



Epidemiological Highlights

Week 1 (30 Dec, 2019-05 Jan 2020)



World Health
Organization

Highlights:

- Number of Measles cases are being sustained high since last September 2019
- Proposed date of Measles Outbreak Response Immunization will be January 12 to February 12, 2020 and target age group is 6 month to < 10 year in the camp population
- Proposed date of 2nd dose OCV will be 19 January -8 February, 2020 in Host Community and 15-20 February, 2020 in Rohingya Camps
- Acute respiratory infection (ARI), diarrheal diseases & unexplained fever are the diseases with highest proportional morbidity in last week. These syndromic conditions remained relatively the same within this week

EWARS Reporting Updates

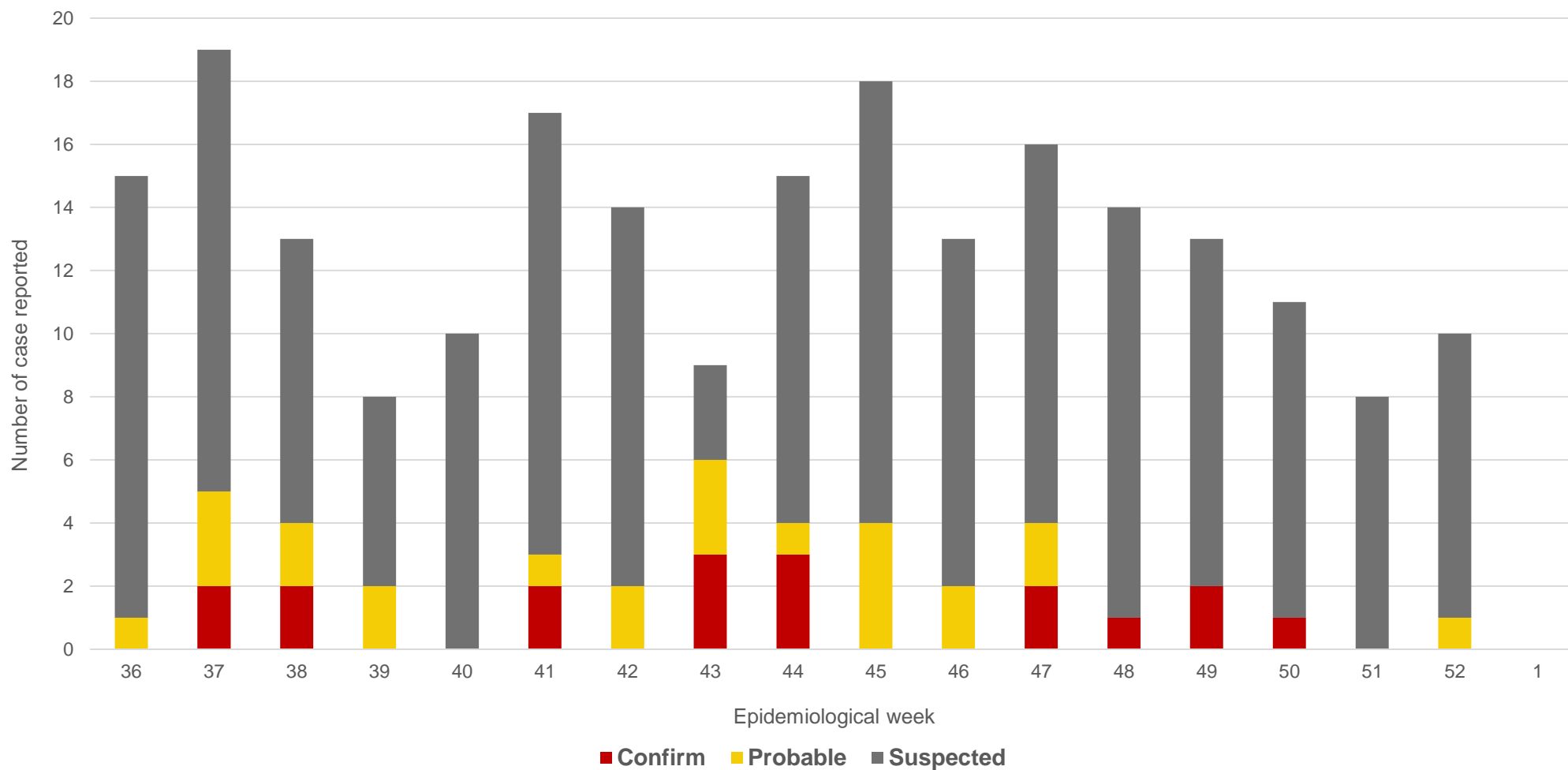
- Total 167/187 (89%) health facilities registered in EWARS
- Only 87/ 167 weekly reports received last week
- Completeness and Timeliness for this week is 50%(due to EWARS was being upgrade during this period)
- Total 45 alerts were triggered this week which more than in previous week (42 reported last week).
- All alerts were reviewed and verified by EWARS team.

Diphtheria

- No diphtheria case were reported from EWARS in week 1(due to reporting delay)
- Number of diphtheria cases reported so far is 8 952. Out of which 316 were confirmed, 2 781 were probable and 5 855 were reclassified as suspected.
- In 2019 a total 602 diphtheria cases reported in EWARS. 24 were confirmed, 63 were probable and 515 were suspected.
- Last confirmed case was reported in Week 47(18 November 2019).
- From the host community, a total of 231 diphtheria cases were reported. Of which 31 were confirmed, 68 were probable and 132 were suspected.
- In 2019, total 37 diphtheria case were reported from host community. 2 were confirmed, 5 were probable and 30 were suspected. No death was reported from host community.
- A total 46 deaths were reported due to diphtheria. Last death was reported 25 October 2019 from camp

Diphtheria

Diphtheria case patient reported in EWARS from Epi week 36-01, 2020

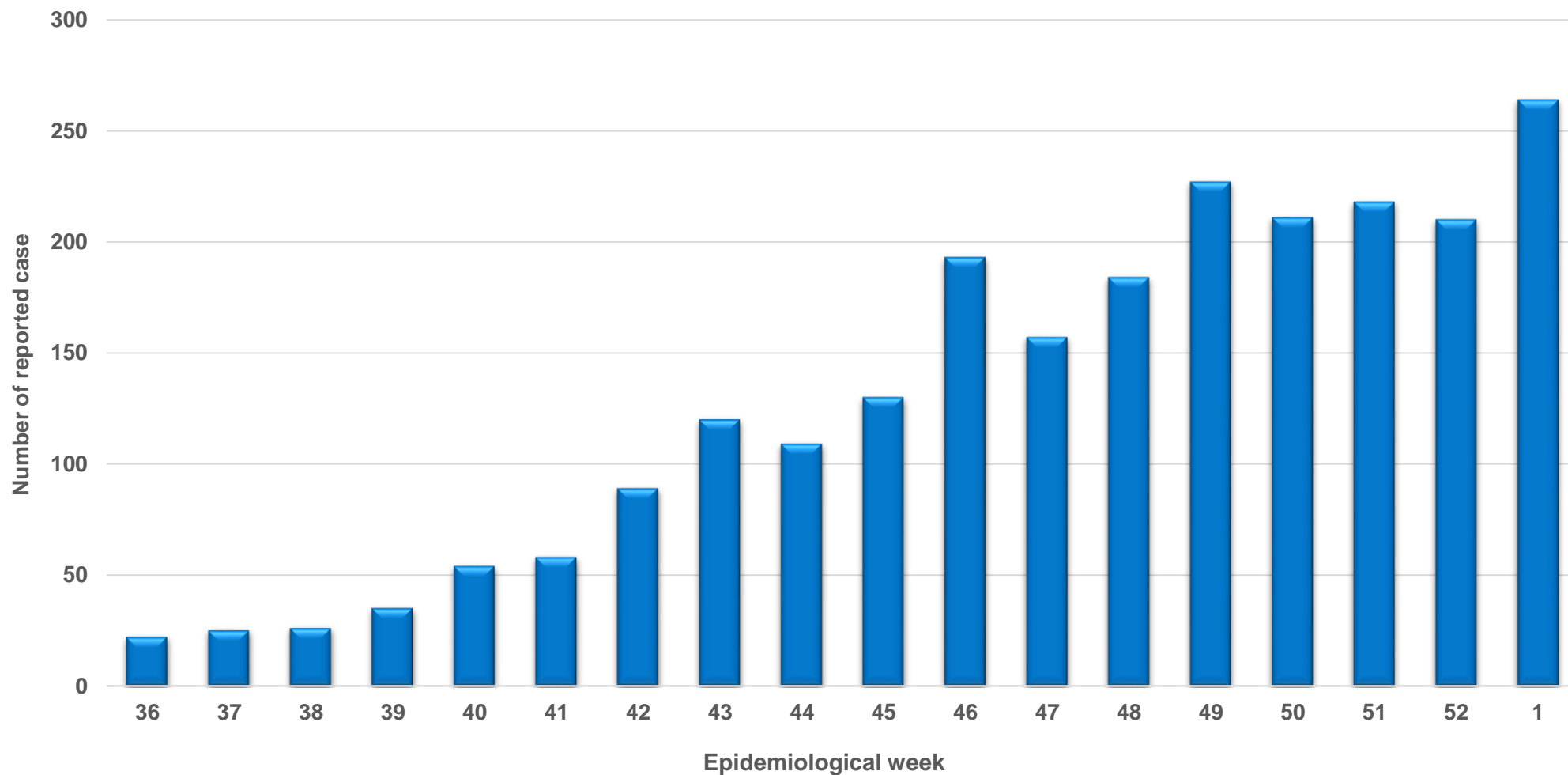


Measles

- 264 suspected measles cases were reported through weekly report form in EWARS in week 1
- Out of total 264 in 2020, 191 cases were reported via measles case report form
- WHO is supporting Ministry of Health (MoH) in routine measles surveillance in FDMN population

