



Epidemiological Highlights

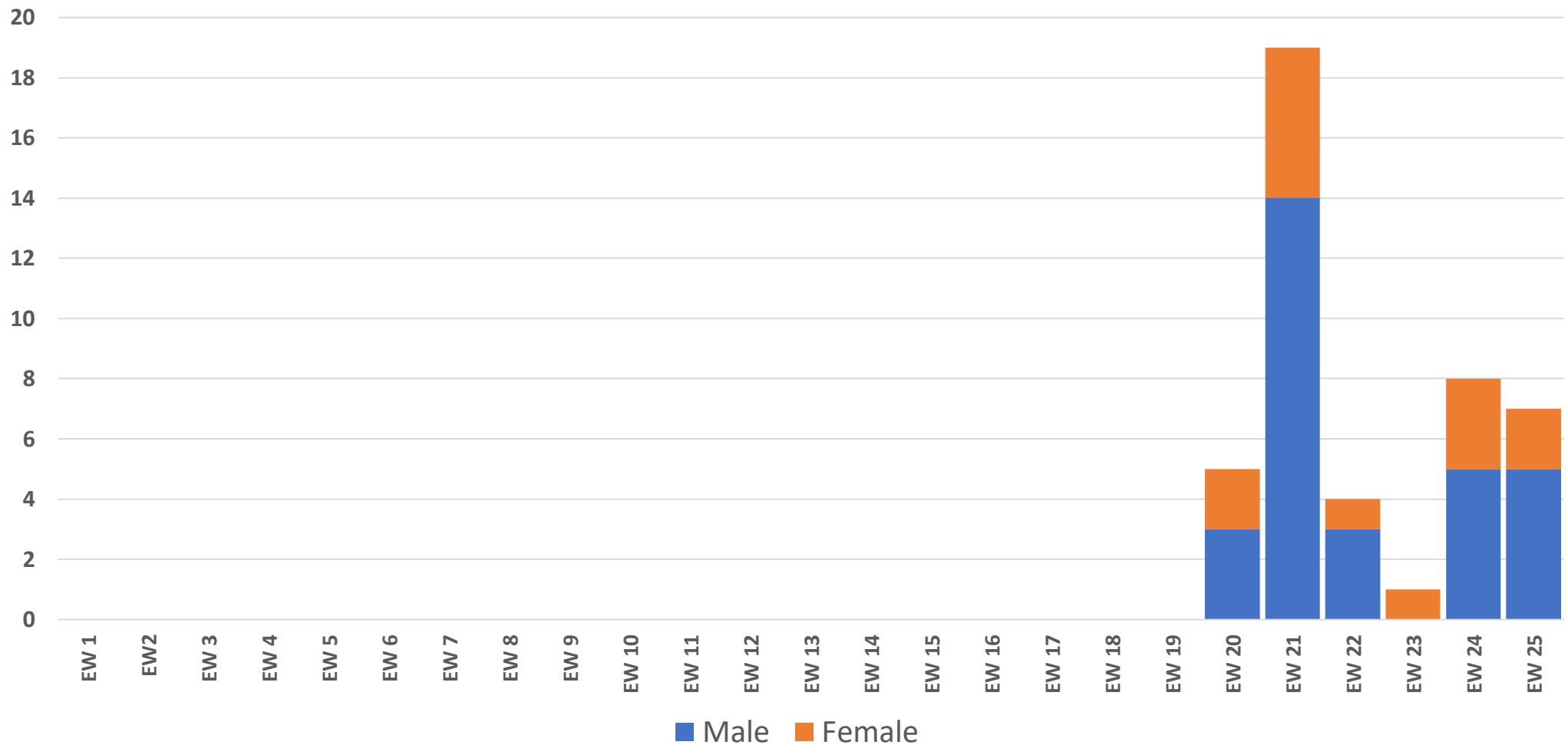
Week 25 (15-21 June 2020)



**World Health
Organization**

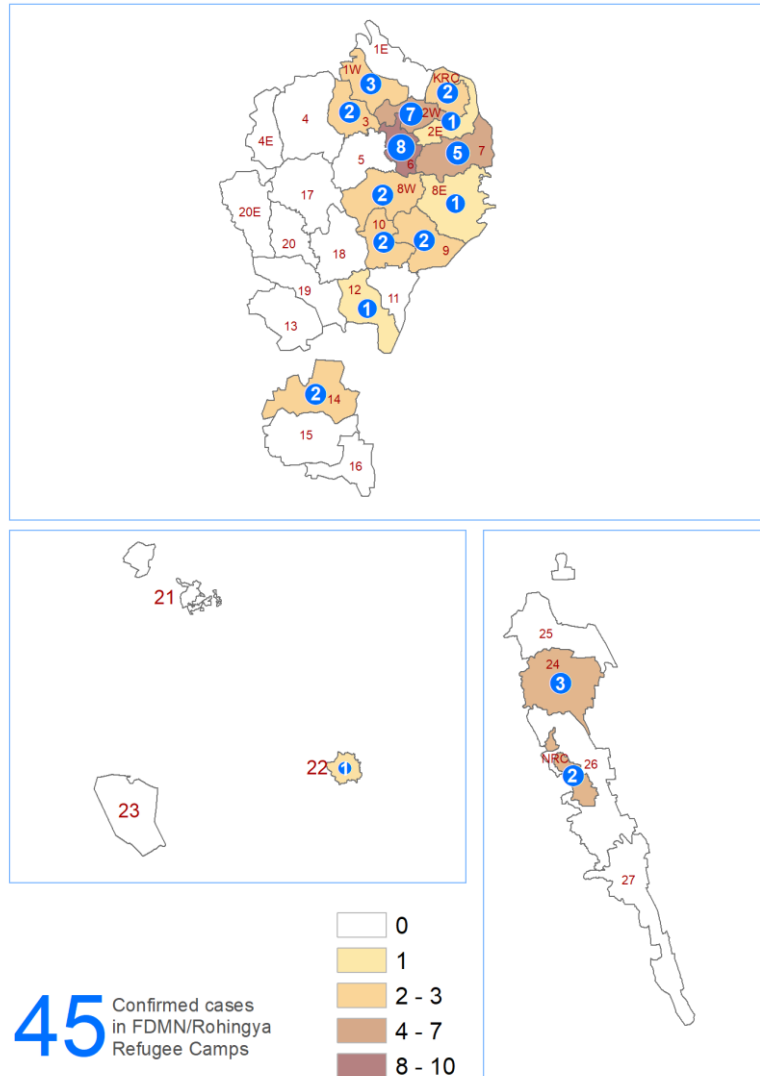
Highlights:

COVID-19 positive cases in camps (n=45)

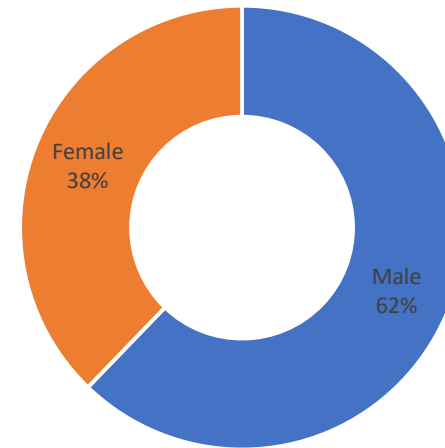


Highlights:

