Global EWARS

Epidemiological Highlights

Week 33 (10- 16 August 2020)

World Health Organization

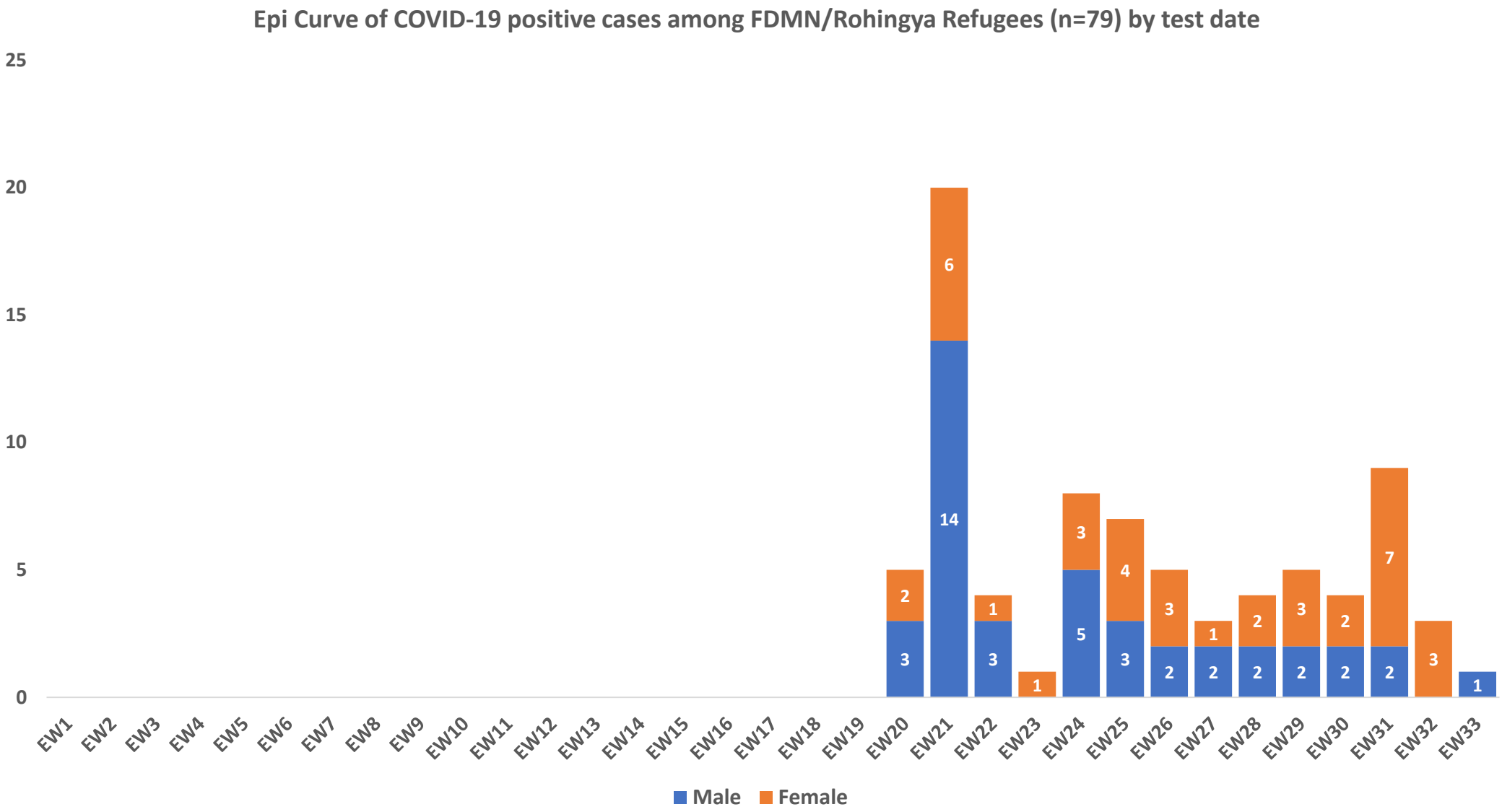
Highlights:

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

		FDMN/Rohingya Refugee	Host Population
Number of test conducted (in last 24 hours)*	**25,660 (173)**		
Number of confirmed case (in last 24 hours)**	**3,757 (11)**		
Total number of tests conducted (in last 24 hours)		3,176 (40)	22,484^ (133)
Total number of confirmed cases (in last 24 hours)		**79 (0)**	**3,678 (11)**
Total number of deaths (in last 24 hours)		**6 (0)**	**61 (2)**
Total number of cases in isolation (in last 24 hours)^^		26 (0)	604 (11)
Total number of cases recovered (in last 24 hours)		47 (4)	3,013 (22)

*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.

Highlights:



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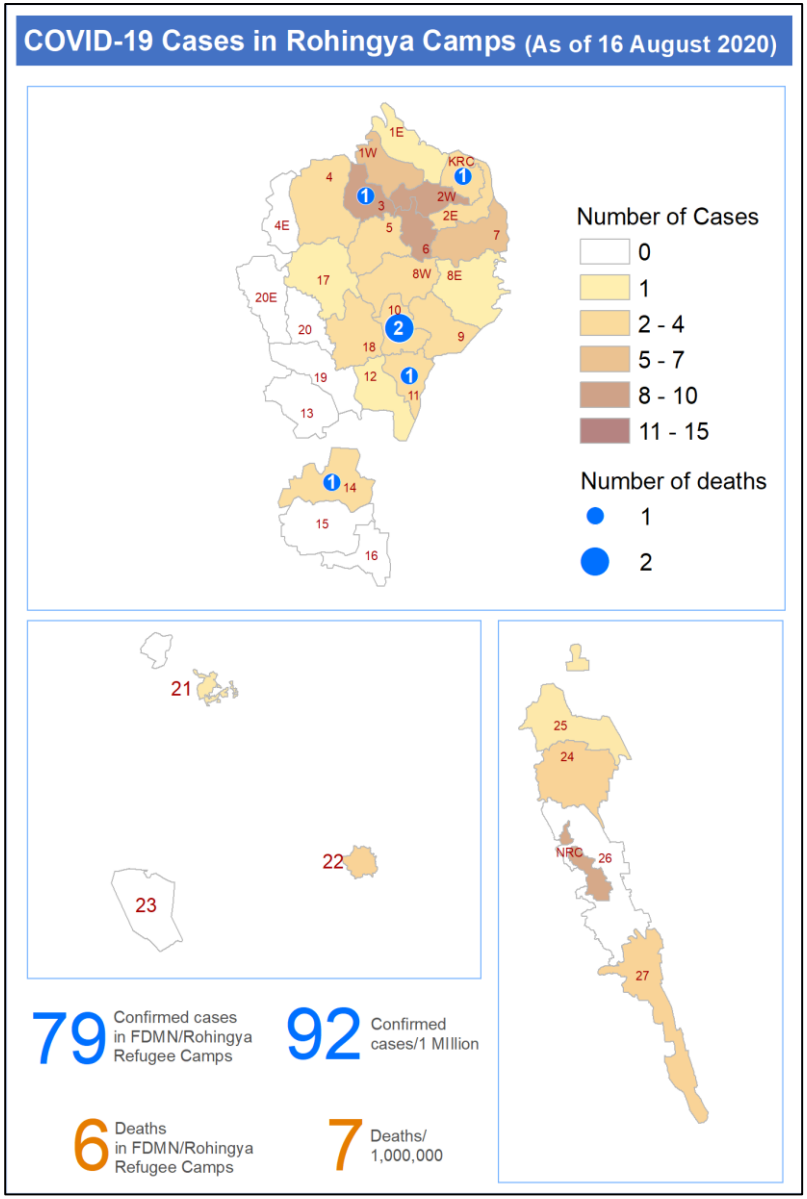
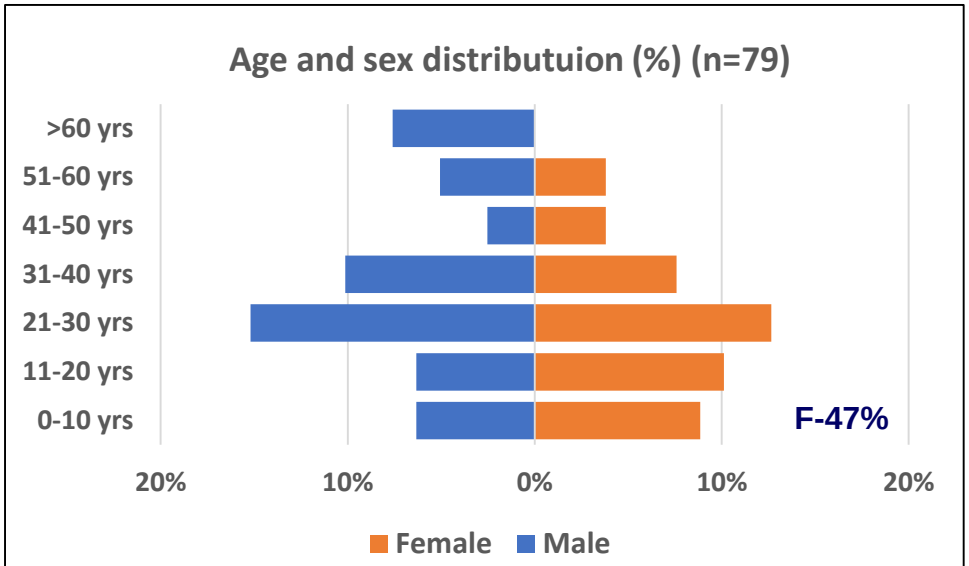
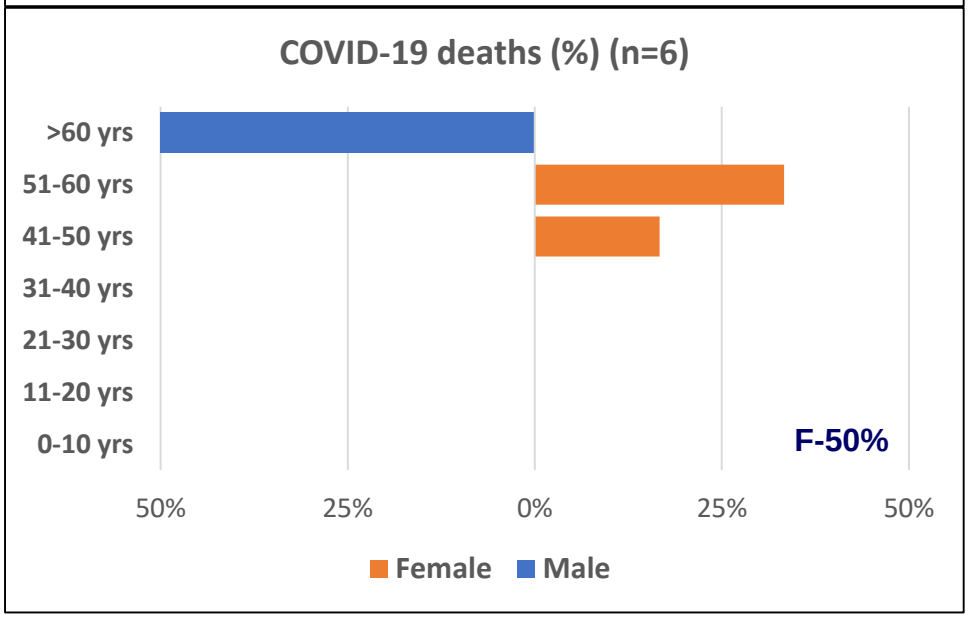
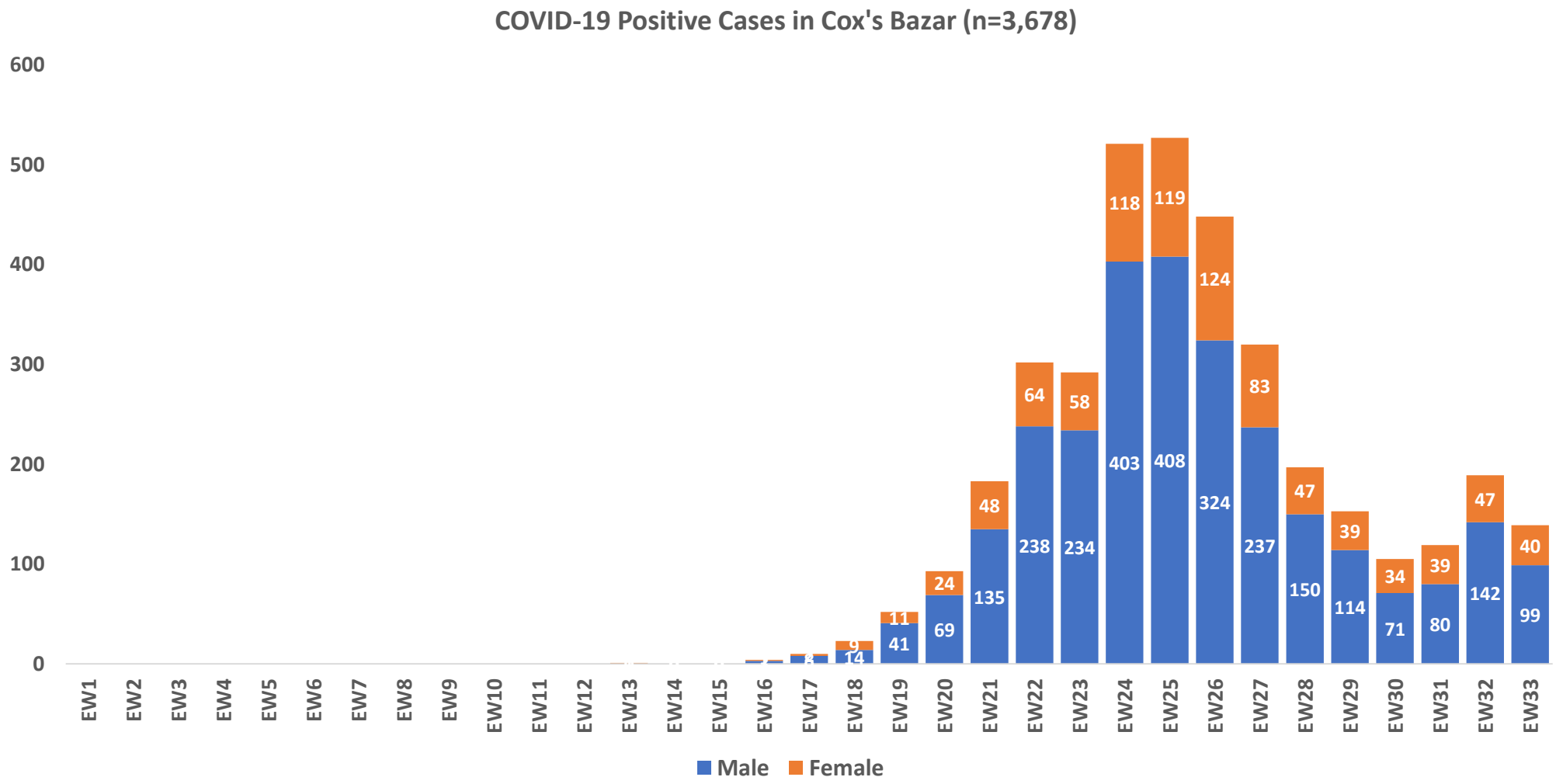
Highlights:


