

Epidemiological Highlights

Week 46 (15-21 Nov 2021)



As of week 46, (15-21 Nov 2021) there are 3,267 confirmed cases of COVID-19 (SARS-CoV-2), out of 74,973 samples that have been tested. The cumulative Test Positivity Rate (TPR) now stands at 4.4%.

In the reporting week (week 46), 9 new confirmed cases were detected out of the 1,183 samples that were tested. This translates to a 0.8% weekly TPR.

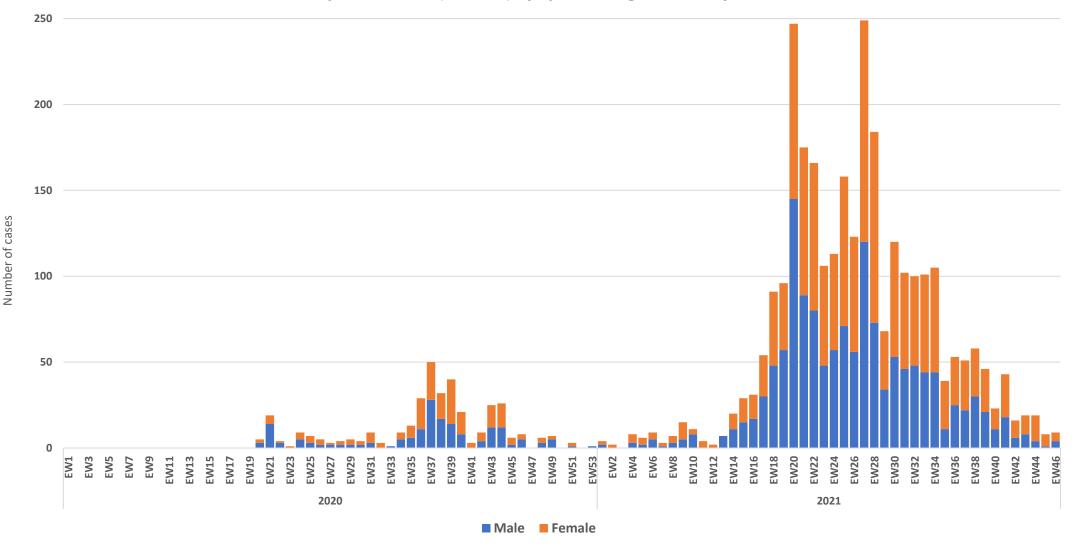
As of this week (week 46)

- Median age of tested and confirmed cases are 11 (0-120) and 21 (0-100) years
- Female among tested and confirmed cases is 54% and 53% respectively
- All 34/34 camps, reported confirmed cases (C24-203, C3-200, C17-180, C2W-178, and C21-173)
- Total confirmed COVID-19 deaths so far reported to date are 34 with the average case fatality ratio of 1.0%
- The weekly incidence gradually increased (58%) in the past seven (7) days from 10.5 cases/1 million population to 13 cases/1 million population as compared to the previous week.





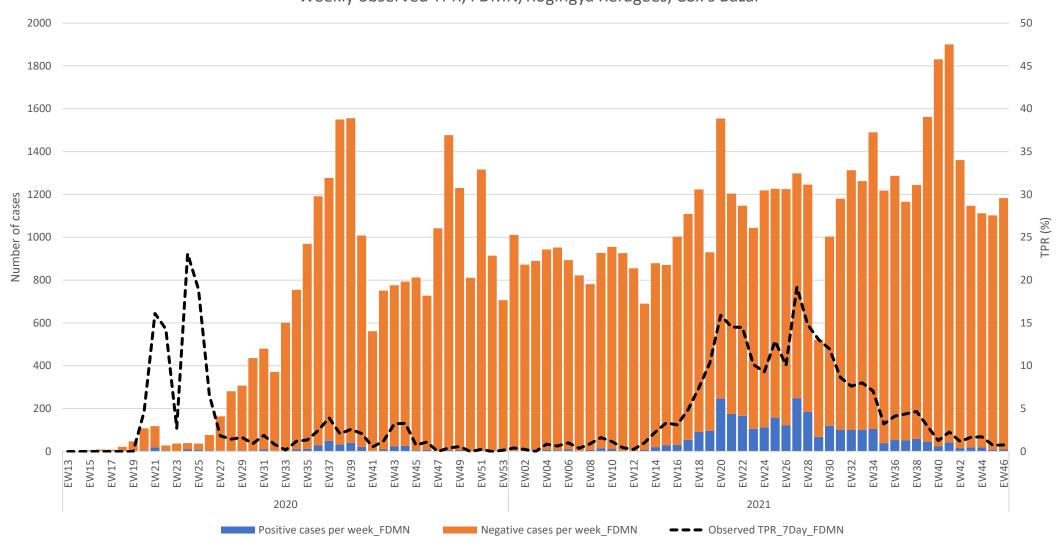








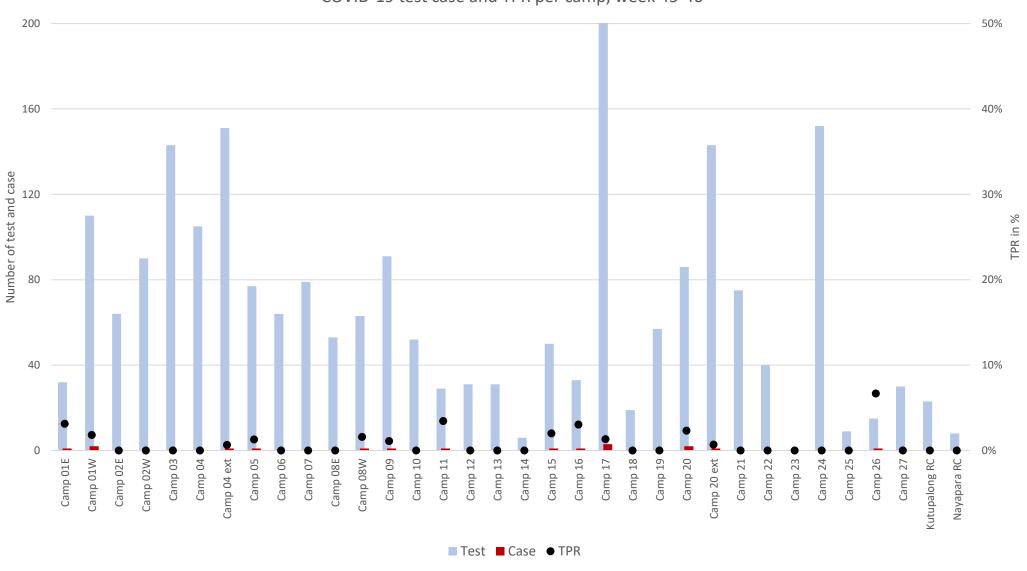
Weekly observed TPR, FDMN/Rogingya Refugees, Cox's Bazar





