

# Epidemiological Highlights

Week 26 (28 Jun- 4 Jul 2021)



As of week 26, (28 June – 4 July 2021) there are 1 854 confirmed cases of COVID-19 (SARS-CoV-2), 49 548 samples were tested, total positivity rate 3.7%.

This week (week 26), 123 new confirmed cases detected, 1 225 samples were tested, test positivity was 10.0%.

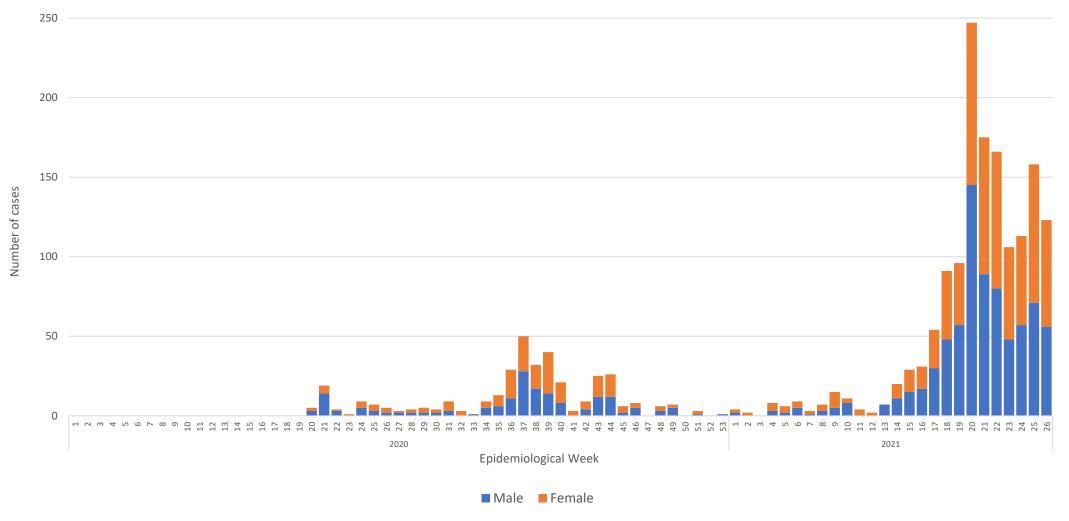
### As of this week (week 26)

- Median age of tested and confirmed cases is 11 (0-120) and 22 (0-100) years
- Female among tested and confirmed cases is 54% and 50%
- All 34/34 camps have confirmed cases (C2W-126, C3-117, C15-115, C24-112 and C4-110)
- A total of 20 deaths from COVID-19 with the case fatality rate 1.1%
- Cases per million in last 7 days 183.8, change in last 7 days 40%





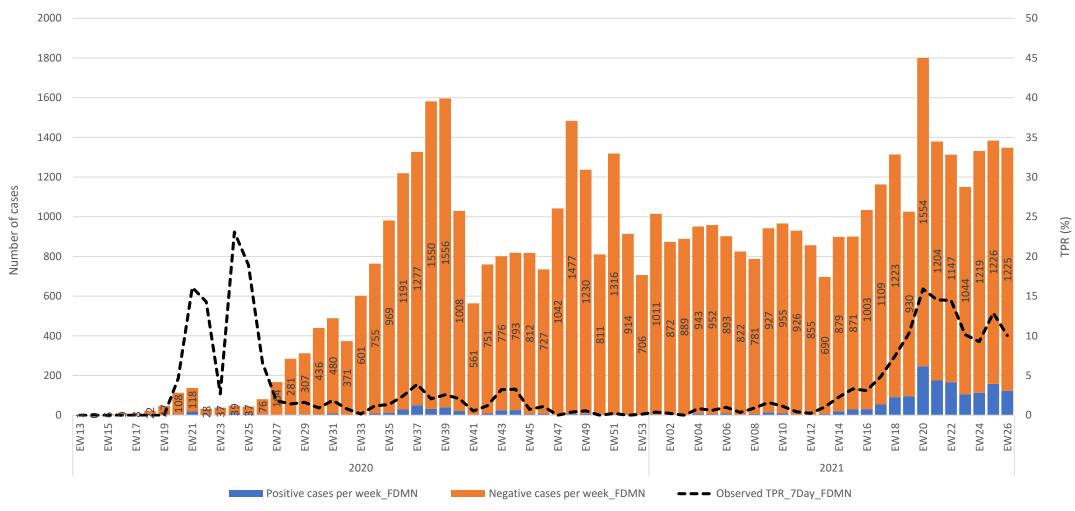








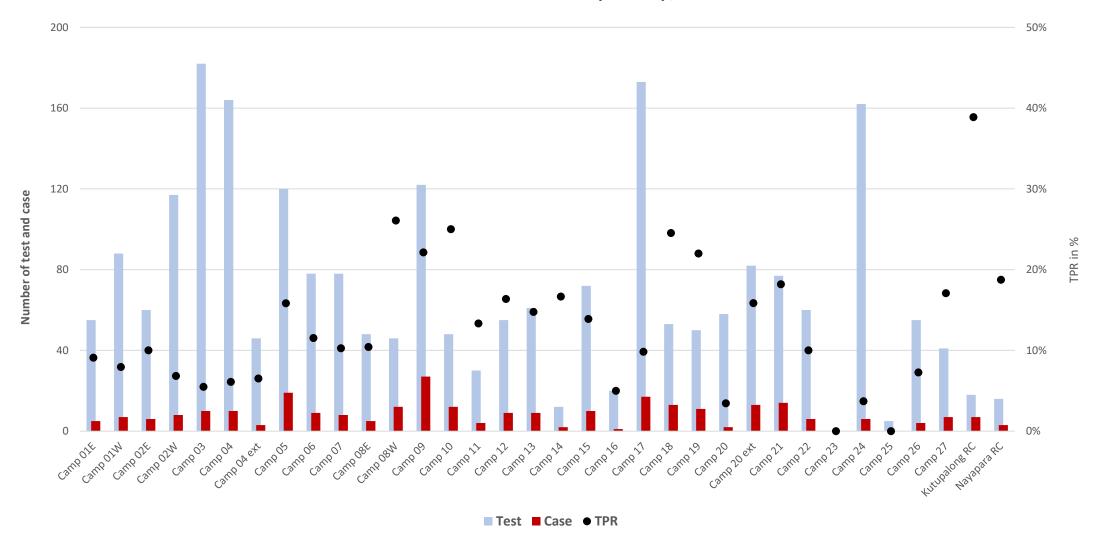
#### Weekly observed TPR, FDMN/Rogingya Refugees, Cox's Bazar





