



Epidemiological Highlights

Week 3 (13-19 Jan 2020)



**World Health
Organization**

Highlights:

- 1 AWD RDT positive case reported from host community Teknaf in week 3
- Bloody diarrhoea cluster reported from camp 12 in week 3
 - Mild illness in children
 - Aetiology unknown – stool samples requested
- Measles Outbreak Response Immunization going on the camp from January 12 to February 12, 2020 and target age group is 6 month to < 10 year in the camp population
- 2nd dose OCV campaign ongoing in the Host Community from 19 January -8 February, 2020 and Proposed date for the camps 15-20 February, 2020
- 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 157/171 (92%) health facilities registered in EWARS
- Only 115/ 157 weekly reports received last week
- Completeness and Timeliness for this week is 71%
- Total 78 alerts were triggered this week which same as previous week (78 reported last week).
- All alerts were reviewed and verified by EWARS team.

Diphtheria

Total of 9 suspected case-patients reported in week 3

A total of 8 987 case-patients were reported in EWARS form 2017 to till date

- Confirmed = 315
- Probable = 2 770
- Suspected = 5 864

Total Case reported in 2020 = 35

- Confirmed = 0
- Probable = 1
- Suspected = 34

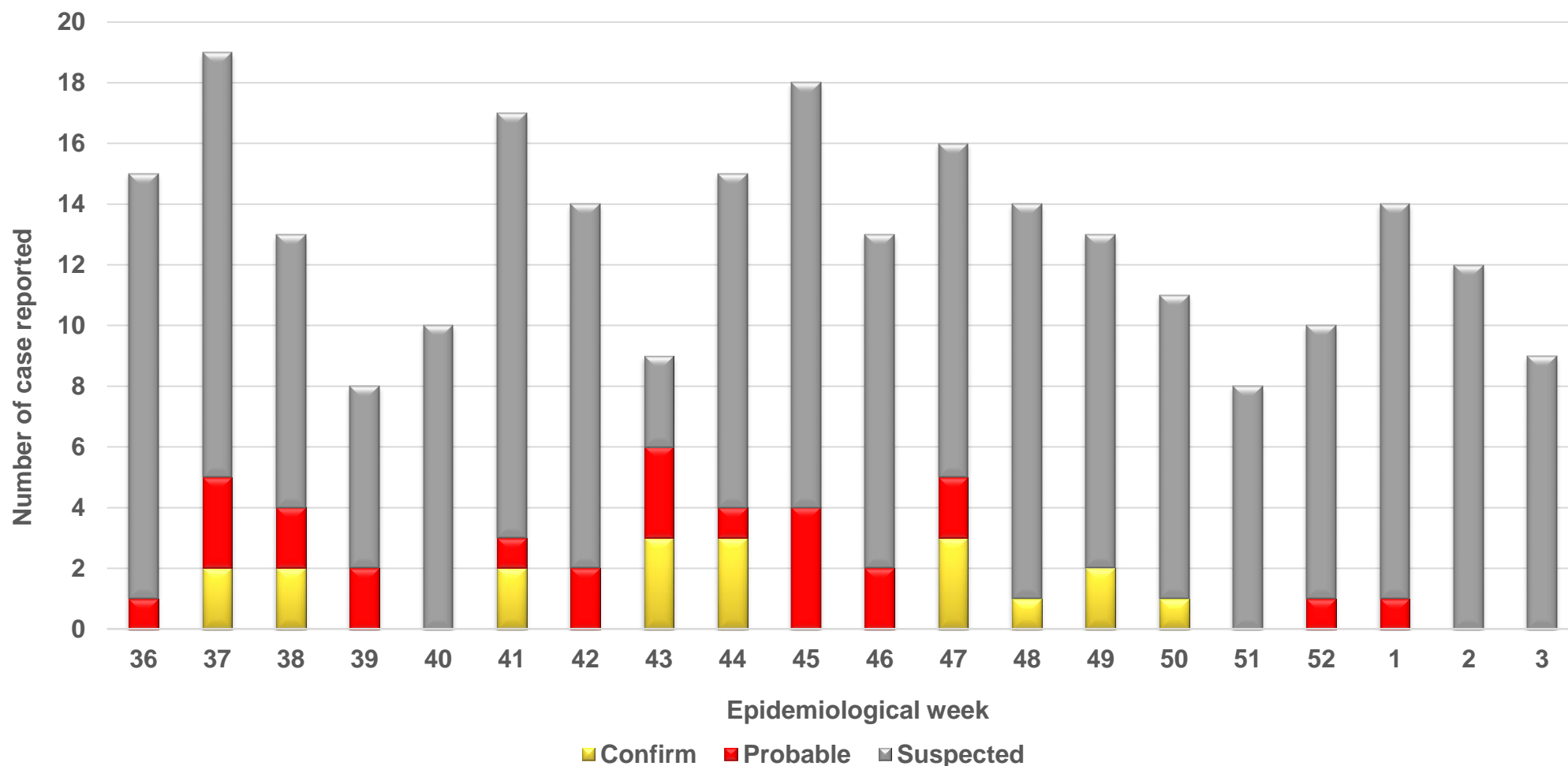
Last confirmed case was reported in Week 50 (12 December 2019)

Total deaths reported in EWARS 46. Last death was reported 25 October 2019

Go.Data now being implemented for contact tracing

Diphtheria

Diphtheria case patient reported in EWARS from Epi week 36-03, 2020

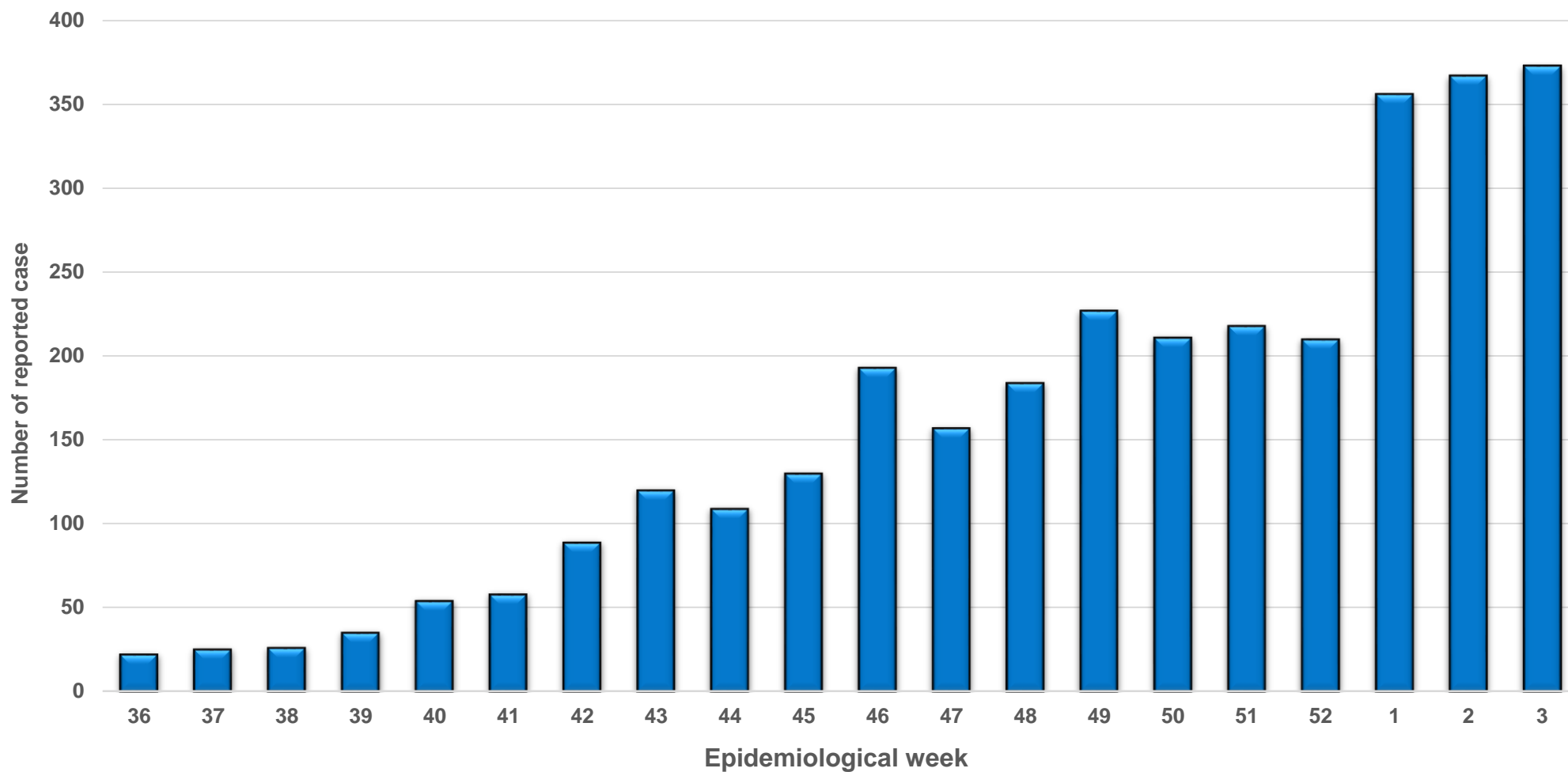


Measles

- 373 suspected measles cases were reported through weekly report form in EWARS in week 3
- Out of total 1099 in 2020, 693 cases (63%) were reported via measles case report form
- Outbreak response immunization is being conducted now