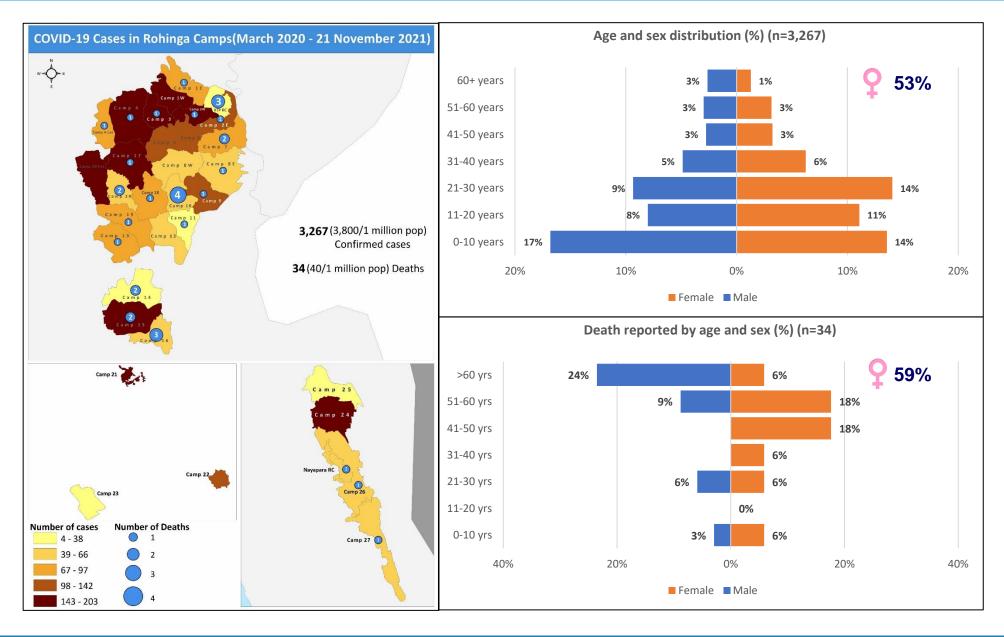


COVID-19 test case and TPR per camp, week 45-46





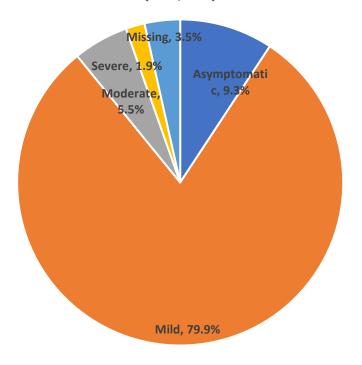




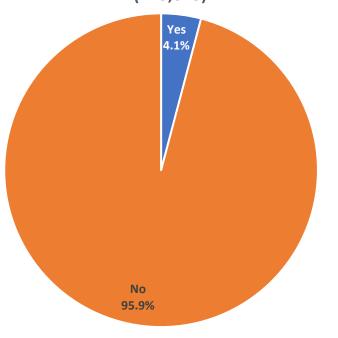




Severity of reported cases at presentation (n=3,043)



Did the case report at least 1 co-morbidity (n=3,043)



Source: Go.Data





- Total 3,043 (out of 3,267) confirmed cases have been investigated by the Rapid Investigation and Response Team (RIRT, a camp wise CT network, composed of RIRT coordinator, Site Mx representation, CT supervisor, currently camp 34 teams are working with 34 supervisors and over 300 volunteers i.e. contact tracer).
- Contact tracing has been done by CT supervisors with 8,300 (75%) contacts registered for follow-up in the Go.Data out of 11,079 contacts in total that were identified during the field investigation.
- 5,342 (64%) contacts successfully accomplished the follow-up.
- 321 household contacts tested positive within the incubation period.

Source: Go.Data





EWARS Reporting Updates

- Currently, a total of 168 health facilities registered in EWARS
 - Only 147/168 weekly reports were received on time in week 46
 - Timeliness of reporting for this week is 87%
 - Seventy-three (73) alerts were triggered
 - All alerts were reviewed and verified by the WHO EWARS team; the number is more than that of the previous week (63 in week 45).





Highlights:

- Acute Respiratory Infection (16.6%), Diarrheal Diseases (4.2%) & Injury and wounds (2.3%) are the diseases and health conditions with the highest proportional morbidity in week 46.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - One hundred thirty-three (133) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COIVD-19.
 - Total fifteen (15) SARI deaths were considered as death due to probable COVID-19 till date.





Diphtheria

No diphtheria case was reported in go.data in week 46

Last confirmed case was reported on 31 October 2021

In total 52 deaths were reported since 2017 to date, the last death reported on 5 November 2021

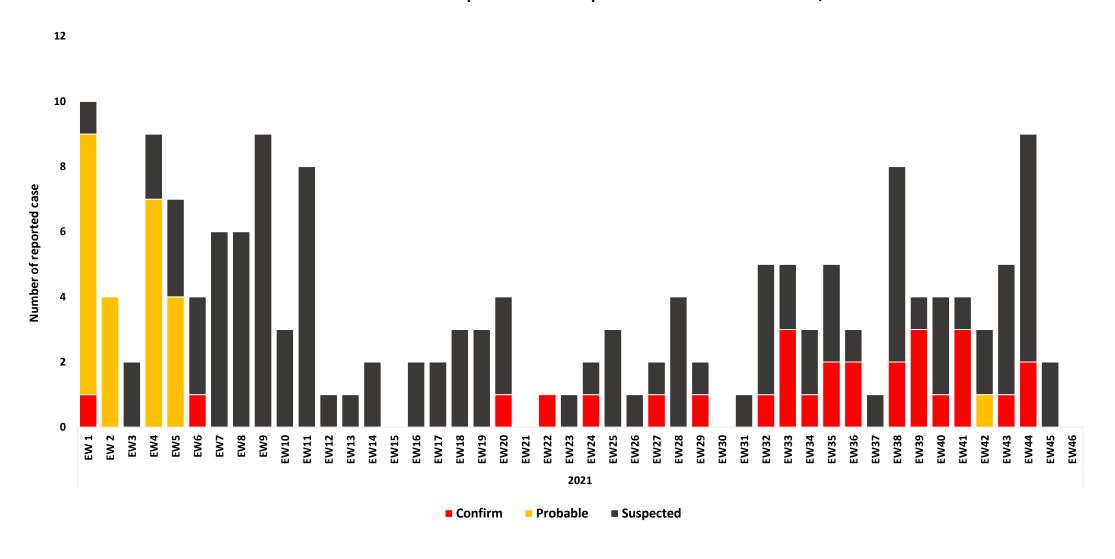
Classification	2017	2018	2019	2020	2021
Confirmed	66	226	31	19	28
Probable	1154	1555	60	9	26
Suspected	1796	3549	523	198	110
Death	30	14	3	0	5