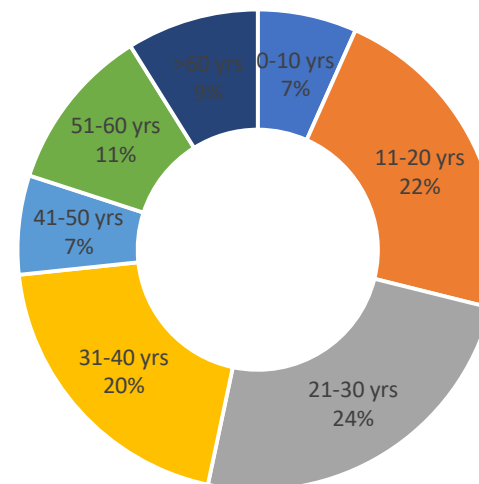
COVID-19 Cases in Rohingya Camps (As of 21 June 2020)



Sex Distribution (%) (n=45)

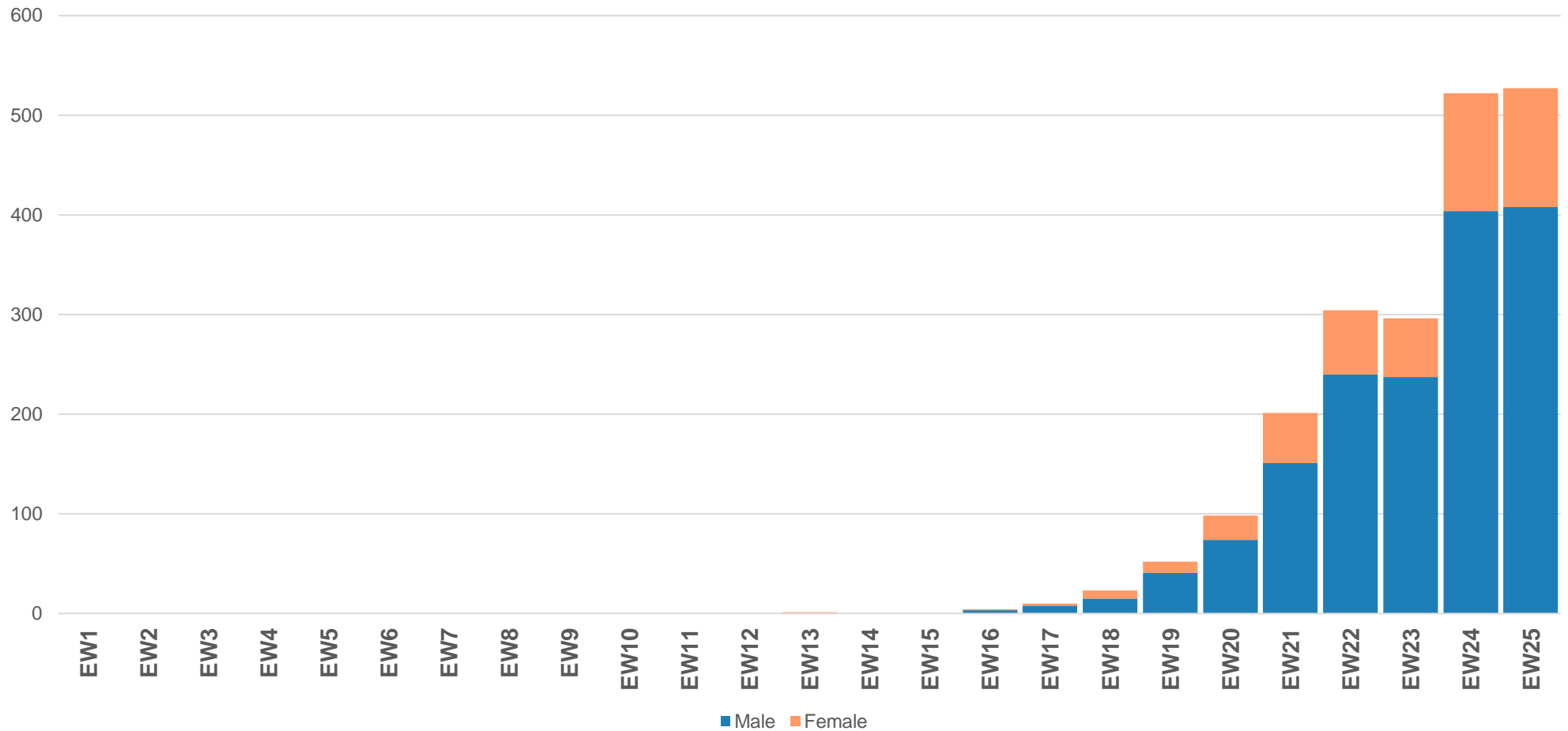


Age Group (%) (n=45)

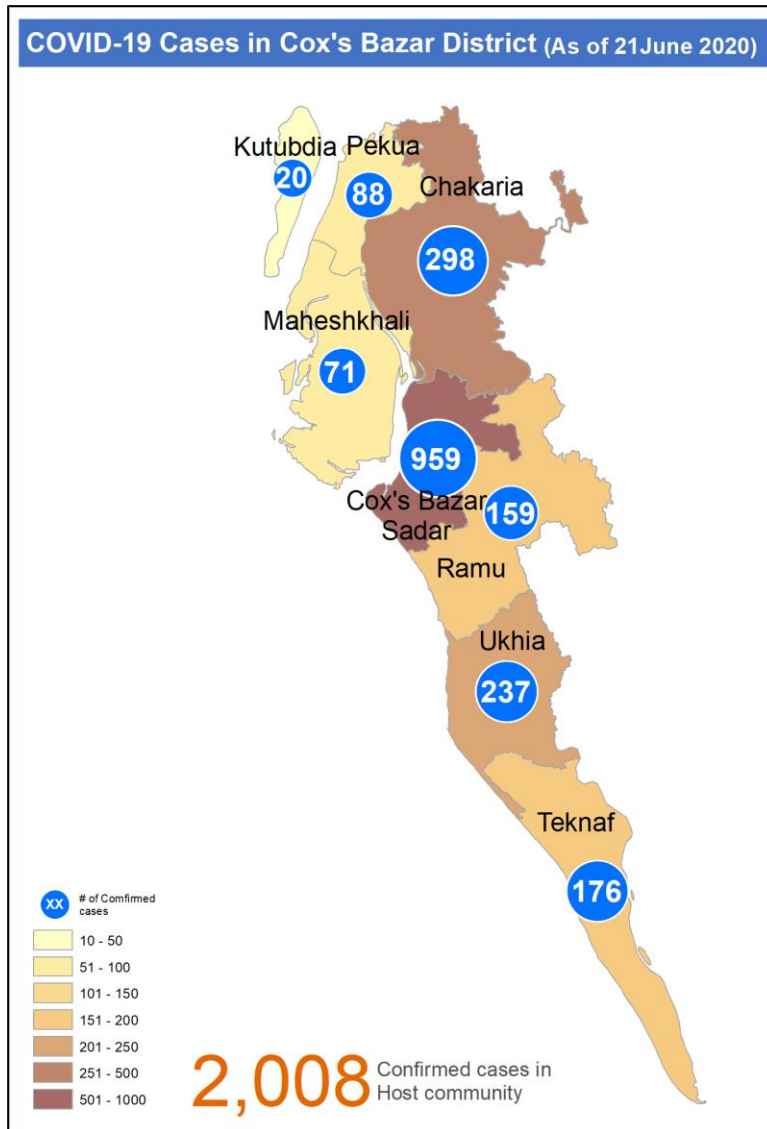


Highlights:

