



Epidemiological Highlights

Week 11 (09 – 15 March 2020)



**World Health
Organization**

Highlights:

- Health sector COVID-19 preparedness and response readiness plan for Rohingya refugee and affected host populations has been reviewed and elaborated inline with 8 pillars detailing the activities and shared and review continued by health sector working group.
- Capacity building of health facilities has been taken in terms of COVID-19 surveillance, contact tracing and infection prevention and control.
- Rapid Investigation Team staffing and training will be taken place soon.
- Acute Respiratory Infection (23.7%), Diarrheal Diseases (5.6%) & Unexplained Fever (1.9%) are the diseases with highest proportional morbidity in week 11. Injury/wounds shows increasing trend (2.3%) over last couple of months.

EWARS Reporting Updates

- Total 143/166 (86%) health facilities registered in EWARS
- Only 118/143 weekly reports received in week 11.
- Completeness and Timeliness for this week is 78%.
- In 2020 cumulative completeness and timeliness of reporting is 92% and 83% respectively
- Total 55 alerts were triggered in week 11. All alerts were reviewed and verified (46 under monitoring and 9 discarded) by WHO EWARS team which is less than as of previous week (73).

Diphtheria

13 suspected diphtheria case reported in go.data in week 11

A total of 9 064 case-patients were reported since 2017 to till date

- Confirmed = 327
- Probable = 2785
- Suspected = 5952

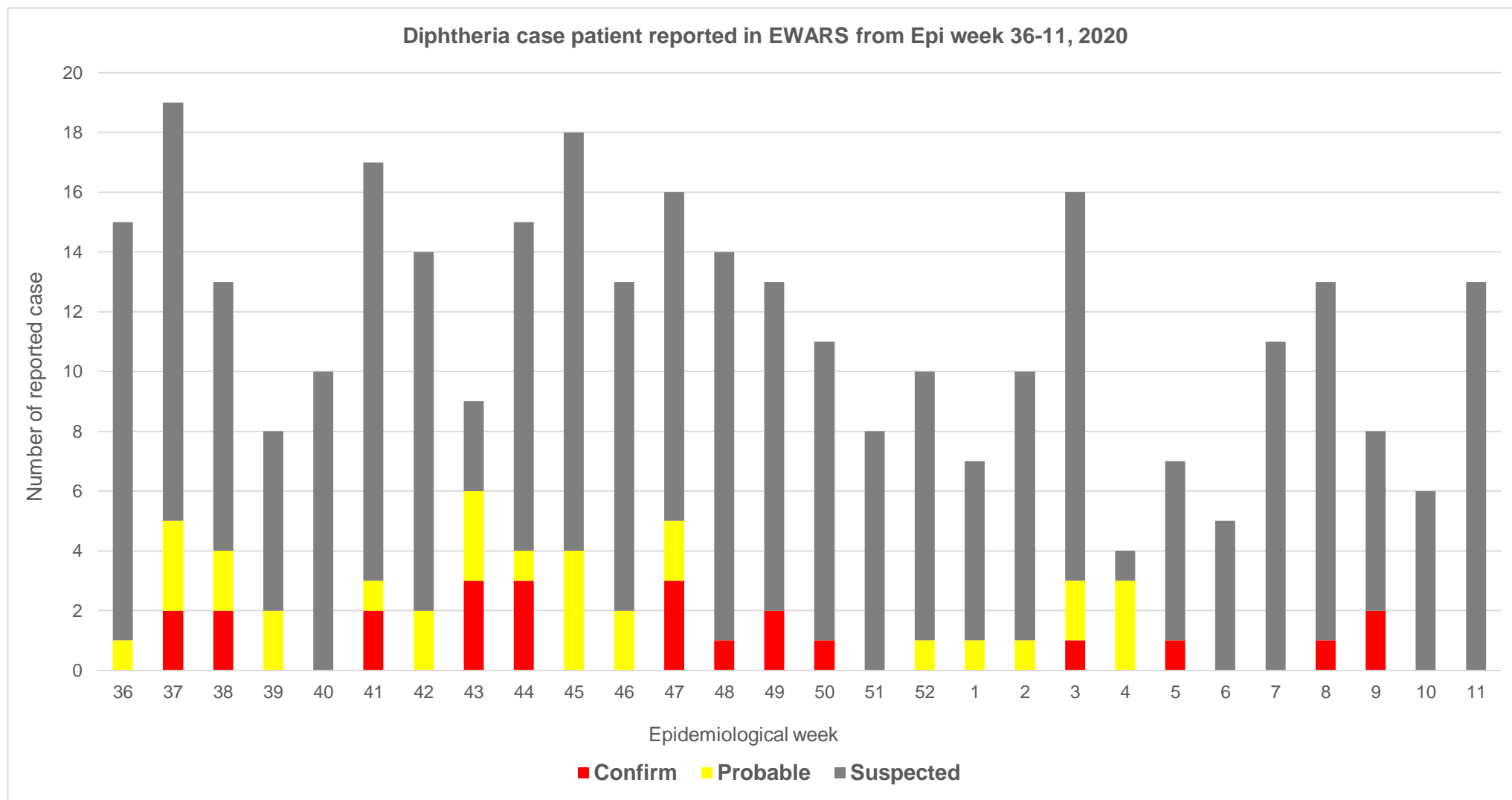
Total Case reported in 2020 = 100

- Confirmed = 5
- Probable = 7
- Suspected = 88

Last confirmed case was reported in Week 9 (01 March 2020)

Total deaths reported is 46. Last death was reported on 25 October 2019

Diphtheria

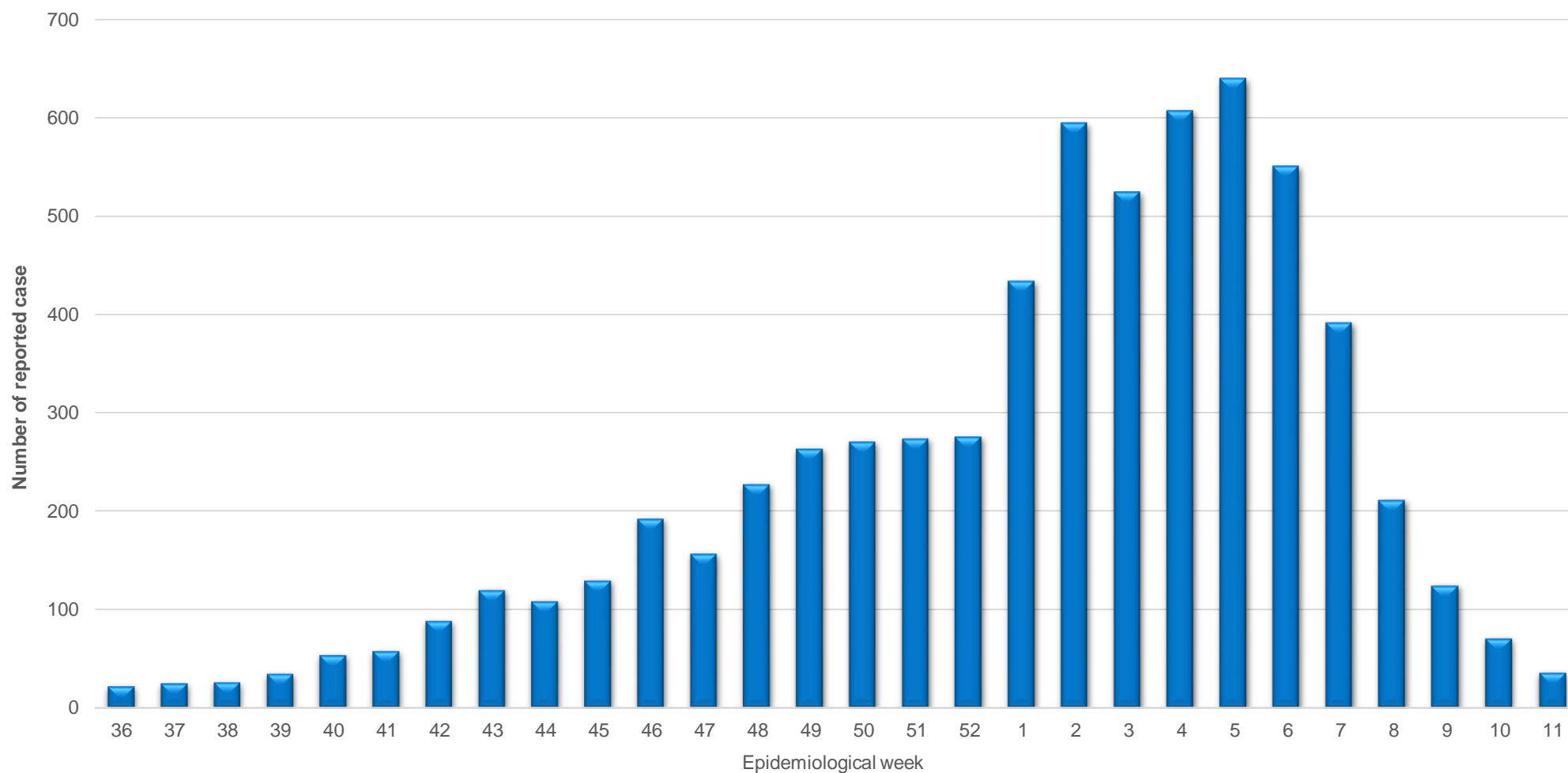


Measles

- Total 36 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 11
- In last five weeks number of cases showed a decreasing trend
- 2,355 (56%) individual case report forms (CRF) were received out of total 4,188 cases reported through aggregated weekly report in EWARS in 2020

