



Epidemiological Highlights

Week 41 (05-11 October 2020)



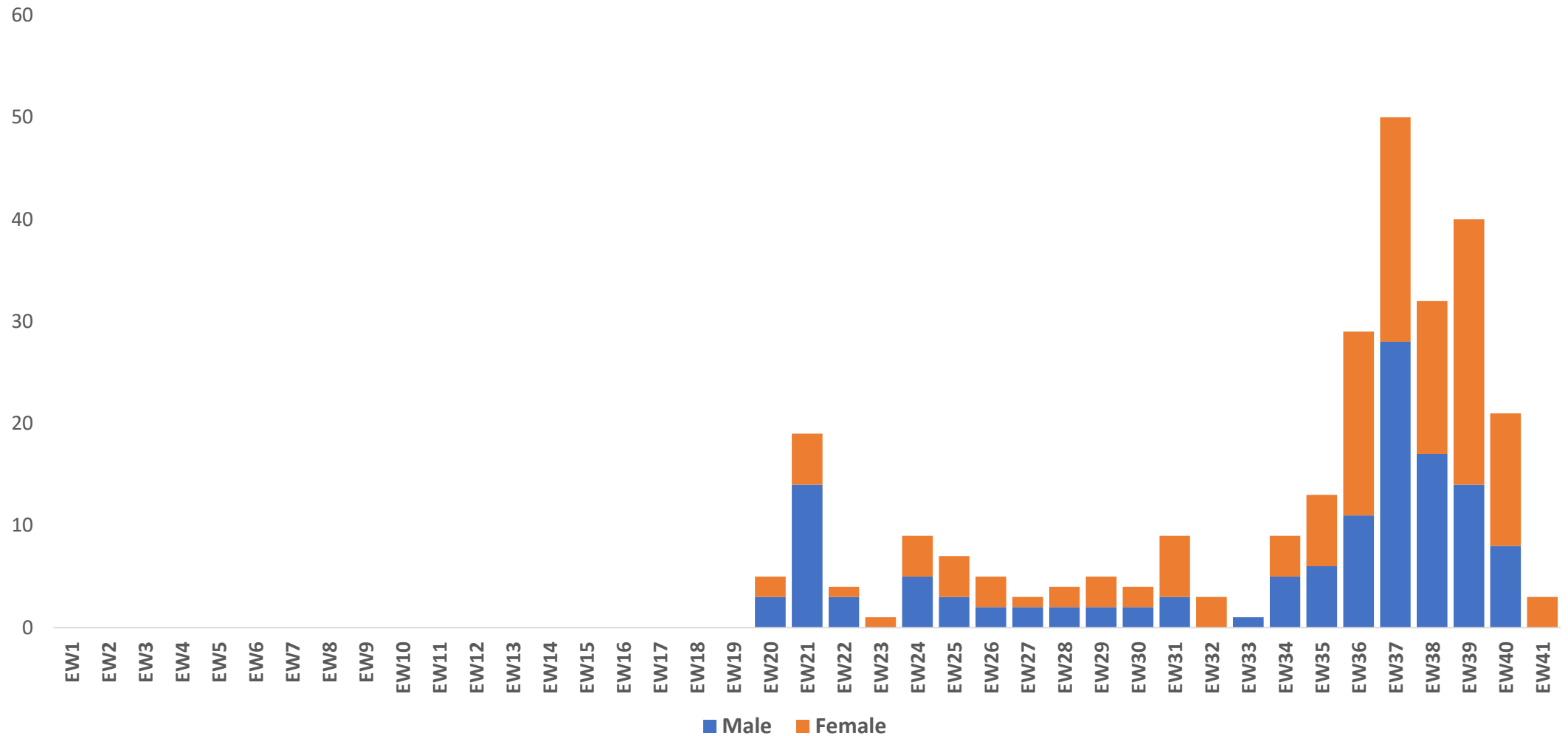
**World Health
Organization**

Highlights:

- As of (week 41) (5th October - 11th October) there are 276 confirmed cases of COVID-19 (SARS-CoV-2), 11,767 samples were tested.
- This week (week 41), there have been 3 confirmed cases, 544 samples were tested, test positivity was 0.2%.
- As of this week (week 41)
 - all 34/34 camps have confirmed cases
 - a total of 8 deaths from COVID-19
 - the case fatality rate is 2.9%
 - the incidence is 32.1 per 100,000 people
 - the overall positivity of all samples tested was 2.3%.

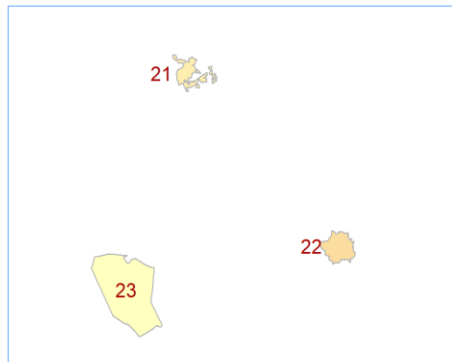
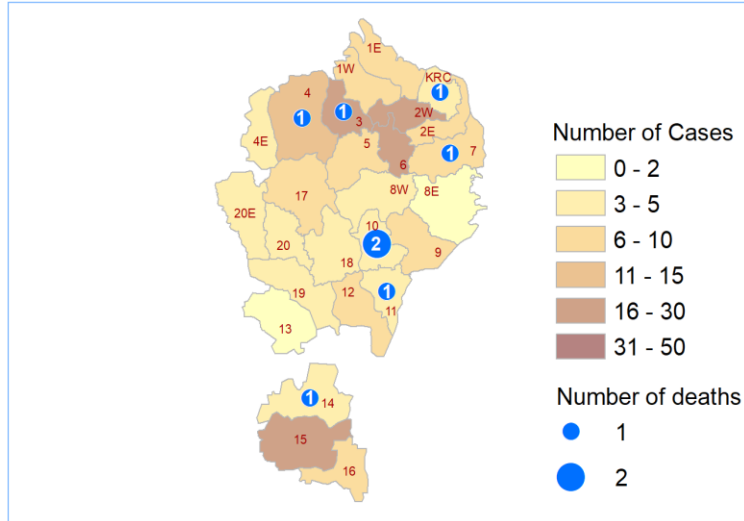
Highlights:

COVID-19 positive cases (n=276) by date of test



Highlights:

COVID-19 Cases in Rohingya Camps (As of 11 October 2020)

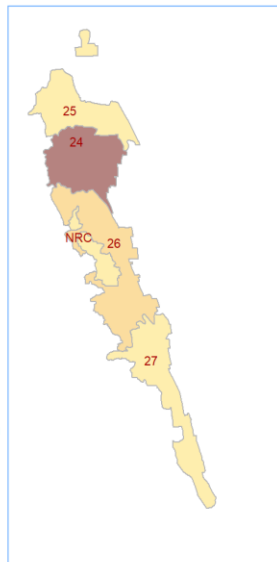


276 Confirmed cases in FDMN/Rohingya Refugee Camps

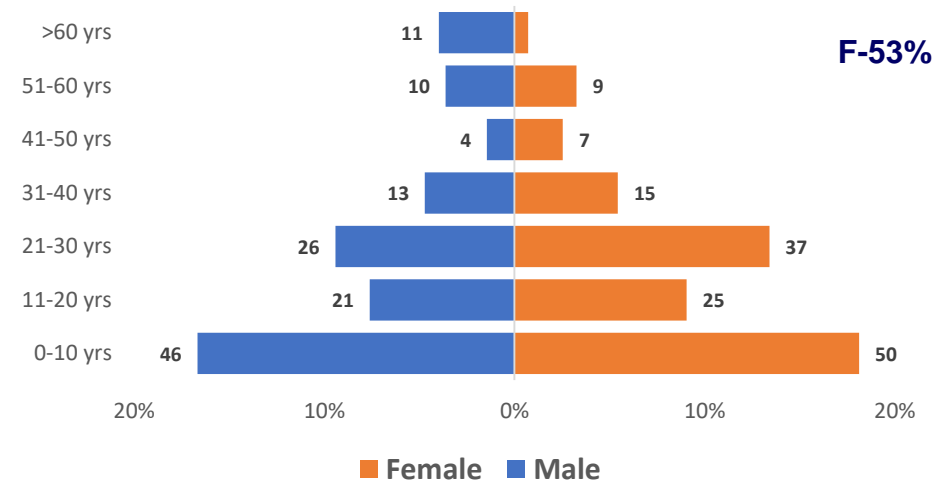
321 Confirmed cases/1 Million

8 Deaths in FDMN/Rohingya Refugee Camps

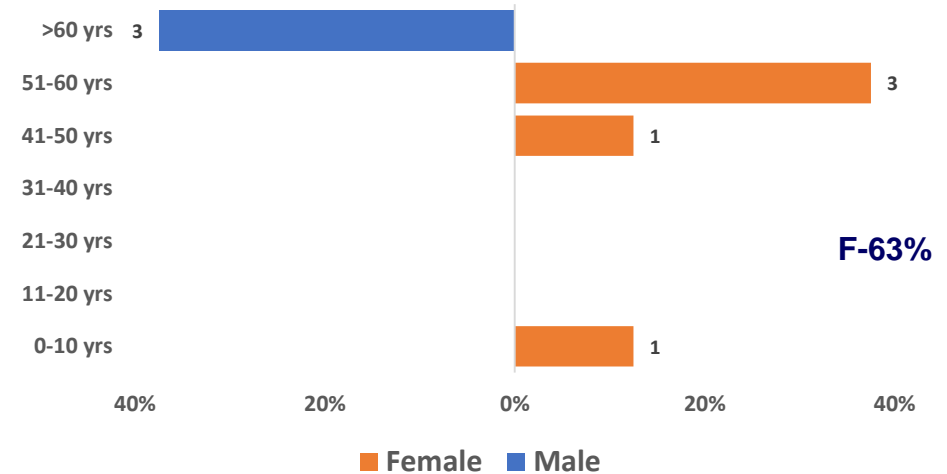
9 Deaths/1,000,000



Age and sex distribution (%) (n=276) (f=145, m=131)

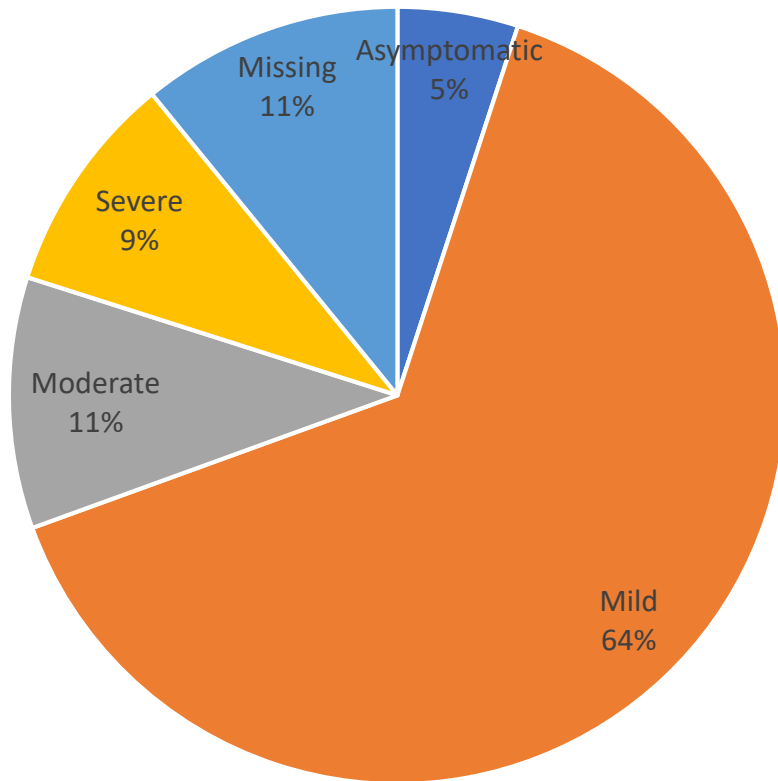


Deaths by age and sex (%) (n=8) (f=5; m=3)

