



Epidemiological Highlights

Week 34 (17- 23 August 2020)



World Health
Organization

Highlights:

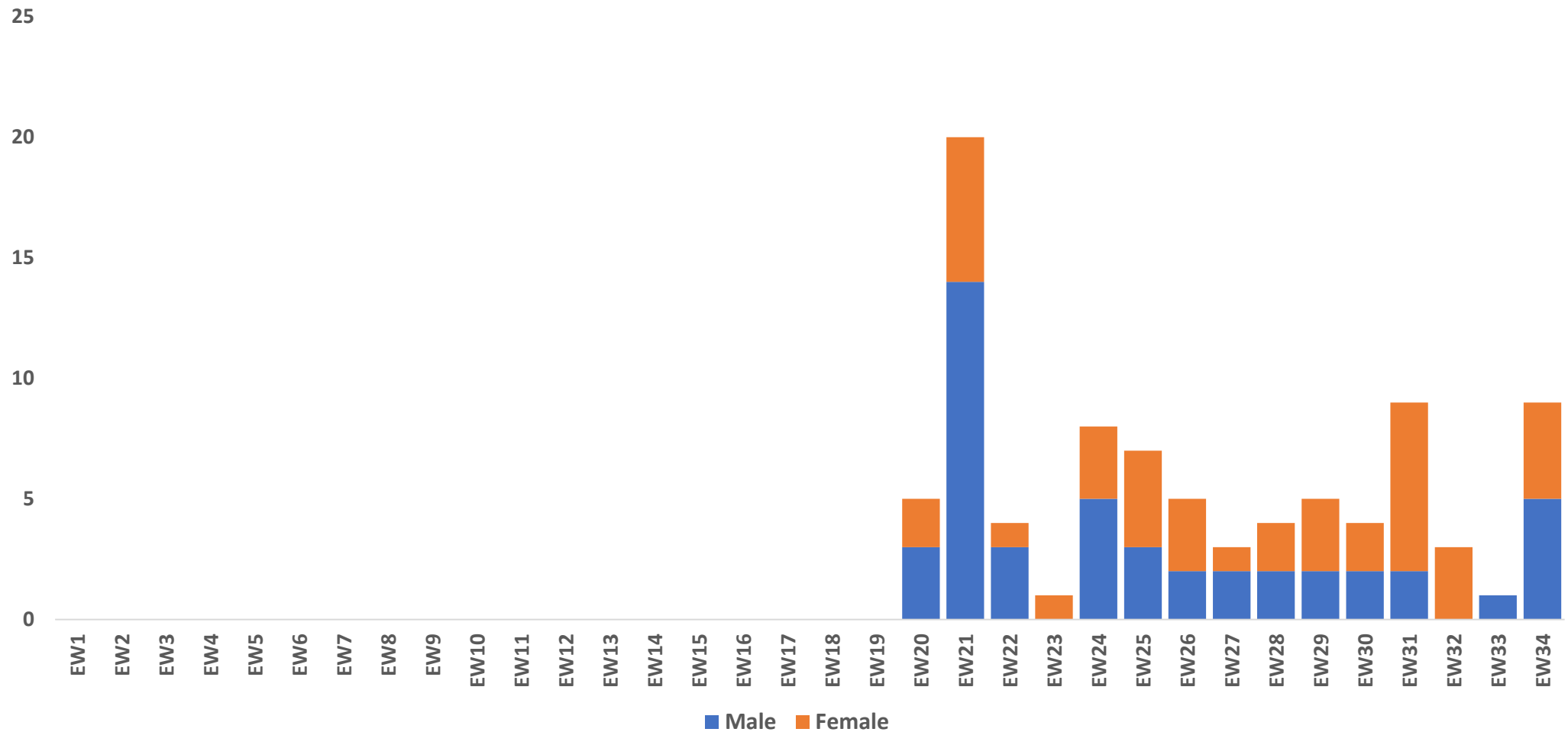
COVID-19 update among Host Population and FDMN/Rohingya Refugee* in Cox's Bazar

Number of test conducted (in last 24 hours)*	27,790 (219)	FDMN/Rohingya Refugee	Host Population
Number of confirmed case (in last 24 hours)**	3,927 (11)		
Total number of tests conducted (in last 24 hours)		3,931 (45)	23,859^ (174)
Total number of confirmed cases (in last 24 hours)		88 (0)	3,839 (11)
Total number of deaths (in last 24 hours)		6 (0)	62 (0)
Total number of cases in isolation (in last 24 hours)^		29 (0)	536 (10)
Total number of cases recovered (in last 24 hours)		53 (6)	3,241 (140)

*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.

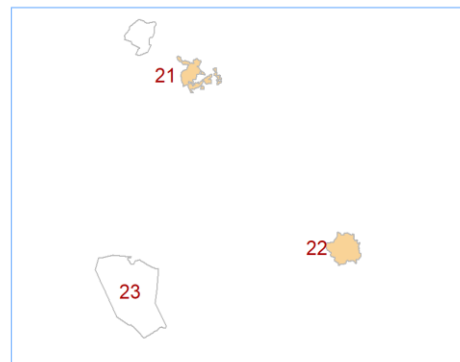
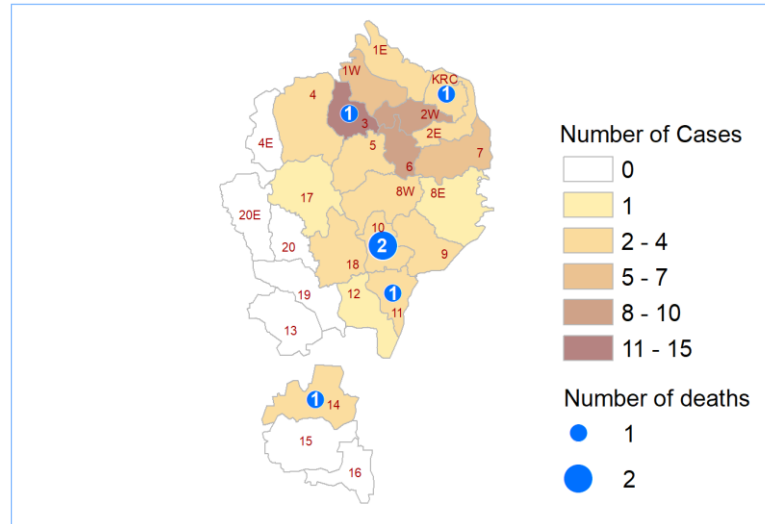
Highlights:

Epi Curve of COVID-19 positive cases among FDMN/Rohingya Refugees (n=88) by test date



Highlights:

COVID-19 Cases in Rohingya Camps (As of 23 August 2020)

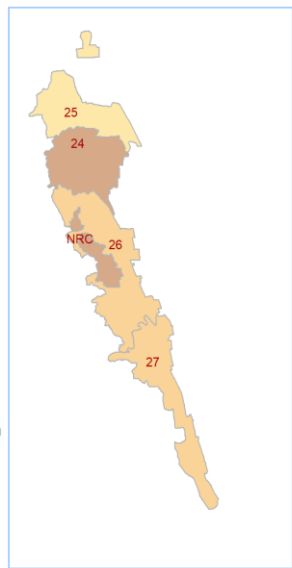


88 Confirmed cases in FDMN/Rohingya Refugee Camps

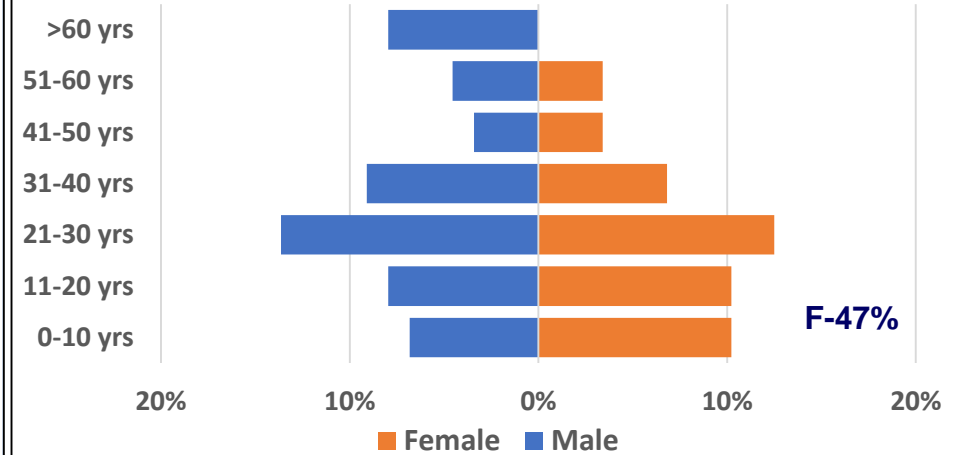
102 Confirmed cases/1 Million

6 Deaths in FDMN/Rohingya Refugee Camps

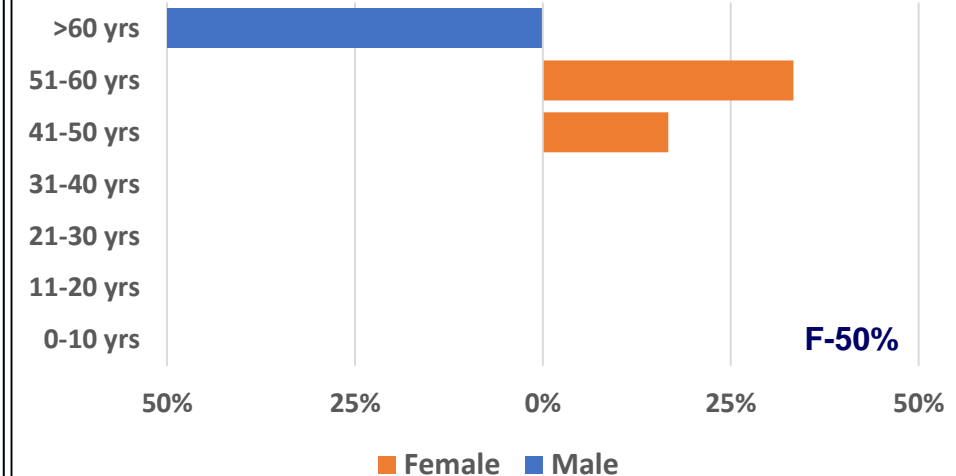
7 Deaths/1,000,000



Age and sex distributuion (%) (n=88)

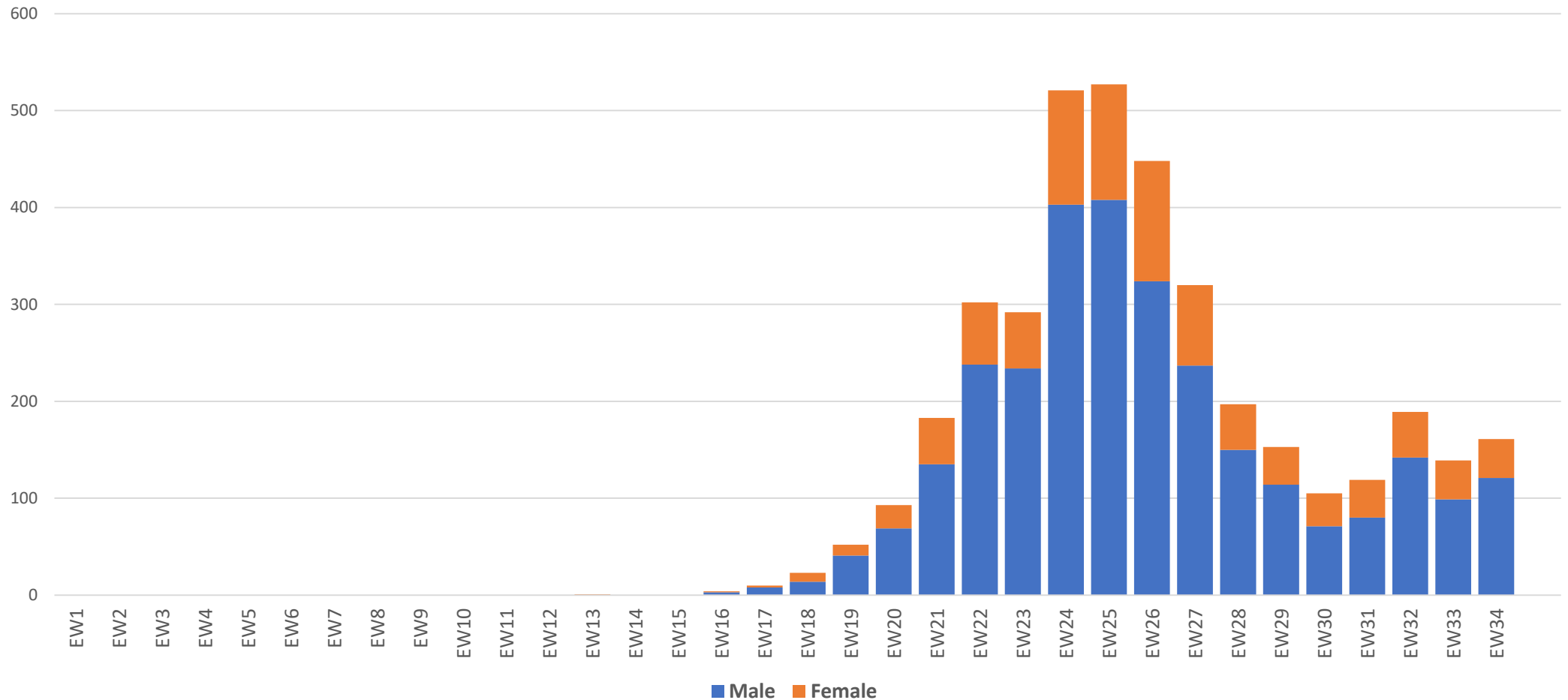


COVID-19 deaths (%) (n=6)