Measles

Total number of Measles case reported in EWARS from week 36-3, 2020

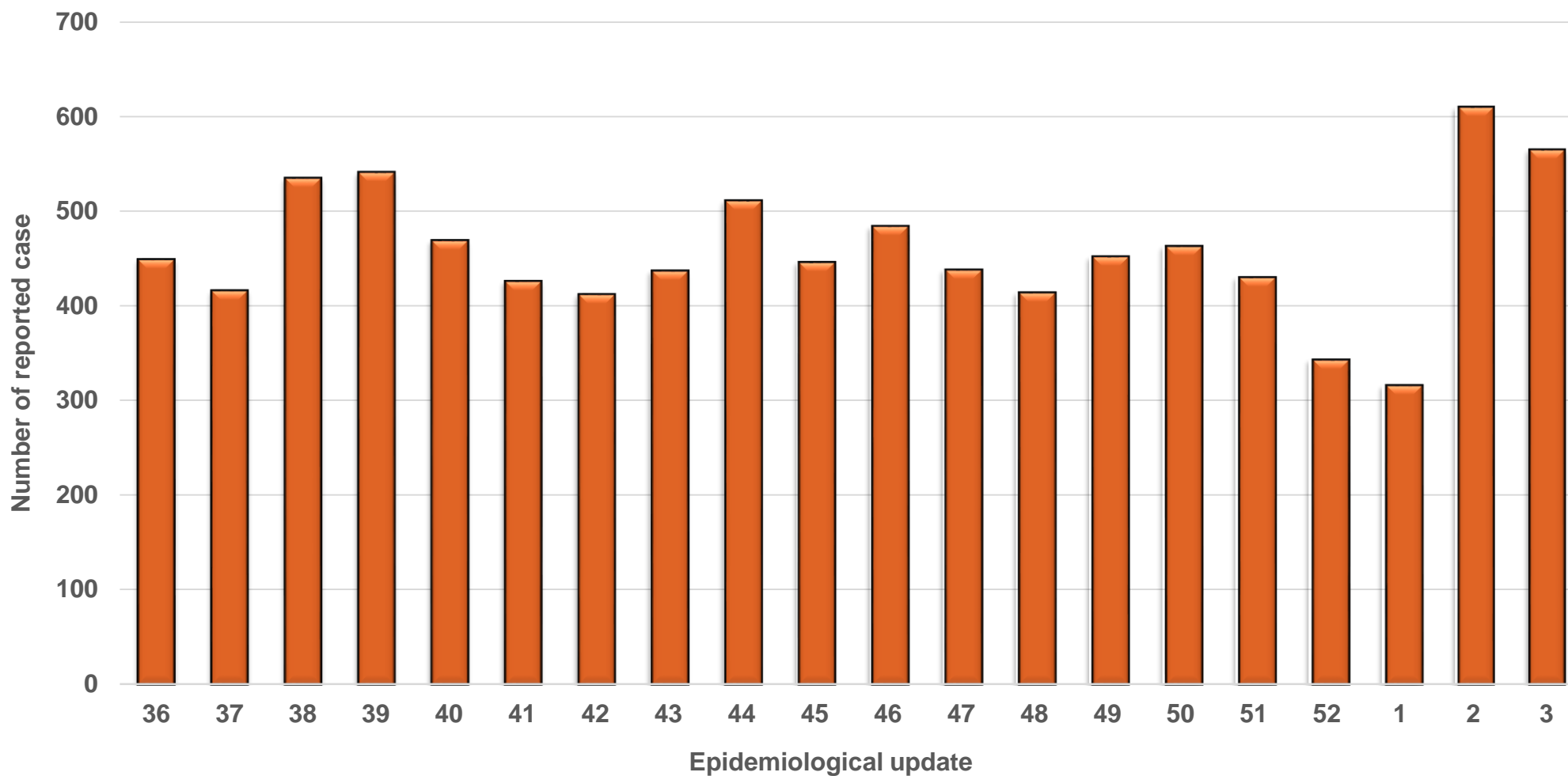


Diarrhoeal Disease

- A total 4745 diarrhoeal diseases cases reported from EWARS in week 3
- Among which 2895 cases reported with acute watery diarrhoea (AWD), 565 cases reported with bloody diarrhoea and 1285 cases reported with other diarrhoea.
- Bloody diarrhea showing increasing trend in the last week
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

Diarrhoeal Disease

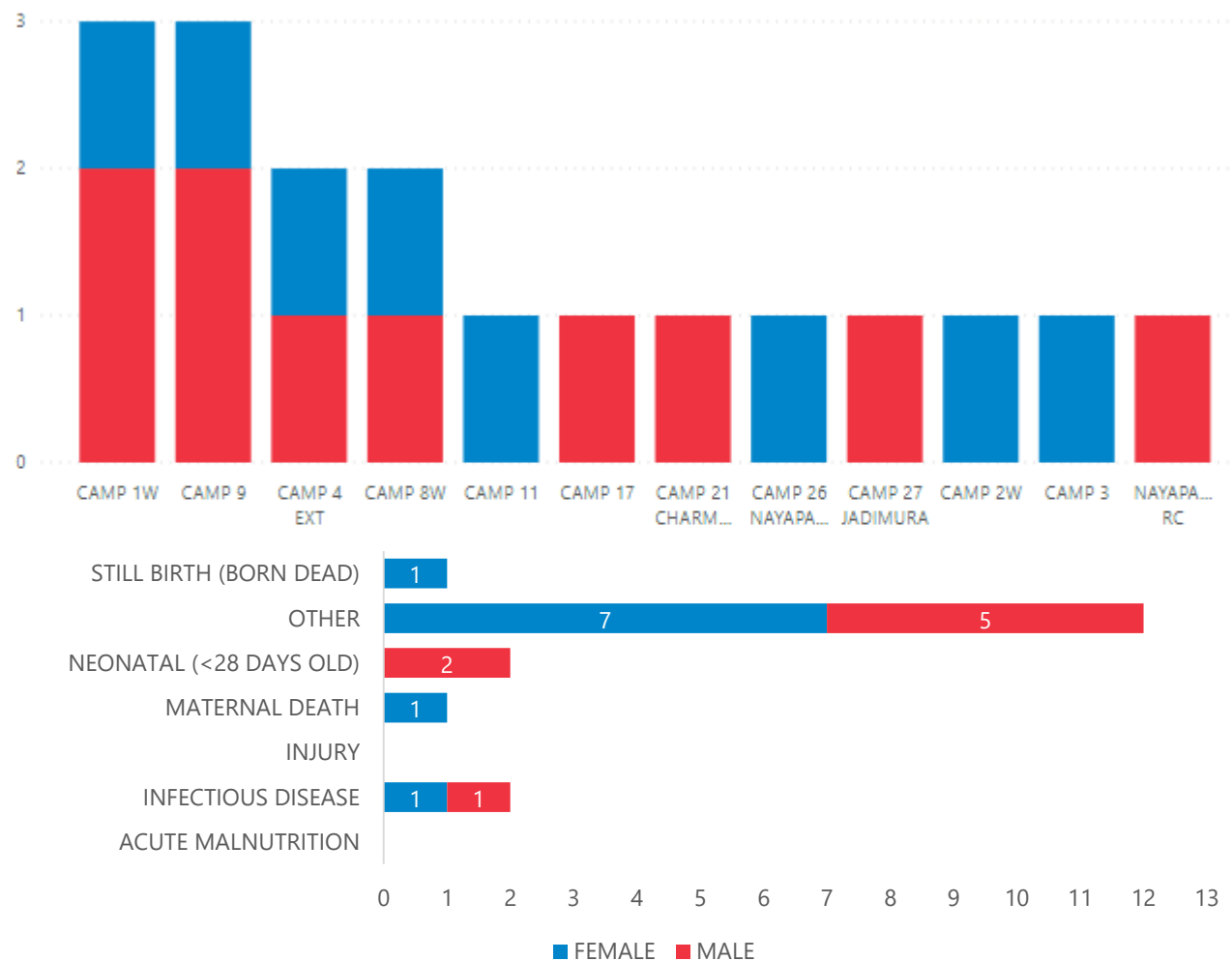
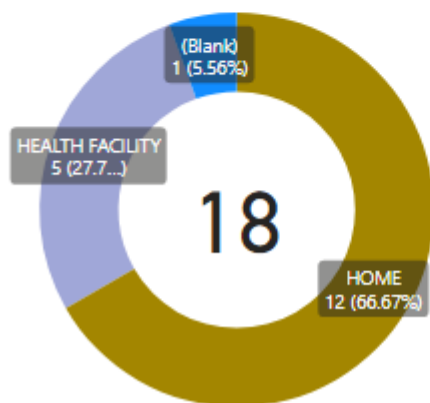
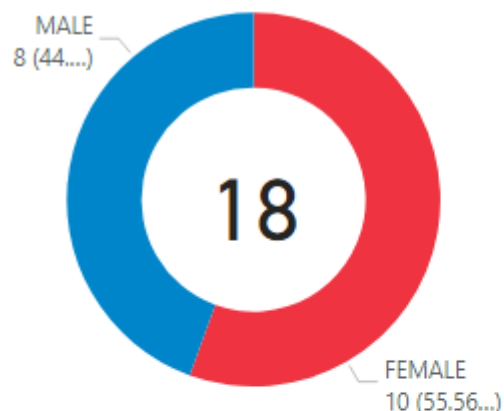
Total number of bloody diarrhoea csae reported in EWARS from week 36-3, 2020



Community-based surveillance

- In week 3, a total of 18 deaths were recorded. 66.7% (n=12) were due to causes classified as “Others”, 5.6% (n=1) still birth, 11.1%(n=2) neonatal death, 5.55% (n=1) maternal death, 11.1% (n=2) death due to infectious diseases.
- There was 3 mortality alert raised for women of reproductive age (12-49 years).
- 27.7% of deaths reported in the health facility and 66.67% of deaths are reported dead 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 W3 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



HEALTH SECTOR
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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 W3 2020

Table 1 | Coverage

#	%	
932,930	-	Estimated total Rohingya population ¹
919,946	99%	Total population under surveillance
171	-	Total number of health facilities
157	92%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W3	Cumulative (2020)	
115	357	Number of weekly reports received
71%	60%	Completeness
71%	57%	Timeliness

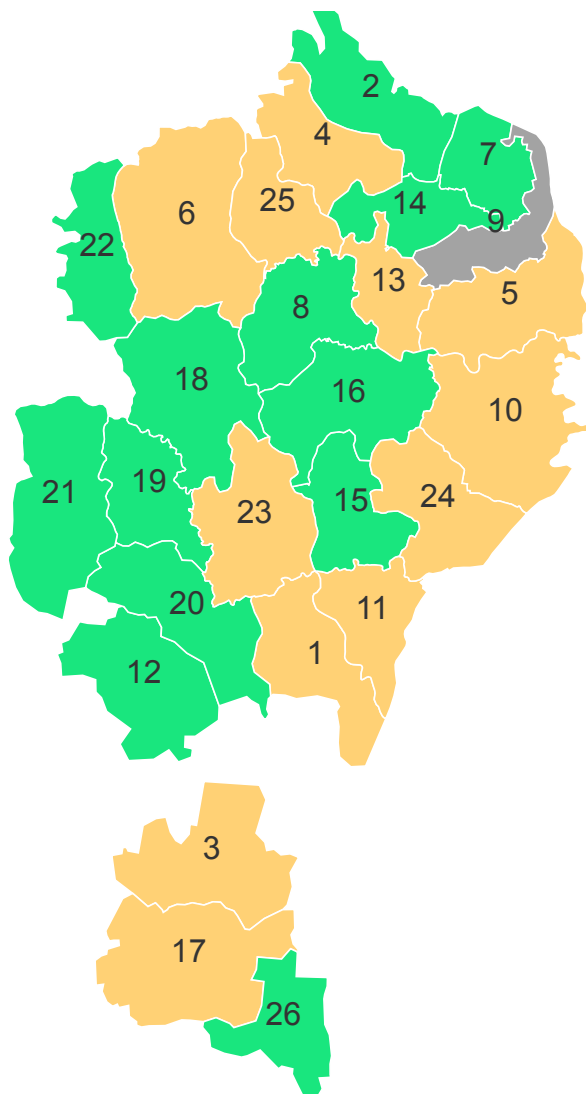
Table 3 Alert performance indicators

W3	Cumulative (2020)	
78	220	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

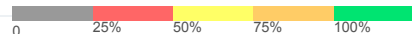
¹ Source: IOM. Bangladesh: Needs and Population Monitoring - NPM R11 Report. 14 June 2018.

