

Epidemiological Highlights

Week 39 (21-27 Sep 2020)



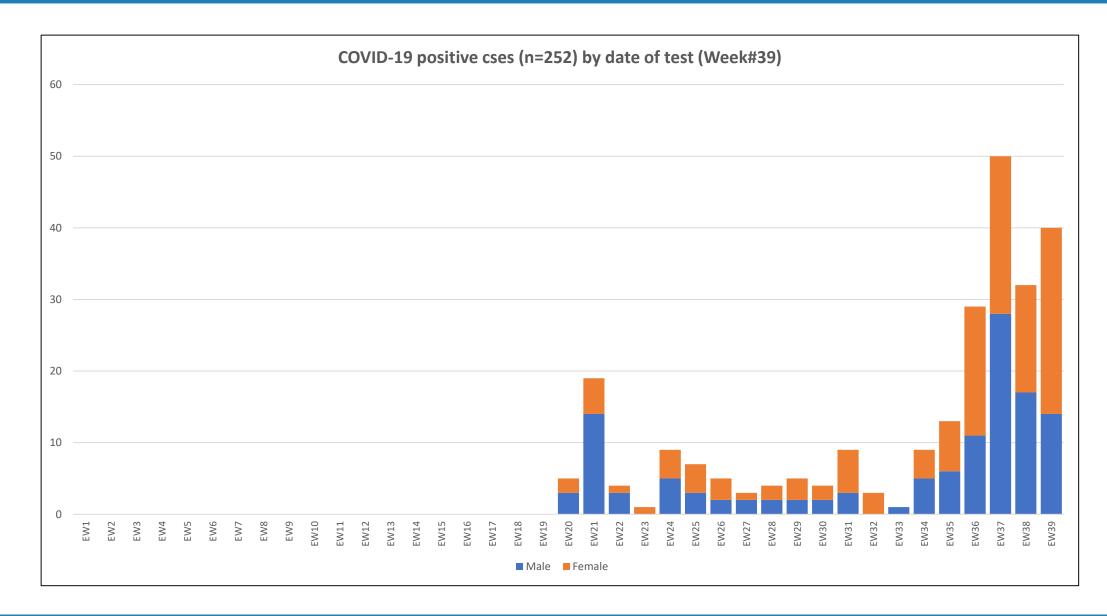
COVID-19 update among Host Population and FDMN/Rohingya Refugee* in Cox's Bazar

Number of test conducted (in last 24 hours)*	41,961 (237)	FDMN/Rohingya	Host Population
Number of confirmed case (in last 24 hours)**	4,731 (10)	Refugee	
Total number of tests conducted (in last 2	10,474 (112)	31,487^ (125)	
Total number of confirmed cases (in last 24 hours)		252 (1)	4,479 (9)
Total number of deaths (in last 24 hours)		8 (0)	68 (0)
Total number of cases in isolation (in last 24 hours)^^		140 (1)	512 (9)
Total number of cases recovered (in last 24 hours)		104 (8)	3,899 (20)

^{*}The Government of Bangladesh refers to Rohingya as "Forcibly Displaced Myanmar Nationals". The UN system refers to this population as Rohingya refugees, in line with the applicable international framework. In this document both terms are used, as appropriate, to refer to the same population.

