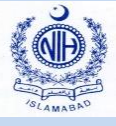




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Weekly Bulletin: Integrated Disease Surveillance and Response (IDSR)

03rd February 2022

Highlights of the Epi-Week-4 (24th – 30th January 2022)

Cumulative Information

- During this week, maximum cases reported were of ILI, Acute Diarrhea (Non Cholera), SARI, ALRI <5 years, Malaria, B. Diarrhea, Typhoid, suspected Cholera, Rabies/Dog bite, & VH (B, C & D).
- In comparison with previous week i.e. Week-03, cases of ILI & SARI are increased while remaining diseases depicted a downward or similar trend.
- Cases of VPDs reported from KP, Balochistan and Sindh need immediate attention of Immunization program to strengthen control the spread of VPDs.
- Cases of AFP have been reported from KP which need immediate verification and response accordingly.
- Cases of VH (B, C & D) and AVH (A&E) are regularly reported from Sindh & KP province need urgent attention to confirm and to implement control measures accordingly.
- Cases of Rabies/Dog bite are regularly reported. An immediate attention is required by adopting a multisectoral One-Health approach.
- Bloody diarrhea, suspected Cholera and Typhoid cases are also reported from KP, Sindh and Balochistan. Public health measures need to be implemented on priority basis.
- Reporting of HIV/AIDS cases from KP & Sindh needs immediate investigation and public health response.

Figure 1: Most frequently reported cases during week 4, in comparison with previous weeks, Pakistan

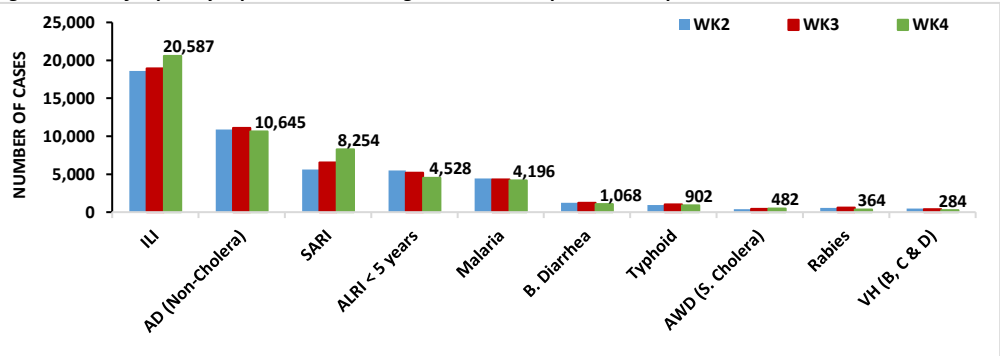


Table 1: Province/Area wise distribution of most frequently reported cases during week 4, Pakistan

Diseases	AJK	Balochistan	GB	ICT	KP	Punjab	Sindh	Total
ILI	81	4,534	18	1,023	6,178	121	8,632	20,587
AD (Non-Cholera)	66	1,496	20	162	4,327	95	4,479	10,645
SARI	14	839	8	10	7,288	20	75	8,254
ALRI < 5 years	45	639	17	243	1,885	126	1,573	4,528
Malaria	0	645	0	0	1,590	33	1,928	4,196
B. Diarrhea	7	330	4	8	186	14	519	1,068
Typhoid	0	309	3	2	368	12	208	902
AWD (S. Cholera)	0	187	3	3	149	31	109	482
Rabies / Dog bite	0	75	0	0	159	0	130	364
VH (B, C & D)	1	21	0	0	90	3	169	284
CL	0	94	0	0	10	0	2	106
Mumps	0	27	0	0	46	3	11	87
Pertussis	0	69	0	0	11	0	3	83
AVH (A & E)	1	3	0	0	56	0	22	82
Chickenpox/ Varicella	0	20	0	1	26	0	32	79
Measles	0	27	0	0	20	0	12	59
Rubella (CRS)	0	46	0	0	0	0	1	47
Gonorrhea	0	26	0	0	0	1	14	41
Meningitis	0	6	0	0	5	0	4	15
HIV/AIDS	0	0	0	0	12	0	2	14