COVID-19 Cases in Rohingya Camps (As of 16 August 2020)
Number of Cases
0
1
2 - 4
5 - 7
8 - 10
11 - 15
Number of deaths
1
2
79 Confirmed cases in FDMN/Rohingya Refugee Camps
92 Confirmed cases/1 MIllion
6 Deaths in FDMN/Rohingya Refugee Camps
7 Deaths/ 1,000,000


Age and sex distributuion (%) (n=79)
>60 yrs
51-60 yrs
41-50 yrs
31-40 yrs
21-30 yrs
11-20 yrs
0-10 yrs
F-47%
20%
10%
0%
10%
20%
Female
Male


COVID-19 deaths (%) (n=6)
>60 yrs
51-60 yrs
41-50 yrs
31-40 yrs
21-30 yrs
11-20 yrs
0-10 yrs
F-50%
50%
25%
0%
25%
50%
Female
Male

Highlights:



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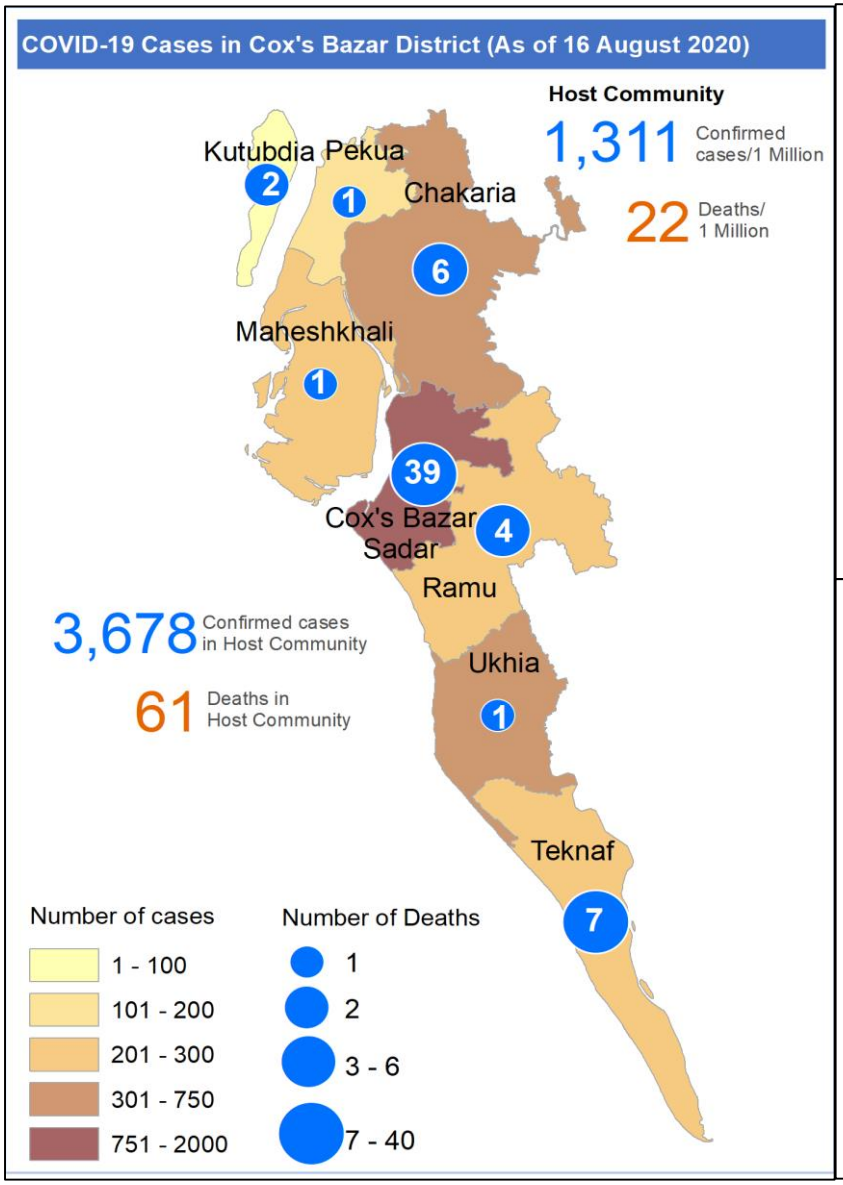
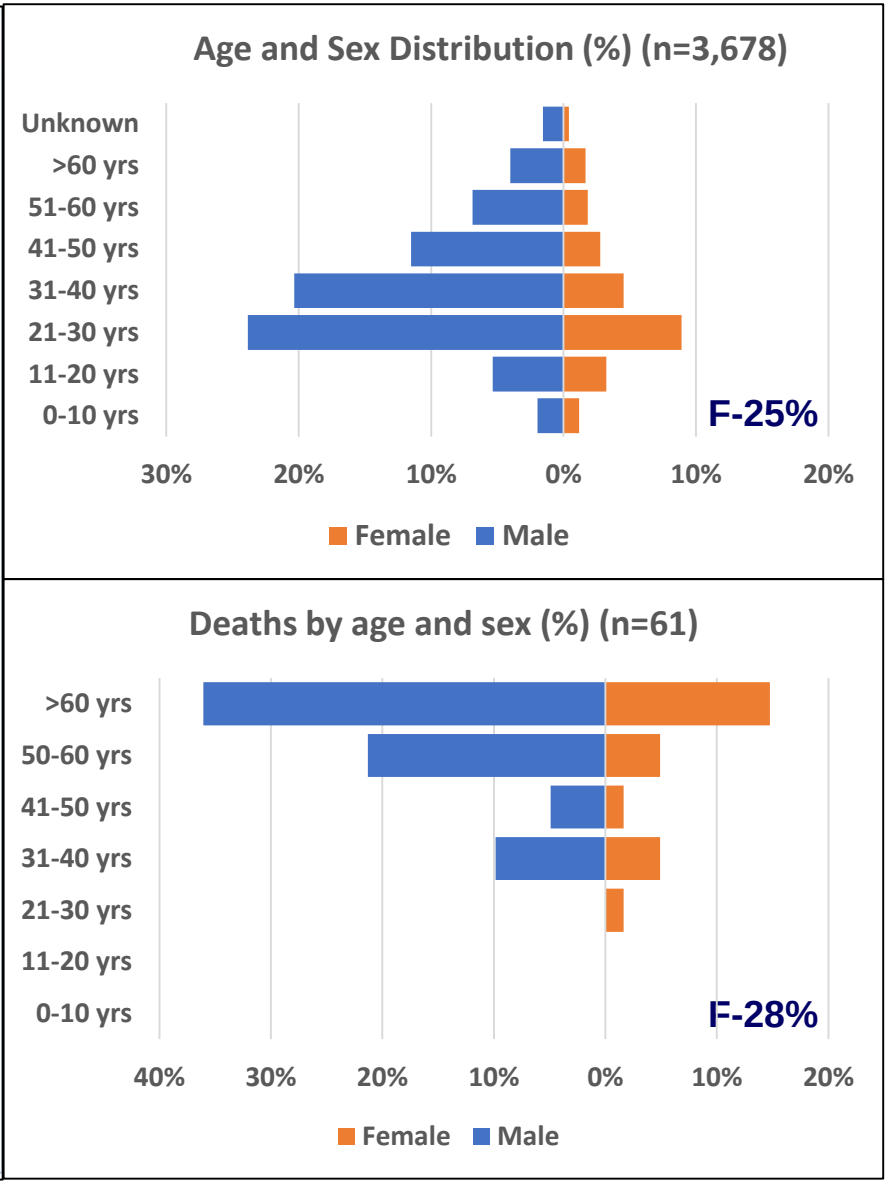
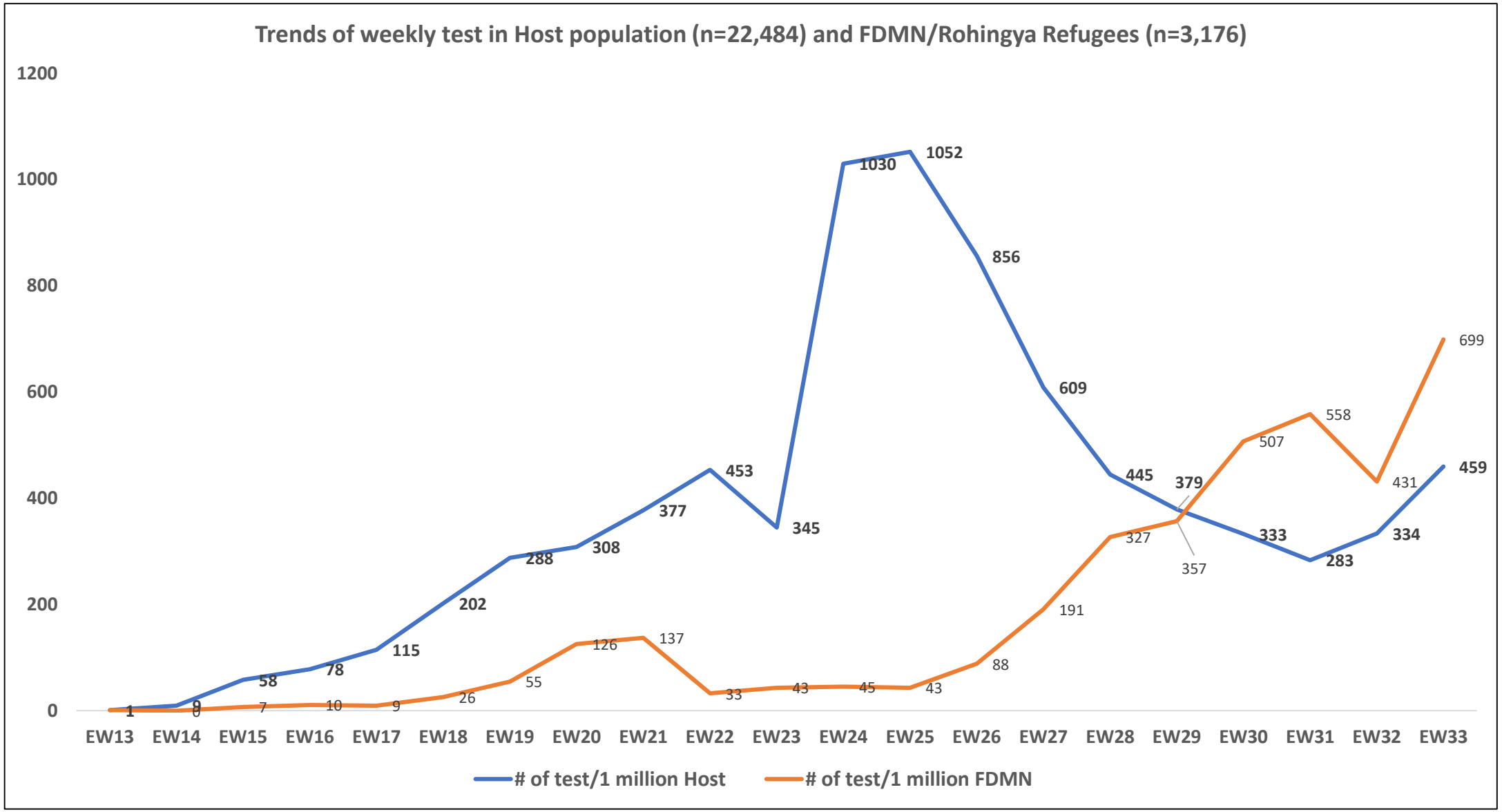
Highlights:


COVID-19 Cases in Cox's Bazar District (As of 16 August 2020)
Host Community
1,311 Confirmed cases/1 Million
22 Deaths/ 1 Million
Kutubdia
Pekua
Chakaria
Maheshkhali
Cox's Bazar Sadar
Ramu
Ukhia
Teknaf
2
1
6
1
39
4
1
7
3,678 Confirmed cases in Host Community
61 Deaths in Host Community
Number of cases
1 - 100
101 - 200
201 - 300
301 - 750
751 - 2000
Number of Deaths
1
2
3 - 6
7 - 40


Age and Sex Distribution (%) (n=3,678)
Unknown
>60 yrs
51-60 yrs
41-50 yrs
31-40 yrs
21-30 yrs
11-20 yrs
0-10 yrs
F-25%
30%
20%
10%
0%
10%
20%
Female
Male
Deaths by age and sex (%) (n=61)
>60 yrs
50-60 yrs
41-50 yrs
31-40 yrs
21-30 yrs
11-20 yrs
0-10 yrs
F-28%
40%
30%
20%
10%
0%
10%
20%
Female
Male

Highlights:



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Highlights:

- Acute Respiratory Infection (21.1%), Diarrheal Diseases (6.2%) & Unexplained Fever (1.8%) are the diseases with highest proportional morbidity in week 33.
- Total ARI consultation is significantly dropped over 50% in last 4 months but increasing in week 33 (21.1%) than that of week 12 (25.5%).
- Reduction of total consultation number in the camps indicates changes in specific health seeking behavior of refugee population.
- Community-based mortality surveillance has included SARI death in weekly reporting. Eight (08) SARI death has been reported so far.