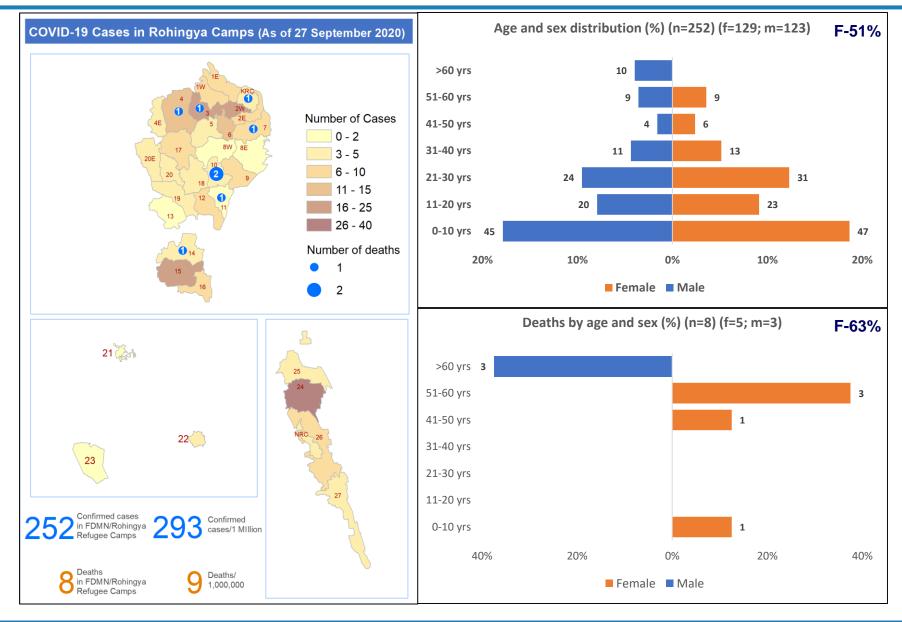






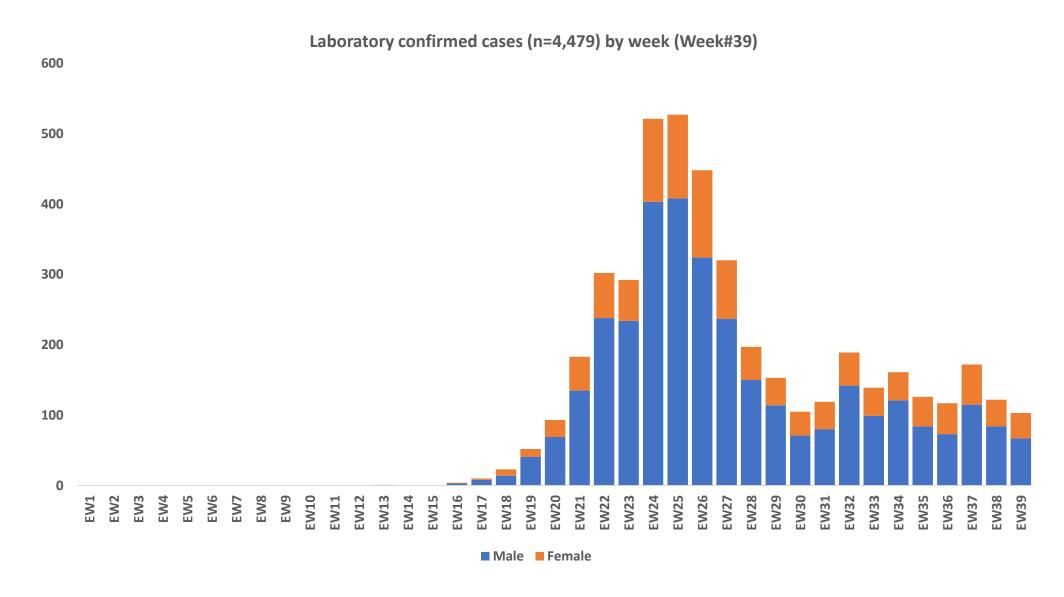






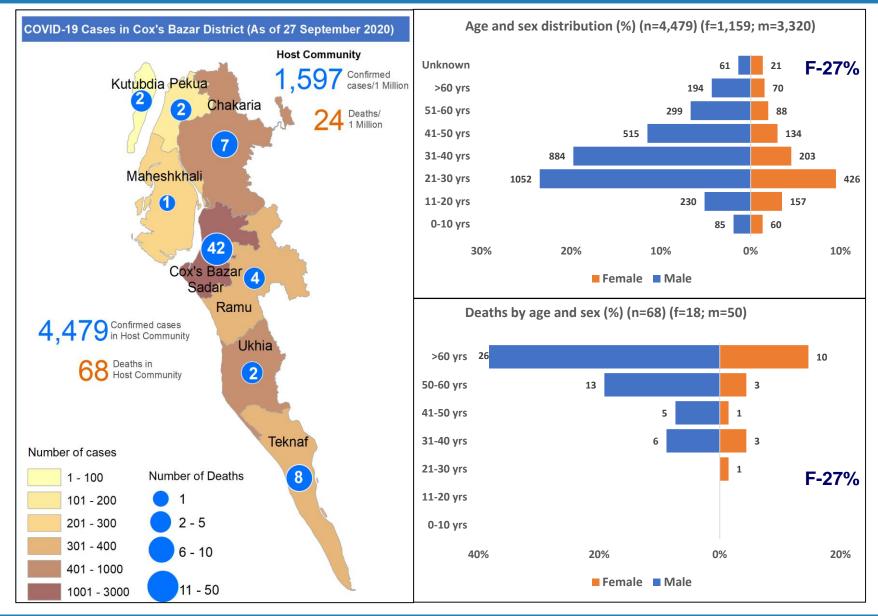








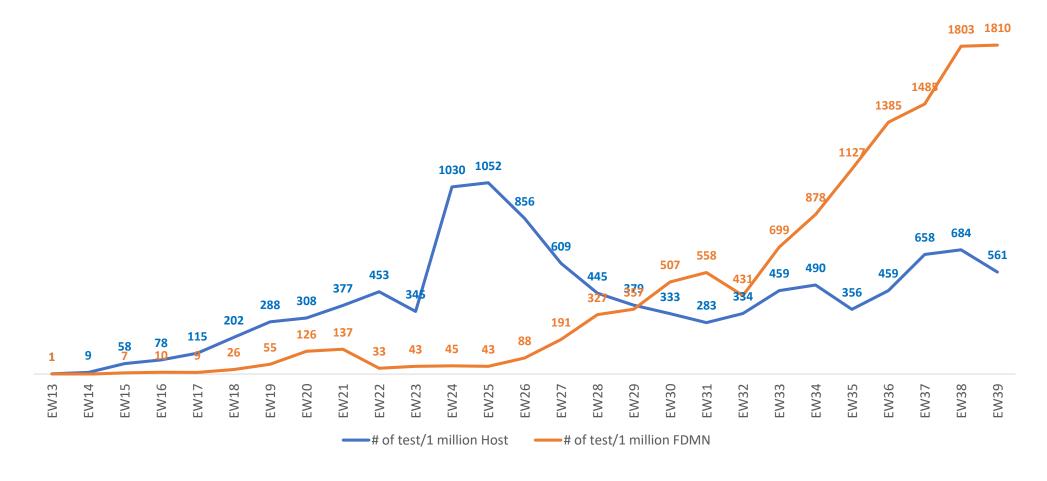








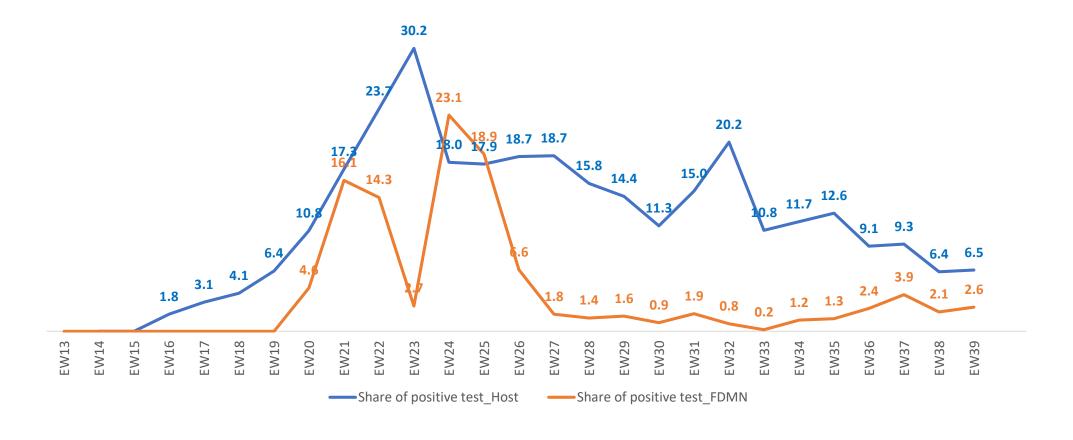
Trends of daily test in Host population (n=31,487) and FDMN/Rohingya Refugees (n=10,474)







Trends of positive tests in FDMN/Rohingya Refugees (252, 2.4%) and Host Population (4,479, 14.2%)







- Acute Respiratory Infection (24.7%), Diarrheal Diseases (5.3%) & Unexplained Fever (2.1%) are the diseases with highest proportional morbidity in week 39.
- Number of consultations has been shown an increasing trend since last 1 month.
- Community-based mortality surveillance included SARI death in weekly reporting since week 27 and the reporting frequency changed since then from bi-weekly. Nine (09) SARI death has been reported so far.





