

# Epidemiological Highlights

Week 36 (6-12 Sep 2021)



As of week 36, (6-12 Sep 2021) there are 2,975 confirmed cases of COVID-19 (SARS-CoV-2) out of 61,366 samples that have been tested. The total positivity rate now stands 4.8%.

In the reporting week, 53 new confirmed cases were detected out of 1,287 total samples that were tested. This translates to 4.1% Test Positivity Rate.

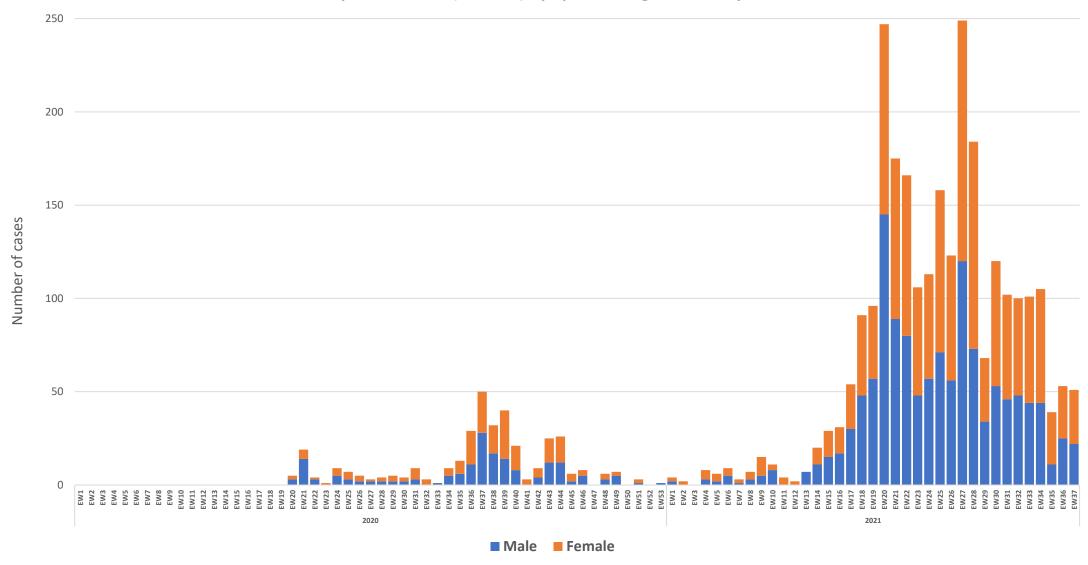
### As of this week (week 36)

- Median ages of tested and confirmed cases are 11 (0-120) and 21 (0-100) years
- Female among tested and confirmed cases is 54% and 52%
- All 34/34 camps have confirmed cases (C24-181, C3-180, C2W-164, C15-162 and C17-158)
- The total confirmed COVID-19 deaths until the end of Epi Week 37 are 32 with the case fatality rate being 1.1%
- The Weekly Incidence 61.6 cases/1million population, which 36% decline from Epi Week 35





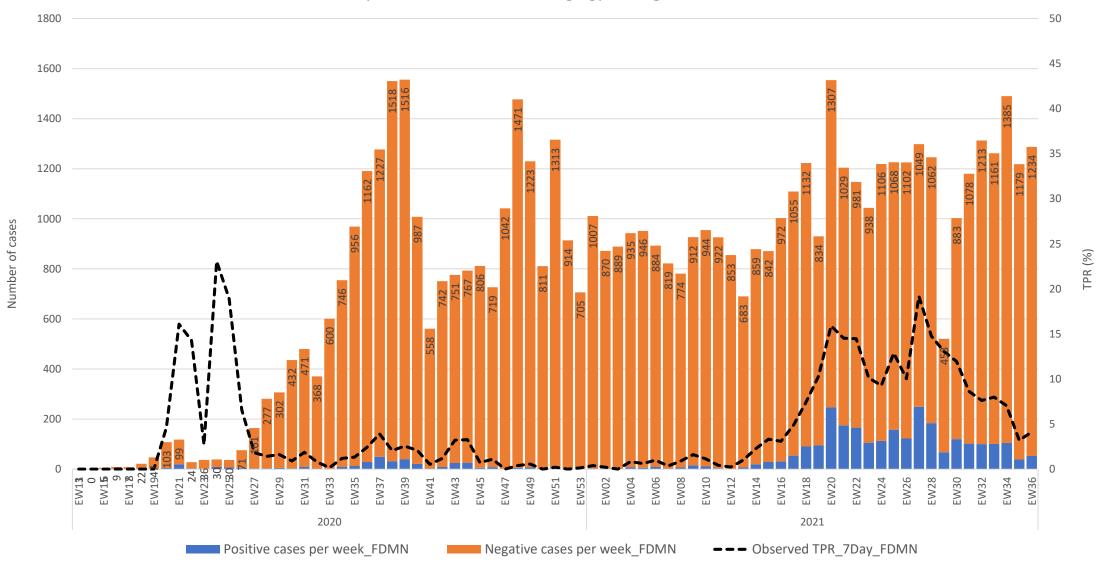
COVID-19 positive cases (n=2,975) by epidemiological week by date of test