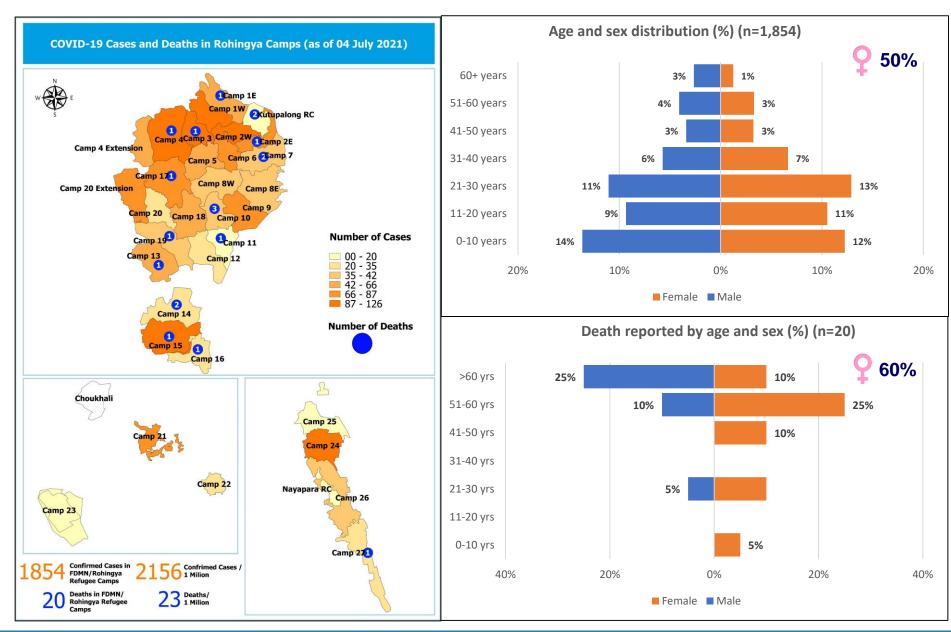


COVID-19 test case and TPR per camp, W25-26



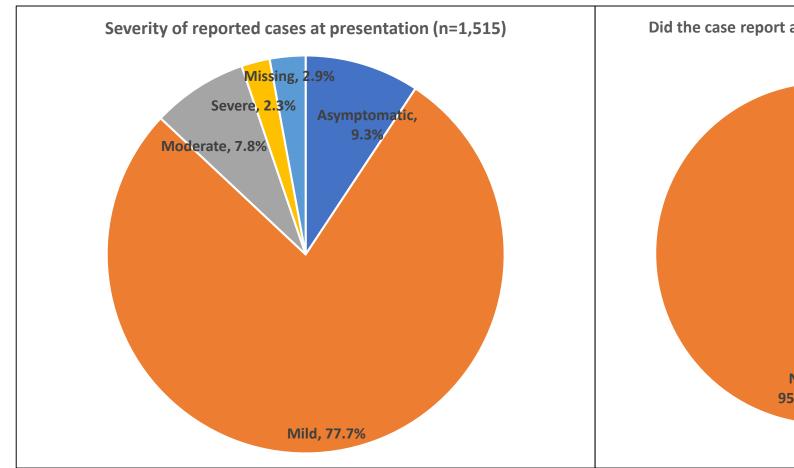


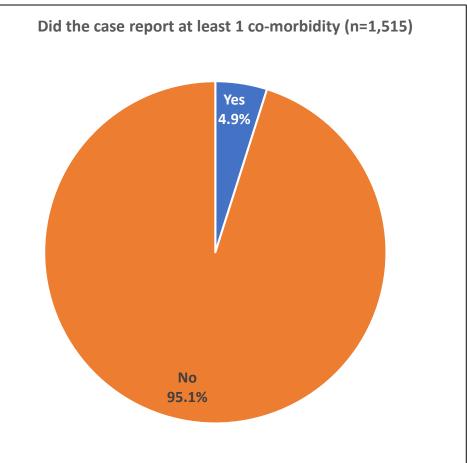












Source: Go.Data





## **Highlights: COVID-19 Contact Tracing**

- Total 1,515 (out of 1,854) 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 3,609 contacts registered for follow up in the Go.Data.
- 2,251 (62.3%) contacts successfully completed the follow up.
- One hundred fifty-four (6.9%) contacts became tested positive for COVID-19 during the incubation period.





## **EWARS Reporting Updates**

- Total 172 health facilities registered in EWARS
- Only 135/172 weekly reports received on time in week 26
- Forty-four (44) alerts were triggered in week 26
- Timeliness of reporting for this week is 78%
- All alerts were reviewed and verified by WHO EWARS team, the number is less than that of previous week (59 in week 25).





## **Highlights:**

- Acute Respiratory Infection (14.8%), Diarrheal Diseases (6.8%) & Unexplained Fever (1.4%) are the diseases with highest proportional morbidity in week 26.
- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
  - Ninety-three (93) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COIVD-19.
  - Total eleven (11) SARI deaths were considered as death due to probable COVID-19 till date.





## **Diphtheria**

No new diphtheria case was reported in go.data in week 26

A total of 9 279 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 803
- Suspected = 6 133

Total case reported in 2021 = 93

- Confirmed = 1
- Probable = 25
- Suspected = 67

Last confirmed case was reported in week 1 (4 January 2021)

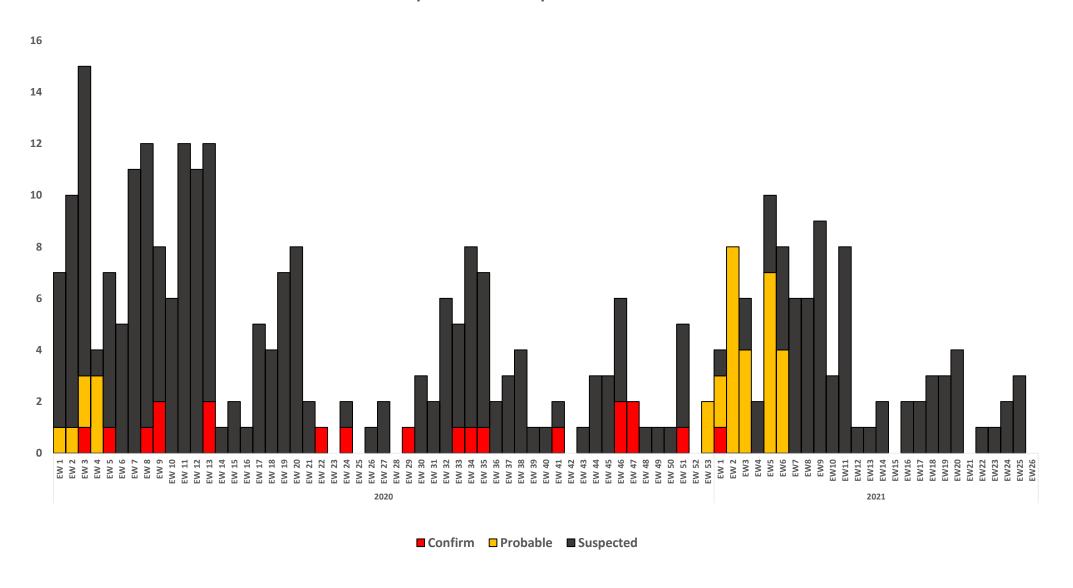
In total 47 deaths were reported, last death reported on 25 October 2019.