Diphtheria

Total number of diphtheria case reported in EWARS from W1-46, 2021

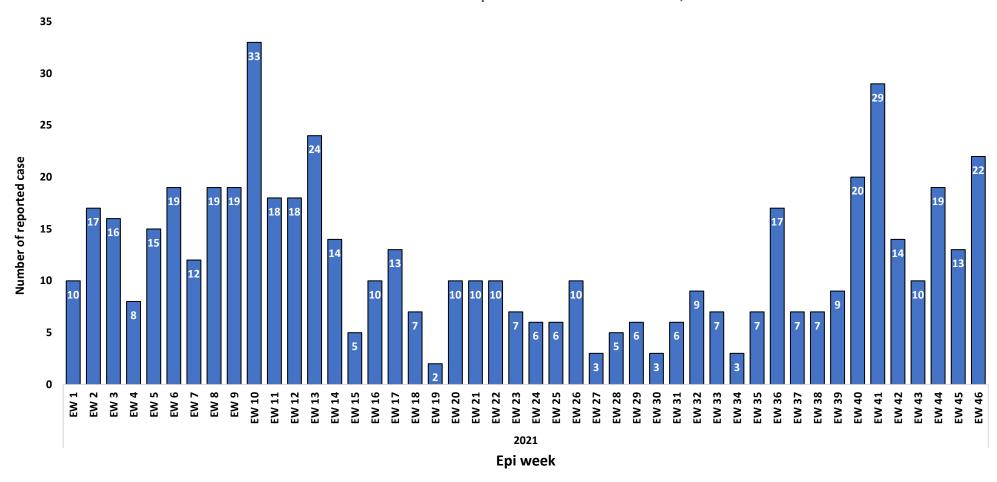






Measles

Total number of Measles case reported in EWARS from W1-46, 2021



In week 46, 22 suspected measles cases were reported through weekly reporting. This brings the total number of suspected measles cases to 559 cases, reported in 2021

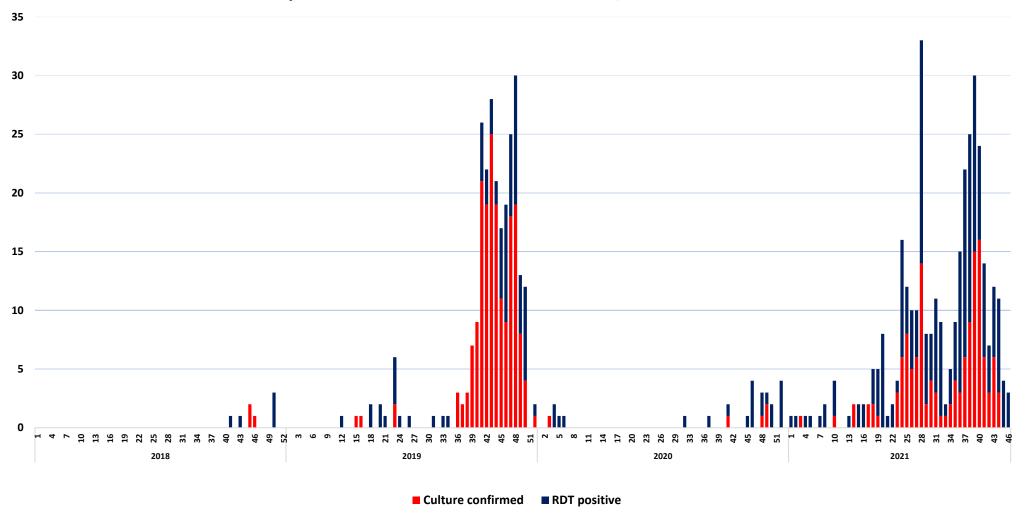
About 67%(340/559)of the total reported suspected measles cases were reported through case-based reporting and samples collected for laboratory confirmation





Cholera Surveillance



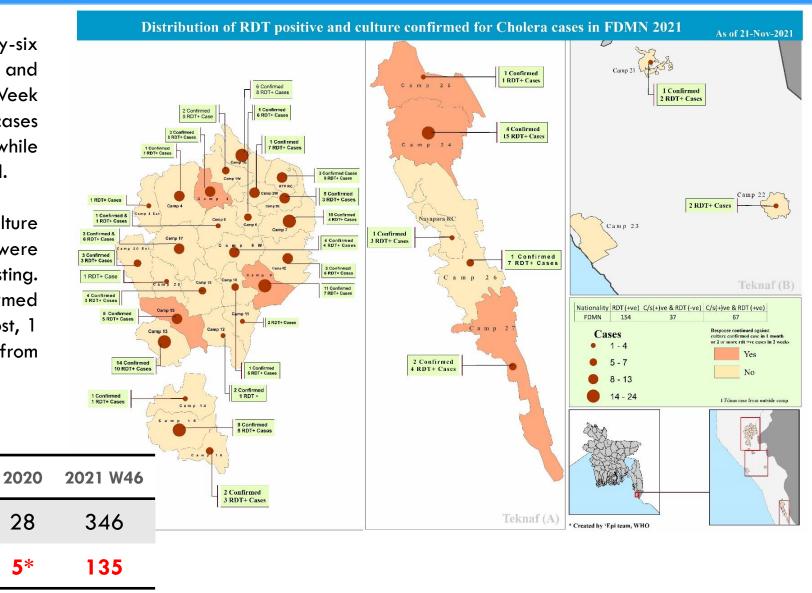






Cholera Surveillance

- Total three hundred and forty-six (346) Cholera RDT positive and culture cases reported as of Week 46 2021. A total of 135 cases were confirmed by culture while 211 cases were RDT confirmed.
- In 2020, a total of 28 RDT/Culture positive cases for Cholera were detected through sentinel testing. Specifically, 5 became confirmed by culture - 2 from Ukhiya Host, 1 from Teknaf host, and 2 from Refugees.



^{*3} culture confirmed cases were RDT negative in 2020

RDT positive/culture

Culture confirmed

15

for Cholera

confirmed for Cholera

2018

49





2019

258

184

5*

Community-based Mortality surveillance

Probable Cause of Death	Week 46	In 2021
Still Birth	1 (4%)	216 (12%)
Neonatal Death (<28 days old)	2 (8%)	180 (10%)
Infectious Disease		41 (2%)
Severe Acute Respiratory Infection (SARI)		39 (2%)
Injury		33 (2%)
Maternal Death		50 (3%)
Acute Malnutrition		1(.05%)
Other	20 (88%)	1 183 (68%)
Total	23 (100%)	1743 (100%)

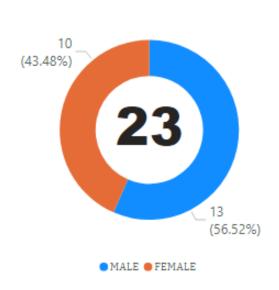
Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.