EWARS Reporting Updates

- Total 145/166 (87%) health facilities registered in EWARS
- Only 137/144 weekly reports received in week 39.
- Completeness and Timeliness for this week is 90%.
- Total 51 alerts were triggered in week 39.
- All alerts were reviewed and verified by WHO EWARS team which is less than as of previous week (79 in week 37).



Diphtheria

One suspected diphtheria case reported in go.data in week 39

A total of 9 160 case-patients were reported since 2017 to till date

- Confirmed = 329
- Probable = 2785
- Suspected = 6046

Total Case reported in 2020 = 197

- Confirmed = 11
- Probable = 7
- Suspected = 179

Last confirmed case was reported in Week 33 (20 August 2020)

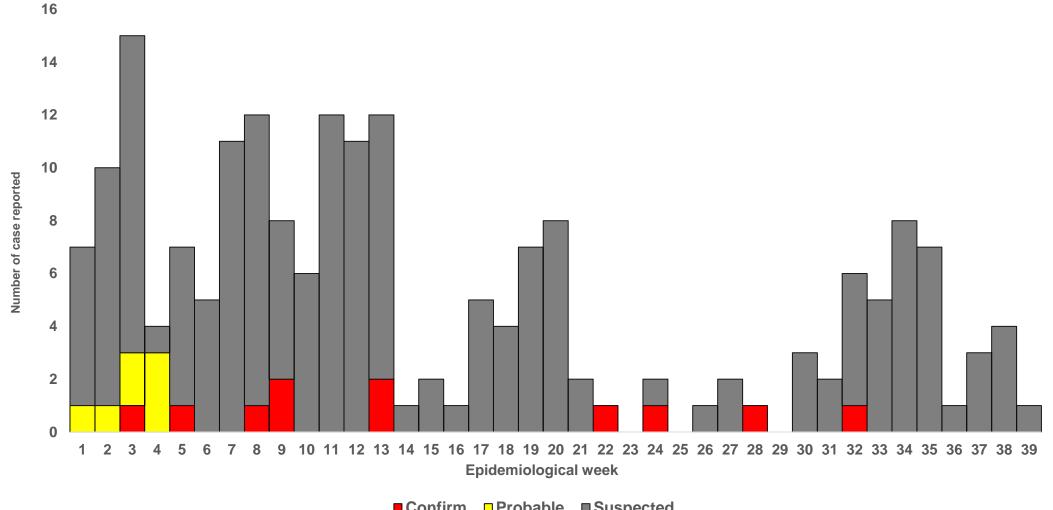
Total deaths reported is 47. Last death was reported on 25 October 2019





Diphtheria





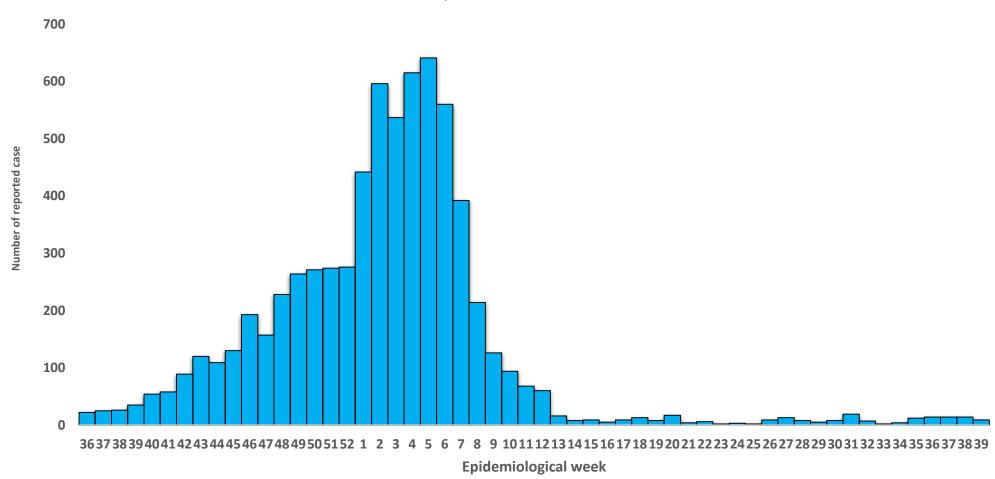
■ Confirm □ Probable ■ Suspected





Measles





Total 09 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 39. Aggregated weekly report showed 4,522 and individual case report (CRF) found 2,506 (56%) in 2020.





Diarrhoeal Disease

- A total 4 176 cases of diarrhoeal diseases reported in EWARS in week
 39
- Among which 2827 cases (3.6%) reported as acute watery diarrhoea (AWD), 1022 (1.3%) and 327 (1.3%) cases as other diarrhea and bloody diarrhea respectively.
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).





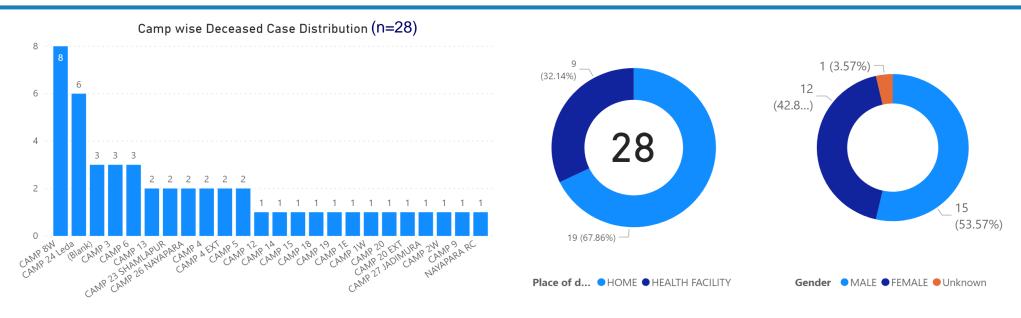
Community-based Mortality surveillance

- In week 39, total of 28 deaths were recorded, 50% (n=14) were due to causes classified as "Others", 18% (n=5) as Still birth (Born Dead), 14% (n=4) as Neonatal (<28 days old) and 7% (n=2) as Infectious Disease.
- There was 3 mortality alert raised for women of reproductive age (12-49 years).
- 32.1% of deaths reported in the health facility and 67.9% of deaths reported in homes.
- Partners to report all mortalities into EWARS using the "Communitybased mortality surveillance" form.