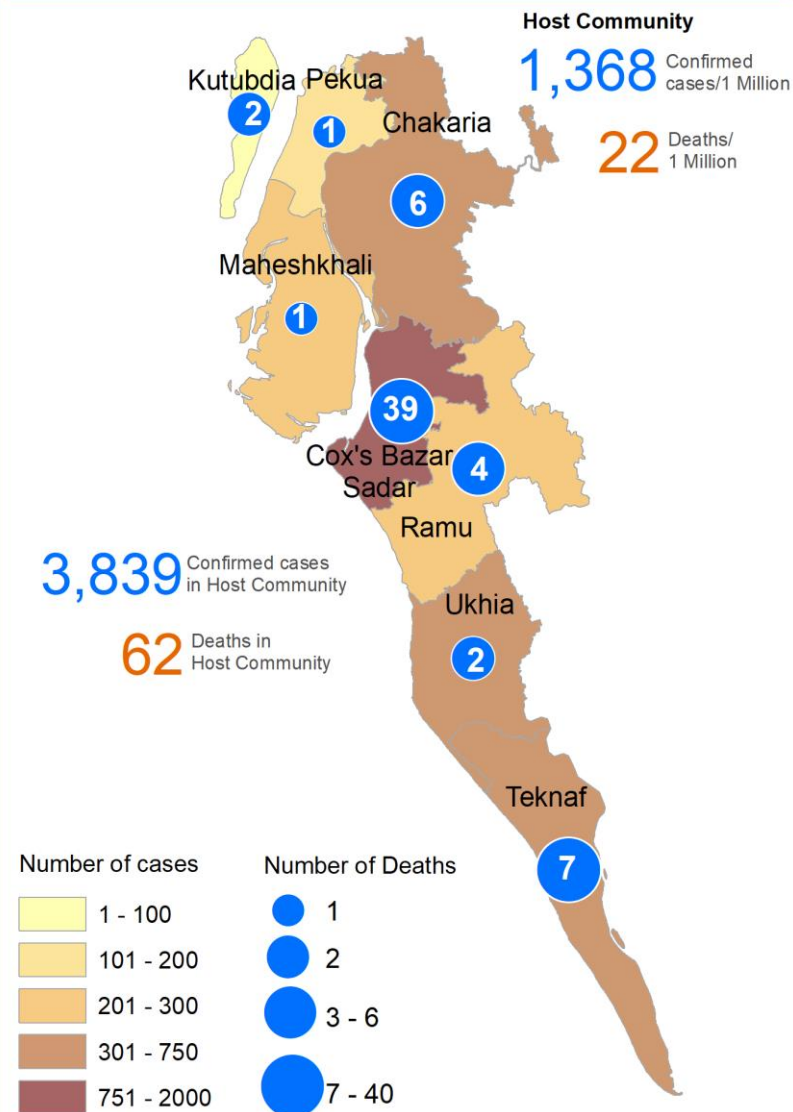
Highlights:

Laboratory confirmed cases (n=3,839) by week (Week#34)

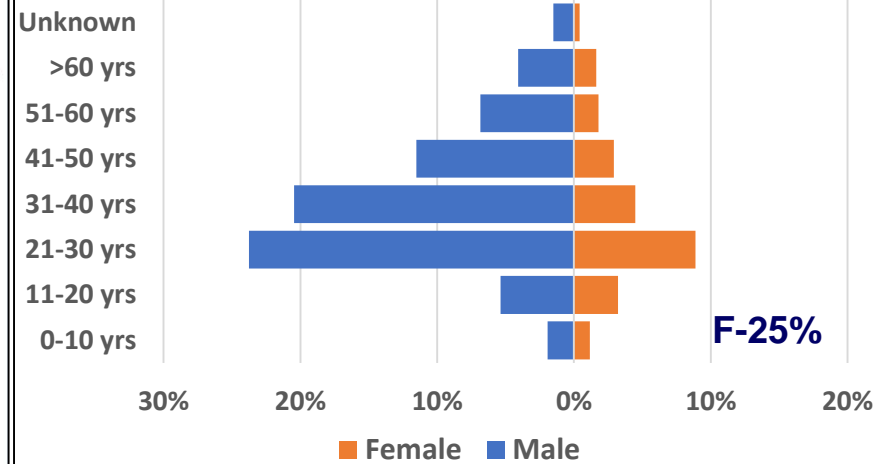


Highlights:

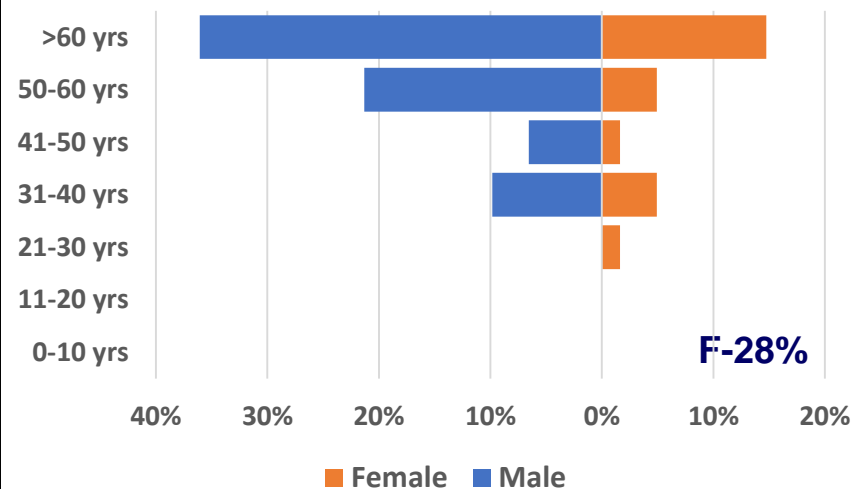
COVID-19 Cases in Cox's Bazar District (As of 23 August 2020)



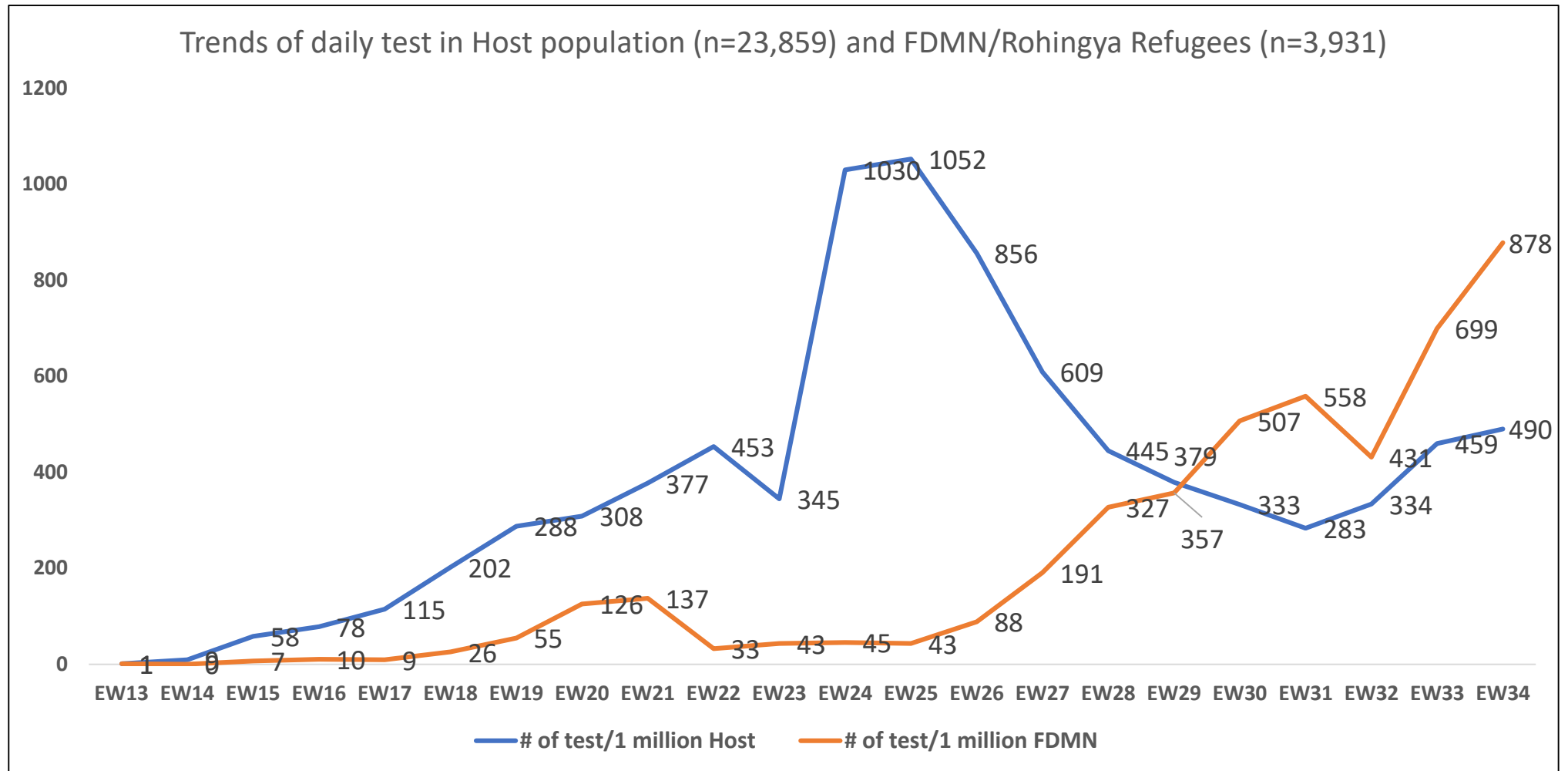
Age and Sex Distribution (%) (n=3,839)



Deaths by age and sex (%) (n=62)



Highlights:



Highlights:

- Acute Respiratory Infection (22.5%), Diarrheal Diseases (5.8%) & Unexplained Fever (1.5%) are the diseases with highest proportional morbidity in week 34.
- Total ARI consultation is significantly dropped over 50% in last 4 months but increasing in week last tow week 33 & 34 (21.1% & 22.5%) 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 120/146 weekly reports received in week 34.
- Completeness and Timeliness for this week is 80%.
- Total 52 alerts were triggered in week 34.
- All alerts were reviewed and verified by WHO EWARS team which is more than as of previous week (49 in week 33).