Points of Attention

- Routine immunization is affected due to pandemic control activities, and regular Polio campaigns, resultantly cases of VPDs are increasing. **Therefore, strengthened coordination with EPI is needed for reduction in the cases.**
- Malaria, and Typhoid cases are continuously reported especially from Balochistan and Sindh. It is emphasized that hotspots areas should be identified for epidemiological investigations and timely response.**
- It is proposed to enhance community awareness on water, sanitation and hygiene (WASH) practices.
- STI cases especially Gonorrhoea, and Syphilis cases are regularly reported. These need investigation, and confirmation. Afterwards public health response actions need to be implemented in the affected areas.**
- Burden of zoonotic diseases including dog bite is increasing across Pakistan. There is need to conduct community awareness sessions regularly, and also prepare and implement a comprehensive Rabies control plan based on One Health approach at provincial level.
- 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=8,632), AD (Non Cholera) (n=4,479), Malaria (n=1,928), ALRI <5 Years (n=1,573), B. diarrhea (n=519), Typhoid (n=208), VH (B, C & D) (n=169), Rabies/ Dog bite (n=130), suspected Cholera (n=109), & SARI (n=75).
- District Ghotki reported the maximum cases of ILI & ALRI <5 years.
- District Hyderabad reported maximum cases of ILI, AD (Non Cholera), ALRI <5 years & B. diarrhea.
- District Kamber reported maximum cases of Malaria, AD (Non Cholera) & ALRI <5 years.
- From Karachi East, maximum cases reported were of AD (Non Cholera).
- From Karachi Malir, maximum cases reported were of AD (Non Cholera), ILI & ALRI <5 years.
- From Larkana, cases of Malaria & AD (Non Cholera) were reported at maximum.
- District Shikarpur reported AD (Non Cholera) & Malaria cases at maximum.
- From Tharparkar, maximum cases of ILI, AD (Non-Cholera), Malaria, ALRI <5 years & B. diarrhea were reported.
- From Thatta, cases of AD (Non Cholera), ALRI <5 years & Malaria were reported at maximum.
- There is a need to strengthen routine immunization to decrease disease burden of VPDs.
- This week, cases of ILI, ALRI <5 years & Typhoid declined as compared to previous week.
(Note: NR= Not Reported)

Figure 2: Most frequently reported cases during week 4, in comparison with previous weeks, Sindh

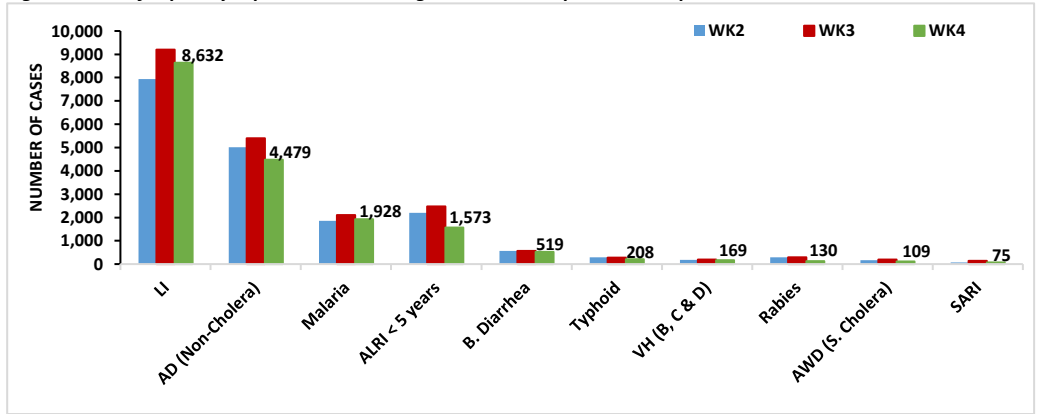
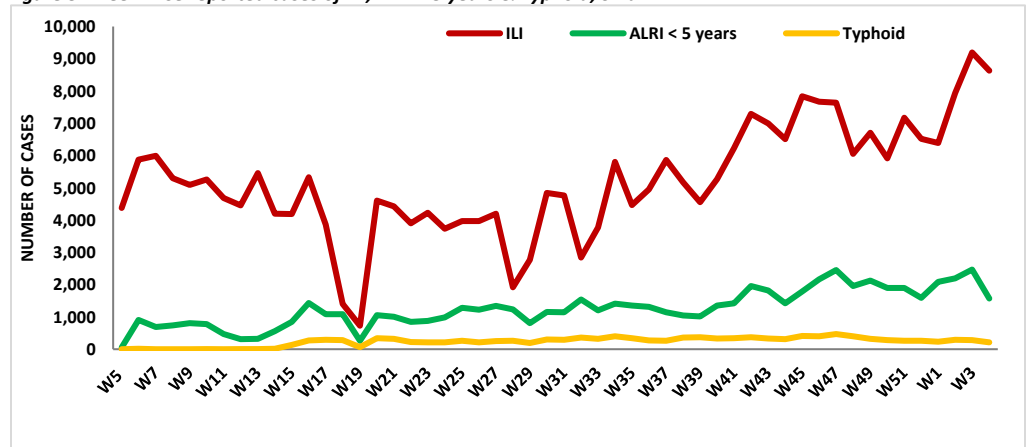


Table 2: District wise distribution of most frequently reported cases during week 4, Sindh