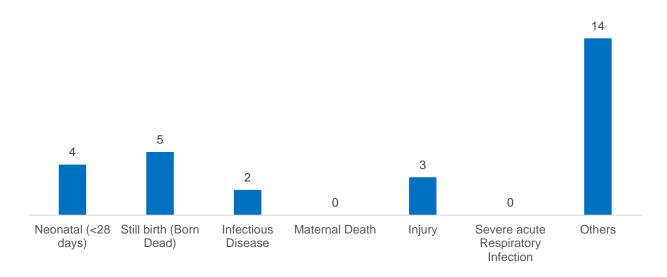




Community-based Mortality Surveillance, Week#39



Probable cause of Death (n=28)







Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W39 2020







Contents

Highlights

Slide 1	Table 1 Coverage
	Table 2 Early warning performance
	Table 3 Alert performance

Early Warning

Slide 2	Map 1a Ukhia completeness by site/zone		
	Map 1b Teknaf completeness by site/zone		
Slide 3	Table 4 Ukhia (Northern group) performance by site/zone		
Map 2 Ukhia (Northern group) completeness by site/zone			
Slide 4	Table 5 Ukhia (Southern group) performance by site/zone		
	Map 3 Ukhia (Southern group) completeness by site/zone		
Slide 5	Table 6 Teknaf performance by site/zone		
Map 4 Teknaf completeness by site/zone			
Slide 6	Table 7 Performance by partner		

Alert

Slide 7	Table 8 Ukhia (Northern group) alerts by site/zone
	Map 5 Ukhia (Northern group) alerts site/zone
Slide 8	Table 9 Ukhia (Southern group) alerts by site/zone
	Map 6 Ukhia (Southern group) alerts site/zone
Slide 9	Table 10 Teknaf alerts by site/zone
	Map 7 Teknaf alerts site/zone
Slide 10	Table 11 Performance by type of alert
	Table 12 Risk Assessment

Sources of data

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





Highlights W39 2020

Table 1 | Coverage

#	%	
854,704	-	Estimated total Rohingya population ¹
854,704	100%	Total population under surveillance
166	-	Total number of health facilities
145	87%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W39	Cumulative (2020)			
137	5433	Number of weekly reports received		
90%	87%	Completeness		
90%	79%	Timeliness		

Table 3 Alert performance indicators

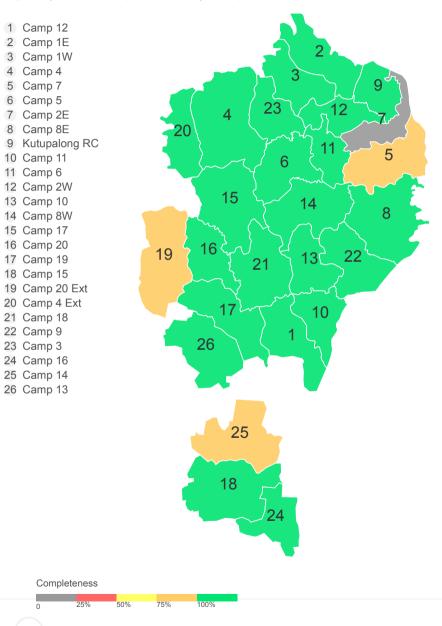
W39	Cumulative (2020)		
51	2,468 Total alerts raised		
100%	100%	% verified	
0%	0%	% auto-discarded	
0%	0%	% undergoing risk assessment	
0%	0%	% completed risk assessment	



¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2019.

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 25 Ali Khali
- 6 Camp 23 Shamlapur
- 7 Camp 26 Nayapara
- 8 Camp 22 Unchiprang







Completeness 75%



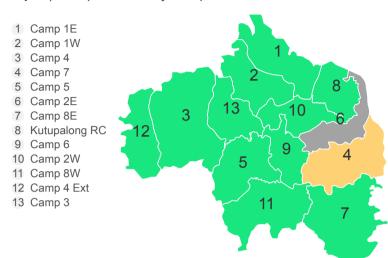




Table 4 | Performance by camp (W39 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	4	4	100%	100%
Camp 1W	3	3	100%	100%
Camp 2E	1	0	0%	0%
Camp 2W	2	2	100%	100%
Camp 3	6	6	100%	100%
Camp 4	6	6	100%	100%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	2	2	100%	100%
Camp 7	6	4	67%	67%
Camp 8E	7	7	100%	100%
Camp 8W	6	6	100%	100%
Kutupalong RC	1	2	100%	100%

Map 2 | Completeness by camp



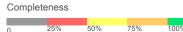


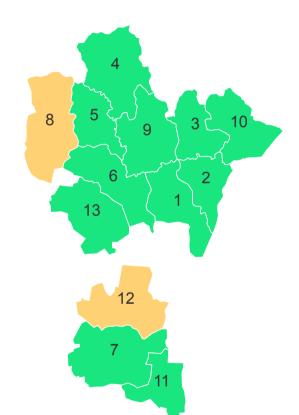


Table 5 | Performance by camp (W39 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	4	100%	100%
Camp 11	9	8	89%	89%
Camp 12	6	6	100%	100%
Camp 13	9	10	100%	100%
Camp 14	6	4	67%	67%
Camp 15	10	9	100%	100%
Camp 16	5	5	100%	100%
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	1	50%	50%
Camp 9	7	5	83%	83%

Map 3 | Completeness by camp

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











Early Warning | Teknaf

Table 6 | Performance by camp (W39 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	5	2	50%	50%
Camp 23 Shamlapur	4	3	100%	100%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	3	100%	100%
Camp 26 Nayapara	3	2	67%	67%
Camp 27 Jadimura	1	1	100%	100%
Nayapara RC	0	2	0%	100%

Map 4 | Completeness by camp

- 1 Nayapara RC
- 2 Camp 27 Jadimura

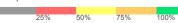


- 3 Camp 24 Leda
- 4 Camp 21 Chakmarkul
- 5 Camp 25 Ali Khali
- 6 Camp 23 Shamlapur
- 7 Camp 26 Nayapara
- 8 Camp 22 Unchiprang