Measles

Total number of Measles case reported in EWARS from week 36-0-1, 2020



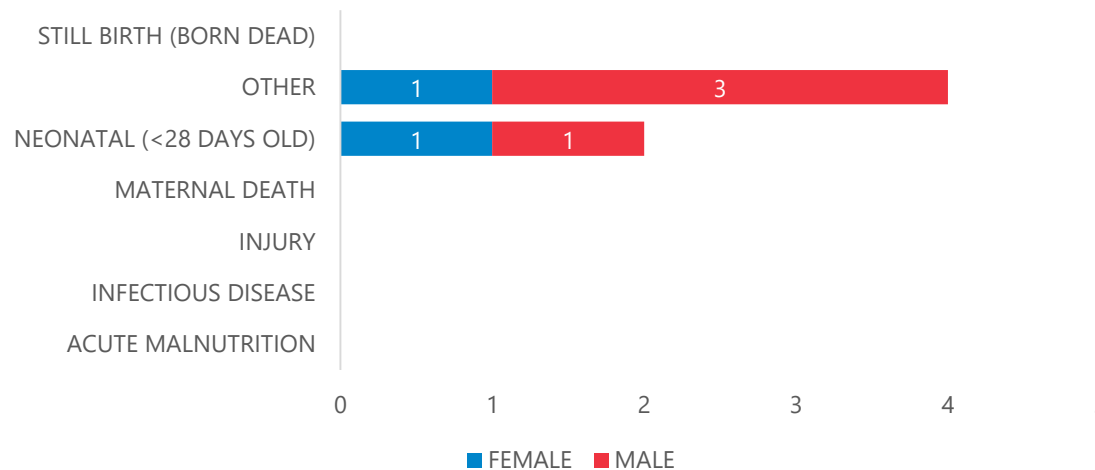
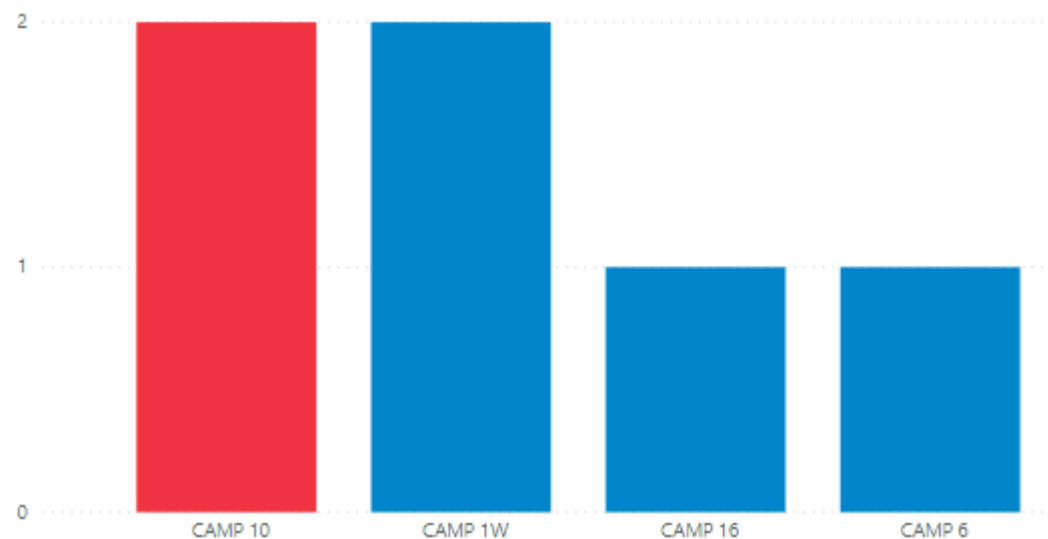
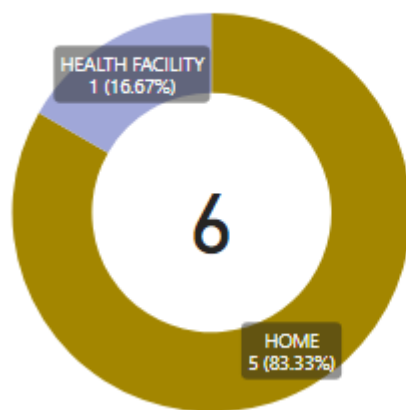
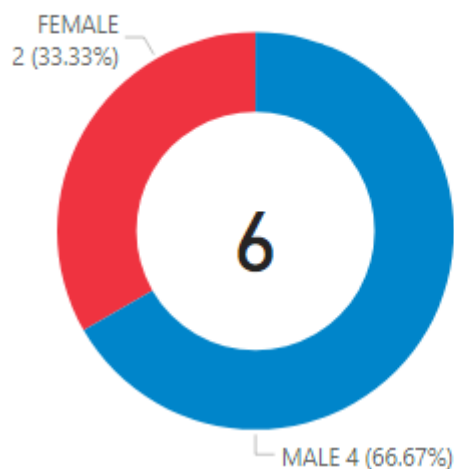
Diarrhoeal Disease

- A total 3, 112 diarrhoeal diseases cases reported in EWARS 2019.
- Among which 2, 095 cases reported with acute watery diarrhoea (AWD), 263 cases reported with bloody diarrhoea and 754 cases reported with other diarrhoea.
- Diarrhoeal diseases showing decreasing trend in last week
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

Community-based surveillance

- In week 52, a total of 6 deaths were recorded. 67% (n=4) were due to causes classified as “Others” and 33% (n=2) was a neonatal death
- No mortality alert raised for women of reproductive age (12-49 years).
- 16.67% of deaths reported are at the health facility, 83.33% of deaths are reported in their homes
- We would like to urge donor agencies to inform their partners to report **all mortalities** into EWARS using the “Community-based mortality surveillance” form.

Community-based surveillance



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W1 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



HEALTH SECTOR
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Sources of data

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

Highlights W1 2020

Table 1 | Coverage

#	%	
932,930	-	Estimated total Rohingya population ¹
919,946	99%	Total population under surveillance
187	-	Total number of health facilities
167	89%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W1	Cumulative (2020)	
87	87	Number of weekly reports received
50%	31%	Completeness
50%	31%	Timeliness

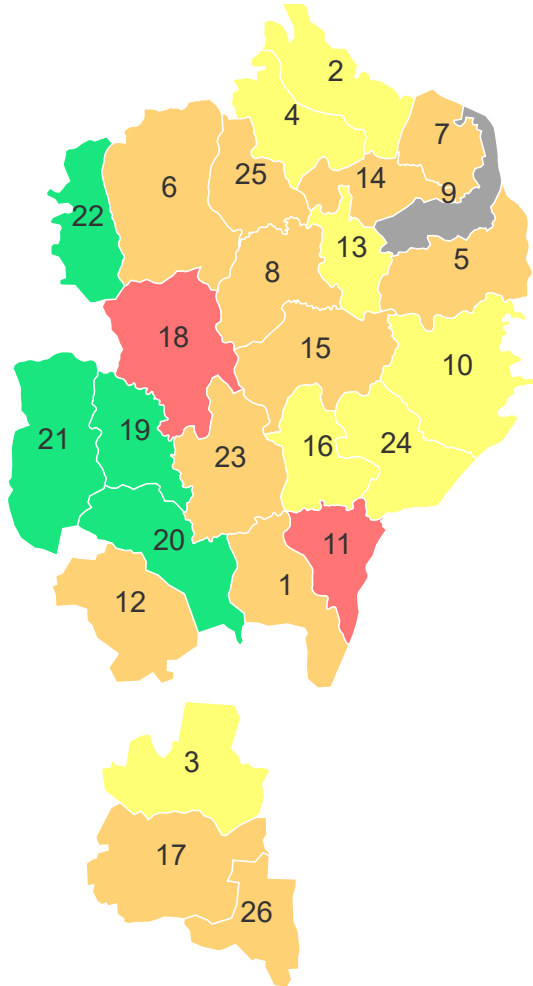
Table 3 | Alert performance indicators

W1	Cumulative (2020)	
45	45	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

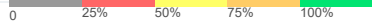
¹ Source: IOM. Bangladesh: Needs and Population Monitoring - NPM R11 Report. 14 June 2018.