Districts	Ghot-ki	Hyder-abad	Kamb-er	Kar-East	Kar-Malir	Larkana	Shikar-pur	Tharparka	Thatta	Total
ILI	677	4,846	0	7	648	0	0	2,453	1	8,632
AD (Non-Cholera)	62	1,713	331	157	686	340	186	885	119	4,479
Malaria	6	23	389	17	71	662	123	551	86	1,928
ALRI <5 years	133	209	155	2	373	82	18	515	86	1,573
B. Diarrhea	36	132	82	2	73	51	25	95	23	519
Typhoid	10	11	39	0	56	30	0	50	12	208
VH (B, C & D)	51	36	14	1	7	13	4	20	23	169
Rabies / Dog bite	47	NR	0	0	37	0	39	7	0	130
AWD (S. Cholera)	21	37	0	0	38	7	0	0	6	109
SARI	0	20	0	0	32	6	4	13	0	75
Chickenpox/ Varicella	0	1	0	9	13	0	1	8	0	32
AVH (A & E)	0	11	0	0	0	0	0	11	0	22
Gonorrhea	0	6	0	0	4	2	0	2	0	14
Measles	0	2	2	0	2	0	1	3	2	12
Mumps	0	NR	0	2	6	0	0	2	1	11
Syphilis	0	NR	0	0	1	0	0	5	0	6
Dengue	0	1	0	0	2	0	0	2	0	5
Meningitis	0	NR	0	0	0	0	0	4	0	4
Pertussis	0	NR	2	0	0	0	0	0	1	3

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



Balochistan

- From Balochistan overall ILI (n=4,534), AD (Non Cholera) (n=1,496), SARI (n=839), Malaria (n=645), ALRI <5 years (n=639), B. diarrhea (n=330), Typhoid (n=309), S. Cholera (n=187), CL (n=94), & Rabies/Dog bite (n=75) remained at maximum.
- District Gwadar reported maximum cases of AD (Non Cholera).
- District Jaffarabad reported cases of AD (Non Cholera), Malaria, SARI, Typhoid & ALRI <5 years.
- District Kech reported cases of ILI, AD (Non Cholera), ALRI <5 years, SARI & Malaria at maximum.
- District Khuzdar reported maximum cases of ILI.
- District Killa Abdullah reported maximum cases of ILI & AD (Non Cholera).
- District Lasbella reported maximum cases for AD (Non-Cholera), Malaria & ALRI <5 years.
- District Pishin reported cases for ILI & ALRI <5 years at maximum.
- District Quetta reported maximum cases for ILI & AD (Non-Cholera).
- Sibi reported maximum cases of ILI & AD (Non Cholera).
- District Zhob reported maximum cases of SARI & ILI.
- Persistent reporting of Gonorrhoea cases needs investigation for differential diagnosis, follow up & treatment
- Cases of VPDs have been regularly reported, and therefore, needs strengthening of routine immunization system.
- In comparison with last week, cases of ILI, and SARI increased, while cases of ALRI <5 years depicted a similar trend.

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

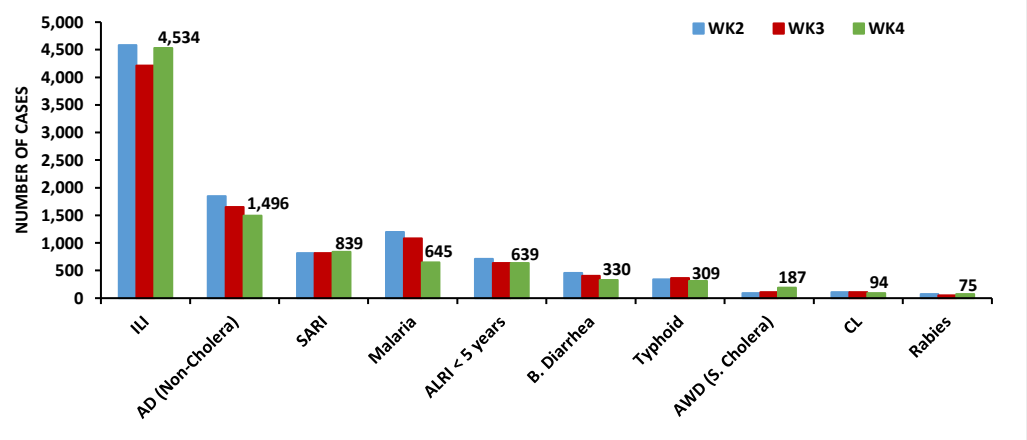
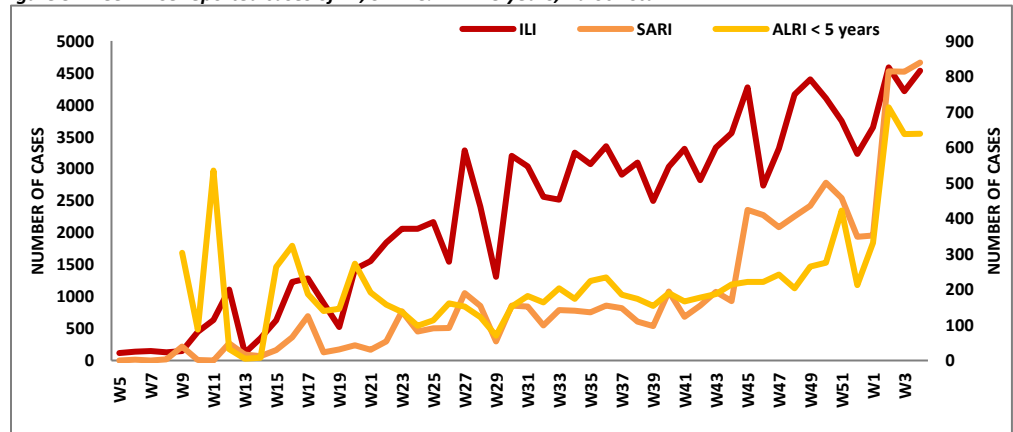