Diphtheria

Eight suspected diphtheria case reported in go.data in week 34

A total of 9 144 case-patients were reported since 2017 to till date

- Confirmed = 329
- Probable = 2785
- Suspected = 6030

Total Case reported in 2020 = 180

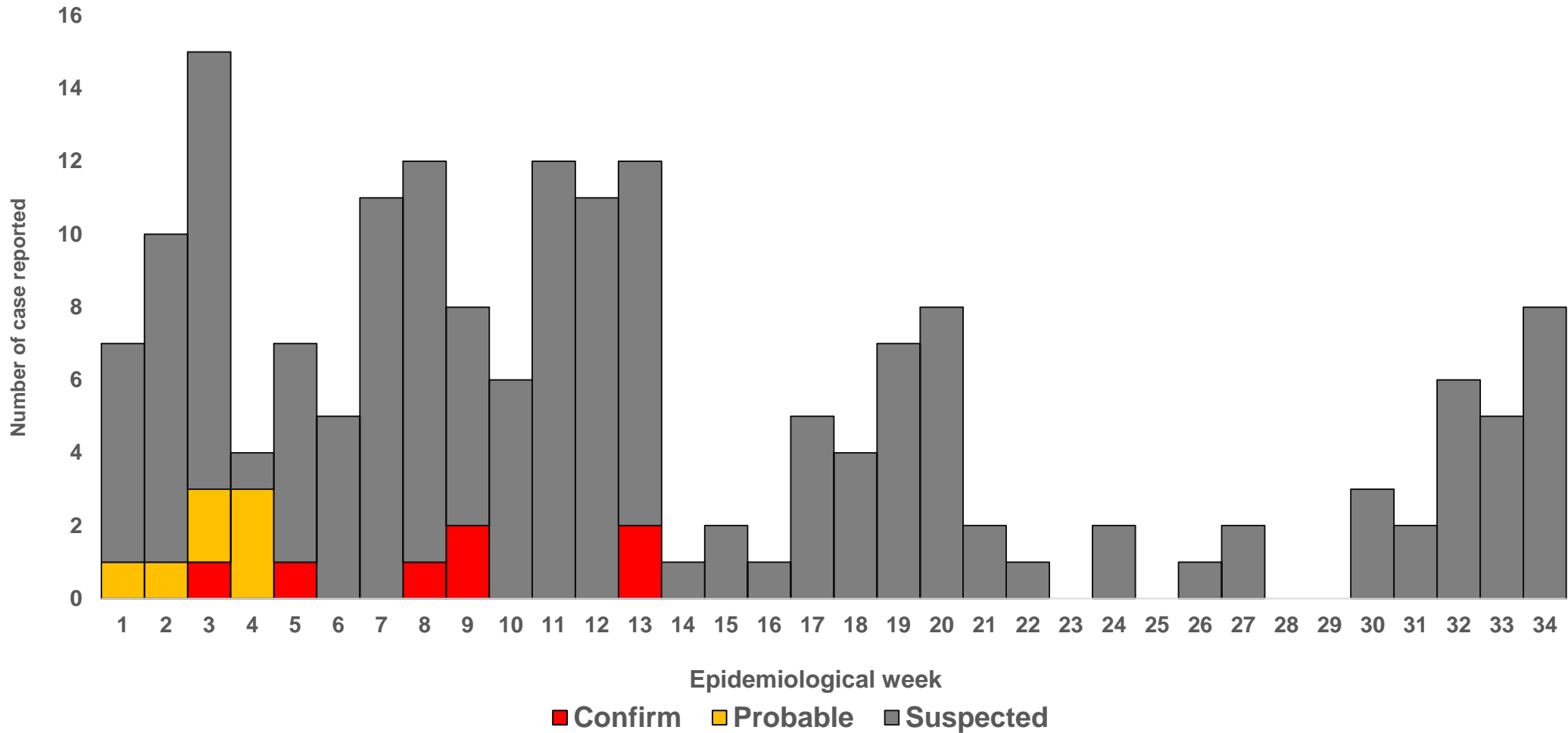
- Confirmed = 7
- Probable = 7
- Suspected = 166

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

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

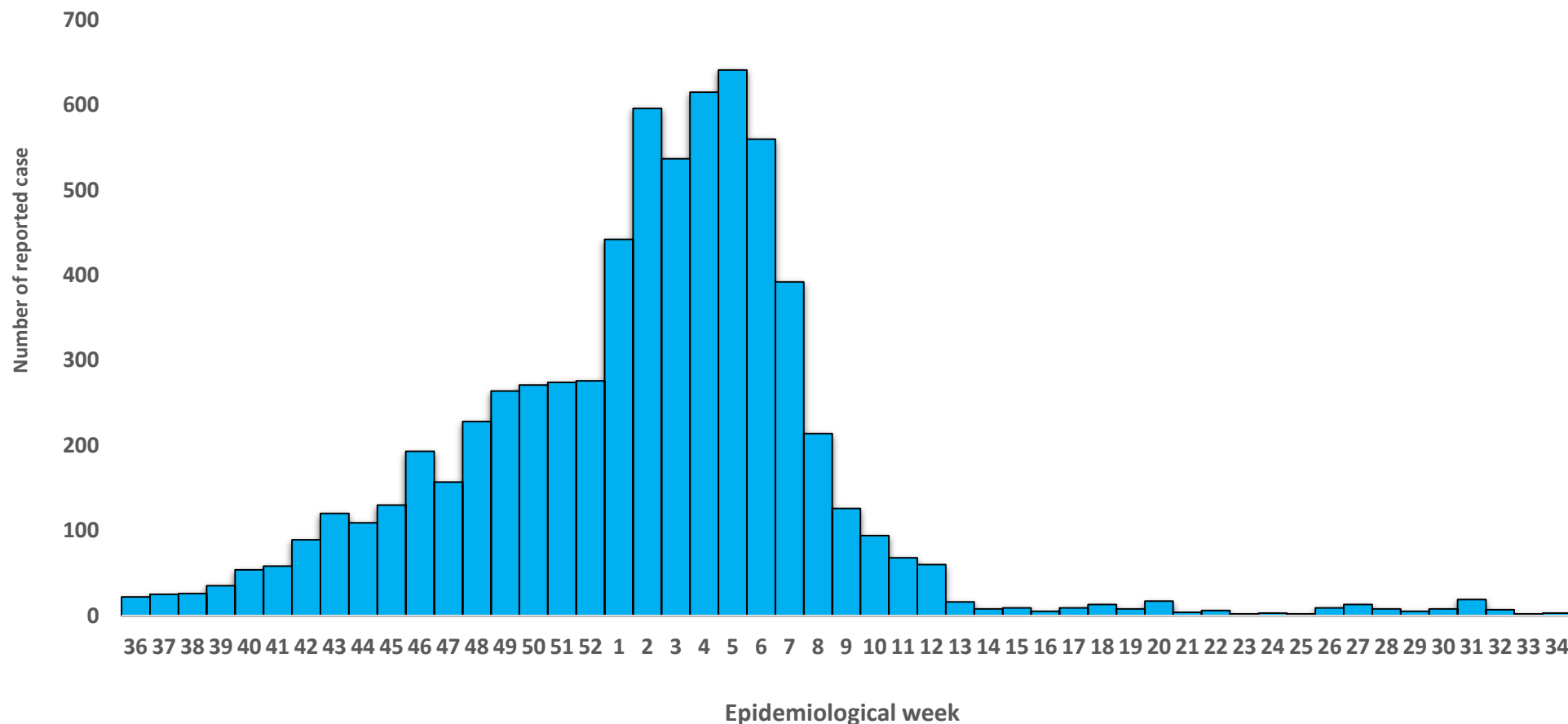
Diphtheria

Total number of diphtheria case reported in EWARS from week 1-34, 2020



Measles

Total number of Measles case reported in EWARS from week 36, 2019 to week 34, 2020



Total 3 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 34. Aggregated weekly report: 4,456 and individual case report (CRF): 2,474 (56%) in 2020.

Diarrhoeal Disease

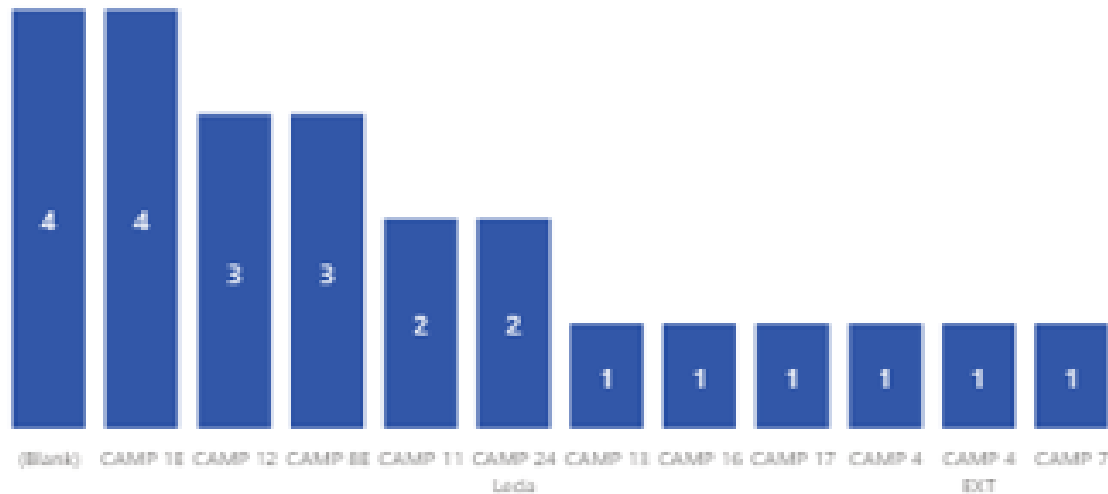
- A total 3 578 cases of diarrhoeal diseases reported in EWARS in week 34
- Among which 2609 cases (4.2%) reported as acute watery diarrhoea (AWD), 678 (1.1%) and 291 (0.5%) cases as other diarrhea and bloody diarrhea respectively.
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

Community-based Mortality surveillance

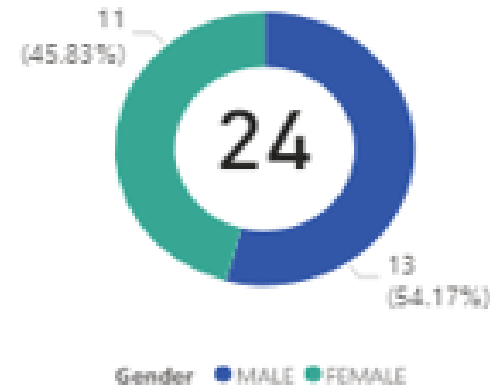
- In week 34 total of 24 deaths were recorded, 79% (n=19) were due to causes classified as “Others” , 13% (n=3) Neonatal (<28 days old) , 4% (n=1) Still birth (Born Dead) and 4% (n=) Infectious disease.
- 16.67% of deaths reported in the health facility, 75% of deaths reported in homes and 4.17% of deaths reported from Community/ Public place and 4.17% reported as Blanks
- Partners to report **all mortalities** into EWARS using the “Community-based mortality surveillance” form.

Community-based Mortality Surveillance

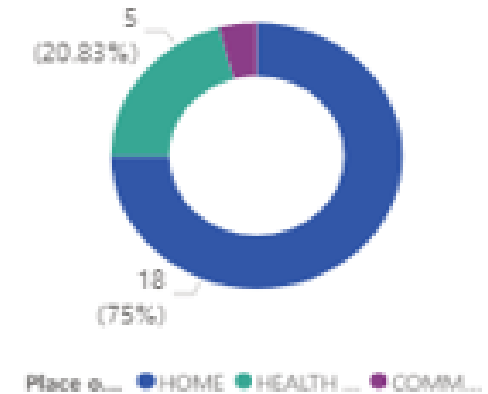
Distribution of Camp/Zone by EPI Week 33



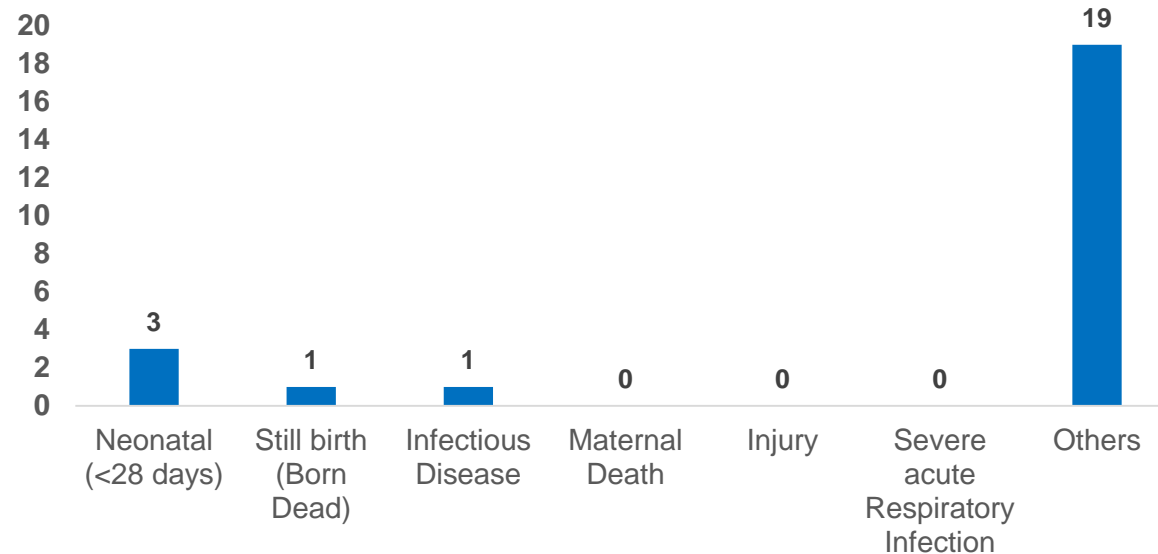
Gender Distribution of deceased case by EW 33



Distribution of Deceased Place of death by EW 33



Probable Cause of Death (n=24)



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W34 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
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Printed: 10:14 Tuesday, 25 August 2020 UTC

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 W34 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

W34	Cumulative (2020)	
120	4630	Number of weekly reports received
80%	87%	Completeness
80%	79%	Timeliness

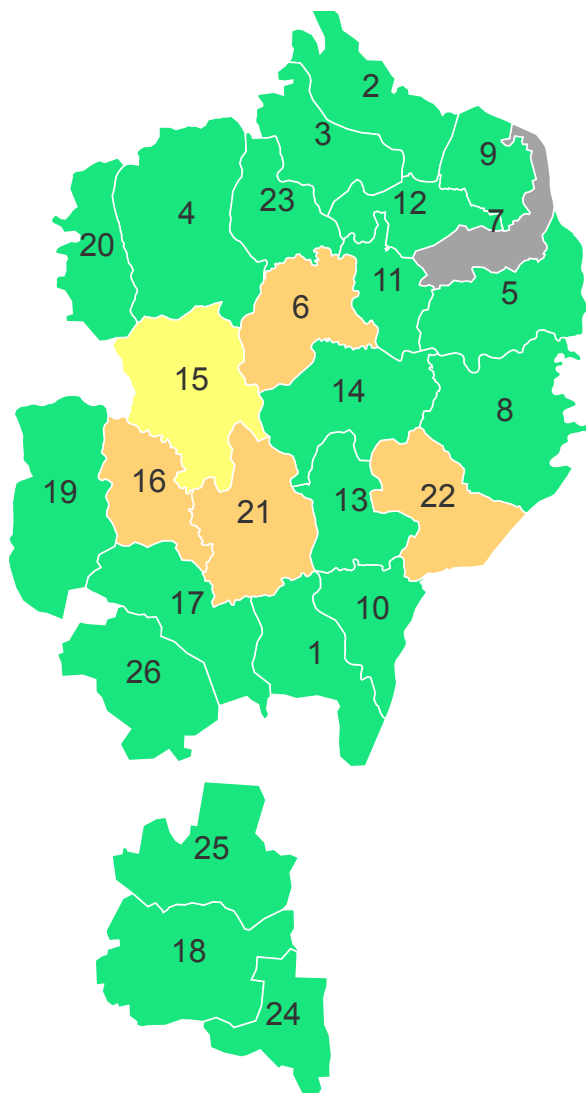
Table 3 Alert performance indicators

W34	Cumulative (2020)	
52	2,115	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.

