

Epidemiological Highlights

Week 44 (1-7 Nov 2021)



As of week 44, (1-7 Nov 2021) there are 3,250 confirmed cases of COVID-19 (SARS-CoV-2), out of 72,688 samples that have been tested. The cumulative test positivity rate(TPR) now stands 4.5%

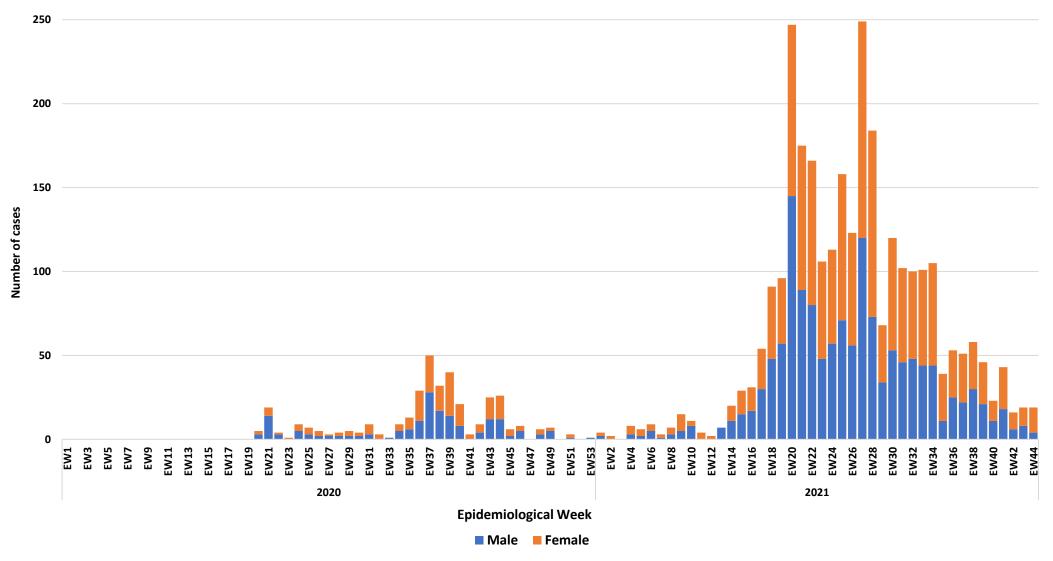
In the reporting week, 19 new confirmed cases were detected out of 1,112 total samples that were tested. This translates to a 1.7% weekly test positivity rate. As of this week (week 44)

- Median ages of tested and confirmed cases are 11 (0-120) and 21 (0-100) years respectively
- By Gender, the number of female cases tested and confirmed cases are 53% and 53% respectively
- All 34/34 camps have reported confirmed cases (C24-203, C3-200, C2W-178, C17-177, and C21-173)
- The total confirmed COVID-19 deaths since the commencement of the outbreak remains static at 34 since there was zero death reported since Epi week 37, this translates to 1.0% in cumulative case fatality ratio
- The seven(7) days incidence remained static at 22.1/1million populations for the past two weeks now





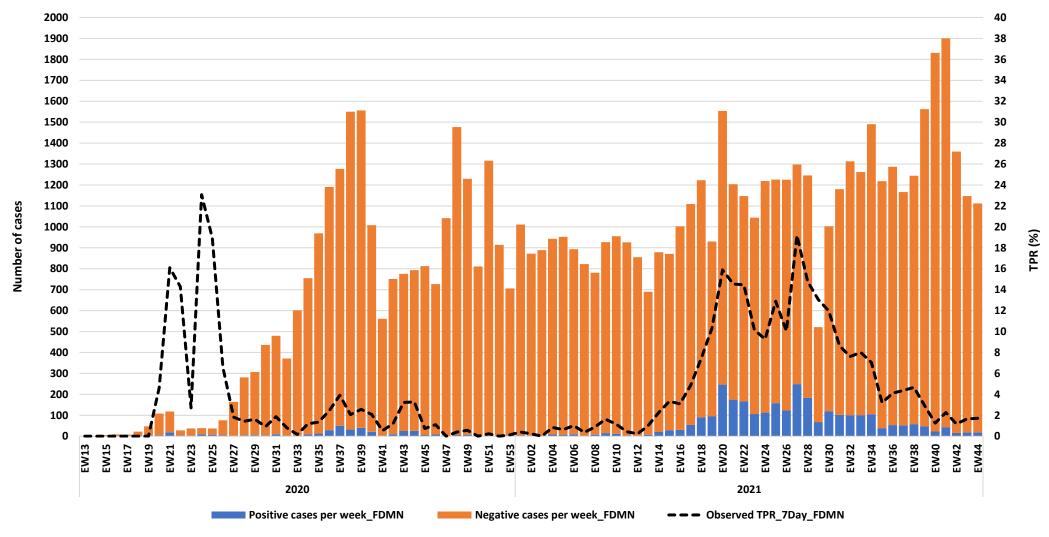
COVID-19 positive cases (n=3,250) by epidemiological week by date of test







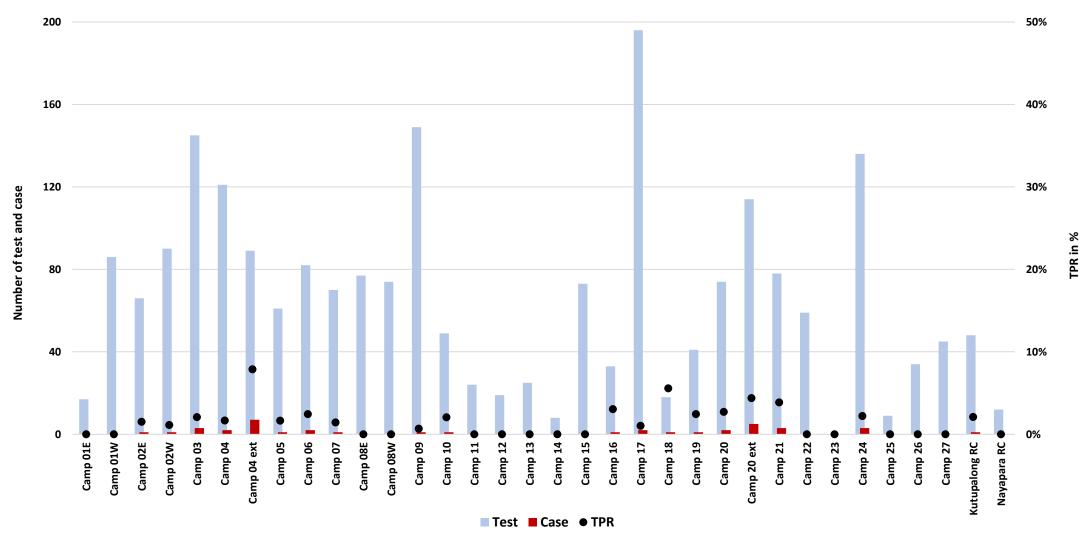
Weekly test outcomes and observed TPR_7 day average (cumulative 4.5%)