Map 1a | Ukhia completeness by camp

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

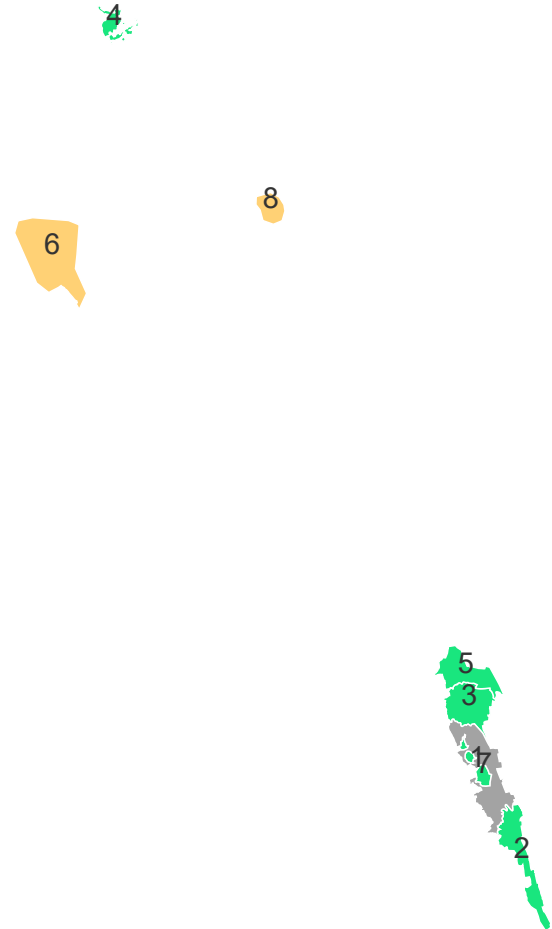


Completeness



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

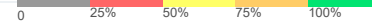
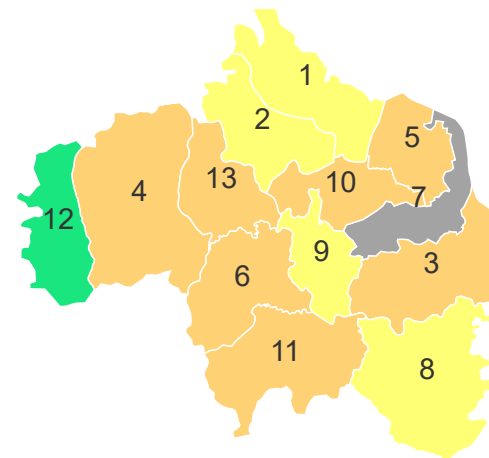


Table 4 | Performance by camp (W1 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	9	2	29%	29%
Camp 1W	5	1	33%	33%
Camp 2E	1	0	0%	0%
Camp 2W	6	2	67%	67%
Camp 3	9	4	57%	57%
Camp 4	9	5	67%	67%
Camp 4 Ext	1	1	100%	100%
Camp 5	6	3	60%	60%
Camp 6	4	1	25%	25%
Camp 7	8	3	60%	60%
Camp 8E	12	3	43%	43%
Camp 8W	11	4	57%	57%
Kutupalong RC	2	1	50%	50%

Map 2 | Completeness by camp

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



Completeness



Table 5 | Performance by camp (W1 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	6	2	40%	40%
Camp 11	12	2	22%	22%
Camp 12	10	4	57%	57%
Camp 13	16	5	50%	50%
Camp 14	11	3	33%	33%
Camp 15	11	5	56%	56%
Camp 16	8	3	60%	60%
Camp 17	9	2	17%	17%
Camp 18	9	4	50%	50%
Camp 19	6	4	80%	80%
Camp 20	3	3	100%	100%
Camp 20 Ext	1	1	100%	100%
Camp 9	11	3	29%	29%

Map 3 | Completeness by camp

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

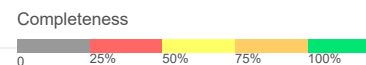
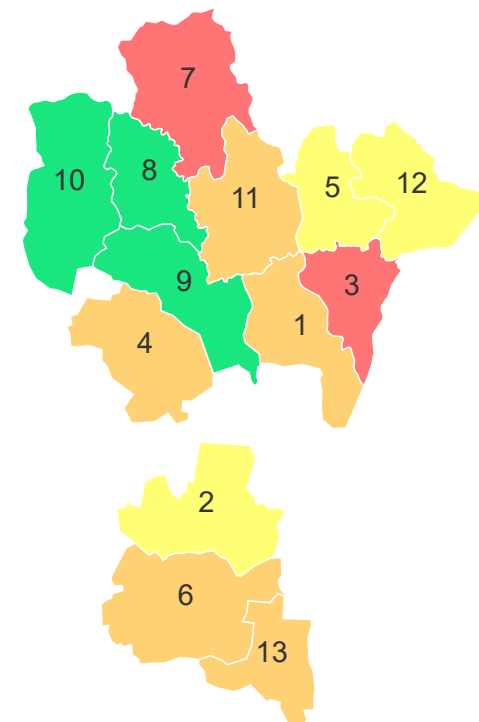


Table 6 | Performance by camp (W1 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	5	4	75%	75%
Camp 22 Unchiprang	6	2	67%	67%
Camp 23 Shamlapur	4	2	67%	67%
Camp 24 Leda	2	1	100%	100%
Camp 25 Ali Khali	2	2	100%	100%
Camp 26 Nayapara	5	0	0%	0%
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

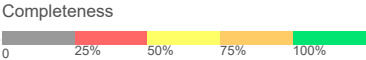
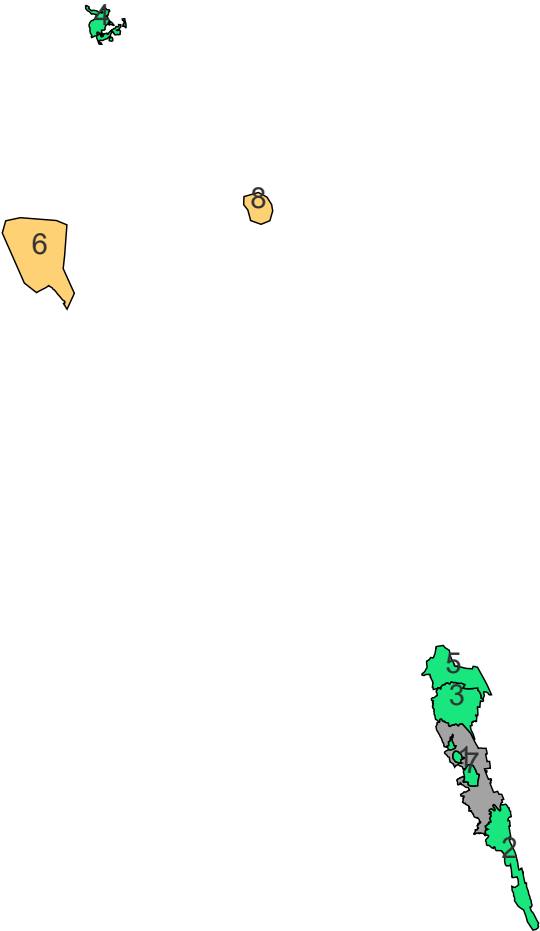


Table 7 | Performance by partner (W1 2020)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	4	2	50%	50%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	1	0	0%	0%
FRNDS	15	9	60%	60%
GK	9	6	67%	67%
HMBDF	2	1	50%	50%
IOM	18	12	67%	67%
IRC	3	1	33%	33%
MSF	9	4	44%	44%
MoH	0	0	0%	0%
Hope	2	2	100%	100%
Medair	1	1	100%	100%

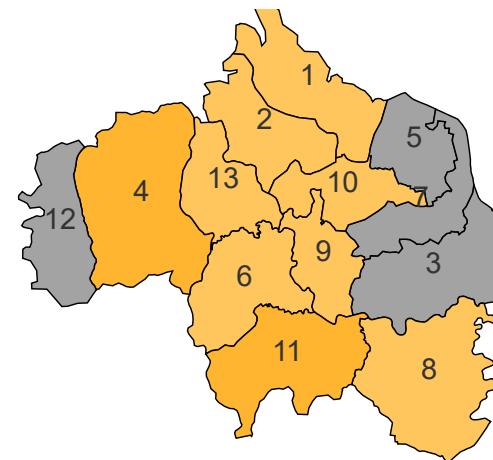
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
MTI	5	3	60%	60%
PHD	10	0	0%	0%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	9	5	56%	56%
SCI	10	9	90%	90%
TdH	1	0	0%	0%

Table 8 | Performance by camp

Northern group	W1		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	1	100%	1	100%
Camp 1W	1	100%	1	100%
Camp 2E	0	0%	0	0%
Camp 2W	2	100%	2	100%
Camp 3	2	100%	2	100%
Camp 4	5	100%	5	100%
Camp 4 Ext	0	0%	0	0%
Camp 5	2	100%	2	100%
Camp 6	1	100%	1	100%
Camp 7	0	0%	0	0%
Camp 8E	1	100%	1	100%
Camp 8W	3	100%	3	100%
Kutupalong RC	0	0%	0	0%