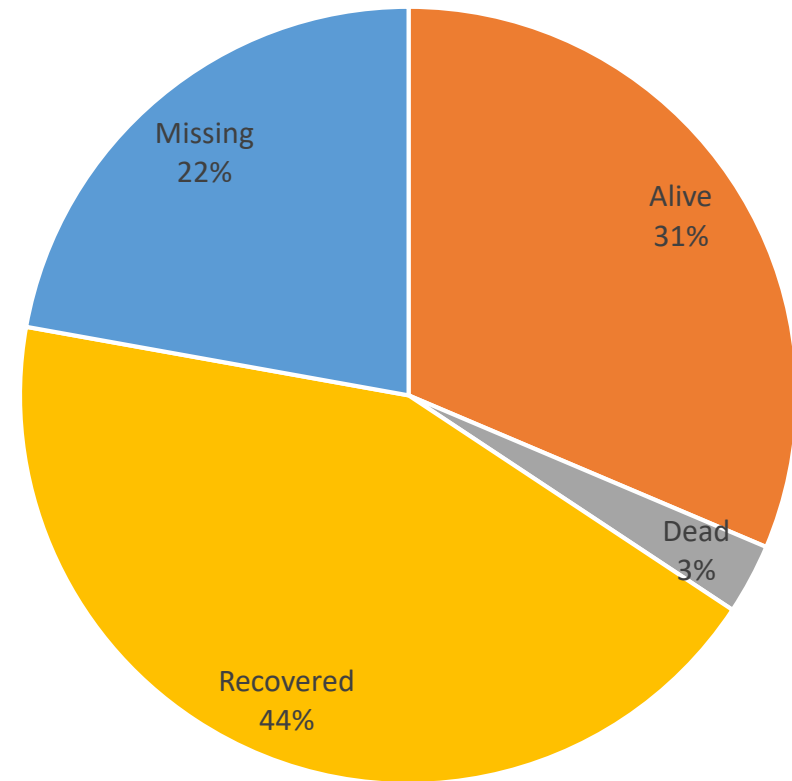


Highlights:

Severity of reported cases at presentation (n=239)



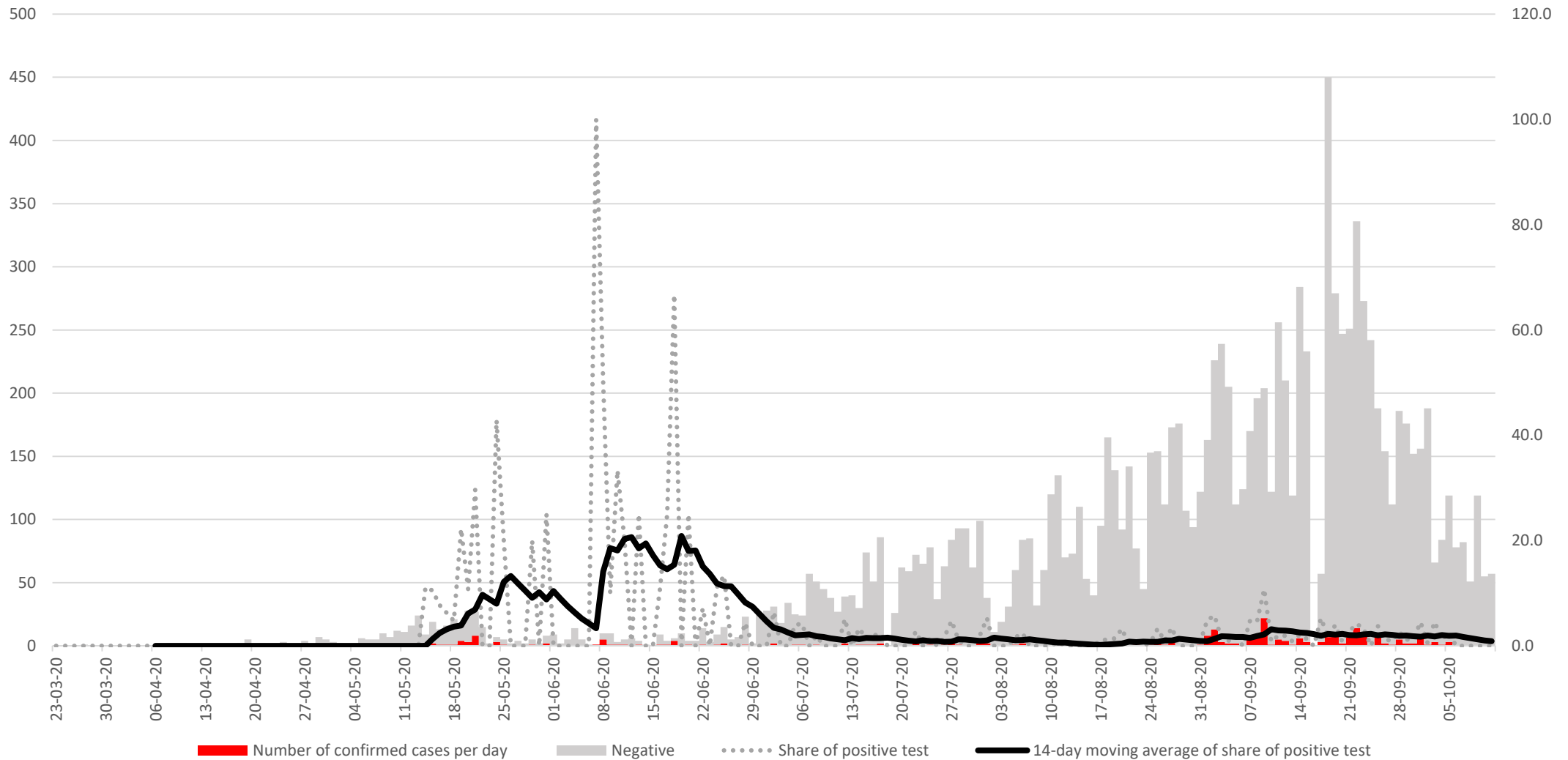
Patient outcome (n=239)



Source: Go.Data

Highlights:

Trends of tests (n=11,767) and confirmed cases (n=276)



Highlights:

- Acute Respiratory Infection (14.0%), Diarrheal Diseases (6.6%) & Unexplained Fever (1.3%) are the diseases with highest proportional morbidity in week 41.
- Number of consultations has been shown an increasing trend since last 2 month.
- Community-based mortality surveillance included SARI death in weekly reporting since week 28 and the reporting frequency changed since then from bi-weekly. Twelve (12) SARI death has been reported so far.

EWARS Reporting Updates

- Total 145/166 (87%) health facilities registered in EWARS
- Only 125/145 weekly reports received in week 41.
- Completeness and Timeliness for this week is 88%.
- Total 37 alerts were triggered in week 41.
- All alerts were reviewed and verified by WHO EWARS team which is less than as of previous week (33 in week 40).

Diphtheria

One suspected diphtheria case reported in go.data in week 41

A total of 9 163 case-patients were reported since 2017 to till date

- Confirmed = 329
- Probable = 2785
- Suspected = 6049

Total Case reported in 2020 = 200

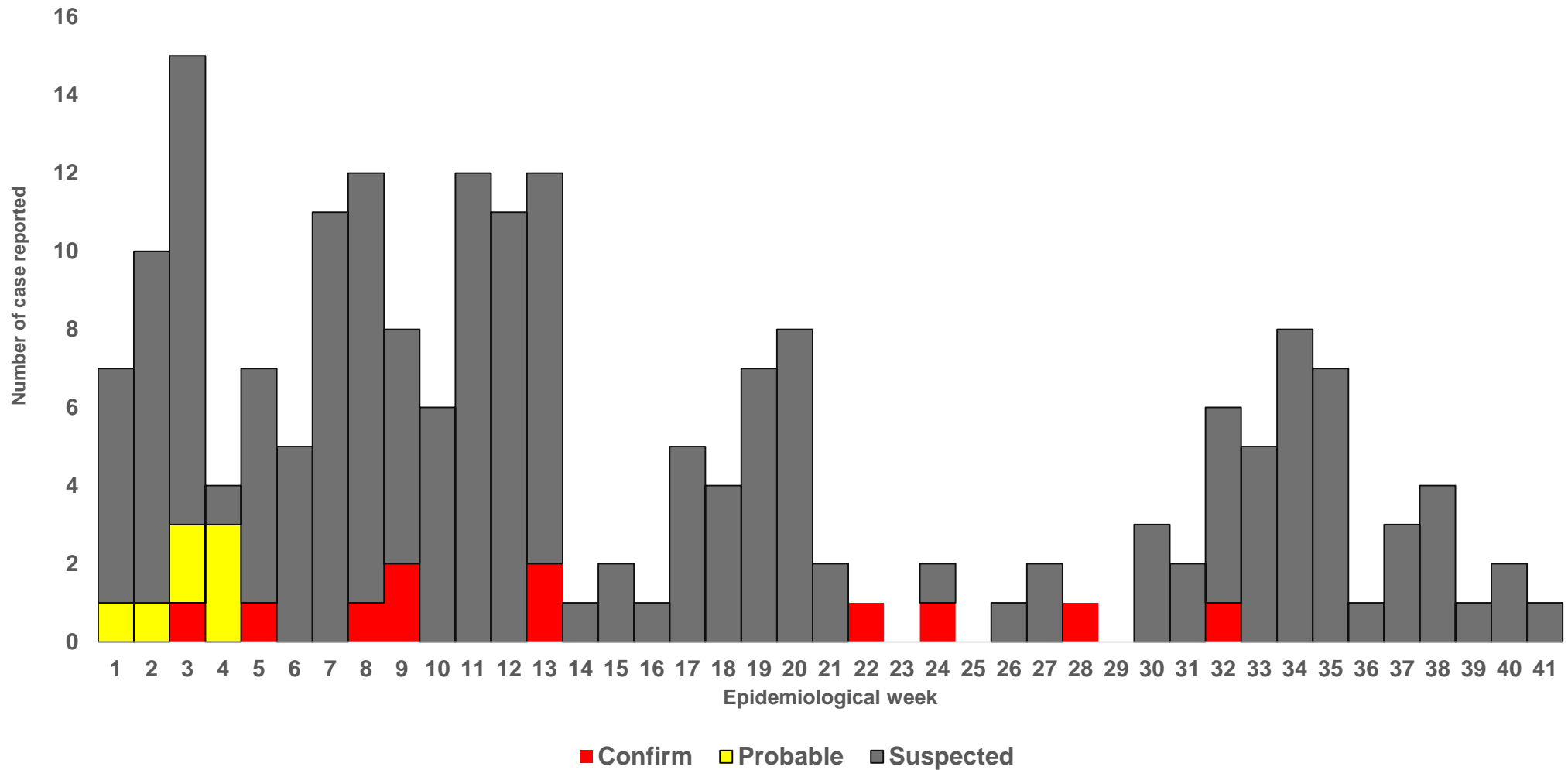
- Confirmed = 11
- Probable = 7
- Suspected = 182

Last confirmed case was reported in Week 33 (20 August 2020)