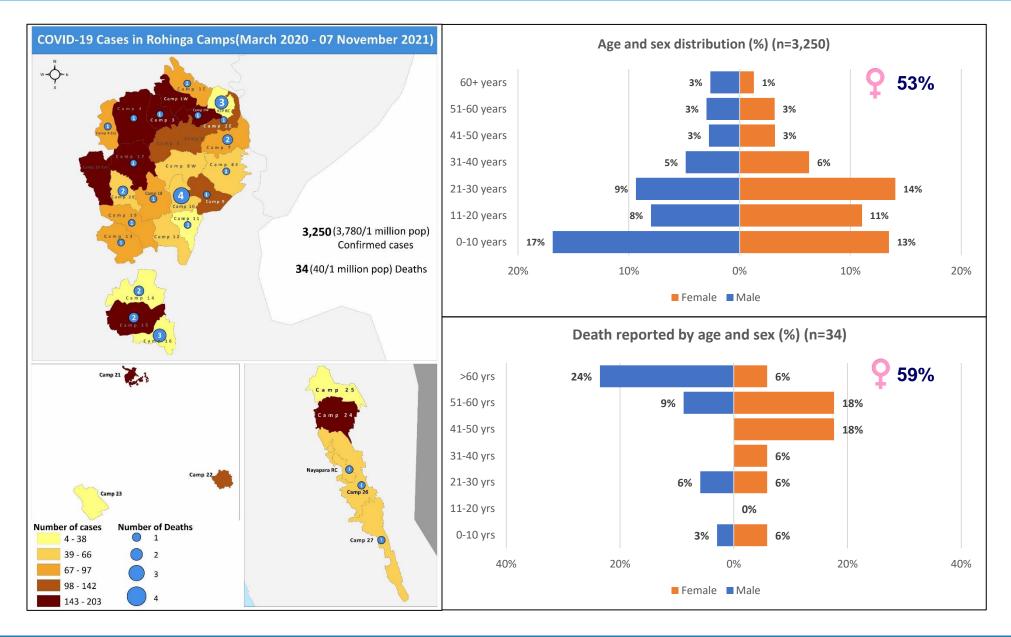


COVID-19 test case and TPR per camp, W43-44





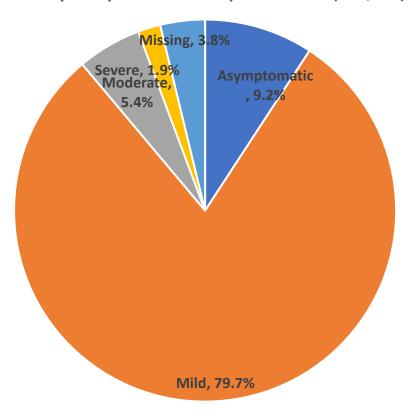




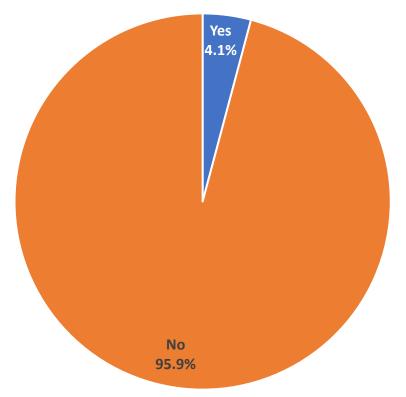




Severity of reported cases at presentation (n=3,040)



Did the case report at least 1 co-morbidity (n=3,040)



Source: Go.Data





- Total 3,040 (out of 3,250) confirmed cases have been investigated by 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 7,844 contacts registered for follow up in the Go.Data out of 11,007 contacts in total identified during field investigation.
- 5,154 (66%) contacts successfully accomplished the follow up.
- 320 household contacts tested positive within the incubation period.

Source: Go.Data





EWARS Reporting Updates

 Currently, a total of 170 health facilities registered in EWARS

- Only 91%(154/170) of registered health facilities submitted timely weekly reports in week 44
- Timeliness of reporting for this week is 91%
- Sixty-five (65) alerts were triggered
- All alerts were reviewed and verified by WHO the EWARS team, the number is less than that of the previous week (72 in week 43).





Highlights:

- Acute Respiratory Infection (14.7%), Diarrheal Diseases (4.5%) & Injury and wounds (2.4%) are the diseases and health conditions with the highest proportional morbidity in week 44.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - One hundred and twenty-seven (127) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COVID-19.
 - In total, fifteen (15) SARI deaths have been considered as probable COVID-19 dear to date.





Diphtheria

Two (2) confirmed and 7 suspected diphtheria case was reported in go.data in Epi week 44

The last confirmed case was reported on 31 October 2021

A total of five (5) deaths have so far been reported, the last death reported on 5 November 2021