Measles

Total number of Measles case reported in EWARS from week 36-11, 2020



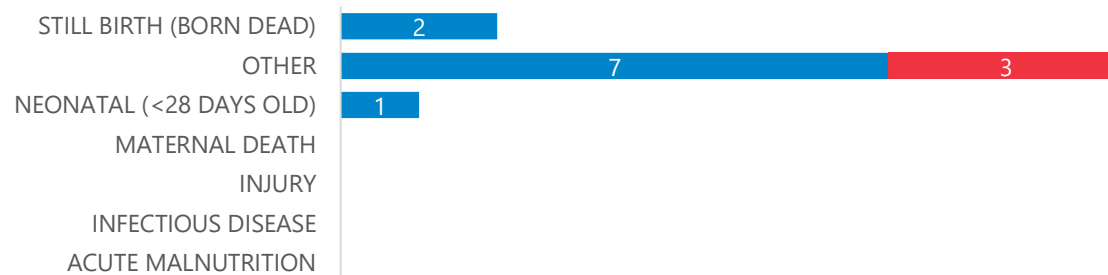
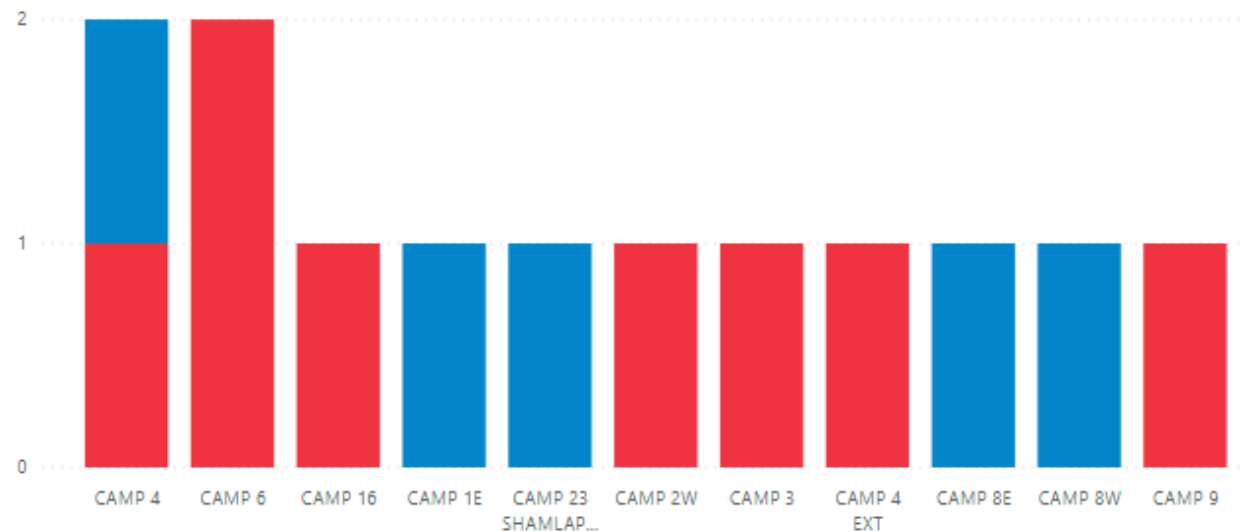
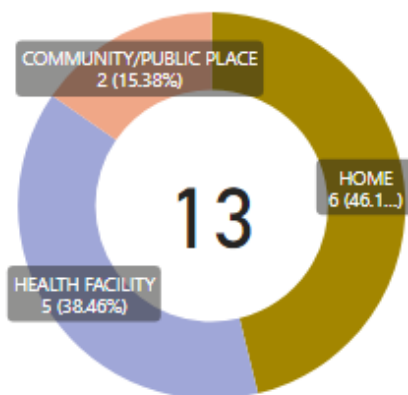
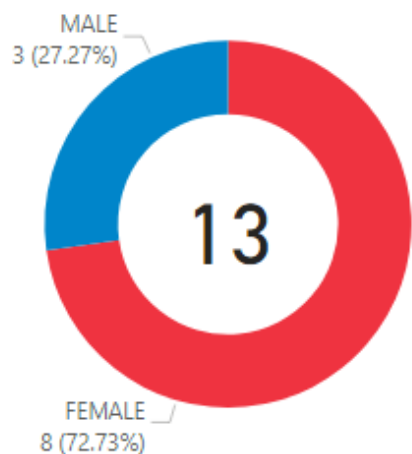
Diarrhoeal Disease

- A total 4 594 cases of diarrhoeal diseases reported in EWARS in week 11
- Among which 2,275 cases (3.5%) reported as acute watery diarrhoea (AWD), 1,005 (1.6%) and 314 (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 surveillance

- In week 11 total of 13 deaths were recorded. 10 were due to causes classified as “Others” , 1 neonatal death and 2 still birth
- There were a total of 2 mortality alert raised for women of reproductive age (12-49 years).
- 5 death was reported from health facility, 2 from community and 6 from home
- 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



■ FEMALE ■ MALE

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W11 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



HEALTH SECTOR
COX'S BAZAR



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Sources of data

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

Highlights W11 2020

Table 1 | Coverage

#	%	
854,704	-	Estimated total Rohingya population ¹
854,704	100%	Total population under surveillance
166	-	Total number of health facilities
143	86%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W11	Cumulative (2020)	
118	1510	Number of weekly reports received
78%	92%	Completeness
78%	83%	Timeliness

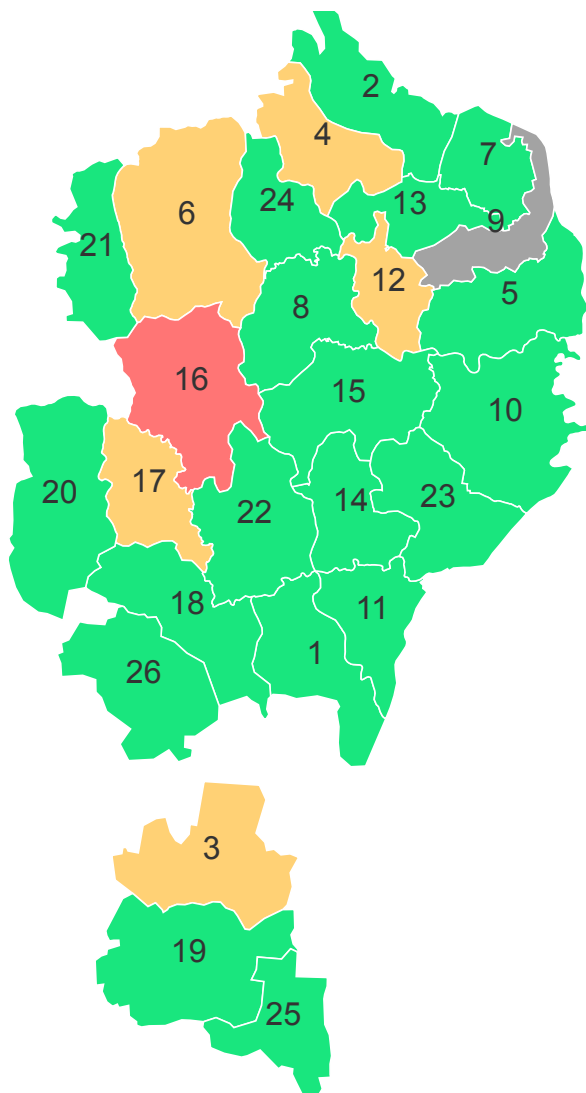
Table 3 Alert performance indicators

W11	Cumulative (2020)	
55	888	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

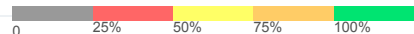
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2019.

Map 1a | Ukhia completeness by camp

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

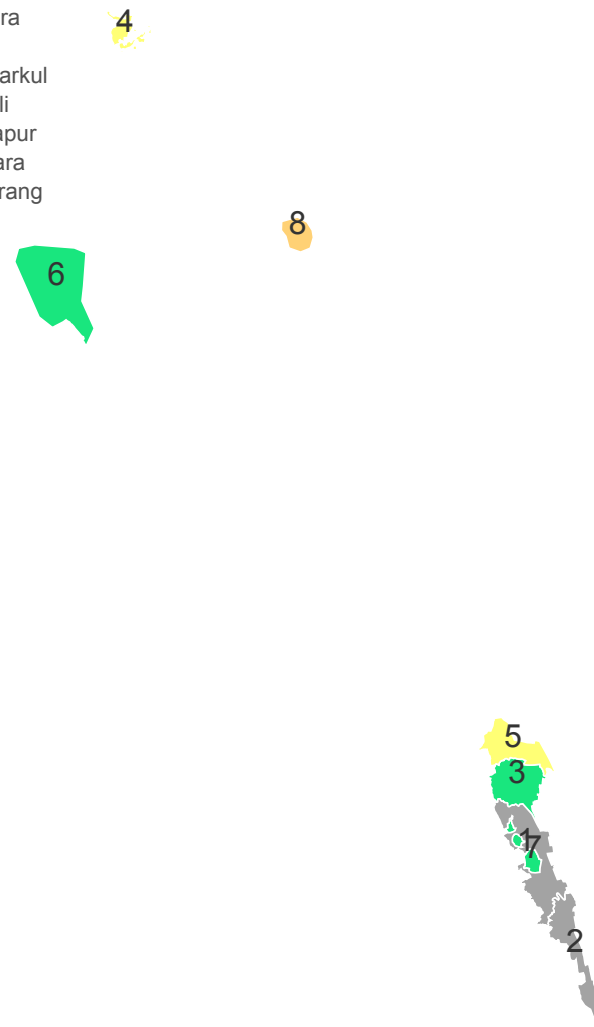


Completeness



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 (W11 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	6	5	83%	83%
Camp 4	6	4	60%	60%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	5	100%	100%
Camp 6	3	2	67%	67%
Camp 7	5	4	100%	100%
Camp 8E	7	6	100%	100%
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

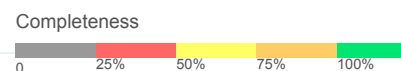
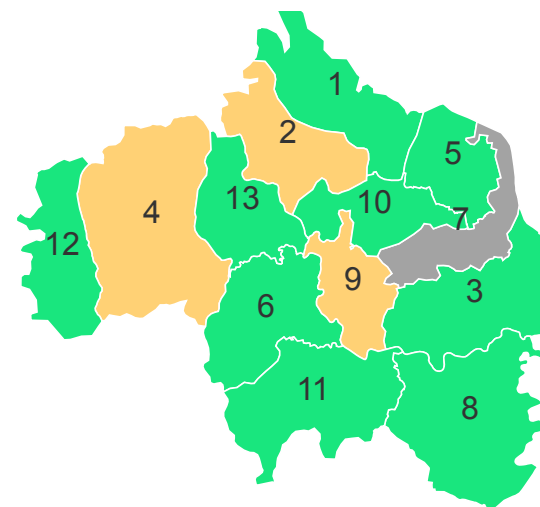