EWARS Reporting Updates

- Total 146/166 (88%) health facilities registered in EWARS
- Only 101/141 weekly reports received in week 33.
- Completeness and Timeliness for this week is 68%.
- Total 47 alerts were triggered in week 32.
- All alerts were reviewed and verified by WHO EWARS team which is less than as of previous week (50 in week 31).

Diphtheria

Five suspected diphtheria case reported in go.data in week 33

A total of 9 136 case-patients were reported since 2017 to till date

- Confirmed = 329
- Probable = 2785
- Suspected = 6022

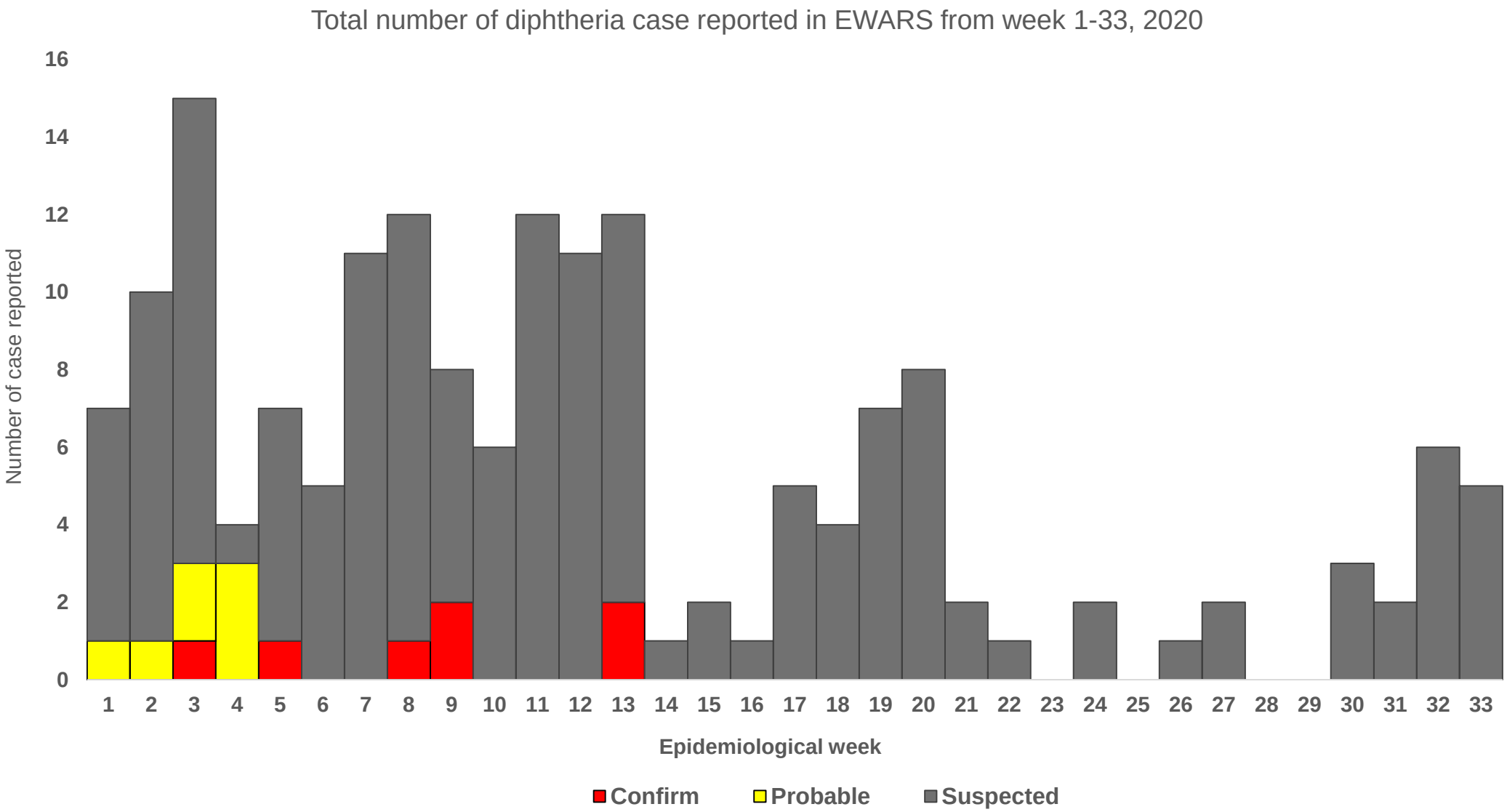
Total Case reported in 2020 = 172

- Confirmed = 7
- Probable = 7
- Suspected = 158

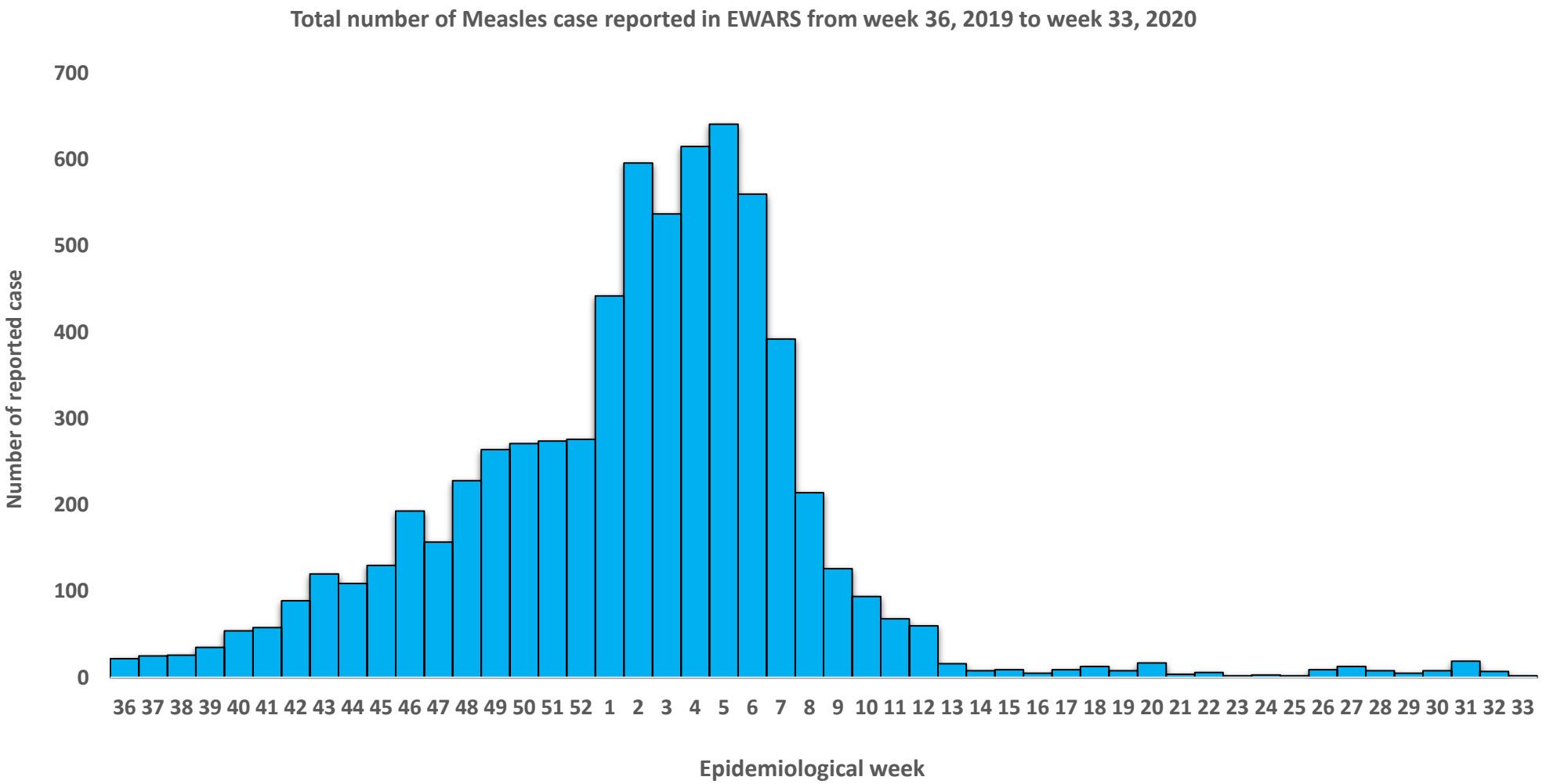
Last confirmed case was reported in Week 13 (24 March 2020)

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

Diphtheria


Total number of diphtheria case reported in EWARS from week 1-33, 2020
Number of case reported
0
2
4
6
8
10
12
14
16
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
Epidemiological week
Confirm
Probable
Suspected

Measles



Total 2 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 33. Aggregated weekly report: 4,453 and individual case report (CRF): 2,471 (56%) in 2020.

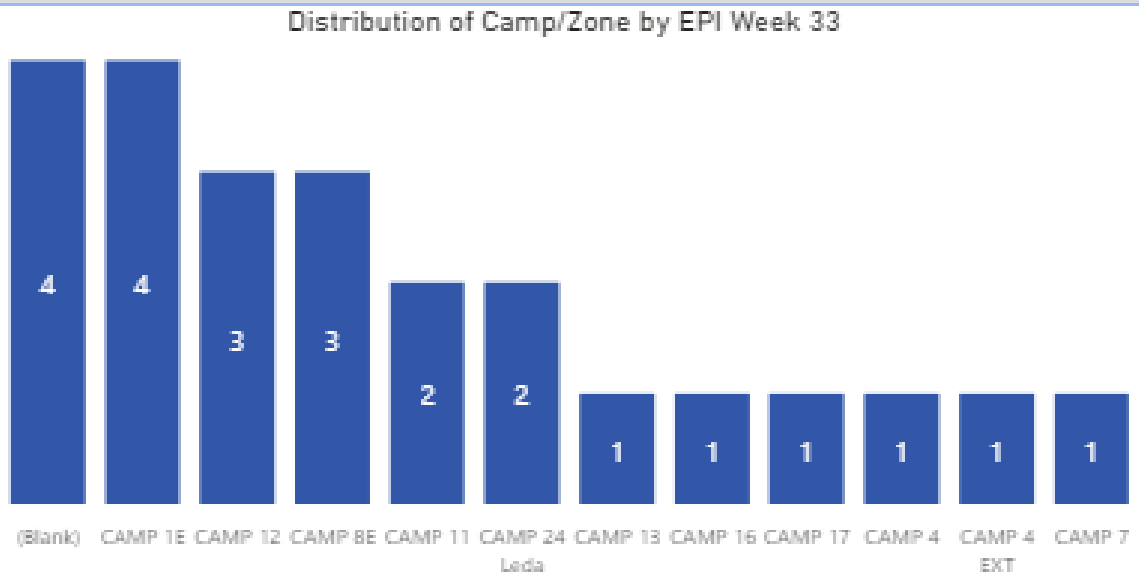
Diarrhoeal Disease

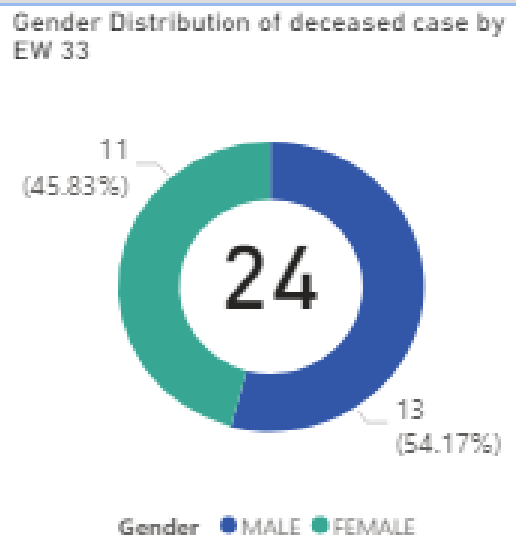
- A total 2 991 cases of diarrhoeal diseases reported in EWARS in week 33
- Among which 2047 cases (4.2%) reported as acute watery diarrhoea (AWD), 706 (1.5%) and 238 (0.5%) cases as other diarrhea and bloody diarrhea respectively.
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