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

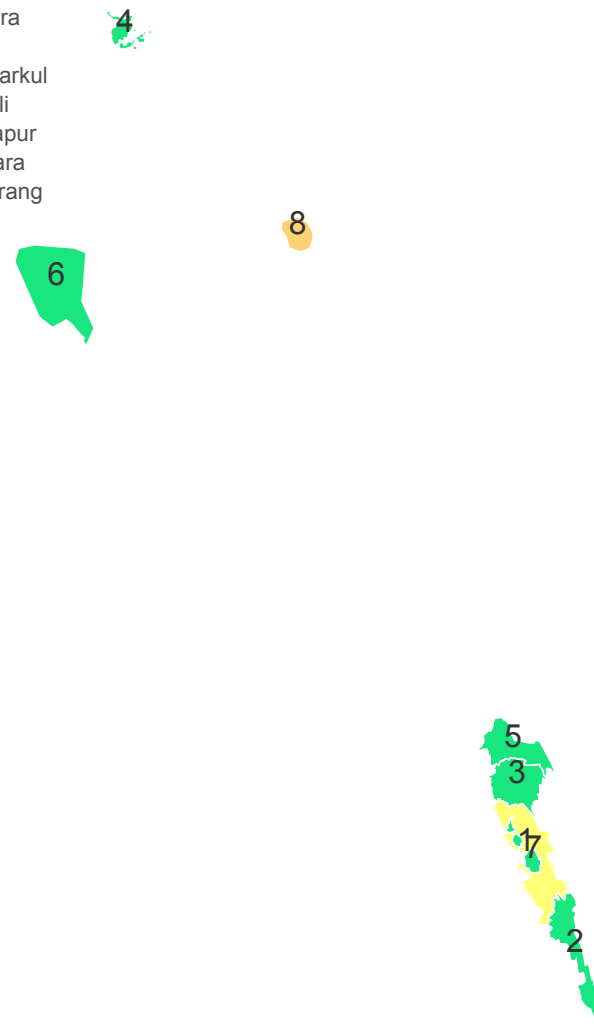


Completeness



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



Table 4 | Performance by camp (W34 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	4	3	75%	75%
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	3	60%	60%
Camp 6	2	2	100%	100%
Camp 7	6	5	83%	83%
Camp 8E	7	6	86%	86%
Camp 8W	6	5	83%	83%
Kutupalong RC	1	2	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

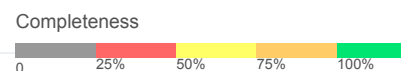
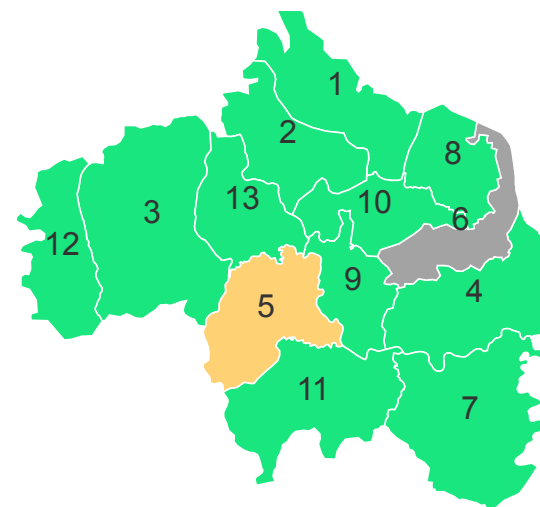


Table 5 | Performance by camp (W34 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	3	75%	75%
Camp 11	9	7	78%	78%
Camp 12	6	6	100%	100%
Camp 13	9	8	89%	89%
Camp 14	6	5	83%	83%
Camp 15	10	7	78%	78%
Camp 16	5	4	80%	80%
Camp 17	5	2	40%	40%
Camp 18	5	3	60%	60%
Camp 19	5	4	80%	80%
Camp 20	3	2	67%	67%
Camp 20 Ext	1	1	100%	100%
Camp 9	7	4	67%	67%

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

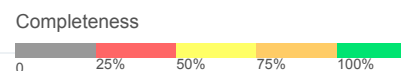
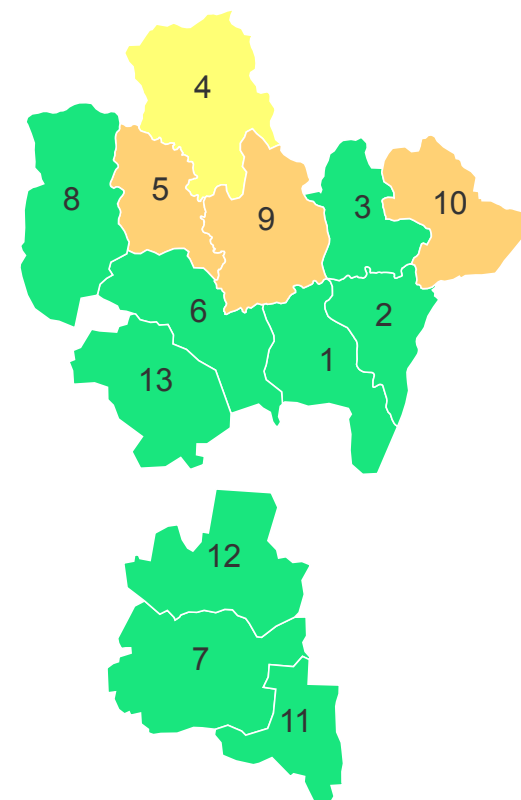
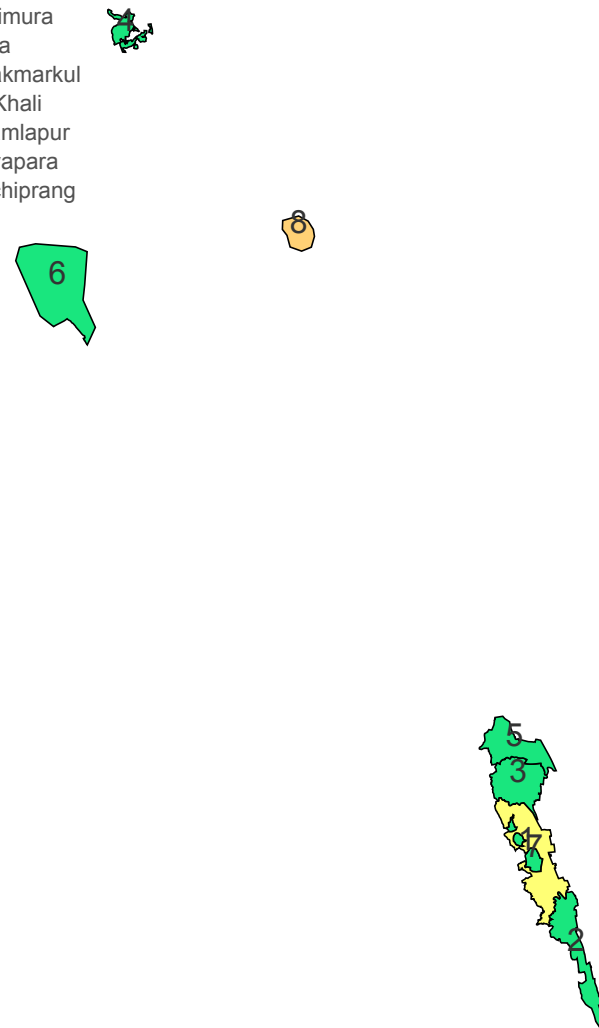


Table 6 | Performance by camp (W34 2020)

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	1	33%	33%
Camp 27 Jadimura	1	1	100%	100%
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 25 Ali Khali
- 6 Camp 23 Shamlapur
- 7 Camp 26 Nayapara
- 8 Camp 22 Unchiprang



Completeness



Table 7 | Performance by partner (W34 2020)

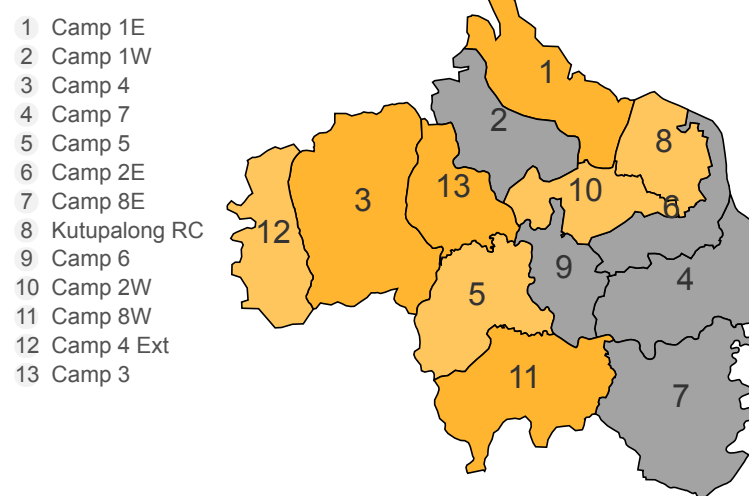
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	8	6	75%	75%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	12	100%	100%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	21	15	71%	71%
IRC	2	2	100%	100%
MSF	9	6	67%	67%
MoH	1	1	100%	100%
Hope	1	1	100%	100%
Medair	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	4	44%	44%
SCI	9	8	89%	89%
TdH	1	0	0%	0%

Table 8 | Performance by camp

Northern group	W34		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	3	100%	52	100%
Camp 1W	0	0%	36	100%
Camp 2E	0	0%	50	100%
Camp 2W	1	100%	47	100%
Camp 3	3	100%	161	100%
Camp 4	3	100%	135	100%
Camp 4 Ext	2	100%	17	100%
Camp 5	2	100%	108	100%
Camp 6	0	0%	25	100%
Camp 7	0	0%	43	100%
Camp 8E	0	0%	26	100%
Camp 8W	3	100%	82	100%
Kutupalong RC	2	100%	14	100%

Map 5 | Number of alerts by camp



of alerts



Table 9 | Performance by camp

Southern group	W34		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	1	100%	68	100%
Camp 11	5	100%	89	100%
Camp 12	4	100%	112	100%
Camp 13	3	100%	140	100%
Camp 14	2	100%	68	100%
Camp 15	1	100%	99	100%
Camp 16	1	100%	90	100%
Camp 17	1	100%	59	100%
Camp 18	2	100%	63	100%
Camp 19	1	100%	74	100%
Camp 20	1	100%	46	100%
Camp 20 Ext	1	100%	14	100%
Camp 9	1	100%	93	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