Table 3: District wise distribution of most frequently reported cases during week 4, Balochistan

Districts	Gwadar	Jaffarabad	Kech (Turbat)	Khuzdar	Killa Abdullah	Lasbella	Pishin	Quetta	Sibi	Zhob
ILI	NR	83	2,500	106	209	54	461	621	255	245
AD (Non-Cholera)	80	204	411	65	184	237	43	111	126	35
SARI	NR	197	115	35	NR	72	67	8	4	341
Malaria	34	199	97	29	13	173	7	4	40	49
ALRI < 5 years	NR	142	136	6	NR	151	169	0	16	19
B. Diarrhea	16	25	98	42	NR	19	35	37	28	30
Typhoid	33	157	10	22	2	21	20	19	11	14
AWD (S. Cholera)	59	0	11	NR	NR	10	22	60	15	10
CL	NR	8	0	5	11	46	12	5	7	0
Rabies /Dog bite	NR	23	1	17	2	14	7	0	9	2
Pertussis	NR	0	0	17	NR	0	45	0	0	7
Rubella (CRS)	NR	0	0	NR	NR	0	0	0	0	46
Mumps	NR	4	4	4	NR	2	8	0	5	0
Measles	NR	0	5	6	5	7	4	0	0	0
Gonorrhoea	NR	5	0	7	NR	0	14	0	0	0
VH (B, C & D)	NR	6	1	5	NR	9	0	0	0	0
Chickenpox/ Varicella	NR	0	0	1	NR	4	1	1	5	8
Meningitis	NR	0	0	NR	1	0	5	0	0	0
Leprosy	NR	0	0	NR	NR	0	2	0	0	0
Brucellosis	NR	0	0	NR	NR	2	0	0	0	0

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



Khyber Pakhtunkhwa (KP)

- KP reported cases of SARI (n=7,288), ILI (n=6,178), AD (Non Cholera) (n=4,327), ALRI <5 years (n=1,885), Malaria (n=1,590), Typhoid (n=368), B. diarrhea (n=186), Rabies/Dog bite (n=159), suspected Cholera (n=149) & VH (B, C & D) (n=90) at maximum.
- District Abbottabad reported maximum cases of AD (Non-Cholera) & ALRI <5 years.
- District Charsadda reported maximum cases of Malaria, AD (Non-Cholera), ILI, SARI & Typhoid.
- 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 & ALRI <5 years.
- District Lakki Marwat reported maximum cases of ALRI <5 years, Malaria & AD (Non-Cholera).
- District Malakand reported maximum cases of ILI & AD (Non Cholera).
- District Swabi reported maximum cases of SARI, ILI, AD (Non Cholera) & ALRI <5 years.
- District Swat reported maximum cases of SARI, ILI, AD (Non Cholera), ALRI <5 years & Typhoid.
- Cases of VPDs have been reported, which need immediate public health actions to reduce their burden and further consequences.
- Cases of AFP need verification and further workup accordingly.
- Weekly cases of ILI, SARI & ALRI <5 years cases depicted an increase in trend as compared to the last week i.e. week 03.