## **Diphtheria**

Total number of diphtheria case reported in EWARS from 2020-2021 W26

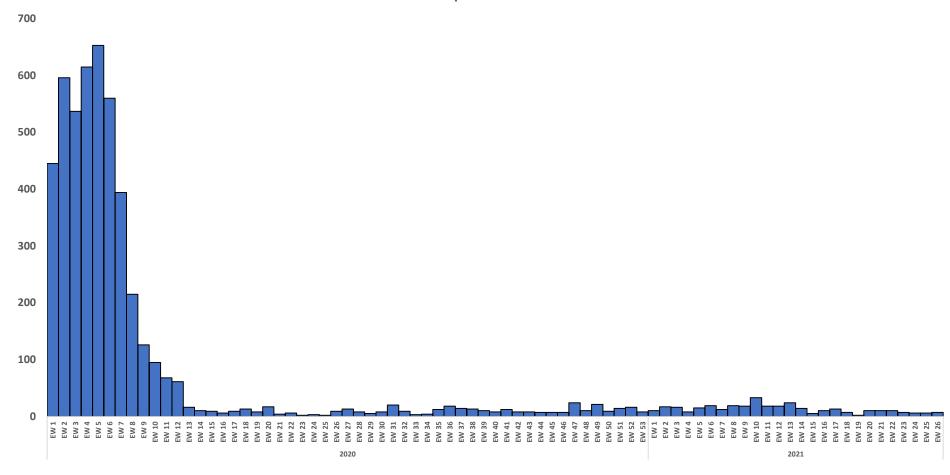






## **Measles**





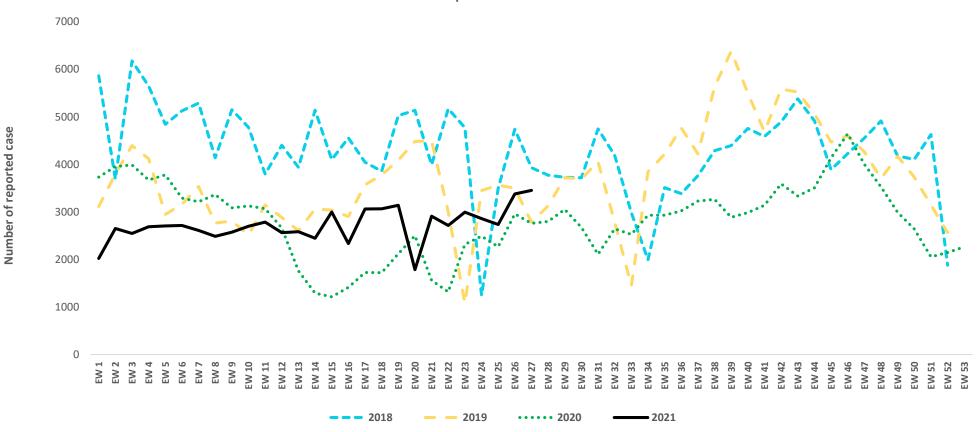
In week 26, 7 suspected measles cases were reported through weekly reporting make 334 cases in total in 2021. Out of those 250 cases (75%) reported through case-based reporting and samples collected for laboratory confirmation.





## **Diarrhoeal Disease**





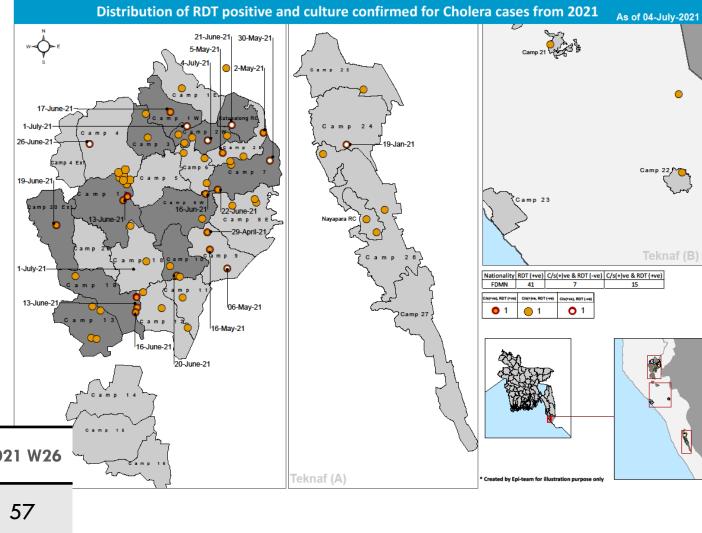
- A total of 4,502 cases of diarrhoeal diseases reported in EWARS in week 26.
- Among which 3,158 cases (4.8%) reported as acute watery diarrhoea (AWD), remaining 1019 (1.5%) and 325 (0.5%) cases as other and bloody diarrhea, respectively.





### Cholera Surveillance

- Total eighty-four (84) Cholera RDT positive/culture cases reported as of W26 2021. Out of those 27 were confirmed by culture, 47 discarded and remaining 10 results yet to be received.
- In 2020, total 28 RDT/Culture positive cases for Cholera detected through sentinel testing. Specifically, 5 became confirmed by culture - 2 from Ukhiya Host, 1 from Teknaf host and 2 from Refugees.



RDT positive for Cholera
 49
 258
 28
 57

 Culture Confirmed for Cholera
 7
 184
 5\*
 27





<sup>\*3</sup> culture confirmed cases were RDT negative in 2020

## **Community-based Mortality surveillance**

In week 26, 37 deaths were recorded -

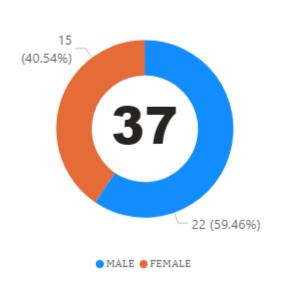
- 65% (n=24) were due to causes classified as "Others"
- 14% (n=5) as still birth (Born Dead)
- 19% (n=7) as neonatal (<28 days old)</li>
- 2% (n=1) as severe acute respiratory infection (SARI)
- Out of reported deaths, 40.5% occurred in health facilities and 54.0% at homes and 5.4 at community/public place.
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.



