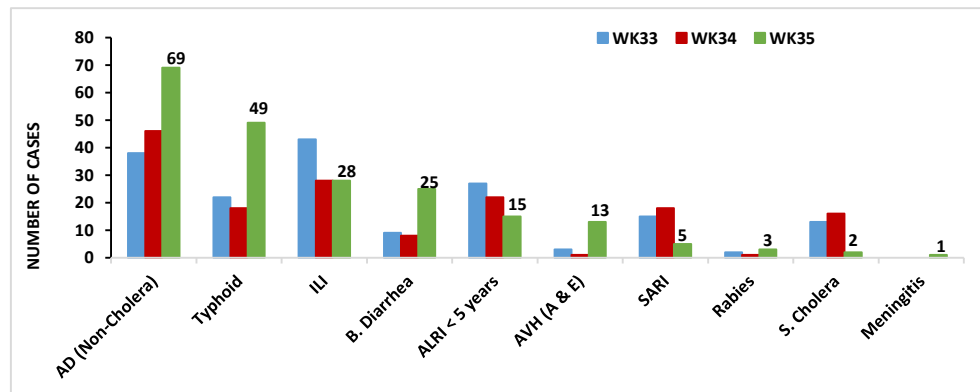
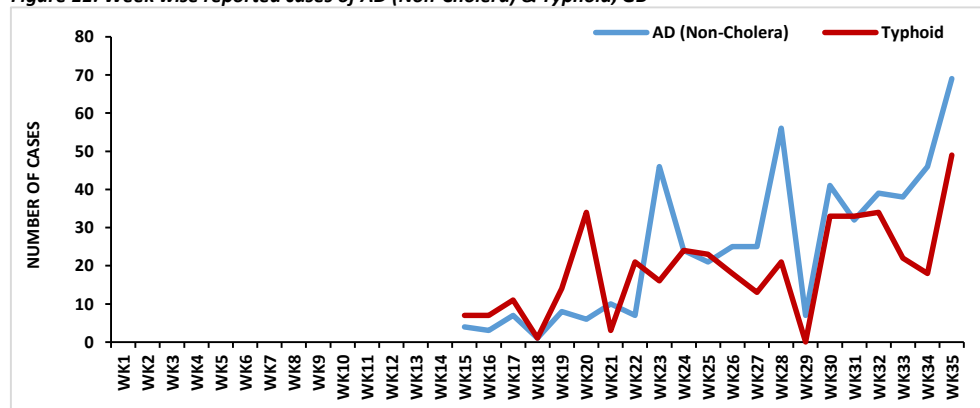


Figure 11: Week wise reported cases of AD (Non-Cholera) & Typhoid, GB



Gilgit Baltistan

- Gilgit-Baltistan reported cases of AD (Non-Cholera) (n=69), Typhoid (n=49), ILI (n=28), B. diarrhea (n=25), ALRI <5 years (n=15), AVH (n=13), SARI (n=05), Rabies/ Dog bite (n=03), S. Cholera (n=02) and Meningitis (n=01) this week.
- Weekly trend shows a sharp incline in cases of AD (Non Cholera) and Typhoid as compared to previous week i.e. Week-34.

Azad Jammu & Kashmir

- From AJK, Mirpur reported AD (Non-Cholera) (n=58), ALRI <5 years (n=25), B. diarrhea (n=11), ILI (n=11), Malaria (n=02), Typhoid (n=02), suspected Cholera (n=01) and VH (B, C & D) (n=01).
- There was an upward trend in cases of AD (Non-Cholera) while cases of ALRI <5 years have shown a similar trend as compared to last week.