Completeness





Early Warning | Partner performance

Table 7 | Performance by partner (W39 2020)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	9	8	89%	89%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	10	83%	83%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	21	15	71%	71%
IRC	2	2	100%	100%
MSF	9	7	78%	78%
МоН	1	1	100%	100%
Норе	1	1	100%	100%
Medair	2	2	100%	100%

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	3	3	100%	100%
PHD	8	8	100%	100%
PWJ	1	1	100%	100%
RHU	1	1	100%	100%
RI	3	3	100%	100%
RTMI	9	9	100%	100%
SCI	9	9	100%	100%
TdH	1	1	100%	100%





Table 8 | Performance by camp

Northern group	W39		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	1	100%	59	100%
Camp 1W	2	100%	46	100%
Camp 2E	0	0%	55	100%
Camp 2W	2	100%	54	100%
Camp 3	5	100%	186	100%
Camp 4	2	100%	148	100%
Camp 4 Ext	3	100%	23	100%
Camp 5	0	0%	131	100%
Camp 6	0	0%	27	100%
Camp 7	0	0%	52	100%
Camp 8E	1	100%	32	100%
Camp 8W	2	100%	116	99%
Kutupalong RC	0	0%	17	100%

Map 5 | Number of alerts by camp

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

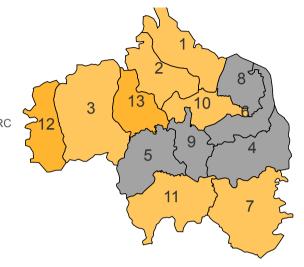






Table 9 | Performance by camp

Southern group	W39		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	0	0%	80	100%
Camp 11	2	100%	105	100%
Camp 12	4	100%	125	98%
Camp 13	3	100%	157	100%
Camp 14	0	0%	70	100%
Camp 15	4	100%	115	99%
Camp 16	2	100%	104	100%
Camp 17	1	100%	74	100%
Camp 18	2	100%	80	100%
Camp 19	1	100%	90	100%
Camp 20	1	100%	55	98%
Camp 20 Ext	1	100%	14	100%
Camp 9	3	100%	106	99%

Map 6 | Number of alerts by camp

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

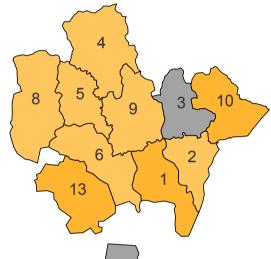








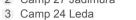


Table 10 | Performance by camp

Teknaf	W39		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	2	100%	49	100%
Camp 22 Unchiprang	2	100%	29	100%
Camp 23 Shamlapur	1	100%	46	100%
Camp 24 Leda	0	0%	19	100%
Camp 25 Ali Khali	1	100%	23	100%
Camp 26 Nayapara	0	0%	43	100%
Camp 27 Jadimura	0	0%	15	100%
Nayapara RC	0	0%	25	100%

Map 7 | Number of alerts by camp

- 1 Nayapara RC
- 2 Camp 27 Jadimura



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







of alerts







Table 11 | Performance by type of alert

Event	W39		Cumulative (20	20)	
	# alerts	% verif.	# alerts	% verif.	
Indicator-based surveillance					
Malaria	0	0%	0	0%	
Measles	9	100%	769	100%	
Bloody Diarr.	0	0%	0	0%	
AFP	1	100%	12	100%	
Meningitis	0	0%	14	100%	
Haem. fever (susp.)	0	0%	9	100%	
NNT	0	0%	2	100%	
Unexp. fever	3	100%	203	100%	
AWD	7	100%	254	100%	
ARI	8	100%	270	100%	
AJS	1	100%	103	100%	
Varicella (Susp.)	0	0%	12	100%	
Suspected COVID-19	0	0%	0	0%	
Event-based surveillance					
EBS total	2	100%	169	100%	

Table 12 | Risk assessment

W	/39	Cumulative (2020)	
	0	4	Low risk
	0	1	Moderate risk
	0	0	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 NPO (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 http://ewars-project.org

Sign-up for an account with EWARS Bangladesh at http://bd.ewars.ws









Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W39 2020







Proportional morbidity

Figure 1 | Proportional morbidity (W39 2020)

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)

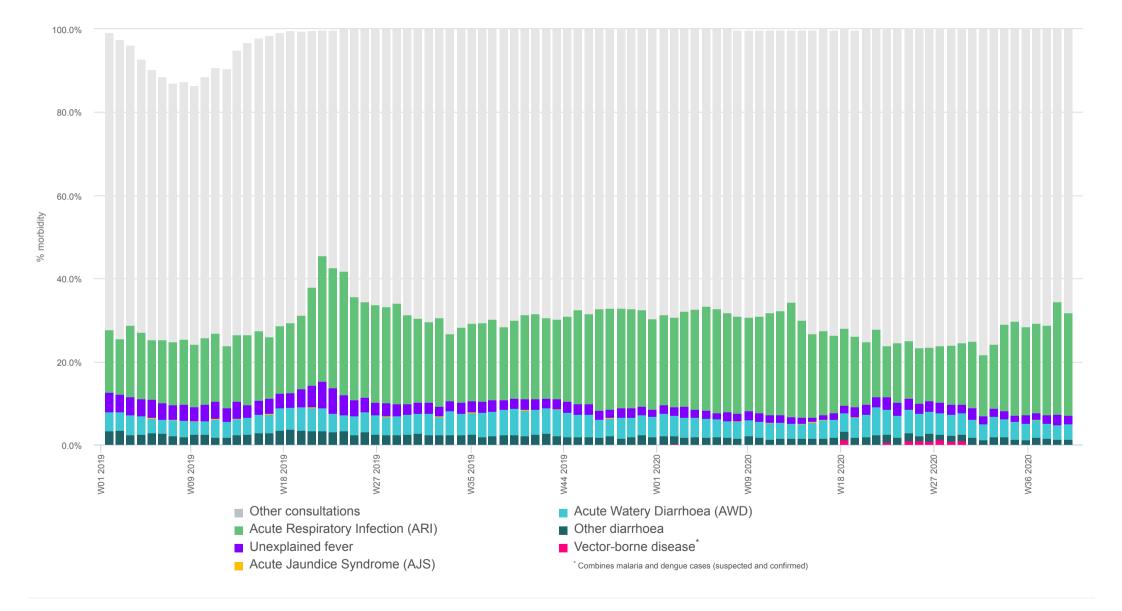
Disease	W39		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,827	3.6%	98,191	4.4%
Bloody diarr.	327	0.4%	12,148	0.5%
Other diarr.	1,022	1.3%	36,004	1.6%
Susp. Varicella	26	0.0%	1,678	0.1%
ARI	19,174	24.7%	457,163	20.7%
Measles/Rub.	9	0.0%	4,522	0.2%
AFP	1	0.0%	11	0.0%
Susp. menin.	1	0.0%	53	0.0%
AJS	11	0.0%	867	0.0%
Susp. HF	0	0.0%	21	0.0%
Neo. tetanus	0	0.0%	1	0.0%
Adult tetanus	8	0.0%	10	0.0%
Malaria (conf.)	0	0.0%	7	0.0%
Malaria (susp.)	1	0.0%	3,502	0.2%
Dengue (conf.)	0	0.0%	2	0.0%
Dengue (susp.)	0	0.0%	4	0.0%
Unexpl. fever	1,663	2.1%	45,100	2.0%
Sev. Malnut.	30	0.0%	928	0.0%
Inj./Wounds	1,557	2.0%	57,561	2.6%
Other	51,112	65.7%	1,491,858	67.5%
Total	76,113	100%	2,210,340	100%





Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W39)

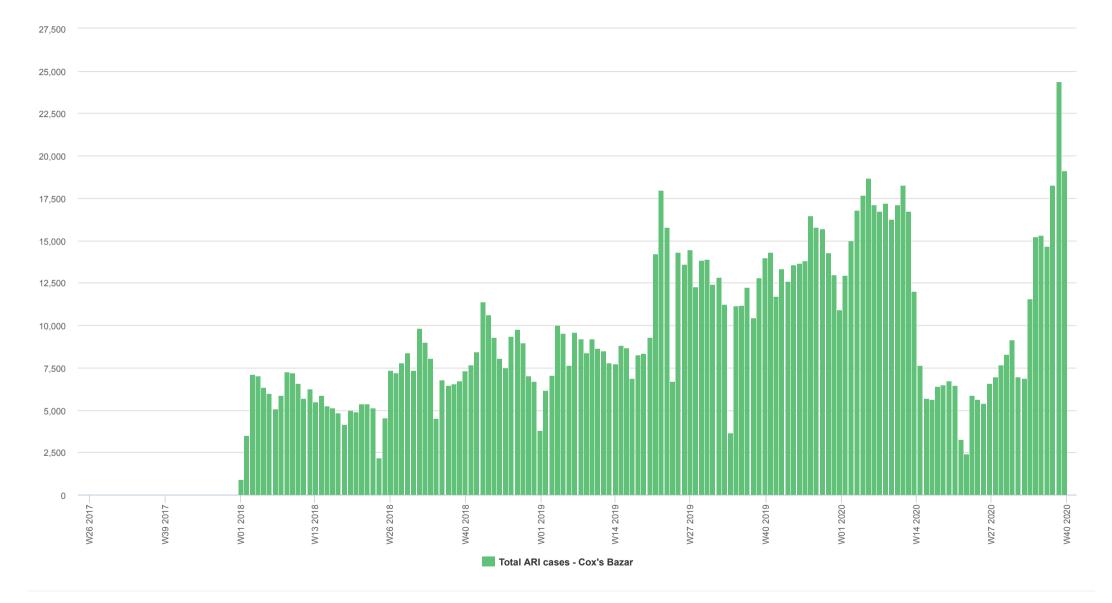






Acute Respiratory Infection | Trend

Figure 3 | Trend in number of cases over time (W38 2017 - W39 2020)

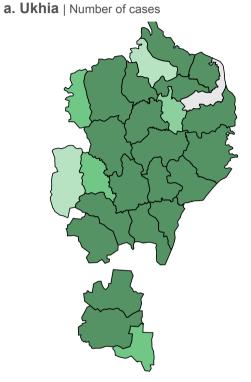






Map 1 | Map of cases by camp (W39 2020)





b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts



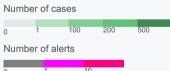






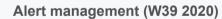


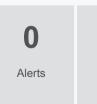
Map legend





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











O Very High Risk



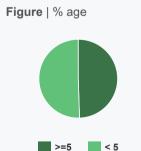
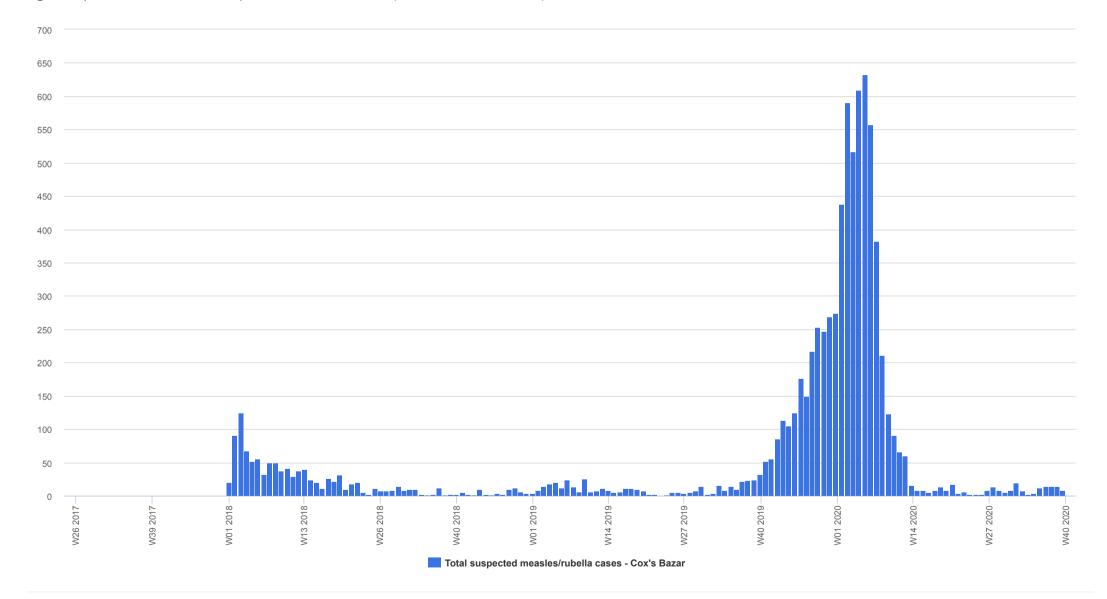