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 10
- 16 Camp 8W
- 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

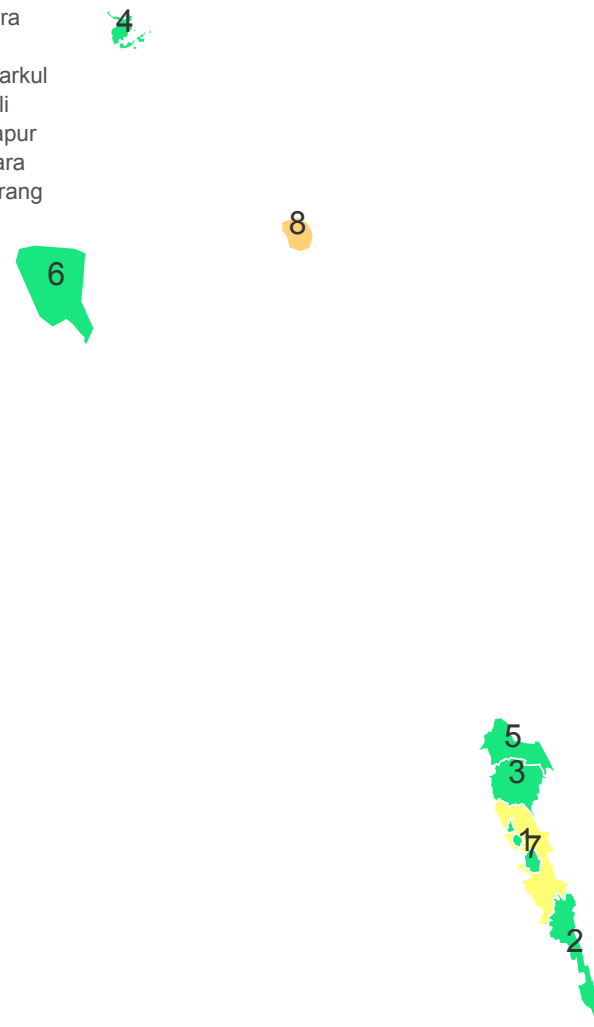


Completeness



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 (W3 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	5	4	80%	80%
Camp 1W	3	2	67%	67%
Camp 2E	1	0	0%	0%
Camp 2W	2	2	100%	100%
Camp 3	7	4	57%	57%
Camp 4	9	5	67%	67%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	5	100%	100%
Camp 6	4	2	50%	50%
Camp 7	7	3	60%	60%
Camp 8E	8	4	57%	57%
Camp 8W	8	6	86%	86%
Kutupalong RC	2	2	100%	100%

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

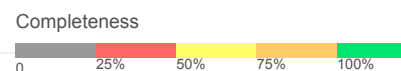
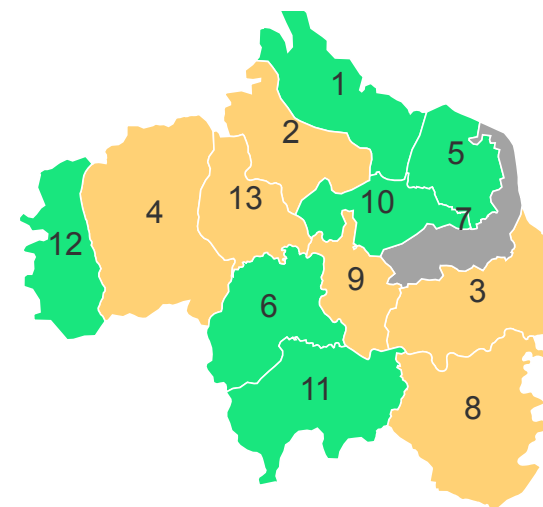


Table 5 | Performance by camp (W3 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	4	100%	100%
Camp 11	10	6	67%	67%
Camp 12	8	6	71%	71%
Camp 13	13	7	78%	78%
Camp 14	9	5	56%	56%
Camp 15	10	5	56%	56%
Camp 16	5	4	80%	80%
Camp 17	5	4	80%	80%
Camp 18	7	4	67%	67%
Camp 19	6	4	80%	80%
Camp 20	3	3	100%	100%
Camp 20 Ext	1	1	100%	100%
Camp 9	8	4	50%	50%

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

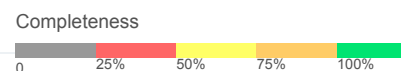
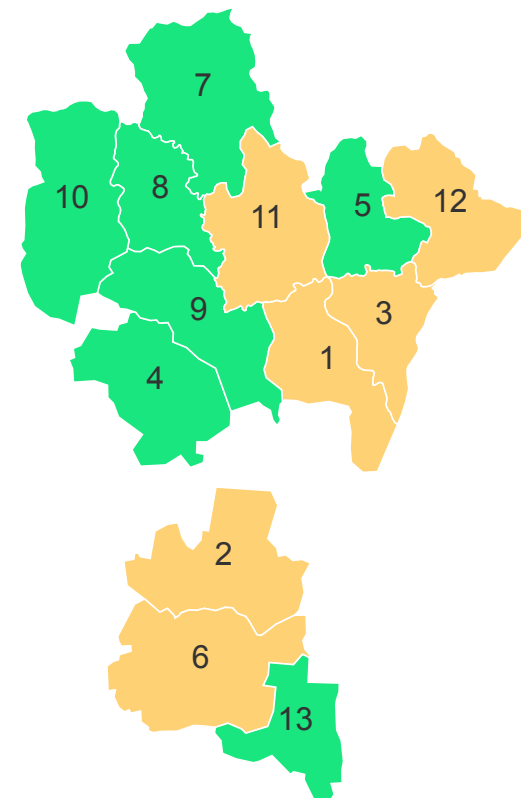
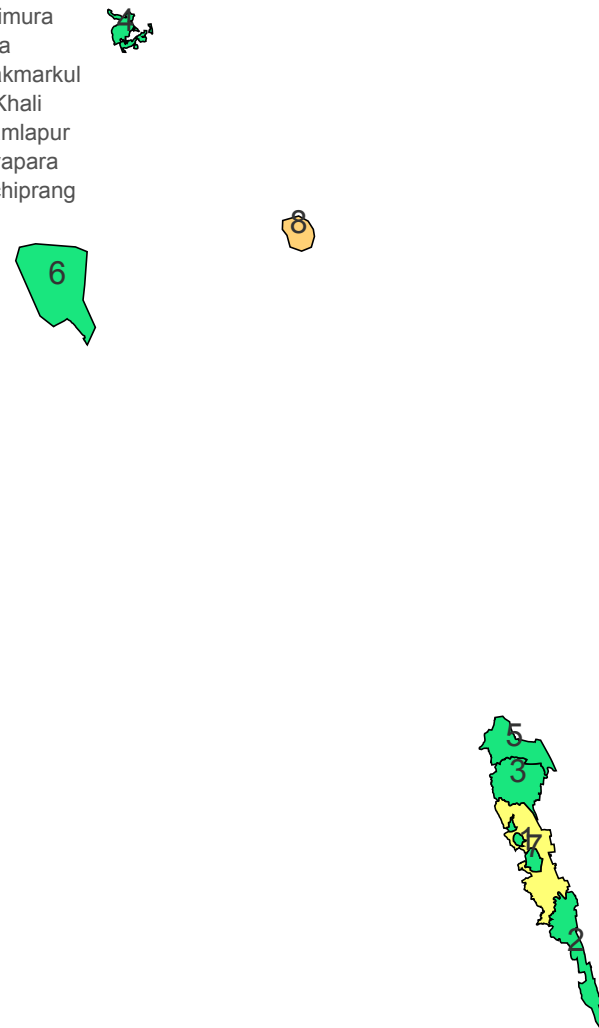


Table 6 | Performance by camp (W3 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	4	75%	75%
Camp 22 Unchiprang	5	2	67%	67%
Camp 23 Shamlapur	4	3	100%	100%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	2	2	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

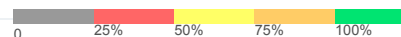


Table 7 | Performance by partner (W3 2020)

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	13	10	77%	77%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	18	16	89%	89%
IRC	1	1	100%	100%
MSF	9	4	44%	44%
MoH	0	0	0%	0%
Hope	2	2	100%	100%
Medair	1	1	100%	100%

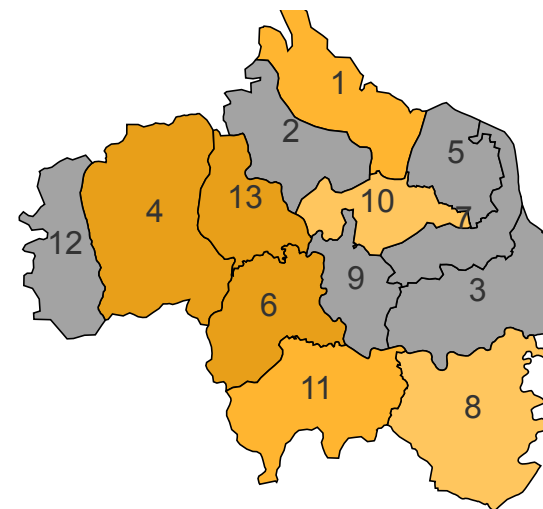
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
MTI	5	4	80%	80%
PHD	9	9	100%	100%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	8	6	75%	75%
SCI	10	9	90%	90%
TdH	1	1	100%	100%

Table 8 | Performance by camp

Northern group	W3		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	4	100%	9	100%
Camp 1W	0	0%	1	100%
Camp 2E	0	0%	2	100%
Camp 2W	1	100%	4	100%
Camp 3	6	100%	15	100%
Camp 4	7	100%	20	100%
Camp 4 Ext	0	0%	2	100%
Camp 5	6	100%	15	100%
Camp 6	0	0%	2	100%
Camp 7	0	0%	0	0%
Camp 8E	1	100%	4	100%
Camp 8W	4	100%	11	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