Map 5 | Number of alerts by camp

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



of alerts

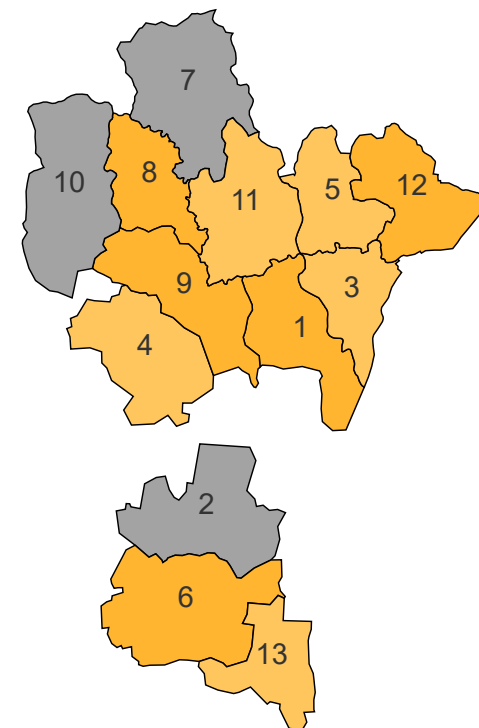


Table 9 | Performance by camp

Southern group	W1		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	1	100%	1	100%
Camp 11	1	100%	1	100%
Camp 12	4	100%	4	100%
Camp 13	1	100%	1	100%
Camp 14	0	0%	0	0%
Camp 15	4	100%	4	100%
Camp 16	2	100%	2	100%
Camp 17	0	0%	0	0%
Camp 18	1	100%	1	100%
Camp 19	3	100%	3	100%
Camp 20	3	100%	3	100%
Camp 20 Ext	0	0%	0	0%
Camp 9	4	100%	4	100%

Map 6 | Number of alerts by camp

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



of alerts



Table 10 | Performance by camp

Teknaf	W1		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	1	100%	1	100%
Camp 22 Unchiprang	0	0%	0	0%
Camp 23 Shamlapur	0	0%	0	0%
Camp 24 Leda	1	100%	1	100%
Camp 25 Ali Khali	0	0%	0	0%
Camp 26 Nayapara	0	0%	0	0%
Camp 27 Jadimura	1	100%	1	100%
Nayapara RC	0	0%	0	0%

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

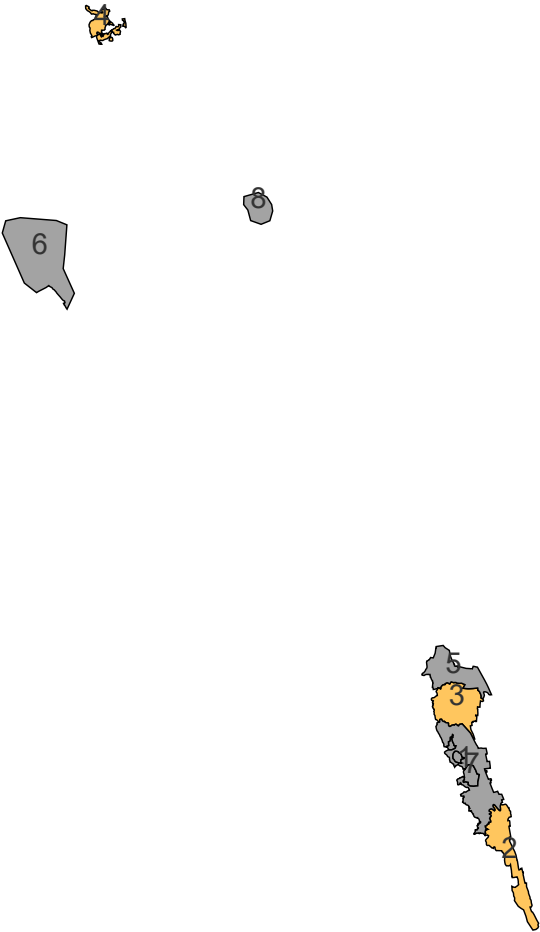


Table 11 | Performance by type of alert

Event	W1		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	34	100%	34	100%
Bloody Diarr.	0	0%	0	0%
AFP	3	100%	3	100%
Meningitis	2	100%	2	100%
Haem. fever (susp.)	0	0%	0	0%
NNT	0	0%	0	0%
Unexp. fever	3	100%	3	100%
AWD	1	100%	1	100%
ARI	2	100%	2	100%
AJS	0	0%	0	0%
Varicella (Susp.)	0	0%	0	0%
Event-based surveillance				
EBS total	0	0%	0	0%

Table 12 | Risk assessment

W1	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
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Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W1 2020



Ministry of Health and Family
Welfare Bangladesh



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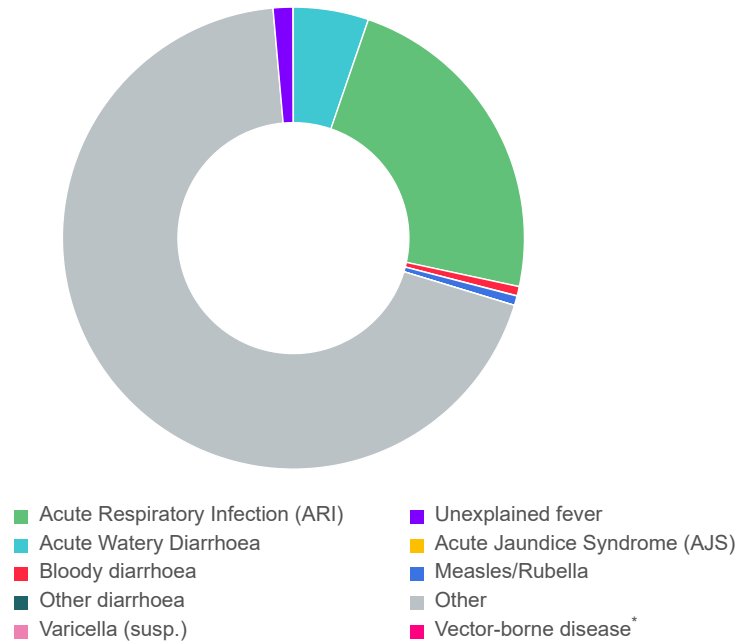
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Proportional morbidity

Figure 1 | Proportional morbidity (W1 2020)



* Combines malaria and dengue cases (suspected and confirmed)

Disease	W1		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,095	5.2%	2,095	5.2%
Bloody diarr.	263	0.6%	263	0.6%
Other diarr.	754	1.9%	754	1.9%
Susp. Varicella	6	0.0%	6	0.0%
ARI	9,196	22.7%	9,196	22.7%
Measles/Rub.	264	0.7%	264	0.7%
AFP	12	0.0%	12	0.0%
Susp. menin.	4	0.0%	4	0.0%
AJS	6	0.0%	6	0.0%
Susp. HF	0	0.0%	0	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	0	0.0%
Malaria (conf.)	0	0.0%	0	0.0%
Malaria (susp.)	0	0.0%	0	0.0%
Dengue (conf.)	0	0.0%	0	0.0%
Dengue (susp.)	0	0.0%	0	0.0%
Unexpl. fever	556	1.4%	556	1.4%
Sev. Malnut.	20	0.0%	20	0.0%
Inj./Wounds	1,279	3.2%	1,279	3.2%
Other	26,103	64.3%	26,103	64.3%
Total	40,013	100%	40,569	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W1)