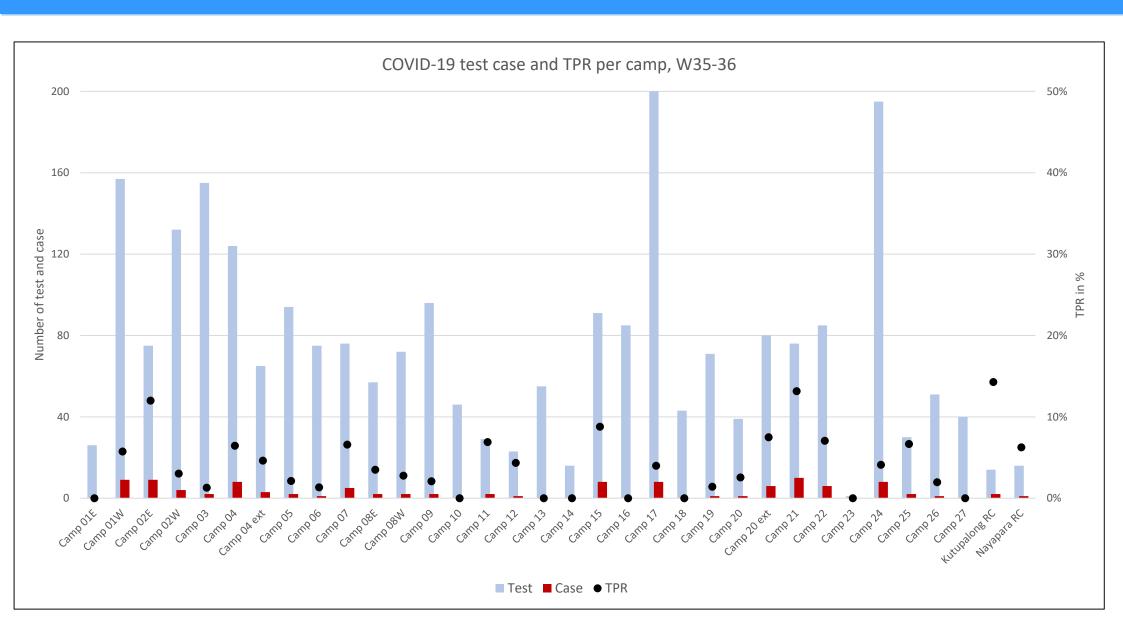


Weekly observed TPR, FDMN/Rogingya Refugees, Cox's Bazar



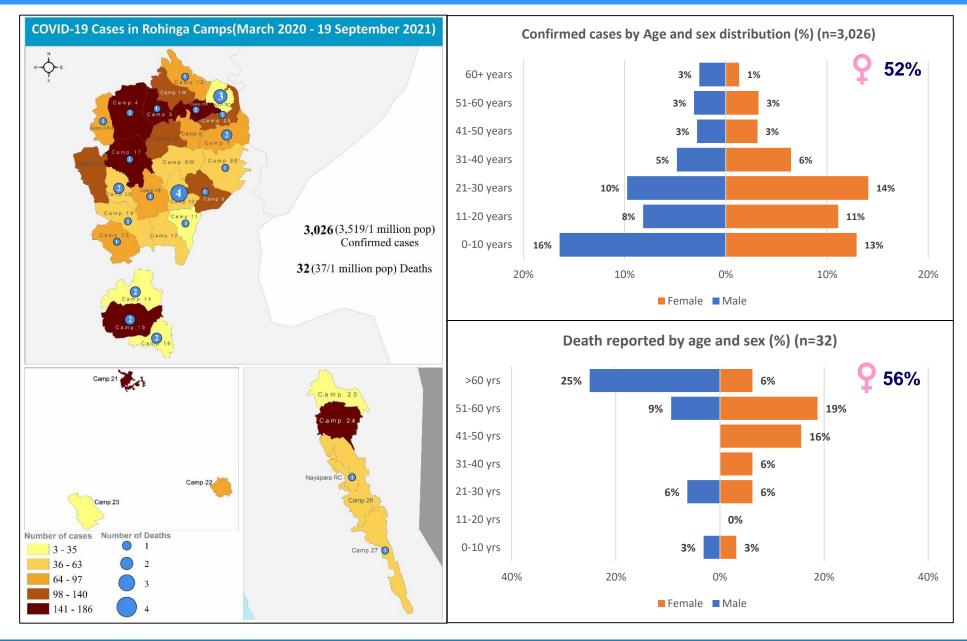








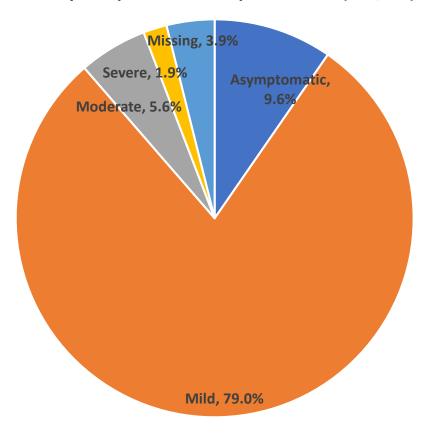




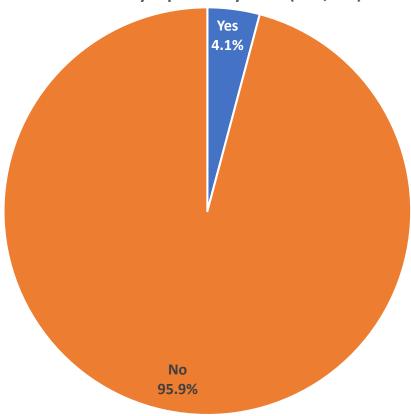




Severity of reported cases at presentation (n=2,824)



Comorbidity Among Covid-19 Cases: At least 1 comorbidity reported by case (n=2,824)



Source: Go.Data





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

Indicator	Identified	Registered in Go.Data	Percentage
Total Case reported	3026	2824	93%
Contact	10239	7001	68%
Follow up completed	7001	4328	62%
Contact tested positive	296	296	7%

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).





# **EWARS Reporting Updates**

- Total 169 health facilities registered in EWARS
- Only 145/169 weekly reports received on time in week 36
- Fifty-two (52) alerts were triggered in week 36
- Timeliness of reporting for this week is 86%
- All alerts were reviewed and verified by WHO EWARS team, the number is more than that of previous week (44 in week 35).





# **Highlights:**

- Acute Respiratory Infection (13.9%), Diarrheal Diseases (4.9%) & Unexplained Fever (1.0%) are the diseases with highest proportional morbidity in week 36.
- Monitoring of Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
  - One hundred and thirty-two (132) 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**

One (1) confirmed and 2 suspected diphtheria case were reported in go.data in week 36

Last confirmed case was reported in week 36 (10 September 2021)

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

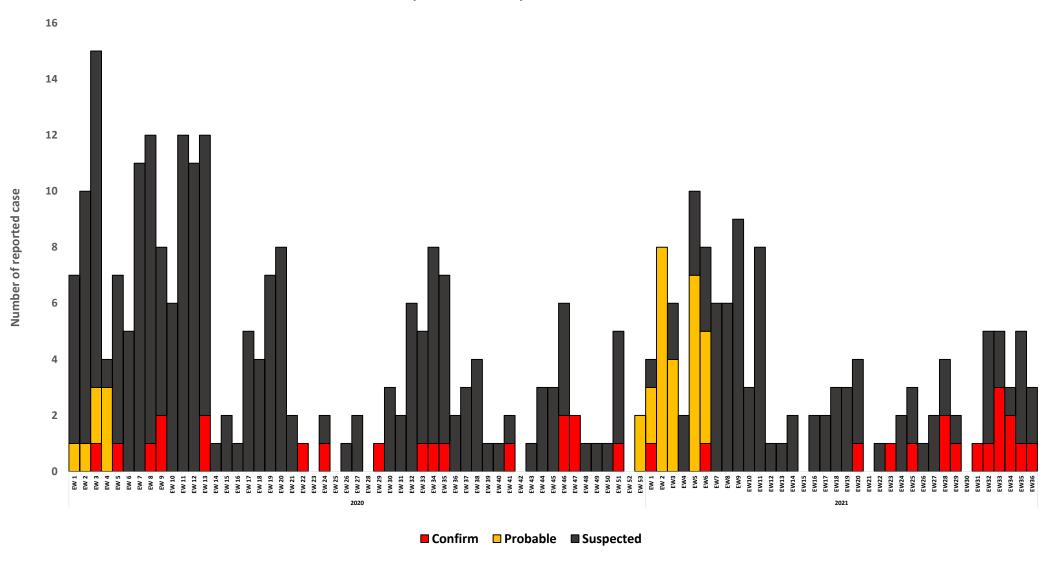
Classification	2017	2018	2019	2020	2021
Confirmed	66	226	31	19	17
Probable	1154	1555	60	9	25
Suspected	1796	3549	523	198	84
Death	30	14	3	0	0