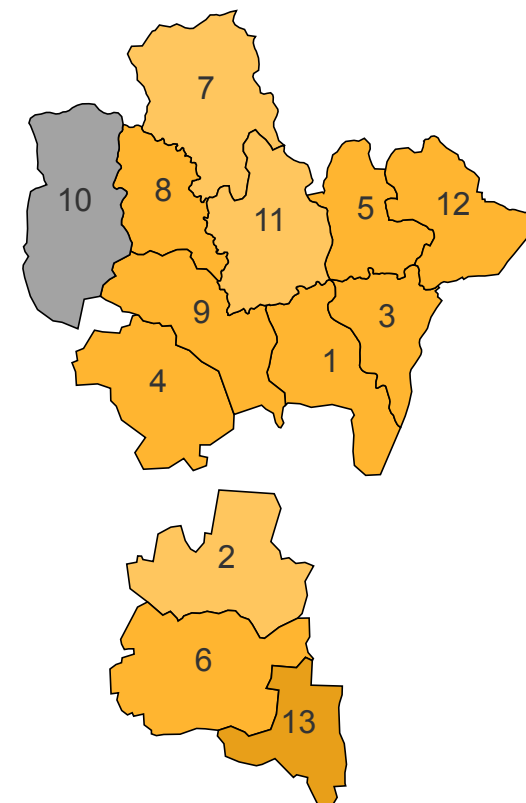


Table 9 | Performance by camp

Southern group	W3		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	4	100%	9	100%
Camp 11	4	100%	10	100%
Camp 12	4	100%	16	100%
Camp 13	5	100%	10	100%
Camp 14	2	100%	5	100%
Camp 15	3	100%	9	100%
Camp 16	6	100%	12	100%
Camp 17	2	100%	3	100%
Camp 18	2	100%	5	100%
Camp 19	3	100%	11	100%
Camp 20	3	100%	7	100%
Camp 20 Ext	0	0%	0	0%
Camp 9	3	100%	10	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

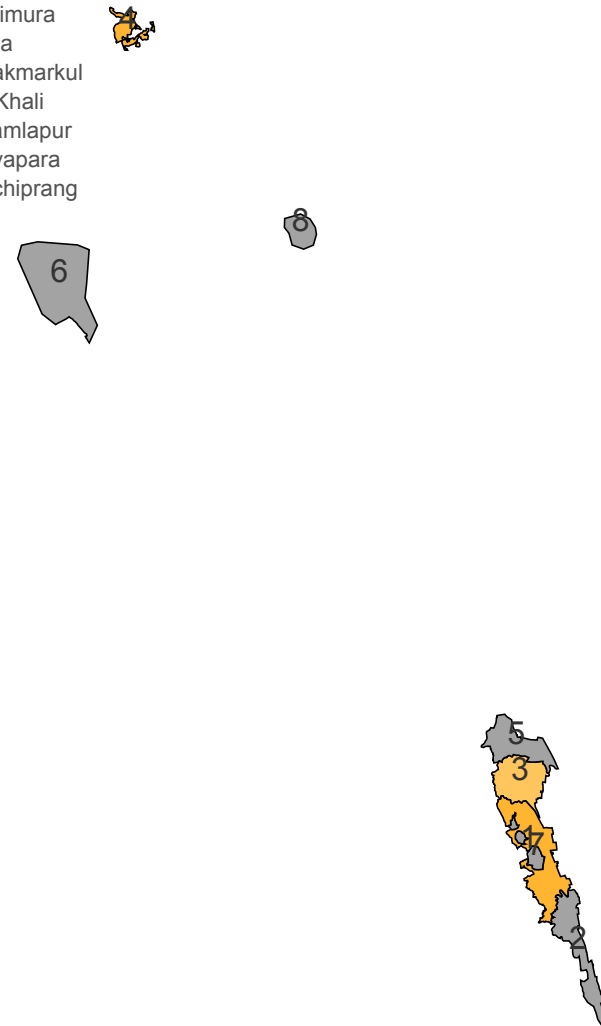


Table 10 | Performance by camp

Teknaf	W3		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	4	100%	10	100%
Camp 22 Unchiprang	0	0%	1	100%
Camp 23 Shamlapur	0	0%	0	0%
Camp 24 Leda	1	100%	4	100%
Camp 25 Ali Khali	0	0%	0	0%
Camp 26 Nayapara	3	100%	9	100%
Camp 27 Jadimura	0	0%	2	100%
Nayapara RC	0	0%	1	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	W3		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	50	100%	144	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	3	100%
Meningitis	1	100%	3	100%
Haem. fever (susp.)	1	100%	1	100%
NNT	0	0%	0	0%
Unexp. fever	2	100%	12	100%
AWD	4	100%	13	100%
ARI	8	100%	18	100%
AJS	3	100%	4	100%
Varicella (Susp.)	1	100%	1	100%
Event-based surveillance				
EBS total	8	100%	20	100%

Table 12 | Risk assessment

W3	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 W3 2020



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Welfare Bangladesh



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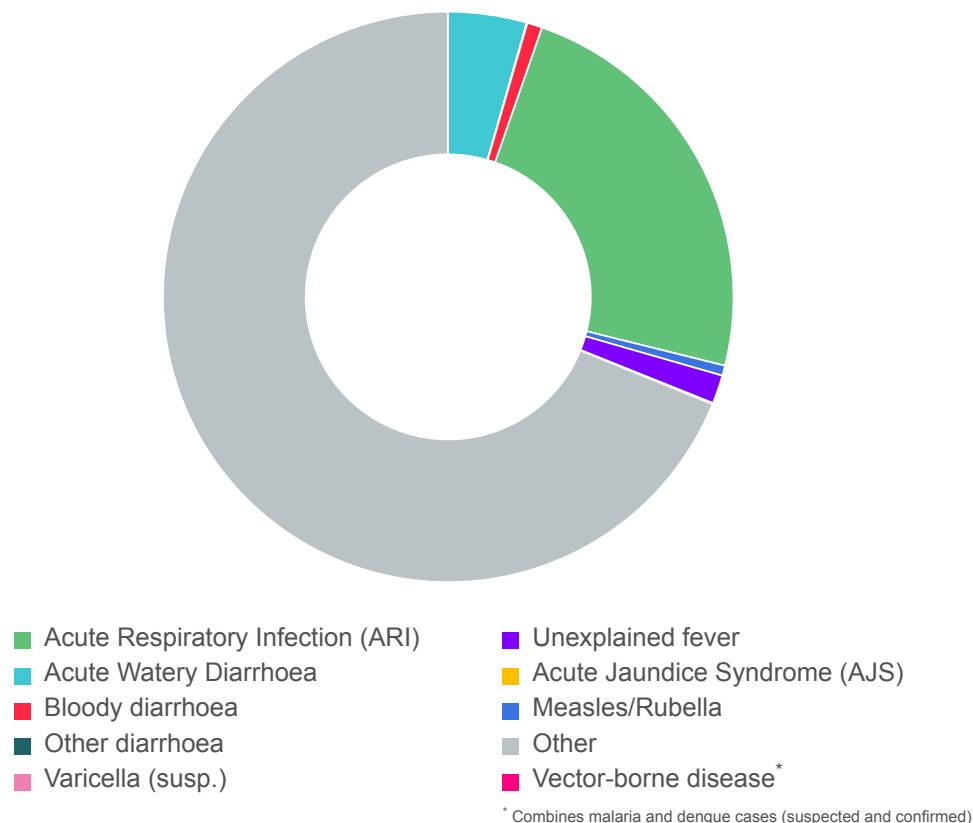
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Printed: 04:32 Thursday, 23 January 2020 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W3 2020)



Disease	W3		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,895	4.4%	8,457	4.6%
Bloody diarr.	565	0.9%	1,483	0.8%
Other diarr.	1,285	1.9%	3,650	2.0%
Susp. Varicella	39	0.1%	73	0.0%
ARI	15,307	23.1%	40,397	22.1%
Measles/Rub.	373	0.6%	1,099	0.6%
AFP	0	0.0%	3	0.0%
Susp. menin.	3	0.0%	7	0.0%
AJS	17	0.0%	34	0.0%
Susp. HF	7	0.0%	7	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.)	1	0.0%	124	0.1%
Dengue (conf.)	0	0.0%	2	0.0%
Dengue (susp.)	0	0.0%	0	0.0%
Unexpl. fever	1,057	1.6%	3,247	1.8%
Sev. Malnut.	44	0.1%	123	0.1%
Inj./Wounds	1,685	2.5%	4,585	2.5%
Other	43,055	64.9%	119,133	65.3%
Total	65,298	100%	182,477	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W3)