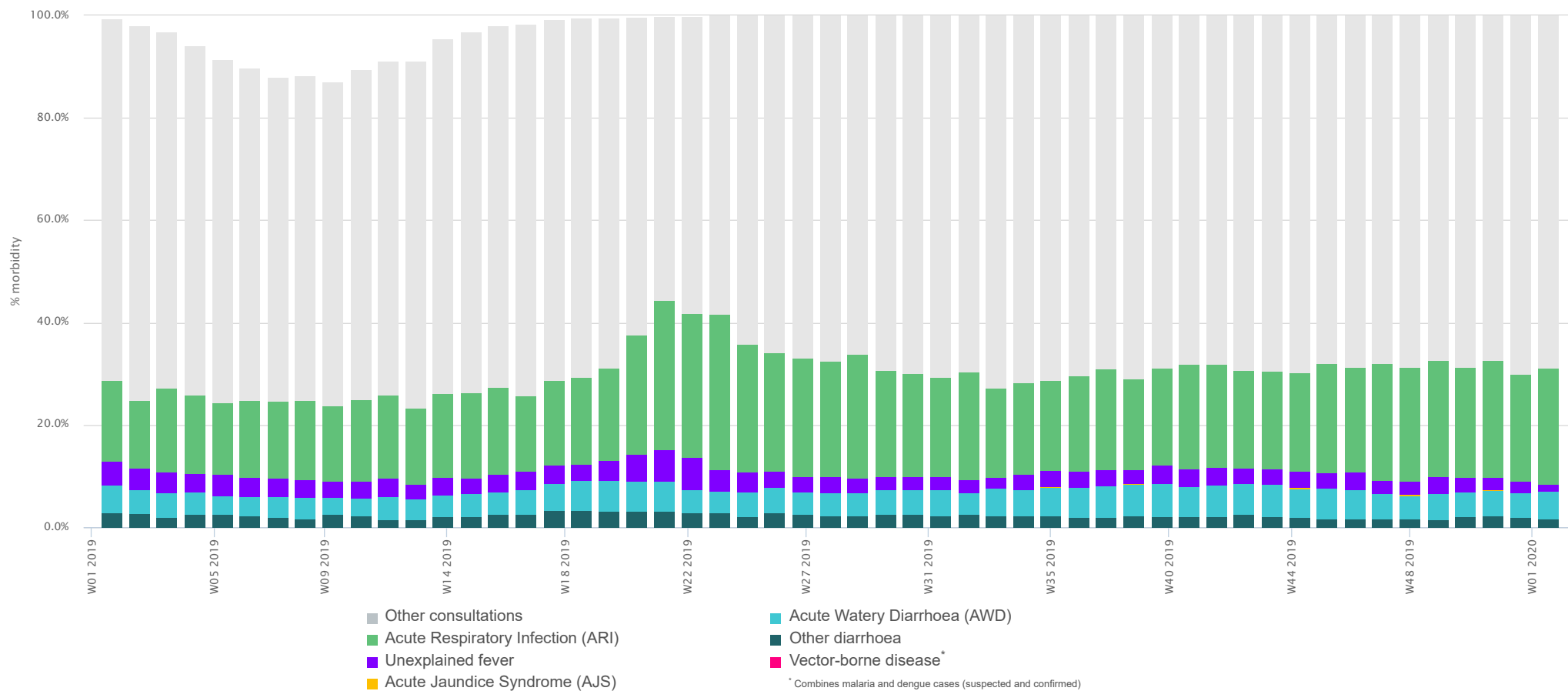
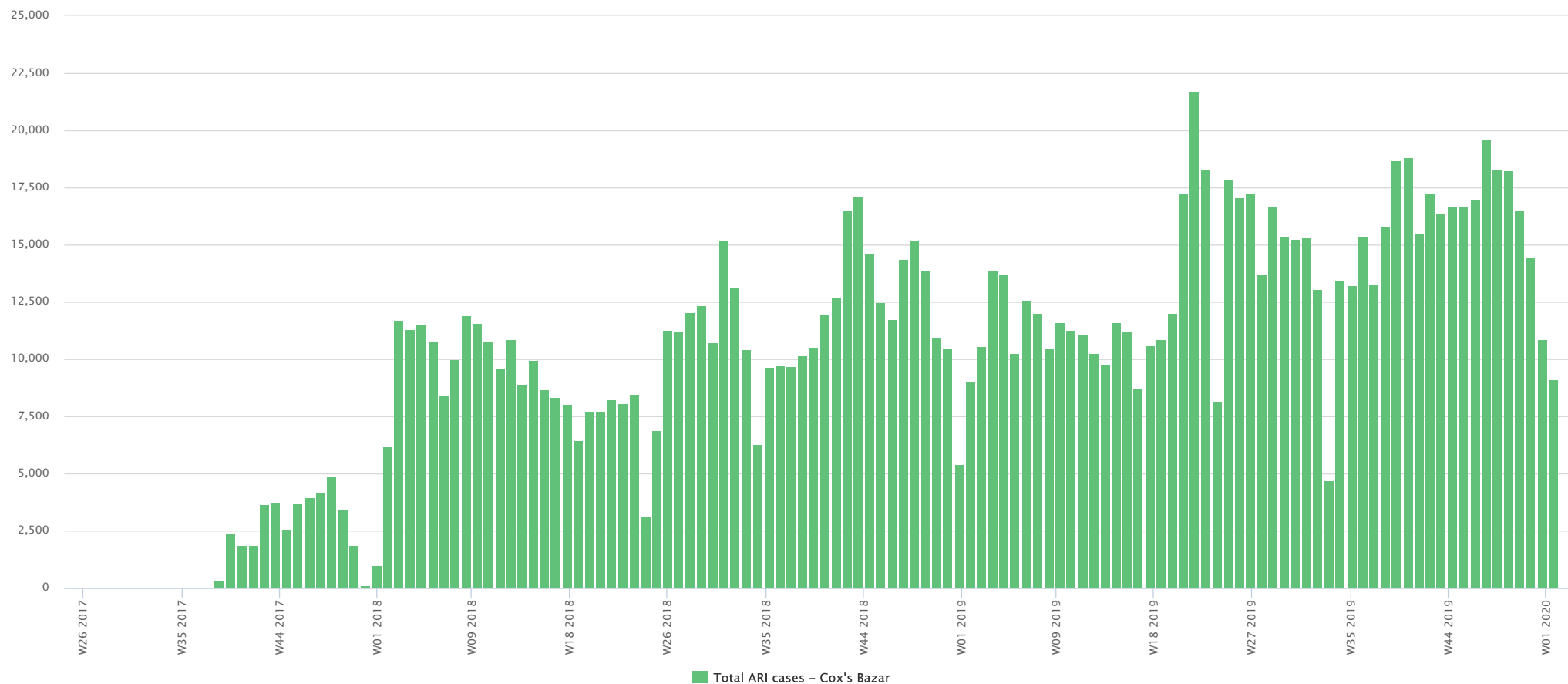
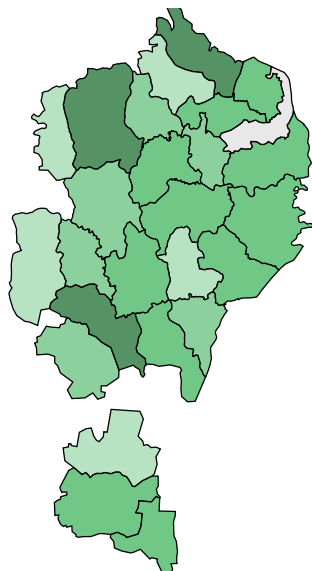


Figure 3 | Trend in number of cases over time (W38 2017 - W1 2020)

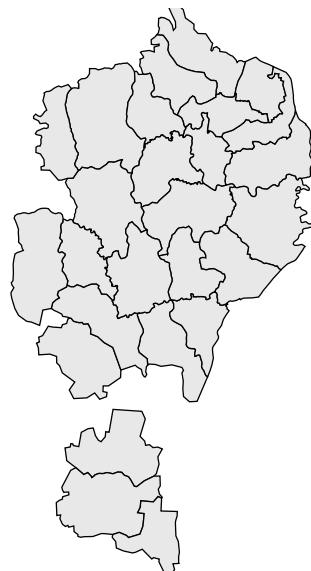


Map 1 | Map of cases by camp (W1 2020)

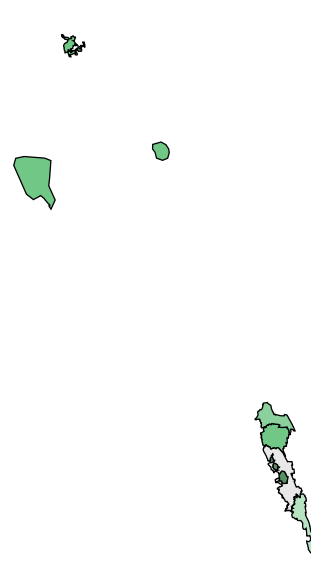
a. Ukhia | Number of cases



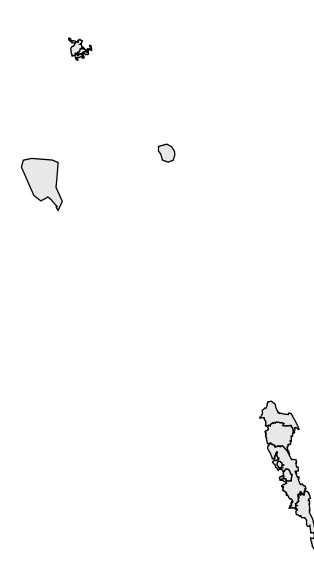
b. Ukhia | Number of alerts



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 (W1 2020)

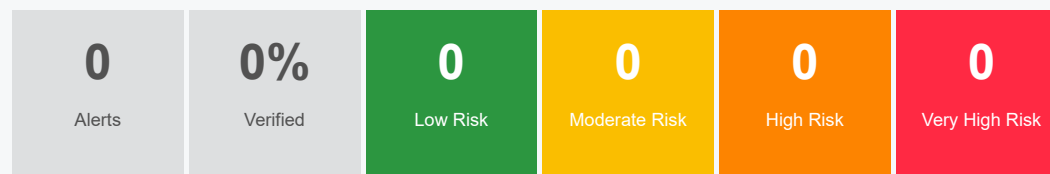
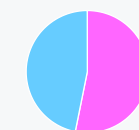
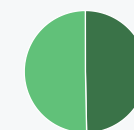