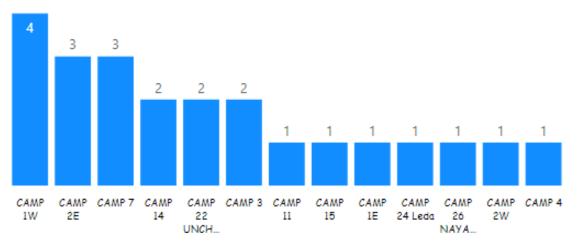


Community-based Mortality Surveillance

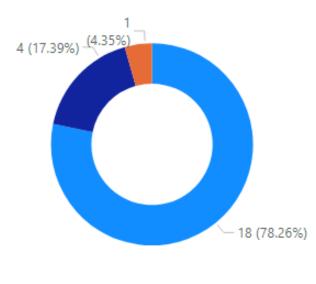
Gender distribution



Distribution of deceased Camp

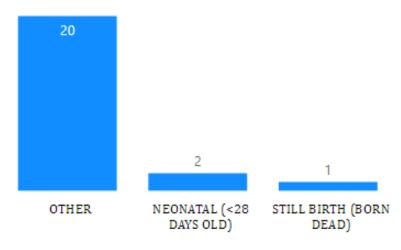


Place of death



Distribution of Probable cause of death

■ HOME ■ HEALTH FACILITY ■ COMMUNITY/PUBLIC PLACE







Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W46 2021







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Sources of data

- 1. Weekly EWARS Reporting Form
- 2. Mortality Case Report Form
- 3. Event-based Surveillance Form





Highlights W46 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population ¹
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
168	96%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W46	Cumulative (2021)				
147	7607	Number of weekly reports received			
87%	94%	Completeness			
87%	87%	Timeliness			

Table 3 Alert performance indicators

W46	Cumulative (2021)				
73	3,133	Total alerts raised			
100%	100%	% verified			
0%	0%	% auto-discarded			
0%	1%	% undergoing risk assessment			
0%	1%	% completed risk assessment			

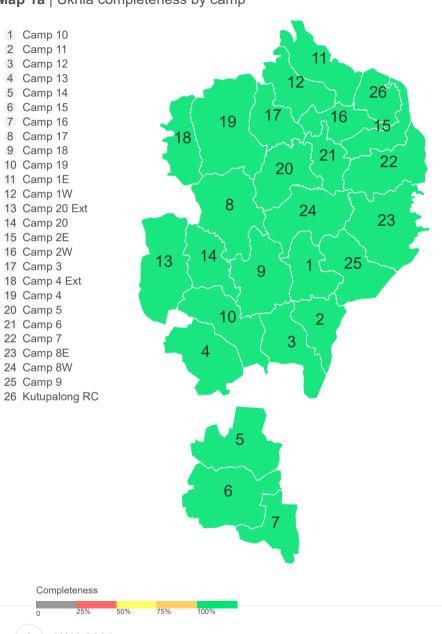




¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

Early Warning | Ukhia and Teknaf

Map 1a | Ukhia completeness by camp



Map 1b | Teknaf completeness by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang
- 3 Camp 23 Shamlapur
- 4 Camp 24 Leda
- 5 Camp 25 Ali Khali
- 6 Camp 26 Nayapara
- 7 Camp 27 Jadimura
- 8 Nayapara RC





Completeness

0 25% 50% 75% 10

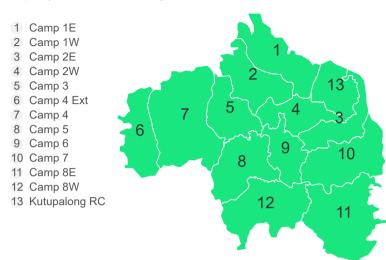




Table 4 | Performance by camp (W46 2021)

Northern group	Reporting		Performance		
	# health facilities	# reports received	Completeness	Timeliness	
	Uk	thia Northern Gro	oup		
Camp 1E	4	4	100%	100%	
Camp 1W	4	4	100%	100%	
Camp 2E	3	3	100%	100%	
Camp 2W	4	3	75%	75%	
Camp 3	6	6	100%	100%	
Camp 4	6	5	83%	83%	
Camp 4 Ext	1	1	100%	100%	
Camp 5	5	4	80%	80%	
Camp 6	2	2	100%	100%	
Camp 7	5	5	80%	80%	
Camp 8E	8	7	88%	88%	
Camp 8W	4	4	100%	100%	
Kutupalong RC	2	2	100%	100%	

Map 2 | Completeness by camp



Completeness





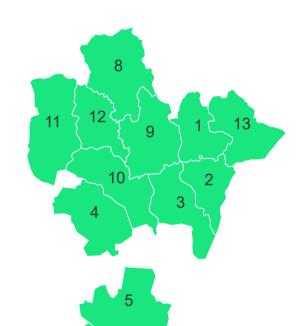


Table 5 | Performance by camp (W46 2021)

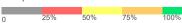
Southern group	Reporting		Performance		
	# health facilities	# reports received	Completeness	Timeliness	
	Uk	hia Southern Gro	oup		
Camp 10	4	4	100%	100%	
Camp 11	8	8	100%	100%	
Camp 12	6	6	100%	100%	
Camp 13	9	9	100%	100%	
Camp 14	7	6	86%	86%	
Camp 15	9	7	78%	78%	
Camp 16	7	6	86%	86%	
Camp 17	5	5	100%	100%	
Camp 18	5	5	100%	100%	
Camp 19	5	5	100%	100%	
Camp 20	3	3	100%	100%	
Camp 20 Ext	2	2	100%	100%	
Camp 9	5	4	80%	80%	

Map 3 | Completeness by camp

- 1 Camp 10
- 2 Camp 11
- 3 Camp 12
- 4 Camp 13
- 5 Camp 14
- 6 Camp 15
- 7 Camp 16
- 8 Camp 17
- 9 Camp 18
- 10 Camp 19
- 11 Camp 20 Ext
- 12 Camp 20
- 13 Camp 9











Early Warning | Teknaf

Table 6 | Performance by camp (W46 2021)

Teknaf	Reporting		Performance		
	# health facilities	# reports received	Completeness	Timeliness	
		Ukhia Teknaf			
Camp 21 Chakmarkul	4	4	100%	100%	
Camp 22 Unchiprang	5	4	80%	80%	
Camp 23 Shamlapur	3	2	67%	67%	
Camp 24 Leda	1	1	100%	100%	
Camp 25 Ali Khali	3	2	67%	67%	
Camp 26 Nayapara	4	3	75%	75%	
Camp 27 Jadimura	2	2	100%	100%	
Nayapara RC	2	2	100%	100%	