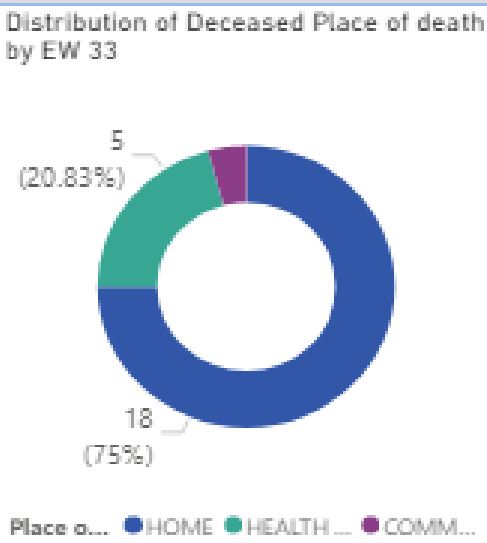
Community-based Mortality surveillance

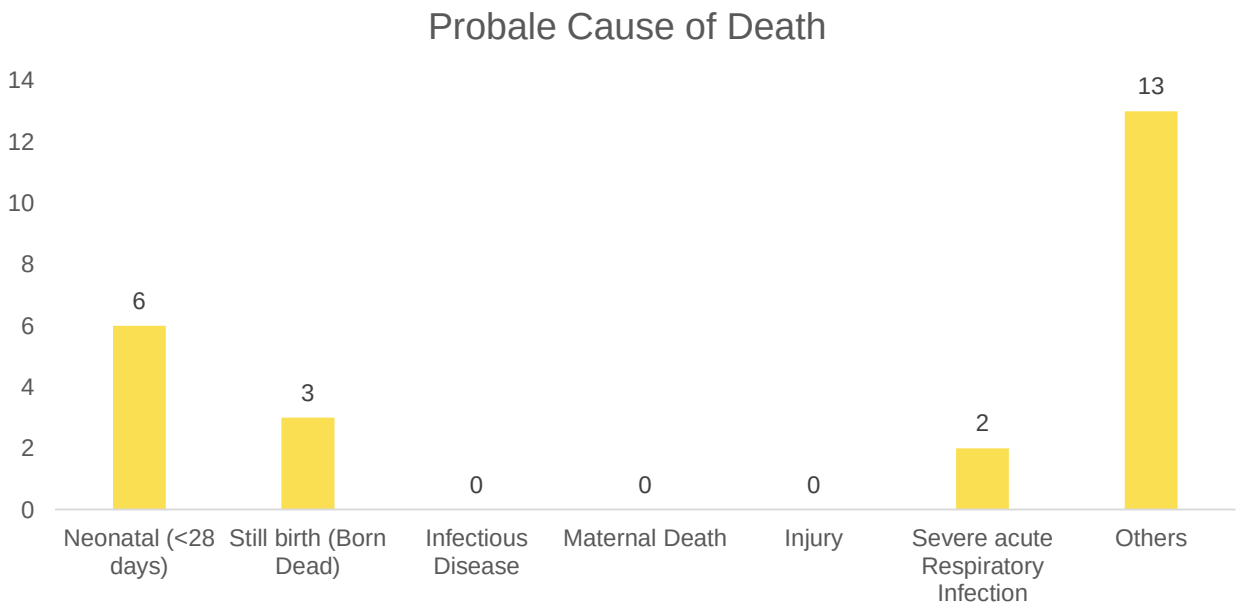
- In week 33 total of 24 deaths were recorded, 54% (n=13) were due to causes classified as “Others” , 25% (n=6) Neonatal (<28 days old) , 13% (n=3) Still birth (Born Dead) and 8% (n=2) Severe acute respiratory infection.
- 20.83% of deaths reported in the health facility, 75% of deaths reported in homes and 4.17% of deaths reported from Community/ Public place
- Partners to report **all mortalities** into EWARS using the “Community-based mortality surveillance” form.

Community-based Mortality Surveillance









Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W33 2020

Ministry of Health and Family Welfare Bangladesh

World Health Organization

HEALTH SECTOR COX'S BAZAR

Printed: 17:14 Tuesday, 18 August 2020 UTC

Contents

Highlights

Early Warning

Alert

Sources of data

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

Highlights W33 2020

Table 1 | Coverage

#	%	
854,704	-	Estimated total Rohingya population[1]
854,704	100%	Total population under surveillance
166	-	Total number of health facilities
146	88%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W33	Cumulative (2020)	
101	4469	Number of weekly reports received
68%	86%	Completeness
68%	79%	Timeliness

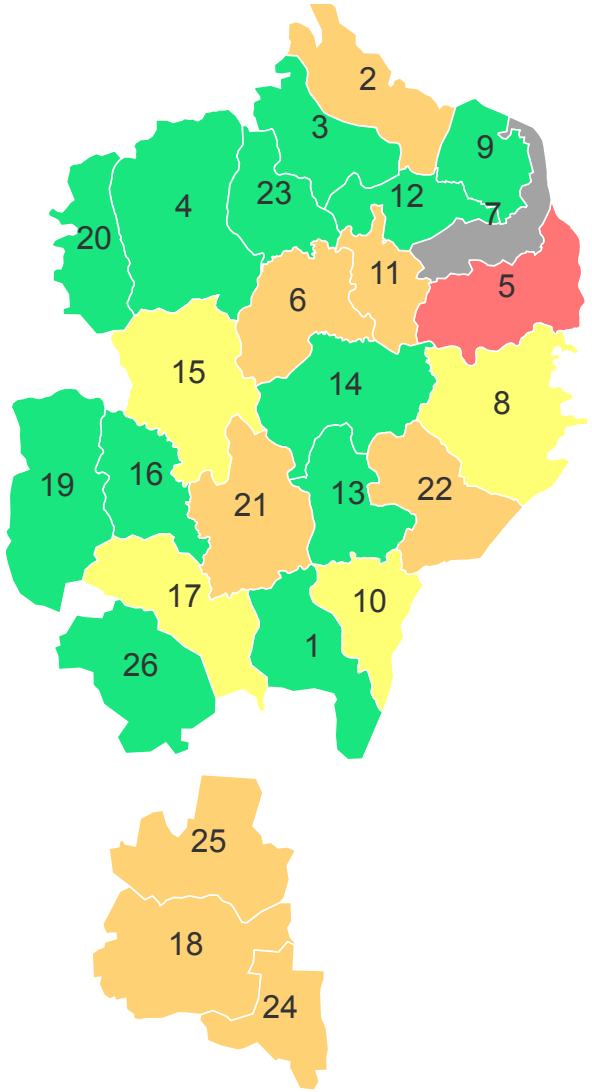
Table 3 Alert performance indicators

W33	Cumulative (2020)	
47	2,058	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 Goverment of Bangladesh- UNHCR Population Factsheet. 31 December 2019.

Map 1a | Ukhia completeness by camp

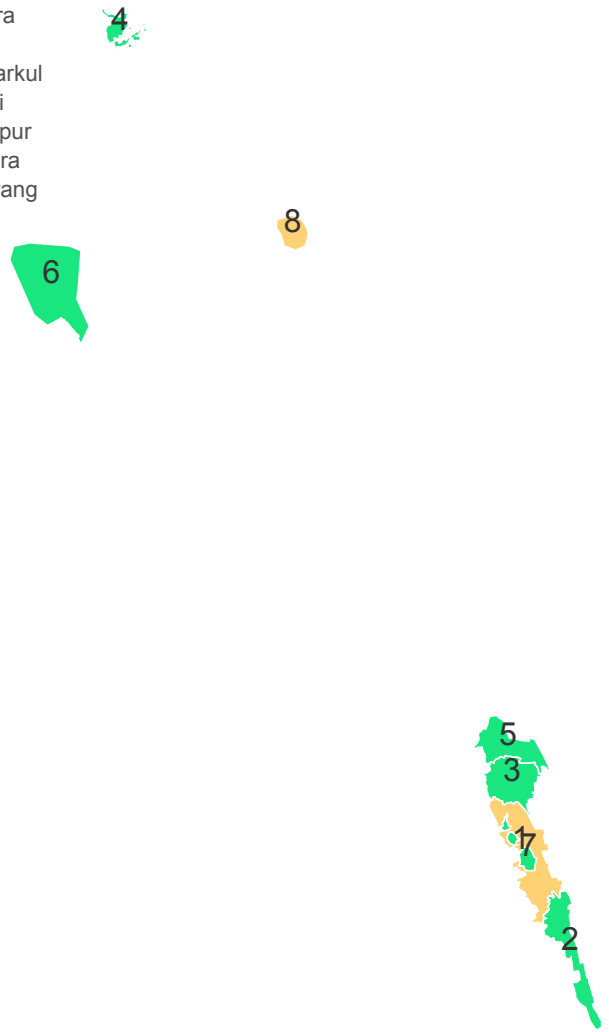
1 Camp 12
2 Camp 1E
3 Camp 1W
4 Camp 4
5 Camp 7
6 Camp 5
7 Camp 2E
8 Camp 8E
9 Kutupalong RC
10 Camp 11
11 Camp 6
12 Camp 2W
13 Camp 10
14 Camp 8W
15 Camp 17
16 Camp 20
17 Camp 19
18 Camp 15
19 Camp 20 Ext
20 Camp 4 Ext
21 Camp 18
22 Camp 9
23 Camp 3
24 Camp 16
25 Camp 14
26 Camp 13



Completeness
0 25% 50% 75% 100%

Map 1b | Teknaf 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
0 25% 50% 75% 100%

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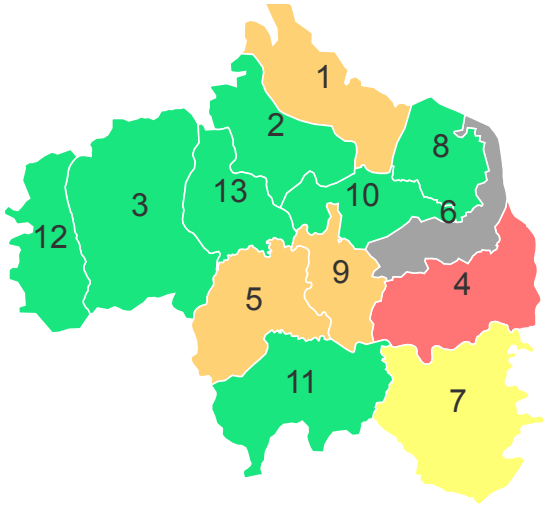
Table 4 | Performance by camp (W33 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	4	2	50%	50%
Camp 1W	3	3	100%	100%
Camp 2E	1	0	0%	0%
Camp 2W	2	2	100%	100%
Camp 3	6	5	83%	83%
Camp 4	6	5	80%	80%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	3	60%	60%
Camp 6	2	1	50%	50%
Camp 7	6	1	17%	17%
Camp 8E	7	2	29%	29%
Camp 8W	6	5	83%	83%
Kutupalong RC	1	1	100%	100%

Map 2 | Completeness 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



Completeness
0 25% 50% 75% 100%

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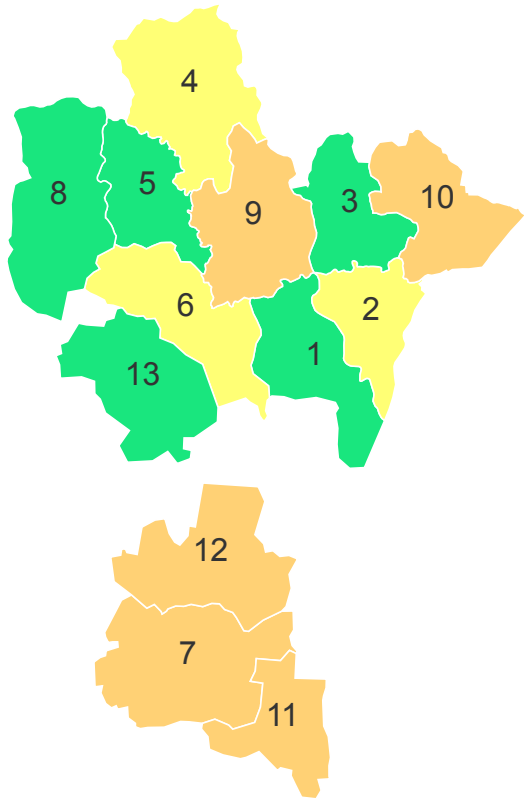
Table 5 | Performance by camp (W33 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	4	100%	100%
Camp 11	9	4	44%	44%
Camp 12	6	6	100%	100%
Camp 13	9	8	89%	89%
Camp 14	6	4	67%	67%
Camp 15	10	6	67%	67%
Camp 16	5	3	60%	60%
Camp 17	5	2	40%	40%
Camp 18	5	3	60%	60%
Camp 19	5	2	40%	40%
Camp 20	3	3	100%	100%
Camp 20 Ext	1	1	100%	100%
Camp 9	7	3	50%	50%

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



Completeness
0 25% 50% 75% 100%

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Table 6 | Performance by camp (W33 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	2	2	100%	100%

Map 4 | Completeness by camp

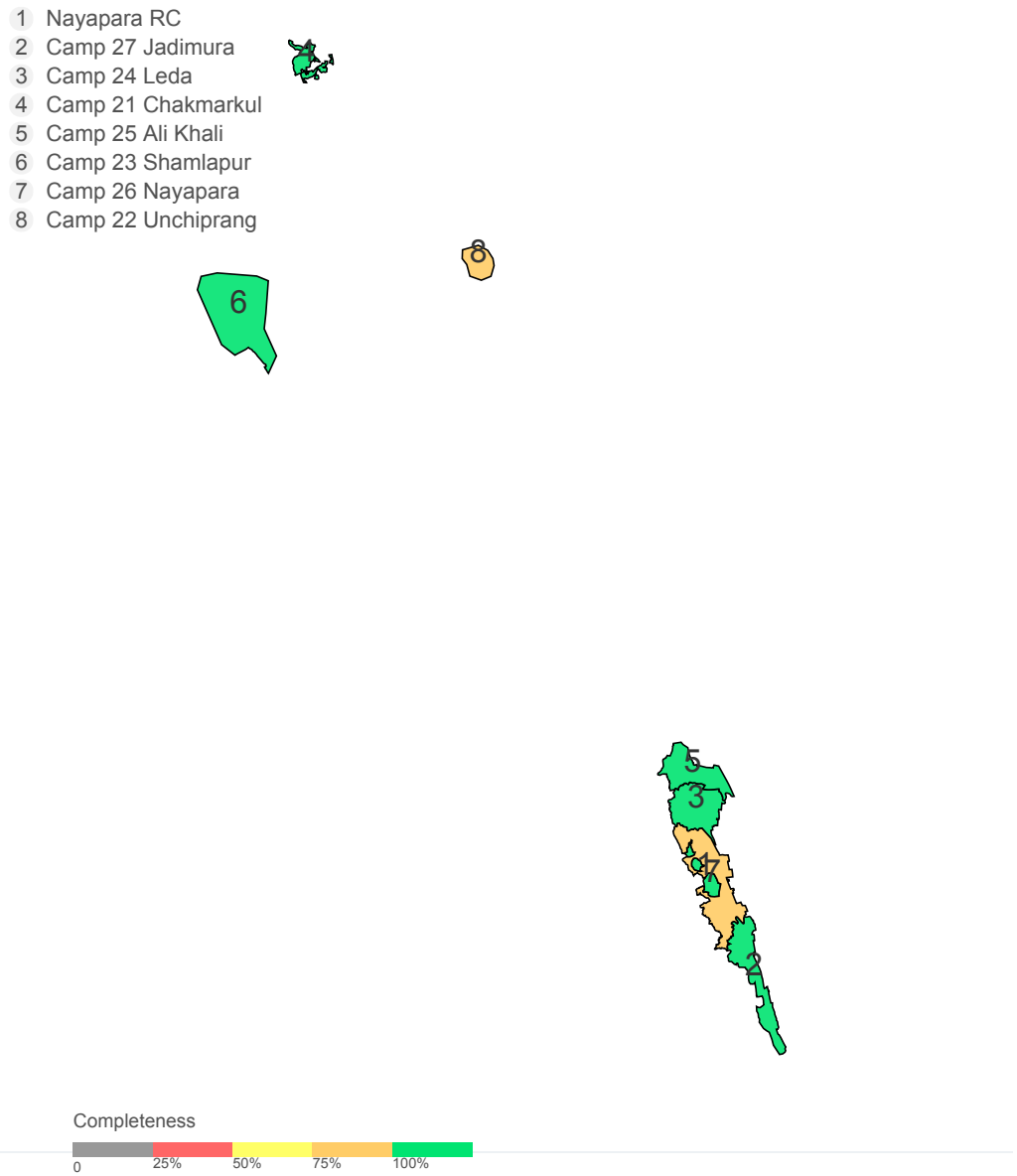


Table 7 | Performance by partner (W33 2020)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	8	5	63%	63%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	0	0%	0%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	21	15	71%	71%
IRC	2	2	100%	100%
MSF	8	6	75%	75%
MoH	1	1	100%	100%
Hope	1	1	100%	100%
Medair	2	2	100%	100%