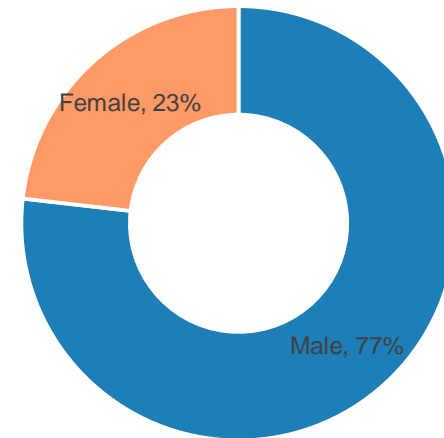
COVID-19 Positive Cases in Cox's Bazar (n=2,008)



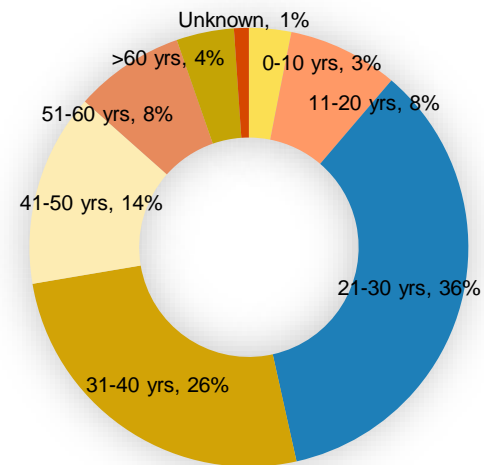
Highlights:



Sex Distribution (%) (n=2,008)



Age Group (%) (n=2,008)



Highlights:

- Acute Respiratory Infection (12.5%), Diarrheal Diseases (6.9%) & Unexplained Fever (2.2%) are the diseases with highest proportional morbidity in week 25.
- Total consultation is significantly dropped over 50% in last 3 months. Out of total consultation, ARI contributed 12.5% in week 25 decreased from 26.4% in week 12.
- Two third reduction of total ARI consultation indicates changes in specific health seeking behavior of refugee population.
- Community-based mortality surveillance has included SARI death in weekly reporting. Two (02) SARI death has been reported so far.

EWARS Reporting Updates

- Total 138/166 (83%) health facilities registered in EWARS
- Only 112/138 weekly reports received in week 25.
- Completeness and Timeliness for this week is 79%.
- Total 43 alerts were triggered in week 25.
- All alerts were reviewed and verified by WHO EWARS team which is less than as of previous week (78 in week 24).