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

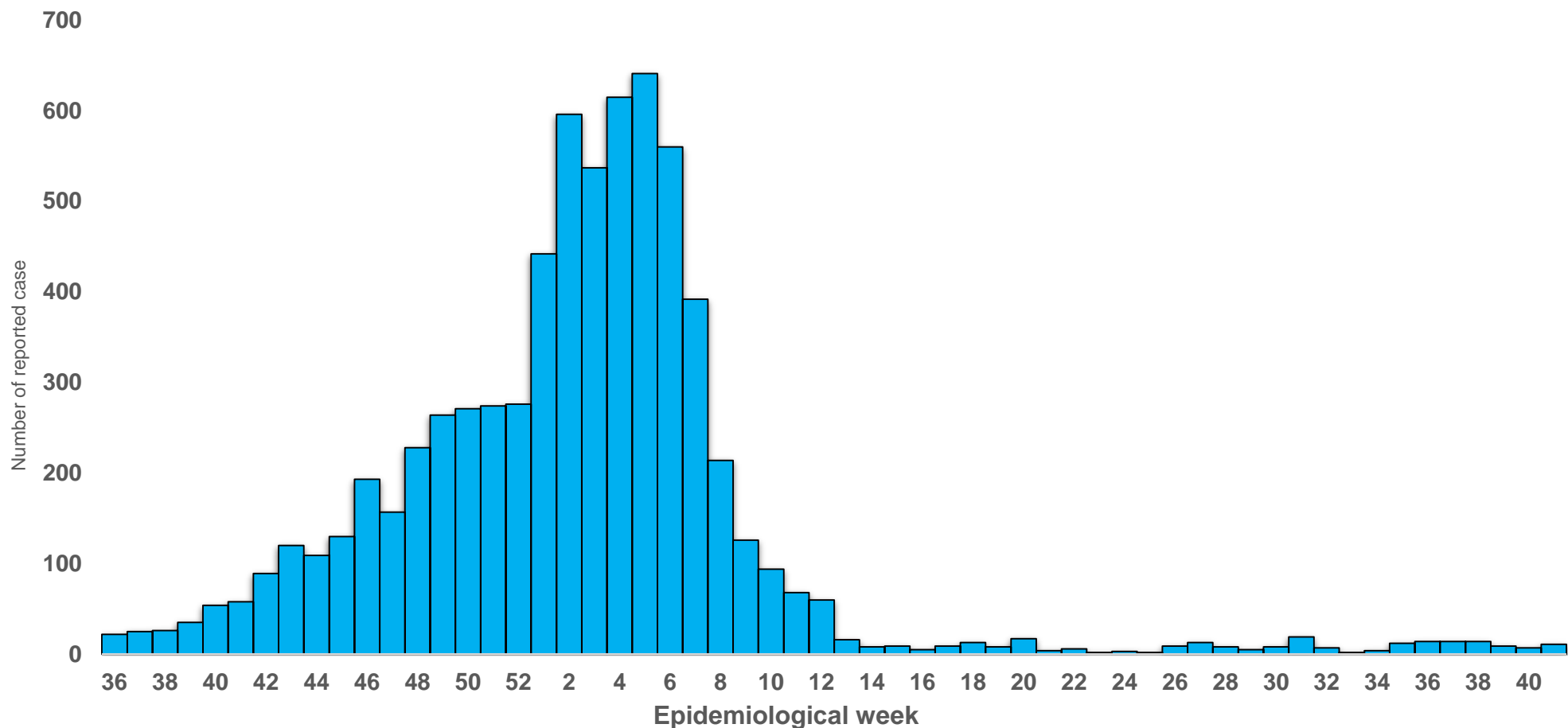
Diphtheria

Total number of diphtheria case reported in EWARS from week 1-41, 2020



Measles

Total number of Measles case reported in EWARS from week 36, 2019 to week 41, 2020



Total 11 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 41. Aggregated weekly report showed 4,540 and individual case report (CRF) found 2,517 (56%) in 2020.

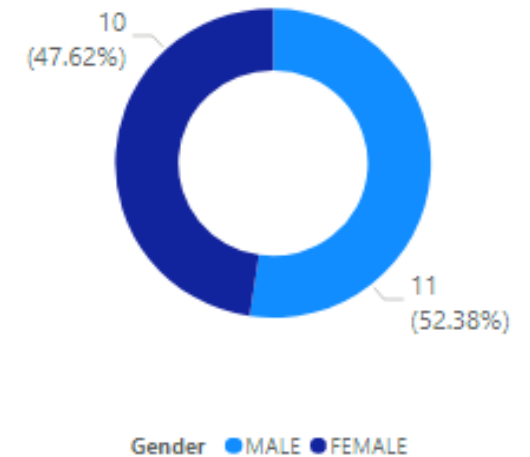
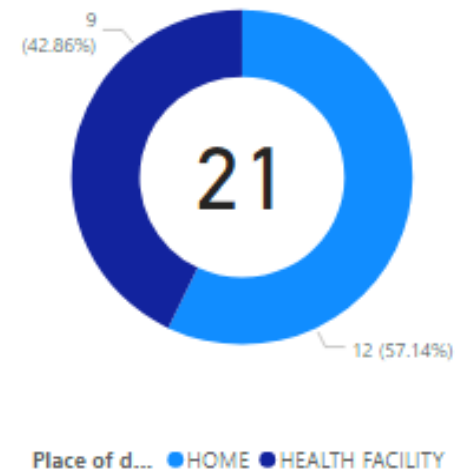
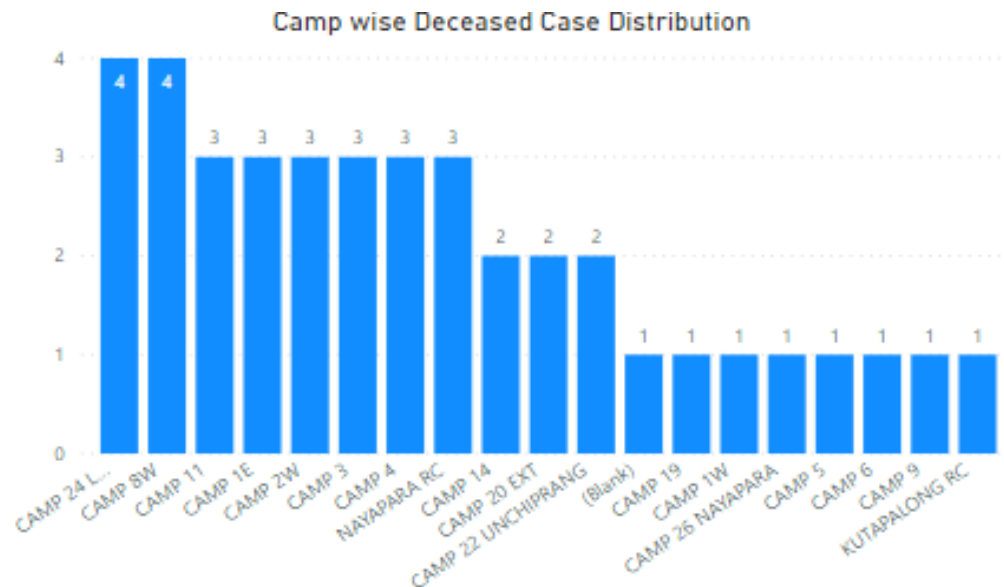
Diarrhoeal Disease

- A total of 4 195 cases of diarrhoeal diseases reported in EWARS in week 41.
- Among which 2901 cases (4.6%) reported as acute watery diarrhoea (AWD), 1015 (1.6%) and 279 (0.4%) cases as other diarrhea and bloody diarrhea respectively.
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

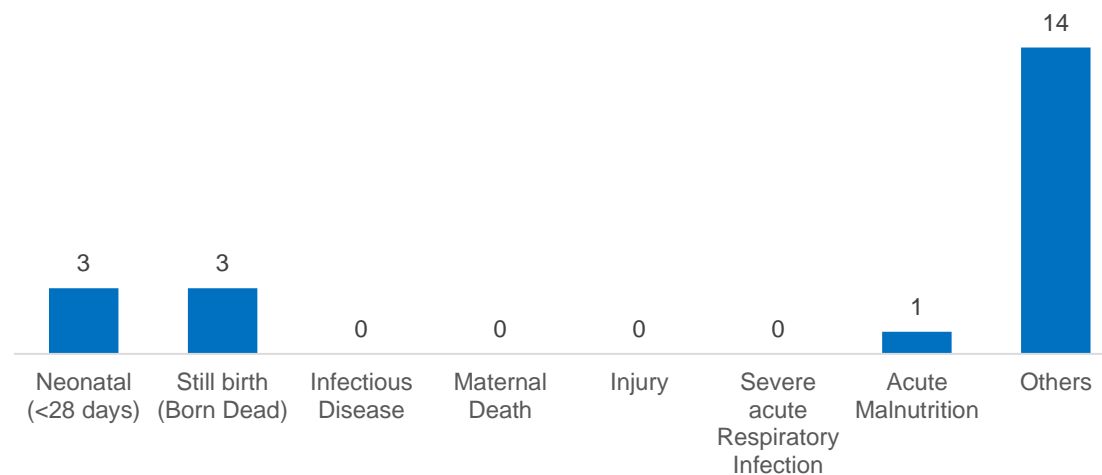
Community-based Mortality surveillance

- In week 41 total of 21 deaths were recorded, 67% (n=14) were due to causes classified as “Others”, 14% (n=3) as Neonatal (<28 days old), 14% (n=3) as Still birth (Born Dead), and 5% (n=1) as Acute malnutrition.
- 36% of deaths reported in the health facility 52% of deaths reported in homes and 12% deaths reported from Community/ Public place.
- Partners to report **all mortalities** into EWARS using the “Community-based mortality surveillance” form.

Community-based Mortality Surveillance



Probable Causes of Death (n=21)



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W41 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
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Sources of data

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

Highlights W41 2020

Table 1 | Coverage

#	%	
854,704	-	Estimated total Rohingya population ¹
854,704	100%	Total population under surveillance
166	-	Total number of health facilities
145	87%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W41	Cumulative (2020)	
125	5661	Number of weekly reports received
83%	88%	Completeness
83%	80%	Timeliness

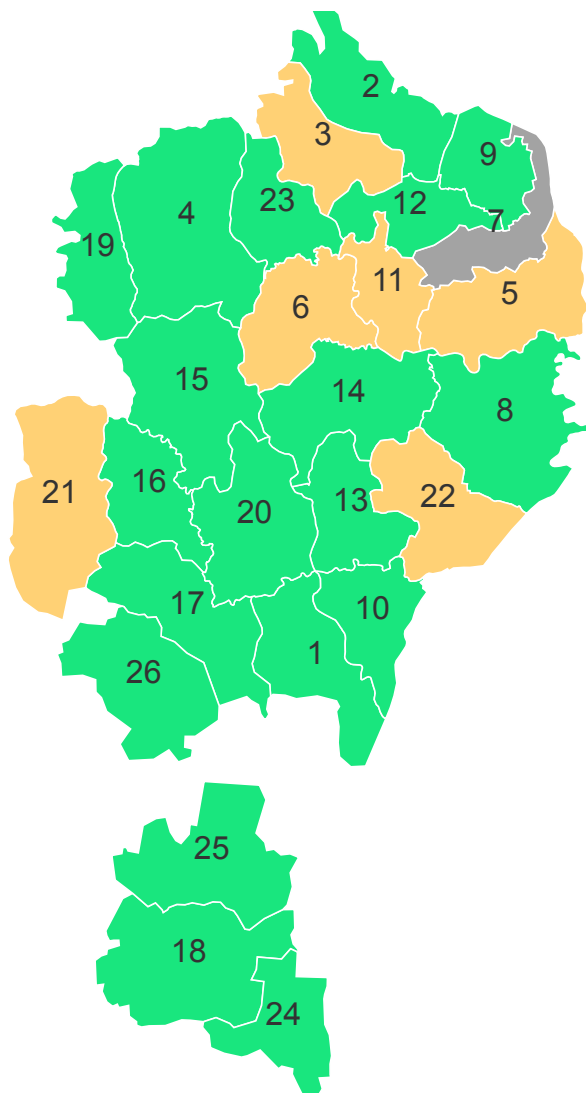
Table 3 Alert performance indicators

W41	Cumulative (2020)	
37	2,541	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

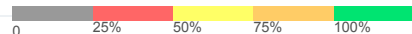
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2019.