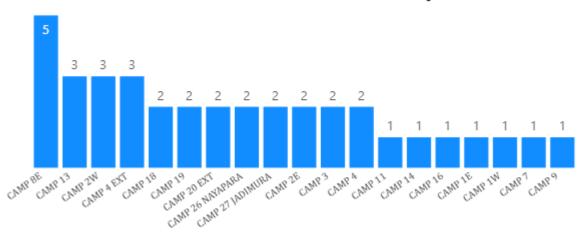


## **Community-based Mortality Surveillance**

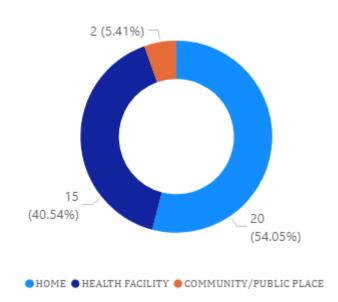
#### **Gender distribution**



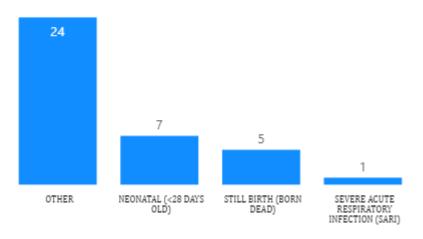
#### **Distribution of deceased Camp**



#### Place of death



#### Distribution of Probable cause of death







# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W26 2021







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#### Sources of data

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







#### Highlights W26 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population <sup>1</sup>
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
174	99%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W26	Cumulative (2021)				
135	4181	Number of weekly reports received			
78%	89%	Completeness			
70%	83%	Timeliness			

Table 3 Alert performance indicators

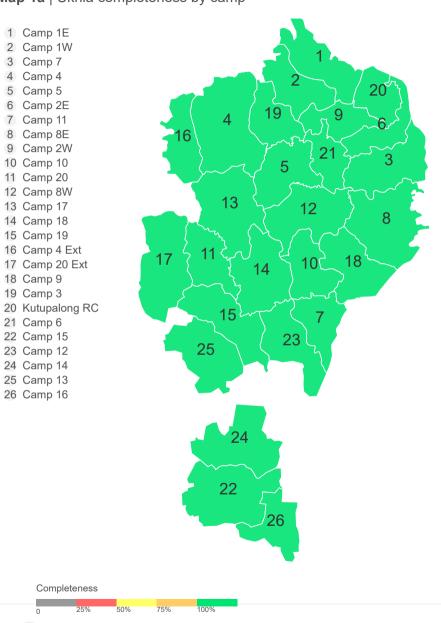
W26	Cumulative (2021)				
44	1,751	Total alerts raised			
100%	100%	% verified			
0%	0%	% auto-discarded			
0%	1%	% undergoing risk assessment			
0%	1%	% completed risk assessment			



<sup>&</sup>lt;sup>1</sup> 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

4

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





Completeness
0 25% 50% 75% 100%

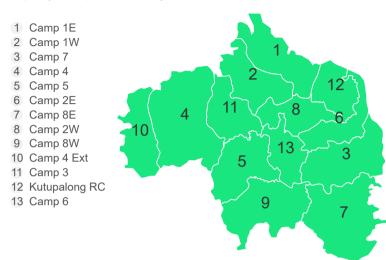




Table 4 | Performance by camp (W26 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
	Uk	thia Northern Gro	oup	
Camp 1E	4	3	75%	75%
Camp 1W	4	2	50%	50%
Camp 2E	3	3	100%	100%
Camp 2W	4	3	75%	75%
Camp 3	6	5	83%	83%
Camp 4	6	4	67%	67%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	3	1	33%	33%
Camp 7	5	3	60%	60%
Camp 8E	8	6	75%	75%
Camp 8W	5	4	80%	80%
Kutupalong RC	2	2	100%	100%

#### Map 2 | Completeness by camp



Completeness





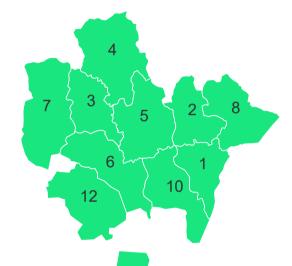


**Table 5** | Performance by camp (W26 2021)

Southern group	Reporting		Performance	e
	# health facilities	# reports received	Completeness	Timeliness
	Uk	hia Southern Gro	oup	
Camp 10	4	4	100%	100%
Camp 11	9	7	78%	78%
Camp 12	6	5	83%	83%
Camp 13	9	9	100%	89%
Camp 14	7	5	71%	71%
Camp 15	9	6	67%	44%
Camp 16	6	5	83%	83%
Camp 17	5	5	100%	60%
Camp 18	5	5	100%	100%
Camp 19	6	5	83%	67%
Camp 20	3	3	100%	67%
Camp 20 Ext	2	2	100%	50%
Camp 9	6	3	50%	50%

#### Map 3 | Completeness by camp

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









#### Early Warning | Teknaf

**Table 6** | Performance by camp (W26 2021)

Teknaf	Reporting		Performance		
	# health facilities	# reports received Ukhia Teknaf	Completeness	Timeliness	
Camp 21 Chakmarkul	4	4	100%	100%	
Camp 22 Unchiprang	4	4	100%	100%	
Camp 23 Shamlapur	3	2	67%	67%	
Camp 24 Leda	1	1	100%	100%	
Camp 25 Ali Khali	3	3	100%	67%	
Camp 26 Nayapara	4	4	100%	75%	
Camp 27 Jadimura	3	1	33%	33%	
Nayapara RC	2	2	100%	100%	