Diphtheria

No diphtheria case reported in go.data in week 25

A total of 9 120 case-patients were reported since 2017 to till date

- Confirmed = 329
- Probable = 2785
- Suspected = 6006

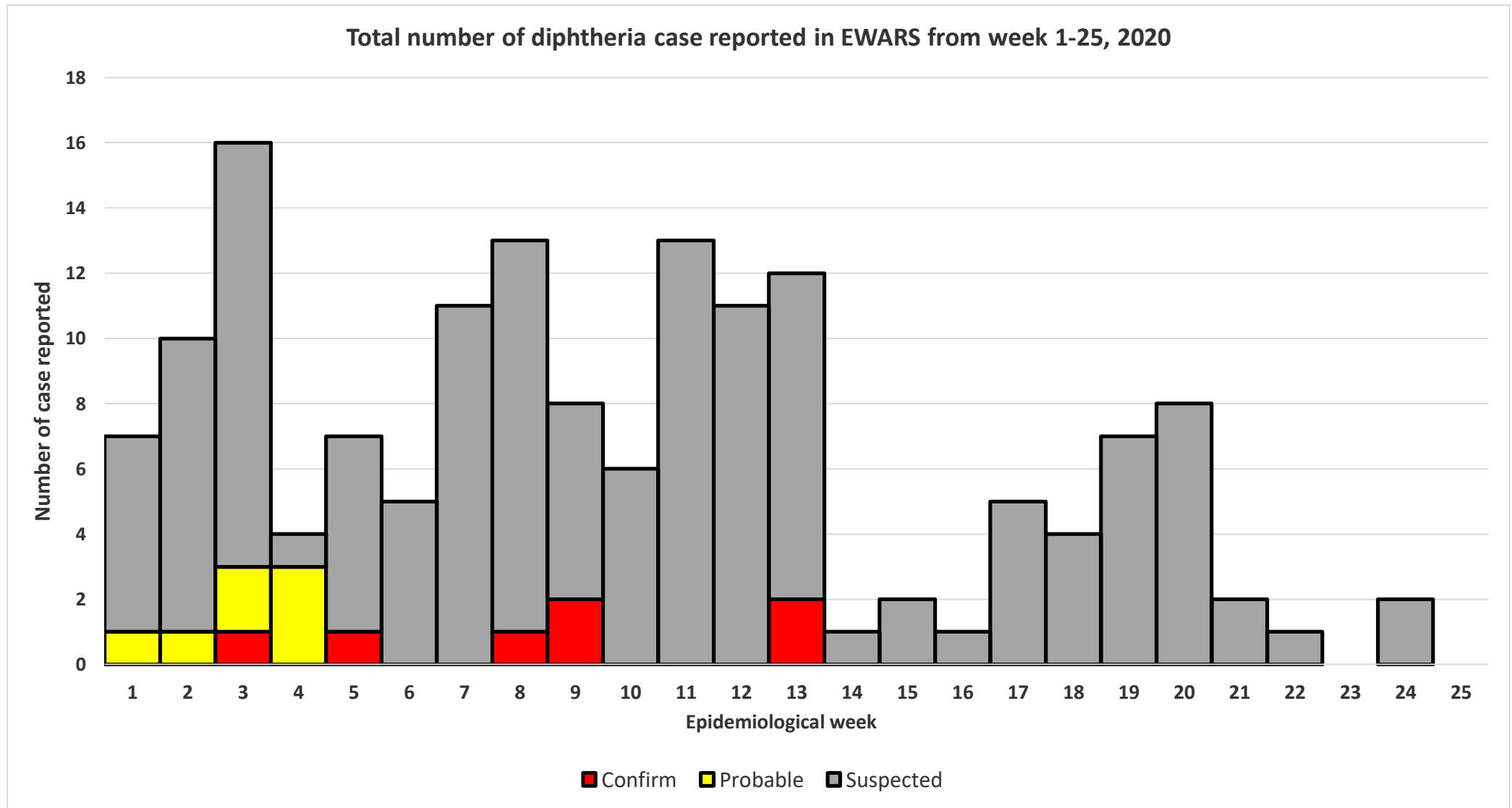
Total Case reported in 2020 = 156

- Confirmed = 7
- Probable = 7
- Suspected = 142

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

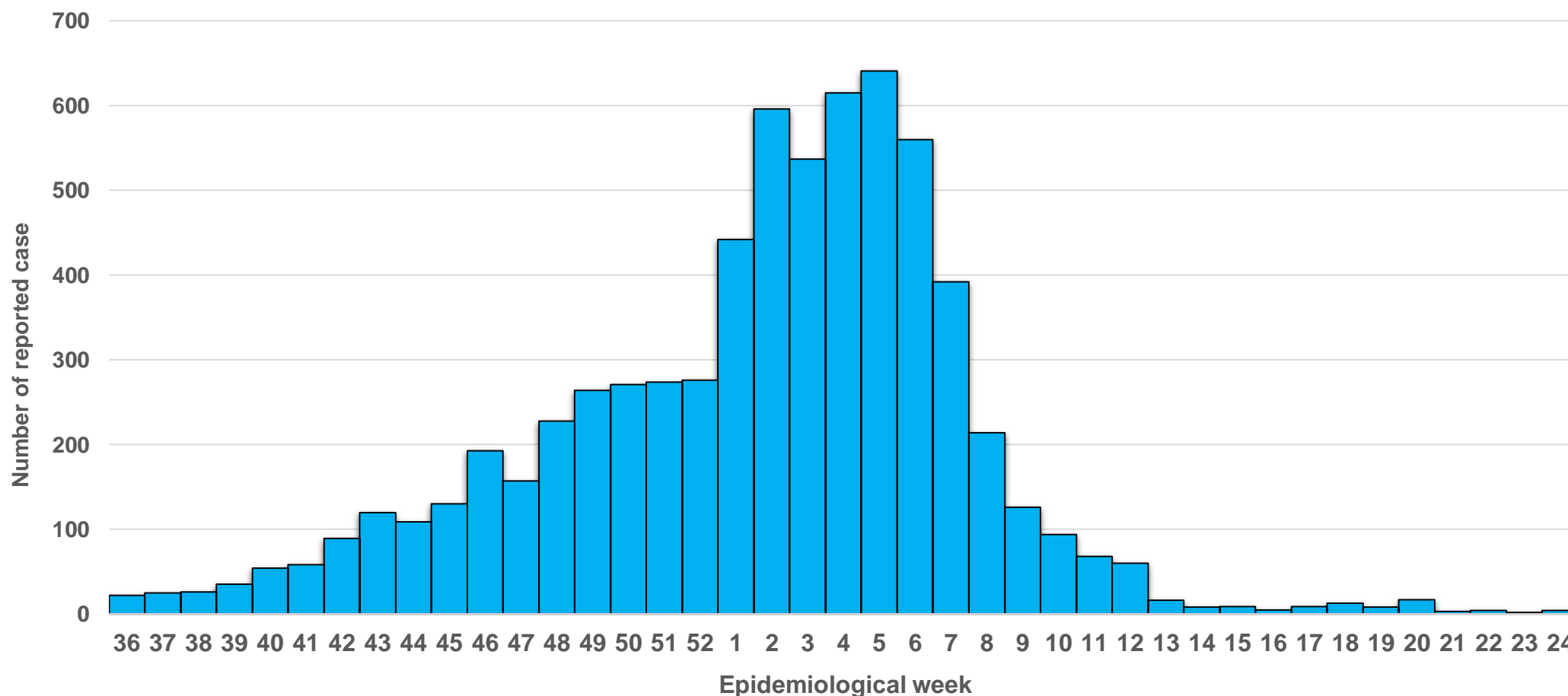
Total deaths reported is 47. Last death was reported on 25 October 2019

Diphtheria



Measles

Total number of Measles case reported in EWARS from week 36, 2019 to week 25, 2020



Total 2 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 25.
Aggregated weekly report: 4,410. Individual case report (CRF): 2,451 (56%) .