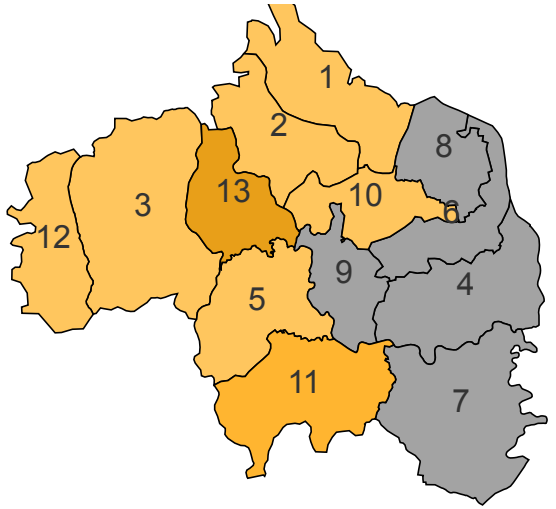
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	3	3	100%	100%
PHD	8	8	100%	100%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	9	8	89%	89%
SCI	9	7	78%	78%
TdH	1	1	100%	100%

Table 8 | Performance by camp

Northern group	W33		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	2	100%	49	100%
Camp 1W	1	100%	35	100%
Camp 2E	0	0%	50	100%
Camp 2W	1	100%	46	100%
Camp 3	6	100%	158	100%
Camp 4	2	100%	131	100%
Camp 4 Ext	1	100%	15	100%
Camp 5	1	100%	106	100%
Camp 6	0	0%	25	100%
Camp 7	0	0%	43	100%
Camp 8E	0	0%	25	100%
Camp 8W	3	100%	78	100%
Kutupalong RC	0	0%	12	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



# of alerts
0 2 5 10

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Table 9 | Performance by camp

Southern group	W33		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	3	100%	67	100%
Camp 11	4	100%	84	100%
Camp 12	4	100%	108	100%
Camp 13	3	100%	135	100%
Camp 14	1	100%	66	100%
Camp 15	2	100%	98	100%
Camp 16	0	0%	89	100%
Camp 17	2	100%	58	100%
Camp 18	2	100%	61	100%
Camp 19	0	0%	73	100%
Camp 20	1	100%	45	100%
Camp 20 Ext	0	0%	14	100%
Camp 9	2	100%	92	100%

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

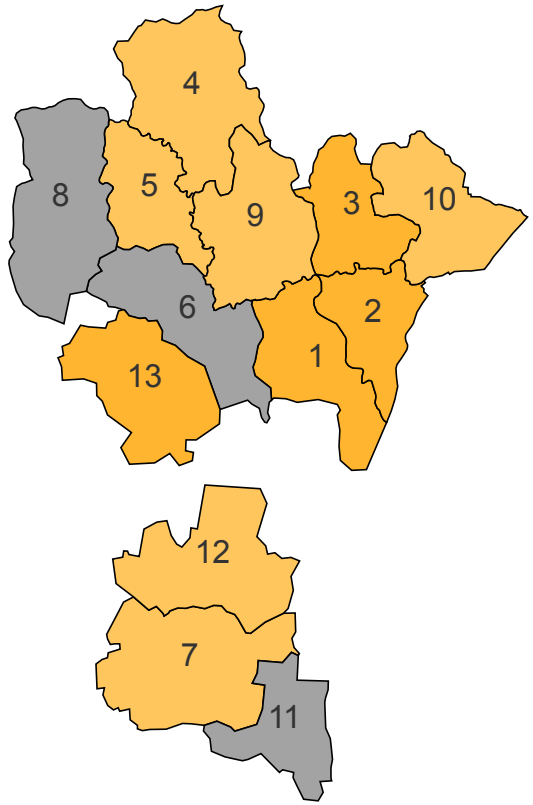

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Table 10 | Performance by camp

Teknaf	W33		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	1	100%	40	100%
Camp 22 Unchiprang	2	100%	21	100%
Camp 23 Shamlapur	0	0%	41	100%
Camp 24 Leda	0	0%	17	100%
Camp 25 Ali Khali	0	0%	19	100%
Camp 26 Nayapara	0	0%	42	100%
Camp 27 Jadimura	0	0%	15	100%
Nayapara RC	0	0%	23	100%

Map 7 | Number of alerts by camp

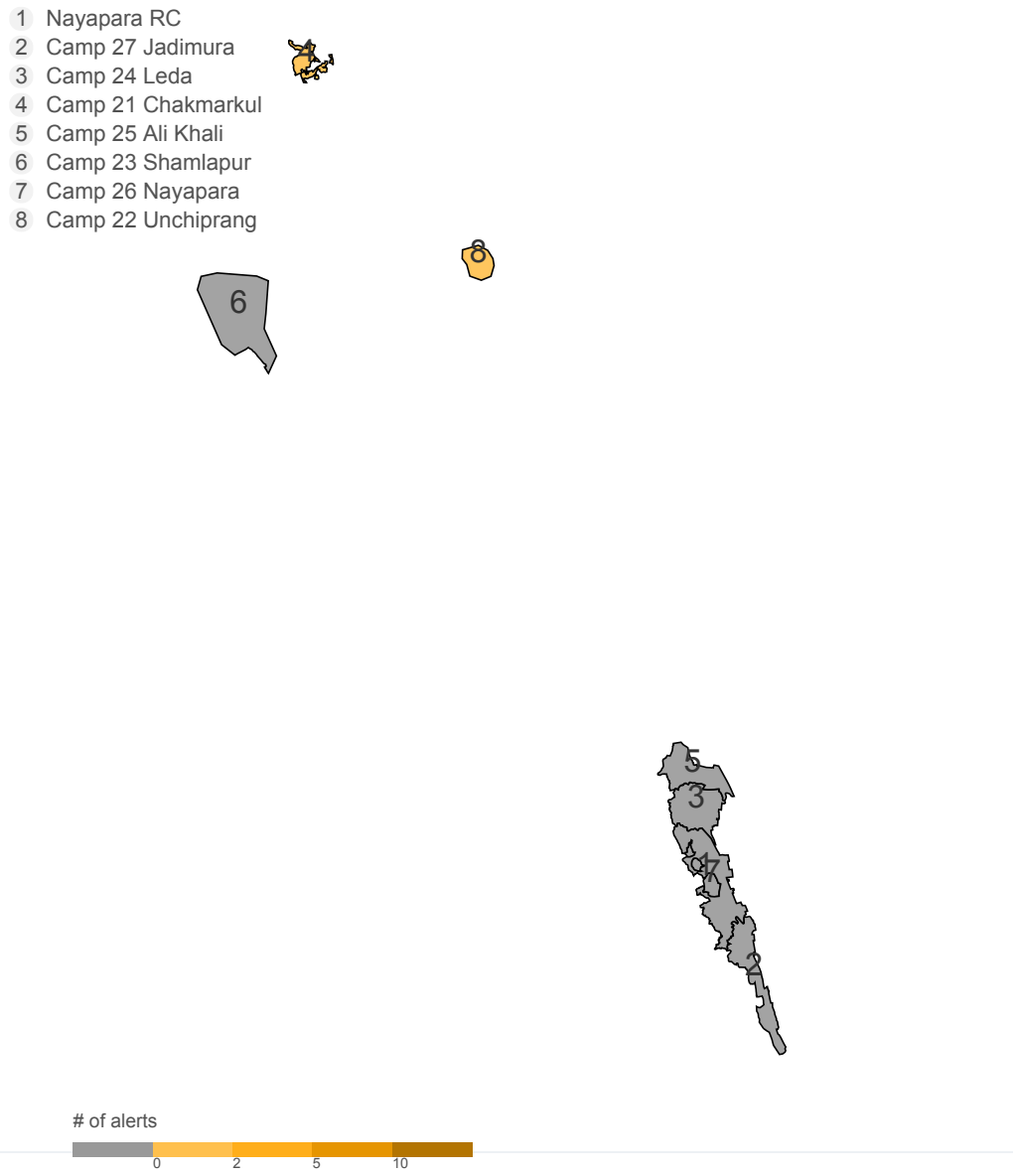

Table 11 | Performance by type of alert

Event	W33		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	2	100%	719	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	9	100%
Meningitis	0	0%	11	100%
Haem. fever (susp.)	0	0%	8	100%
NNT	0	0%	1	100%
Unexp. fever	6	100%	155	100%
AWD	9	100%	203	100%
ARI	9	100%	197	100%
AJS	2	100%	86	100%
Varicella (Susp.)	0	0%	12	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	0	0%	158	100%

Table 12 | Risk assessment

W33	Cumulative (2020)	
0	0	Low risk
0	0	Moderate risk
0	0	High risk
0	0	Very high risk

For more help and support, please contact:

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Cox's Bazar, Bangladesh

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Surveillance & Outbreak Officer
World Health Organization
Cox's Bazar, Bangladesh

Telephone: +88 017 1355 9987

Email: mds@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

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HEALTH SECTOR COX'S BAZAR

Global EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W33 2020

Ministry of Health and Family Welfare Bangladesh

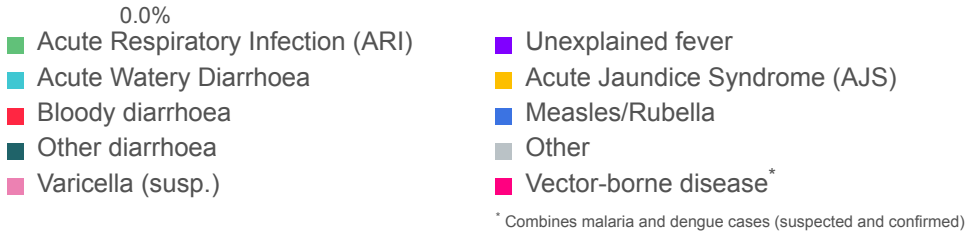
World Health Organization

HEALTH SECTOR COX'S BAZAR

Printed: 17:16 Tuesday, 18 August 2020 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W33 2020)



Disease	W33		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,047	4.2%	80,152	4.5%
Bloody diarr.	238	0.5%	9,994	0.6%
Other diarr.	706	1.5%	28,603	1.6%
Susp. Varicella	18	0.0%	1,568	0.1%
ARI	10,247	21.1%	360,847	20.5%
Measles/Rub.	2	0.0%	4,453	0.3%
AFP	0	0.0%	7	0.0%
Susp. menin.	1	0.0%	39	0.0%
AJS	12	0.0%	689	0.0%
Susp. HF	0	0.0%	12	0.0%
Neo. tetanus	0	0.0%	1	0.0%
Adult tetanus	0	0.0%	1	0.0%
Malaria (conf.)	0	0.0%	6	0.0%
Malaria (susp.)	1	0.0%	3,505	0.2%
Dengue (conf.)	0	0.0%	1	0.0%
Dengue (susp.)	0	0.0%	4	0.0%
Unexpl. fever	887	1.8%	35,235	2.0%
Sev. Malnut.	36	0.1%	725	0.0%
Inj./Wounds	1,376	2.8%	49,024	2.8%
Other	32,893	67.8%	1,186,713	67.3%
Total	**47,600**	**100%**	**1,762,196**	**100%**

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W33)