#### Map 4 | Completeness by camp

- 1 Nayapara RC
- 2 Camp 27 Jadimura



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







Completeness 75%





**Table 7** | Performance by partner (W26 2021)

Partner Performance		Performance Reporting Part		Partner	Performa	Performance Rep		eporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AWARD	7	5	71%	71%	IRC	2	2	100%	100%
BASHMAH	1	1	100%	100%	MSF	9	6	67%	67%
BDRCS	12	11	92%	92%	МоН	21	13	62%	62%
BRAC	11	11	100%	100%	Hope	1	0	0%	0%
CARE	4	4	100%	100%	Medair	2	2	100%	100%
DAM	2	2	100%	100%	FH/MTI	3	3	100%	100%
DBC	1	1	100%	100%	PRANTIC	1	1	100%	100%
DSK	1	0	0%	0%	PULSE	1	0	0%	0%
DCHT	12	11	92%	92%	QC	1	1	100%	100%
FRNDS	10	0	0%	0%	PHD	10	10	100%	100%
GK	10	8	80%	80%	PWJ	0	0		
Global One	1	1	100%	0%	RPN	2	2	100%	100%
GUSS	1	1	100%	100%	RHU	3	3	100%	100%
HAEFA	2	0	0%	0%	RI	3	3	100%	100%
HAIB	8	8	100%	100%	RTMI	9	8	89%	89%
HMBDF	2	2	100%	100%	SALT	1	1	100%	100%
HOPE	12	11	92%	92%	SCI	7	7	100%	100%
HTN	0	0			SHED	0	0		
ICRC	2	0	0%	0%	Turkish Government	1	0	0%	0%
IOM	15	14	93%	93%	TdH	2	1	50%	50%





Table 8 | Performance by camp

Northern group	W26		Cumulati	Cumulative (2021)		
	# alerts	% verif.	# alerts	% verif.		
		Alerts Northern	group			
Camp 1E	0	0%	35	100%		
Camp 1W	1	100%	52	100%		
Camp 2E	11	100%	164	99%		
Camp 2W	4	100%	42	100%		
Camp 3	3	100%	82	100%		
Camp 4	3	100%	85	100%		
Camp 4 Ext	2	100%	16	100%		
Camp 5	1	100%	82	100%		
Camp 6	0	0%	41	100%		
Camp 7	0	0%	16	100%		
Camp 8E	0	0%	21	100%		
Camp 8W	2	100%	89	100%		
Kutupalong RC	0	0%	18	100%		

#### Map 5 | Number of alerts by camp

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

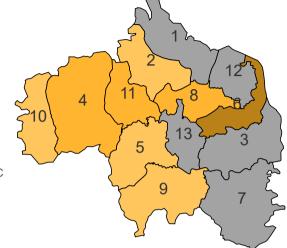






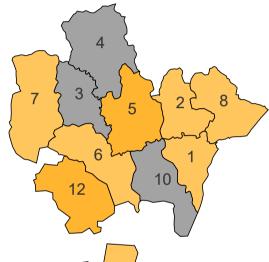


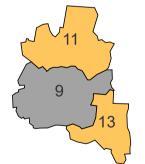
Table 9 | Performance by camp

Southern group	W26		Cumulative (2021)		
	# alerts	% verif.	# alerts	% verif.	
		Alerts Northern	group		
Camp 10	2	100%	56	100%	
Camp 11	1	100%	63	100%	
Camp 12	0	0%	62	100%	
Camp 13	3	100%	71	100%	
Camp 14	1	100%	47	100%	
Camp 15	0	0%	66	100%	
Camp 16	1	100%	74	100%	
Camp 17	0	0%	52	100%	
Camp 18	4	100%	85	100%	
Camp 19	1	100%	44	100%	
Camp 20	0	0%	38	100%	
Camp 20 Ext	1	100%	25	100%	
Camp 9	1	100%	67	100%	

#### Map 6 | Number of alerts by camp

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











#### Table 10 | Performance by camp

Teknaf	W26		Cumulative (2021)			
	# alerts	% verif.	# alerts	% verif.		
Alerts Northern group						
Camp 21 Chakmarkul	0	0%	16	100%		
Camp 22 Unchiprang	0	0%	40	100%		
Camp 23 Shamlapur	0	0%	15	100%		
Camp 24 Leda	0	0%	39	100%		
Camp 25 Ali Khali	0	0%	14	100%		
Camp 26 Nayapara	2	100%	70	100%		
Camp 27 Jadimura	0	0%	10	100%		
Nayapara RC	0	0%	27	100%		

#### Map 7 | Number of alerts by camp

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









**Table 11** | Performance by type of alert

Event	W26		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based so	urveillance			
Malaria	0	0%	3	100%
Measles	5	100%	222	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	8	100%
Meningitis	0	0%	23	100%
Haem. fever (susp.)	0	0%	5	100%
NNT	0	0%	1	100%
Unexp. fever	0	0%	75	100%
AWD	1	100%	160	100%
ARI	0	0%	126	100%
AJS	1	100%	21	100%
Varicella (Susp.)	0	0%	30	100%
Suspected COVID-19	0	0%	0	0%
Event-based surv	eillance			
EBS total	3	100%	123	100%

Table 12 | Risk assessment

W26	Cumulative (2021)	
0	18	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 <a href="http://ewars-project.org">http://ewars-project.org</a>

Sign up for an account with EWARS Rangladach at http://hd awars u









# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W26 2021







#### **Proportional morbidity**

Figure 1 | Proportional morbidity (W26 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\*

<sup>\*</sup> Combines malaria and dengue cases (suspected and confirmed)