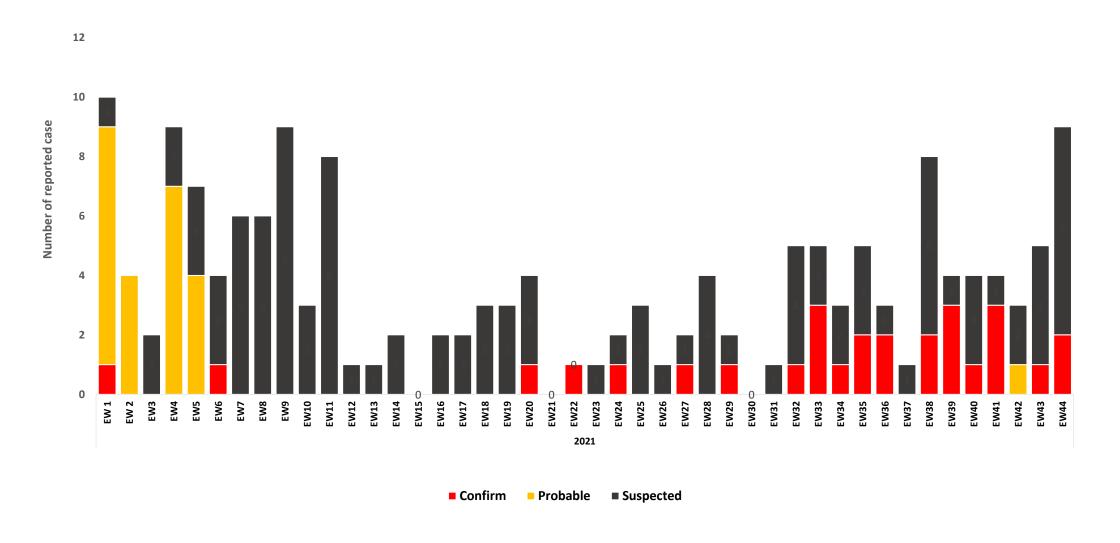
Classification	2017	2018	2019	2020	2021
Confirmed	66	226	31	19	28
Probable	1154	1555	60	9	26
Suspected	1796	3549	523	198	110
Death	30	14	3	0	5





Diphtheria

Total number of diphtheria case reported in EWARS from W1-44, 2021

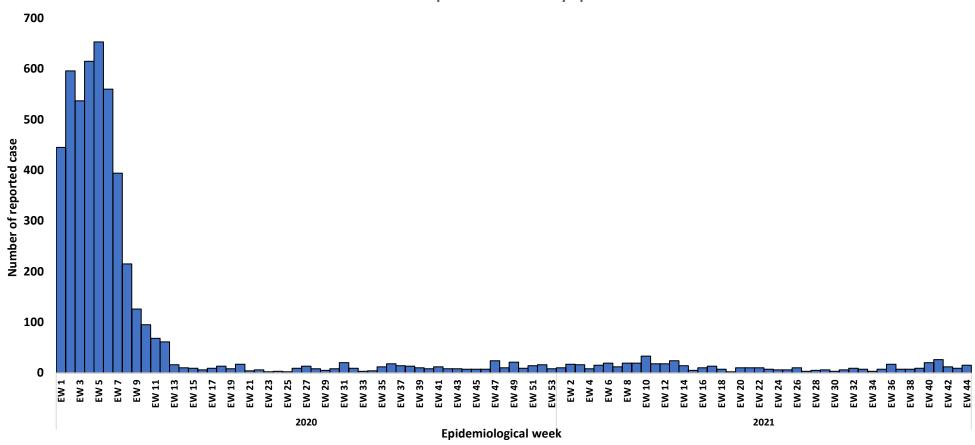






Measles

Number of Measles cases reported in EWARS by Epi week in 2021 as of week 44



In week 44, 15 suspected measles cases were reported through weekly reporting which brings the total suspected cases to 509 in 2021.

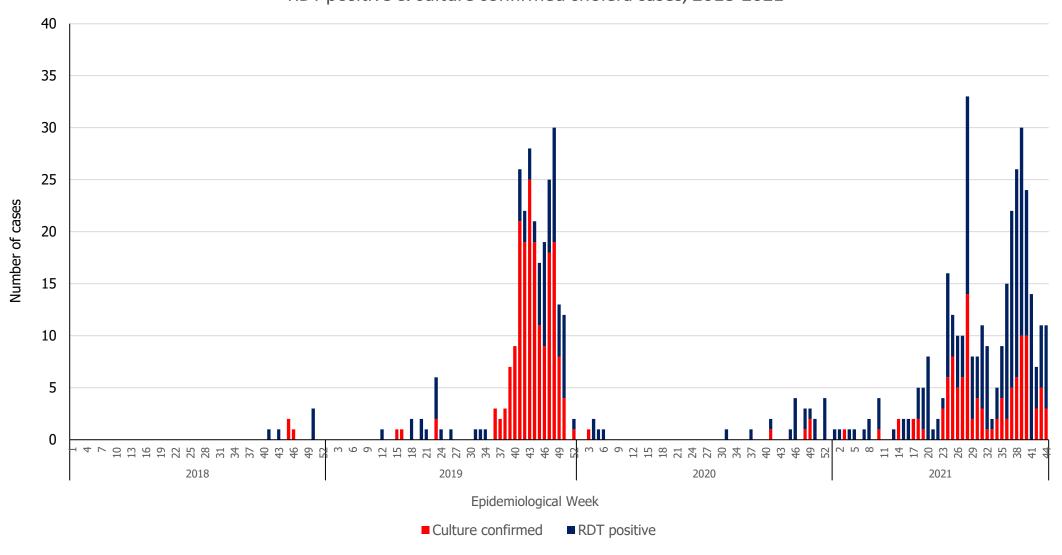
About 67%(340/509) of the reported cases were done through case-based reporting and samples collected for laboratory confirmation





Cholera Surveillance

RDT positive & culture confirmed cholera cases, 2018-2021

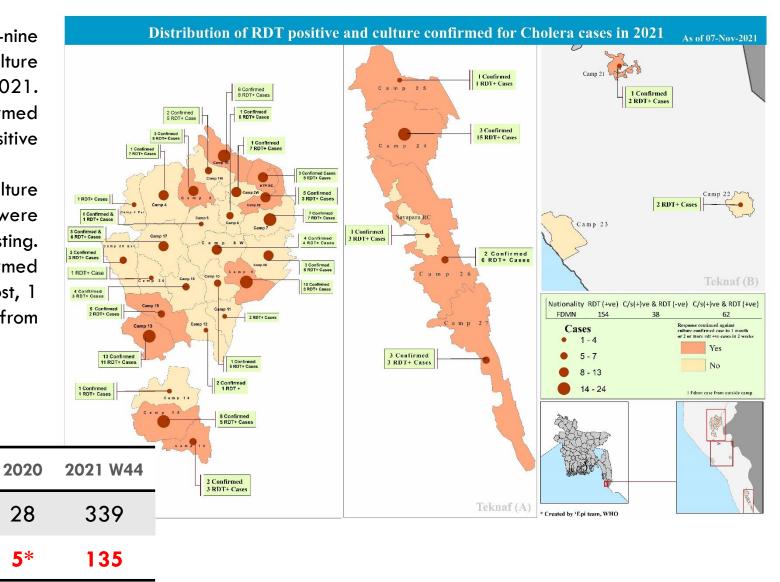






Cholera Surveillance

- Total three hundred and thirty-nine (339) Cholera RDT positive/culture cases reported as of W44 2021. Out of these,135 were confirmed by culture, 204 were RDT positive cases.
- 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