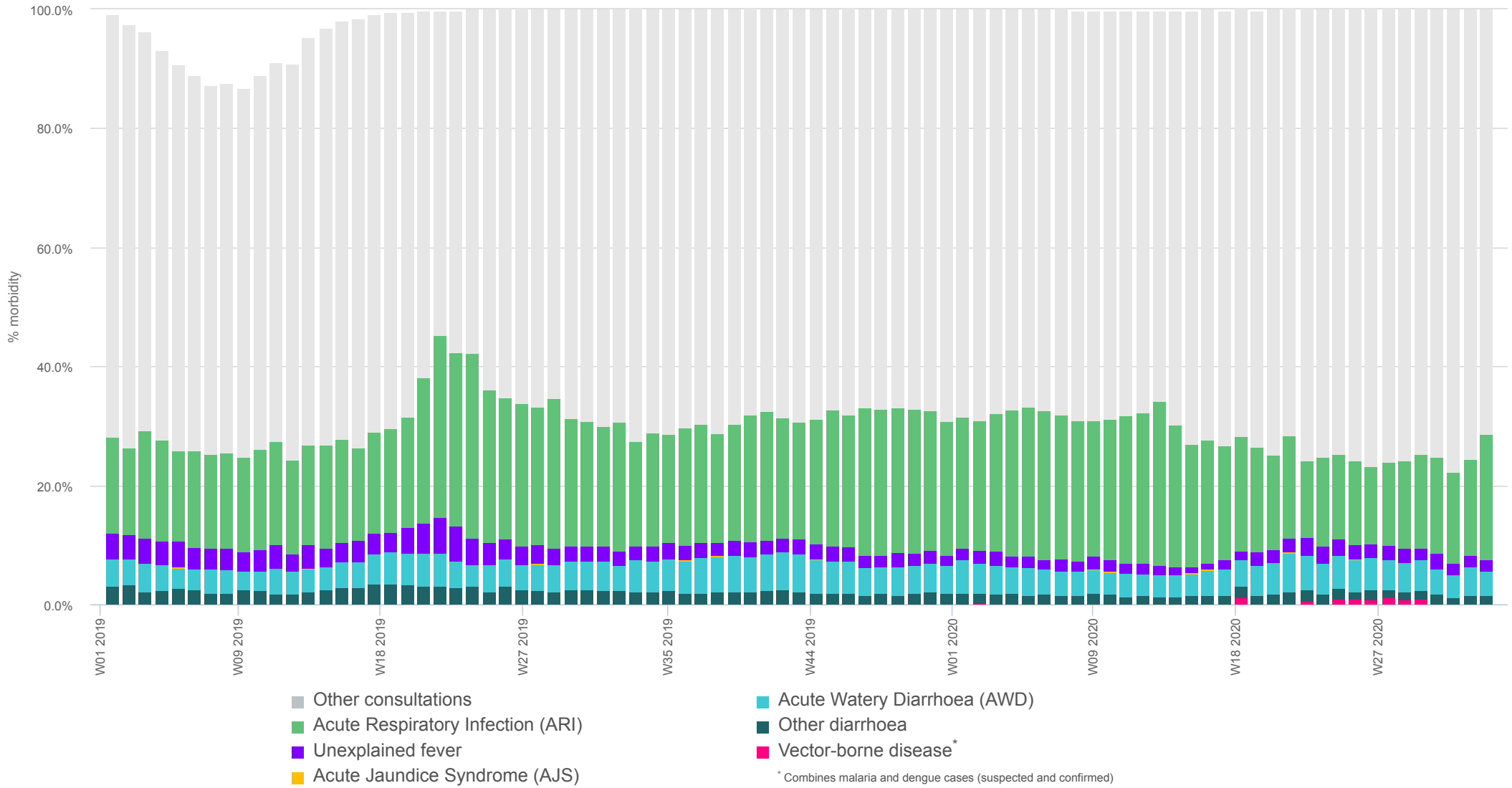
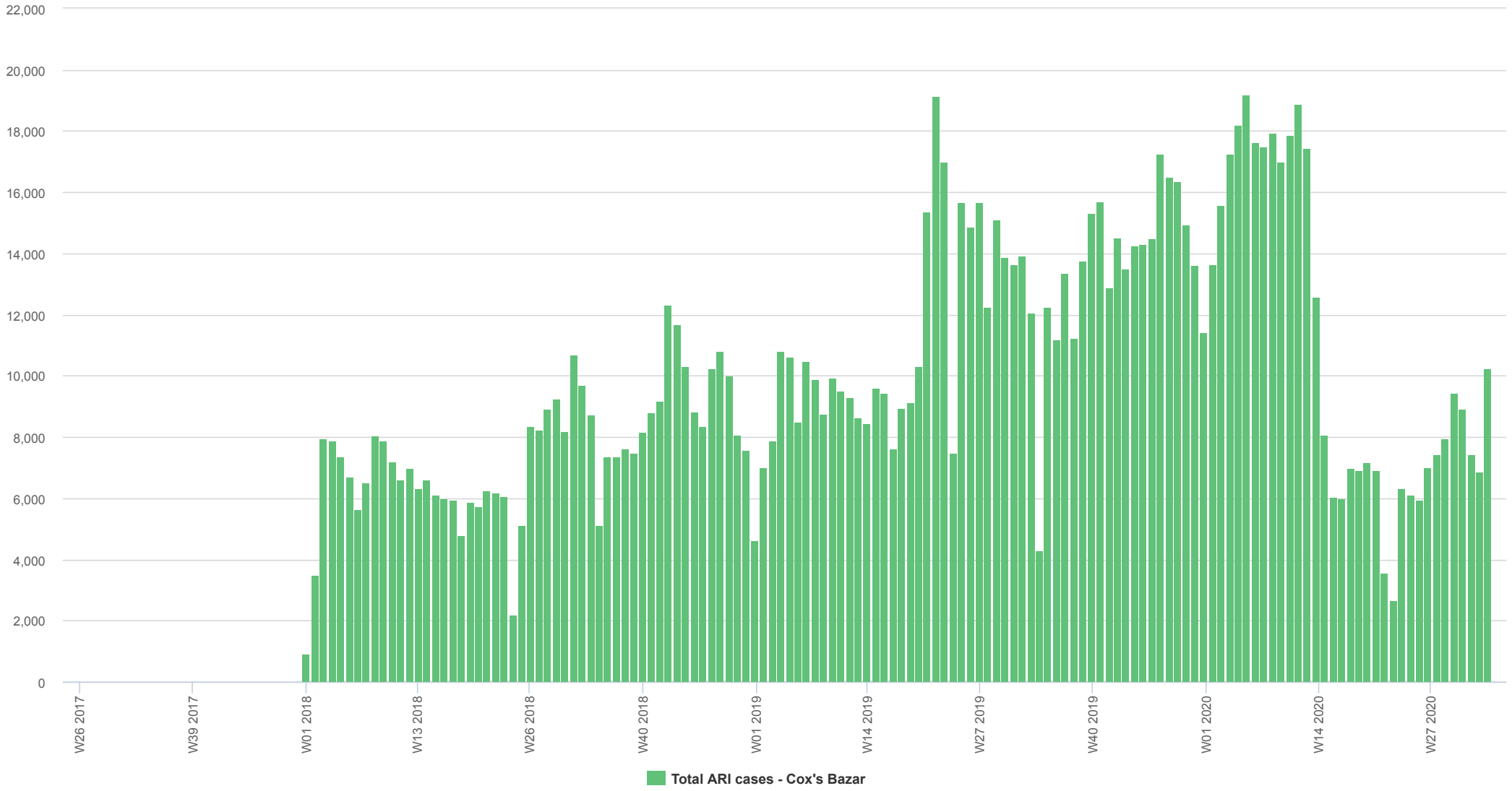
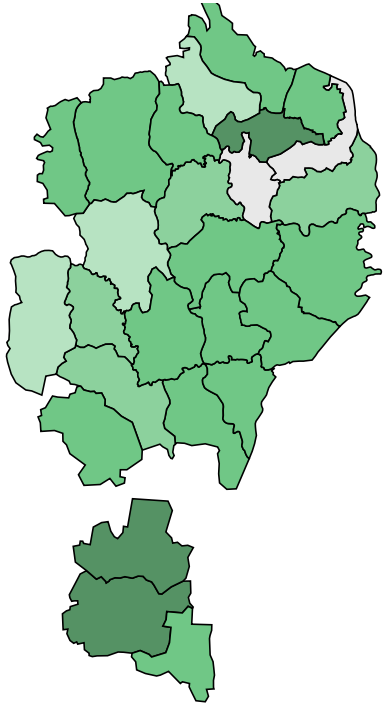


Figure 3 | Trend in number of cases over time (W38 2017 - W33 2020)



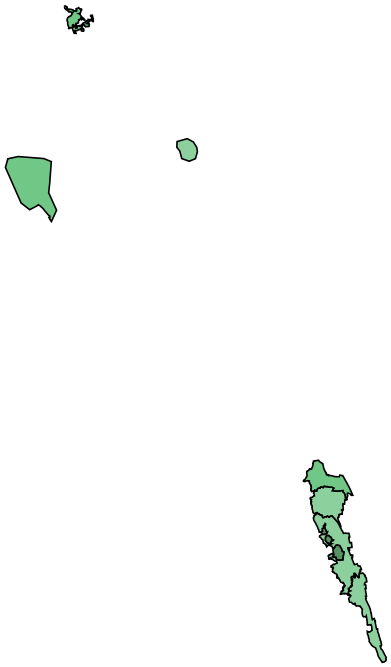
Map 1 | Map of cases by camp (W33 2020)

a. Ukhia | Number of cases

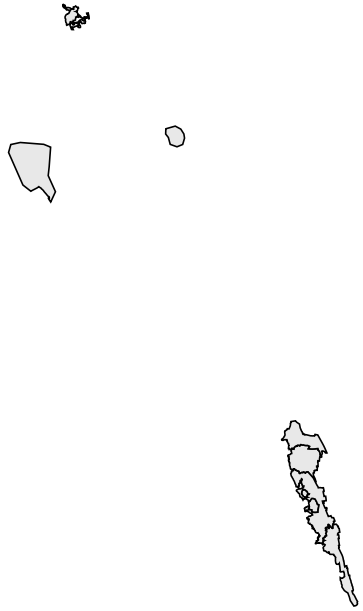


b. Ukhia | Number of alerts

c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend

Number of cases

Number of alerts

Alert threshold

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

Alert management (W33 2020)

0	0%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

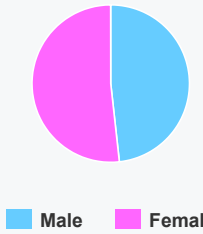


Figure | % age

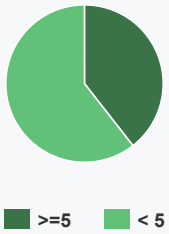
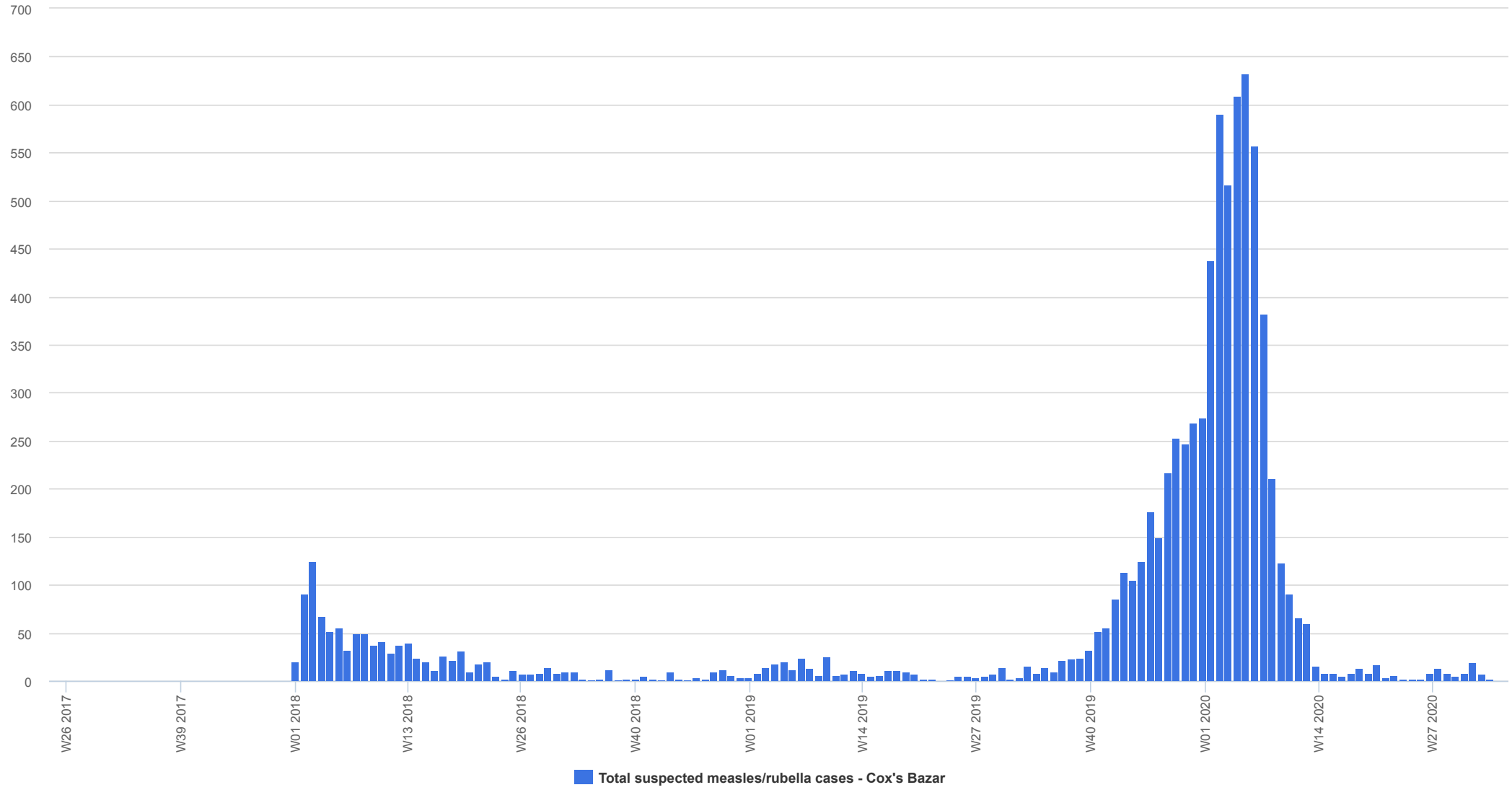
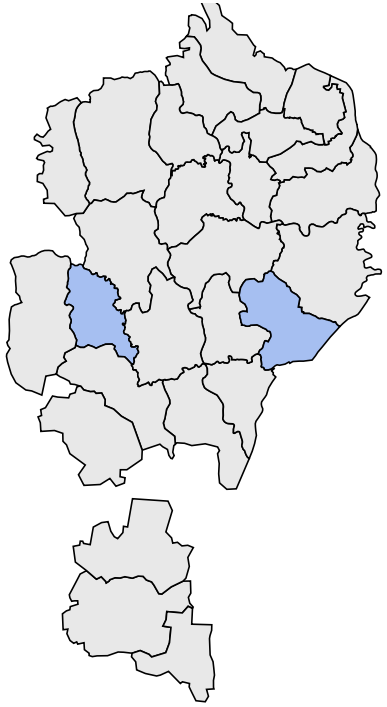