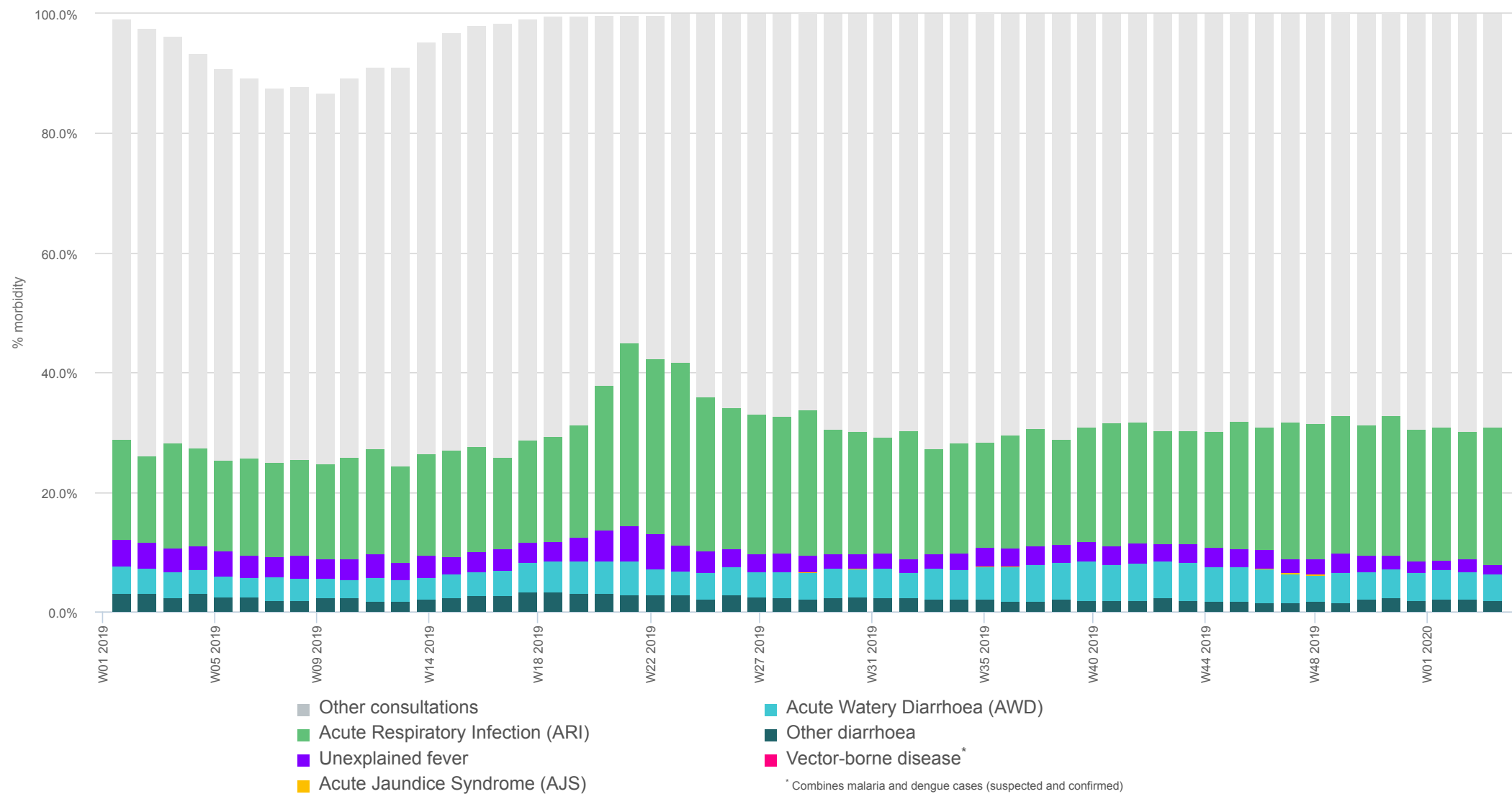
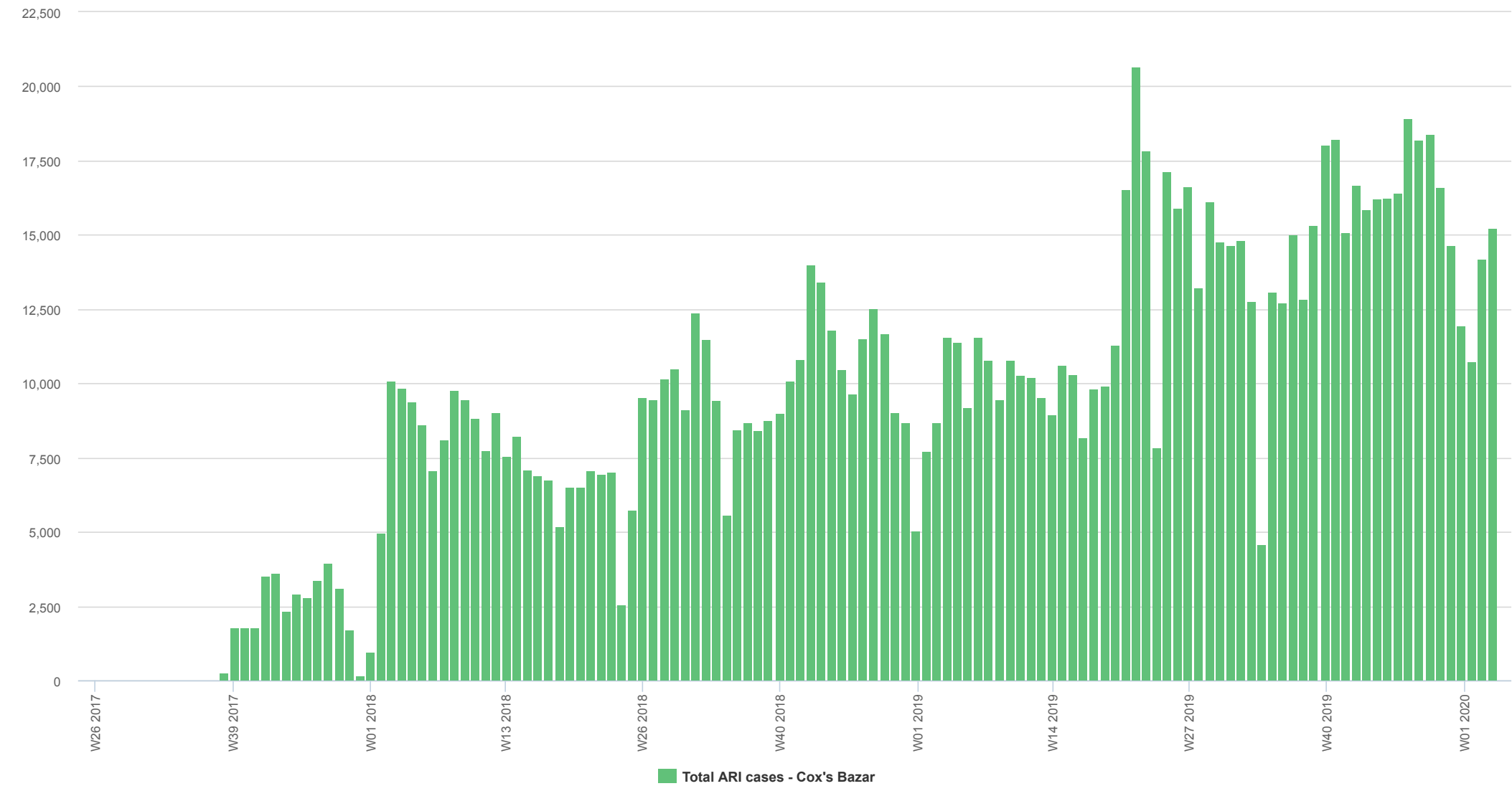
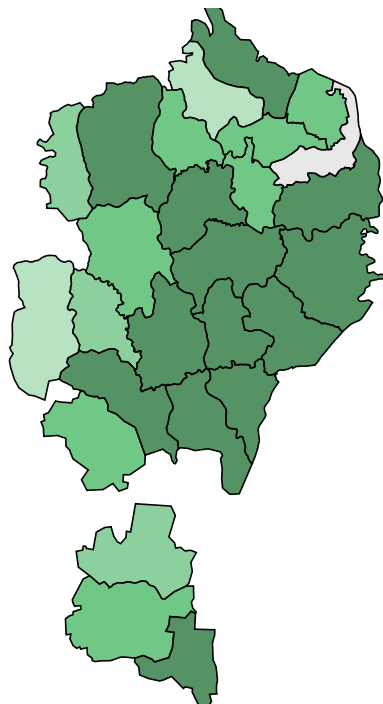


Figure 3 | Trend in number of cases over time (W38 2017 - W3 2020)

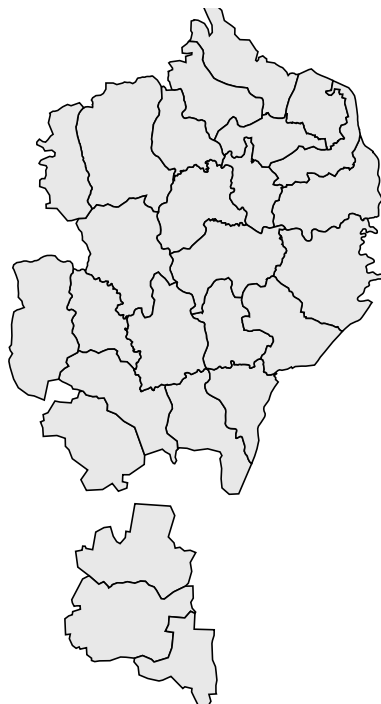


Map 1 | Map of cases by camp (W3 2020)

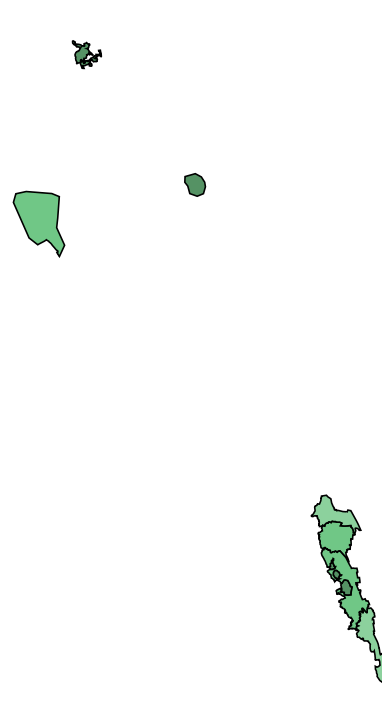
a. Ukhia | Number of cases



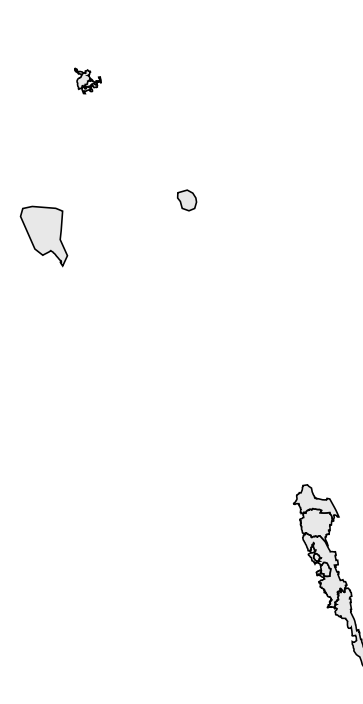
b. Ukhia | Number of alerts



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 (W3 2020)

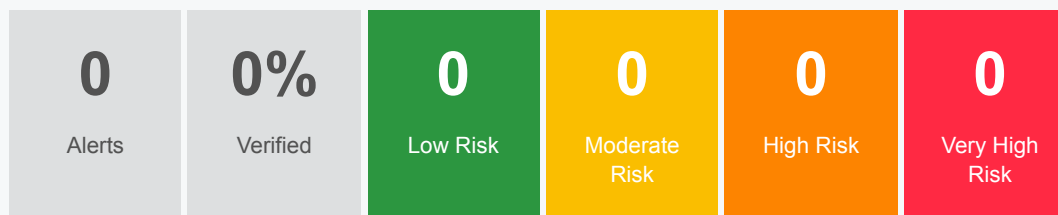
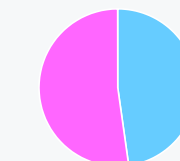
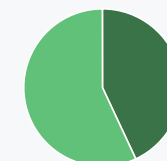