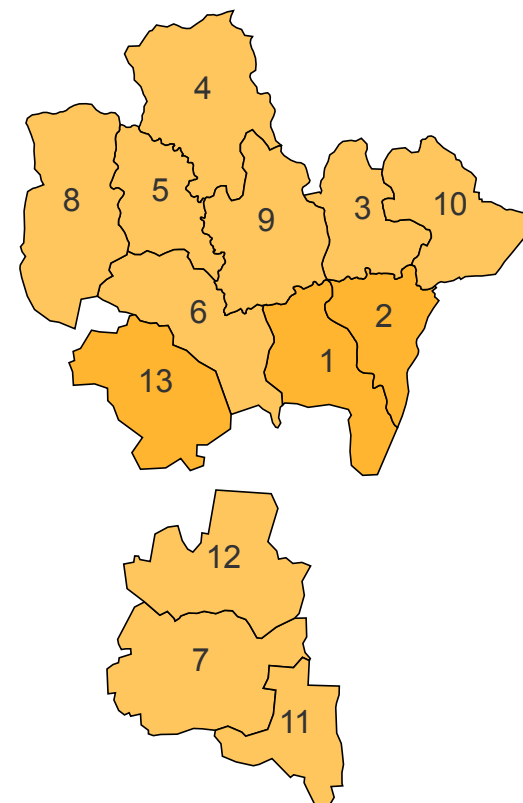
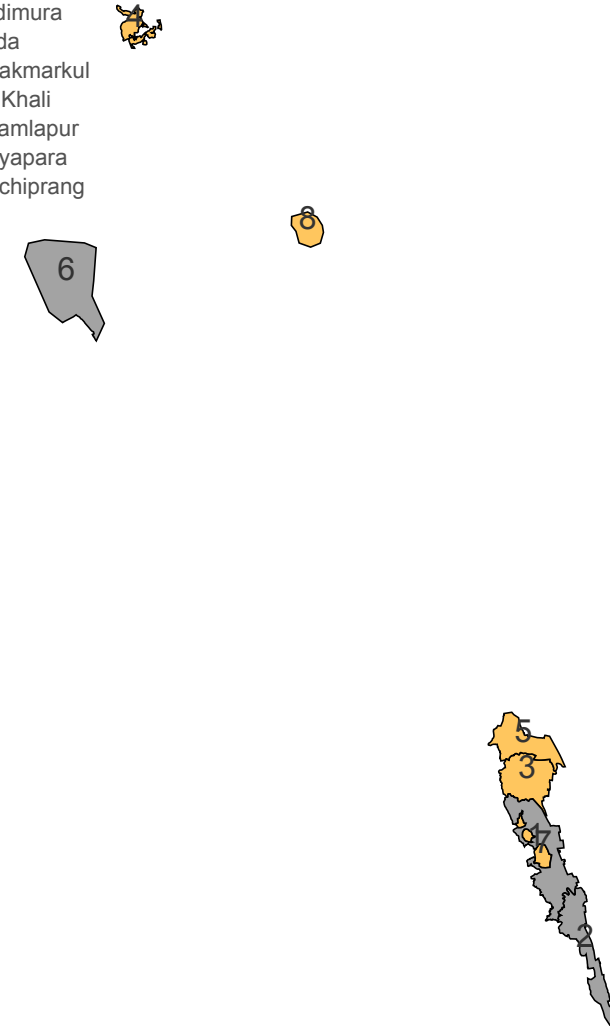


Table 10 | Performance by camp

Teknaf	W34		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	1	100%	41	100%
Camp 22 Unchiprang	1	100%	22	100%
Camp 23 Shamlapur	0	0%	41	100%
Camp 24 Leda	1	100%	18	100%
Camp 25 Ali Khali	1	100%	20	100%
Camp 26 Nayapara	0	0%	42	100%
Camp 27 Jadimura	0	0%	15	100%
Nayapara RC	1	100%	23	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 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	W34		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	2	100%	721	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	9	100%
Meningitis	1	100%	12	100%
Haem. fever (susp.)	0	0%	8	100%
NNT	0	0%	1	100%
Unexp. fever	5	100%	160	100%
AWD	9	100%	212	100%
ARI	14	100%	212	100%
AJS	4	100%	90	100%
Varicella (Susp.)	0	0%	12	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	0	0%	159	100%

Table 12 | Risk assessment

W34	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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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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Global
EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W34 2020



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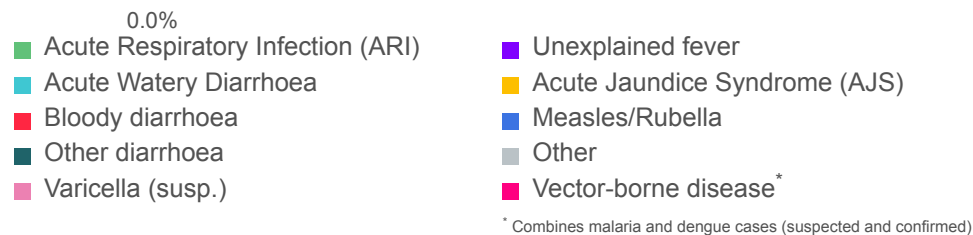
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Proportional morbidity

Figure 1 | Proportional morbidity (W34 2020)



Disease	W34		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,609	4.2%	83,183	4.5%
Bloody diarr.	291	0.5%	10,322	0.6%
Other diarr.	678	1.1%	29,514	1.6%
Susp. Varicella	18	0.0%	1,588	0.1%
ARI	13,958	22.5%	376,531	20.5%
Measles/Rub.	3	0.0%	4,456	0.2%
AFP	0	0.0%	7	0.0%
Susp. menin.	6	0.0%	45	0.0%
AJS	26	0.0%	715	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.)	0	0.0%	3,505	0.2%
Dengue (conf.)	0	0.0%	1	0.0%
Dengue (susp.)	0	0.0%	4	0.0%
Unexpl. fever	940	1.5%	36,203	2.0%
Sev. Malnut.	21	0.0%	746	0.0%
Inj./Wounds	1,370	2.2%	50,568	2.8%
Other	42,214	67.9%	1,235,142	67.4%
Total	61,207	100%	1,833,181	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W34)

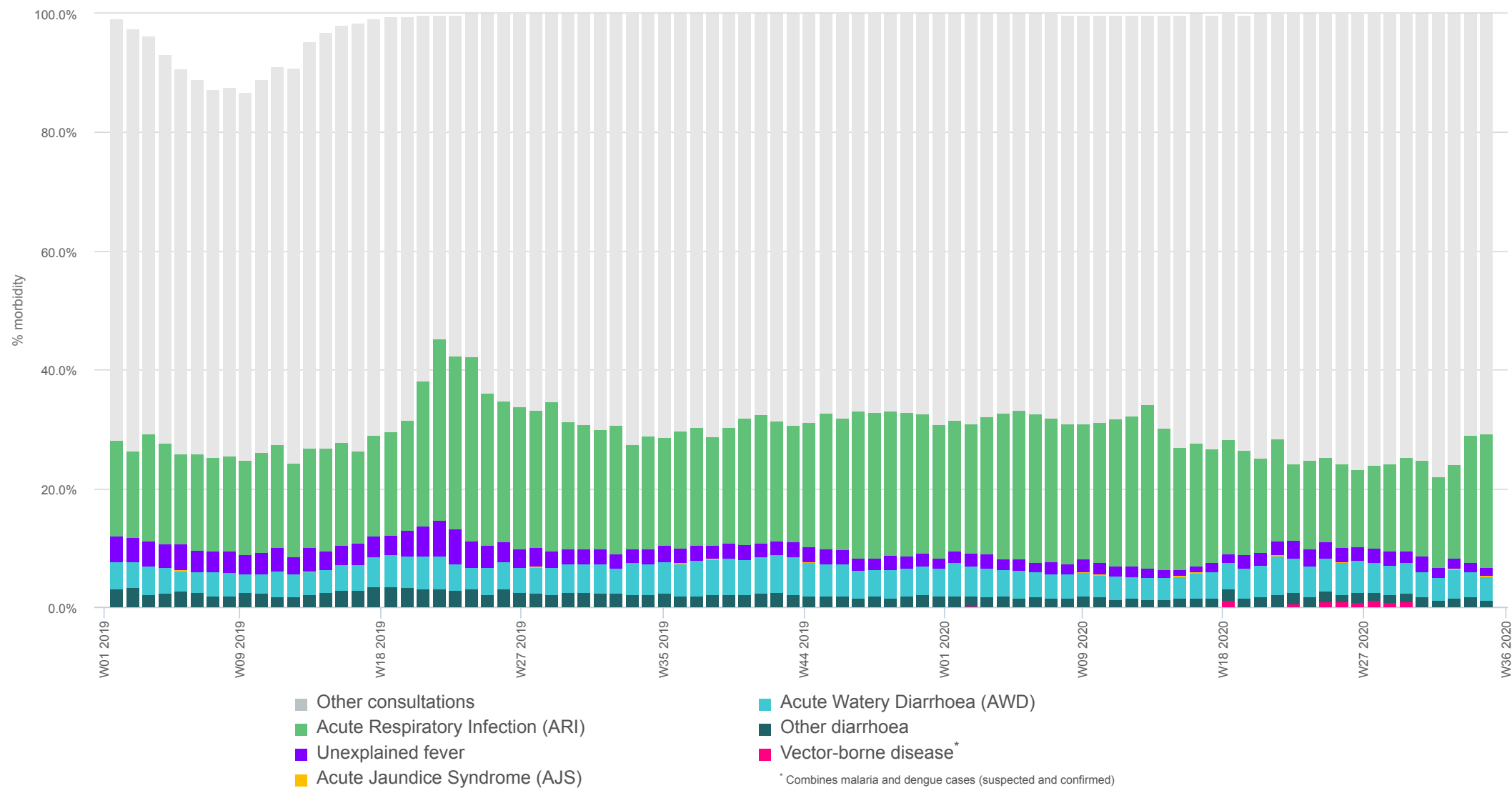
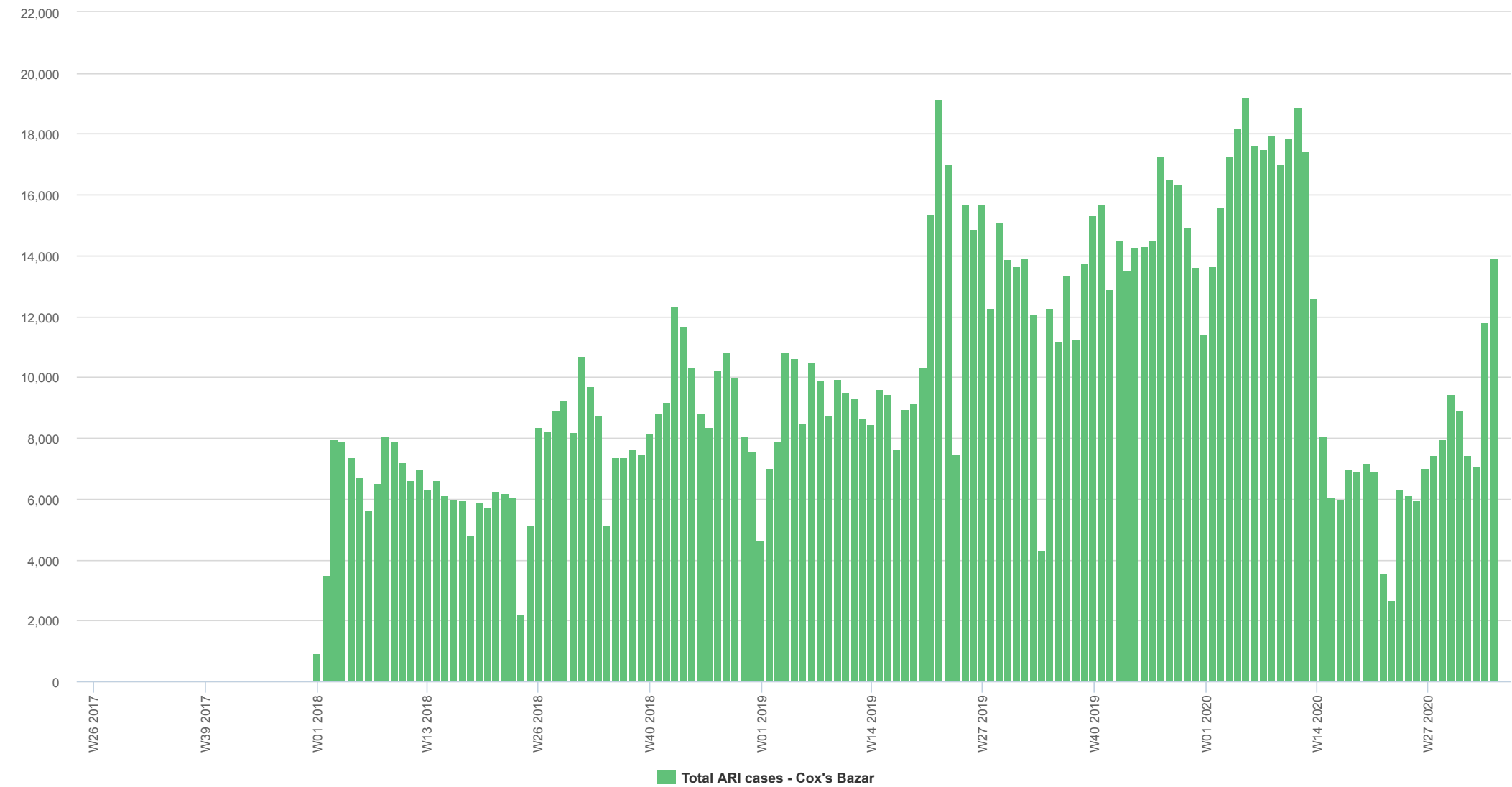
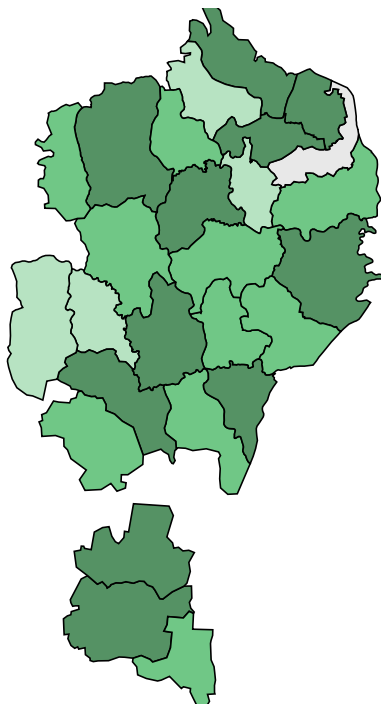