Table 5 | Performance by camp (W11 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	4	100%	100%
Camp 11	10	10	100%	100%
Camp 12	7	7	100%	100%
Camp 13	12	8	78%	78%
Camp 14	8	5	63%	63%
Camp 15	10	8	88%	88%
Camp 16	5	5	100%	100%
Camp 17	5	1	20%	20%
Camp 18	5	4	80%	80%
Camp 19	5	4	80%	80%
Camp 20	3	2	67%	67%
Camp 20 Ext	1	1	100%	100%
Camp 9	6	3	75%	75%

Map 3 | Completeness by camp

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

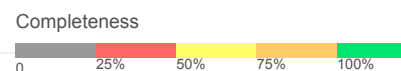
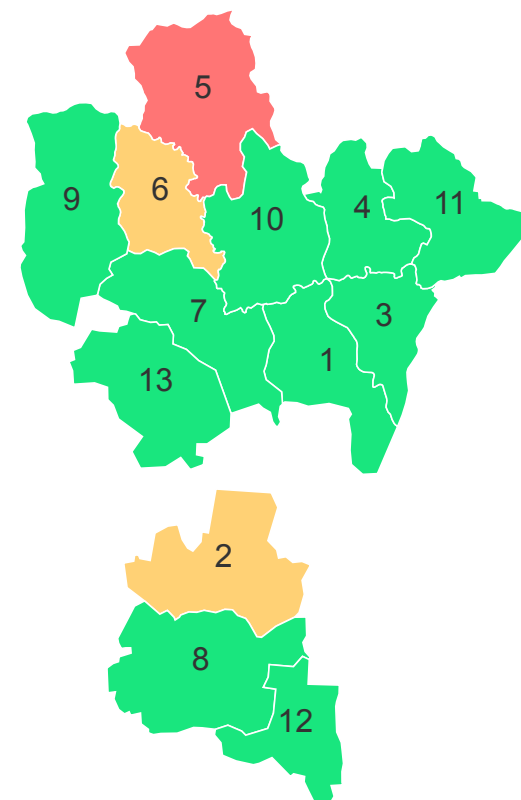
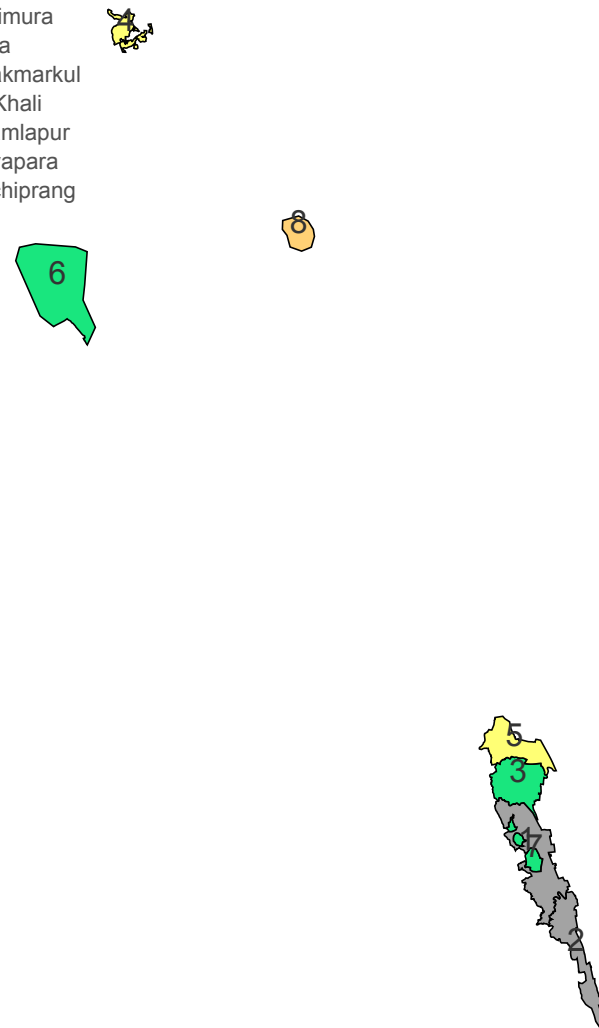


Table 6 | Performance by camp (W11 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	2	33%	33%
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	3	1	33%	33%
Camp 26 Nayapara	1	0	0%	0%
Camp 27 Jadimura	1	0	0%	0%
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 (W11 2020)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	4	6	150%	150%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	1	0	0%	0%
FRNDS	12	12	100%	100%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	16	15	94%	94%
IRC	2	1	50%	50%
MSF	9	6	67%	67%
MoH	0	1	0%	0%
Hope	2	2	100%	100%
Medair	1	1	100%	100%

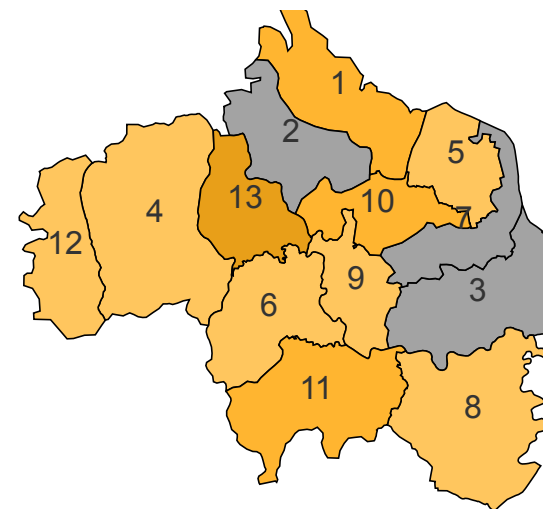
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	4	4	100%	100%
PHD	9	9	100%	100%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	7	5	71%	71%
SCI	9	0	0%	0%
TdH	1	0	0%	0%

Table 8 | Performance by camp

Northern group	W11		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	4	100%	28	100%
Camp 1W	0	0%	8	100%
Camp 2E	0	0%	18	100%
Camp 2W	3	100%	16	100%
Camp 3	6	100%	65	100%
Camp 4	2	100%	64	100%
Camp 4 Ext	1	100%	8	100%
Camp 5	2	100%	46	100%
Camp 6	1	100%	7	100%
Camp 7	0	0%	7	100%
Camp 8E	1	100%	15	100%
Camp 8W	4	100%	47	100%
Kutupalong RC	2	100%	6	100%

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

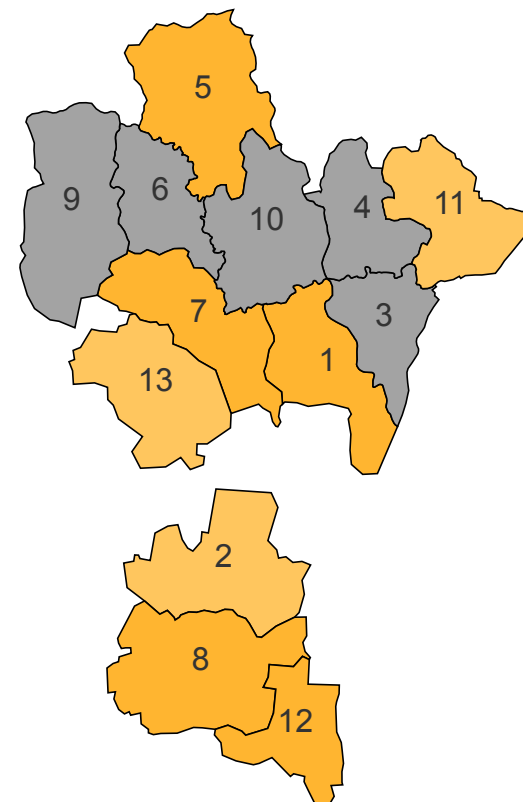


Table 9 | Performance by camp

Southern group	W11		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	0	0%	24	100%
Camp 11	0	0%	36	100%
Camp 12	4	100%	57	100%
Camp 13	2	100%	33	100%
Camp 14	2	100%	37	100%
Camp 15	3	100%	49	100%
Camp 16	3	100%	49	100%
Camp 17	4	100%	24	100%
Camp 18	0	0%	31	100%
Camp 19	3	100%	36	100%
Camp 20	0	0%	28	100%
Camp 20 Ext	0	0%	4	100%
Camp 9	2	100%	32	100%

Map 6 | Number of alerts by camp

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



of alerts



Table 10 | Performance by camp

Teknaf	W11		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	0	0%	24	100%
Camp 22 Unchiprang	0	0%	3	100%
Camp 23 Shamlapur	0	0%	9	100%
Camp 24 Leda	1	100%	14	100%
Camp 25 Ali Khali	0	0%	3	100%
Camp 26 Nayapara	0	0%	34	100%
Camp 27 Jadimura	0	0%	9	100%
Nayapara RC	1	100%	5	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	W11		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	19	100%	546	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	5	100%
Meningitis	2	100%	9	100%
Haem. fever (susp.)	2	100%	7	100%
NNT	0	0%	1	100%
Unexp. fever	3	100%	50	100%
AWD	3	100%	46	100%
ARI	3	100%	45	100%
AJS	3	100%	31	100%
Varicella (Susp.)	1	100%	5	100%
Event-based surveillance				
EBS total	1	100%	58	100%

Table 12 | Risk assessment

W11	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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World Health Organization
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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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Global
EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W11 2020