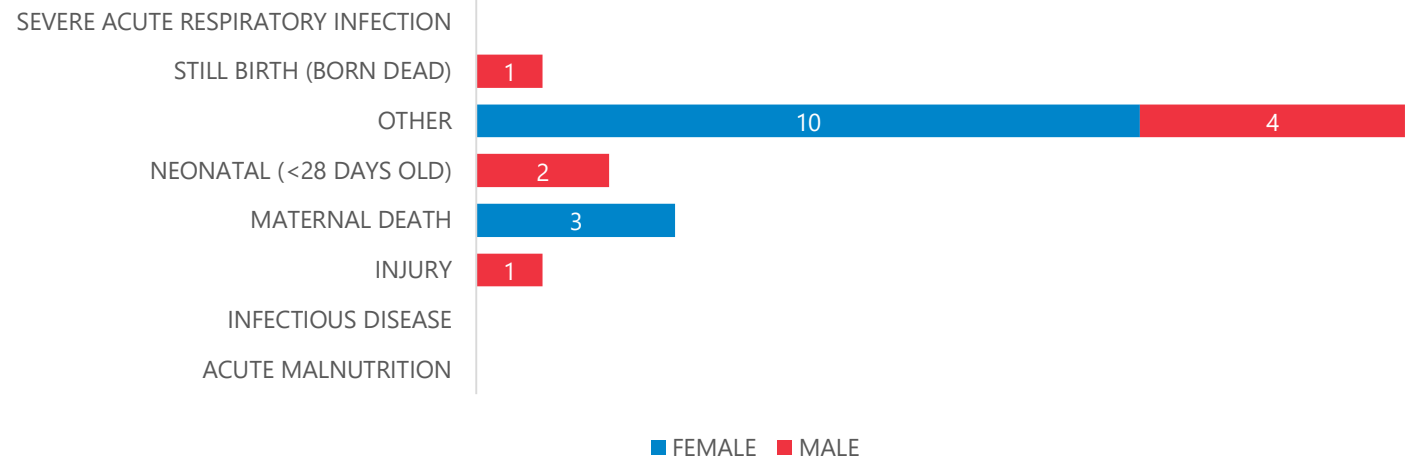
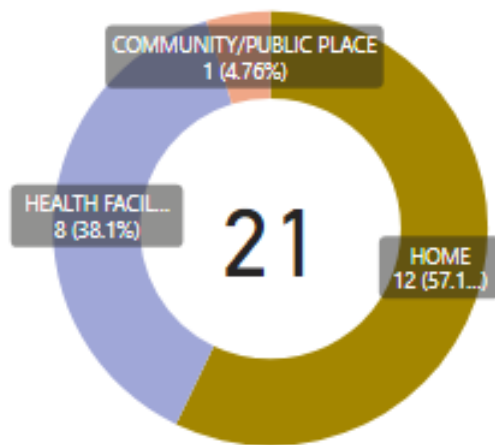
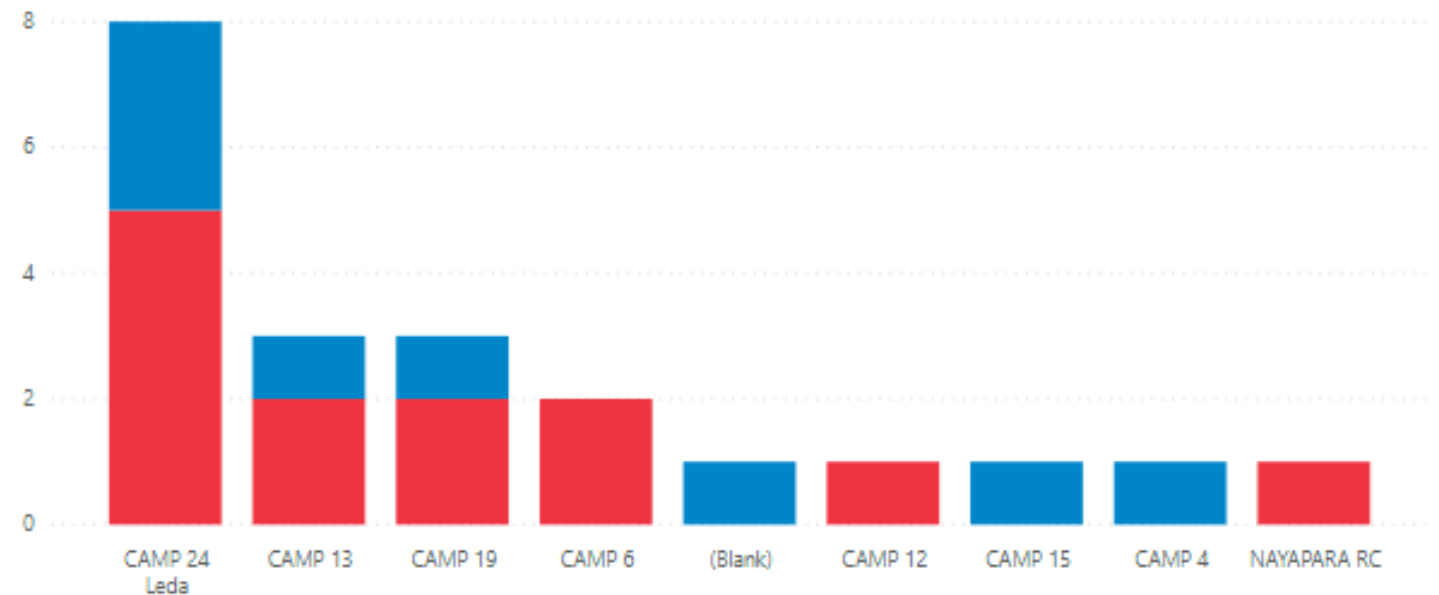
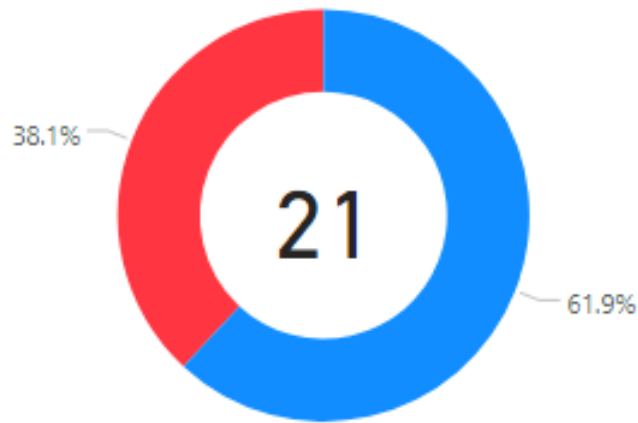
Diarrhoeal Disease

- A total 2 574 cases of diarrhoeal diseases reported in EWARS in week 25
- Among which 1884 cases (5.1%) reported as acute watery diarrhoea (AWD), 454 (1.2%) and 236 (0.6%) 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 25 total of 21 deaths were recorded due to 14 causes classified as “Others” , 2 neonatal death, 3 maternal death, 1 still birth and 1 injury
- One mortality alert raised for women of reproductive age (12-49 years).
- Eight of deaths reported from health facility and 1 from community and 12 from 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 Mortality Surveillance



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W25 2020



Ministry of Health and Family
Welfare Bangladesh



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Sources of data

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

Highlights W25 2020

Table 1 | Coverage

#	%	
854,704	-	Estimated total Rohingya population ¹
854,704	100%	Total population under surveillance
166	-	Total number of health facilities
138	83%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W25	Cumulative (2020)	
112	3416	Number of weekly reports received
79%	91%	Completeness
79%	82%	Timeliness

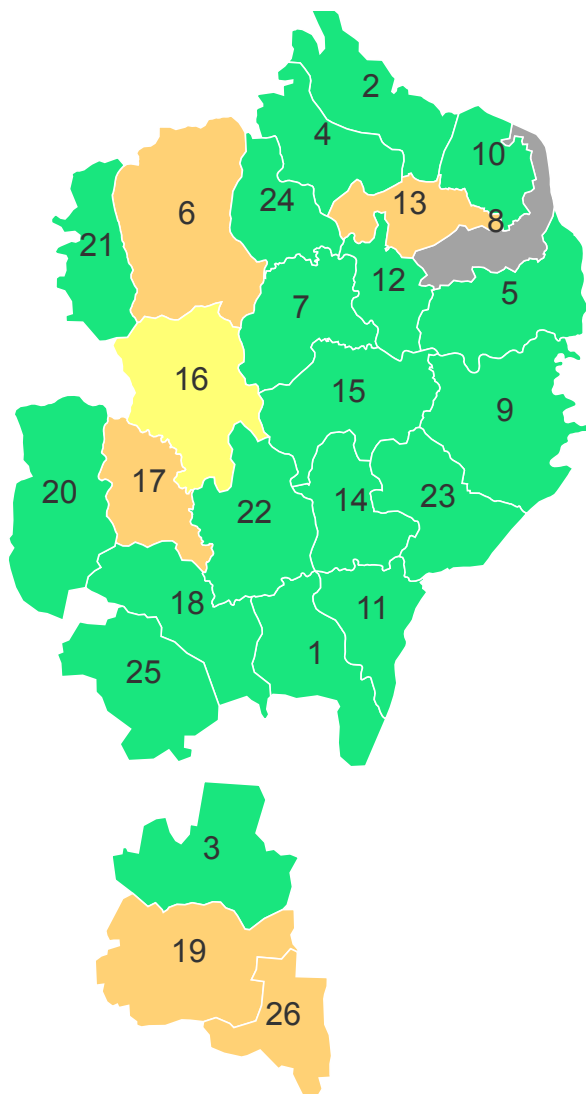
Table 3 Alert performance indicators

W25	Cumulative (2020)	
43	1,582	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	1%	% completed risk assessment

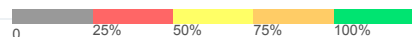
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2019.