Map 4 | Completeness by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang
- 3 Camp 23 Shamlapur
- 4 Camp 24 Leda
- 5 Camp 25 Ali Khali
- 6 Camp 26 Nayapara
- 7 Camp 27 Jadimura
- 8 Nayapara RC





Completeness 75%





Table 7 | Performance by partner (W46 2021)

Partner	Performance		Reporting	Reporting		Performa	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness	
AKF	0	0			IRC	2	0	0%	0%	
AWARD	7	7	100%	100%	MSF	9	5	56%	56%	
BASHMAH	1	0	0%	0%	МоН	19	11	58%	58%	
BDRCS	11	11	100%	100%	MHI	2	0	0%	0%	
BRAC	11	11	100%	100%	Medair	2	2	100%	100%	
CARE	4	4	100%	100%	FH/MTI	3	3	100%	100%	
DAM	1	1	100%	100%	PRANTIC	1	1	100%	100%	
DBC	1	1	100%	100%	PULSE	1	1	100%	100%	
DSK	1	0	0%	0%	QC	1	1	100%	100%	
DCHT-PWJ	0	0			PHD	10	10	100%	100%	
FRNDS	7	5	71%	71%	RPN	2	2	100%	100%	
GK	10	10	100%	100%	RHU	3	3	100%	100%	
Global One	1	1	100%	100%	RI	3	3	100%	100%	
GUSS	1	1	100%	100%	RTMI	10	9	90%	90%	
HAEFA	2	2	100%	100%	SALT	1	1	100%	100%	
HAIB	8	8	100%	100%	SCI	7	7	100%	100%	
HMBDF	2	2	100%	100%	SHED	0	0			
HOPE	1	0	0%	0%	Turkish Government	0	0			
ICRC	1	1	100%	100%		2	2	100%	1000/	
IOM	16	16	100%	100%	TdH	2	2	100%	100%	





Table 8 | Performance by camp

Northern group	W46		Cumulati	Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.	
		Alerts Northern	group		
Camp 1E	2	100%	82	100%	
Camp 1W	5	100%	85	100%	
Camp 2E	12	100%	330	100%	
Camp 2W	3	100%	86	100%	
Camp 3	6	100%	159	100%	
Camp 4	2	100%	164	100%	
Camp 4 Ext	1	100%	32	100%	
Camp 5	2	100%	112	100%	
Camp 6	4	100%	73	100%	
Camp 7	0	0%	29	100%	
Camp 8E	1	100%	54	100%	
Camp 8W	4	100%	153	100%	
Kutupalong RC	2	100%	33	100%	

Map 5 | Number of alerts by camp

- 1 Camp 1E
- 2 Camp 1W
- 3 Camp 2E
- 4 Camp 2W
- 5 Camp 3
- 6 Camp 4 Ext
- 7 Camp 4
- 8 Camp 5
- 9 Camp 6
- 10 Camp 7
- 11 Camp 8E
- 12 Camp 8W
- 13 Kutupalong RC

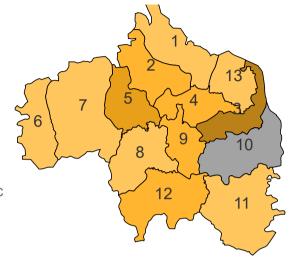






Table 9 | Performance by camp

Southern group	W46		Cumulati	Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.	
		Alerts Northern	group		
Camp 10	1	100%	83	100%	
Camp 11	1	100%	121	100%	
Camp 12	4	100%	113	100%	
Camp 13	2	100%	122	100%	
Camp 14	1	100%	92	100%	
Camp 15	2	100%	111	100%	
Camp 16	2	100%	121	100%	
Camp 17	1	100%	71	100%	
Camp 18	2	100%	138	100%	
Camp 19	1	100%	86	100%	
Camp 20	0	0%	58	100%	
Camp 20 Ext	0	0%	53	100%	
Camp 9	0	0%	115	100%	

Map 6 | Number of alerts by camp

- 1 Camp 10
- 2 Camp 11
- 3 Camp 12
- 4 Camp 13
- 5 Camp 14
- 6 Camp 15
- 7 Camp 16
- 8 Camp 17
- 9 Camp 18
- 10 Camp 19
- 11 Camp 20 Ext
- 12 Camp 20
- 13 Camp 9

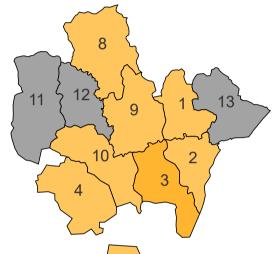










Table 10 | Performance by camp

Teknaf	W46		Cumulative (2021)			
	# alerts	% verif.	# alerts	% verif.		
	Alerts Northern group					
Camp 21 Chakmarkul	0	0%	28	100%		
Camp 22 Unchiprang	3	100%	83	100%		
Camp 23 Shamlapur	0	0%	25	100%		
Camp 24 Leda	1	100%	64	100%		
Camp 25 Ali Khali	0	0%	27	100%		
Camp 26 Nayapara	3	100%	116	100%		
Camp 27 Jadimura	2	100%	22	100%		
Nayapara RC	0	0%	39	100%		

Map 7 | Number of alerts by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang
- 3 Camp 23 Shamlapur
- 4 Camp 24 Leda
- 5 Camp 25 Ali Khali
- 6 Camp 26 Nayapara
- 7 Camp 27 Jadimura
- 8 Nayapara RC





of alerts







Table 11 | Performance by type of alert

Event	W46		Cumulative (20	21)			
	# alerts	% verif.	# alerts	% verif.			
Indicator-based su	Indicator-based surveillance						
Malaria	0	0%	5	100%			
Measles	7	100%	357	100%			
Bloody Diarr.	0	0%	0	0%			
AFP	3	100%	18	100%			
Meningitis	0	0%	34	100%			
Haem. fever (susp.)	0	0%	12	100%			
NNT	0	0%	4	100%			
Unexp. fever	4	100%	164	100%			
AWD	4	100%	276	100%			
ARI	8	100%	309	100%			
AJS	1	100%	47	100%			
Varicella (Susp.)	0	0%	34	100%			
Suspected COVID-19	0	0%	0	0%			
Event-based surveillance							
EBS total	7	100%	223	100%			

Table 12 | Risk assessment

W	46	Cumulative (2021)		
	0	20	Low risk	
	0	2	Moderate risk	
	0	1	High risk	
	0	0	Very high risk	





For more help and support, please contact:

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Notes

WHO and the Ministry of Health and Family Welfare gratefully acknowledge all partners who have reported the data used in this bulletin.