2018

49





2019

258

184

5*

RDT positive/culture

Culture confirmed

for Cholera

confirmed for Cholera

Community-based Mortality surveillance

Probable Cause of Death	Week 44	Year- 2021
Still Birth	2 (8%)	222 (12%)
Neonatal Death (<28 days old)	1 (4%)	183 (10%)
Infectious Disease	1 (4%)	44 (2%)
Severe Acute Respiratory Infection (SARI)		39 (2%)
Injury		34 (2%)
Maternal Death	1 (4%)	52 (3%)
Other	21 (81%)	1 209 (68%)
Total	26(100%)	1783(100%)

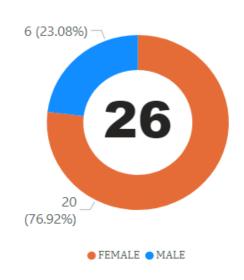
Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.



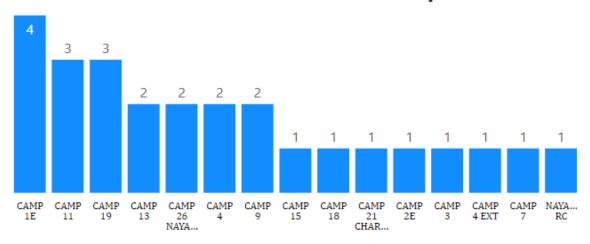


Community-based Mortality Surveillance

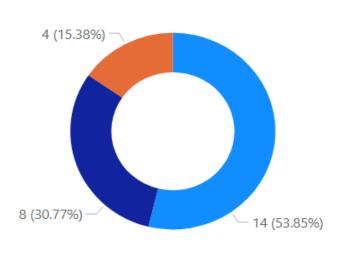
Gender distribution



Distribution of deceased Camp

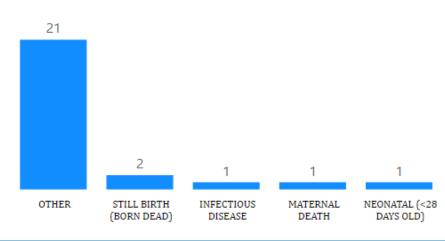


Place of death



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 W44 2021







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Sources of data

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





Highlights W442021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population ¹
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
170	97%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W44	Cumulative (2	021)
154	7312	Number of weekly reports received
91%	92%	Completeness
91%	85%	Timeliness

Table 3 Alert performance indicators

W44	Cumulative (2021)			
65	3,012	Total alerts raised		
100%	100%	% verified		
0%	0%	% auto-discarded		
0%	1%	% undergoing risk assessment		
0%	1%	% completed risk assessment		

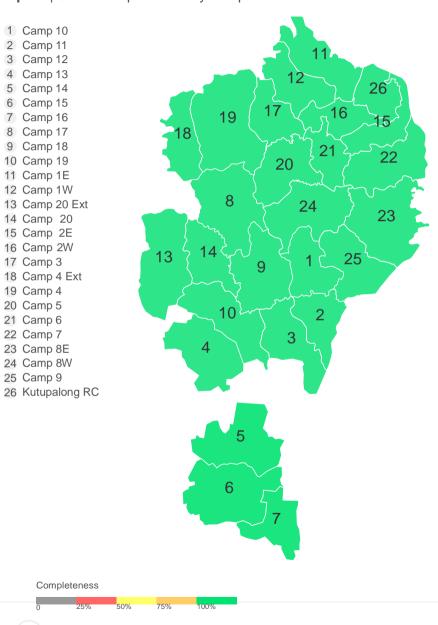




¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

Early Warning | Ukhia and Teknaf

Map 1a | Ukhia completenessby 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

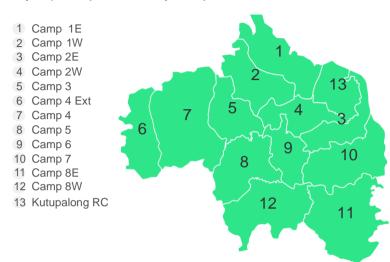




Table 4 | Performance by camp (W44 2021)

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

Map 2 | Completeness by camp



Completeness
0 25% 50% 75%





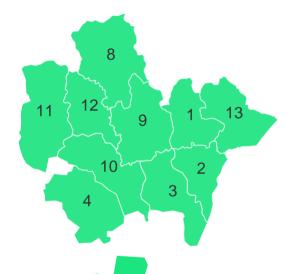


Table 5 | Performance by camp (W44 2021)

Southern group	Reporting		Performance		
	# health facilities	# reports received	Completeness	Timeliness	
	Uk	hia Southern Gro	oup		
Camp 10	4	4	100%	75%	
Camp 11	8	8	100%	100%	
Camp 12	6	6	100%	100%	
Camp 13	10	9	90%	90%	
Camp 14	7	7	100%	100%	
Camp 15	9	9	100%	100%	
Camp 16	7	7	100%	100%	
Camp 17	5	6	100%	100%	
Camp 18	5	5	100%	100%	
Camp 19	5	5	100%	100%	
Camp 20	3	3	100%	100%	
Camp 20 Ext	3	2	100%	100%	
Camp 9	6	5	83%	67%	

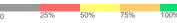
Map 3 | Completeness by camp

- 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





Completeness







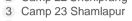
Early Warning | Teknaf

Table 6 | Performance by camp (W44 2021)