Figure | % sex



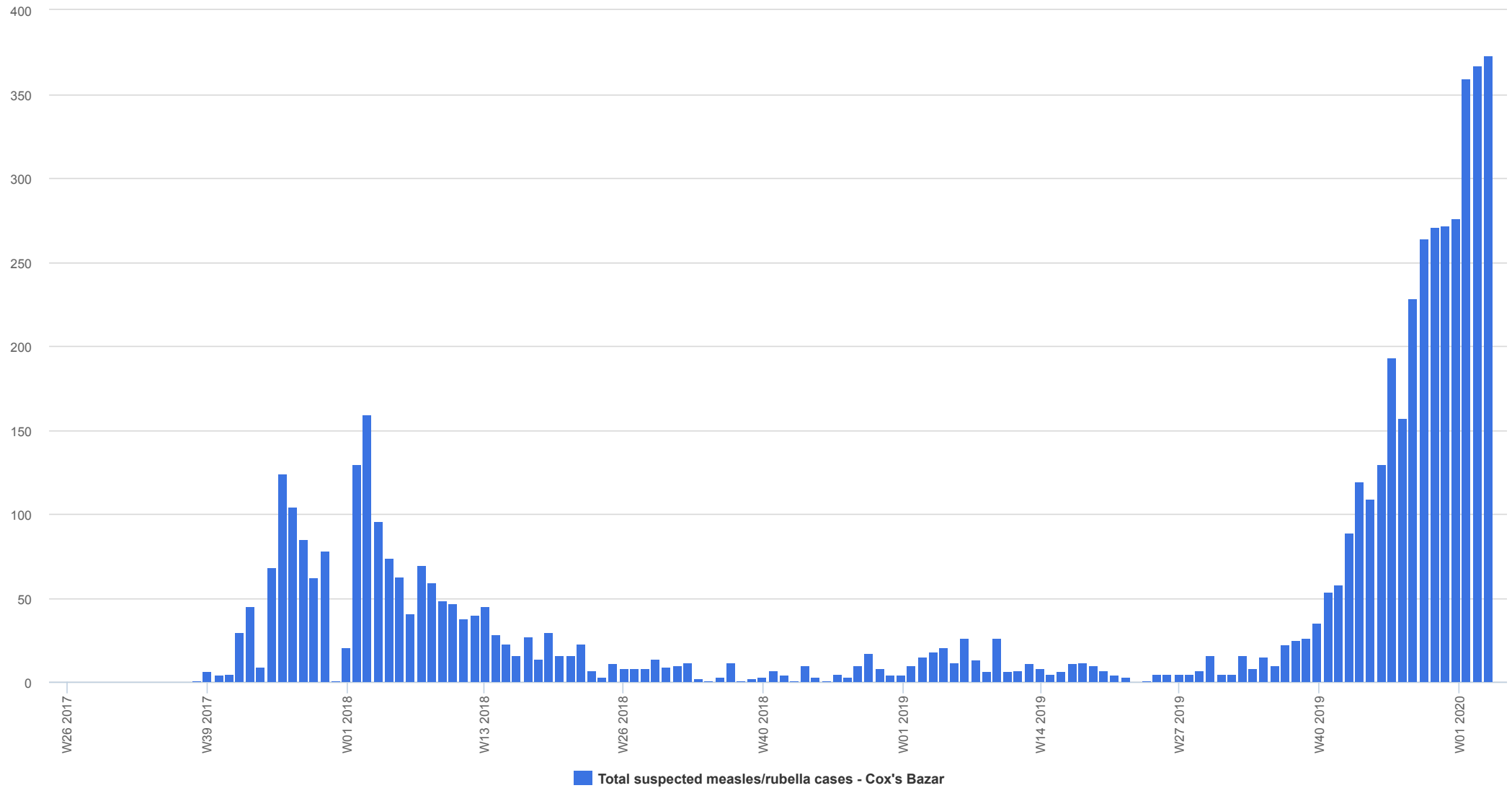
Male Female

Figure | % age



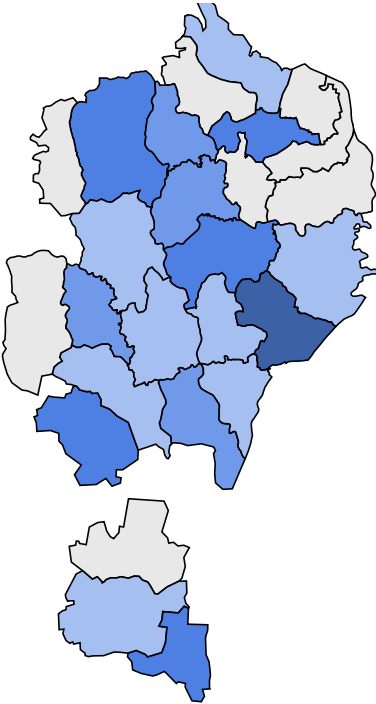
>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W3 2020)

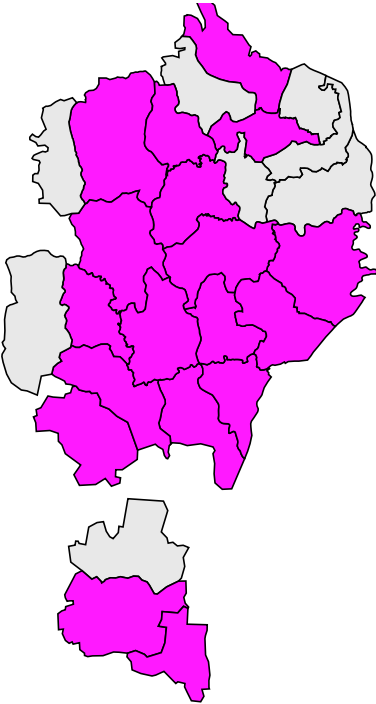


Map 2 | Map of cases by camp (W3 2020)

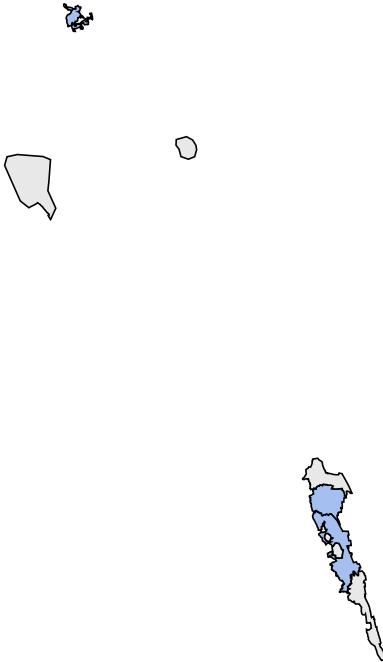
a. Ukhia | Number of cases



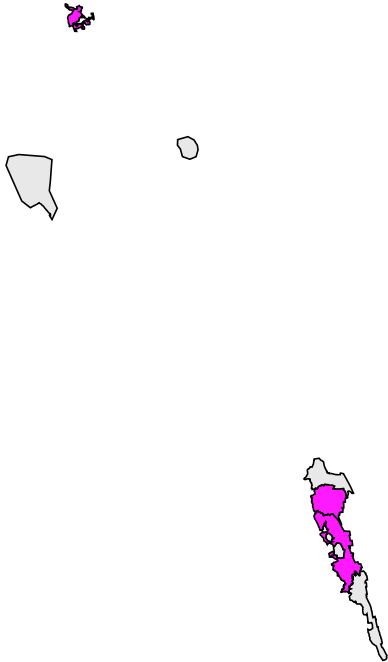
b. Ukhia | Number of alerts



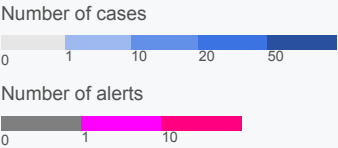
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W3 2020)

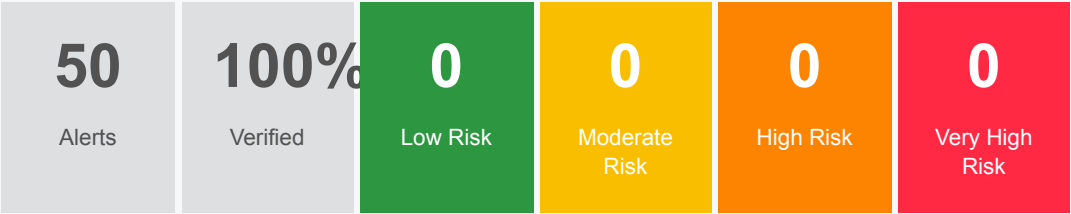


Figure | % sex

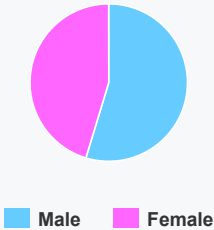
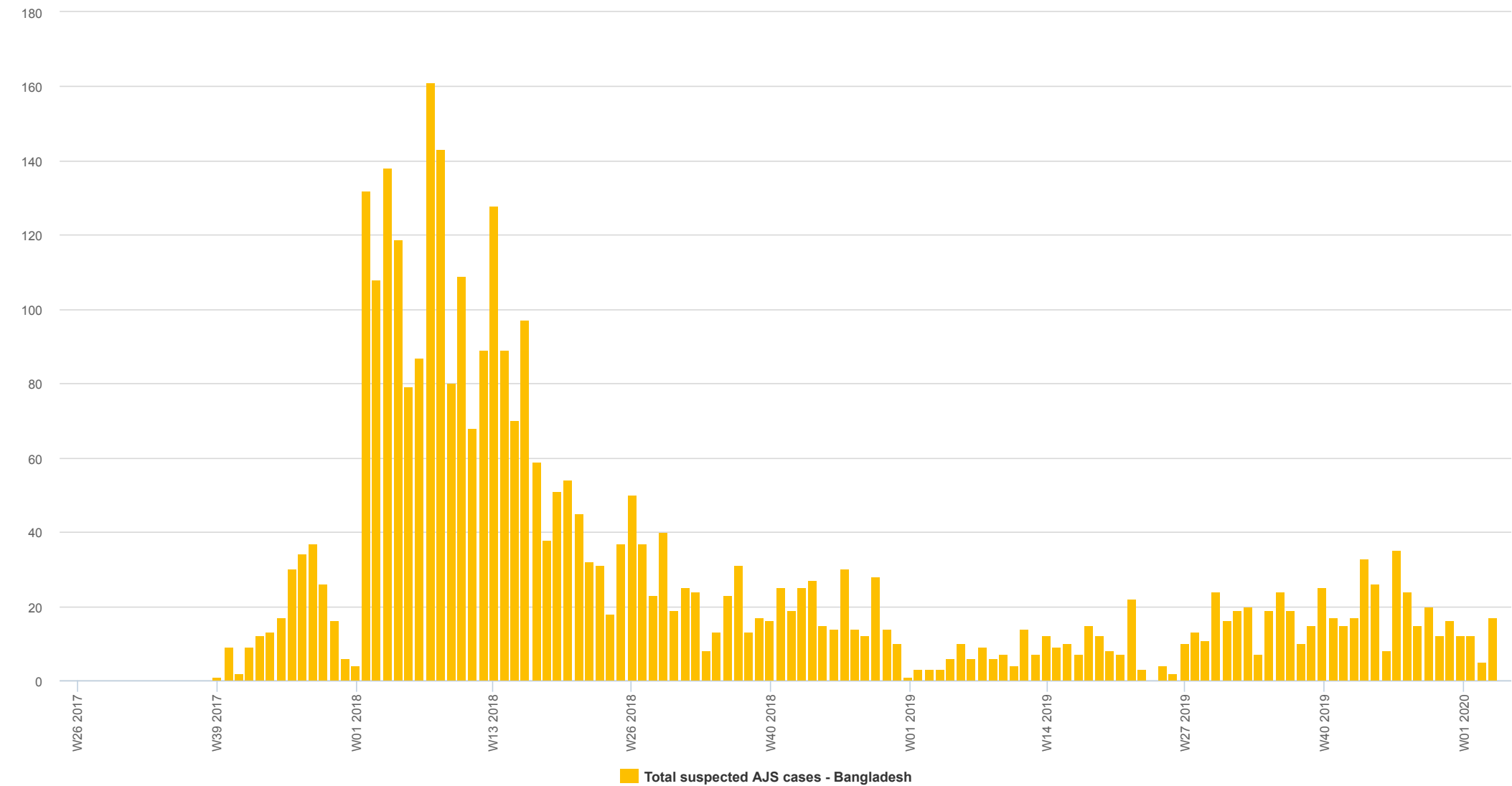