Figure 3 | Trend in number of cases over time (W38 2017 - W34 2020)

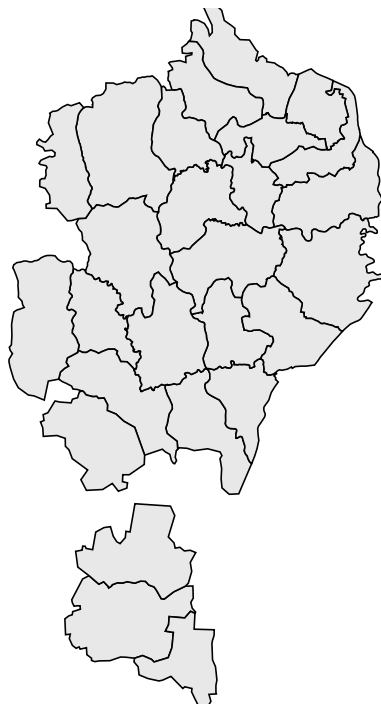


Map 1 | Map of cases by camp (W34 2020)

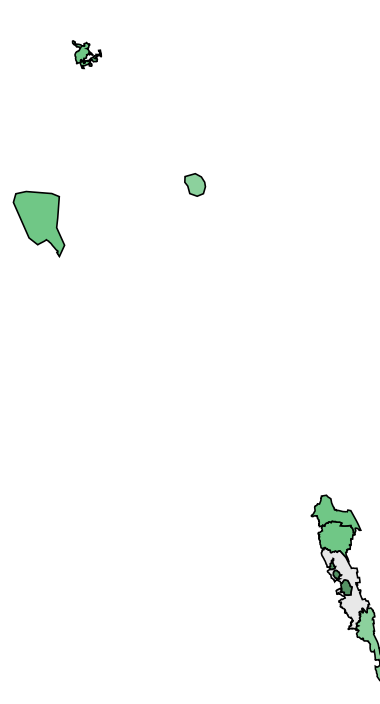
a. Ukhia | Number of cases



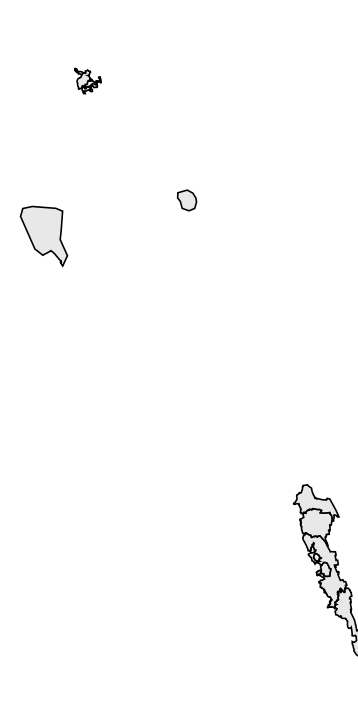
b. Ukhia | Number of alerts



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 (W34 2020)

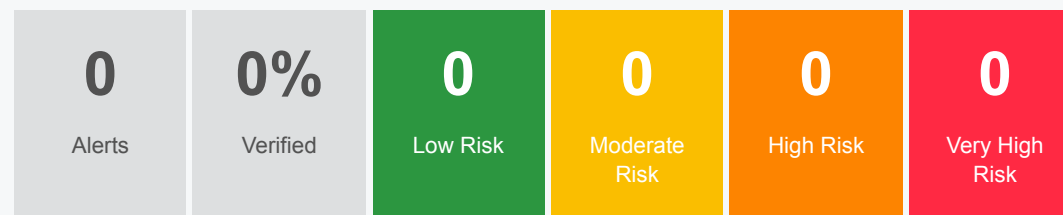


Figure | % sex

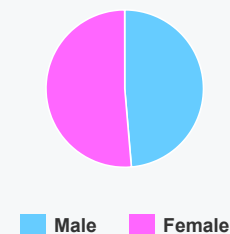


Figure | % age

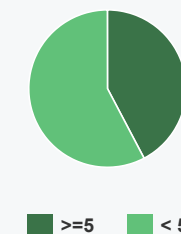
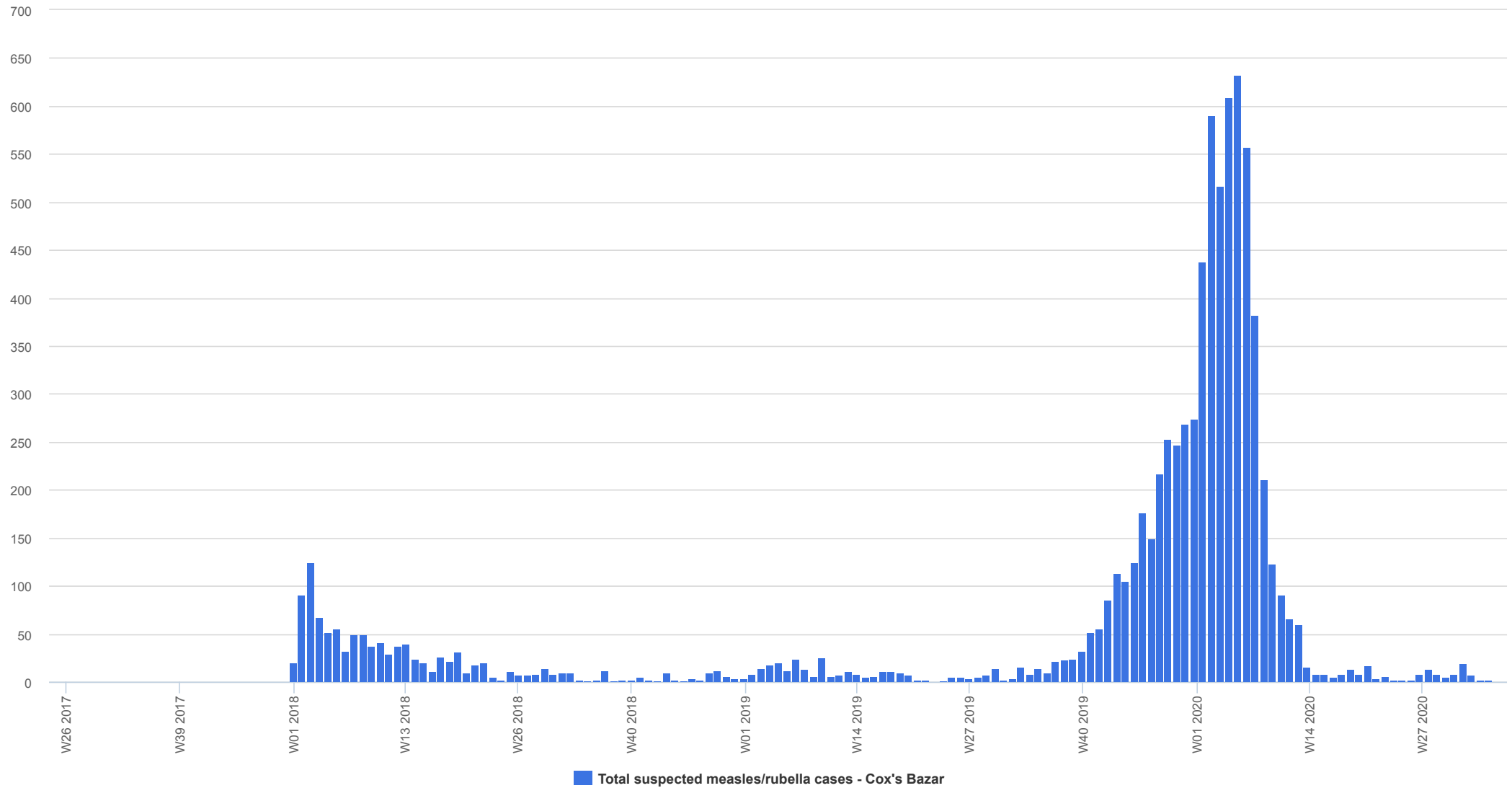
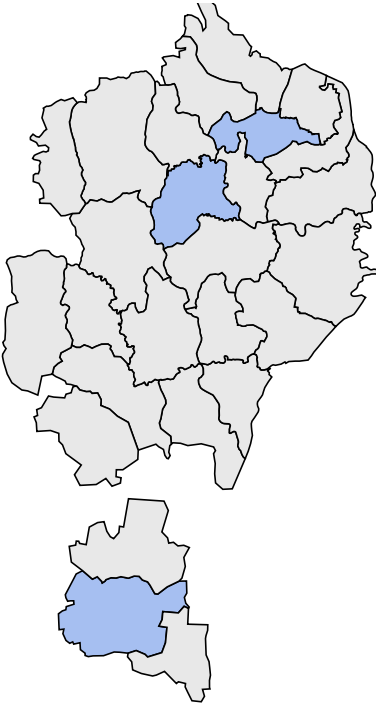


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W34 2020)



Map 2 | Map of cases by camp (W34 2020)

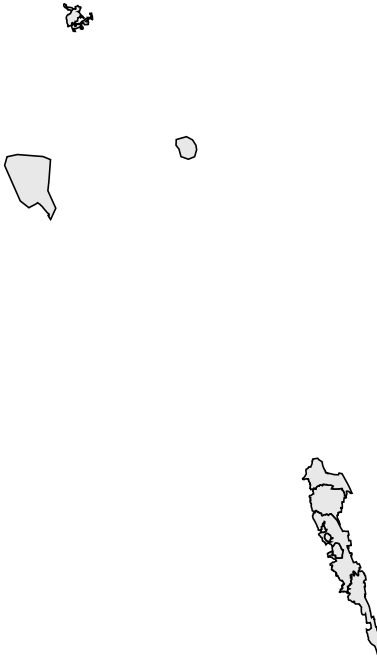
a. Ukhia | Number of cases



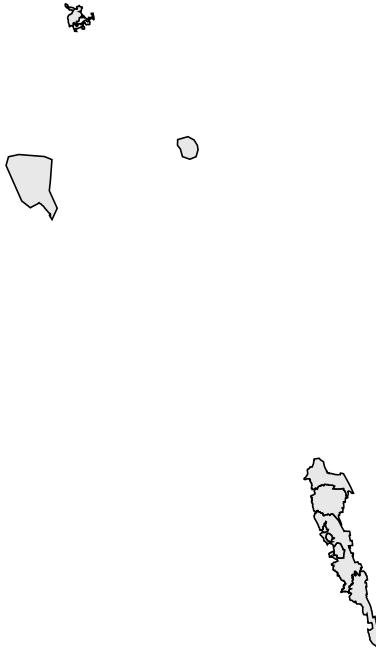
b. Ukhia | Number of alerts



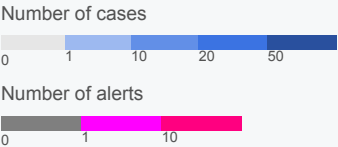
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W34 2020)