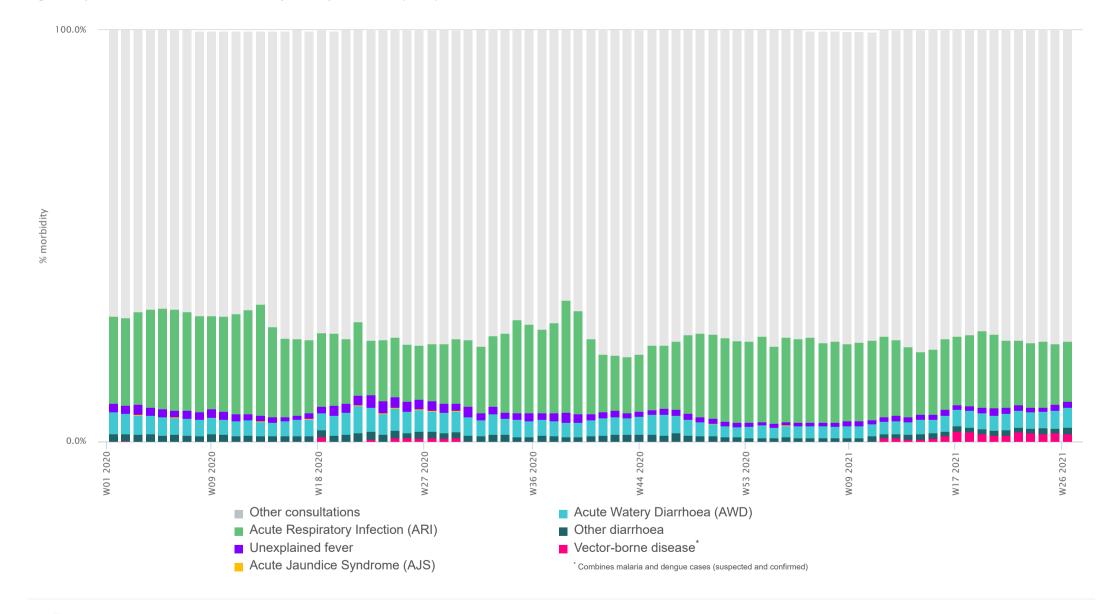
Disease	W26		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	3,158	4.8%	73,355	3.4%
Bloody diarr.	325	0.5%	8,781	0.4%
Other diarr.	1,019	1.5%	24,905	1.1%
Susp. Varicella	16	0.0%	3,311	0.2%
ARI	9,715	14.8%	393,919	18.0%
Measles/Rub.	6	0.0%	341	0.0%
AFP	0	0.0%	7	0.0%
Susp. menin.	1	0.0%	75	0.0%
AJS	7	0.0%	255	0.0%
Susp. HF	0	0.0%	5	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	11	0.0%
Malaria (conf.)	0	0.0%	11	0.0%
Malaria (susp.)	1,294	2.0%	18,813	0.9%
Dengue (conf.)	0	0.0%	3	0.0%
Dengue (susp.)	1	0.0%	29	0.0%
Unexpl. fever	910	1.4%	24,676	1.1%
Sev. Malnut.	20	0.0%	917	0.0%
Inj./Wounds	1,949	3.0%	58,297	2.7%
Other	47,337	72.0%	1,574,706	72.1%
Total	64,877	100%	2,183,607	100%





#### Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W26)

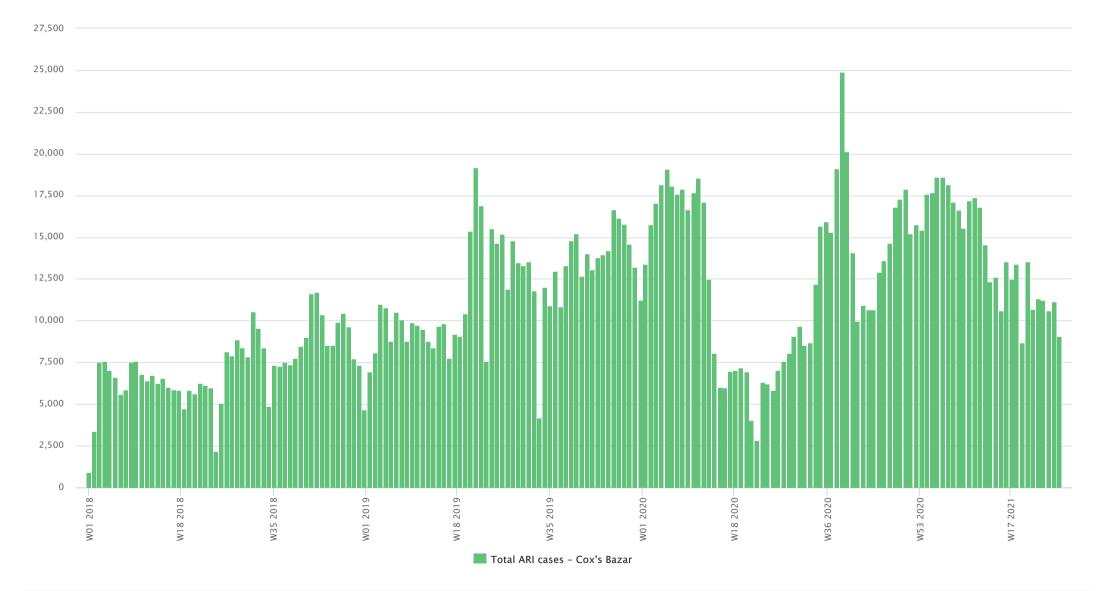






#### Acute Respiratory Infection | Trend

Figure 3 | Trend in number of cases over time (W38 2017 - W26 2021)

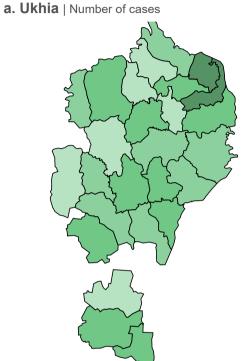






#### **Map 1** | Map of cases by camp (W26 2021)





b. Ukhia | Number of alerts



c. Teknaf | Number of cases





d. Teknaf | Number of alerts









#### Map legend



#### Alert threshold

Twice the average number of cases over the past 3 weeks. *Source: IEDCR* 

#### Alert management (W26 2021)













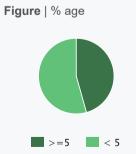
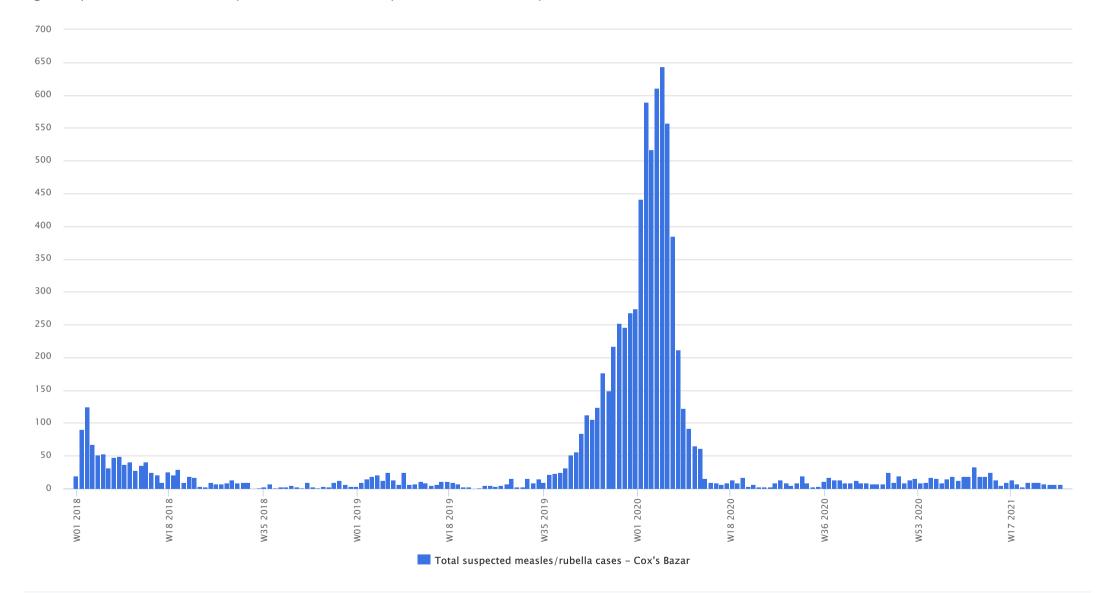