Figure | % sex



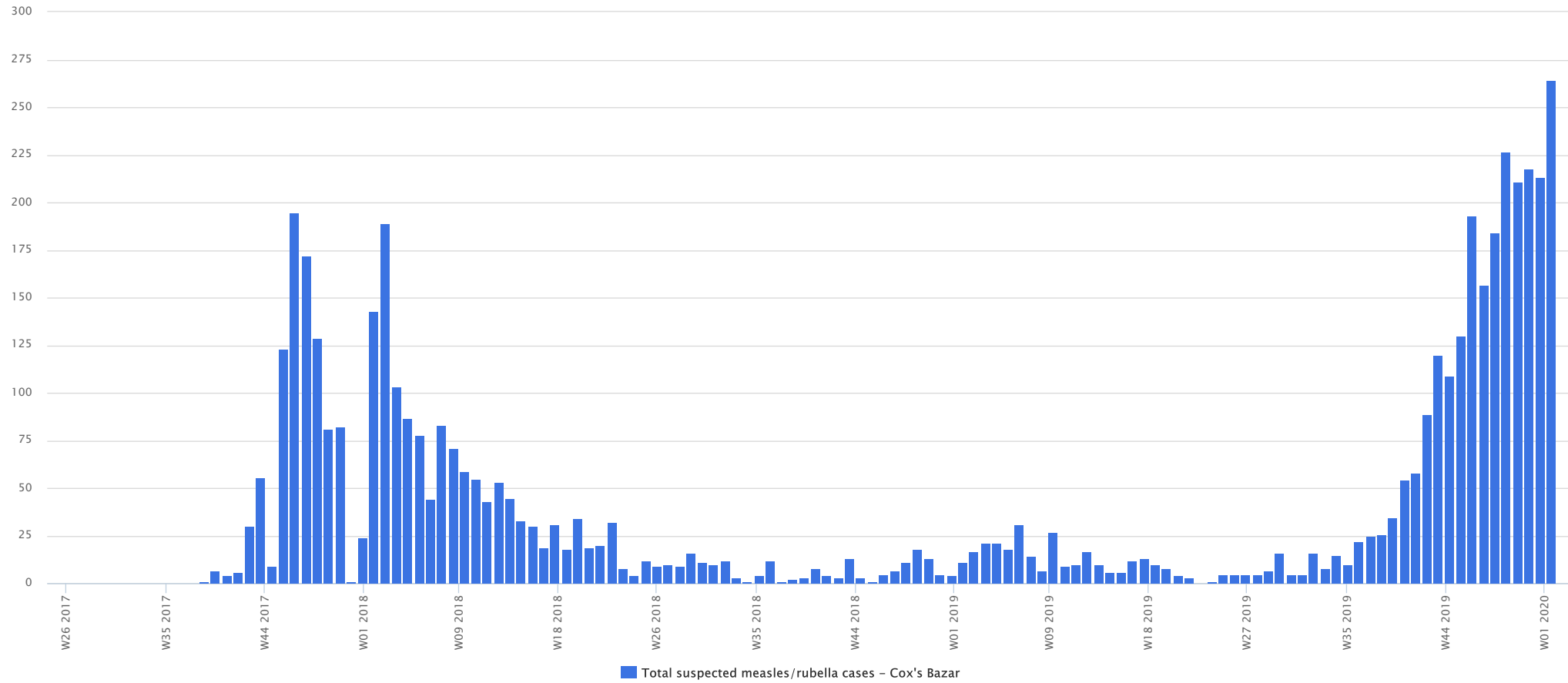
Female Male

Figure | % age



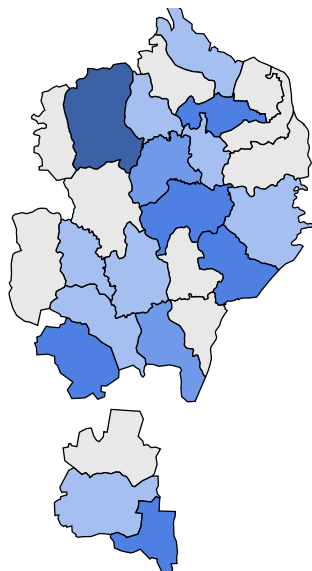
>=5 <5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W1 2020)

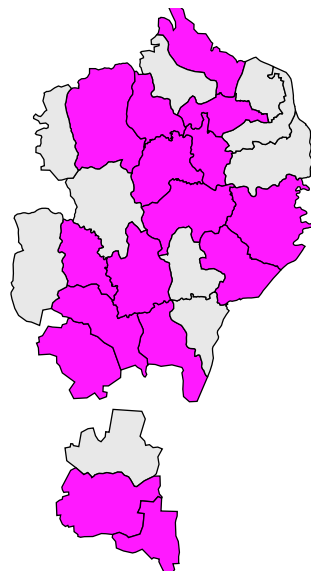


Map 2 | Map of cases by camp (W1 2020)

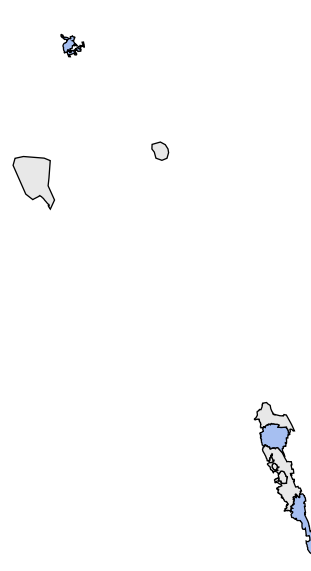
a. Ukhia | Number of cases



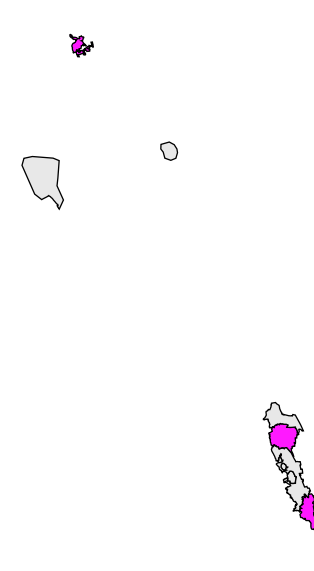
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

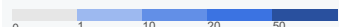


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



Alert threshold

1 case. Source: IEDCR

Alert management (W1 2020)

34

Alerts

100%

Verified

0

Low Risk

0

Moderate Risk

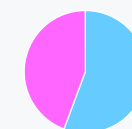
0

High Risk

0

Very High Risk

Figure | % sex



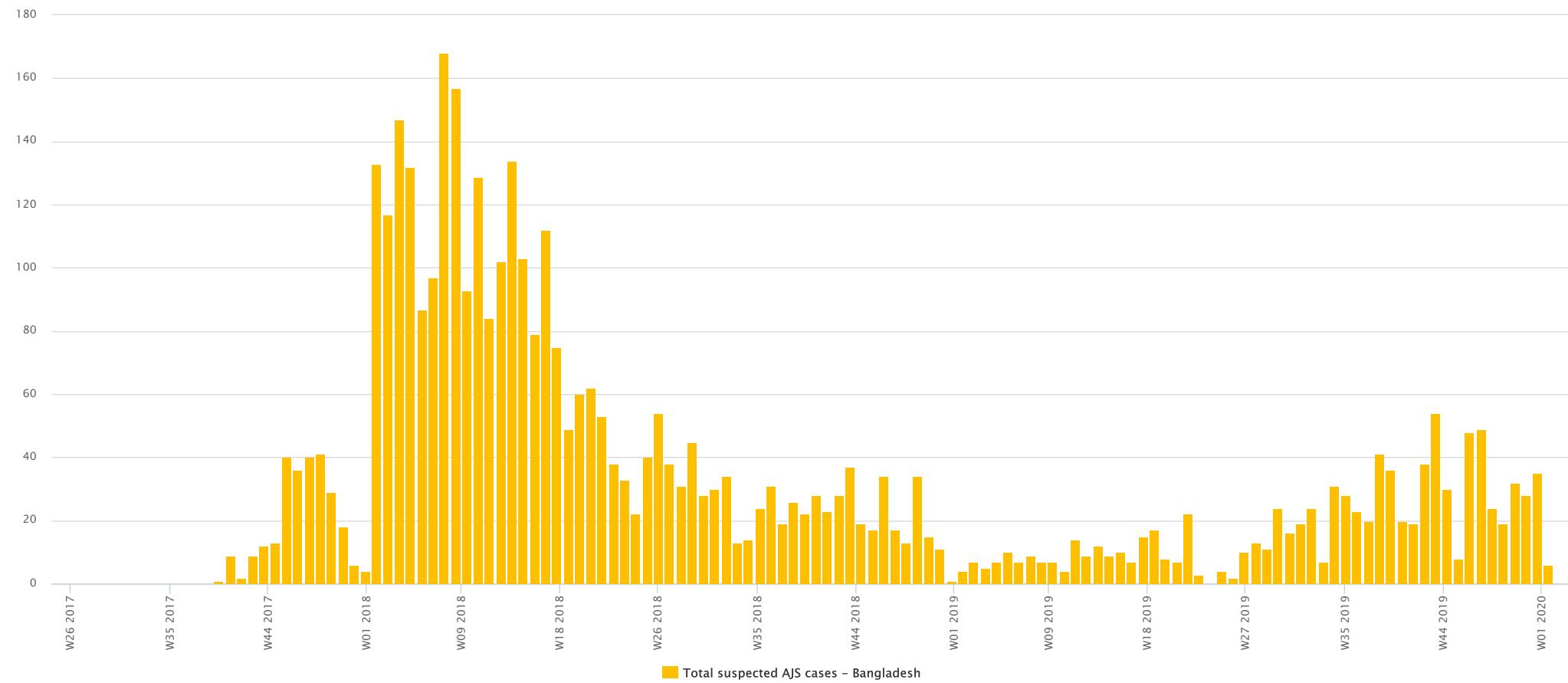
Male Female

Figure | % age



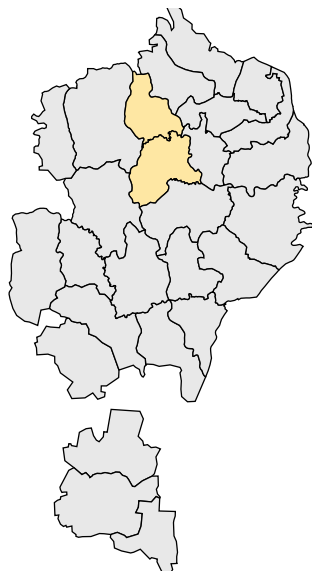
>= 5 < 5

Figure 5 | Trend in number of cases over time (W38 2017 - W1 2020)