# **Diphtheria**

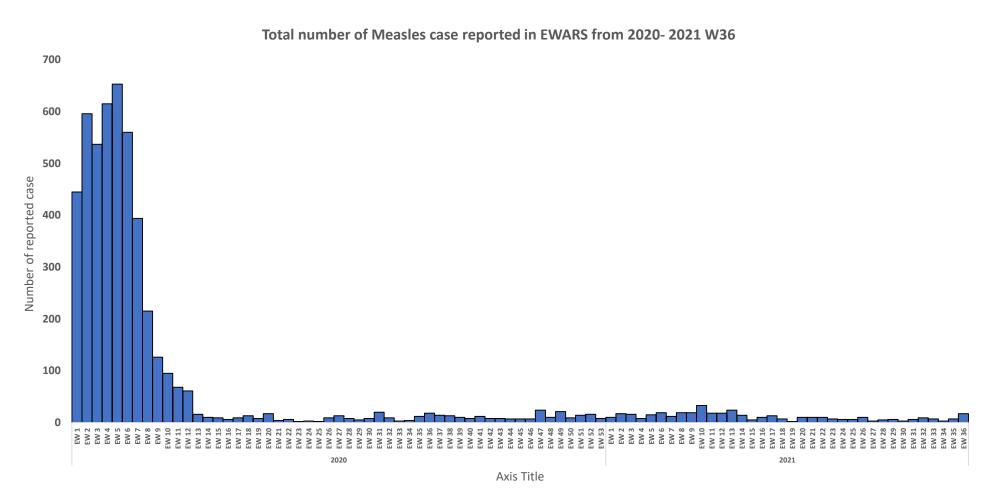
Total number of diphtheria case reported in EWARS from 2020-2021 W36







### **Measles**

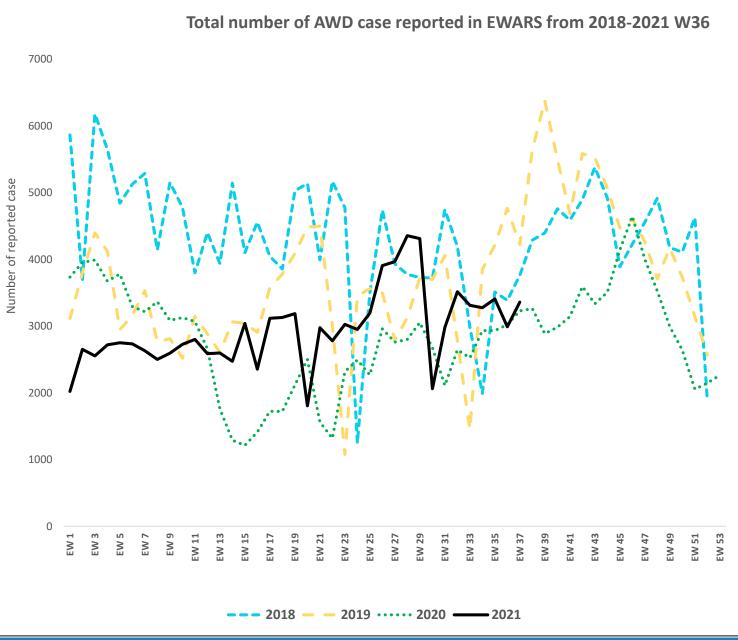


In week 36, 7 suspected measles cases were reported through weekly reporting, this brings cumulative suspected measles cases to 404 in 2021. Out of the 404 total suspected cases, 281 cases (70%) reported through case-based reporting and samples collected for laboratory confirmation.