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W26 2021)

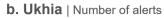


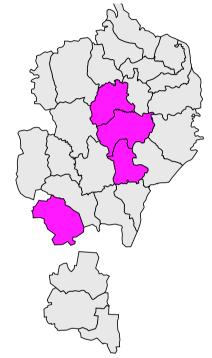




#### **Map 2** | Map of cases by camp (W26 2021)

a. Ukhia | Number of cases





#### c. Teknaf | Number of cases





#### d. Teknaf | Number of alerts





0





# Map legend Number of cases 0 1 10 20 50 Number of alerts 0 1 10 Alert threshold 1 case. Source: IEDCR

#### Alert management (W26 2021)

**5**Alerts

100% Verified

**O** Low Risk Moderate Risk

**O** igh Risk

**O** Very High Risk

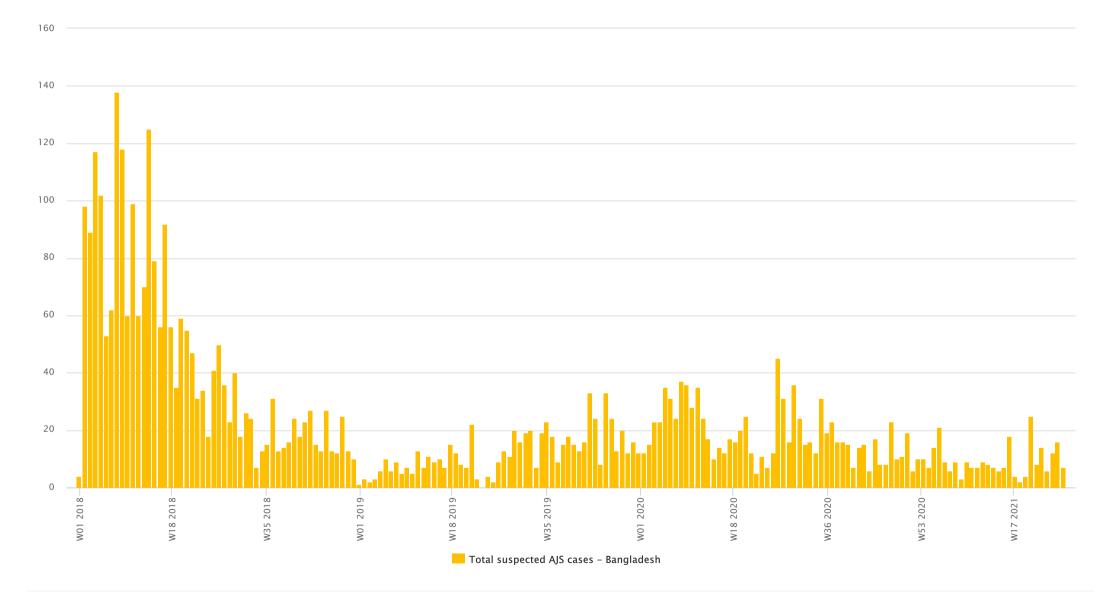






#### Acute Jaundice Syndrome | Trend

Figure 5 | Trend in number of cases over time (W38 2017 - W26 2021)





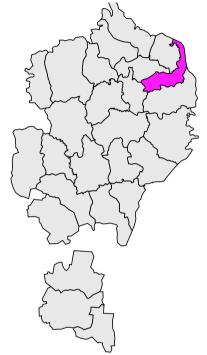


Map 3 | Map of cases by camp (W37 2017 - W26 2021)

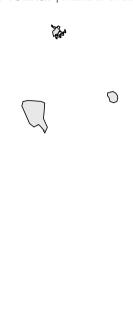
a. Ukhia | Number of cases

b. Ukhia | N





#### c. Teknaf | Number of cases



#### d. Teknaf | Number of alerts





0



## Map legend



#### Alert threshold

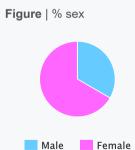
A cluster of 3 or more cases seen in a health facility. Source: IEDCR

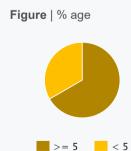
#### Alert management (W26 2021)



O Low Risk

Moderate Risk **O** ligh Risk **O** Very High Risk









#### Acute Watery Diarrhoea | Trends

Figure 6 | Trend in number of cases over time (W38 2017 - W26 2021)