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Welfare Bangladesh



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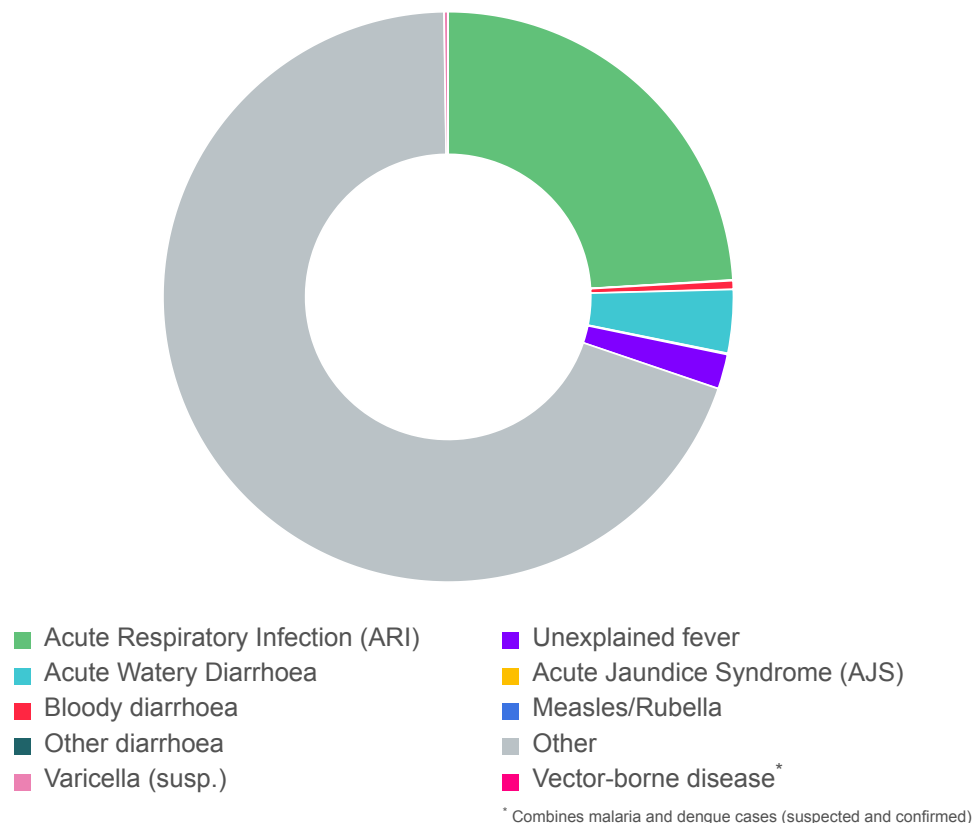
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Proportional morbidity

Figure 1 | Proportional morbidity (W11 2020)



Disease	W11		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,275	3.5%	33,683	4.2%
Bloody diarr.	314	0.5%	4,945	0.6%
Other diarr.	1,005	1.6%	15,546	2.0%
Susp. Varicella	144	0.2%	760	0.1%
ARI	15,189	23.7%	191,232	24.0%
Measles/Rub.	36	0.1%	4,188	0.5%
AFP	0	0.0%	5	0.0%
Susp. menin.	8	0.0%	27	0.0%
AJS	21	0.0%	266	0.0%
Susp. HF	0	0.0%	12	0.0%
Neo. tetanus	0	0.0%	1	0.0%
Adult tetanus	0	0.0%	0	0.0%
Malaria (conf.)	0	0.0%	5	0.0%
Malaria (susp.)	0	0.0%	131	0.0%
Dengue (conf.)	0	0.0%	2	0.0%
Dengue (susp.)	0	0.0%	2	0.0%
Unexpl. fever	1,245	1.9%	15,602	2.0%
Sev. Malnut.	26	0.0%	432	0.1%
Inj./Wounds	1,486	2.3%	19,365	2.4%
Other	42,400	66.1%	509,418	64.0%
Total	62,935	100%	795,920	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W11)

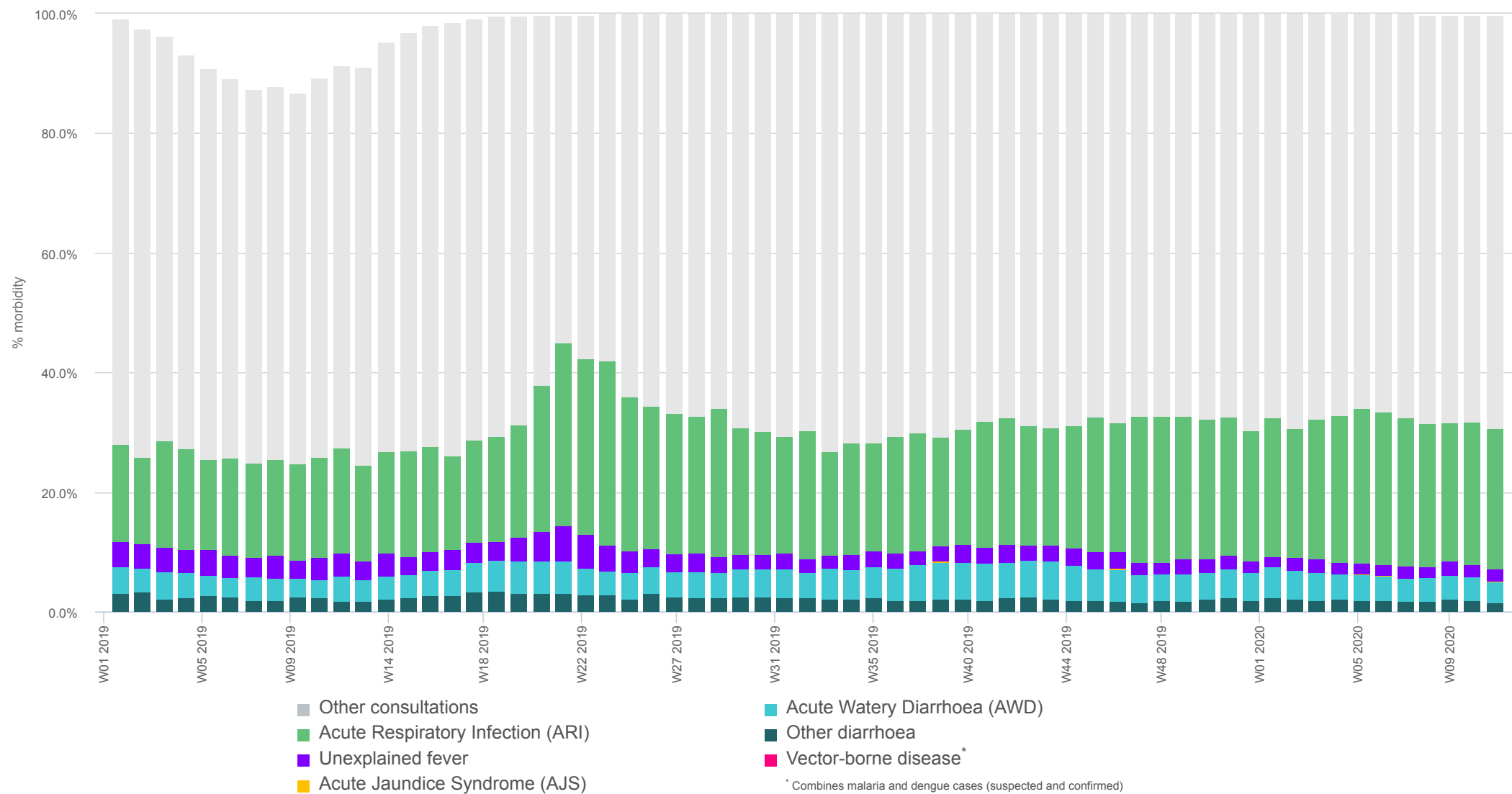
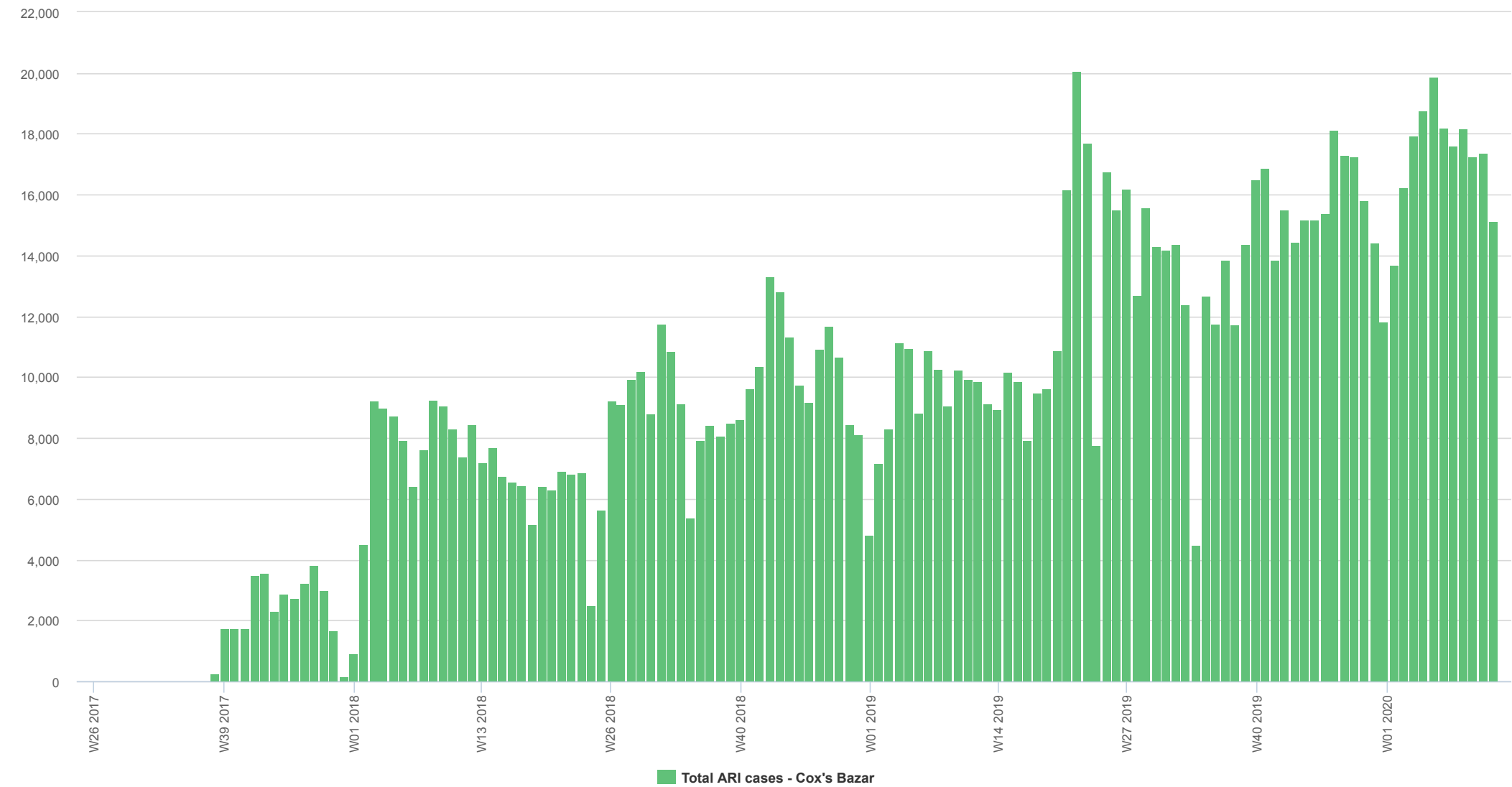
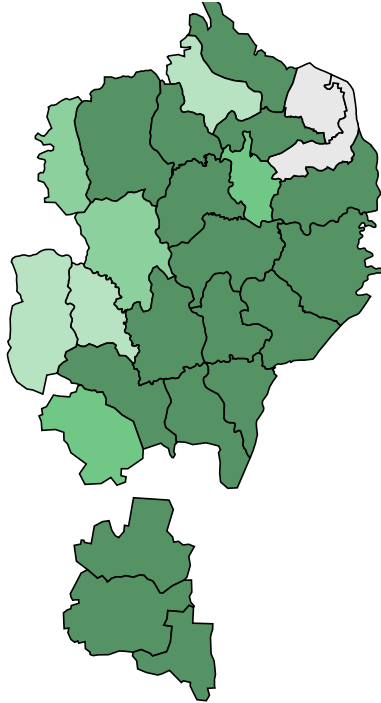