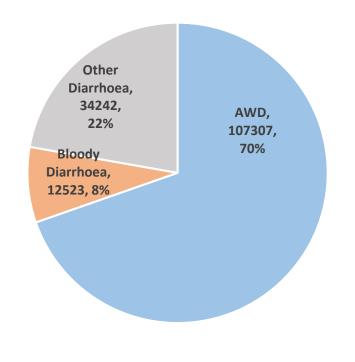




## **Diarrhoeal Disease**



Different diarrhoeal disease category reported in EWARS from 1-35,2021

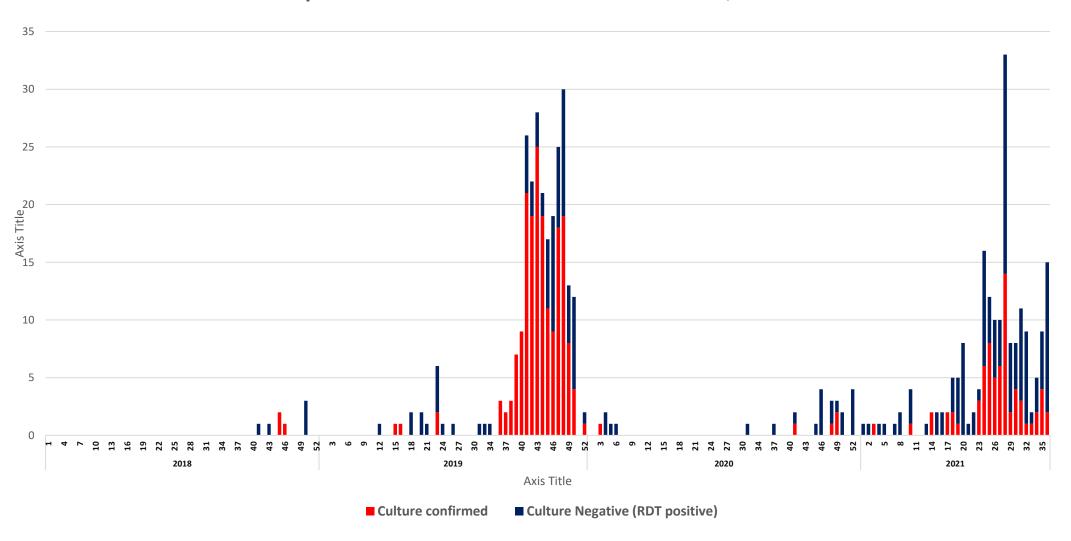






## Cholera Surveillance

### RDT positive & culture confirmed cholera cases, 2018-21







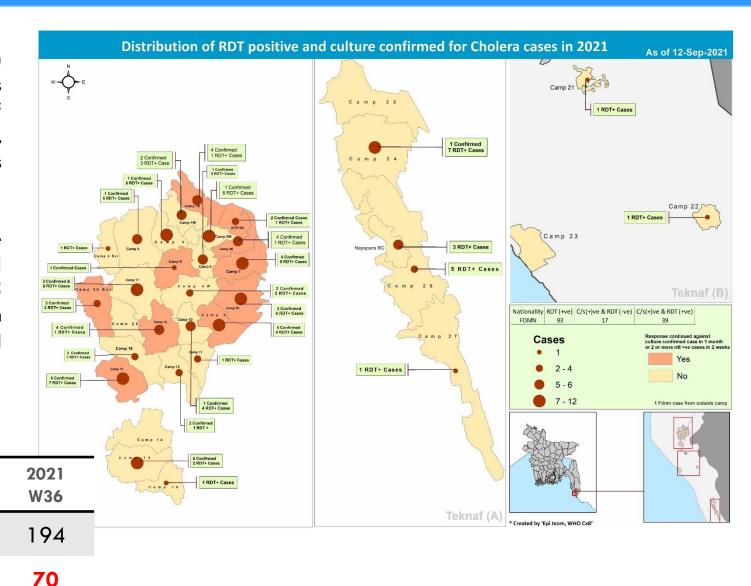
### Cholera Surveillance

- Total one hundred ninety-four (194)
   Cholera RDT positive/culture cases reported as of W36 2021. Out of those 70 were confirmed by culture, 93 discarded and remaining results 26 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.

2018

49

7



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





2019

258

184

2020

28

**5**\*

**RDT** positive/culture

**Culture confirmed** 

for Cholera

confirmed for Cholera

# Community-based Mortality surveillance(n=1414)

Probable Cause of Death	Week 36	In 2021
Still Birth	1 (3%)	193 (14%)
Neonatal Death (<28 days old)	2 (7%)	148 (11%)
Infectious Disease	0 (0%)	34 (2%)
Severe Acute Respiratory Infection (SARI)	0 (0%)	34 (2%)
Injury	1 (3%)	31 (2%)
Maternal Death	0 (0%)	39 (3%)
Other	26 (87%)	935 (66%)

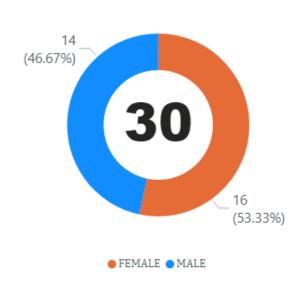
- Out of reported deaths, 33.3% occurred in health facilities and 60% at homes and 6.6% at community/public place
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.



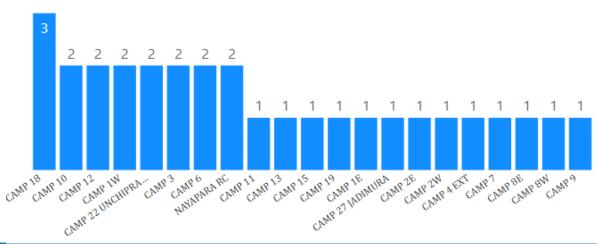


## **Community-based Mortality Surveillance**

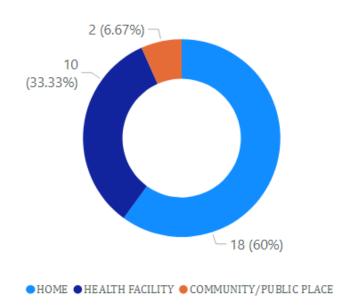
#### **Gender distribution**



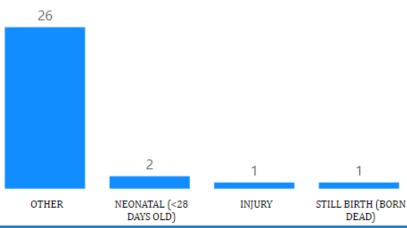
#### **Distribution of deceased Camp**



#### Place of death



#### Distribution of Probable cause of death







# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W36 2021







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#### Sources of data

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





### Highlights W36 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
169	97%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W36	Cumulative (2021)		
145	5849	Number of weekly reports received	
86%	92%	Completeness	
86%	85%	Timeliness	

Table 3 Alert performance indicators

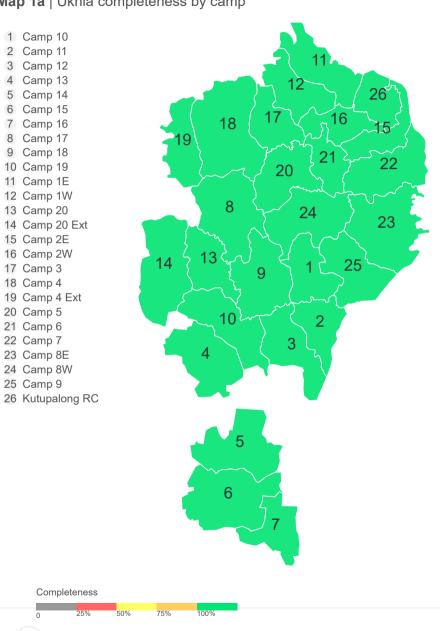
W36	Cumulative (2021)		
52	2,349	Total alerts raised	
100%	100%	% verified	
0%	0%	% auto-discarded	
0%	1%	% undergoing risk assessment	
0%	1%	% completed risk assessment	



<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

- 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

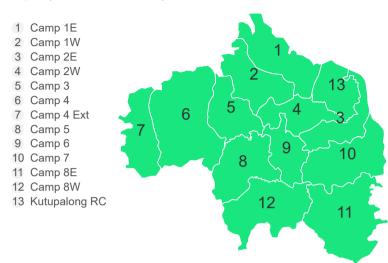
75%



Table 4 | Performance by camp (W36 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	3	75%	75%
Camp 2E	3	3	100%	100%
Camp 2W	4	4	100%	100%
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	2	100%	100%
Camp 7	5	4	80%	80%
Camp 8E	8	8	100%	100%
Camp 8W	4	4	100%	100%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp



Completeness 75%



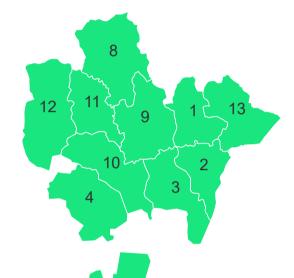


**Table 5** | Performance by camp (W36 2021)

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	5	83%	83%
Camp 13	9	9	100%	100%
Camp 14	7	6	86%	86%
Camp 15	9	7	78%	78%
Camp 16	6	4	67%	67%
Camp 17	5	4	80%	80%
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	6	4	67%	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 12 Camp 20 Ext
- 13 Camp 9









### Early Warning | Teknaf

**Table 6** | Performance by camp (W36 2021)

Teknaf	Reporting		Performance	Э
	# health facilities	# reports received Ukhia Teknaf	Completeness	Timeliness
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	4	3	75%	75%
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	2	50%	50%
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