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 Camp 5
- 8 Camp 2E
- 9 Camp 8E
- 10 Kutupalong RC
- 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 13
- 26 Camp 16

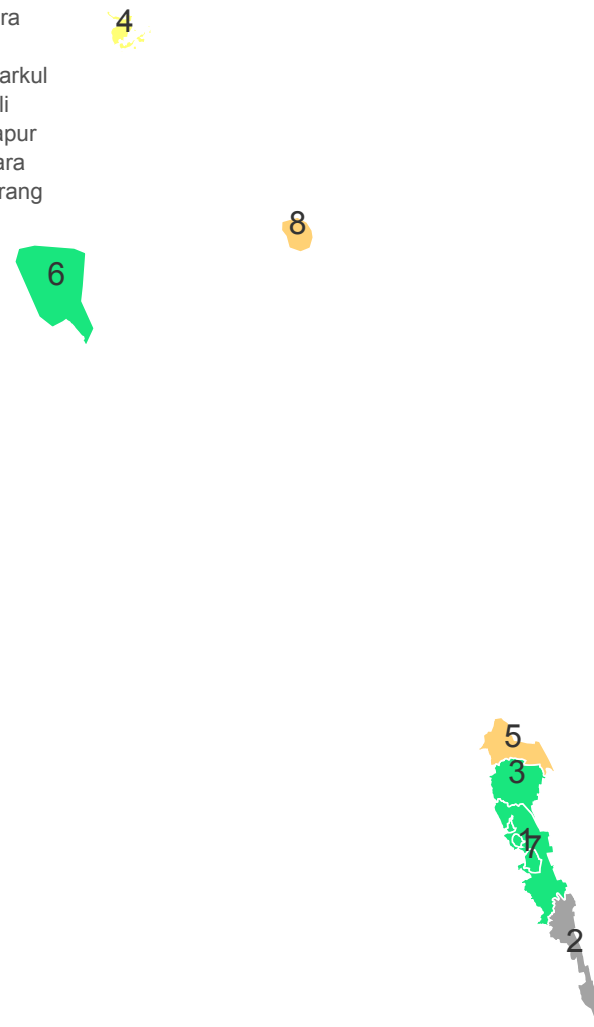


Completeness



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

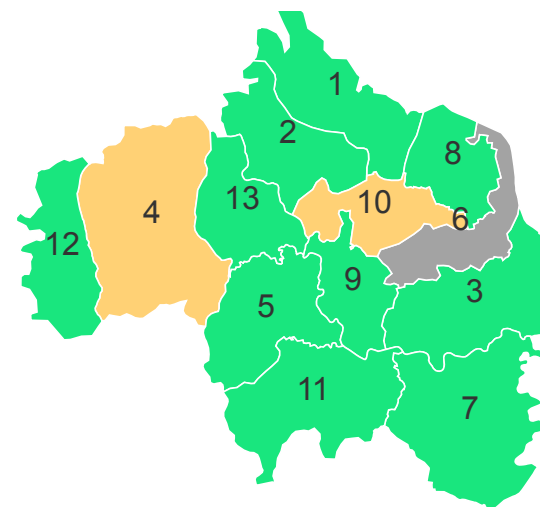


Table 4 | Performance by camp (W25 2020)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 1E	4	5	125%	125%
Camp 1W	3	3	100%	100%
Camp 2E	1	0	0%	0%
Camp 2W	2	1	50%	50%
Camp 3	6	6	100%	100%
Camp 4	6	3	60%	60%
Camp 4 Ext	1	1	100%	100%
Camp 5	4	4	100%	100%
Camp 6	2	2	100%	100%
Camp 7	5	5	100%	100%
Camp 8E	7	5	83%	83%
Camp 8W	7	6	86%	86%
Kutupalong RC	1	1	100%	100%

Map 2 | Completeness by camp

- 1 Camp 1E
- 2 Camp 1W
- 3 Camp 7
- 4 Camp 4
- 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



Completeness



Table 5 | Performance by camp (W25 2020)

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

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 13
- 13 Camp 16

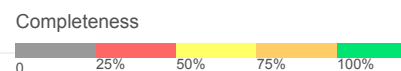
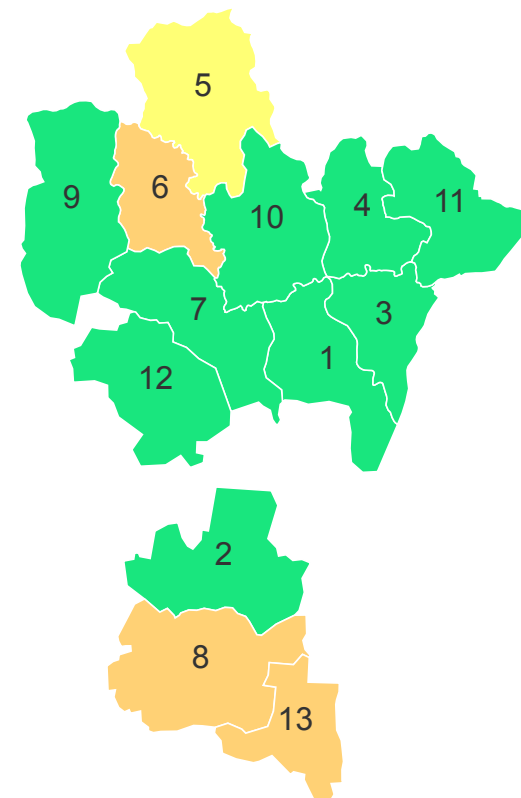
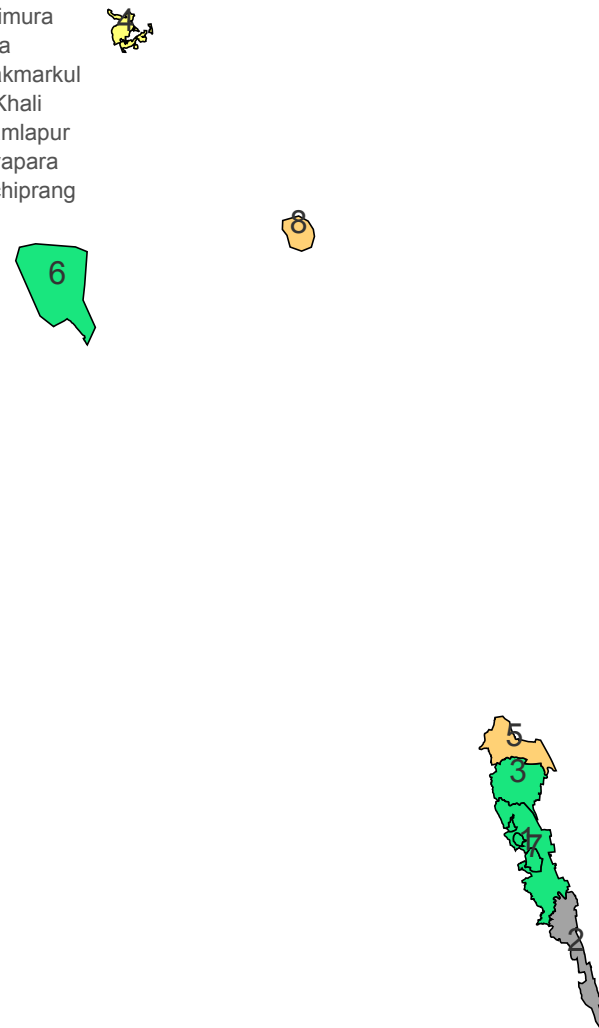