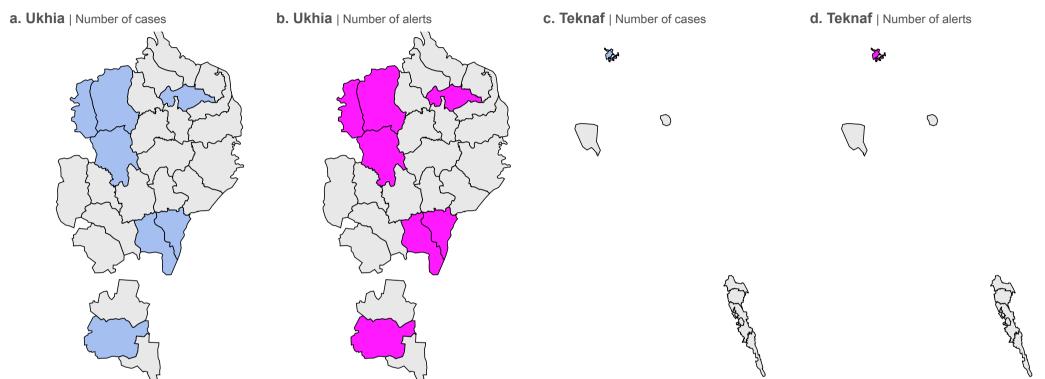
Figure 4 | Trend in number of suspected cases over time (W38 2017 - W39 2020)

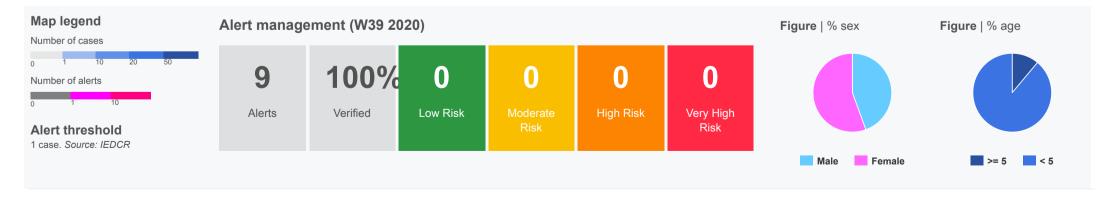






Map 2 | Map of cases by camp (W39 2020)



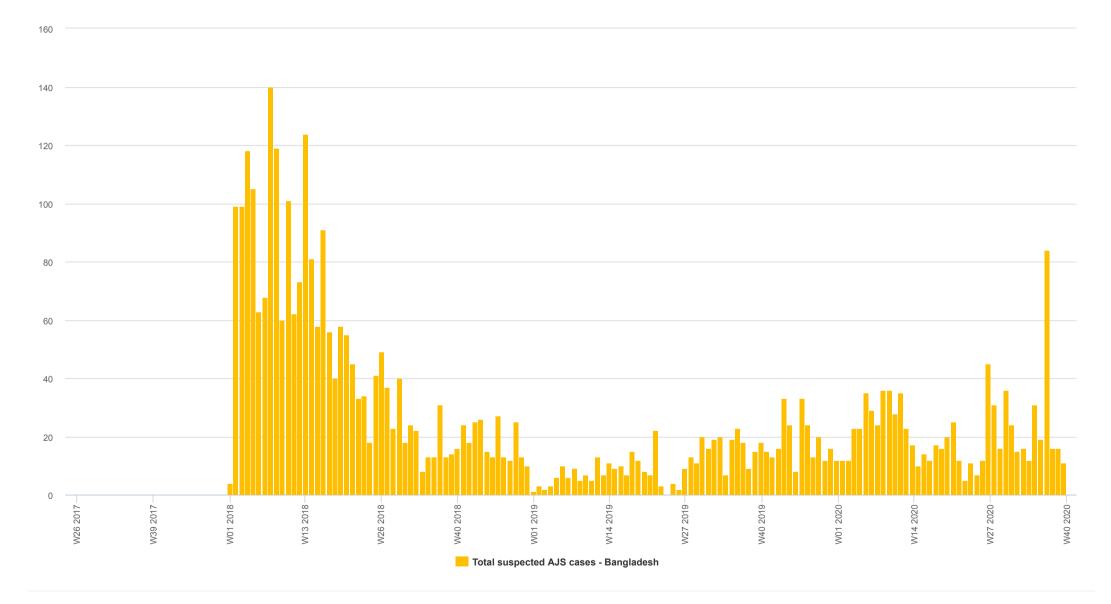






Acute Jaundice Syndrome | Trend

Figure 5 | Trend in number of cases over time (W38 2017 - W39 2020)





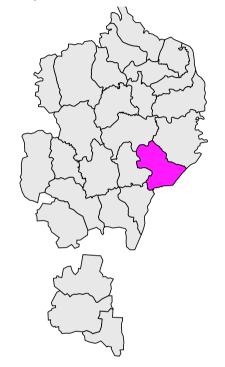


Map 3 | Map of cases by camp (W37 2017 - W39 2020)





b. Ukhia | Number of alerts



c. Teknaf | Number of cases





d. Teknaf | Number of alerts











Map legend



Alert threshold

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

Alert management (W39 2020)



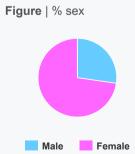


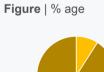


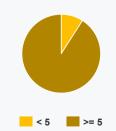


0

Very High Risk









Acute Watery Diarrhoea | Trends

Figure 6 | Trend in number of cases over time (W38 2017 - W39 2020)