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W33 2020)

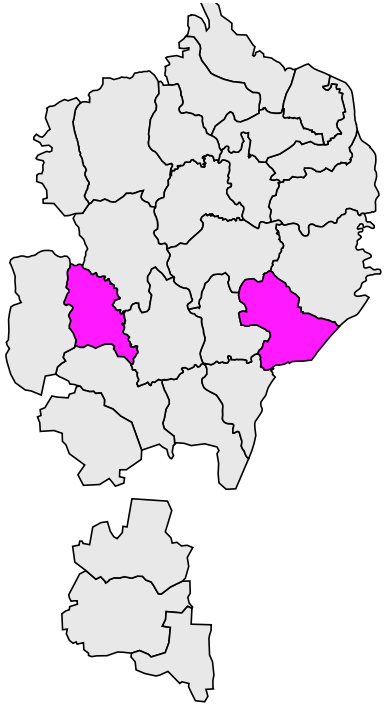


Map 2 | Map of cases by camp (W33 2020)

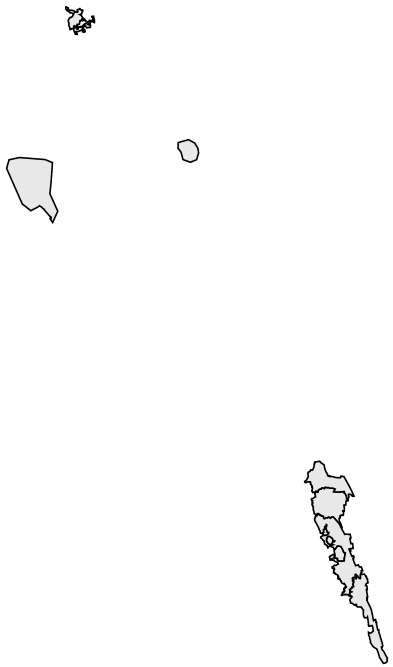
a. Ukhia | Number of cases



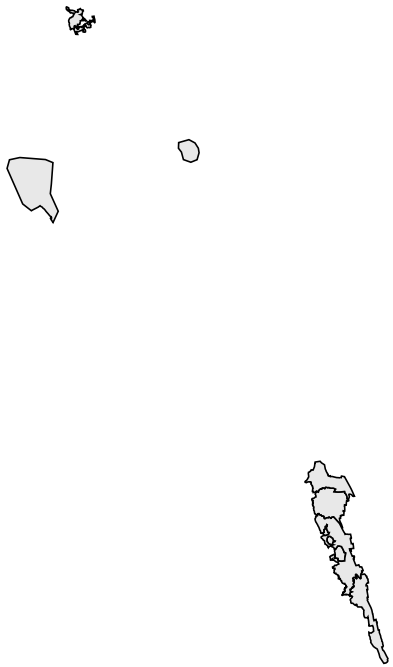
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

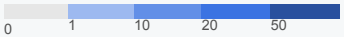


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts

Alert threshold

1 case. *Source: IEDCR*

Alert management (W33 2020)

2	100%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

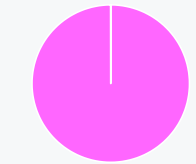
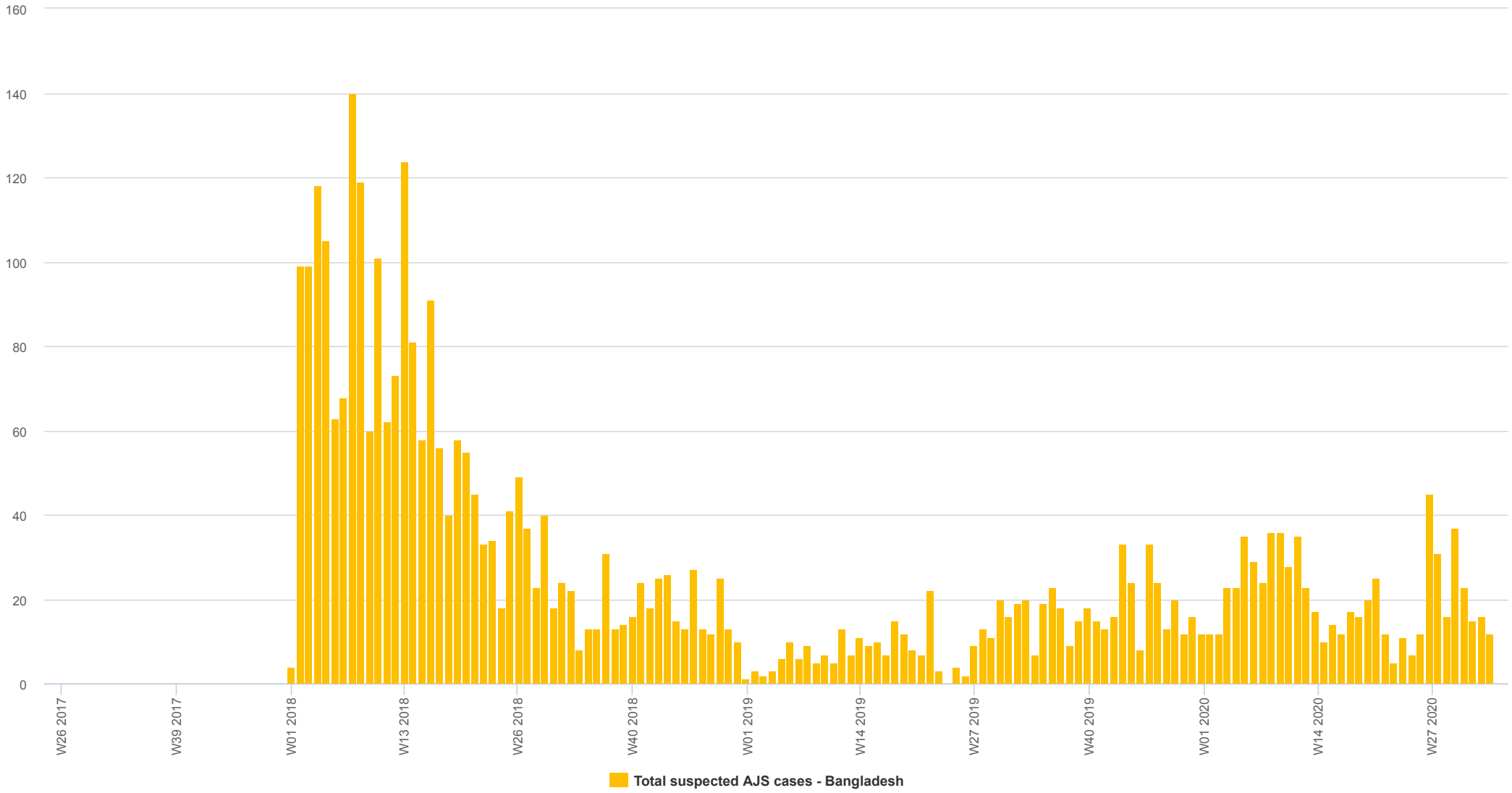


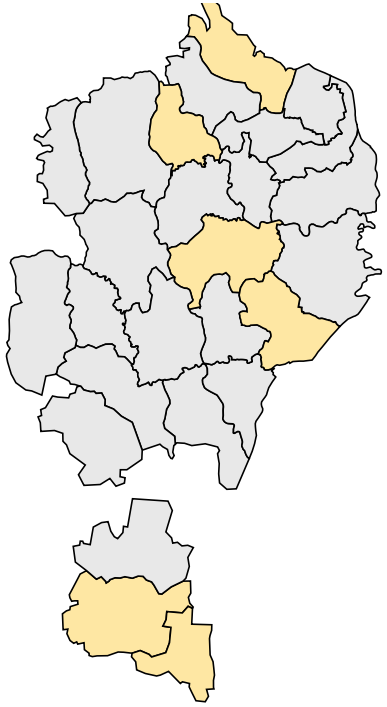
Figure | % age

Figure 5 | Trend in number of cases over time (W38 2017 - W33 2020)

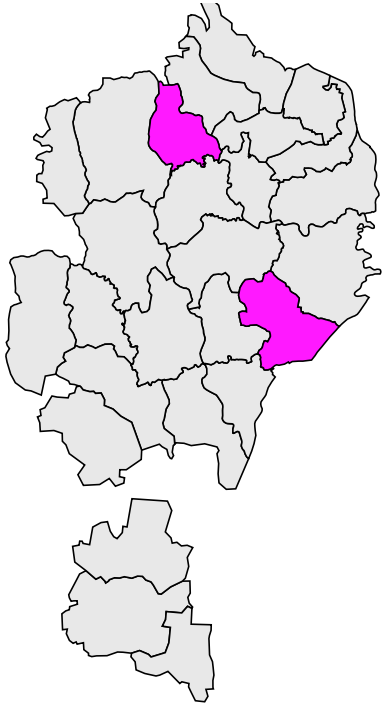


Map 3 | Map of cases by camp (W37 2017 - W33 2020)

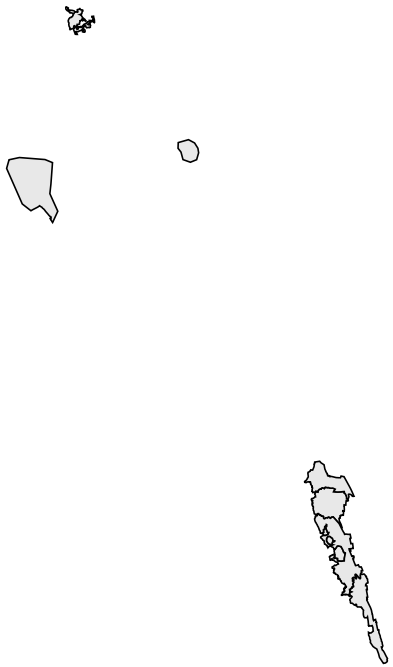
a. Ukhia | Number of cases



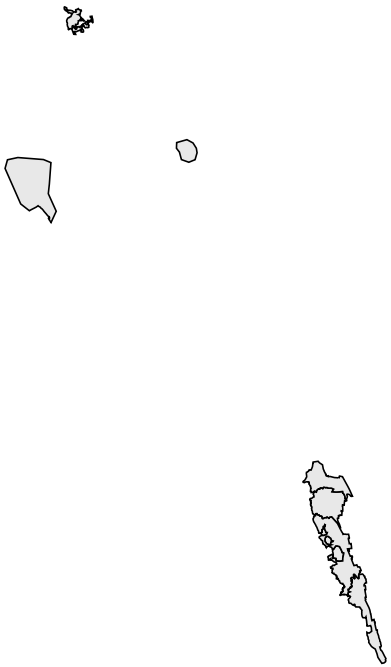
b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend

Number of cases

0 1 10 20 50

Number of alerts

0 1 10

Alert threshold

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

Alert management (W33 2020)

2	100%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

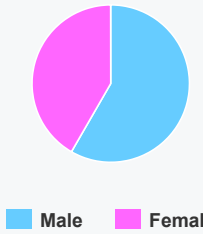


Figure | % age

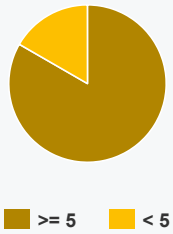


Figure 6 | Trend in number of cases over time (W38 2017 - W33 2020)