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 4 Ext
- 20 Camp 18
- 21 Camp 20 Ext
- 22 Camp 9
- 23 Camp 3
- 24 Camp 16
- 25 Camp 14
- 26 Camp 13

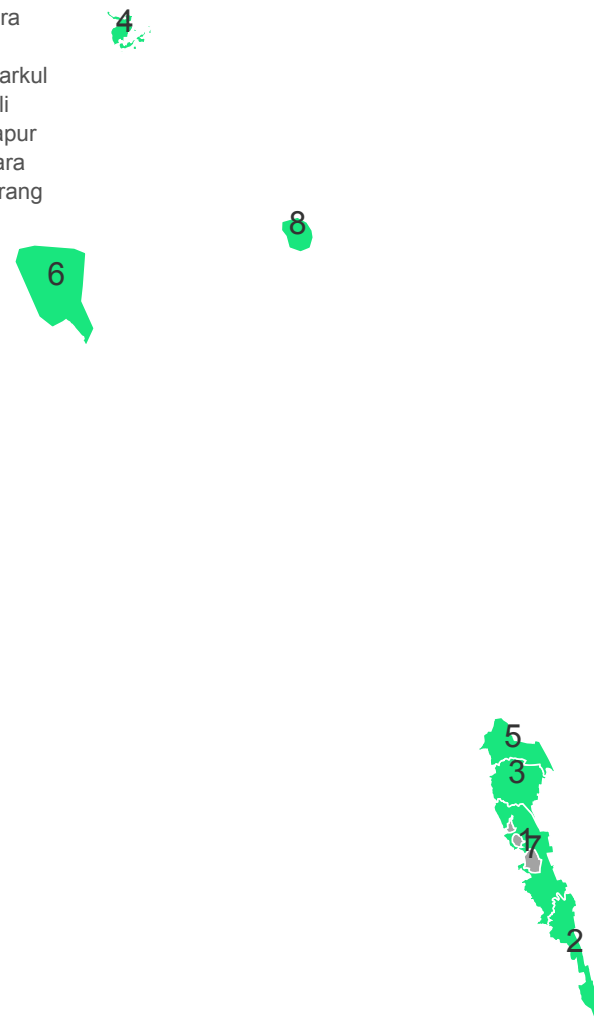


Completeness



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 (W41 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	4	3	75%	75%
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	6	100%	100%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	3	60%	60%
Camp 6	2	1	50%	50%
Camp 7	6	3	50%	50%
Camp 8E	7	6	86%	86%
Camp 8W	6	5	83%	83%
Kutupalong RC	1	1	100%	100%

Map 2 | Completeness by camp

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

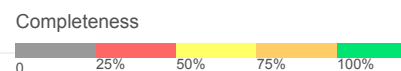
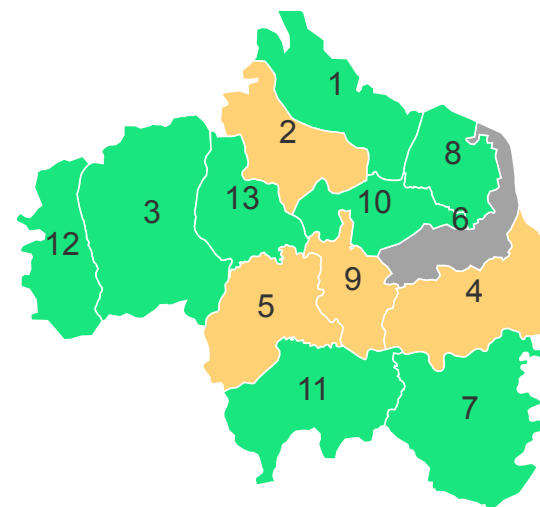


Table 5 | Performance by camp (W41 2020)

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	9	100%	100%
Camp 16	5	4	80%	80%
Camp 17	5	4	80%	80%
Camp 18	5	5	100%	100%
Camp 19	5	4	80%	80%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	1	50%	50%
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 18
- 9 Camp 20 Ext
- 10 Camp 9
- 11 Camp 16
- 12 Camp 14
- 13 Camp 13

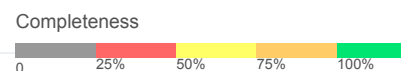
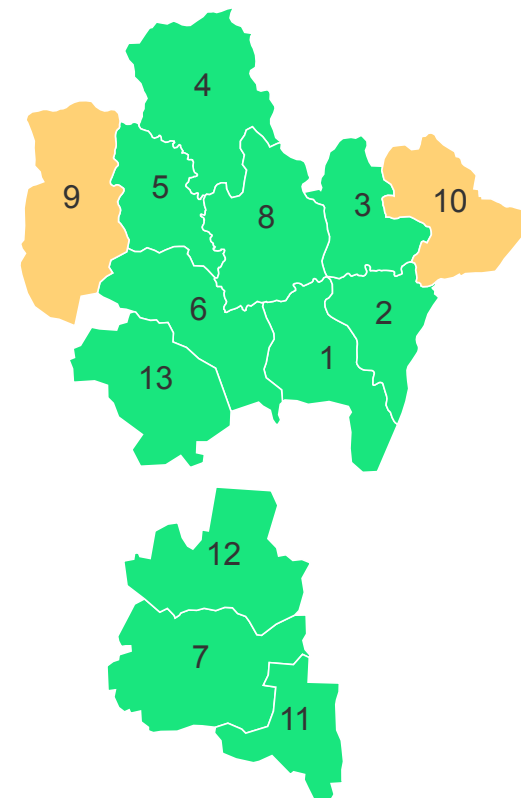
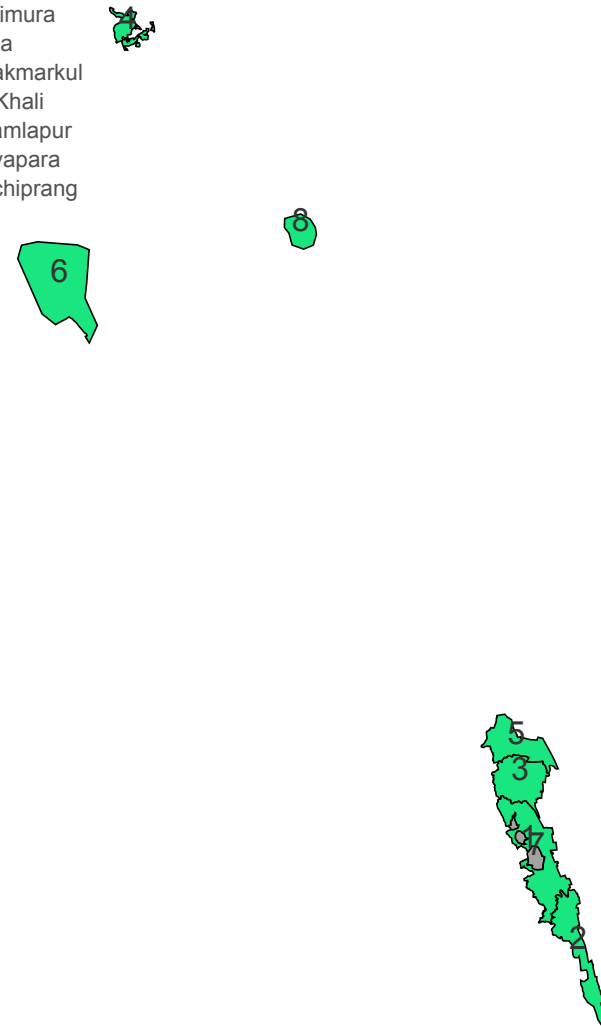


Table 6 | Performance by camp (W41 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	5	3	75%	75%
Camp 23 Shamlapur	4	3	100%	100%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	4	100%	100%
Camp 26 Nayapara	3	3	100%	100%
Camp 27 Jadimura	1	1	100%	100%
Nayapara RC	0	2	0%	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 (W41 2020)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	9	8	89%	89%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	1	8%	8%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	21	18	86%	86%
IRC	2	2	100%	100%
MSF	9	7	78%	78%
MoH	1	1	100%	100%
Hope	1	1	100%	100%
Medair	2	2	100%	100%

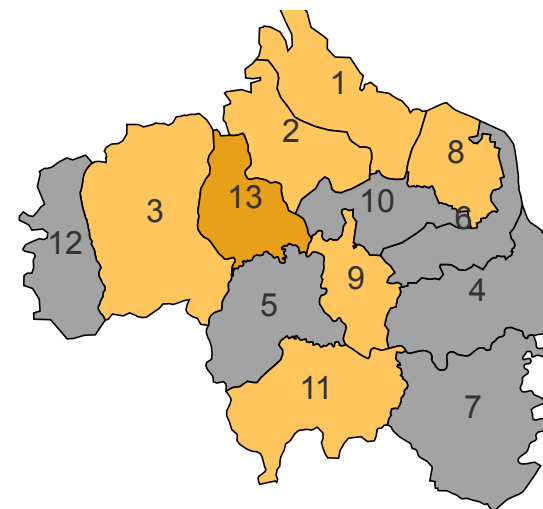
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	3	3	100%	100%
PHD	8	8	100%	100%
PWJ	1	1	100%	100%
RHU	1	1	100%	100%
RI	3	3	100%	100%
RTMI	9	8	89%	89%
SCI	9	9	100%	100%
TdH	1	1	100%	100%

Table 8 | Performance by camp

Northern group	W41		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	1	100%	62	100%
Camp 1W	2	100%	48	100%
Camp 2E	0	0%	57	100%
Camp 2W	0	0%	57	100%
Camp 3	6	100%	193	100%
Camp 4	1	100%	151	100%
Camp 4 Ext	0	0%	24	100%
Camp 5	0	0%	131	100%
Camp 6	1	100%	29	100%
Camp 7	0	0%	52	100%
Camp 8E	0	0%	34	100%
Camp 8W	2	100%	120	100%
Kutupalong RC	1	100%	18	100%

Map 5 | Number of alerts by camp

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



of alerts

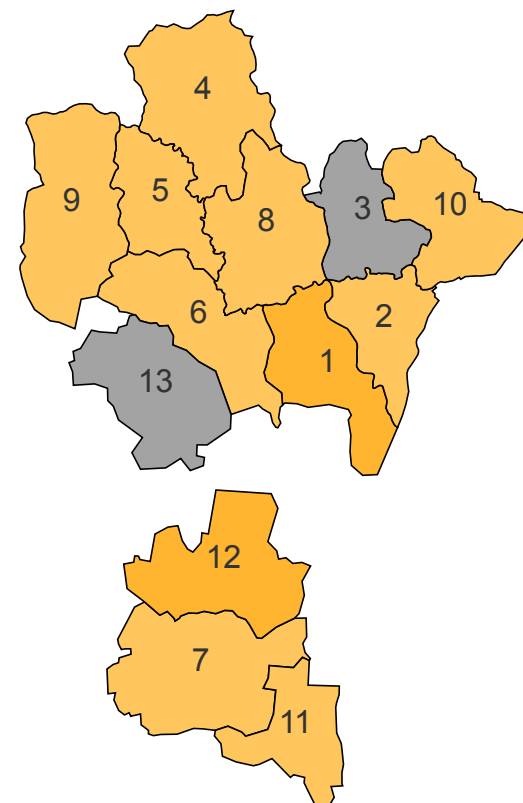


Table 9 | Performance by camp

Southern group	W41		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	0	0%	81	100%
Camp 11	2	100%	107	100%
Camp 12	4	100%	130	100%
Camp 13	0	0%	158	100%
Camp 14	3	100%	73	100%
Camp 15	1	100%	117	100%
Camp 16	1	100%	106	100%
Camp 17	1	100%	78	100%
Camp 18	1	100%	83	100%
Camp 19	2	100%	93	100%
Camp 20	1	100%	58	100%
Camp 20 Ext	2	100%	16	100%
Camp 9	1	100%	108	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 18
- 9 Camp 20 Ext
- 10 Camp 9
- 11 Camp 16
- 12 Camp 14
- 13 Camp 13



of alerts

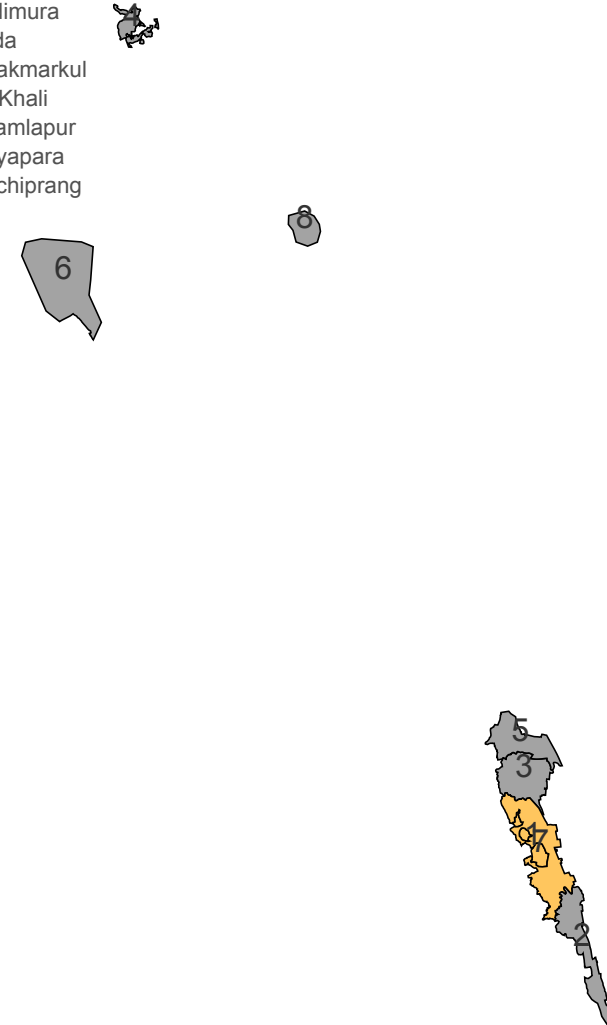


Table 10 | Performance by camp

Teknaf	W41		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	0	0%	50	100%
Camp 22 Unchiprang	0	0%	31	100%
Camp 23 Shamlapur	0	0%	47	100%
Camp 24 Leda	0	0%	19	100%
Camp 25 Ali Khali	0	0%	24	100%
Camp 26 Nayapara	1	100%	45	100%
Camp 27 Jadimura	0	0%	15	100%
Nayapara RC	1	100%	26	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	W41		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	8	100%	783	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	12	100%
Meningitis	1	100%	16	100%
Haem. fever (susp.)	0	0%	9	100%
NNT	0	0%	2	100%
Unexp. fever	0	0%	207	100%
AWD	3	100%	261	100%
ARI	1	100%	273	100%
AJS	0	0%	104	100%
Varicella (Susp.)	0	0%	12	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	4	100%	173	100%