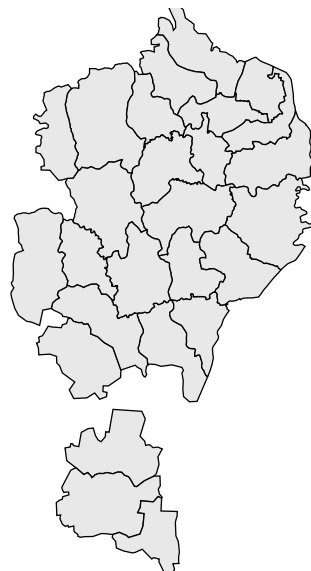


Map 3 | Map of cases by camp (W37 2017 - W1 2020)

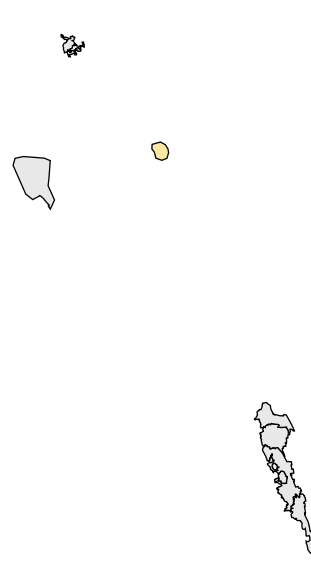
a. Ukhia | Number of cases



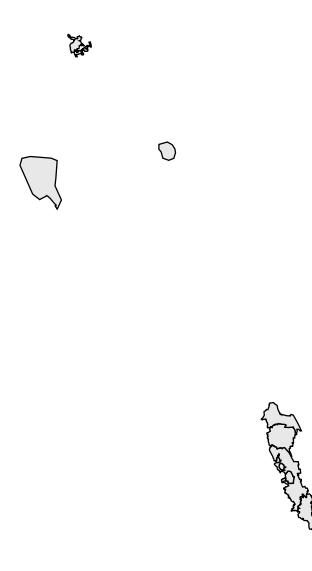
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

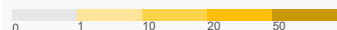


d. Teknaf | Number of alerts



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 (W1 2020)

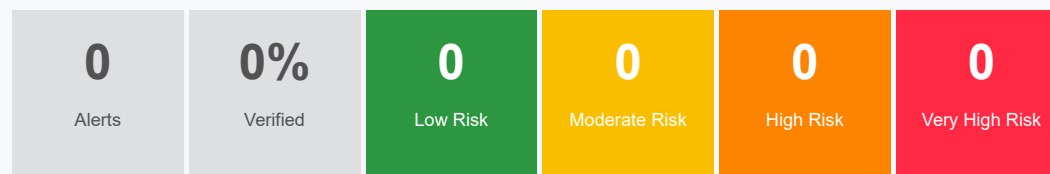
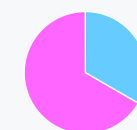
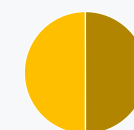


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W1 2020)

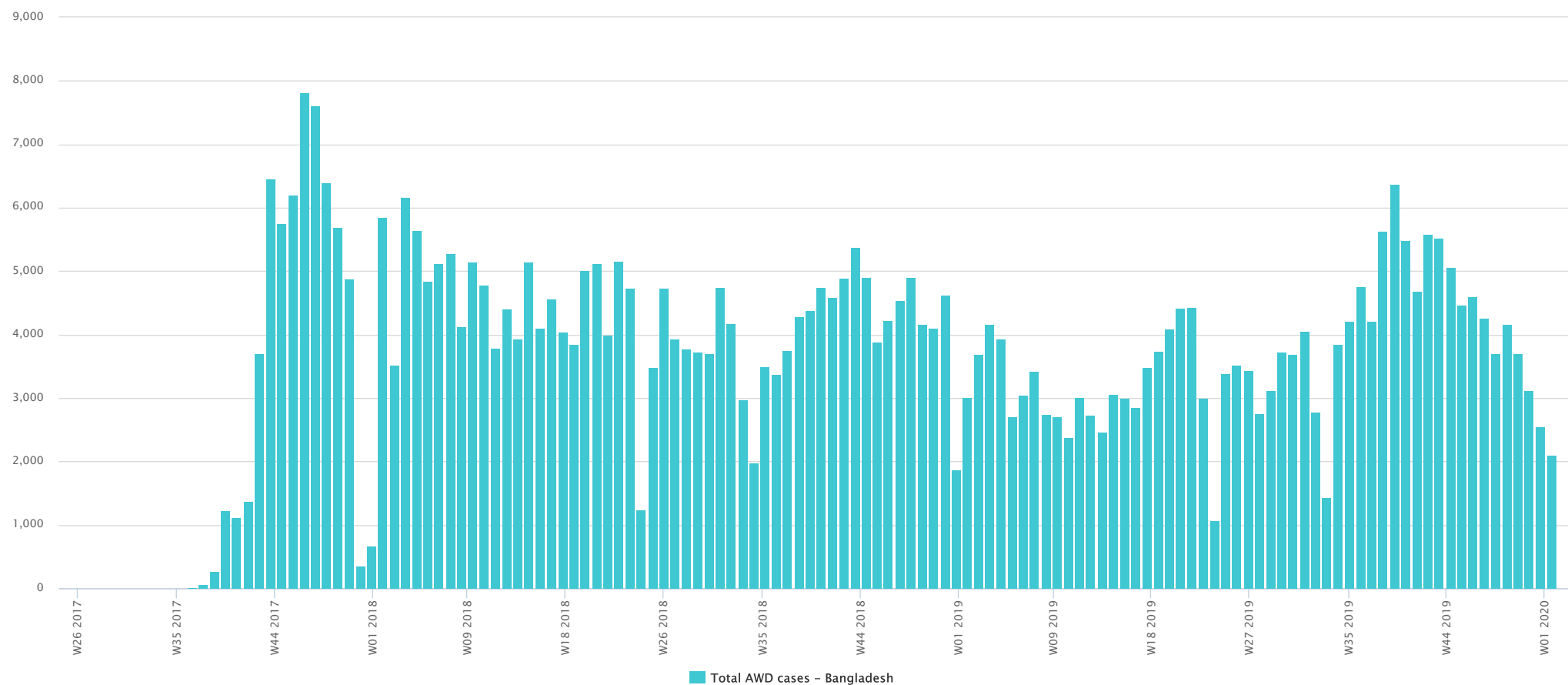
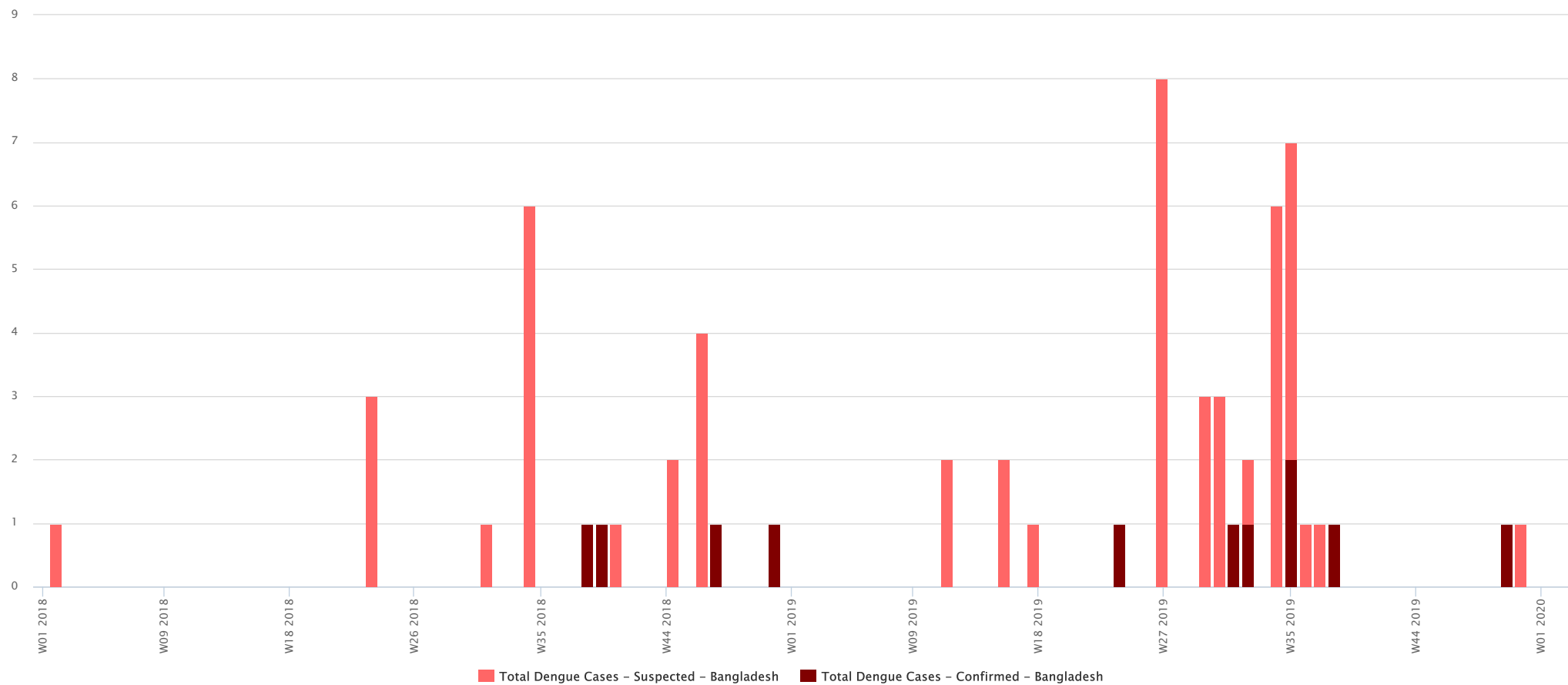
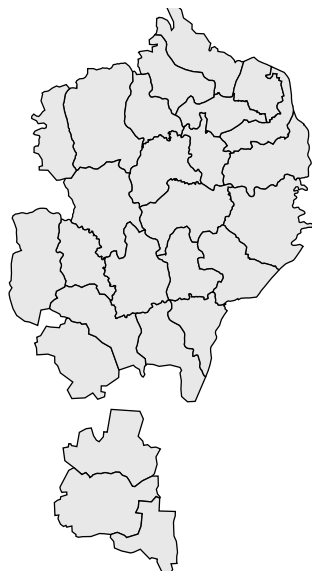