Figure | % age

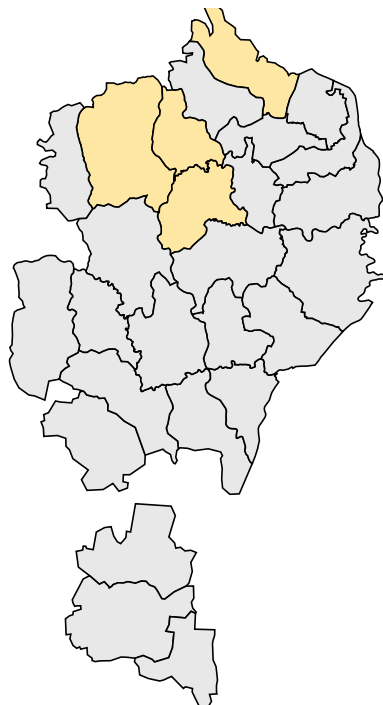


Figure 5 | Trend in number of cases over time (W38 2017 - W3 2020)

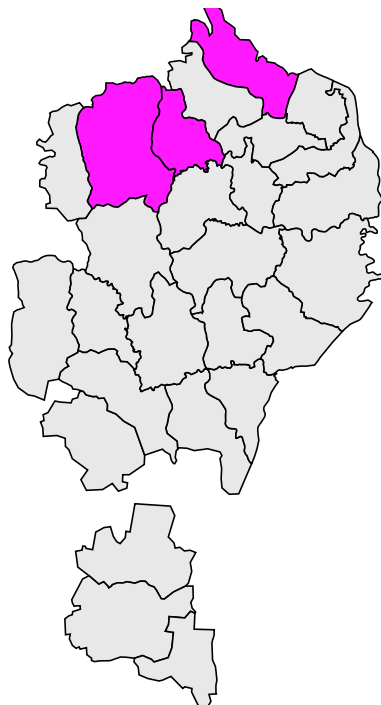


Map 3 | Map of cases by camp (W37 2017 - W3 2020)

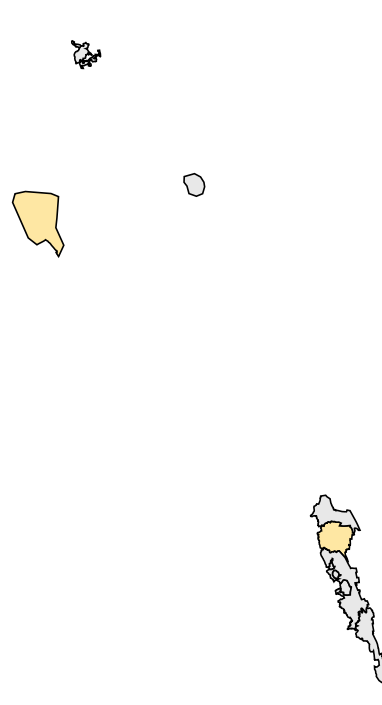
a. Ukhia | Number of cases



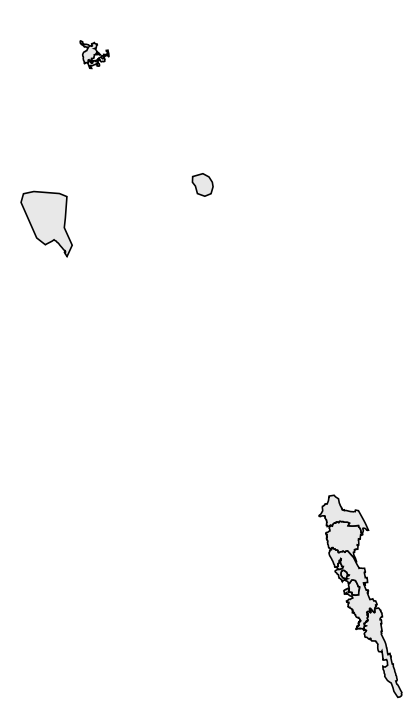
b. Ukhia | Number of alerts



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 (W3 2020)

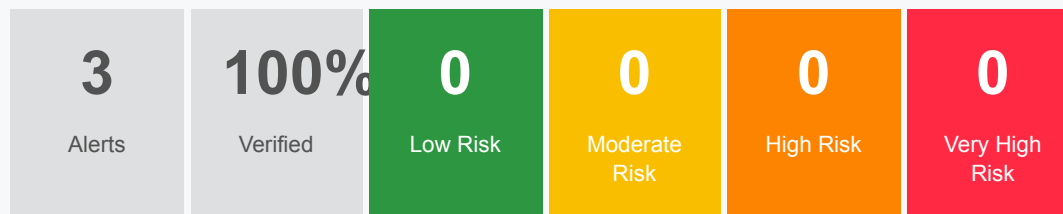
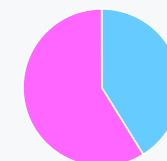
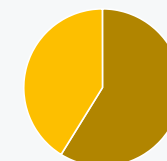


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W3 2020)

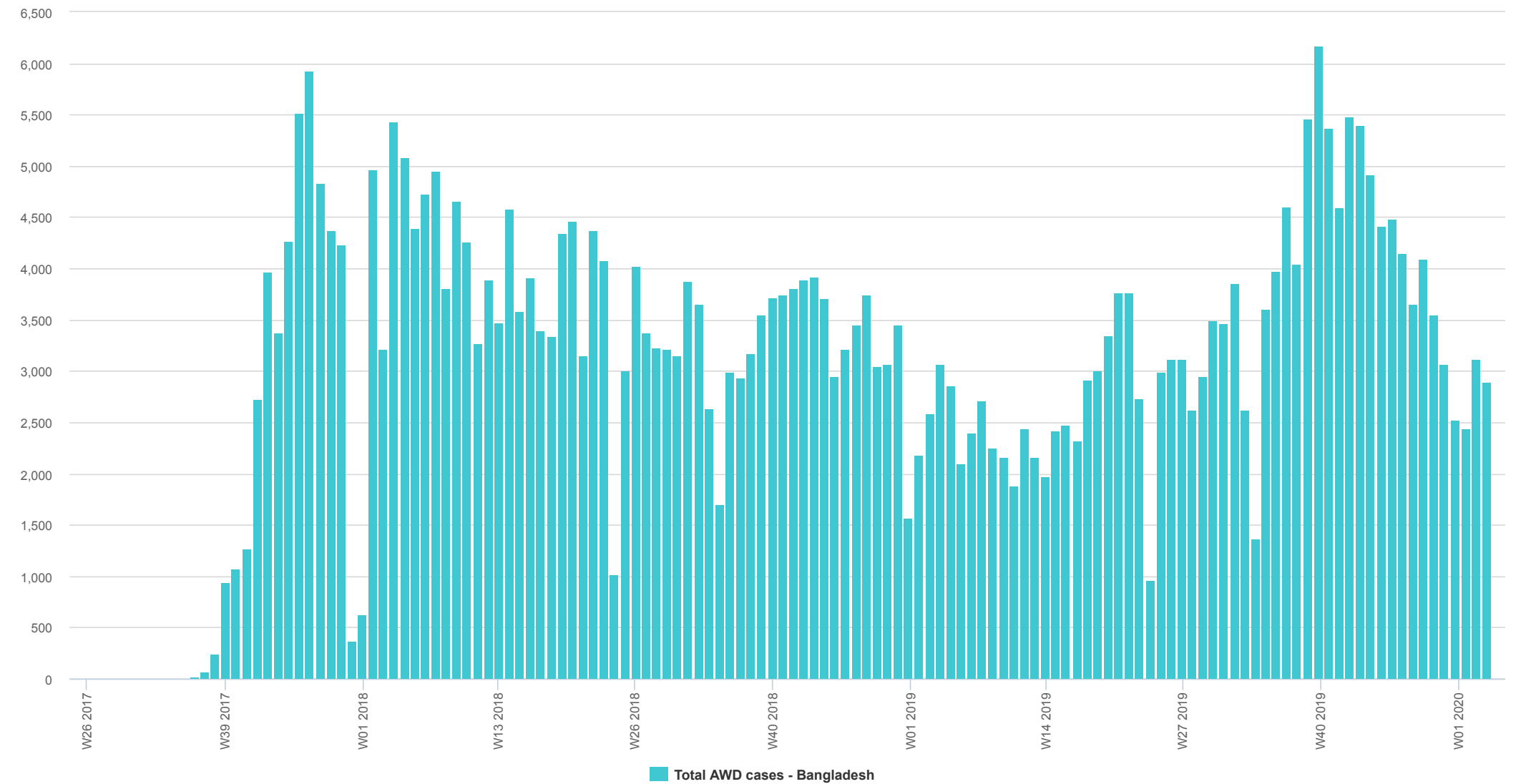
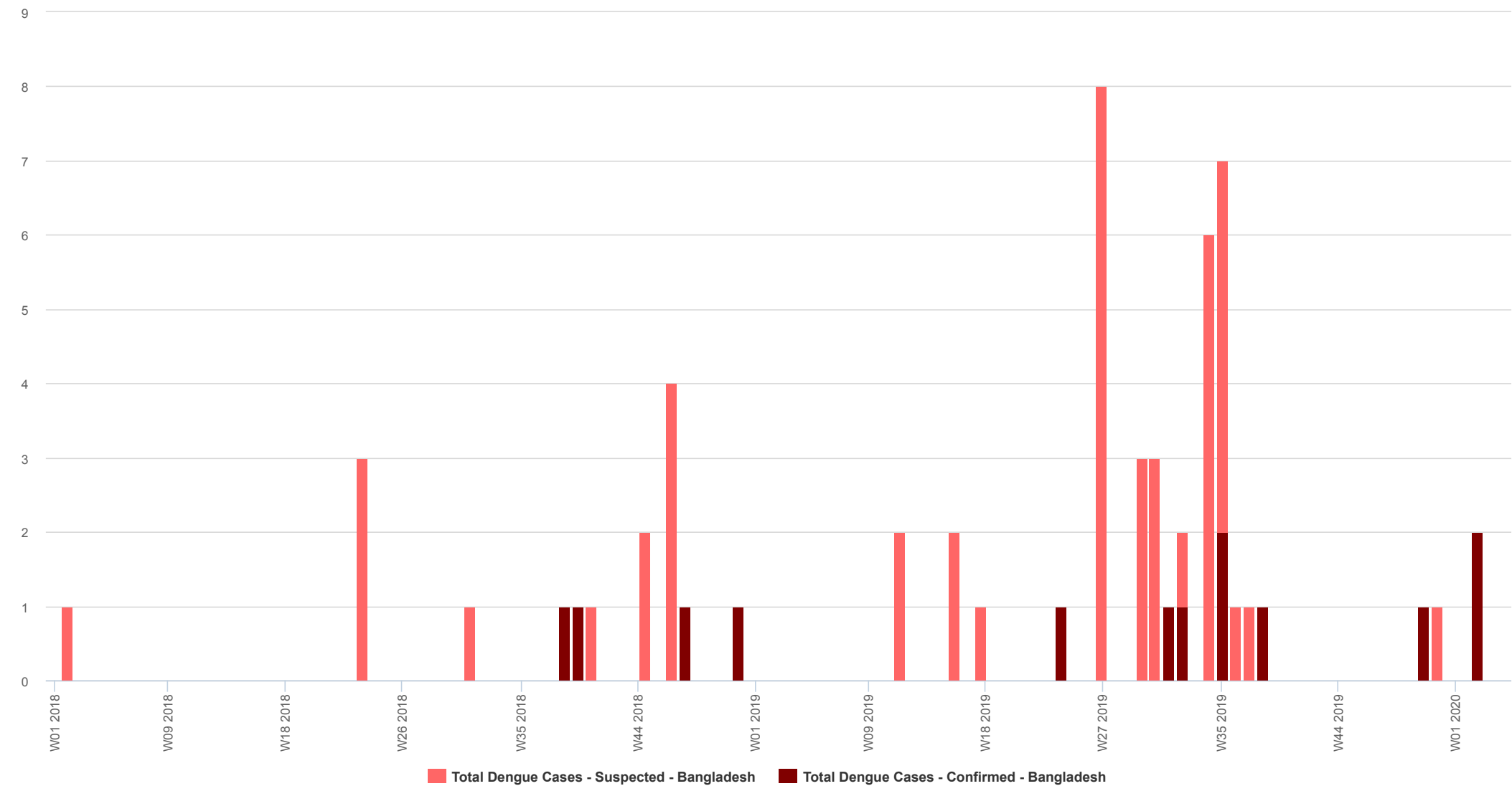