The data been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at http://ewars-project.org

Sign up for an account with EWARS Rangladach at http://bd.cu/ara.u









Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W46 2021







Proportional morbidity

Figure 1 | Proportional morbidity (W46 2021)

0.0%

- Acute Respiratory Infection (ARI)
- Acute Watery Diarrhoea
- Bloody diarrhoea
- Other diarrhoea
- Varicella (susp.)

- Unexplained fever
- Acute Jaundice Syndrome (AJS)
- Measles/Rubella
- Other
- Vector-borne disease*

^{*} Combines malaria and dengue cases (suspected and confirmed)

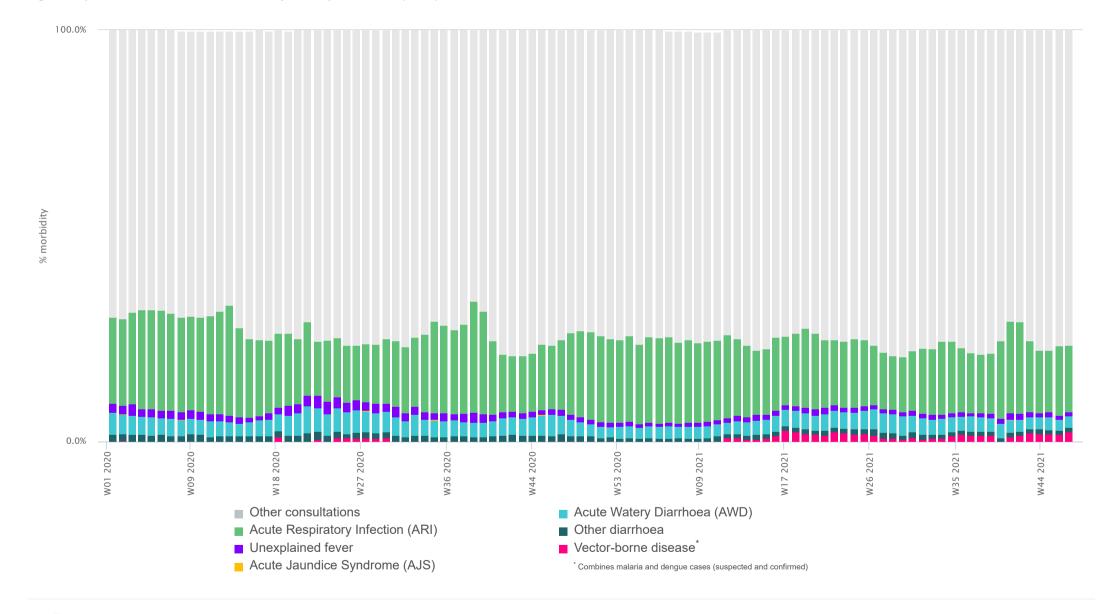
Disease	W46		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,443	2.7%	136,053	3.4%
Bloody diarr.	333	0.4%	15,937	0.4%
Other diarr.	1,019	1.1%	42,426	1.1%
Susp. Varicella	38	0.0%	4,090	0.1%
ARI	14,487	16.3%	689,503	17.5%
Measles/Rub.	22	0.0%	559	0.0%
AFP	2	0.0%	17	0.0%
Susp. menin.	1	0.0%	127	0.0%
AJS	14	0.0%	516	0.0%
Susp. HF	0	0.0%	18	0.0%
Neo. tetanus	0	0.0%	2	0.0%
Adult tetanus	0	0.0%	3	0.0%
Malaria (conf.)	1	0.0%	25	0.0%
Malaria (susp.)	1,697	1.9%	41,011	1.0%
Dengue (conf.)	137	0.2%	475	0.0%
Dengue (susp.)	193	0.2%	780	0.0%
Unexpl. fever	853	1.0%	43,231	1.1%
Sev. Malnut.	46	0.1%	1,816	0.0%
Inj./Wounds	2,050	2.3%	102,709	2.6%
Other	65,513	73.7%	2,863,715	72.6%
Total	88,098	100%	3,945,505	100%





Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W46)

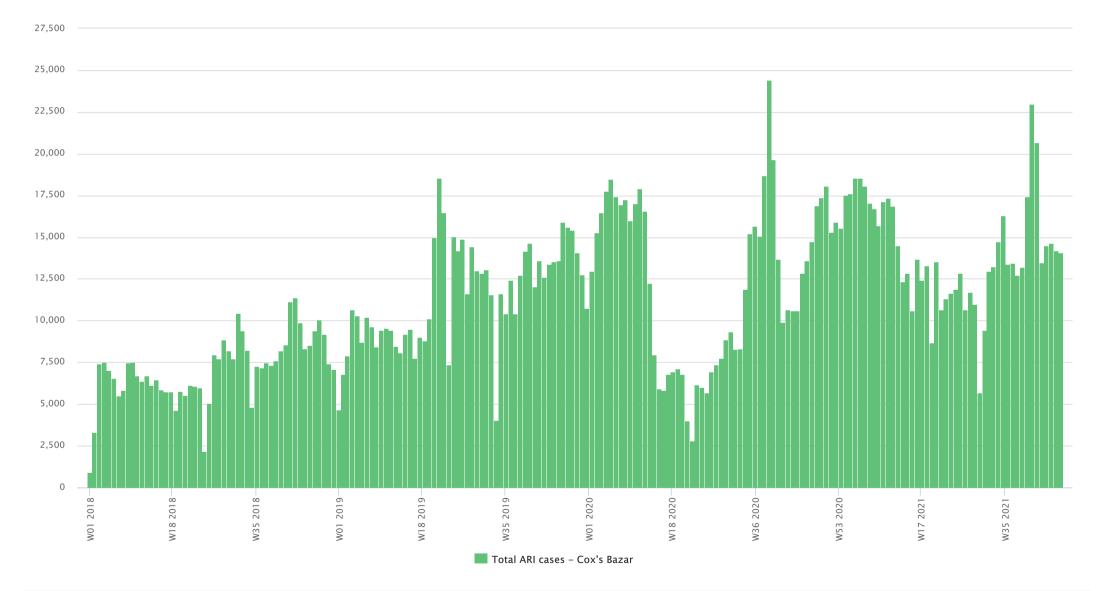






Acute Respiratory Infection | Trend

Figure 3 | Trend in number of cases over time (W38 2017 - W46 2021)







Acute Respiratory Infection | Maps and Alert Management

Map 1 | Map of cases by camp (W46 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...