Table 12 | Risk assessment

W41	Cumulative (2020)	
0	4	Low risk
0	1	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 W41 2020



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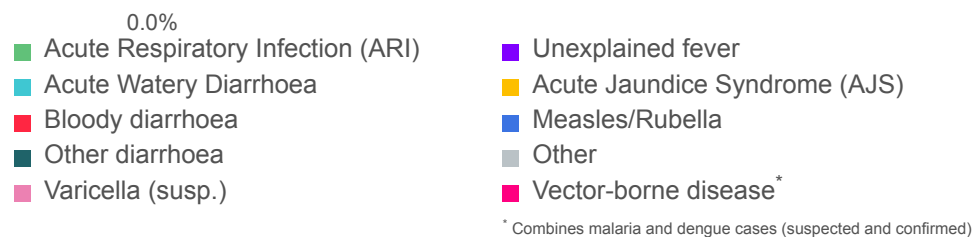
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Proportional morbidity

Figure 1 | Proportional morbidity (W41 2020)



Disease	W41		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,901	4.6%	103,279	4.4%
Bloody diarr.	279	0.4%	12,655	0.5%
Other diarr.	1,015	1.6%	37,944	1.6%
Susp. Varicella	17	0.0%	1,711	0.1%
ARI	8,941	14.0%	476,835	20.5%
Measles/Rub.	11	0.0%	4,540	0.2%
AFP	0	0.0%	11	0.0%
Susp. menin.	2	0.0%	58	0.0%
AJS	9	0.0%	886	0.0%
Susp. HF	0	0.0%	21	0.0%
Neo. tetanus	0	0.0%	1	0.0%
Adult tetanus	0	0.0%	10	0.0%
Malaria (conf.)	0	0.0%	7	0.0%
Malaria (susp.)	0	0.0%	3,502	0.2%
Dengue (conf.)	0	0.0%	2	0.0%
Dengue (susp.)	0	0.0%	4	0.0%
Unexpl. fever	846	1.3%	47,048	2.0%
Sev. Malnut.	28	0.0%	973	0.0%
Inj./Wounds	1,537	2.4%	60,403	2.6%
Other	48,145	75.5%	1,577,310	67.8%
Total	62,895	100%	2,327,924	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W41)

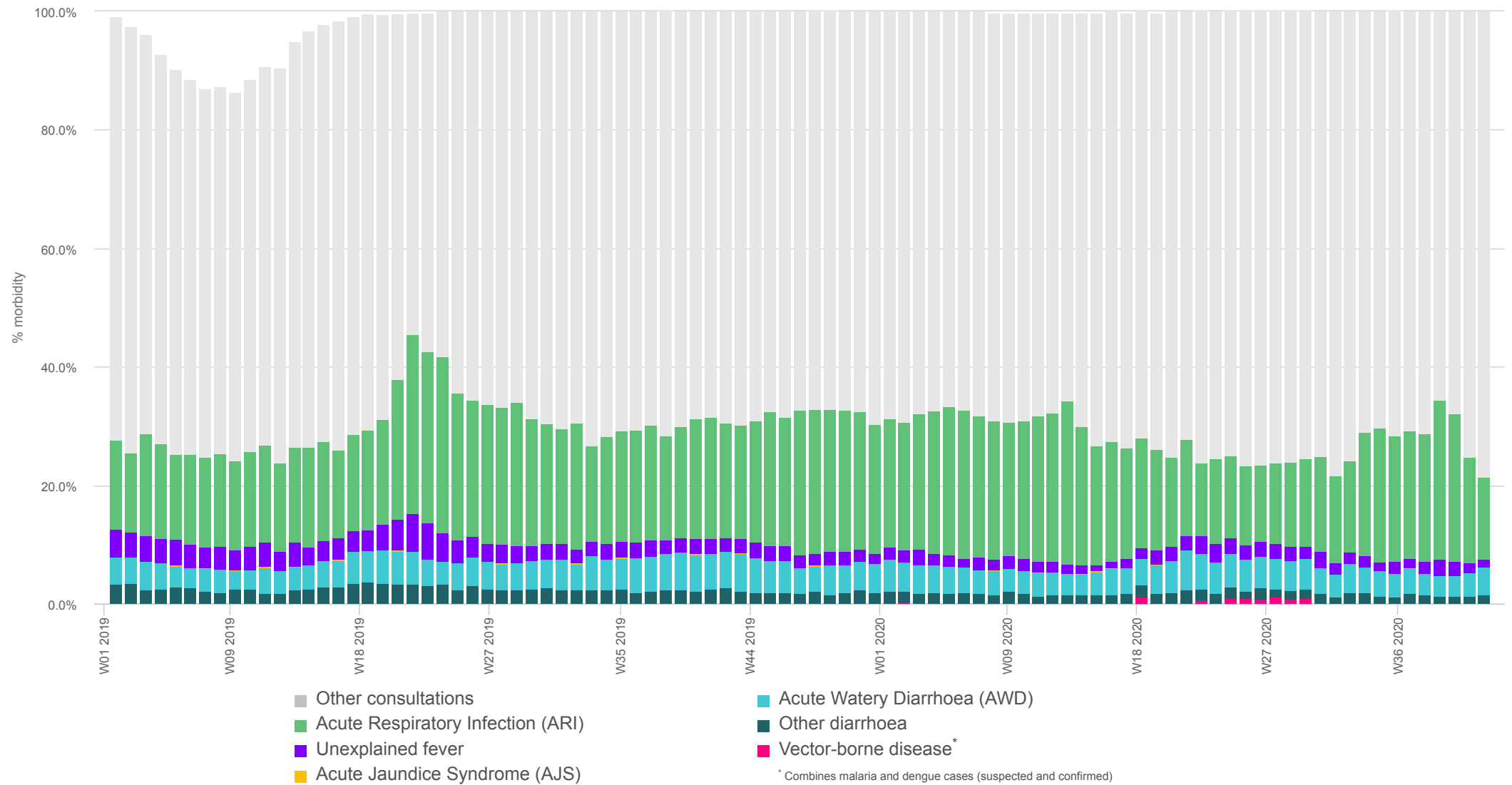
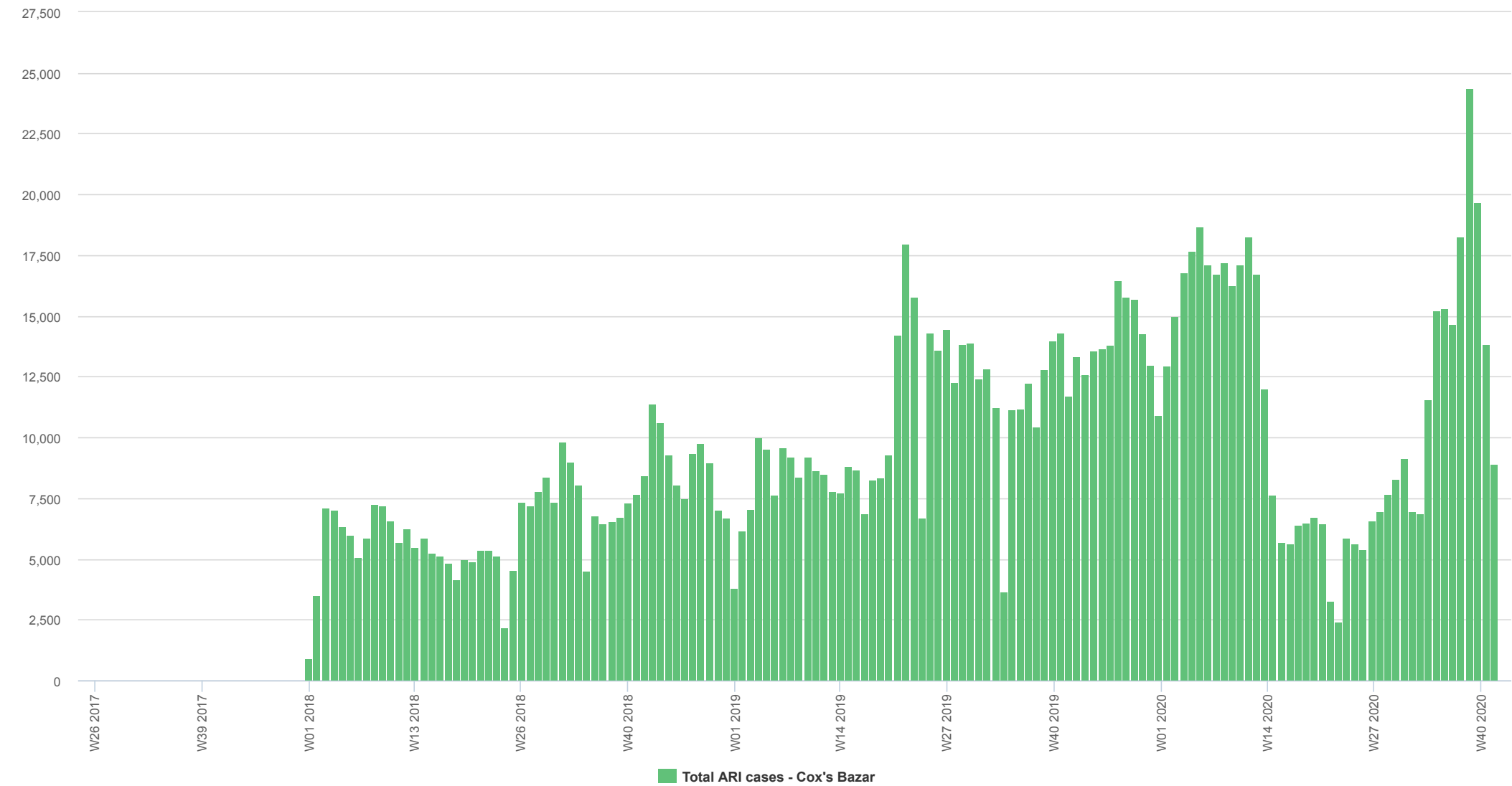
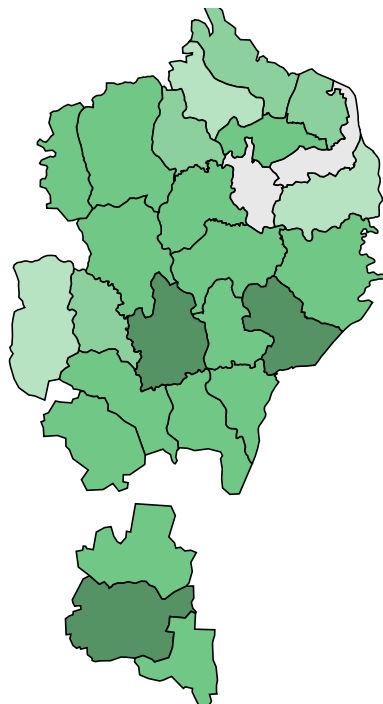


Figure 3 | Trend in number of cases over time (W38 2017 - W41 2020)

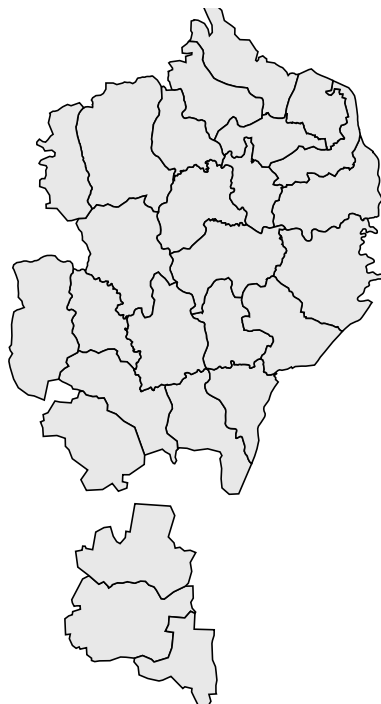


Map 1 | Map of cases by camp (W41 2020)