Table 6 | Performance by camp (W25 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	2	33%	33%
Camp 22 Unchiprang	4	2	67%	67%
Camp 23 Shamlapur	4	3	100%	100%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	2	67%	67%
Camp 26 Nayapara	1	1	100%	100%
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 (W25 2020)

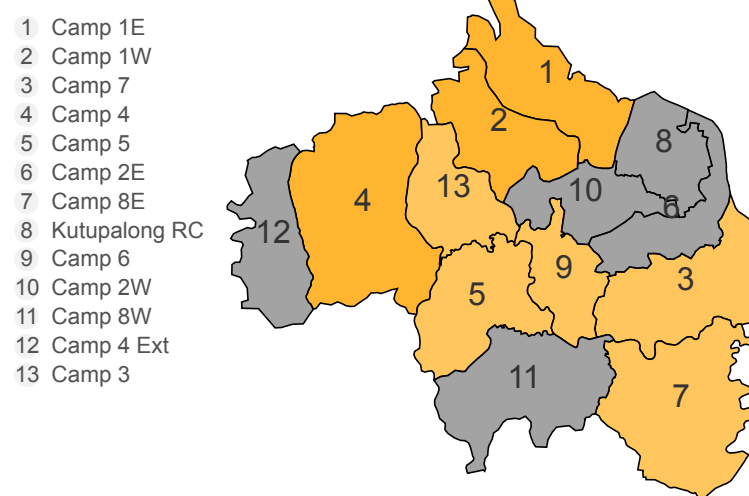
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	4	2	50%	50%
BRAC	11	12	109%	109%
CARE	4	4	100%	100%
FHM	1	0	0%	0%
FRNDS	12	12	100%	100%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	15	12	80%	80%
IRC	2	2	100%	100%
MSF	8	3	38%	38%
MoH	0	1	0%	0%
Hope	1	0	0%	0%
Medair	1	1	100%	100%

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

Table 8 | Performance by camp

Northern group	W25		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	5	100%	41	100%
Camp 1W	3	100%	22	100%
Camp 2E	0	0%	35	100%
Camp 2W	0	0%	37	100%
Camp 3	1	100%	112	100%
Camp 4	3	100%	109	100%
Camp 4 Ext	0	0%	11	100%
Camp 5	1	100%	87	100%
Camp 6	2	100%	18	100%
Camp 7	1	100%	34	100%
Camp 8E	1	100%	20	100%
Camp 8W	0	0%	66	98%
Kutupalong RC	0	0%	12	100%

Map 5 | Number of alerts by camp



of alerts

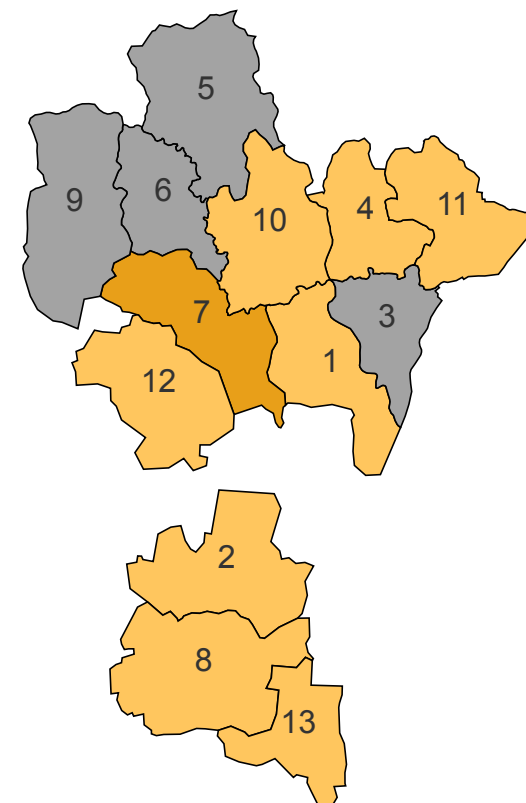


Table 9 | Performance by camp

Southern group	W25		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	2	100%	41	100%
Camp 11	0	0%	62	100%
Camp 12	1	100%	90	100%
Camp 13	1	100%	73	100%
Camp 14	2	100%	56	100%
Camp 15	1	100%	81	100%
Camp 16	2	100%	85	96%
Camp 17	0	0%	42	100%
Camp 18	2	100%	44	100%
Camp 19	6	100%	58	100%
Camp 20	0	0%	40	100%
Camp 20 Ext	0	0%	8	100%
Camp 9	1	100%	71	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 13
- 13 Camp 16



of alerts



Table 10 | Performance by camp

Teknaf	W25		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	0	0%	39	100%
Camp 22 Unchiprang	2	100%	18	100%
Camp 23 Shamlapur	0	0%	20	100%
Camp 24 Leda	0	0%	17	100%
Camp 25 Ali Khali	0	0%	15	100%
Camp 26 Nayapara	0	0%	42	100%
Camp 27 Jadimura	0	0%	15	100%
Nayapara RC	1	100%	16	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

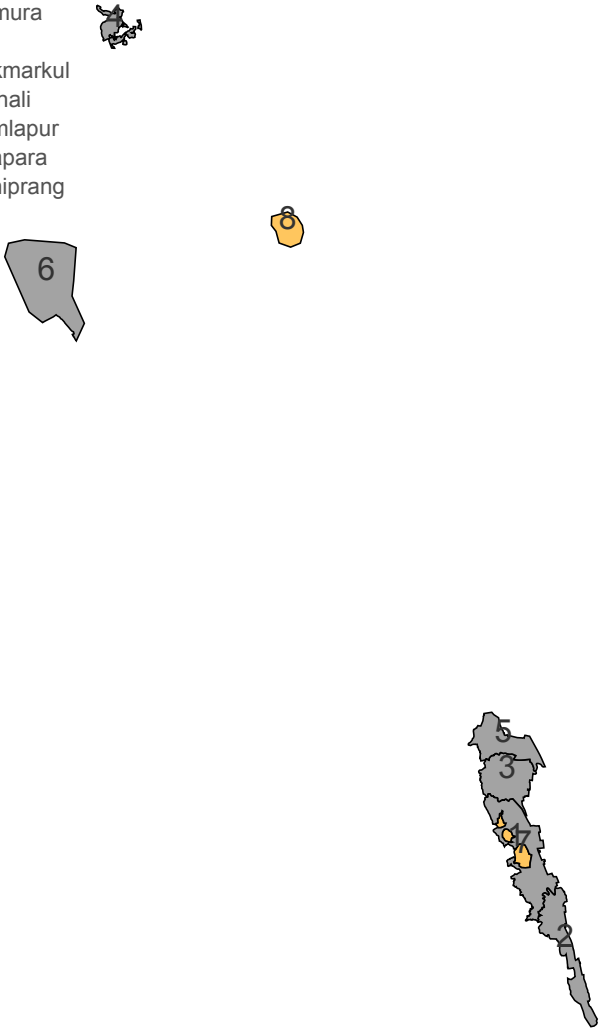


Table 11 | Performance by type of alert

Event	W25		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	2	100%	666	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	5	100%
Meningitis	0	0%	10	100%
Haem. fever (susp.)	0	0%	8	100%
NNT	0	0%	1	100%
Unexp. fever	6	100%	112	100%
AWD	10	100%	137	100%
ARI	10	100%	131	100%
AJS	0	0%	58	100%
Varicella (Susp.)	0	0%	10	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	2	100%	101	100%