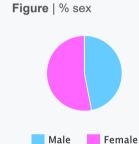












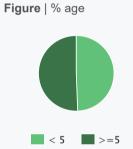
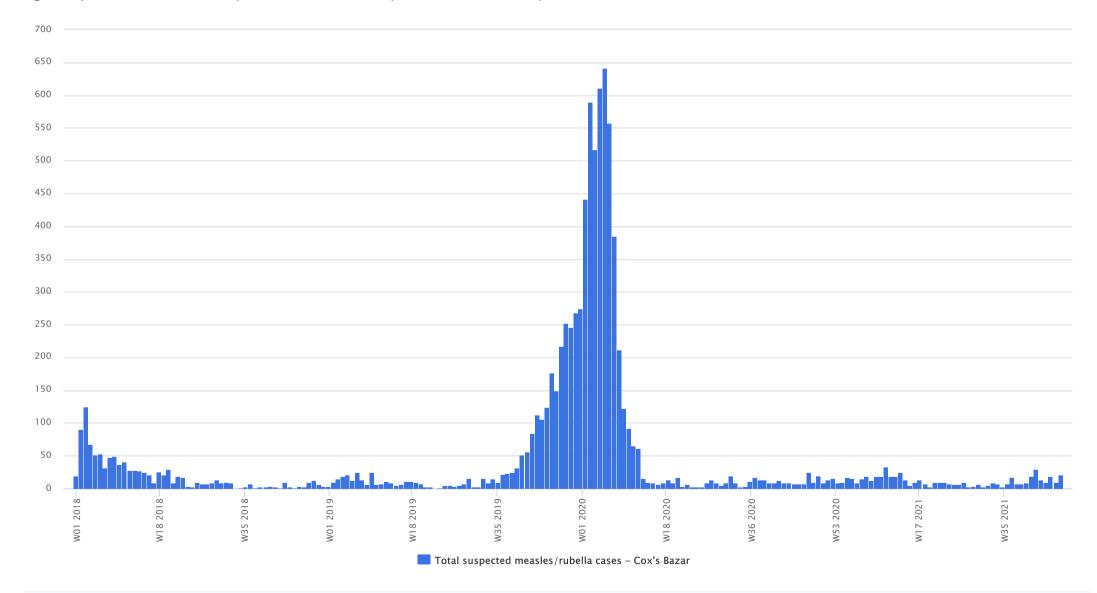




Figure 4 | Trend in number of suspected cases over time (W38 2017 - W46 2021)







Map 2 | Map of cases by camp (W46 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...

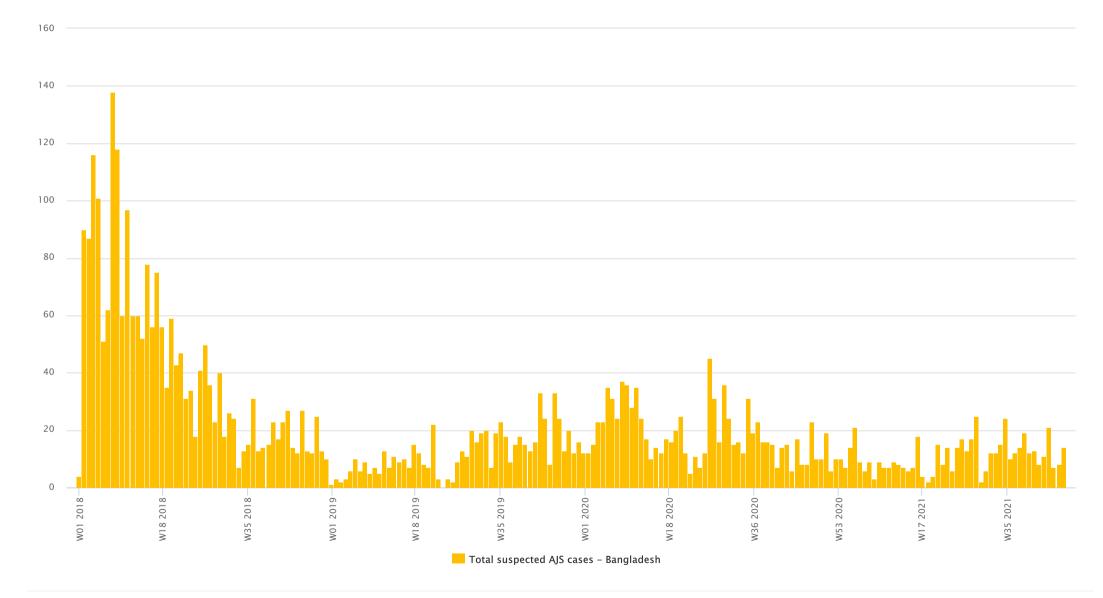






Acute Jaundice Syndrome | Trend

Figure 5 | Trend in number of cases over time (W38 2017 - W46 2021)







Acute Jaundice Syndrome | Maps and Alert Management

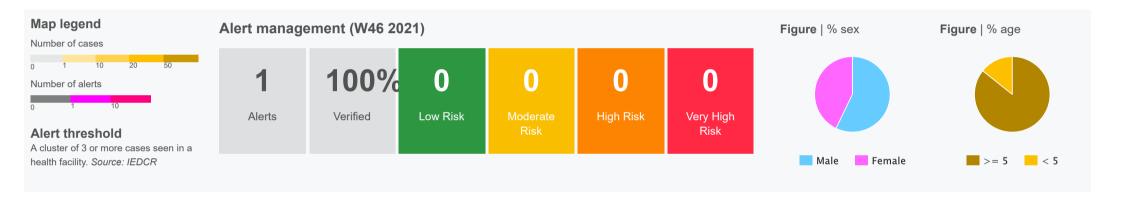
Map 3 | Map of cases by camp (W37 2017 - W46 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...







Acute Watery Diarrhoea | Trends

Figure 6 | Trend in number of cases over time (W38 2017 - W46 2021)