Figure 12: Most frequently reported cases during week 35, in comparison with pervious weeks, AJK

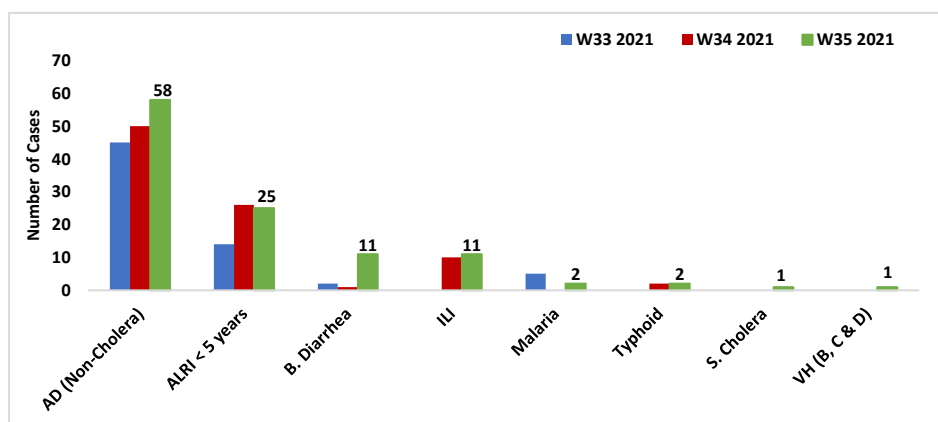
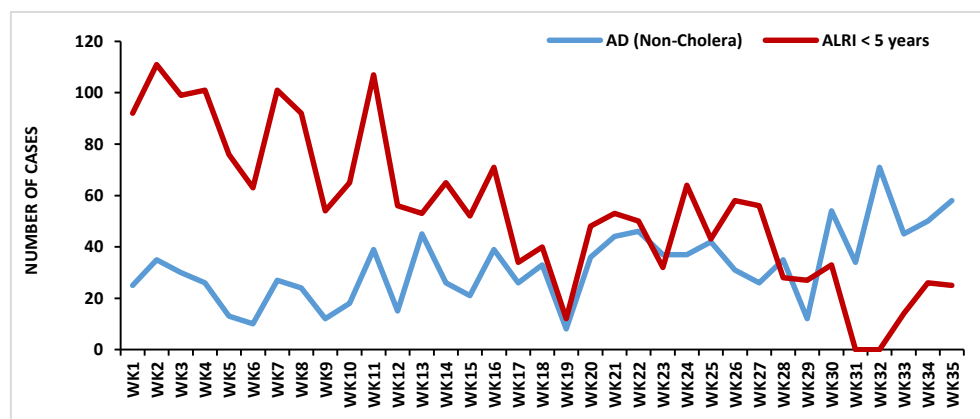


Figure 13: Week wise reported cases of AD (Non-Cholera) & ALRI <5 years, AJK



IDSR Participating Districts

- This week hundred percent (%) data reported from districts Haripur, Lakki Marwat, ICT, CDA, Kech, Killa Abdullah, Lasbella and Tharparkar.
- No data has been received from districts Swat, Naushahro Feroze and Umerkot.

Table 5: IDSR reporting districts

Province	Districts	Total Number of Reporting Sites (ARS/Total)	Total Number of Sites that Reported (%)
Khyber Pakhtunkhwa	Haripur	68/68	68(100%)
	Kohat	59/59	57(97%)
	Abbottabad	110/110	90(82%)
	Charsadda	61/61	48(78%)
	Lakki Marwat	39/39	39(100%)
	Swat	-	0
Azad Jammu Kashmir	Mirpur	37/37	25(68%)
Islamabad Capital Territory	ICT	18/18	18(100%)
	CDA	5/12	5(100%)
Balochistan	Gwadar	24/24	18(72%)
	Kech	40/78	40(100%)
	Khuzdar	19/136	17(90%)
	Killa Abdullah	20/50	20(100%)
	Lasbella	82/82	82(100%)
	Pishin	23/118	17(74%)
	Quetta	22/77	18(82%)
Gilgit	Hunza	30/30	27(90%)
	Nagar	22/22	11(50%)
Sindh	Hyderabad	63/63	55 (88%)
	Karachi-East	14/14	13(93%)
	Karachi-Malir	43/43	28(66%)
	Ghotki	58/58	8 (14%)
	Umerkot	30/118	0
	Naushahro Feroze	52/52	0
	Tharparkar	85/236	85(100%)
	Shikarpur	18/21	6(29%)
	Thatta	27/50	8(30%)

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