Teknaf	Reporting		Performance		
	# health facilities	# reports received Ukhia Teknaf	Completeness	Timeliness	
Camp 21 Chakmarkul	4	4	100%	100%	
Camp 22 Unchiprang	5	4	80%	80%	
Camp 23 Shamlapur	3	3	100%	67%	
Camp 24 Leda	1	1	100%	100%	
Camp 25 Ali Khali	3	3	100%	100%	
Camp 26 Nayapara	4	3	75%	75%	
Camp 27 Jadimura	2	2	100%	100%	
Nayapara RC	2	2	100%	50%	

Map 4 | Completeness by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang



- 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% 1





Table 7 | Performance by partner (W44 2021)

Partner Perform # sites	Performar	Performance Reporting			Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	0	0			IRC	2	2	100%	100%
AWARD	7	7	100%	100%	MSF	9	8	89%	89%
BASHMAH	1	0	0%	0%	МоН	21	13	62%	62%
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	1	100%	100%	QC	1	1	100%	100%
DCHT-PWJ	0	0			PHD	10	10	100%	100%
FRNDS	7	7	100%	100%	RPN	2	2	100%	100%
GK	10	10	100%	100%	RHU	3	2	67%	67%
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	1	100%	100%	Turkish Government	1	0	0%	0%
ICRC	1	1	100%	100%					
IOM	16	14	88%	88%	TdH	2	2	100%	100%



Table 8 | Performance by camp

Northern group	W44		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
	Al	erts Northern gro	oup	
Camp 1E	3	100%	91	100%
Camp 1W	0	0%	102	98%
Camp 2E	7	100%	357	99%
Camp 2W	3	100%	96	100%
Camp 3	5	100%	173	99%
Camp 4	4	100%	176	100%
Camp 4 Ext	1	100%	38	100%
Camp 5	0	0%	130	98%
Camp 6	2	100%	78	100%
Camp 7	1	100%	34	100%
Camp 8E	1	100%	59	100%
Camp 8W	1	100%	169	99%
Kutupalong RC	2	100%	48	98%

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

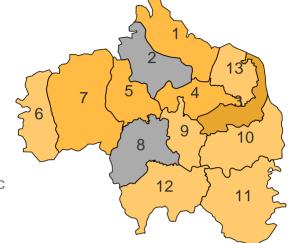






Table 9 | Performance by camp

Southern group	W44		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
	А	lerts Northern gro	oup	
Camp 10	1	100%	87	100%
Camp 11	5	100%	128	99%
Camp 12	2	100%	124	100%
Camp 13	5	100%	133	98%
Camp 14	0	0%	97	98%
Camp 15	1	100%	119	97%
Camp 16	2	100%	130	100%
Camp 17	0	0%	75	100%
Camp 18	2	100%	145	100%
Camp 19	4	100%	89	99%
Camp 20	0	0%	63	100%
Camp 20 Ext	0	0%	58	98%
Camp 9	2	100%	124	97%

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





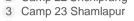


Table 10 | Performance by camp

Teknaf	W44		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
	Al	erts Northern gro	oup	
Camp 21 Chakmarkul	1	100%	32	100%
Camp 22 Unchiprang	1	100%	90	99%
Camp 23 Shamlapur	2	100%	28	100%
Camp 24 Leda	0	0%	72	99%
Camp 25 Ali Khali	1	100%	27	100%
Camp 26 Nayapara	6	100%	136	100%
Camp 27 Jadimura	1	100%	29	100%
Nayapara RC	1	100%	45	100%

Map 7 | Number of alerts by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang



- 4 Camp 24 Leda
- 5 Camp 25 Ali Khali
- 6 Camp 26 Nayapara
- 7 Camp 27 Jadimura
- 8 Nayapara RC









Table 11 | Performance by type of alert

Event	W44		Cumulative (20	21)		
	# alerts	% verif.	# alerts	% verif.		
Indicator-based su	Indicator-based surveillance					
Malaria	0	0%	5	100%		
Measles	8	100%	342	100%		
Bloody Diarr.	0	0%	0	0%		
AFP	0	0%	15	100%		
Meningitis	1	100%	33	100%		
Haem. fever (susp.)	0	0%	11	100%		
NNT	0	0%	4	100%		
Unexp. fever	6	100%	159	100%		
AWD	7	100%	269	100%		
ARI	3	100%	295	100%		
AJS	0	0%	52	100%		
Varicella (Susp.)	0	0%	34	100%		
Suspected COVID-19	0	0%	0	0%		
Event-based surveillance						
EBS total	7	100%	211	100%		

Table 12 | Risk assessment

W44	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 FWARS Bangladesh at http://bd.ewars.ws









Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W44 2021







Proportional morbidity

Figure 1 | Proportional morbidity (W44 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)