**Table 7** | Performance by partner (W36 2021)

Partner	Performance		Reporting	Reporting		Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	1	0	0%	0%	IRC	2	0	0%	0%
AWARD	7	6	86%	86%	MSF	9	4	44%	44%
BASHMAH	1	0	0%	0%	МоН	21	14	67%	67%
BDRCS	11	11	100%	100%	MHI	2	2	100%	100%
BRAC	11	11	100%	100%	Medair	2	2	100%	100%
CARE	4	4	100%	100%	FH/MTI	3	3	100%	100%
DAM	2	2	100%	100%	PRANTIC	1	1	100%	100%
DBC	1	1	100%	100%	PULSE	1	0	0%	0%
DSK	1	0	0%	0%	QC	1	1	100%	100%
DCHT	2	2	100%	100%	PHD	10	10	100%	100%
FRNDS	7	6	86%	86%	RPN	2	2	100%	100%
GK	10	10	100%	100%	RHU	3	3	100%	100%
Global One	1	0	0%	0%	RI	3	3	100%	100%
GUSS	1	1	100%	100%	RTMI	9	9	100%	100%
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	1	0	0%	0%
ICRC	1	0	0%	0%	Government	2	2	100%	1009/
IOM	15	14	93%	93%	TdH	2	2	100%	100%





Table 8 | Performance by camp

Northern group	W36		Cumulati	Cumulative (2021)		
	# alerts	% verif.	# alerts	% verif.		
		Alerts Northern	group			
Camp 1E	3	100%	58	100%		
Camp 1W	2	100%	65	100%		
Camp 2E	8	100%	232	100%		
Camp 2W	2	100%	55	100%		
Camp 3	5	100%	117	100%		
Camp 4	1	100%	131	100%		
Camp 4 Ext	1	100%	22	100%		
Camp 5	0	0%	92	100%		
Camp 6	1	100%	55	100%		
Camp 7	0	0%	24	100%		
Camp 8E	3	100%	35	100%		
Camp 8W	1	100%	115	100%		
Kutupalong RC	0	0%	21	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
- 7 Camp 4 Ext
- 8 Camp 5
- 9 Camp 6
- 10 Camp 7
- 11 Camp 8E
- 12 Camp 8W
- 13 Kutupalong RC

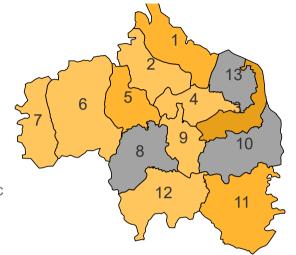


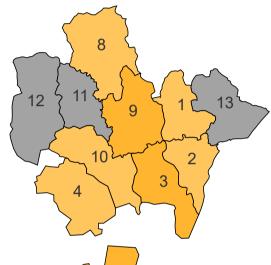


Table 9 | Performance by camp

Southern group	W36		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
	Α	erts Northern gro	oup	
Camp 10	2	100%	74	100%
Camp 11	1	100%	82	100%
Camp 12	3	100%	77	100%
Camp 13	1	100%	94	100%
Camp 14	3	100%	70	100%
Camp 15	1	100%	86	100%
Camp 16	2	100%	93	100%
Camp 17	1	100%	61	100%
Camp 18	4	100%	114	99%
Camp 19	2	100%	61	100%
Camp 20	0	0%	48	100%
Camp 20 Ext	0	0%	37	100%
Camp 9	0	0%	93	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
- 12 Camp 20 Ext
- 13 Camp 9











#### Table 10 | Performance by camp

Teknaf	W36		Cumulative	(2021)
	# alerts	% verif.	# alerts	% verif.
	Ale	erts Northern gro	up	
Camp 21 Chakmarkul	0	0%	19	100%
Camp 22 Unchiprang	2	100%	59	100%
Camp 23 Shamlapur	1	100%	17	100%
Camp 24 Leda	0	0%	49	100%
Camp 25 Ali Khali	0	0%	21	100%
Camp 26 Nayapara	0	0%	83	99%
Camp 27 Jadimura	0	0%	11	100%
Nayapara RC	1	100%	37	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	W36		Cumulative (2021)			
	# alerts	% verif.	# alerts	% verif.		
Indicator-based so	urveillance					
Malaria	0	0%	4	100%		
Measles	7	100%	270	100%		
Bloody Diarr.	0	0%	0	0%		
AFP	0	0%	9	100%		
Meningitis	0	0%	26	100%		
Haem. fever (susp.)	0	0%	8	100%		
NNT	0	0%	2	100%		
Unexp. fever	3	100%	107	100%		
AWD	8	100%	222	100%		
ARI	4	100%	210	100%		
AJS	1	100%	36	100%		
Varicella (Susp.)	0	0%	32	97%		
Suspected COVID-19	0	0%	0	0%		
Event-based surveillance						
EBS total	0	0%	161	99%		

Table 12 | Risk assessment

W36	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:

Dr. Shownam Barua Medical Officer - Civil Surgeon Office (MO-CS) Ministry of Health and Family Welfare Cox's Bazar, Bangladesh

Telephone: +88 01723350483

Email: bshownam49@gmail.com

Dr. Feroz Hayat Khan National Professional Officer (Disease Surveillance & Epidemiology) World Health Organization Cox's Bazar, Bangladesh

Telephone: +88 017 0120 2994

Email: khan@who.int

#### **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://bd.cu/ara.u









# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W36 2021







### **Proportional morbidity**

Figure 1 | Proportional morbidity (W36 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)