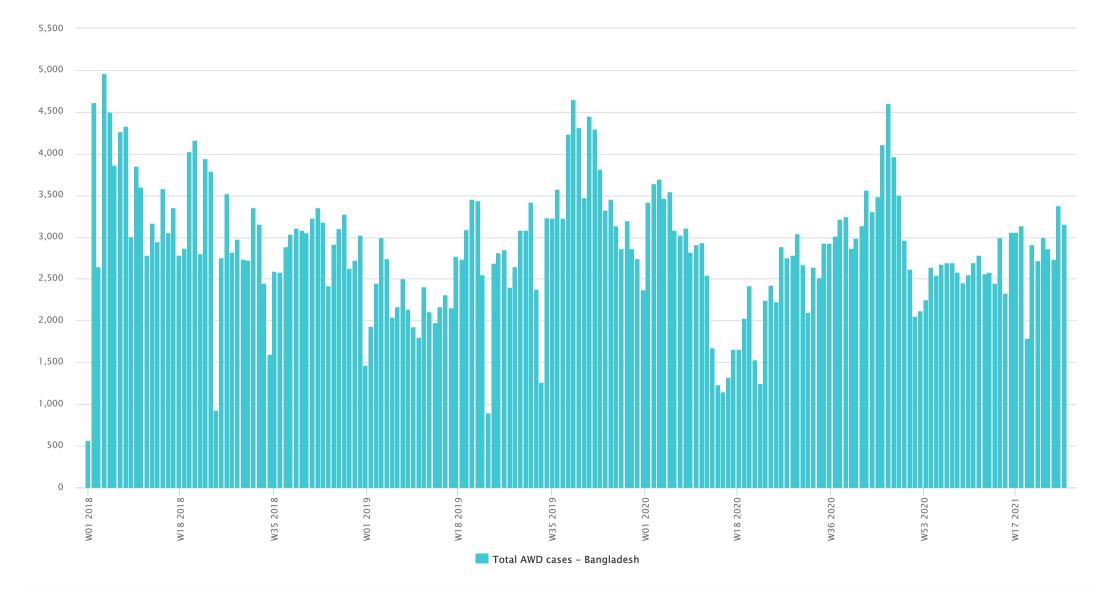
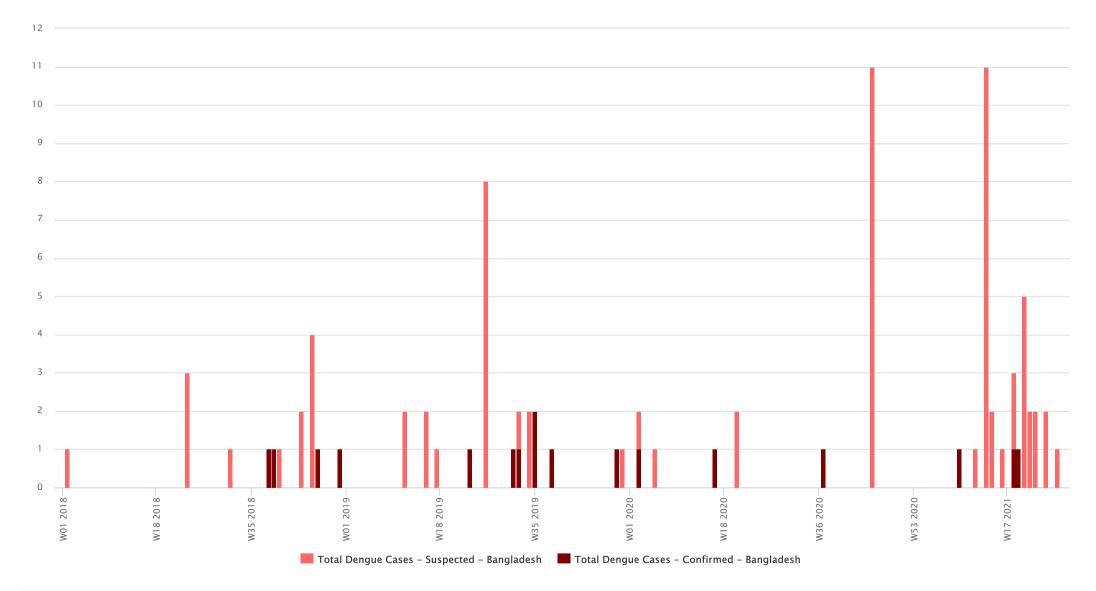






Figure 7 | Trend in number of cases over time (W38 2017 - W26 2021)





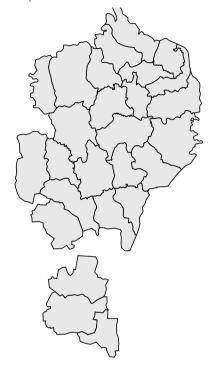


Map 4 | Map of cases by camp (W37 2017 - W26 2021)

a. Ukhia | Number of cases



b. Ukhia | Number of alerts



c. Teknaf | Number of cases





d. Teknaf | Number of alerts





0





# Map legend Number of cases 1 100 200 500 Number of alerts 1 10 Alert threshold Twice the average number of cases over the past 3 weeks. Source: IEDCR

Alert management (W26 2021)

**O**Alerts

0% Verified **O** Low Risk

Moderate Risk

**O** High Risk

Very High



Figure | % age

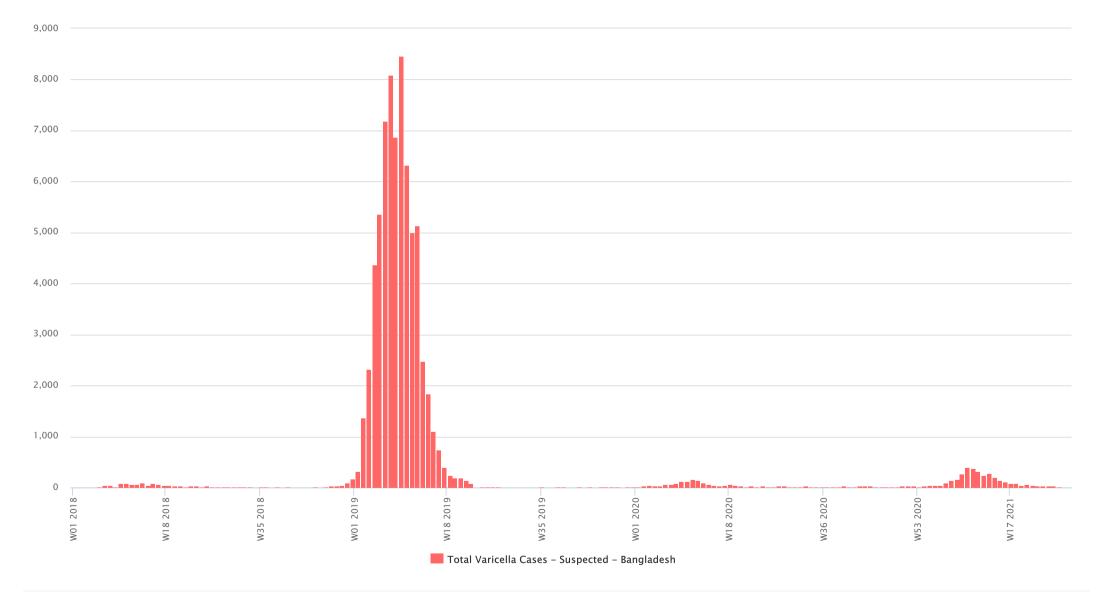


**■** >= 3



#### Varicella (Susp.) | Trends

Figure 7 | Trend in number of cases over time (W38 2017 - W26 2021)



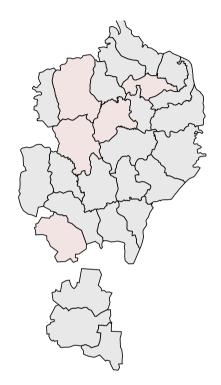




#### Varicella (Susp.) | Maps

**Map 4** | Map of cases by camp (W37 2017 - W26 2021)

a. Ukhia | Number of cases



c. Teknaf | Number of cases





O





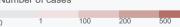


Figure | % sex

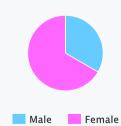


Figure | % age





## 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 <a href="http://ewars-project.org">http://ewars-project.org</a>

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