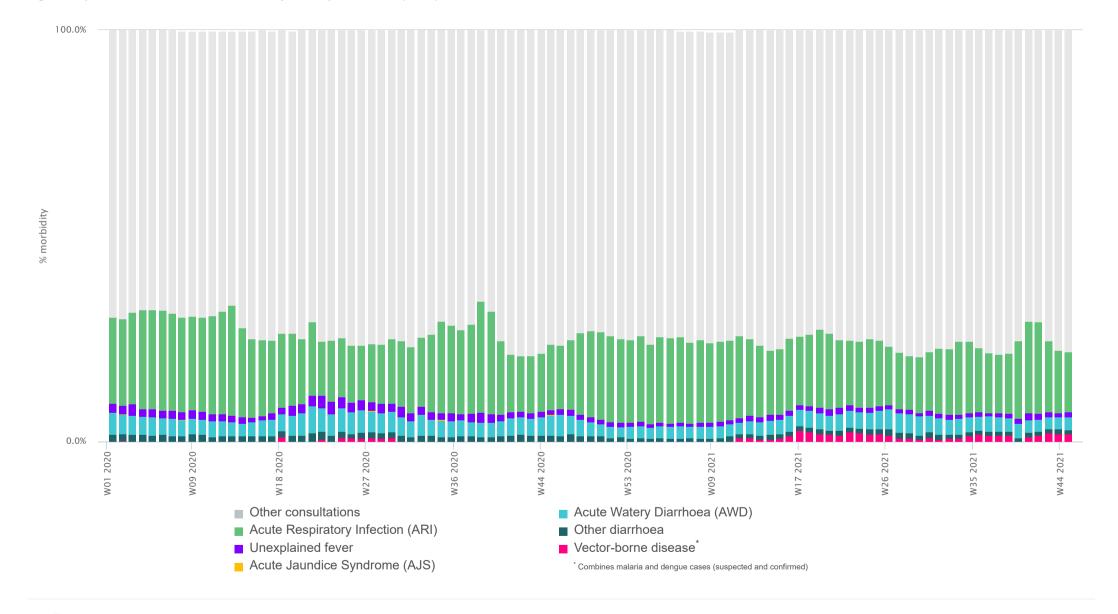
Disease	W44		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	3,052	3.1%	131,347	3.5%
Bloody diarr.	394	0.4%	15,250	0.4%
Other diarr.	992	1.0%	40,483	1.1%
Susp. Varicella	37	0.0%	4,026	0.1%
ARI	14,397	14.7%	660,907	17.5%
Measles/Rub.	15	0.0%	525	0.0%
AFP	0	0.0%	15	0.0%
Susp. menin.	5	0.0%	122	0.0%
AJS	7	0.0%	494	0.0%
Susp. HF	0	0.0%	17	0.0%
Neo. tetanus	0	0.0%	2	0.0%
Adult tetanus	0	0.0%	2	0.0%
Malaria (conf.)	0	0.0%	24	0.0%
Malaria (susp.)	1,706	1.7%	38,066	1.0%
Dengue (conf.)	28	0.0%	311	0.0%
Dengue (susp.)	189	0.2%	456	0.0%
Unexpl. fever	1,104	1.1%	41,585	1.1%
Sev. Malnut.	68	0.1%	1,726	0.0%
Inj./Wounds	2,351	2.4%	98,763	2.6%
Other	73,596	75.1%	2,740,290	72.6%
Total	96,923	100%	3,776,741	100%





Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W44)

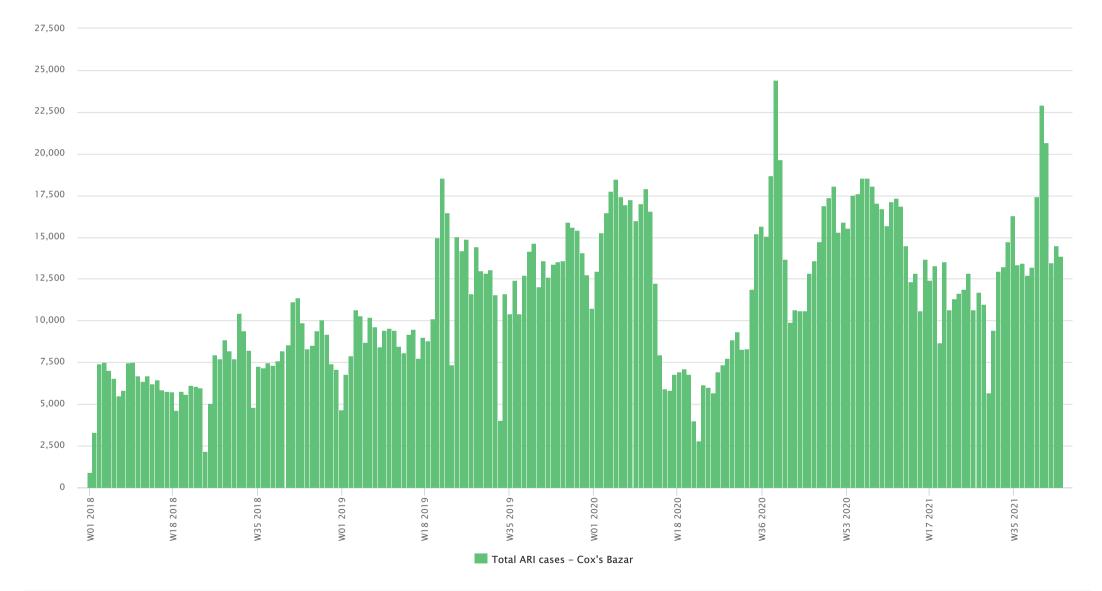






Acute Respiratory Infection | Trend

Figure 3 | Trend in number of cases over time (W38 2017 - W44 2021)







Acute Respiratory Infection | Maps and Alert Management

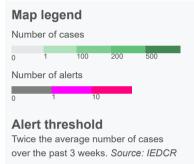
Map 1 | Map of cases by camp (W44 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...

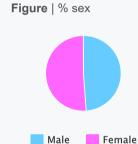




0 0%
Alerts Verified

O Low Risk Moderate Risk **O** High Risk

Very High Risk



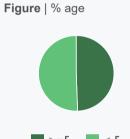
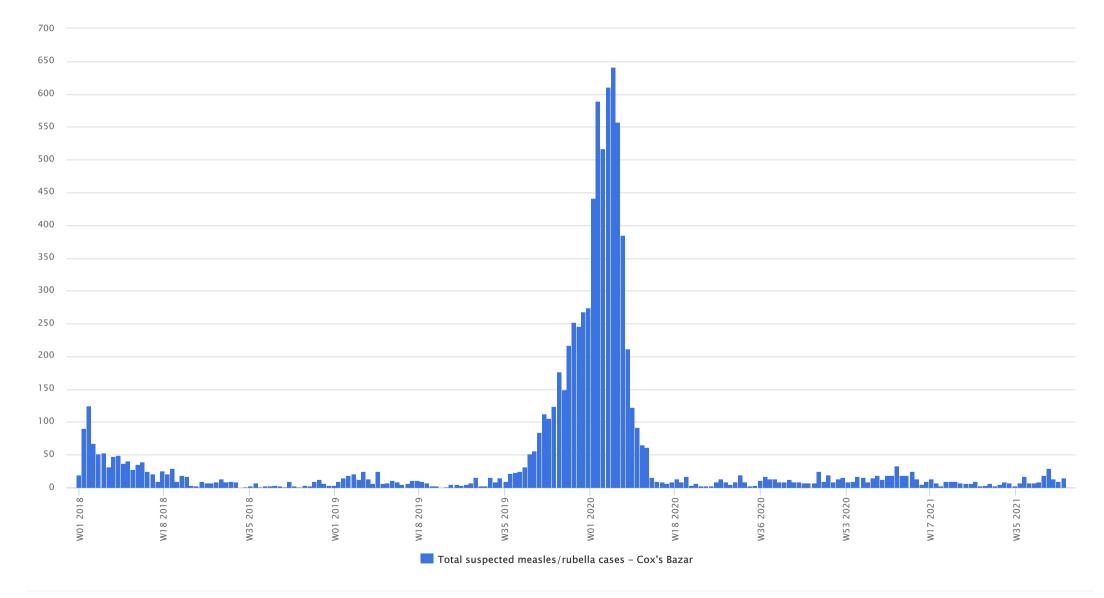