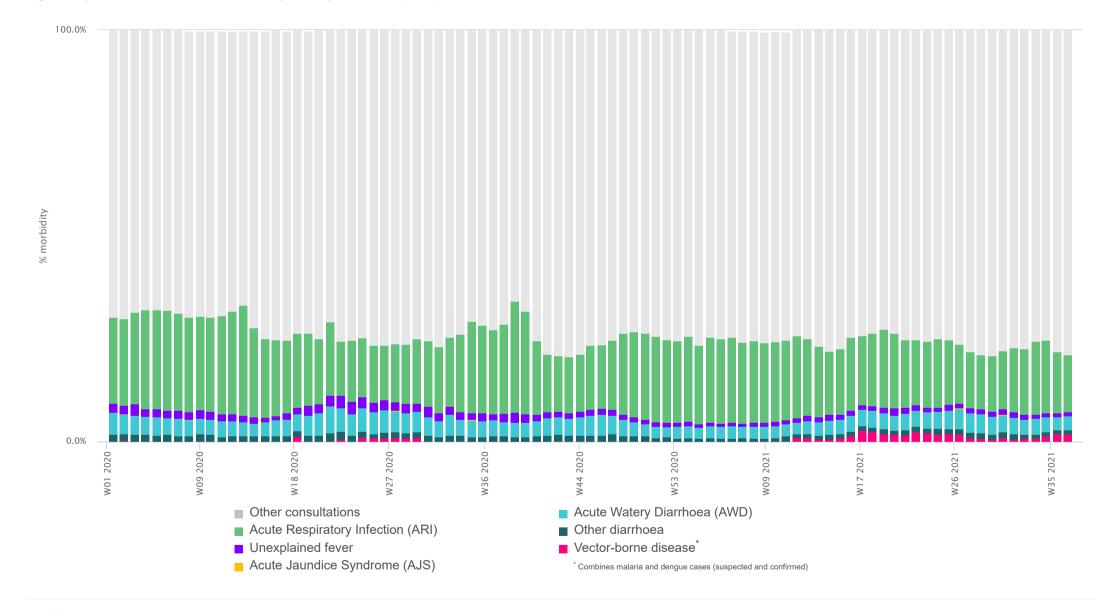
Disease	W36		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,824	3.3%	105,723	3.5%
Bloody diarr.	306	0.4%	12,422	0.4%
Other diarr.	983	1.2%	33,008	1.1%
Susp. Varicella	18	0.0%	3,559	0.1%
ARI	11,765	13.9%	520,272	17.4%
Measles/Rub.	17	0.0%	412	0.0%
AFP	0	0.0%	9	0.0%
Susp. menin.	0	0.0%	94	0.0%
AJS	7	0.0%	376	0.0%
Susp. HF	0	0.0%	14	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	2	0.0%
Malaria (conf.)	1	0.0%	18	0.0%
Malaria (susp.)	1,467	1.7%	27,405	0.9%
Dengue (conf.)	0	0.0%	4	0.0%
Dengue (susp.)	2	0.0%	33	0.0%
Unexpl. fever	806	1.0%	33,579	1.1%
Sev. Malnut.	18	0.0%	1,202	0.0%
Inj./Wounds	1,772	2.1%	79,636	2.7%
Other	64,643	76.3%	2,168,241	72.6%
Total	83,888	100%	2,987,695	100%





### Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W36)

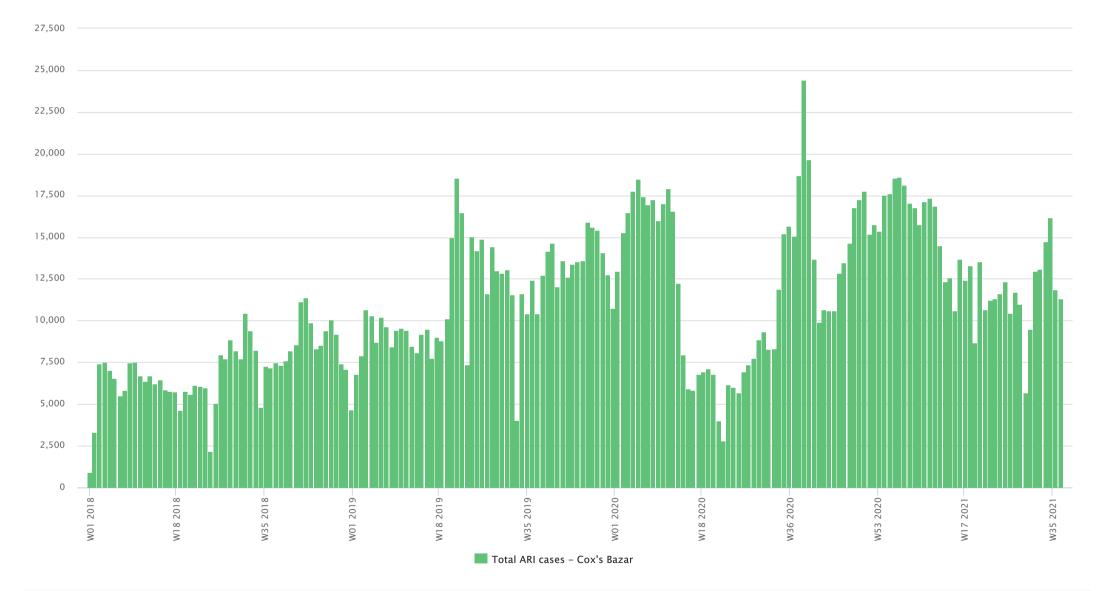






### Acute Respiratory Infection | Trend

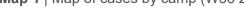
Figure 3 | Trend in number of cases over time (W38 2017 - W36 2021)

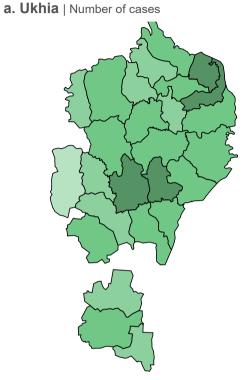






#### **Map 1** | Map of cases by camp (W36 2021)





**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















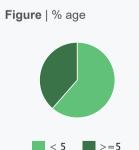
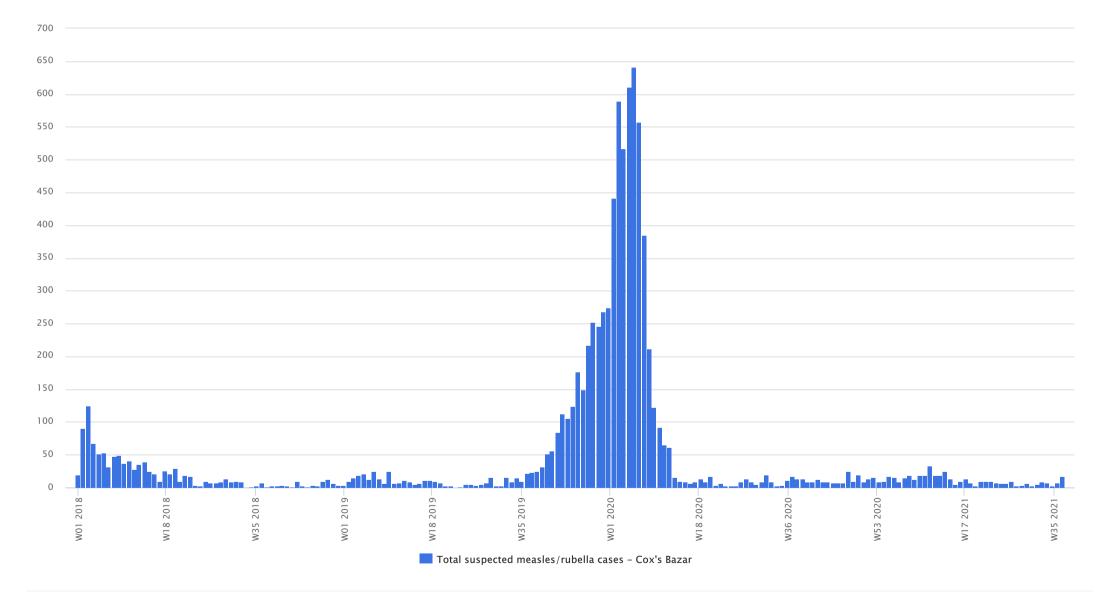