Figure 6: Most frequently reported cases during week 4, in comparison with previous weeks, KP

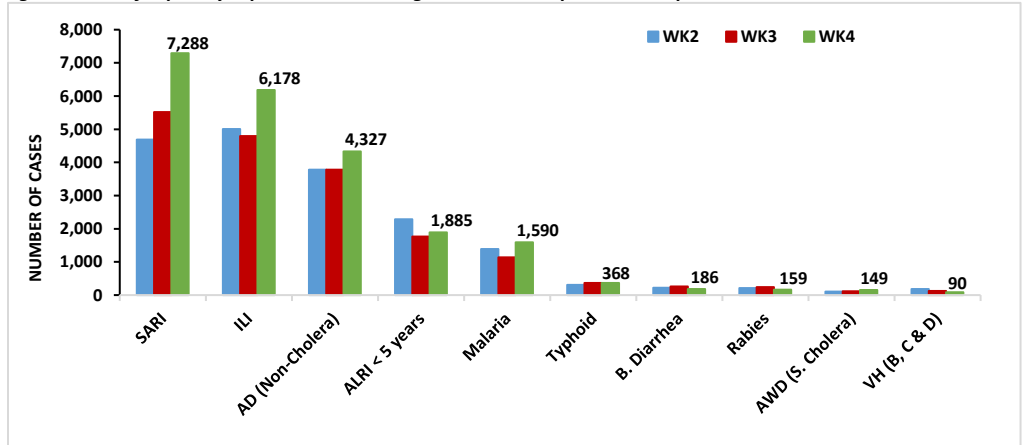
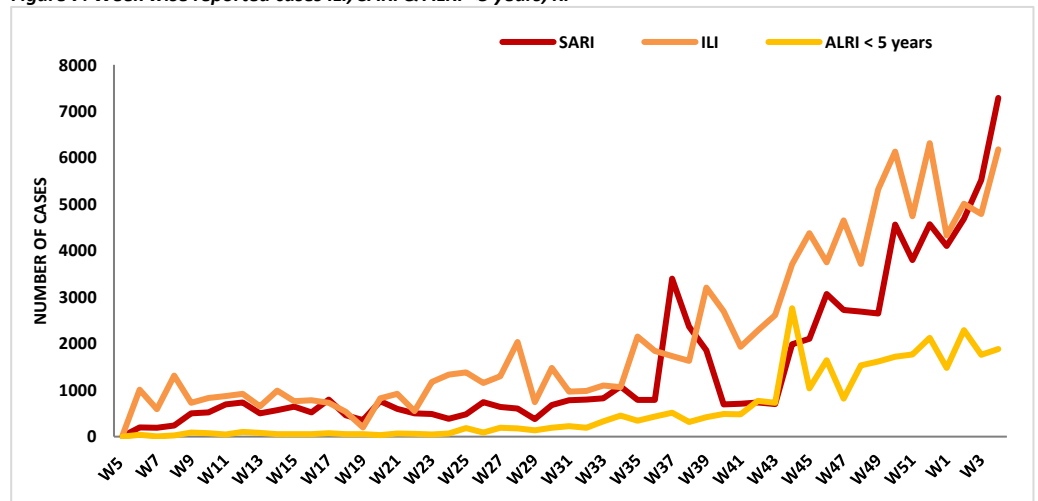


Table 4: District wise distribution of most frequently reported cases during week 4, KP

Diseases	Abbott-abad	Charsadda	Haripur	Kohat	Lakki Marwat	Malakand	Swabi	Swat	Total
SARI	24	104	91	478	7	0	2,236	4,348	7,288
ILI	0	305	1,676	574	81	167	869	2,506	6,178
AD (Non-Cholera)	354	650	598	263	377	83	560	1,442	4,327
ALRI < 5 years	103	42	239	125	615	47	498	216	1,885
Malaria	0	757	19	191	551	13	9	50	1,590
Typhoid	6	95	32	21	30	0	35	149	368
B. Diarrhea	2	26	10	42	10	1	27	68	186
Rabies / Dog bite	0	0	0	21	64	0	25	49	159
AWD (S. Cholera)	0	17	56	27	0	0	9	40	149
VH (B, C & D)	0	0	0	17	43	0	30	0	90
Mumps	0	0	4	10	1	0	8	23	46
Chickenpox/ Varicella	0	1	9	3	1	3	8	1	26
Measles	0	0	3	0	11	1	2	3	20
HIV/AIDS	0	0	0	0	0	0	0	12	12
Pertussis	0	0	0	0	1	0	4	6	11
AFP	0	1	0	2	1	0	3	3	10
CL	0	0	0	3	2	5	0	0	10
Meningitis	0	0	0	0	0	0	5	0	5
Leprosy	0	0	0	0	0	0	0	1	1

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



Islamabad (ICT)

- From ICT, the most frequent reported diseases were ILI (n=1,023), ALRI <5 years (n=243), AD (Non-Cholera) (n=162), SARI (n=10), B. diarrhea (n=08), AWD (S. Cholera) (n=03), Typhoid (n=02) & Chickenpox (n=01).
- During this week, an increase in trend was observed for cases of ILI & ALRI <5 years as compared to last week i.e. Week 03.