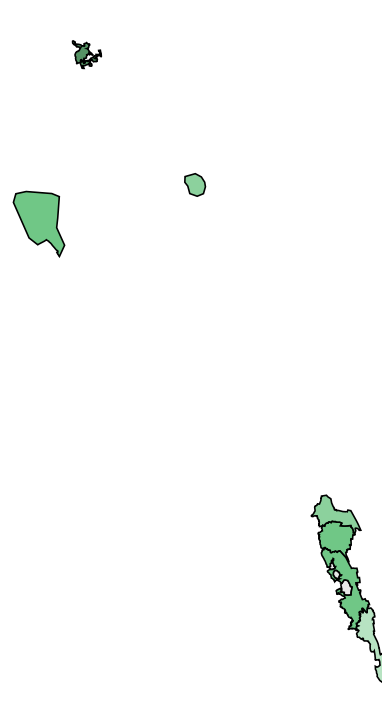
a. Ukhia | Number of cases



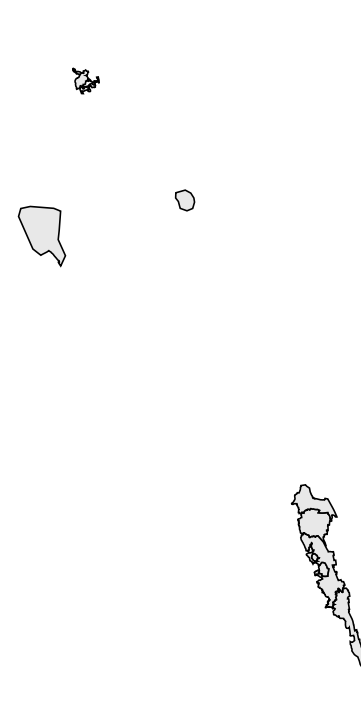
b. Ukhia | Number of alerts



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 (W41 2020)

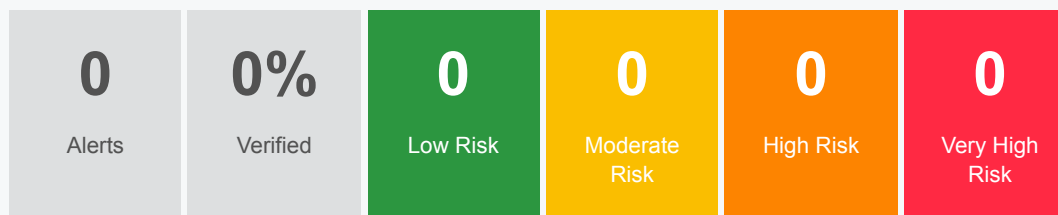
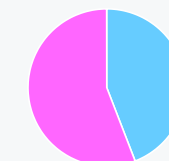
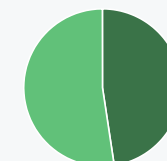


Figure | % sex



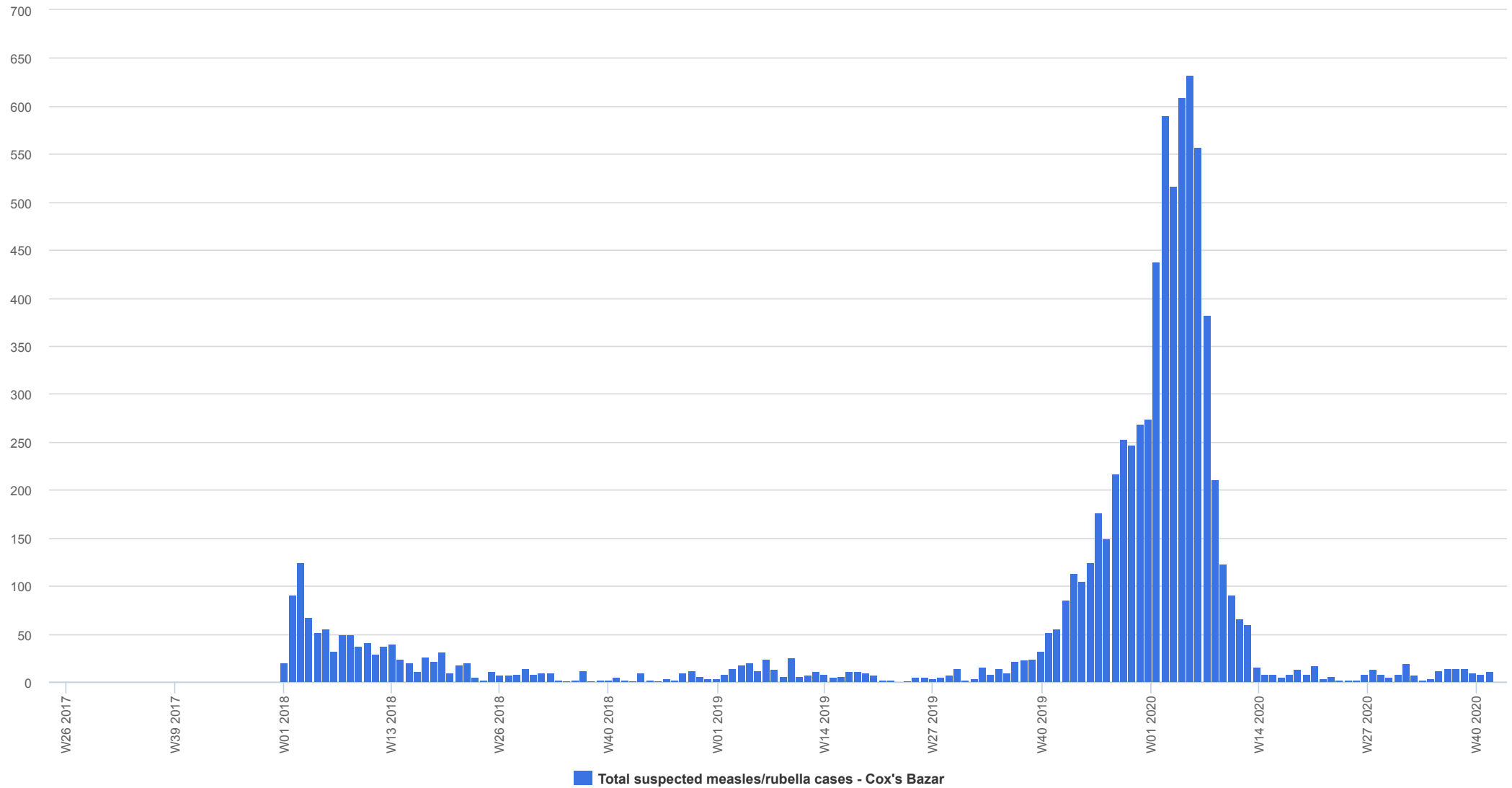
Male Female

Figure | % age



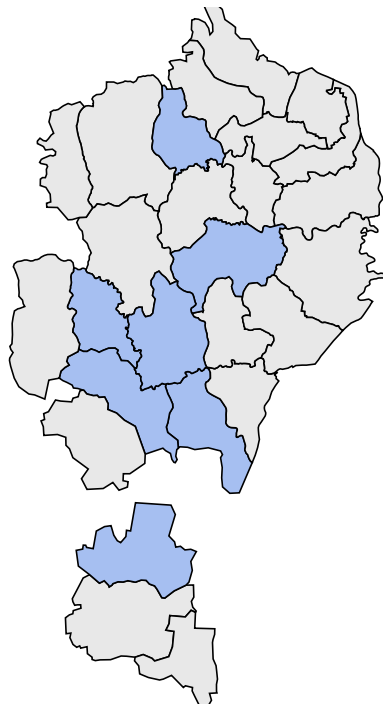
>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W41 2020)

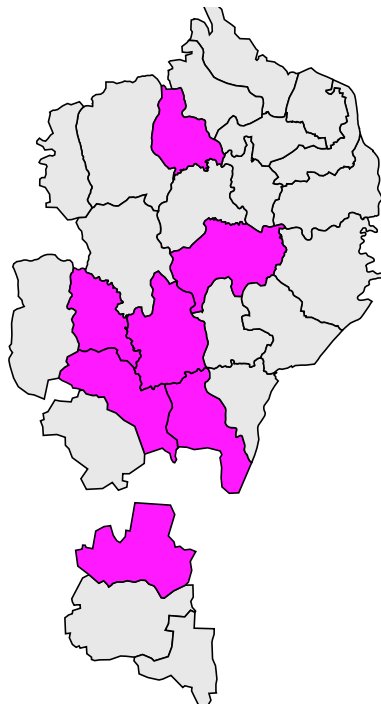


Map 2 | Map of cases by camp (W41 2020)

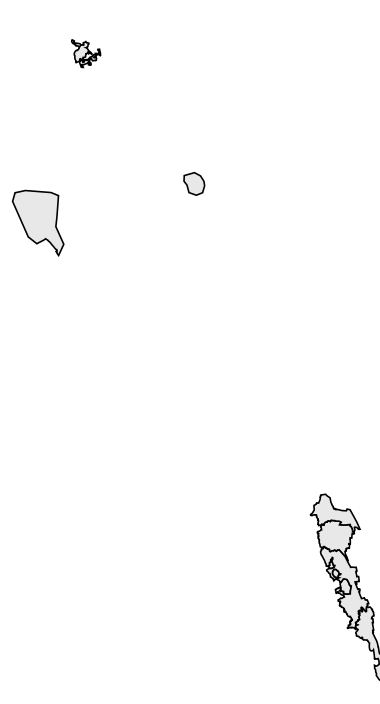
a. Ukhia | Number of cases



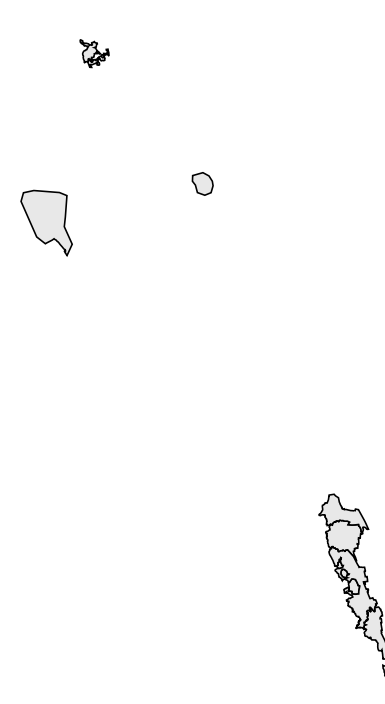
b. Ukhia | Number of alerts



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 (W41 2020)

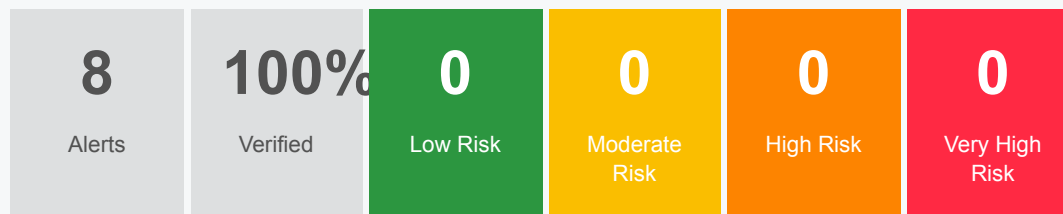
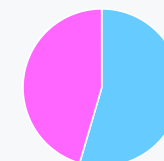