Figure 7 | Trend in number of cases over time (W38 2017 - W3 2020)



Map 4 | Map of cases by camp (W37 2017 - W3 2020)

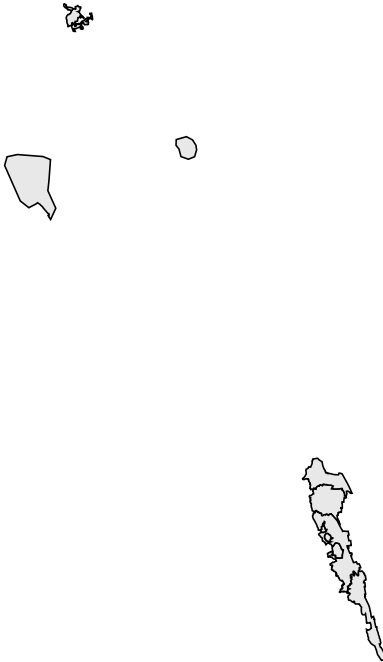
a. Ukhia | Number of cases



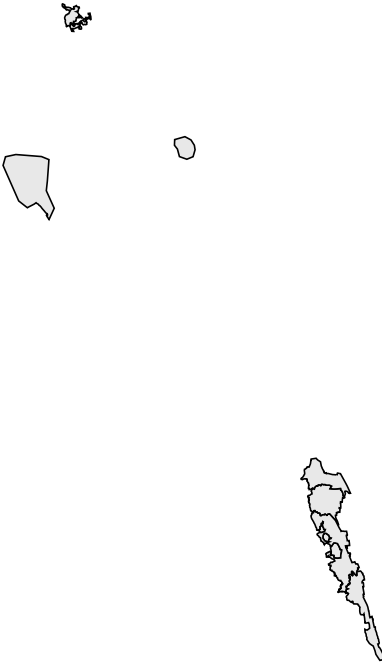
b. Ukhia | Number of alerts



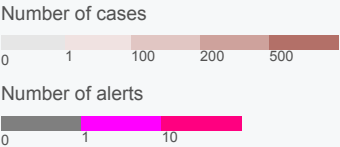
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W3 2020)

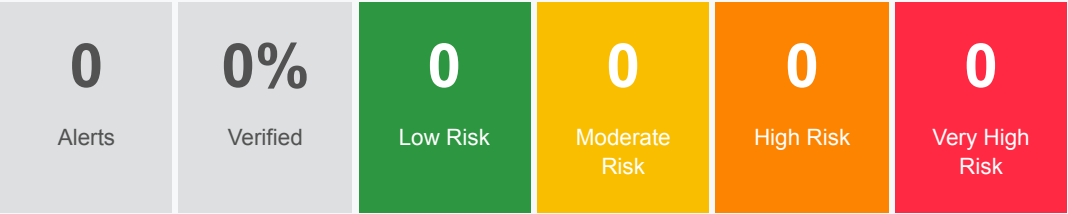


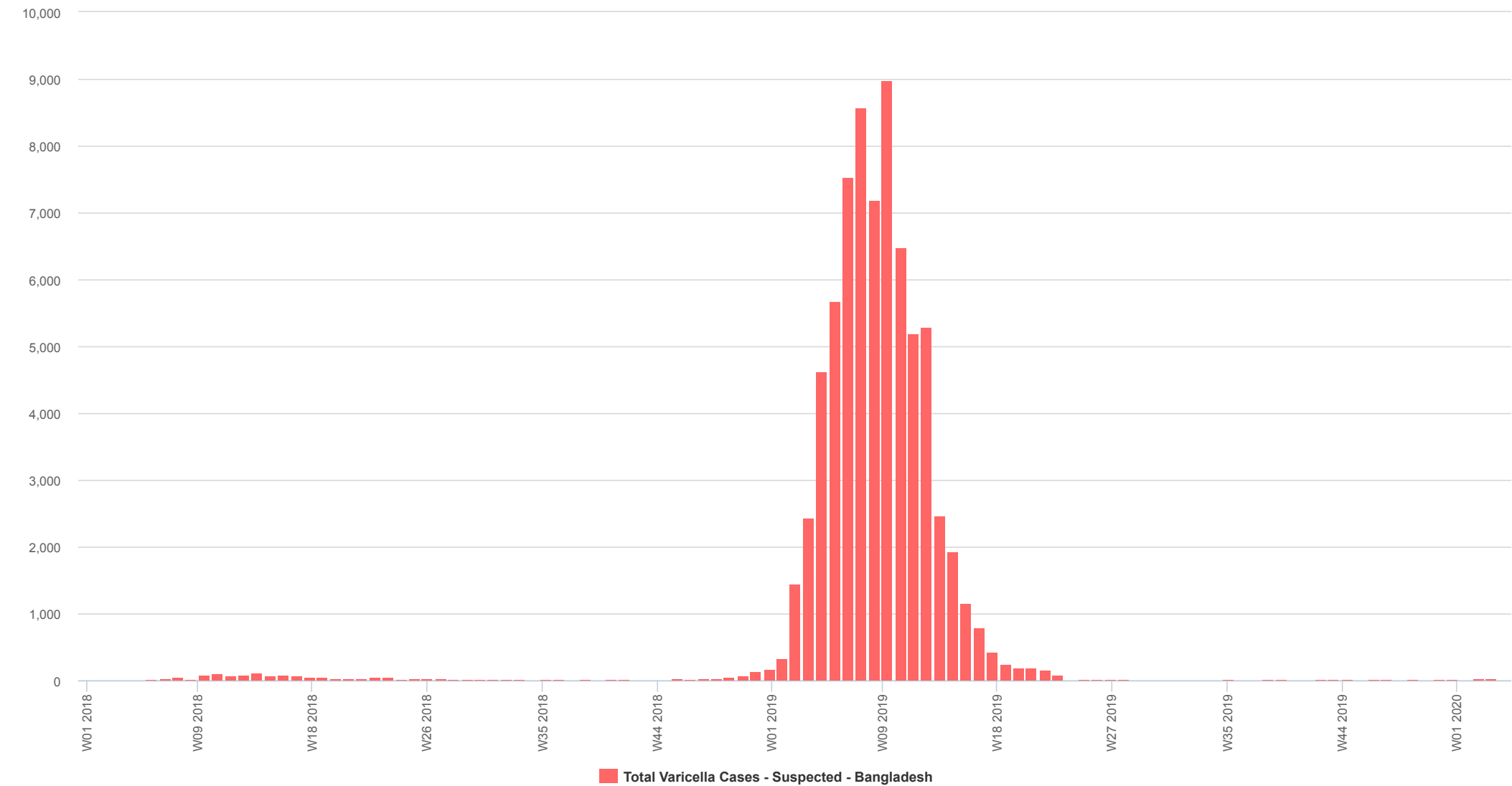
Figure | % sex



Figure | % age

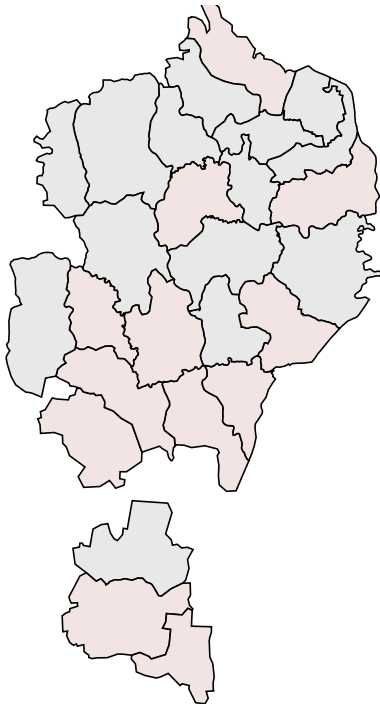


Figure 7 | Trend in number of cases over time (W38 2017 - W3 2020)

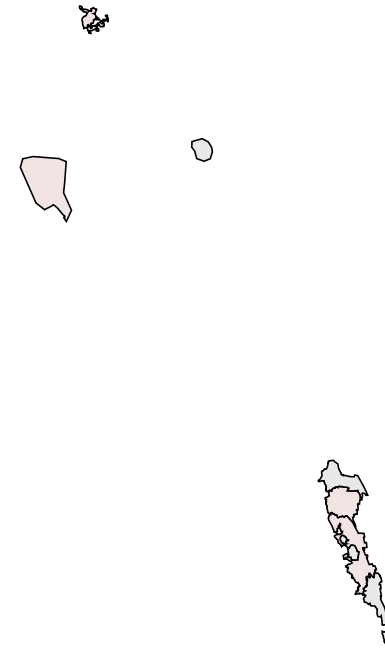


Map 4 | Map of cases by camp (W37 2017 - W3 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

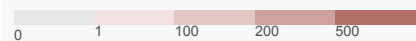


Figure | % sex

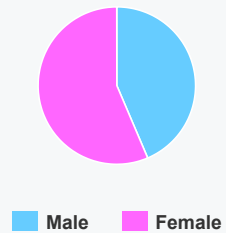
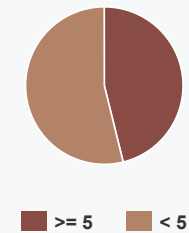


Figure | % age



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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