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

Gilgit Baltistan

- Gilgit-Baltistan reported cases of AD (Non Cholera) (n=20), ILI (n=18), ALRI <5 years (n=17), SARI (n=08), B. diarrhea (n=04), AWD (S. Cholera) (n=03) & Typhoid (n=03) this week.
- Weekly trend cases of ALRI <5 years & SARI depicted a decline in trend as compared to previous week i.e. Week-03.

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

Figure 8: Most frequently reported cases during week 4, in comparison with previous weeks, ICT

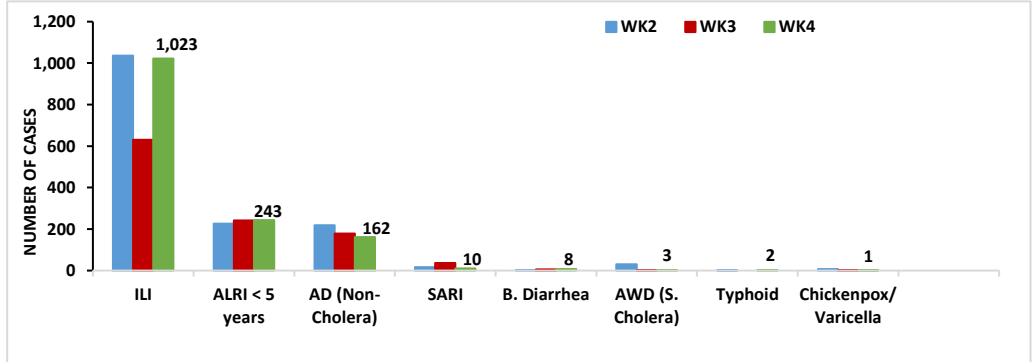


Figure 9: Week wise reported cases of ILI & ALRI <5 years, ICT

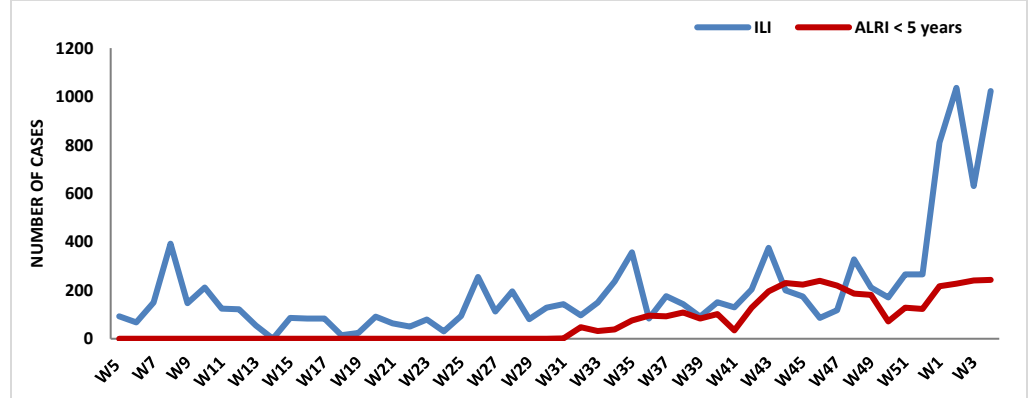


Figure 10: Most frequently reported cases during week 4, in comparison with previous weeks, GB

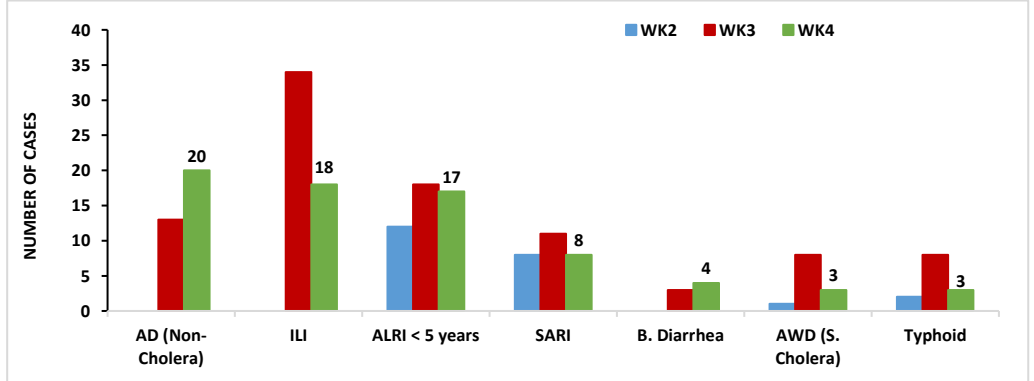
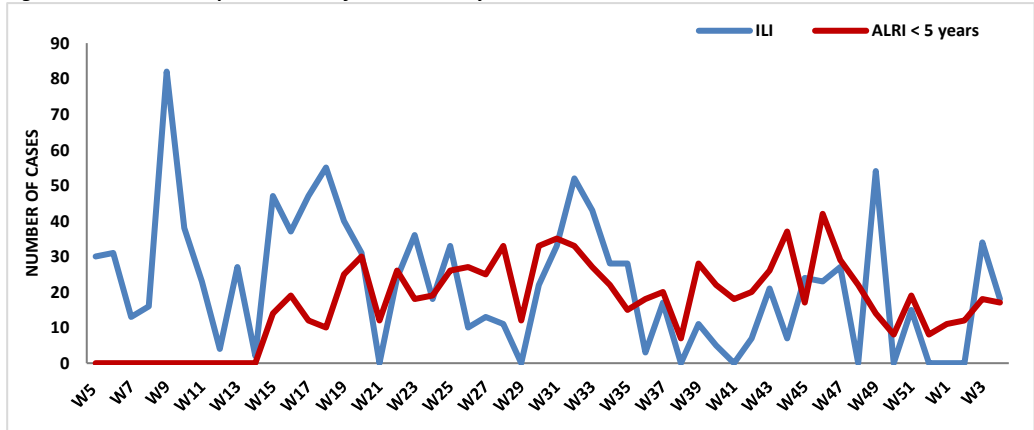