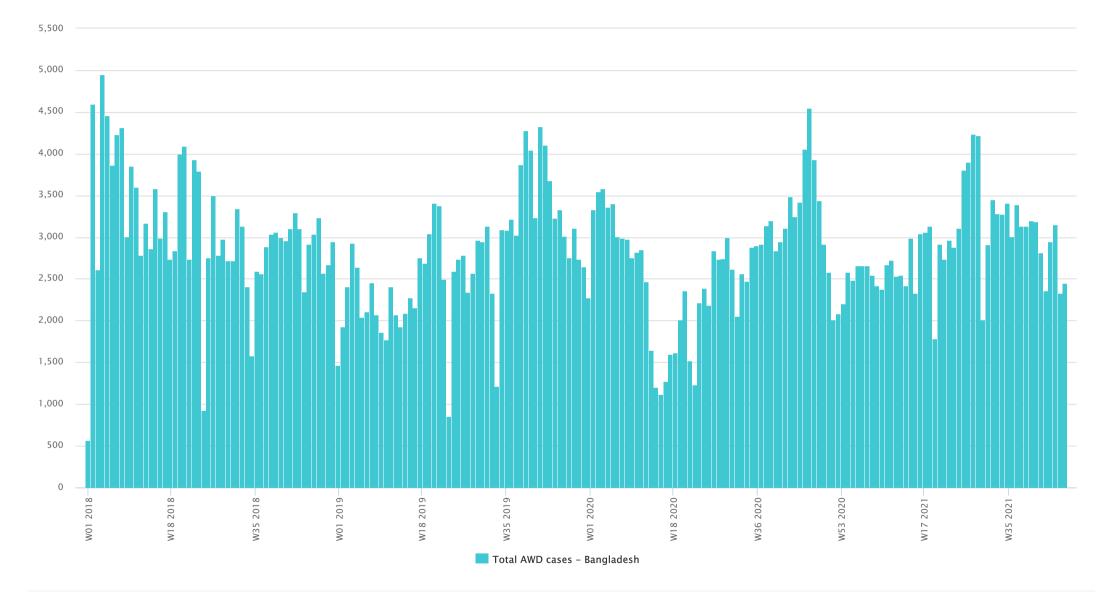
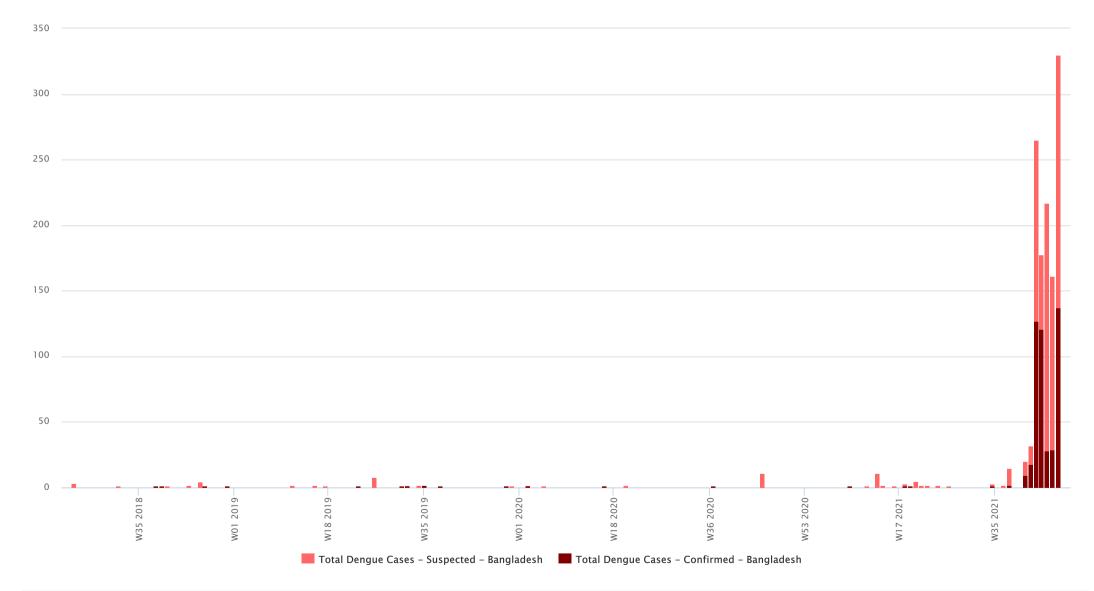






Figure 7 | Trend in number of cases over time (W38 2017 - W46 2021)







Dengue | Maps and Alert Management

Map 4 | Map of cases by camp (W37 2017 - W46 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...



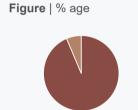


Alerts

110 Verified C O

Moderate Risk O O Very High Risk

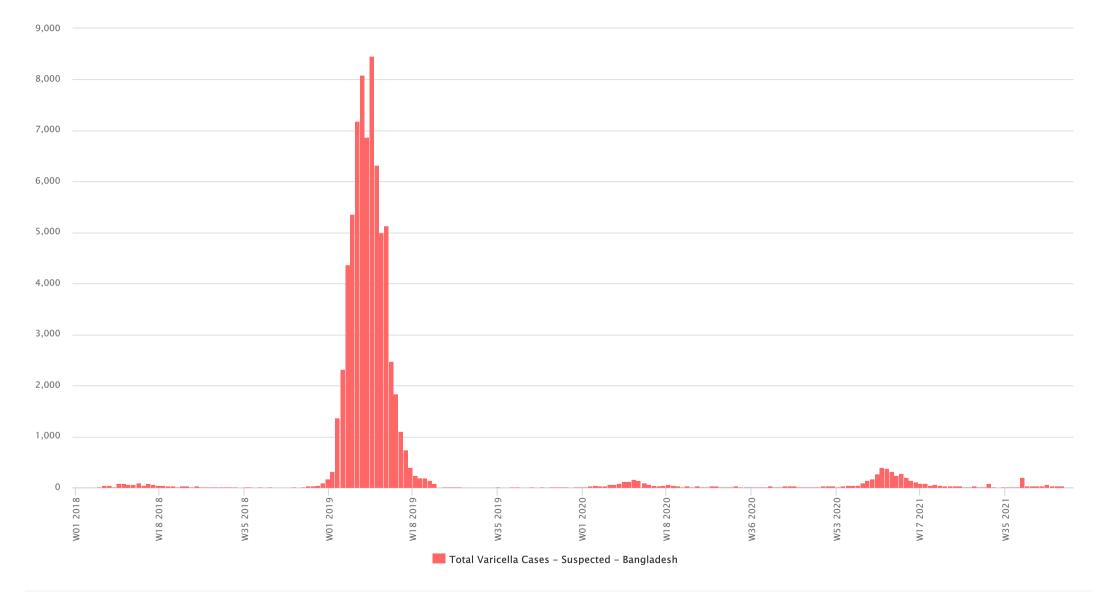






Varicella (Susp.) | Trends

Figure 7 | Trend in number of cases over time (W38 2017 - W46 2021)





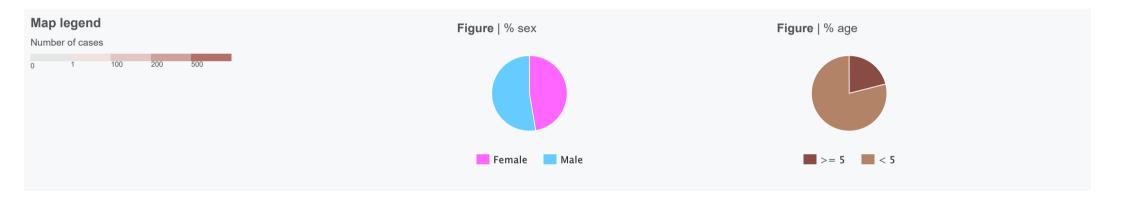


Varicella (Susp.) | Maps

Map 4 | Map of cases by camp (W37 2017 - W46 2021)

a. Ukhia | Number of cases Loading...

c. Teknaf | Number of cases Loading...







For more help and support, please contact:

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Notes

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The data been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at http://ewars-project.org

Sign up for an account with ENADS Bangladach at http://bd.augra.w