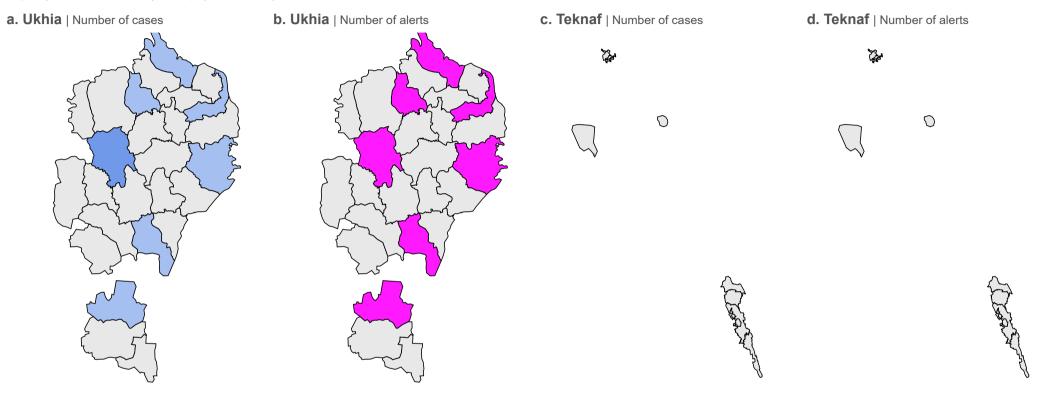
Figure 4 | Trend in number of suspected cases over time (W38 2017 - W36 2021)

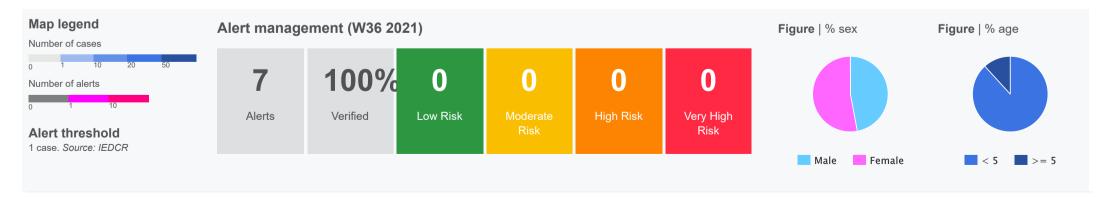






**Map 2** | Map of cases by camp (W36 2021)



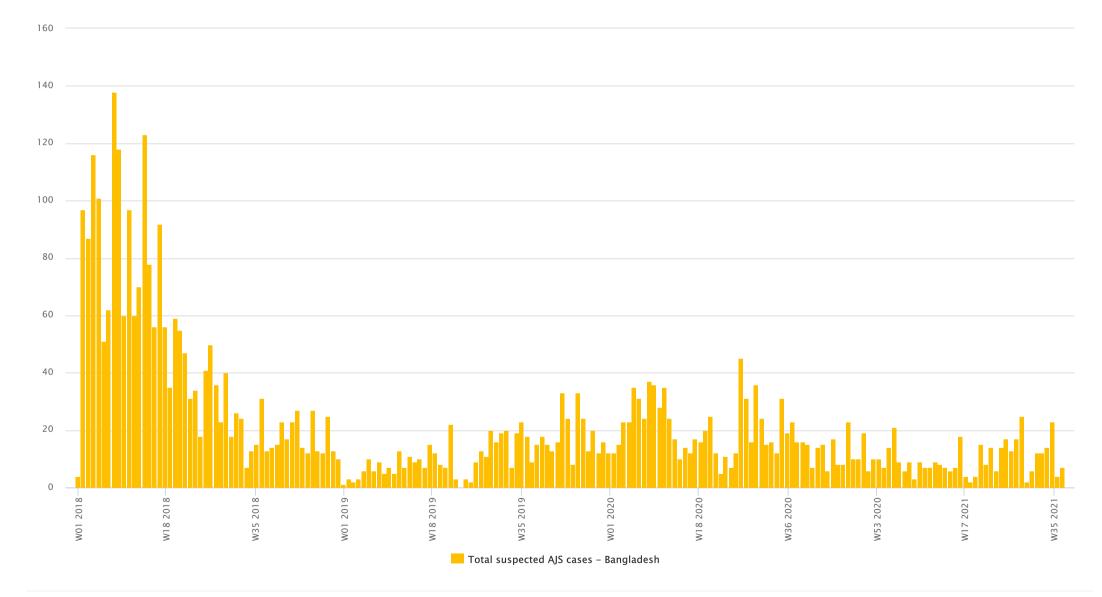






### Acute Jaundice Syndrome | Trend

Figure 5 | Trend in number of cases over time (W38 2017 - W36 2021)





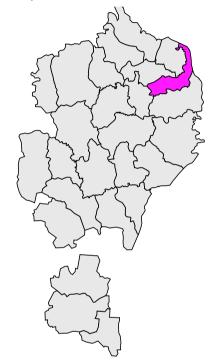


#### Map 3 | Map of cases by camp (W37 2017 - W36 2021)

a. Ukhia | Number of cases



b. Ukhia | Number of alerts



c. Teknaf | Number of cases





d. Teknaf | Number of alerts





O

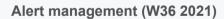




### Map legend Number of cases Number of alerts

#### Alert threshold

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



Alerts

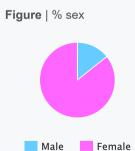
100% Verified

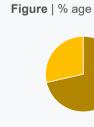
Low Risk

0

0

Very High Risk









### Acute Watery Diarrhoea | Trends

Figure 6 | Trend in number of cases over time (W38 2017 - W36 2021)