Figure 11: Week wise reported cases of ILI & ALRI < 5 years, GB



AJK

- District Mirpur reported cases of ILI (n=81), AD (Non Cholera) (n=66), ALRI <5 years (n=45), SARI (n=14), B. diarrhea (n=07), VH (B, C & D) (n=01) & AVH (A & E) (n=01) at maximum this week.
- Weekly trend of ILI cases depicted an incline while ALRI <5 years cases have shown an abrupt decline as compared to last week.

Figure 12: Most frequently reported cases during week 4, in comparison with previous weeks, AJK

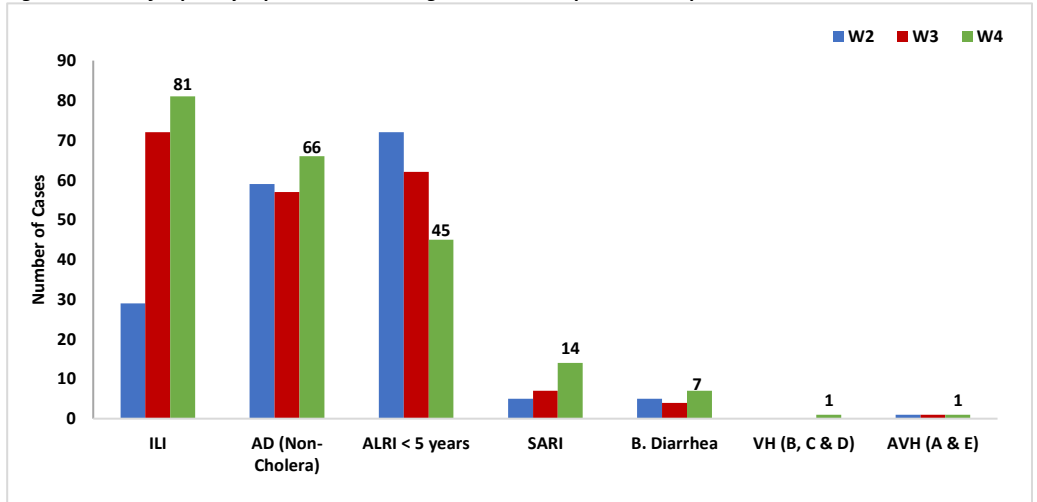
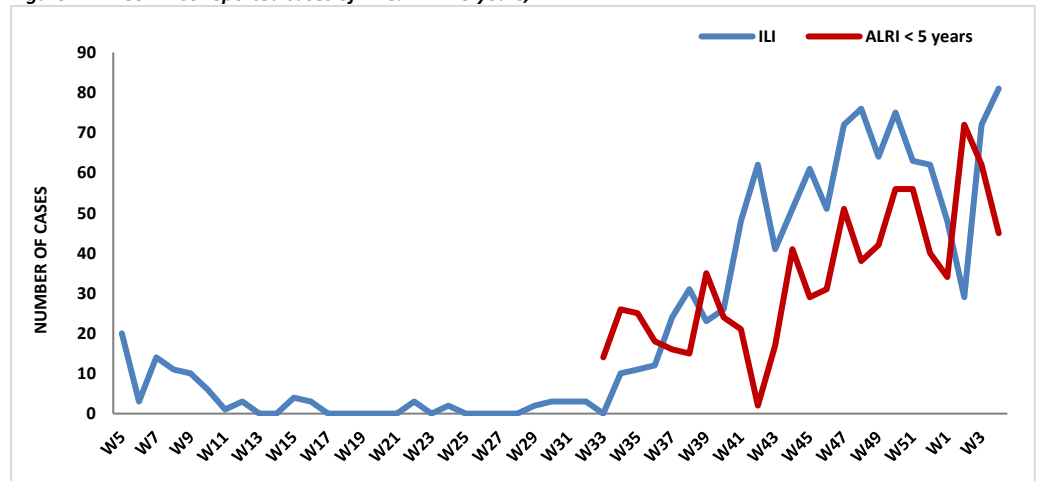