Figure 3 | Trend in number of cases over time (W38 2017 - W11 2020)

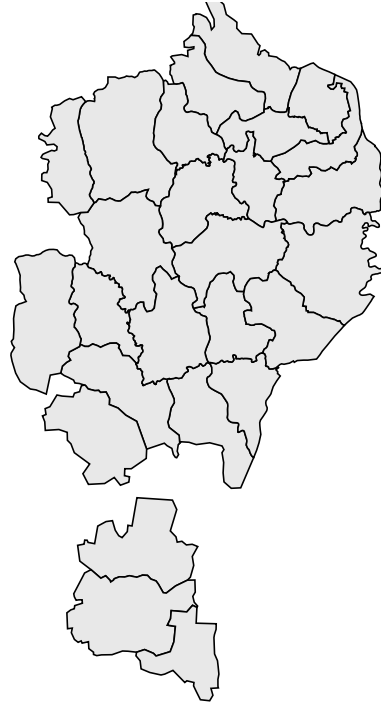


Map 1 | Map of cases by camp (W11 2020)

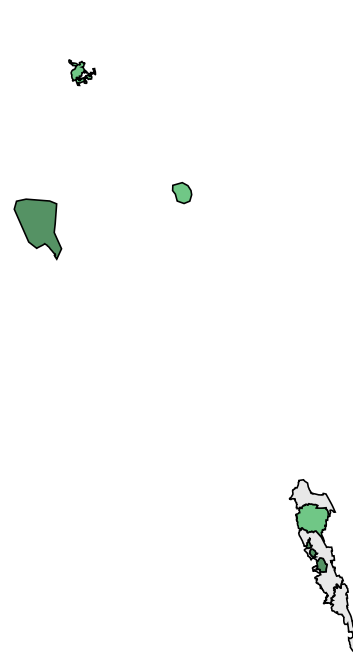
a. Ukhia | Number of cases



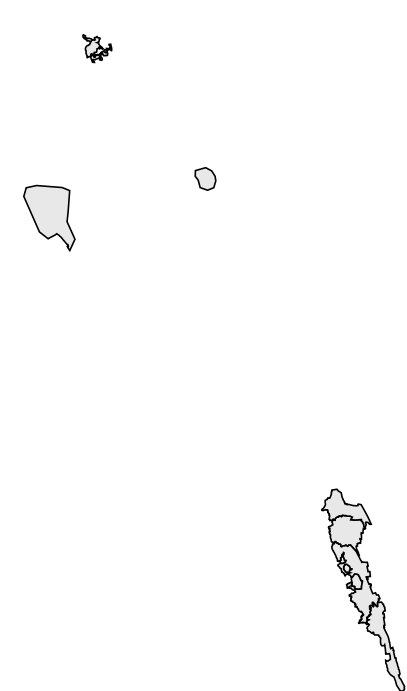
b. Ukhia | Number of alerts



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 (W11 2020)

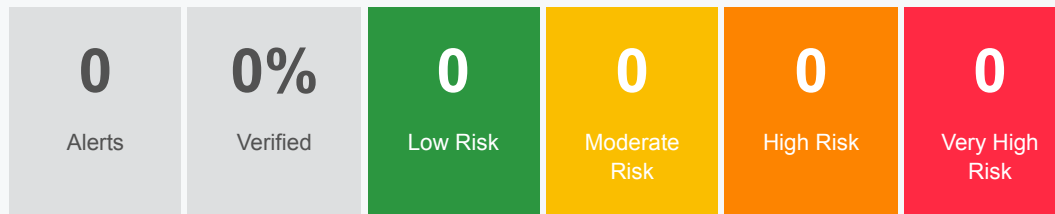
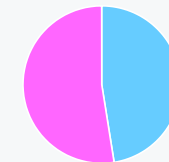
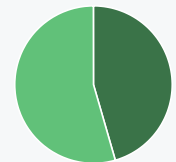


Figure | % sex



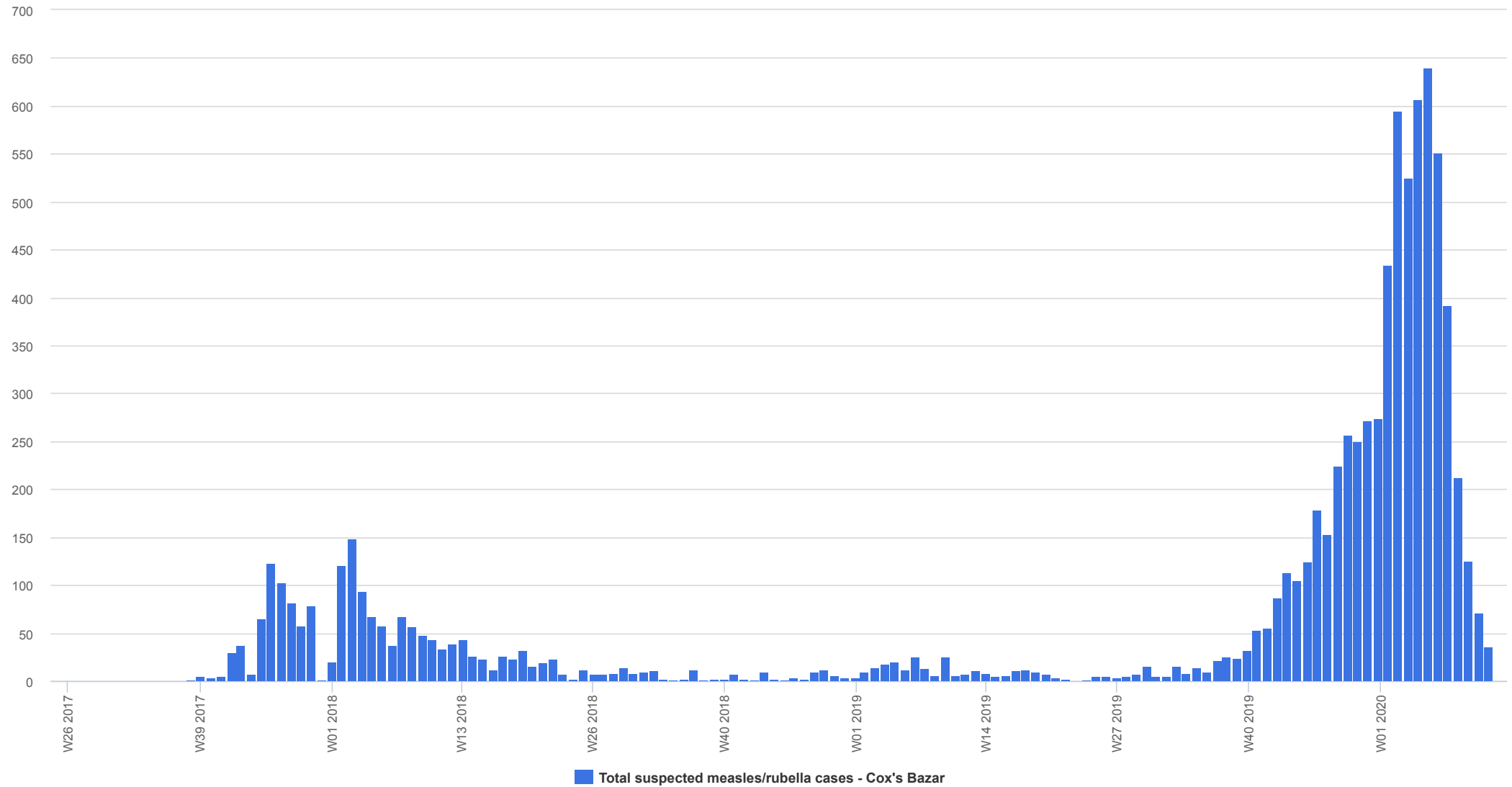
Male Female

Figure | % age



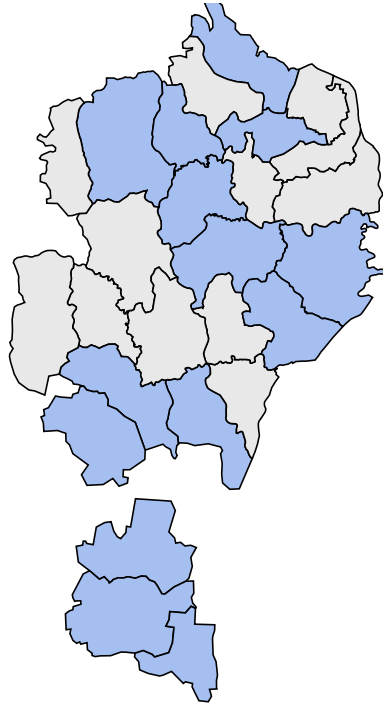
>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W11 2020)