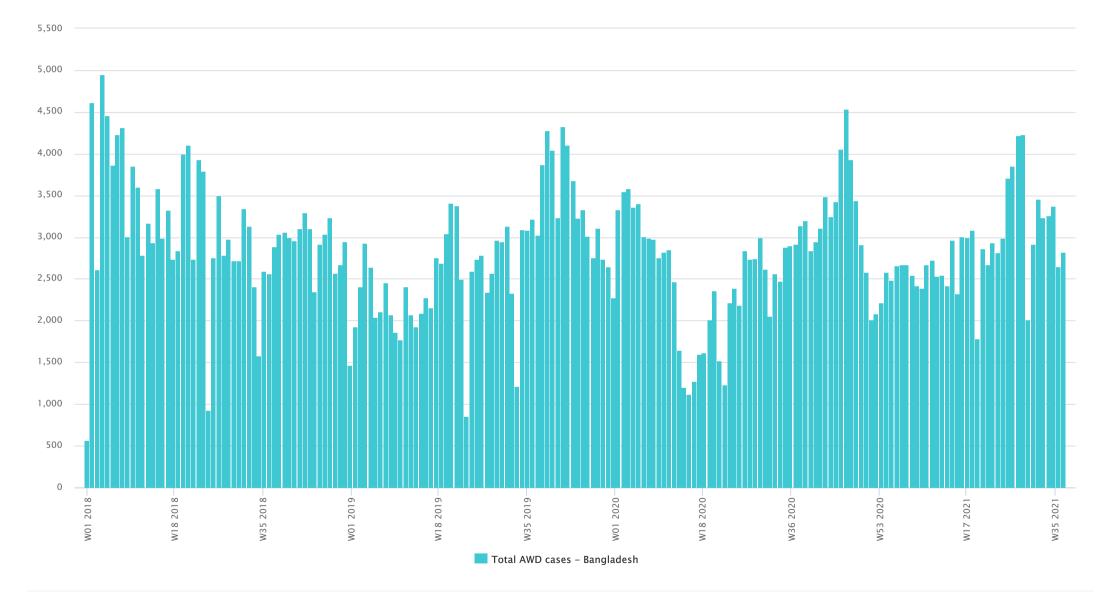
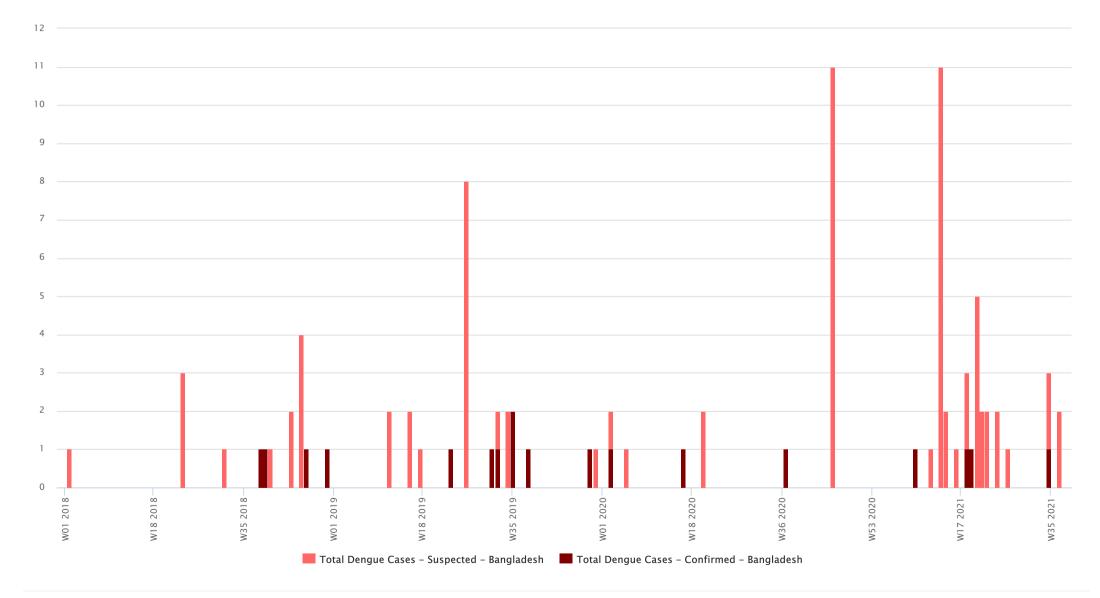






Figure 7 | Trend in number of cases over time (W38 2017 - W36 2021)







Map 4 | Map of cases by camp (W37 2017 - W36 2021)

**a. Ukhia** | Number of cases Loading...

b. Ukhia | Number of alerts

**c. Teknaf** | Number of cases Loading...

d. Teknaf | Number of alerts









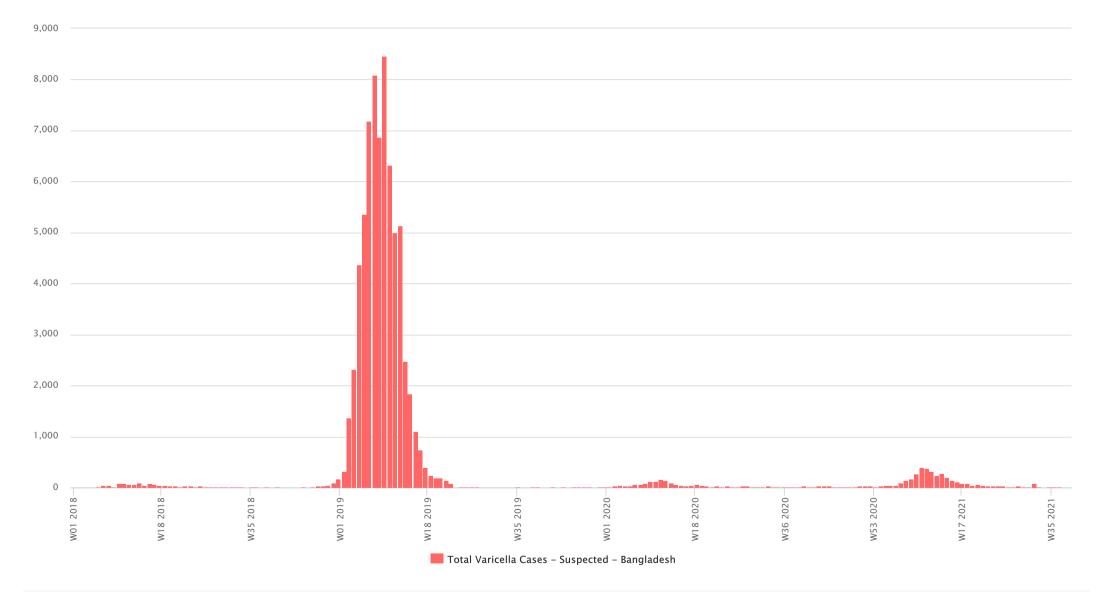






### Varicella (Susp.) | Trends

Figure 7 | Trend in number of cases over time (W38 2017 - W36 2021)



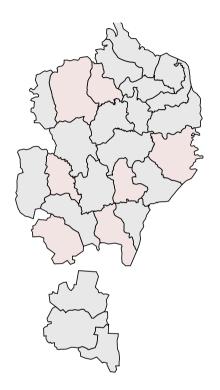




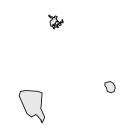
### Varicella (Susp.) | Maps

**Map 4** | Map of cases by camp (W37 2017 - W36 2021)

a. Ukhia | Number of cases

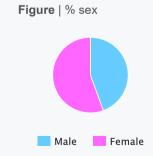


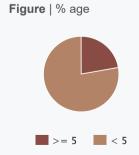
c. Teknaf | Number of cases













# For more help and support, please contact:

Dr. Shownam Barua Medical Officer - Civil Surgeon Office (MO-CS) Ministry of Health and Family Welfare Cox's Bazar, Bangladesh

Telephone: +88 01723350483

Email: bshownam49@gmail.com

Dr. Feroz Hayat Khan National Professional Officer (Disease Surveillance & Epidemiology) World Health Organization Cox's Bazar, Bangladesh

Telephone: +88 017 0120 2994

Email: khan@who.int

#### **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