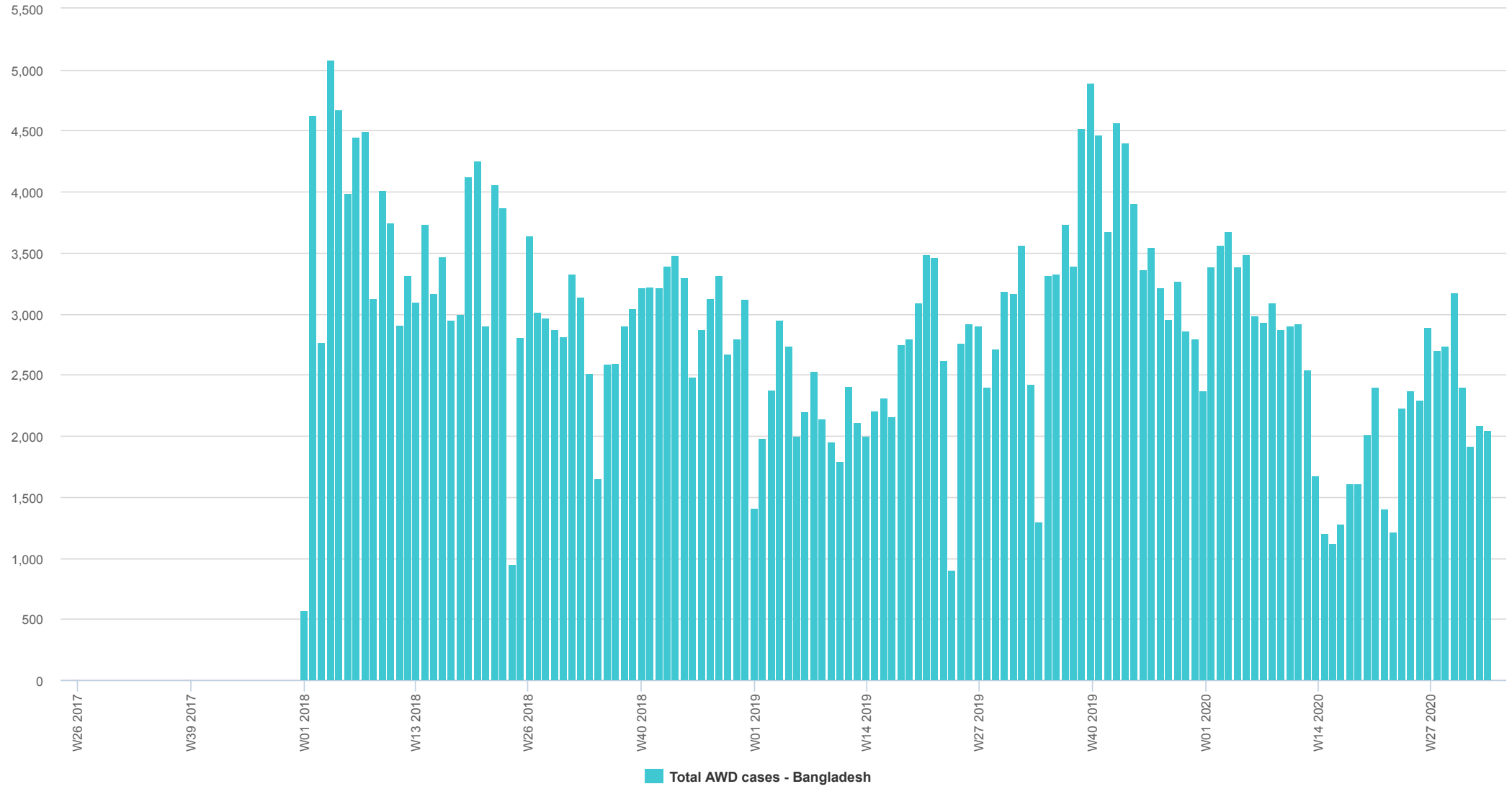
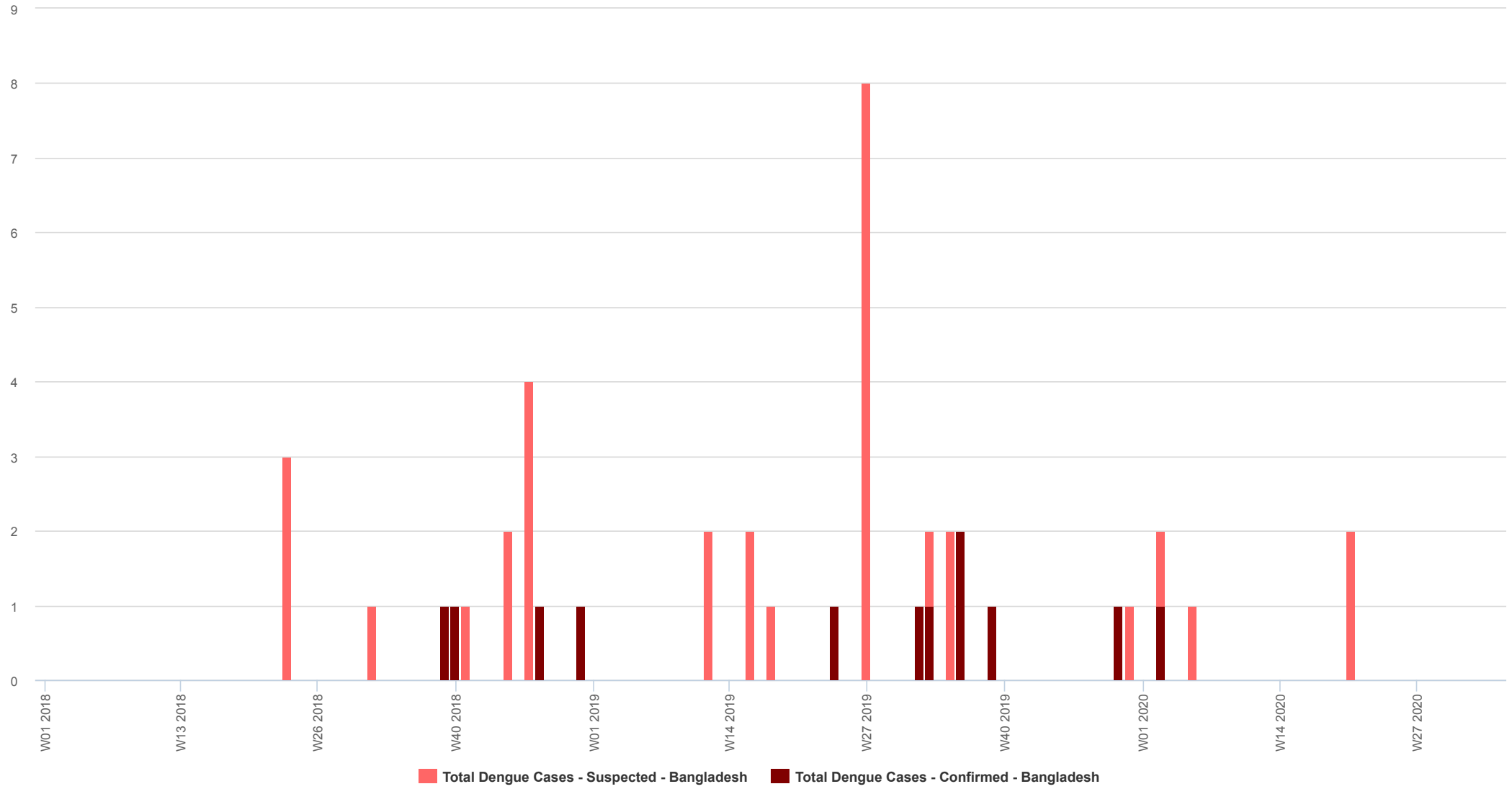


Figure 7 | Trend in number of cases over time (W38 2017 - W33 2020)

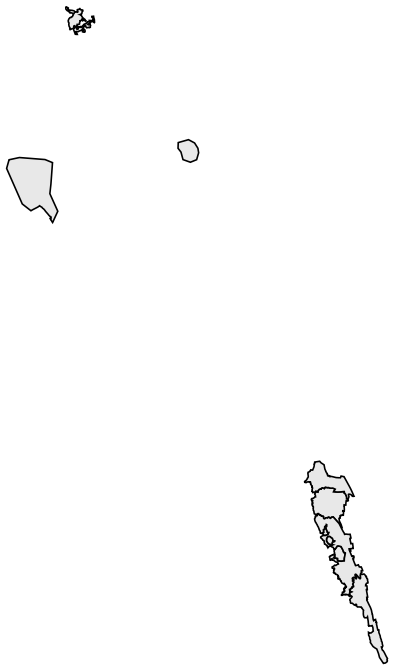


Map 4 | Map of cases by camp (W37 2017 - W33 2020)

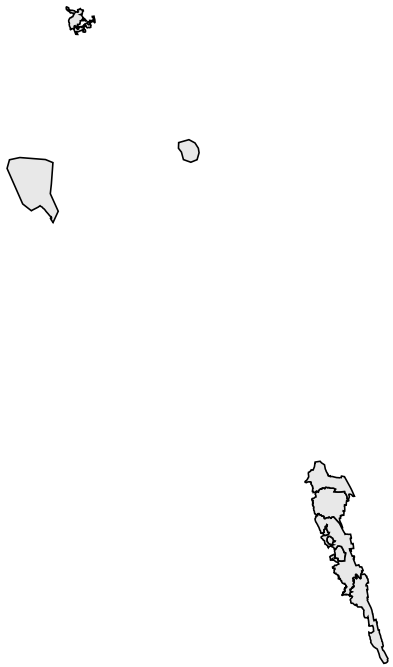
a. Ukhia | Number of cases

b. Ukhia | Number of alerts

c. Teknaf | Number of cases

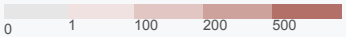


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts

Alert threshold

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

Alert management (W33 2020)

0	0%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

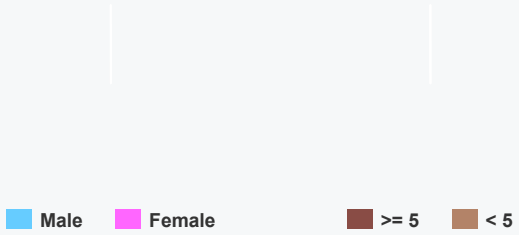
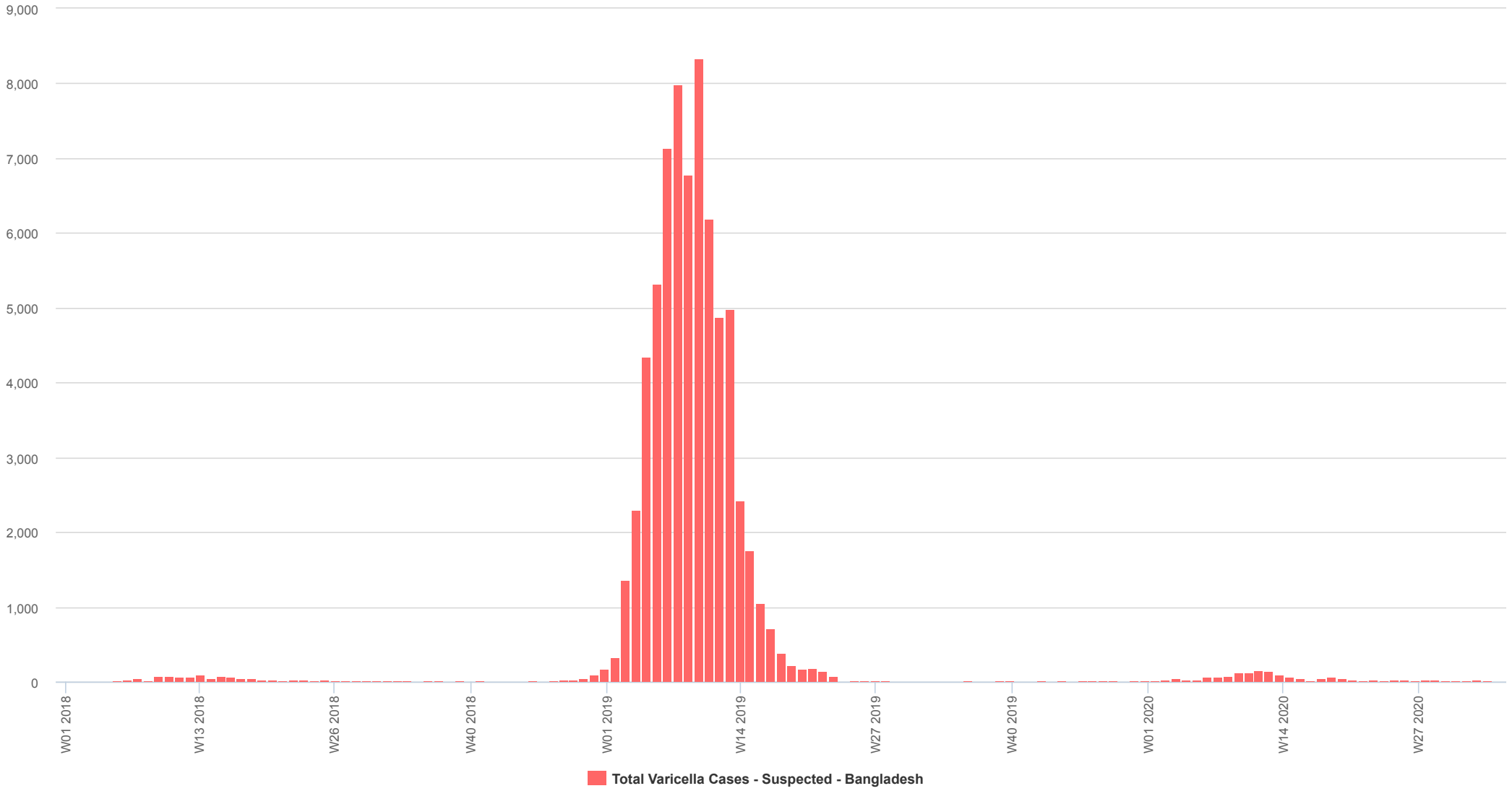


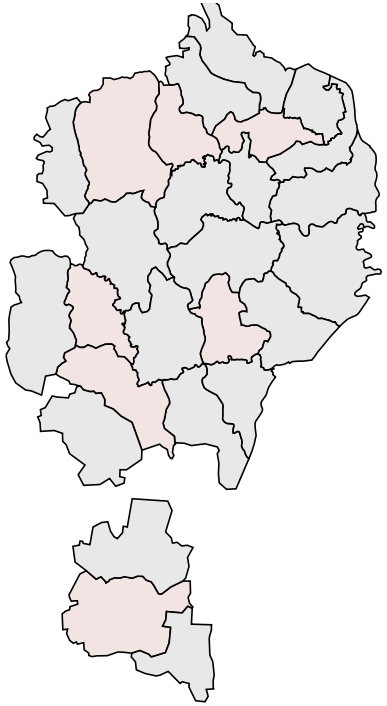
Figure | % age

Figure 7 | Trend in number of cases over time (W38 2017 - W33 2020)

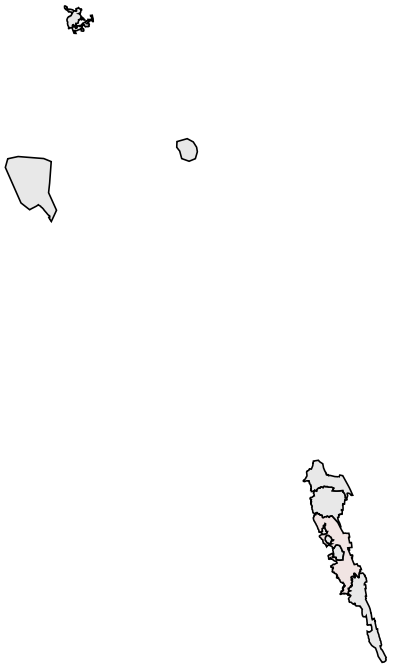


Map 4 | Map of cases by camp (W37 2017 - W33 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

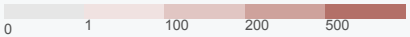
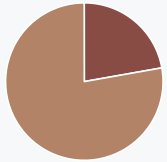


Figure | % sex

Male Female

Figure | % age



>= 5 < 5

World Health Organization HEALTH SECTOR COX'S BAZAR

For more help and support, please contact:

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World Health Organization
Cox's Bazar, Bangladesh

Telephone: +88 017 1355 9987

Email: mds@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

Ministry of Health and Family Welfare Bangladesh

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Global EWARS