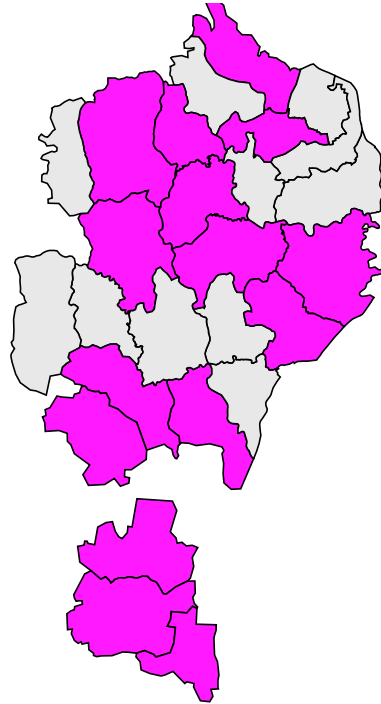


Map 2 | Map of cases by camp (W11 2020)

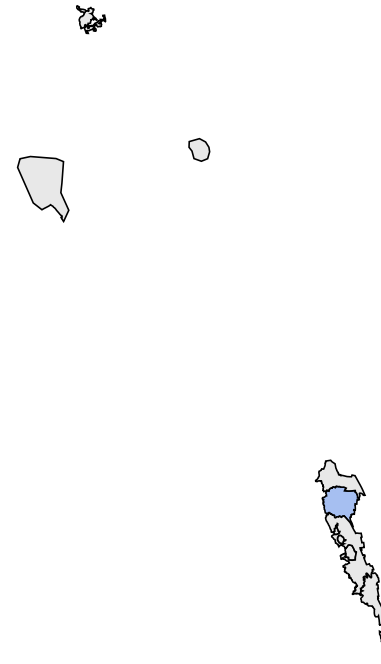
a. Ukhia | Number of cases



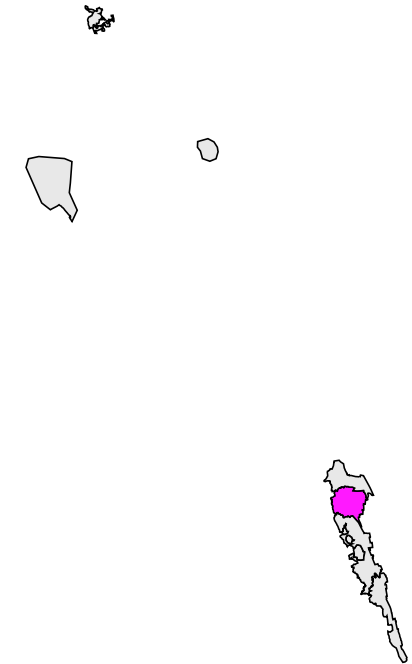
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

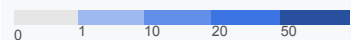


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



Alert threshold

1 case. Source: IEDCR

Alert management (W11 2020)

19

Alerts

100%

Verified

0

Low Risk

0

Moderate Risk

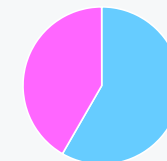
0

High Risk

0

Very High Risk

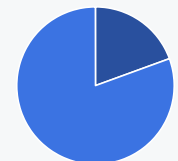
Figure | % sex



Male

Female

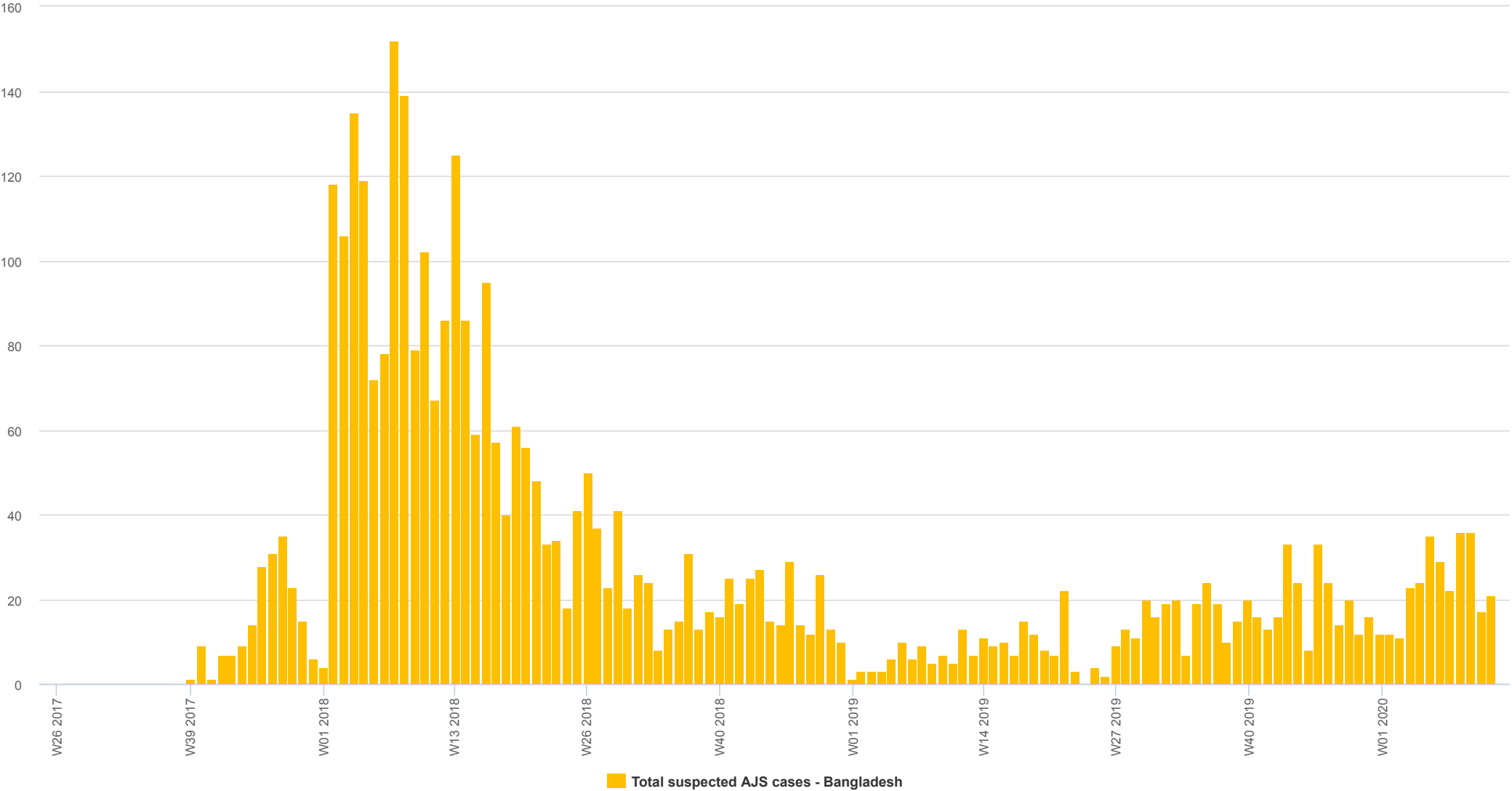
Figure | % age



>= 5

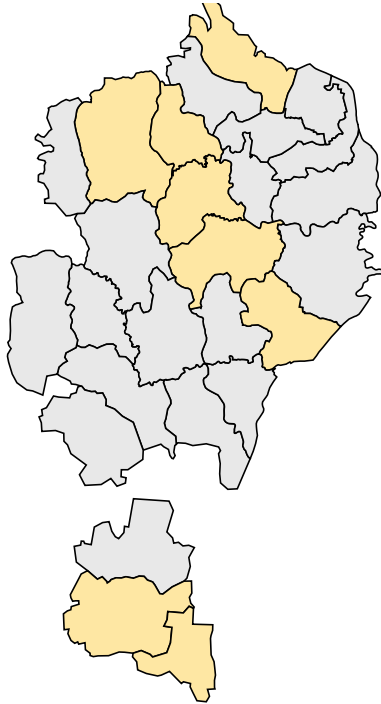
< 5

Figure 5 | Trend in number of cases over time (W38 2017 - W11 2020)

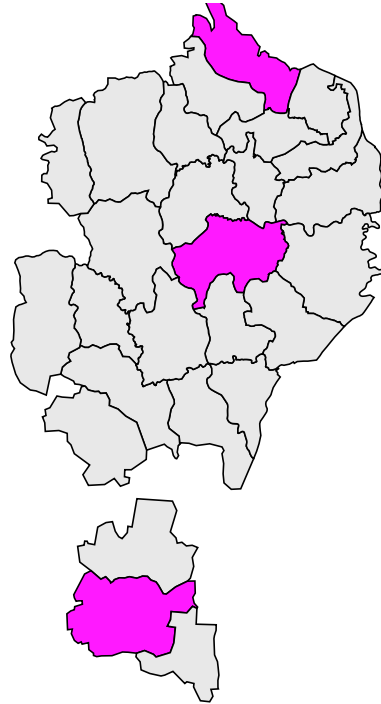


Map 3 | Map of cases by camp (W37 2017 - W11 2020)