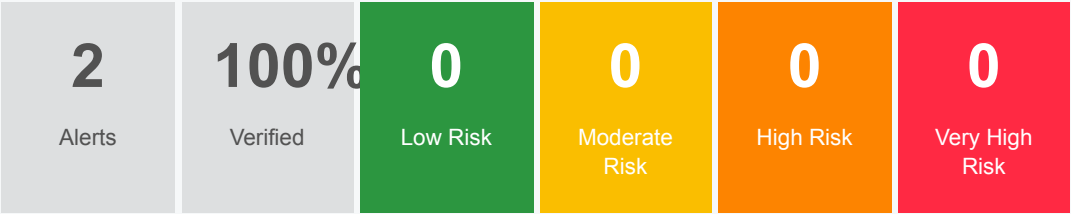


Figure | % sex

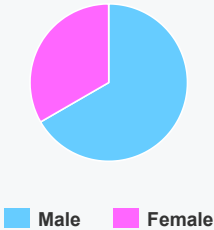


Figure | % age

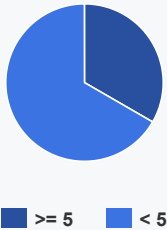
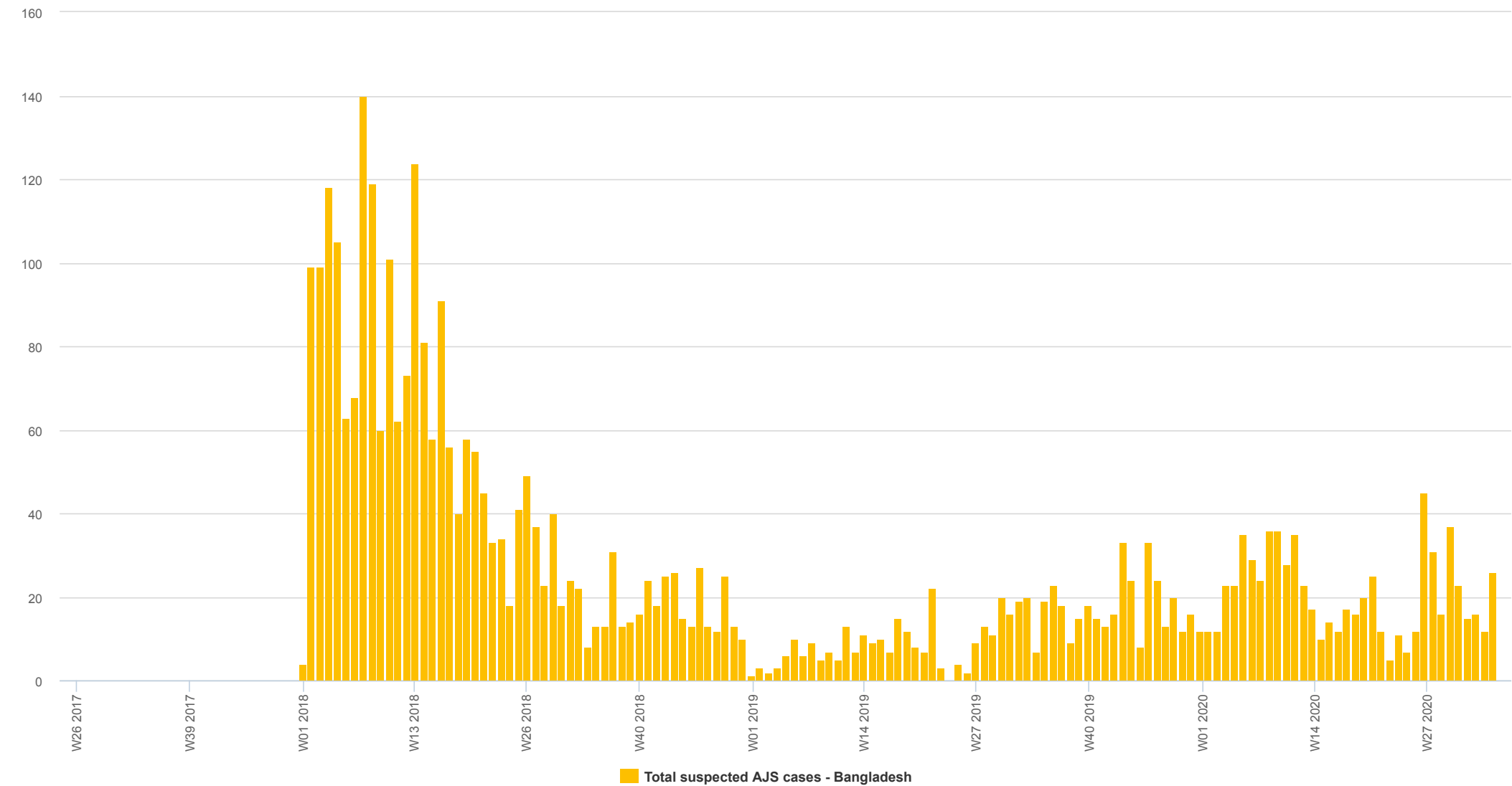


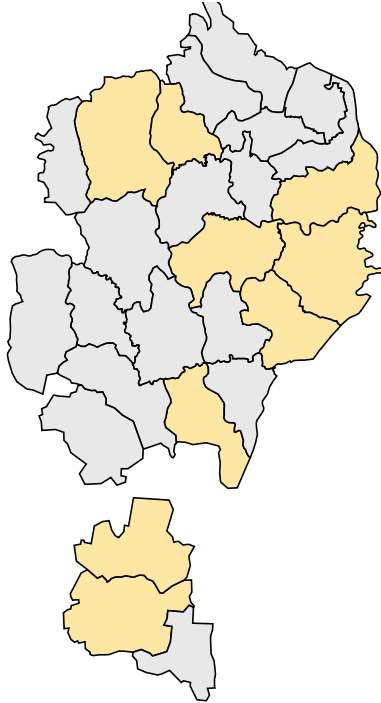
Figure 5 | Trend in number of cases over time (W38 2017 - W34 2020)



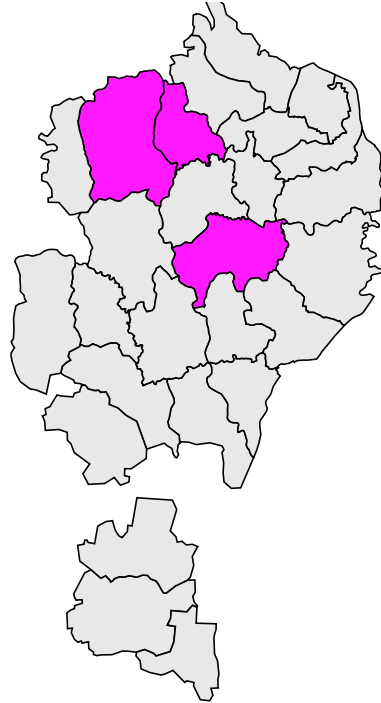
Total suspected AJS cases - Bangladesh

Map 3 | Map of cases by camp (W37 2017 - W34 2020)

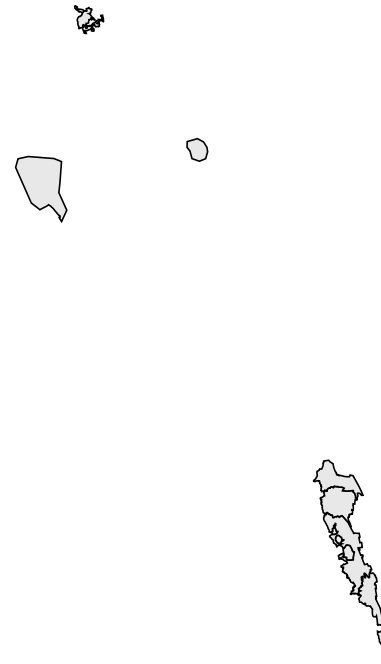
a. Ukhia | Number of cases



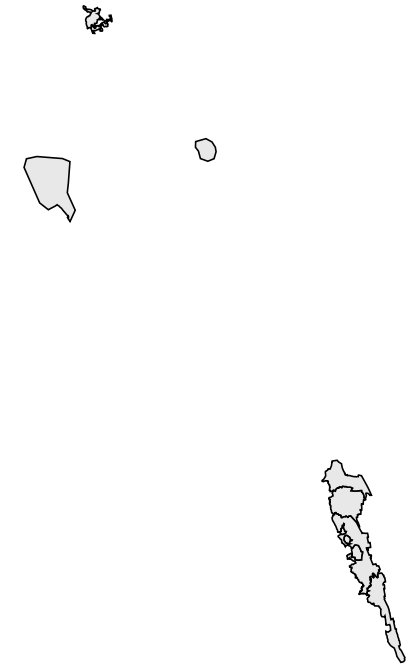
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

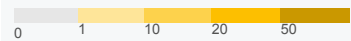


d. Teknaf | Number of alerts

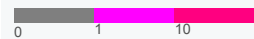


Map legend

Number of cases



Number of alerts



Alert threshold

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

Alert management (W34 2020)

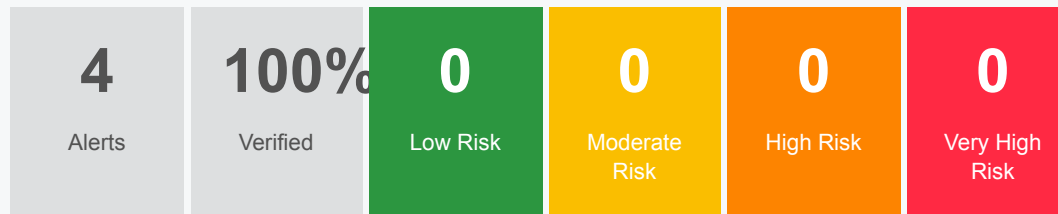


Figure | % sex

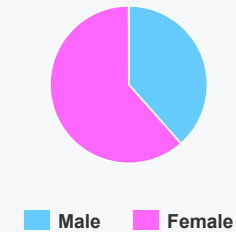


Figure | % age

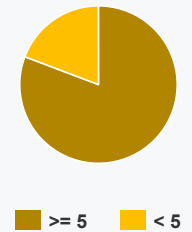


Figure 6 | Trend in number of cases over time (W38 2017 - W34 2020)

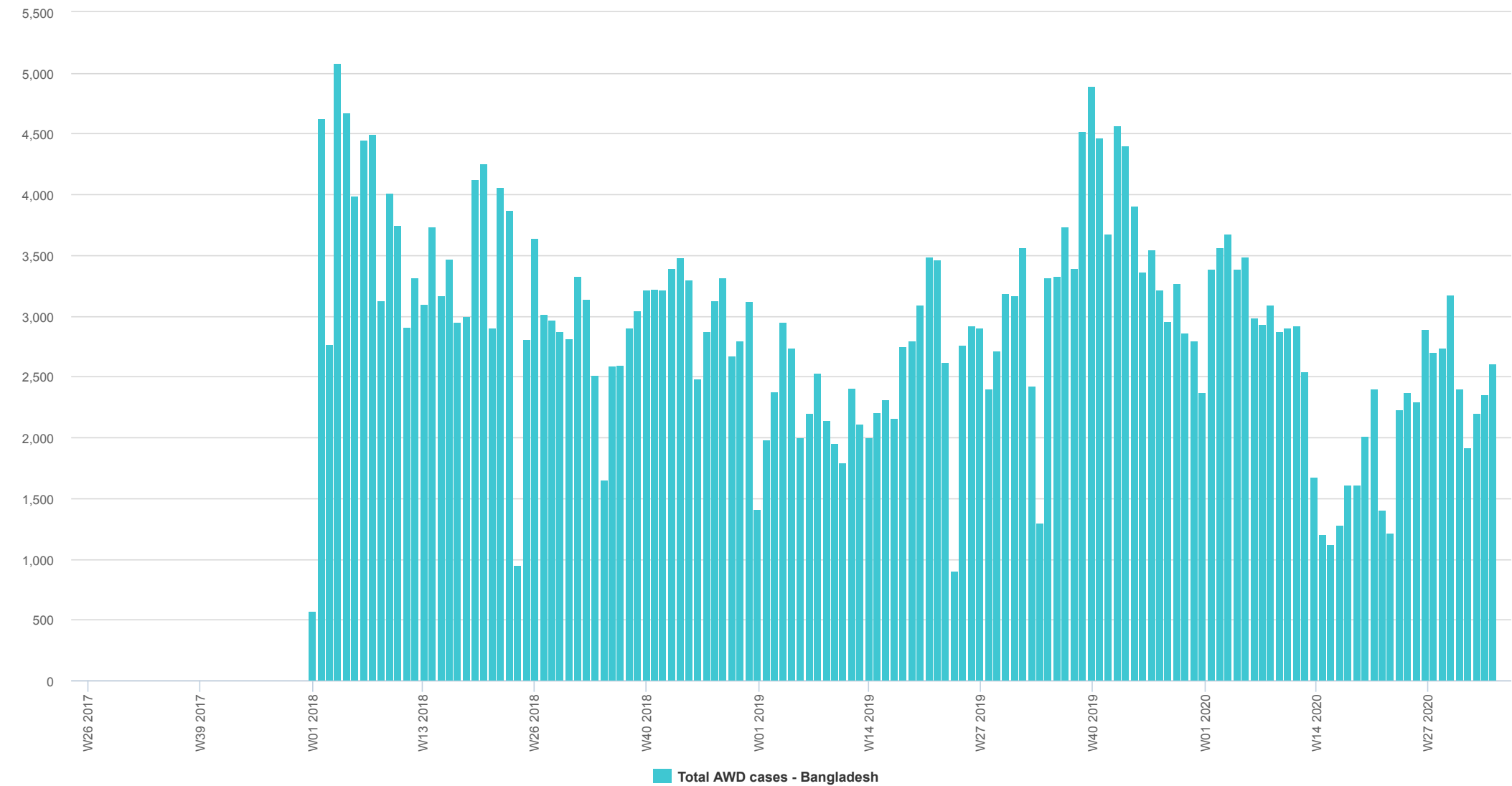
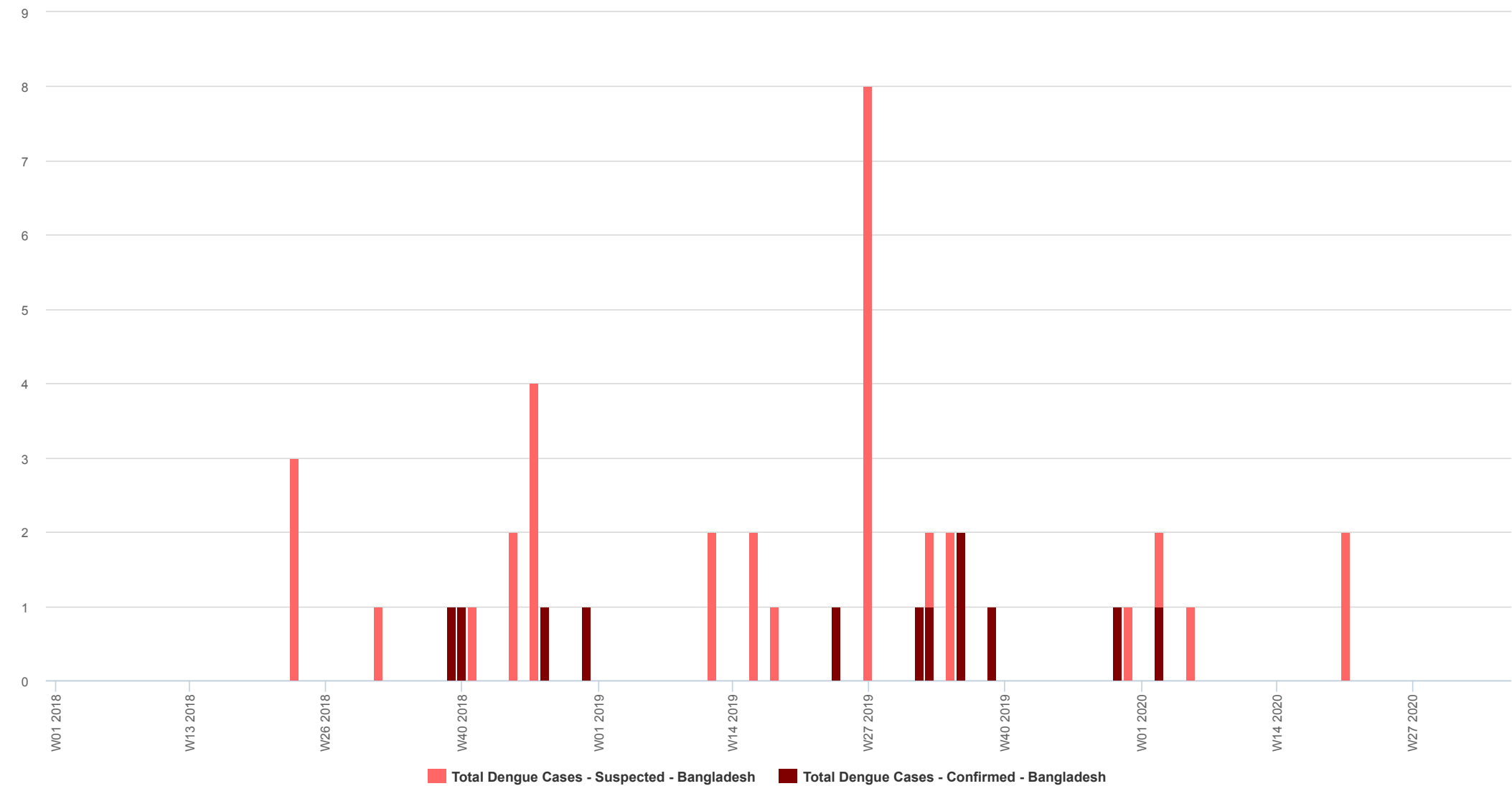