Figure | % sex



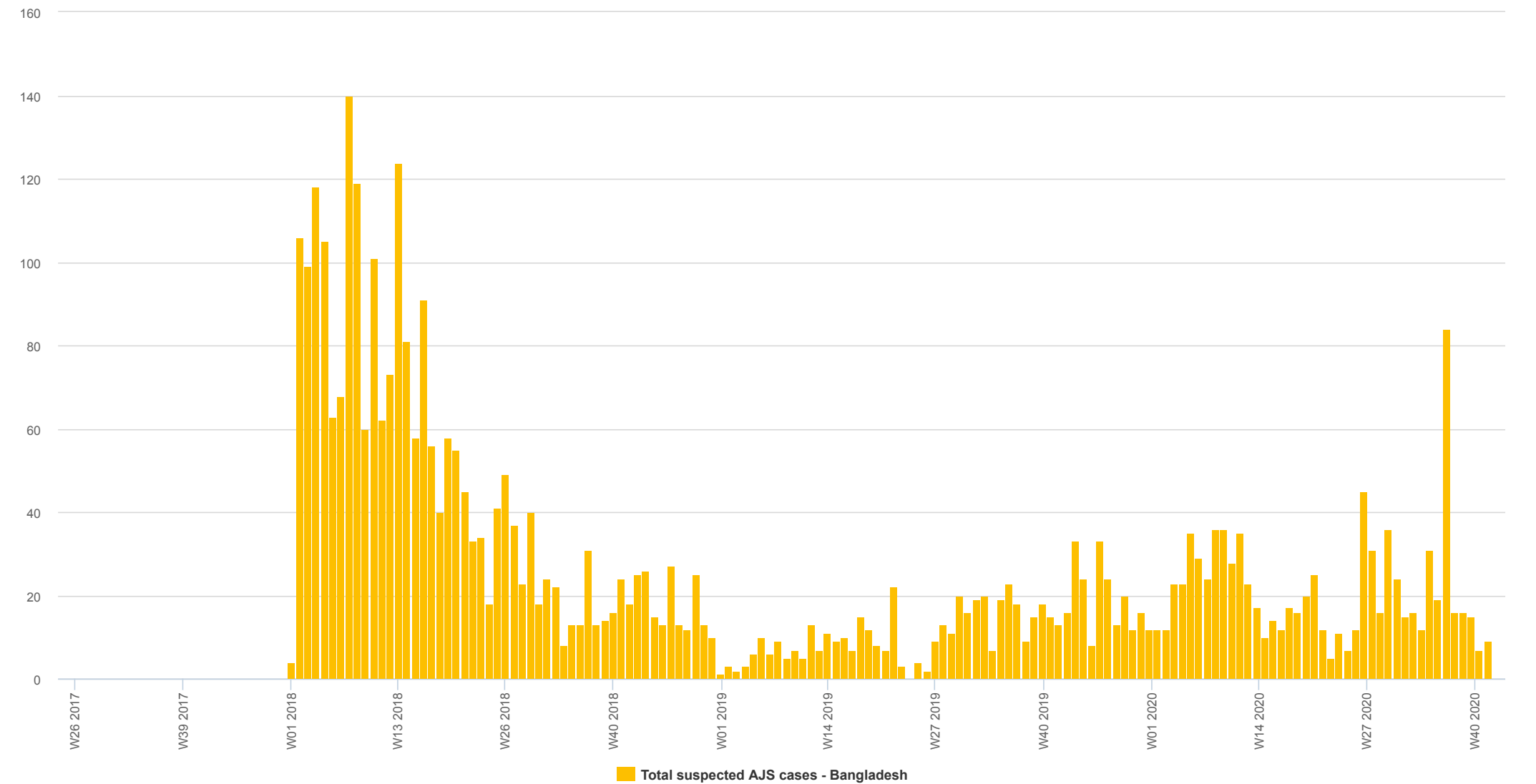
Male Female

Figure | % age



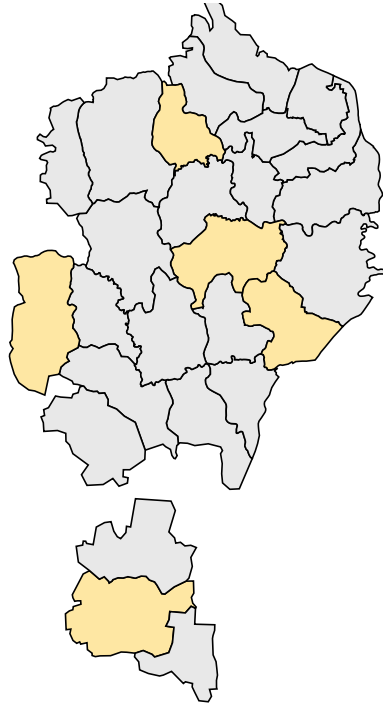
>= 5 < 5

Figure 5 | Trend in number of cases over time (W38 2017 - W41 2020)

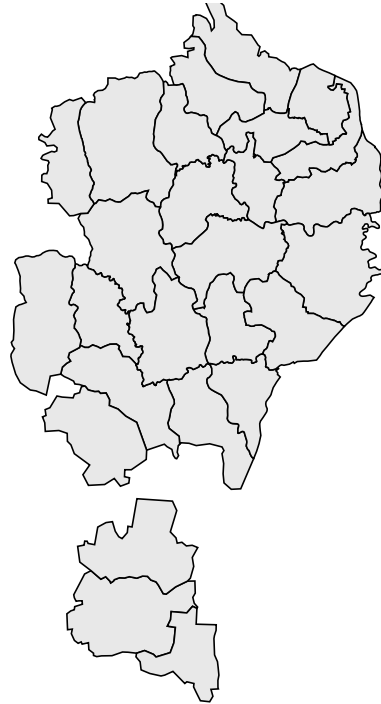


Map 3 | Map of cases by camp (W37 2017 - W41 2020)

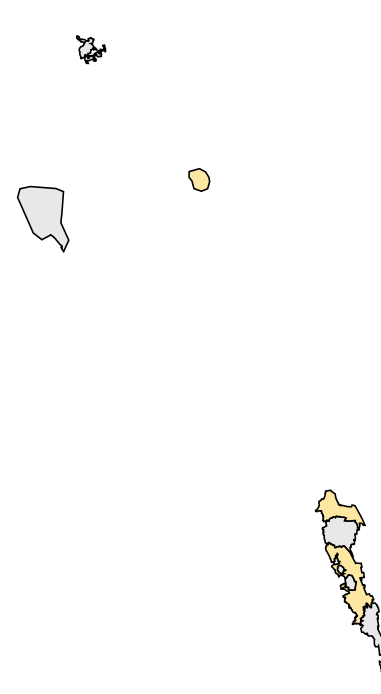
a. Ukhia | Number of cases



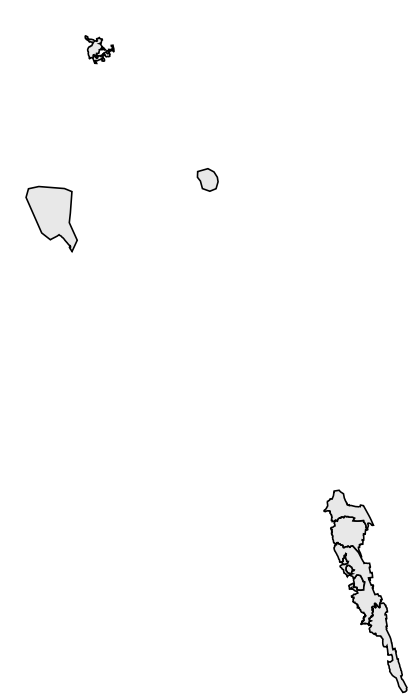
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

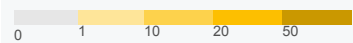


d. Teknaf | Number of alerts



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 (W41 2020)

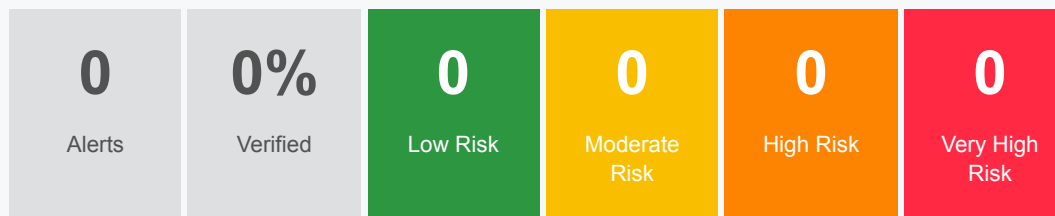


Figure | % sex

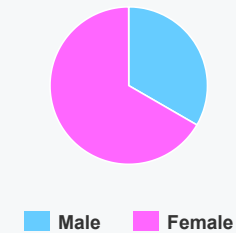


Figure | % age

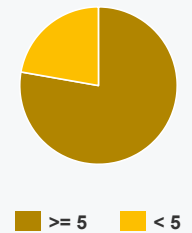


Figure 6 | Trend in number of cases over time (W38 2017 - W41 2020)

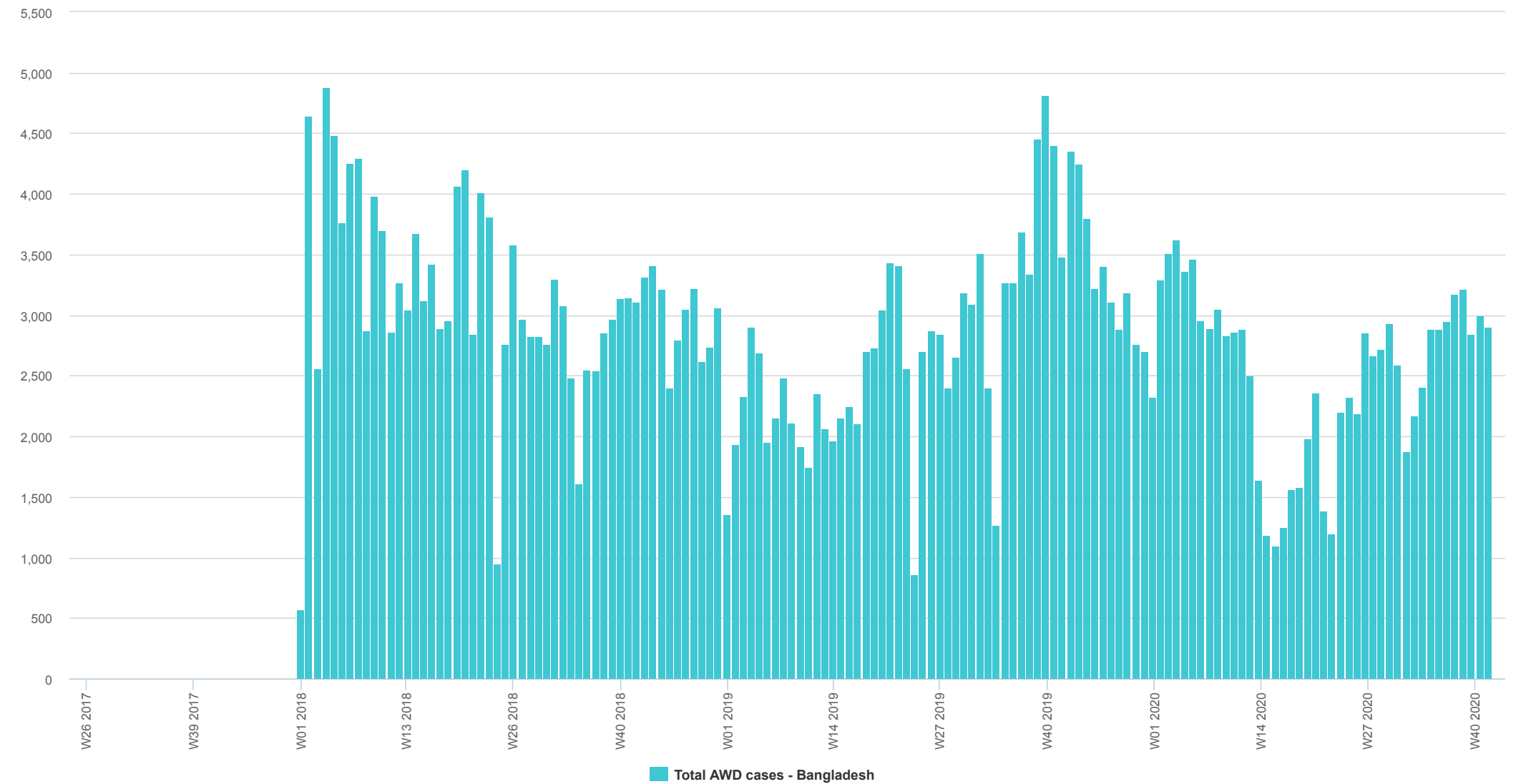
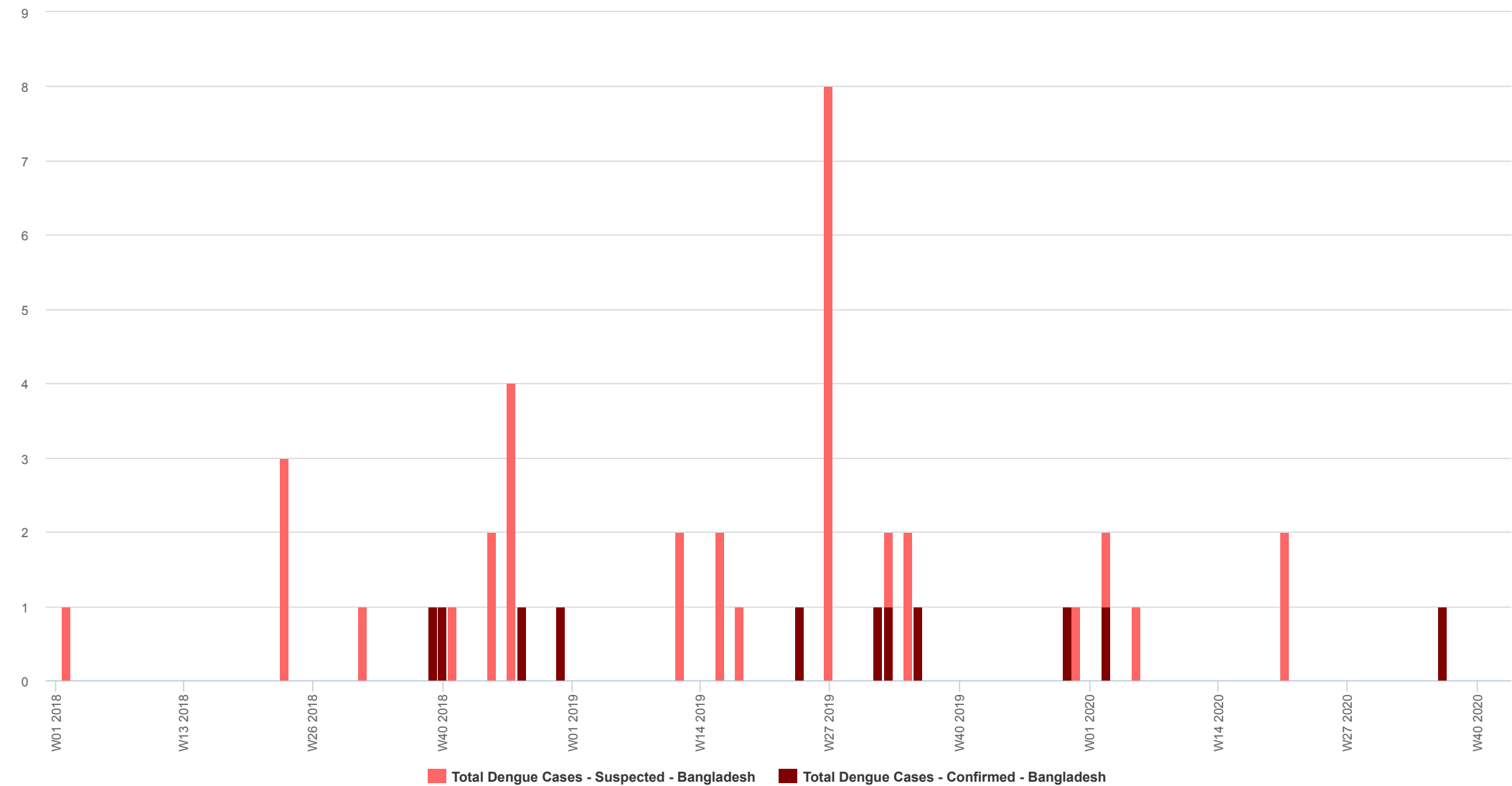