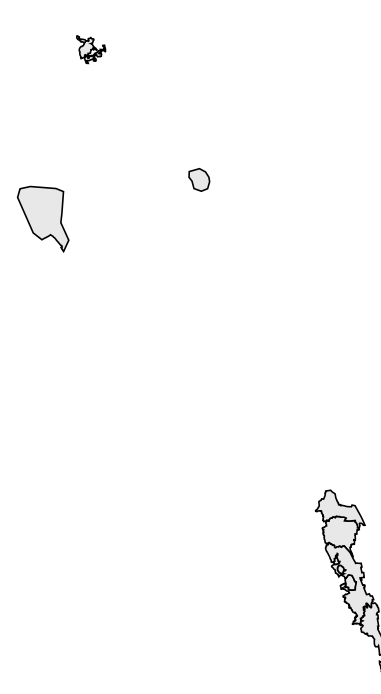
a. Ukhia | Number of cases



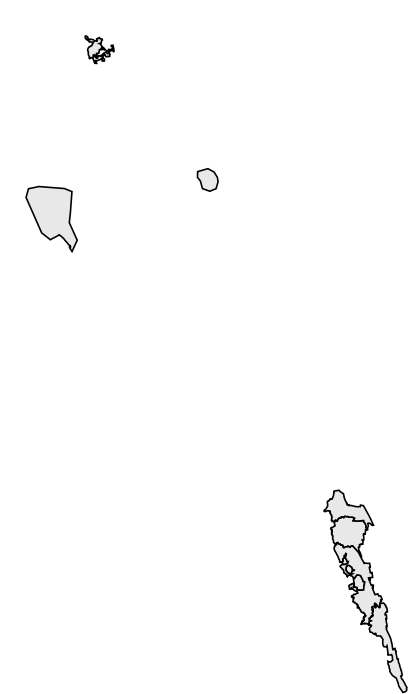
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

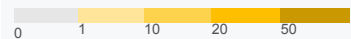


d. Teknaf | Number of alerts

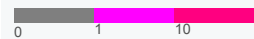


Map legend

Number of cases



Number of alerts



Alert threshold

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

Alert management (W11 2020)

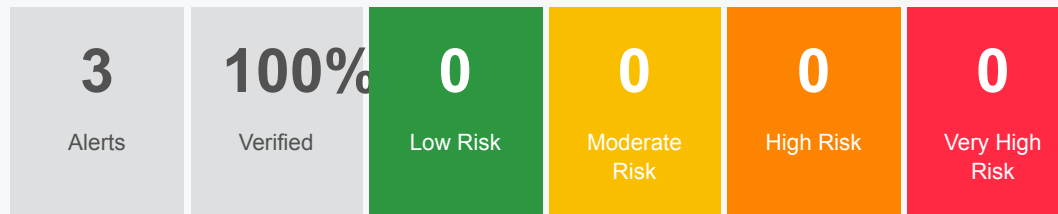


Figure | % sex

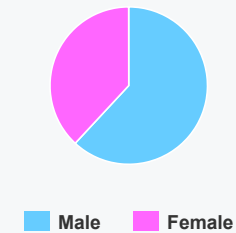


Figure | % age

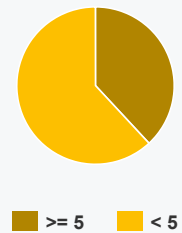


Figure 6 | Trend in number of cases over time (W38 2017 - W11 2020)

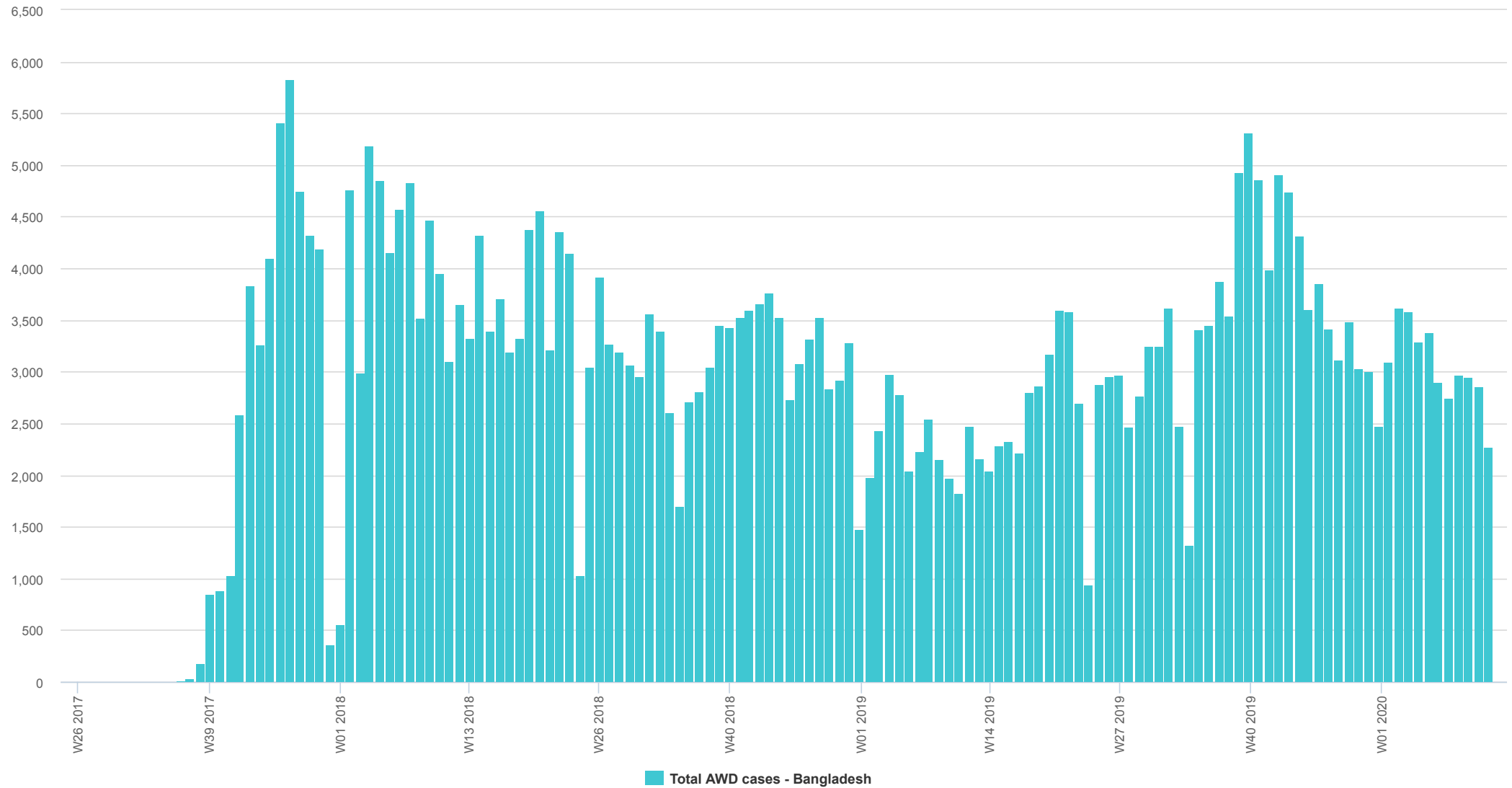
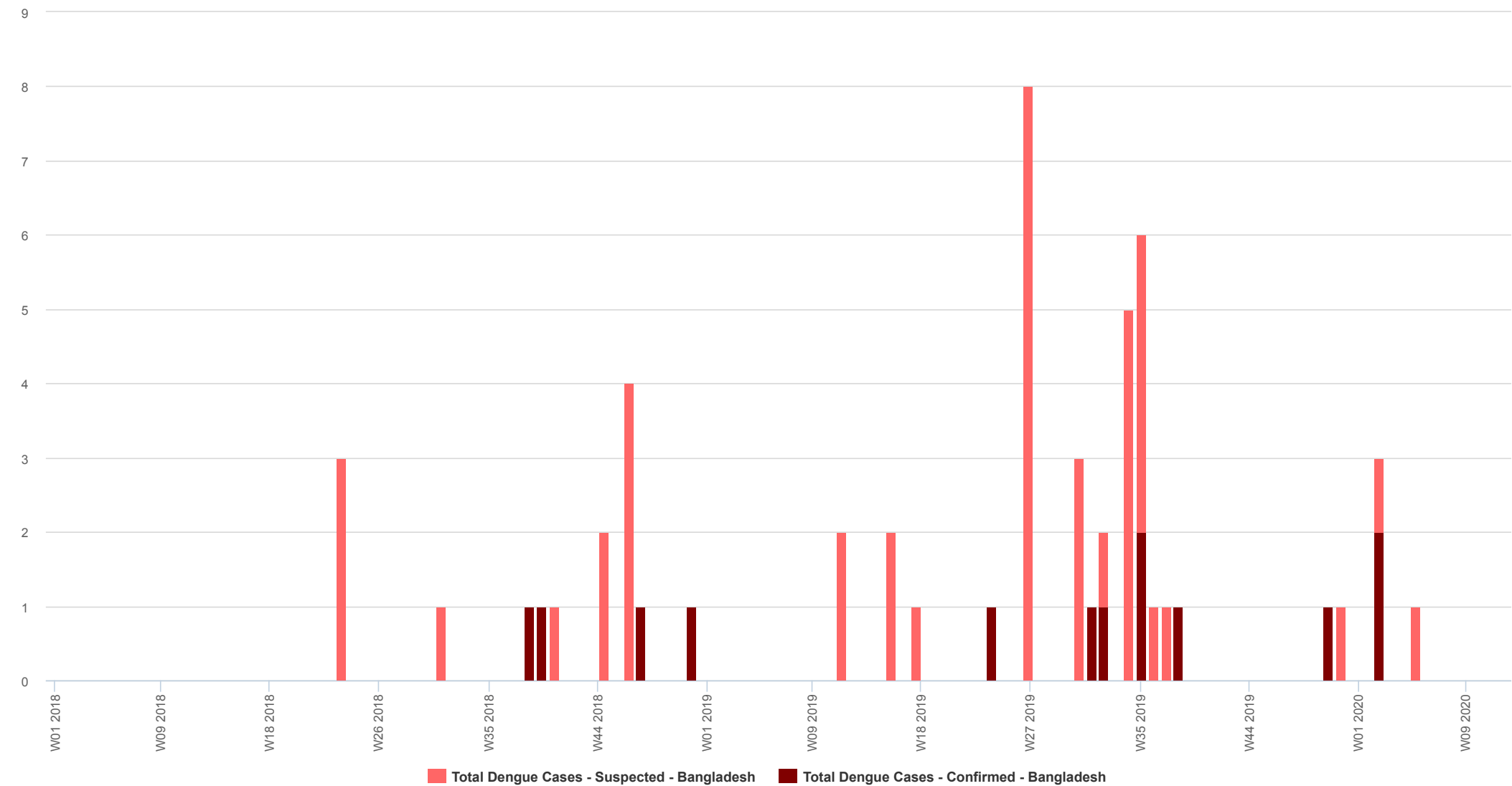