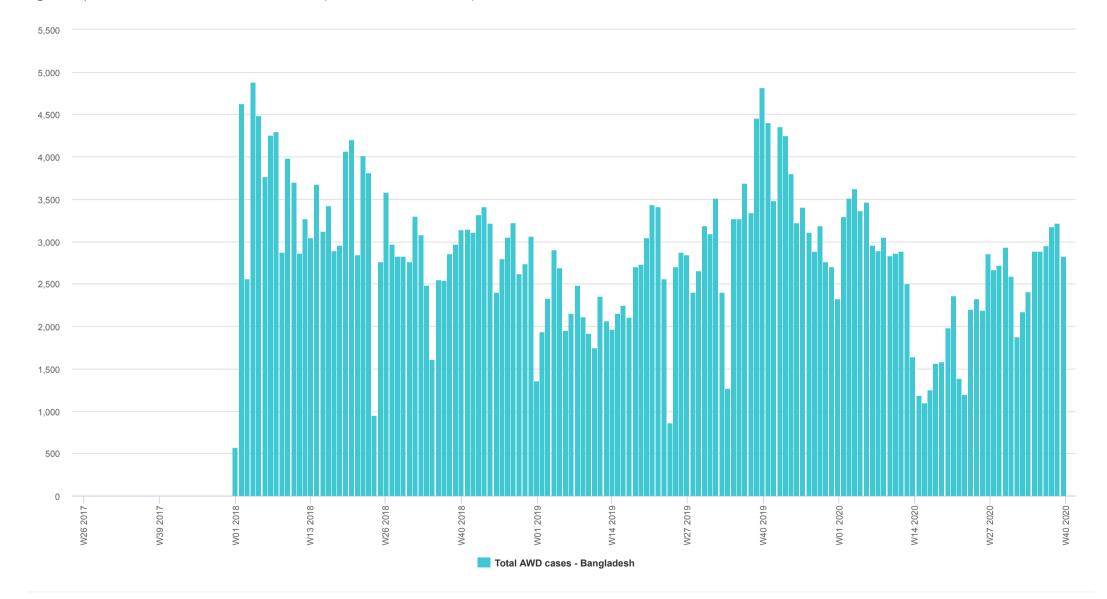
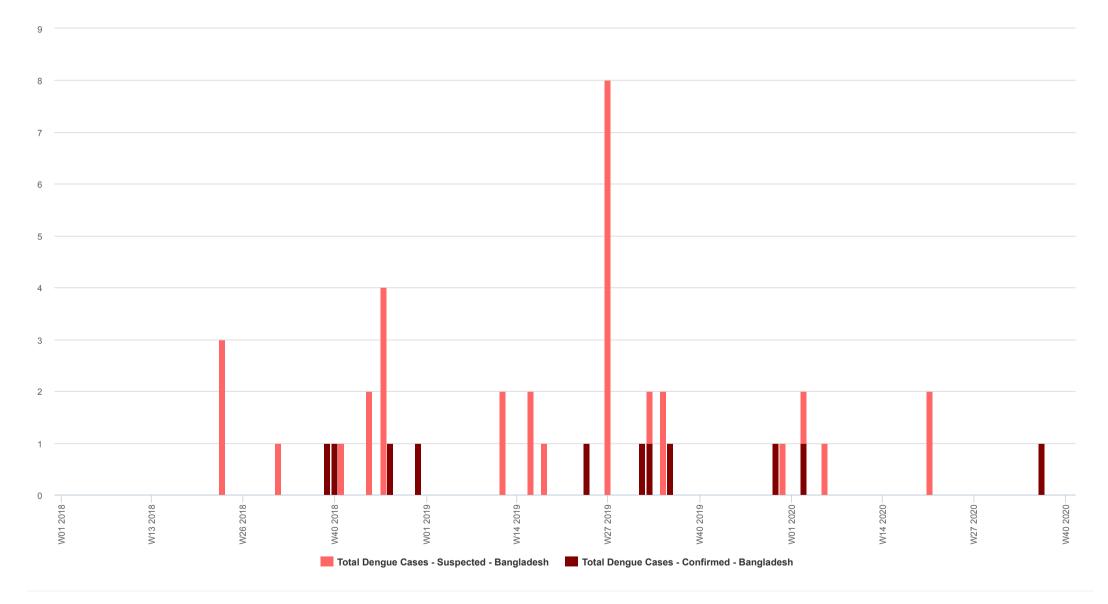






Figure 7 | Trend in number of cases over time (W38 2017 - W39 2020)







Map 4 | Map of cases by camp (W37 2017 - W39 2020)

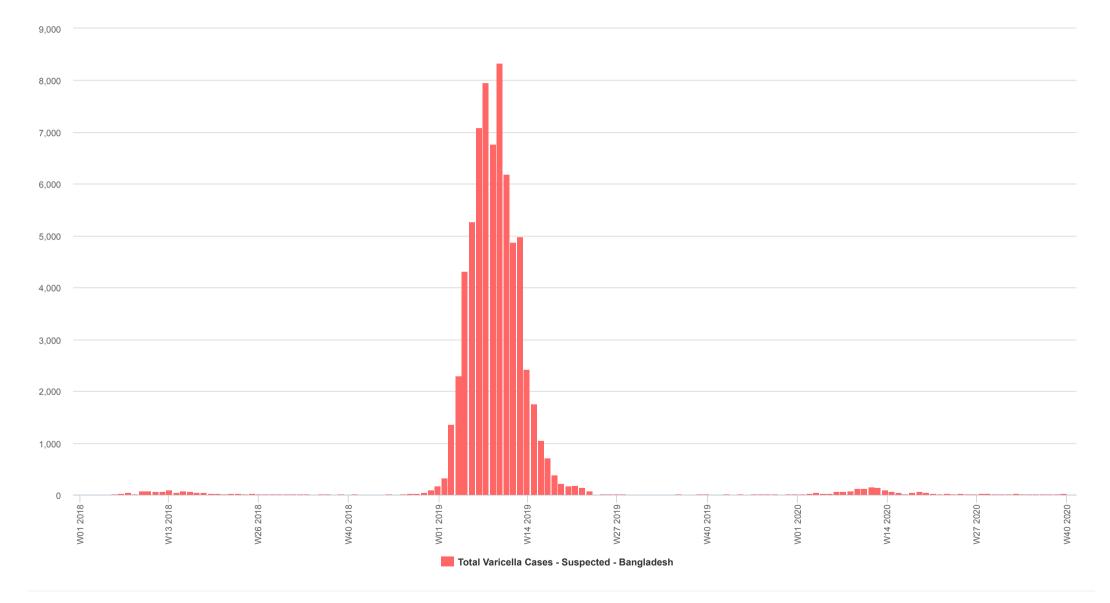






Varicella (Susp.) | Trends

Figure 7 | Trend in number of cases over time (W38 2017 - W39 2020)







Varicella (Susp.) | Maps

Map 4 | Map of cases by camp (W37 2017 - W39 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases





O



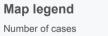
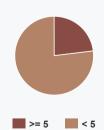




Figure | % sex



Figure | % age





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 NPO(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 http://ewars-project.org

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