Figure 7 | Trend in number of cases over time (W38 2017 - W1 2020)

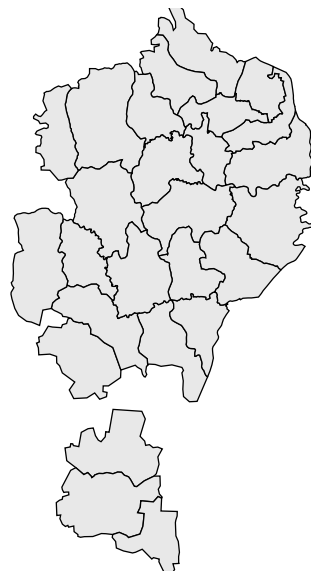


Map 4 | Map of cases by camp (W37 2017 - W1 2020)

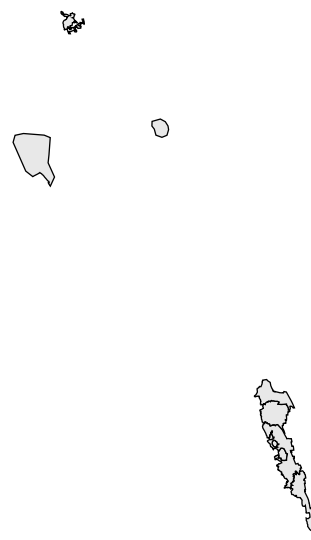
a. Ukhia | Number of cases



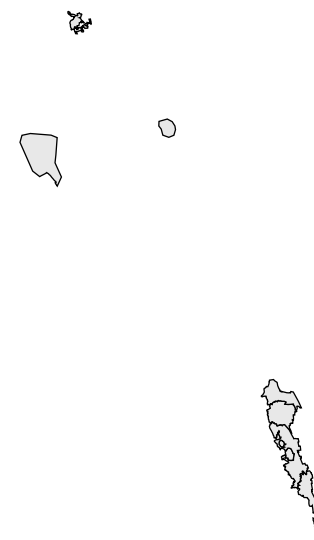
b. Ukhia | Number of alerts



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 (W1 2020)

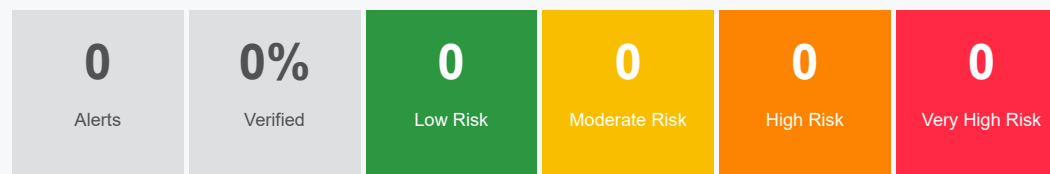


Figure | % sex

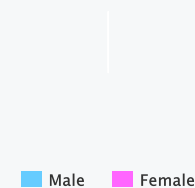


Figure | % age

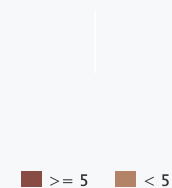
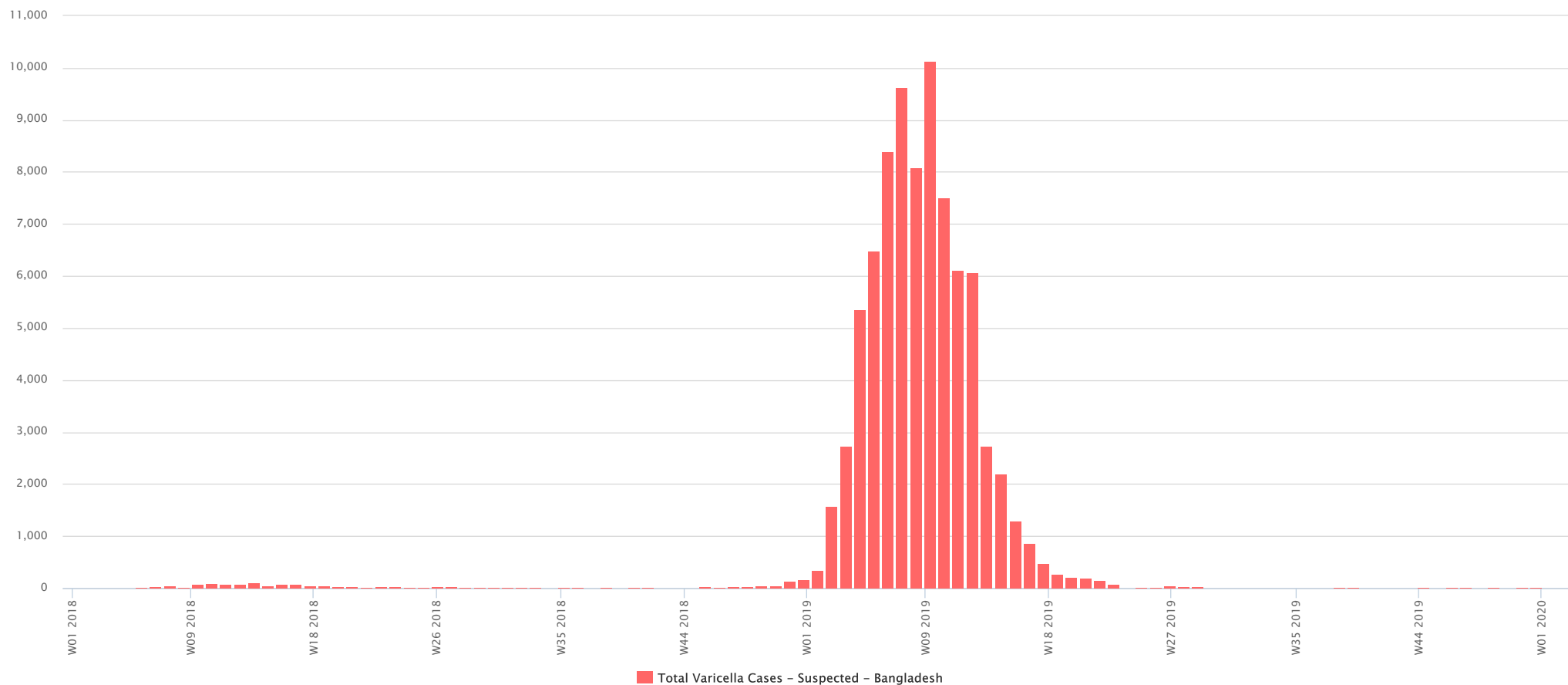
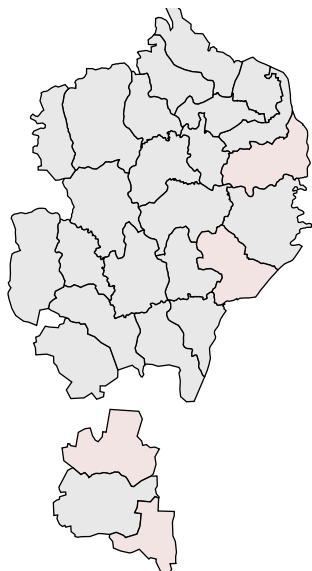


Figure 7 | Trend in number of cases over time (W38 2017 - W1 2020)

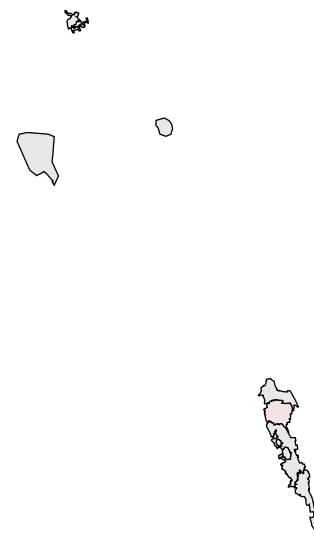


Map 4 | Map of cases by camp (W37 2017 - W1 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

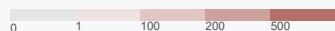
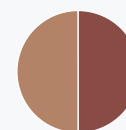


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

For more help and support, please contact:

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Notes

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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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