Figure 7 | Trend in number of cases over time (W38 2017 - W41 2020)



Map 4 | Map of cases by camp (W37 2017 - W41 2020)

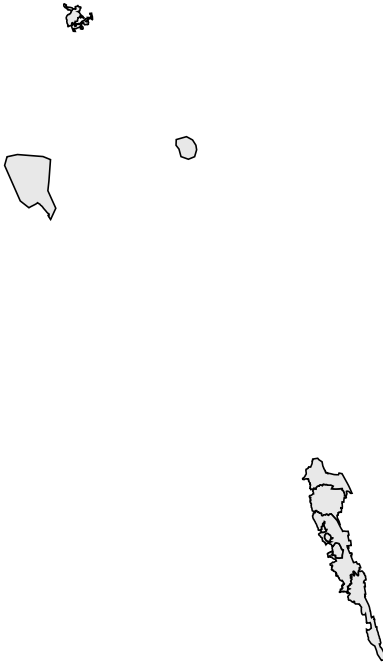
a. Ukhia | Number of cases



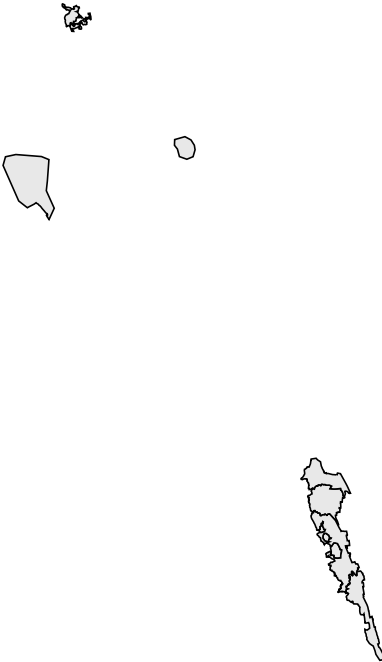
b. Ukhia | Number of alerts



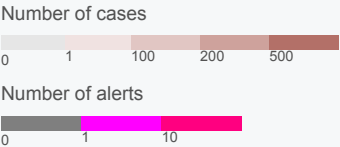
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W41 2020)

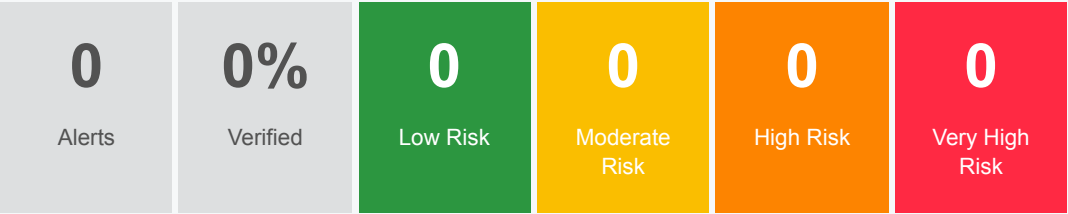


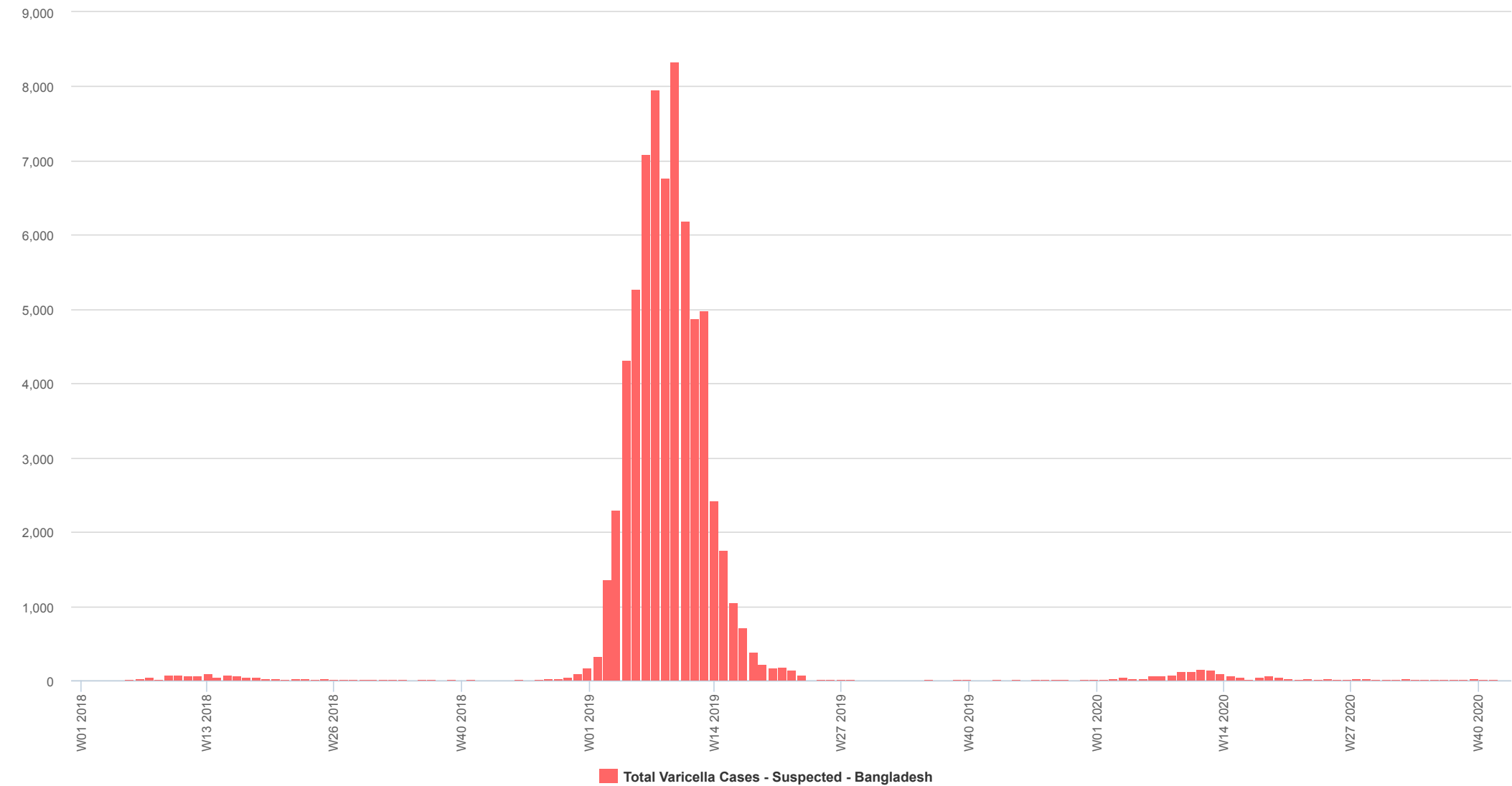
Figure | % sex



Figure | % age

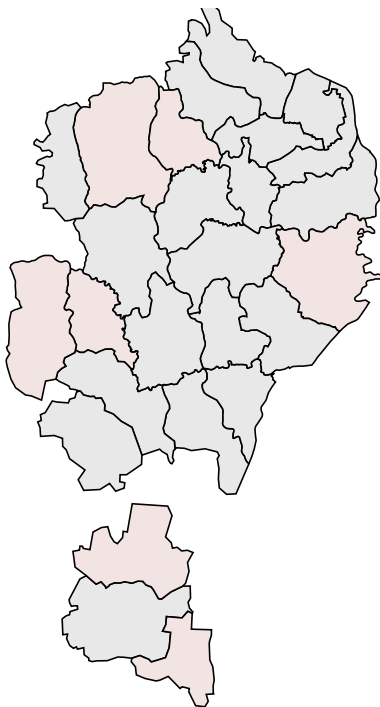


Figure 7 | Trend in number of cases over time (W38 2017 - W41 2020)

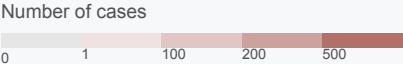


Map 4 | Map of cases by camp (W37 2017 - W41 2020)

a. Ukhia | Number of cases



Map legend



c. Teknaf | Number of cases

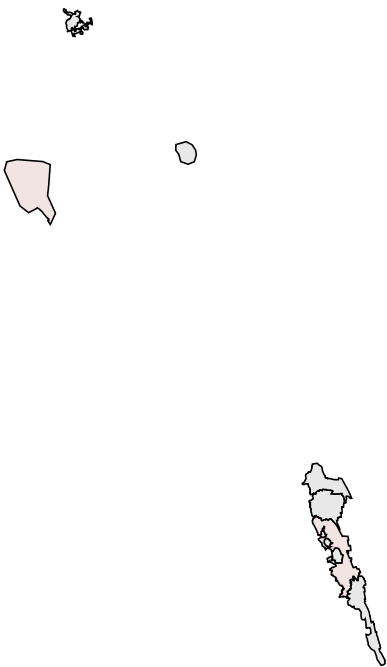


Figure | % sex

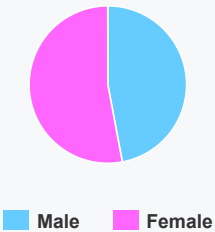
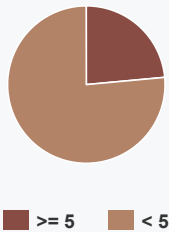


Figure | % age



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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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