Figure 4 | Trend in number of suspected cases over time (W38 2017 - W44 2021)







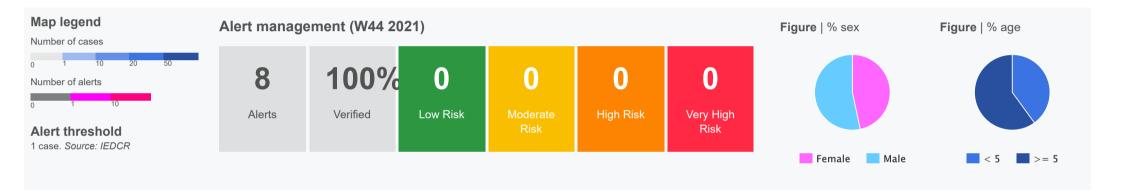
Map 2 | Map of cases by camp (W44 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

d. Teknaf | Number of alerts Loading...

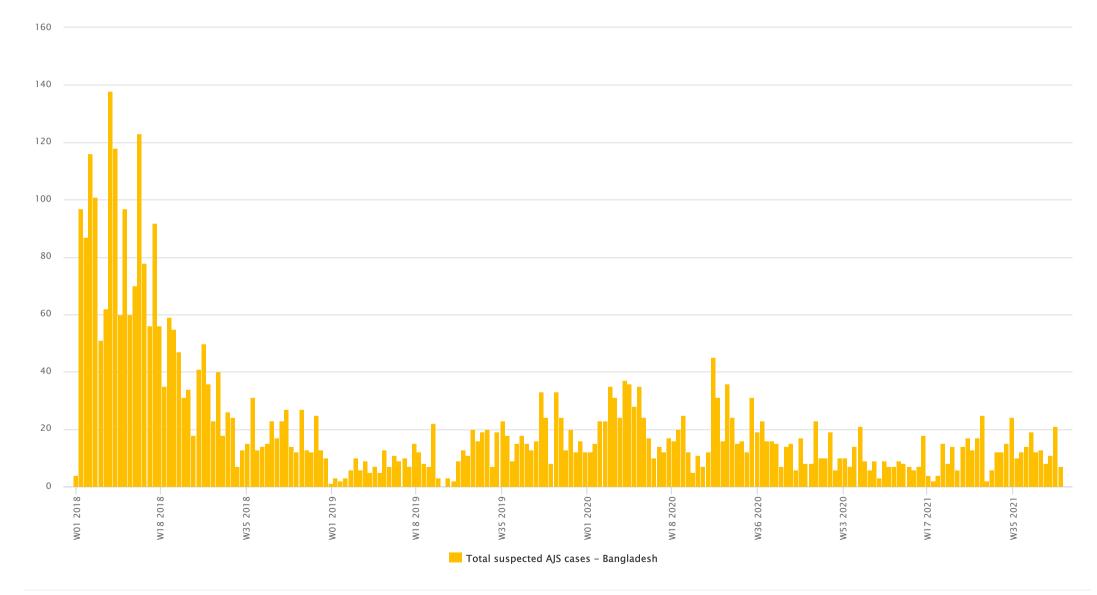






Acute Jaundice Syndrome | Trend

Figure 5 | Trend in number of cases over time (W38 2017 - W44 2021)







Acute Jaundice Syndrome | Maps and Alert Management

Map 3 | Map of cases by camp (W37 2017 - W44 2021)

a. Ukhia | Number of cases Loading...

b. Ukhia | Number of alerts Loading...

c. Teknaf | Number of cases Loading...

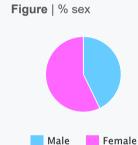
d. Teknaf | Number of alerts Loading...

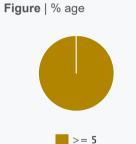




0 0%
Alerts Verified

O Low Risk Moderate Risk O O Very High Risk





Acute Watery Diarrhoea | Trends

Figure 6 | Trend in number of cases over time (W38 2017 - W44 2021)