Figure 7 | Trend in number of cases over time (W38 2017 - W34 2020)



Map 4 | Map of cases by camp (W37 2017 - W34 2020)

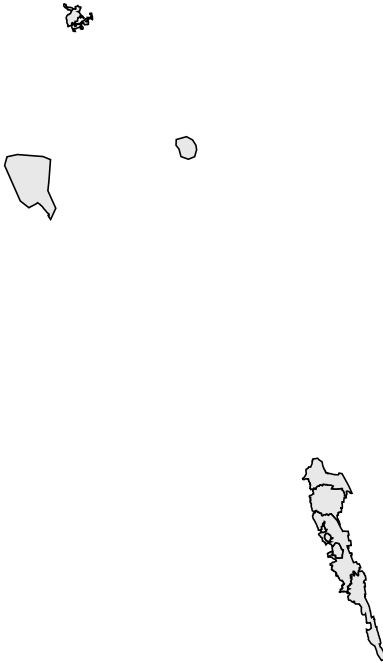
a. Ukhia | Number of cases



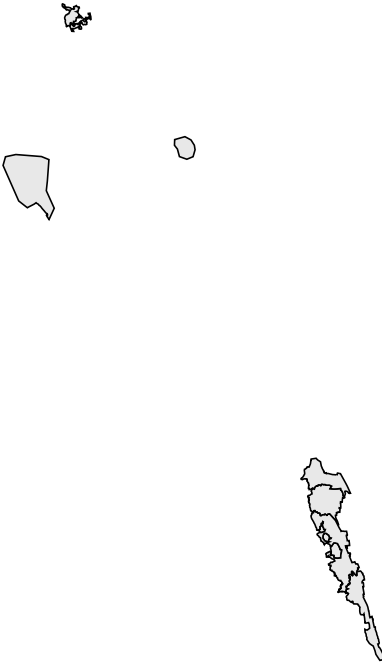
b. Ukhia | Number of alerts



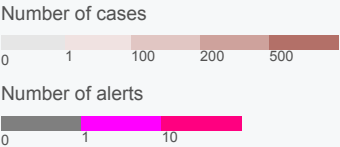
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W34 2020)

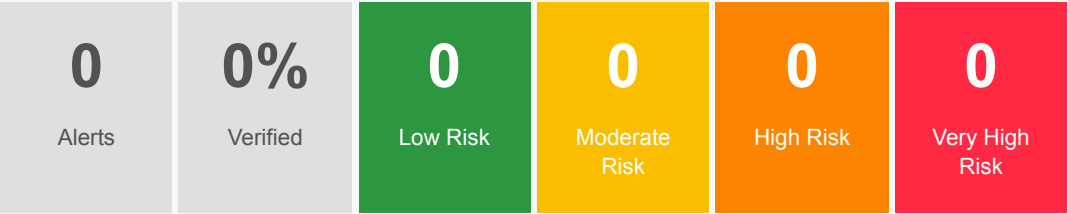


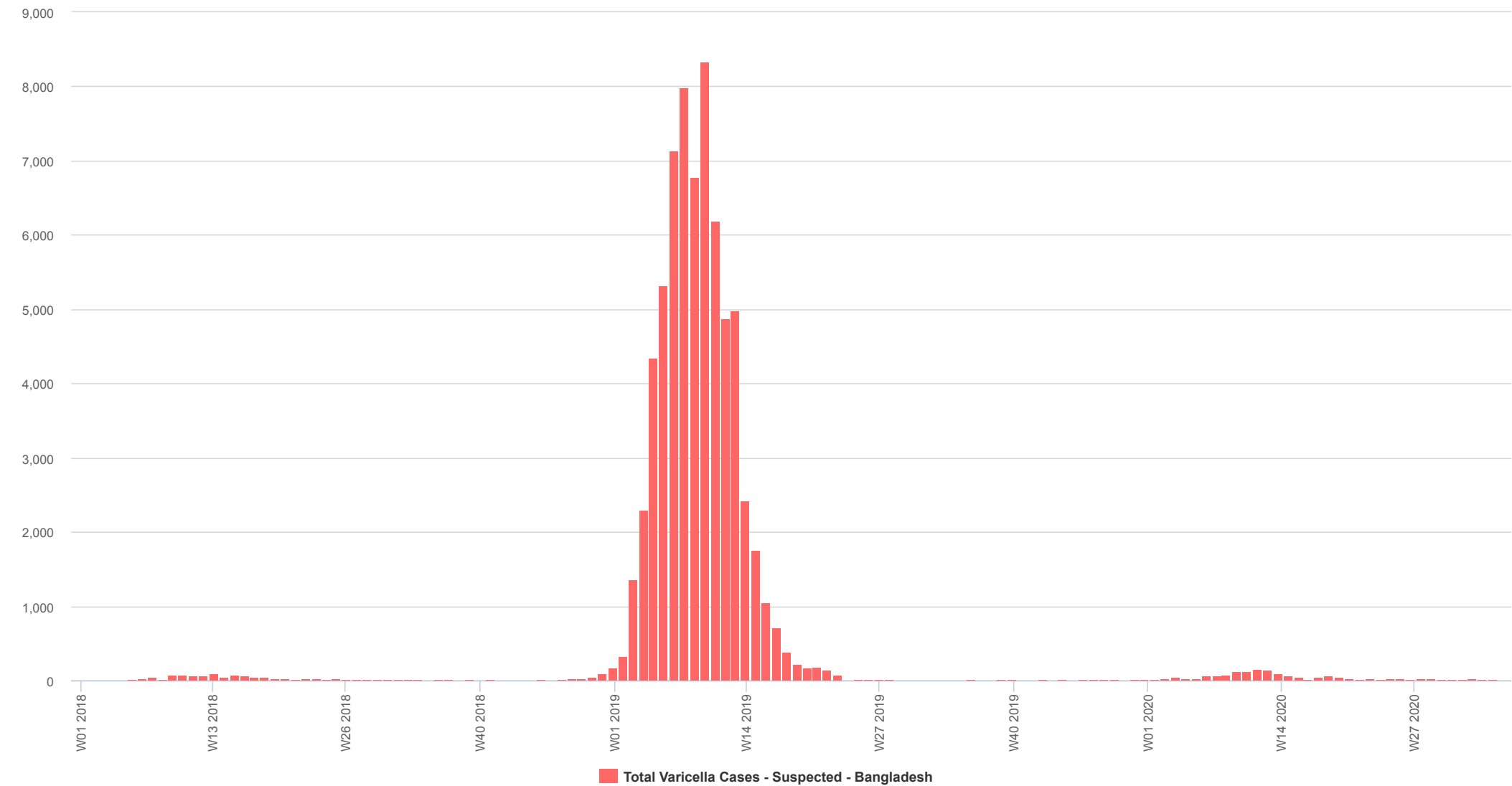
Figure | % sex



Figure | % age

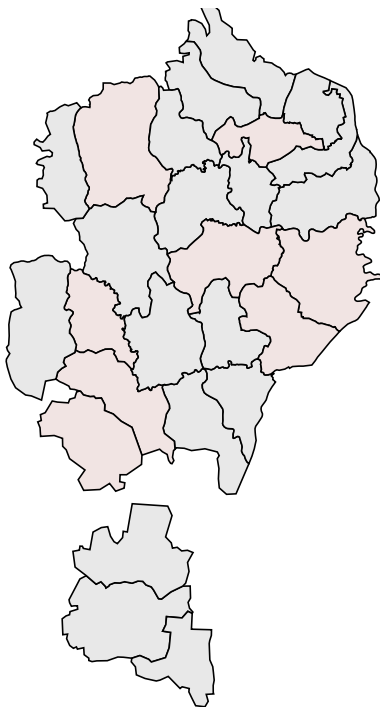


Figure 7 | Trend in number of cases over time (W38 2017 - W34 2020)

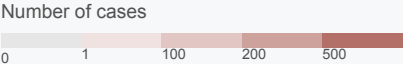


Map 4 | Map of cases by camp (W37 2017 - W34 2020)

a. Ukhia | Number of cases



Map legend



c. Teknaf | Number of cases

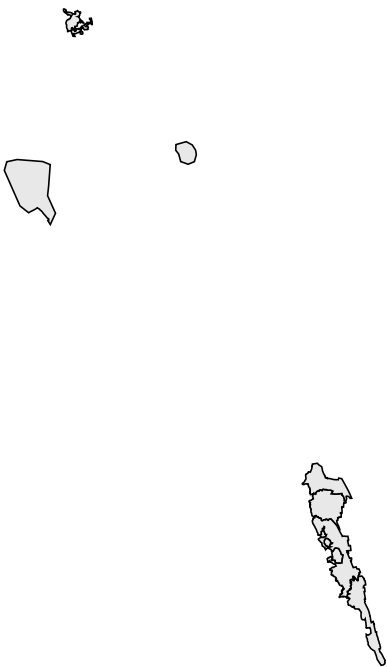


Figure | % sex

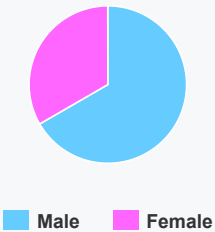
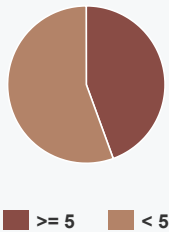


Figure | % age



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Notes

WHO and the Ministry of Health and Family Welfare gratefully acknowledge all partners who have reported the data used in this bulletin.

The data been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at <http://ewars-project.org>

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