Figure 7 | Trend in number of cases over time (W38 2017 - W11 2020)



Map 4 | Map of cases by camp (W37 2017 - W11 2020)

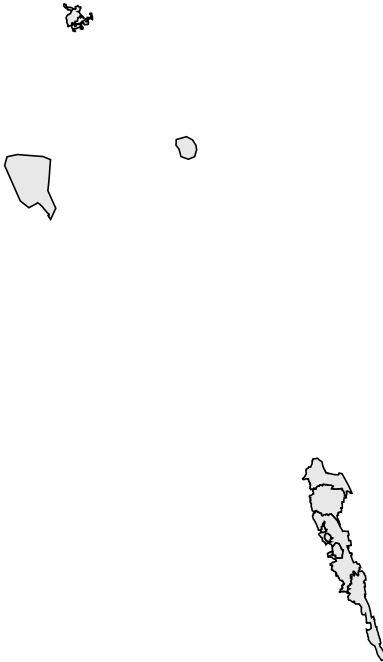
a. Ukhia | Number of cases



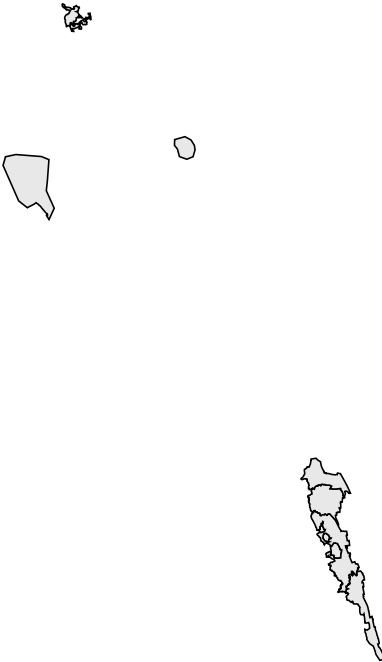
b. Ukhia | Number of alerts



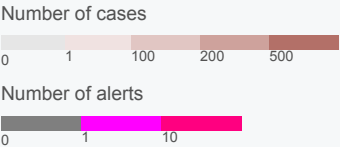
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W11 2020)

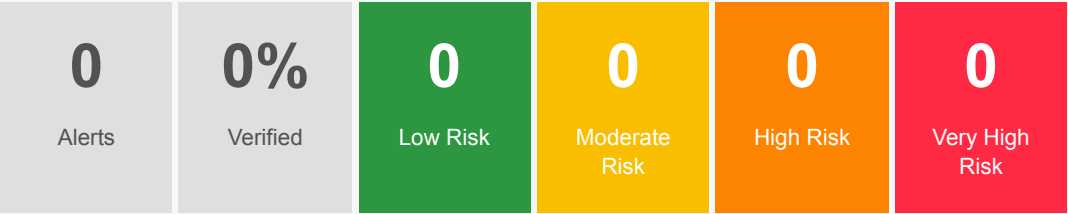


Figure | % sex

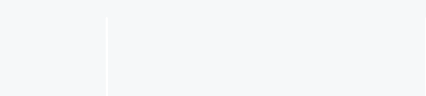


Figure | % age

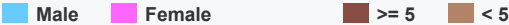
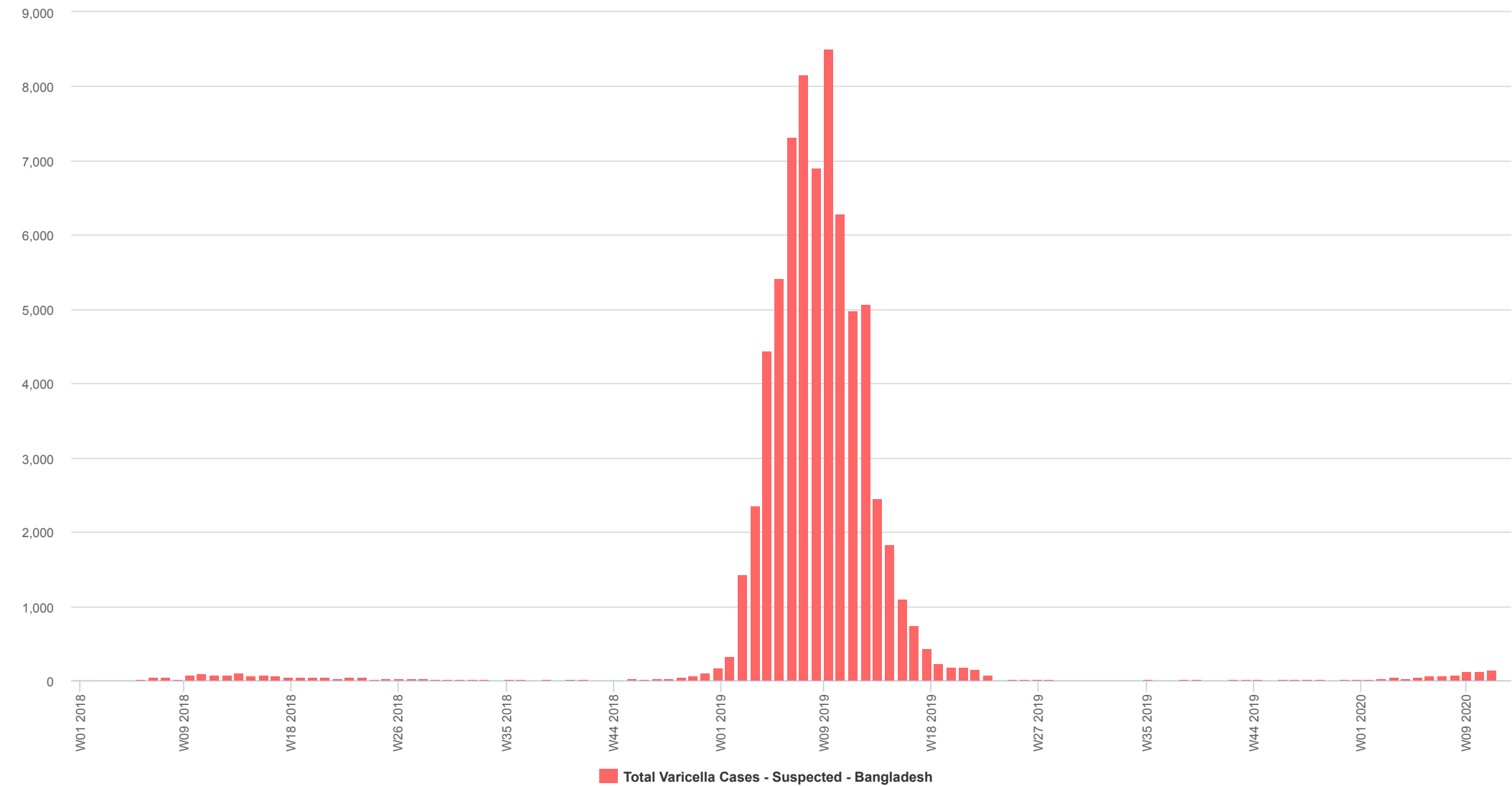
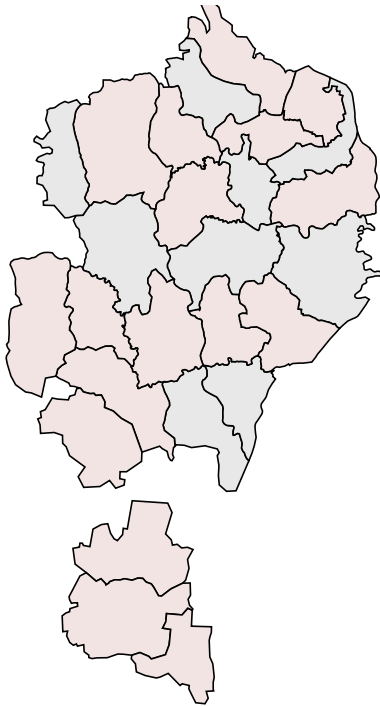


Figure 7 | Trend in number of cases over time (W38 2017 - W11 2020)

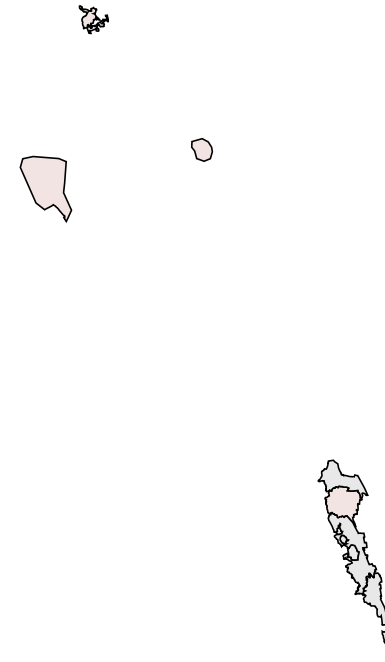


Map 4 | Map of cases by camp (W37 2017 - W11 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

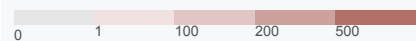


Figure | % sex

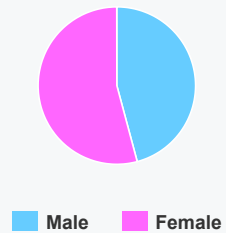
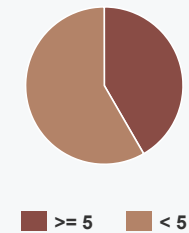


Figure | % age



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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>

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



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