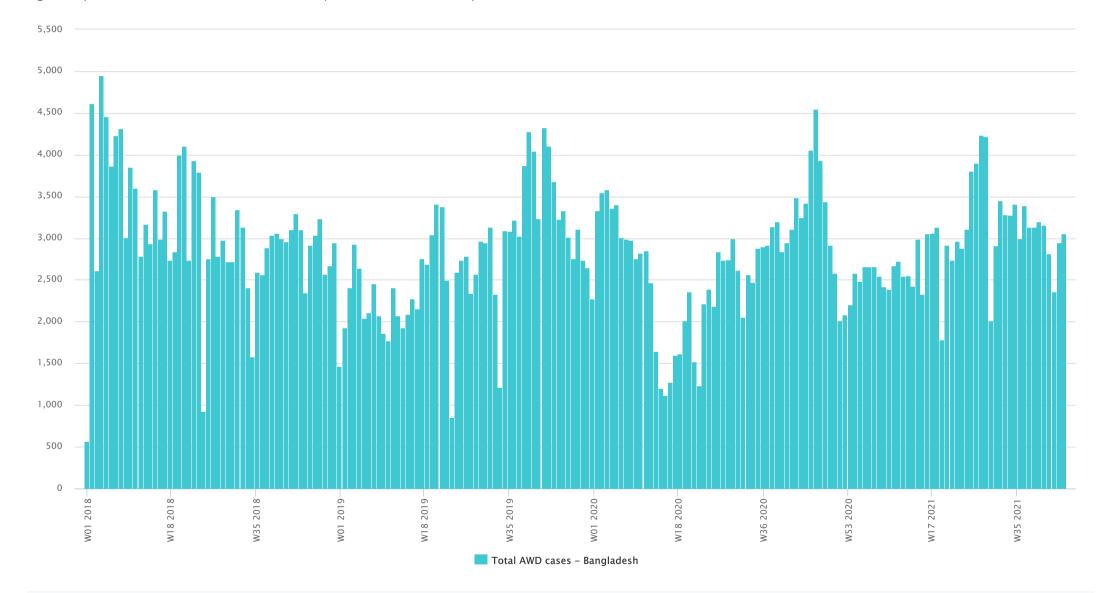
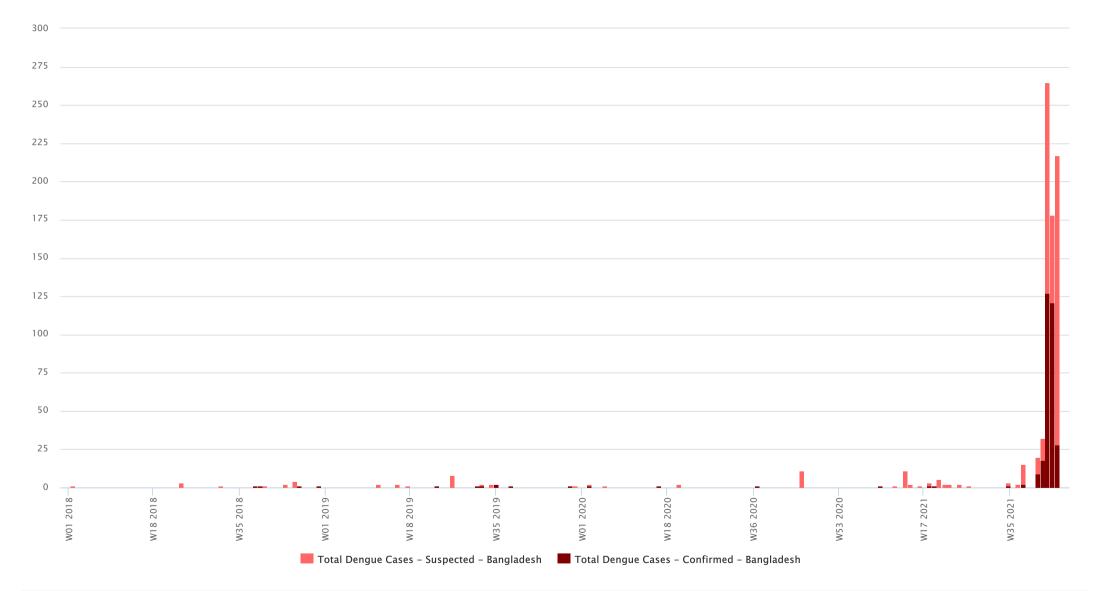






Figure 7 | Trend in number of cases over time (W38 2017 - W44 2021)







Dengue | Maps and Alert Management

Map 4 | Map of cases by camp (W37 2017 - W44 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...



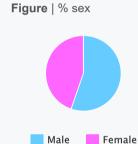


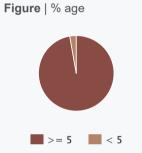
5

Alerts

500% 0
Verified Low Risk

O O O O Very High Risk Risk

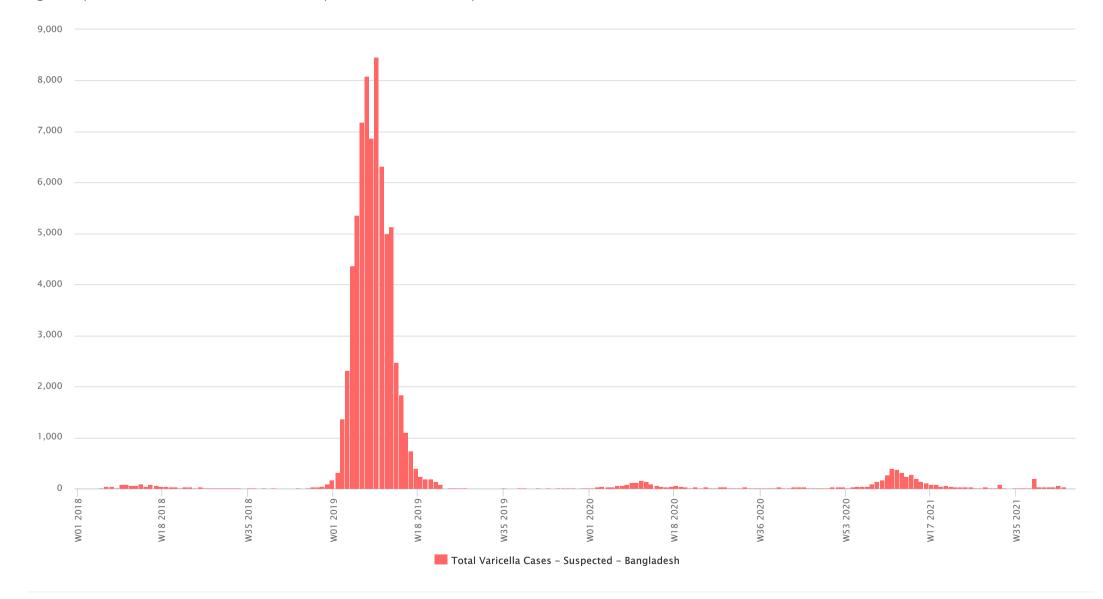






Varicella (Susp.) | Trends

Figure 7 | Trend in number of cases over time (W38 2017 - W44 2021)





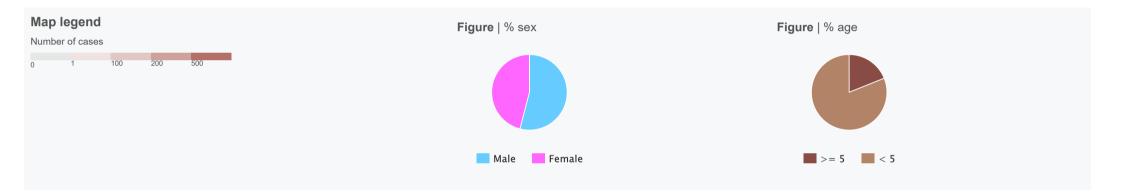


Varicella (Susp.) | Maps

Map 4 | Map of cases by camp (W37 2017 - W44 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

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 ENADS Bangladach at http://bd.augra.w