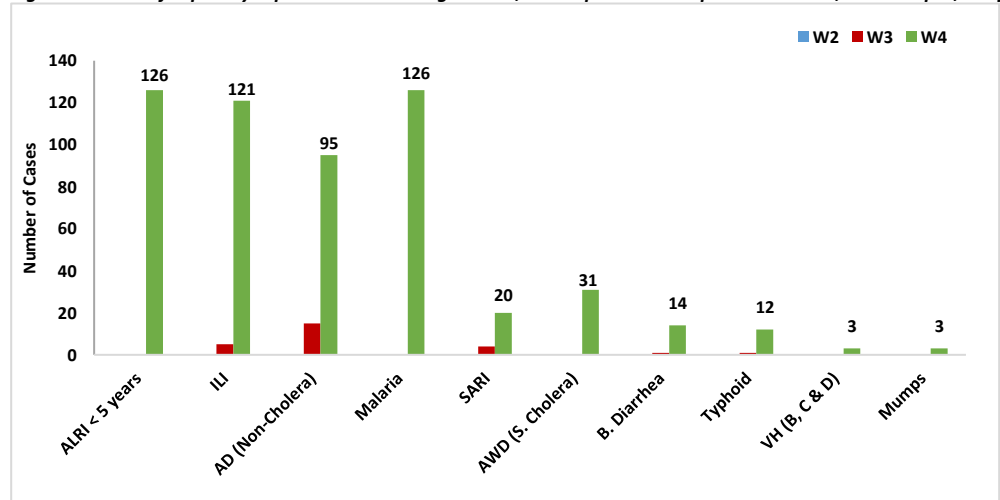
Figure 12: Week wise reported cases of ILI & ALRI <5 years, AJK



Punjab

- This week Punjab reported cases of ALRI <5 years (n=126), Malaria (n=126), ILI (n=121), AD (Non Cholera) (n=95), AWD (S. Cholera) (n=31), SARI (n=20), B. diarrhea (n=14), Typhoid (n=12), VH (B, C & D) (N=03) and Mumps (n=03) at maximum.
- Cases of AWD (S. Cholera) & B. diarrhea have been reported which need immediate verification and public health response accordingly.
- It is proposed to enhance community awareness on water, sanitation and hygiene (WASH) practices
- There is a need to strengthen the routine immunization as cases of Mumps have been reported.

Figure 13: Most frequently reported cases during week 4, in comparison with previous weeks, Bahawalpur, Punjab



IDSR Participating Districts

- This week 2.7% (01/36) of the districts reported hundred percent (%) data. CDA (Islamabad) is the only district reporting 100% data.
- Districts Naushahro Feroze & Umerkot did not report data this week.

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	58 (98%)
	Abbottabad	110/110	94 (86%)
	Charsadda	61/61	51 (84%)
	Lakki Marwat	49/49	47 (96%)
	Swat	77/77	74(96%)
	Malakand	78/78	06(7.7%)
	Swabi	63/63	56 (89%)
Azad Jammu Kashmir	Mirpur	37/37	31 (84%)
Islamabad Capital Territory	ICT	18/18	14 (78%)
	CDA	9/12	9 (100%)
Balochistan	Gwadar	24/24	23 (96%)
	Kech	44/78	43 (98%)
	Khuzdar	20/136	19(95%)
	Killa Abdullah	28/50	22 (79%)
	Lasbella	86/86	84(98%)
	Pishin	23/118	18(78%)
	Quetta	22/77	11 (50%)
	Sibi	42/42	28 (67%)
	Zhob	37/37	25 (68%)
	Jaffrabad	47/47	17 (36%)
	Naserabad	45/45	23 (51%)
	Gilgit Baltistan	Hunza	30/30
Nagar		05/22	02 (40%)
Sindh	Hyderabad	63/63	56 (89%)
	Karachi-East	14/14	13 (93%)
	Karachi-Malir	43/43	36 (84%)
	Ghotki	58/58	07 (12%)
	Umerkot	30/118	0
	Naushahro Feroze	52/52	0
	Tharparkar	85/236	84 (99%)
	Shikarpur	32/32	13 (41%)
	Thatta	28/50	22 (79%)
	Larkana	149/149	36 (24%)
Punjab	Kamber	101/101	56 (55%)
	Bahawalpur	91/91	34 (37%)

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