Table 12 | Risk assessment

W25	Cumulative (2020)	
0	16	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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Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W25 2020



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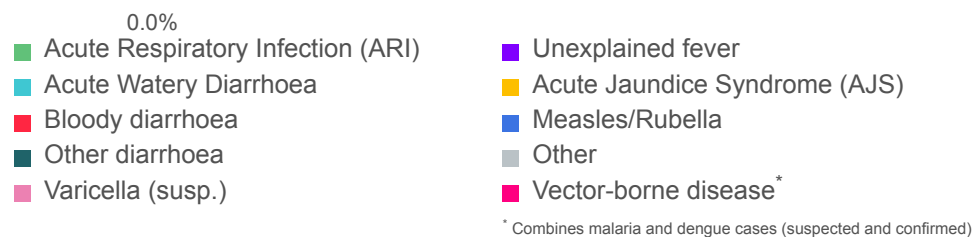
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Proportional morbidity

Figure 1 | Proportional morbidity (W25 2020)



Disease	W25		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	1,884	5.1%	61,243	4.5%
Bloody diarr.	236	0.6%	7,932	0.6%
Other diarr.	454	1.2%	23,441	1.7%
Susp. Varicella	12	0.0%	1,378	0.1%
ARI	4,565	12.5%	300,389	22.0%
Measles/Rub.	2	0.0%	4,410	0.3%
AFP	0	0.0%	5	0.0%
Susp. menin.	0	0.0%	33	0.0%
AJS	5	0.0%	483	0.0%
Susp. HF	0	0.0%	12	0.0%
Neo. tetanus	0	0.0%	1	0.0%
Adult tetanus	0	0.0%	1	0.0%
Malaria (conf.)	0	0.0%	6	0.0%
Malaria (susp.)	420	1.1%	1,543	0.1%
Dengue (conf.)	0	0.0%	1	0.0%
Dengue (susp.)	0	0.0%	4	0.0%
Unexpl. fever	821	2.2%	28,998	2.1%
Sev. Malnut.	8	0.0%	589	0.0%
Inj./Wounds	917	2.5%	36,303	2.7%
Other	27,252	74.5%	897,630	65.8%
Total	35,765	100%	1,364,892	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W25)

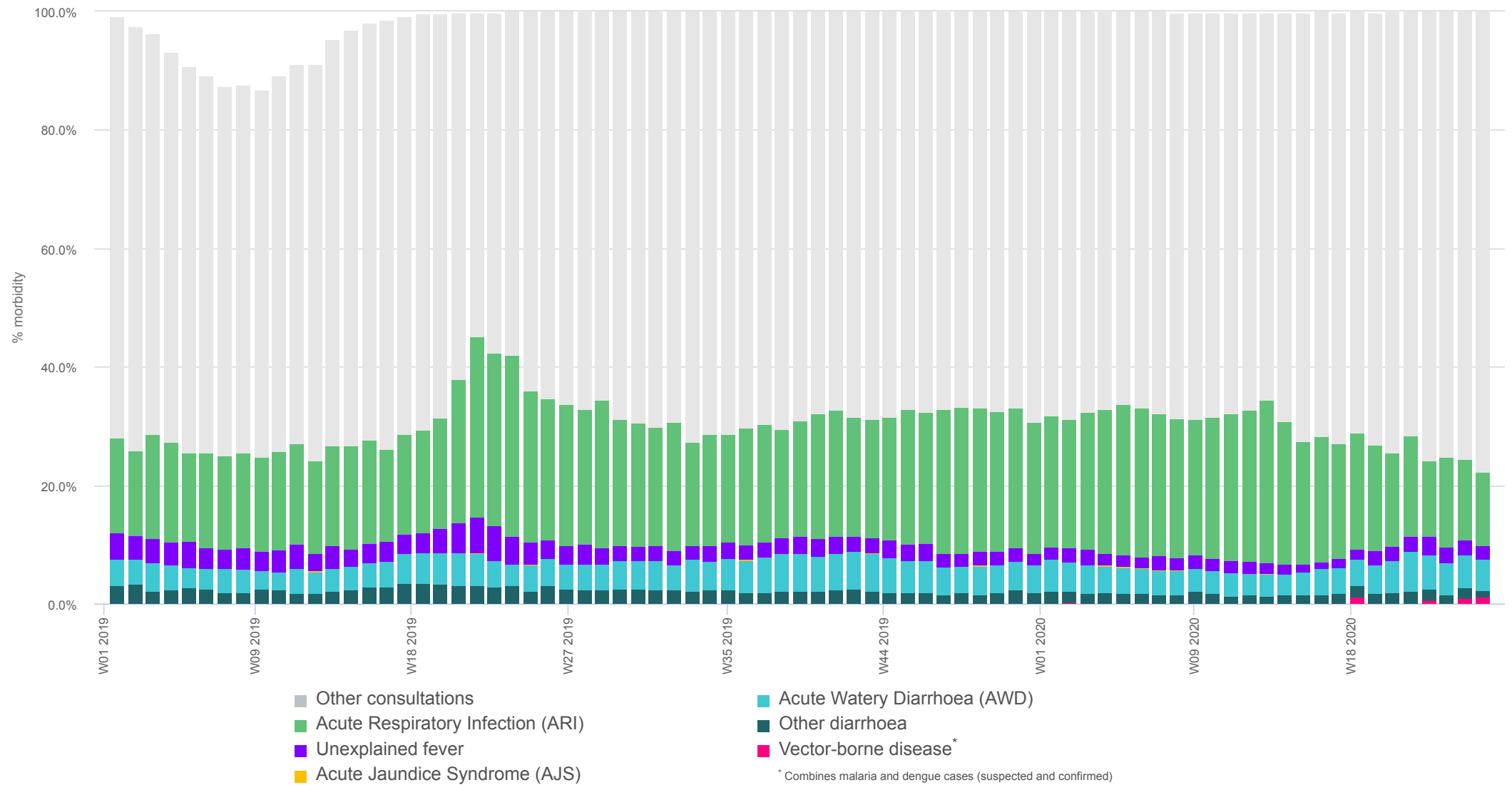
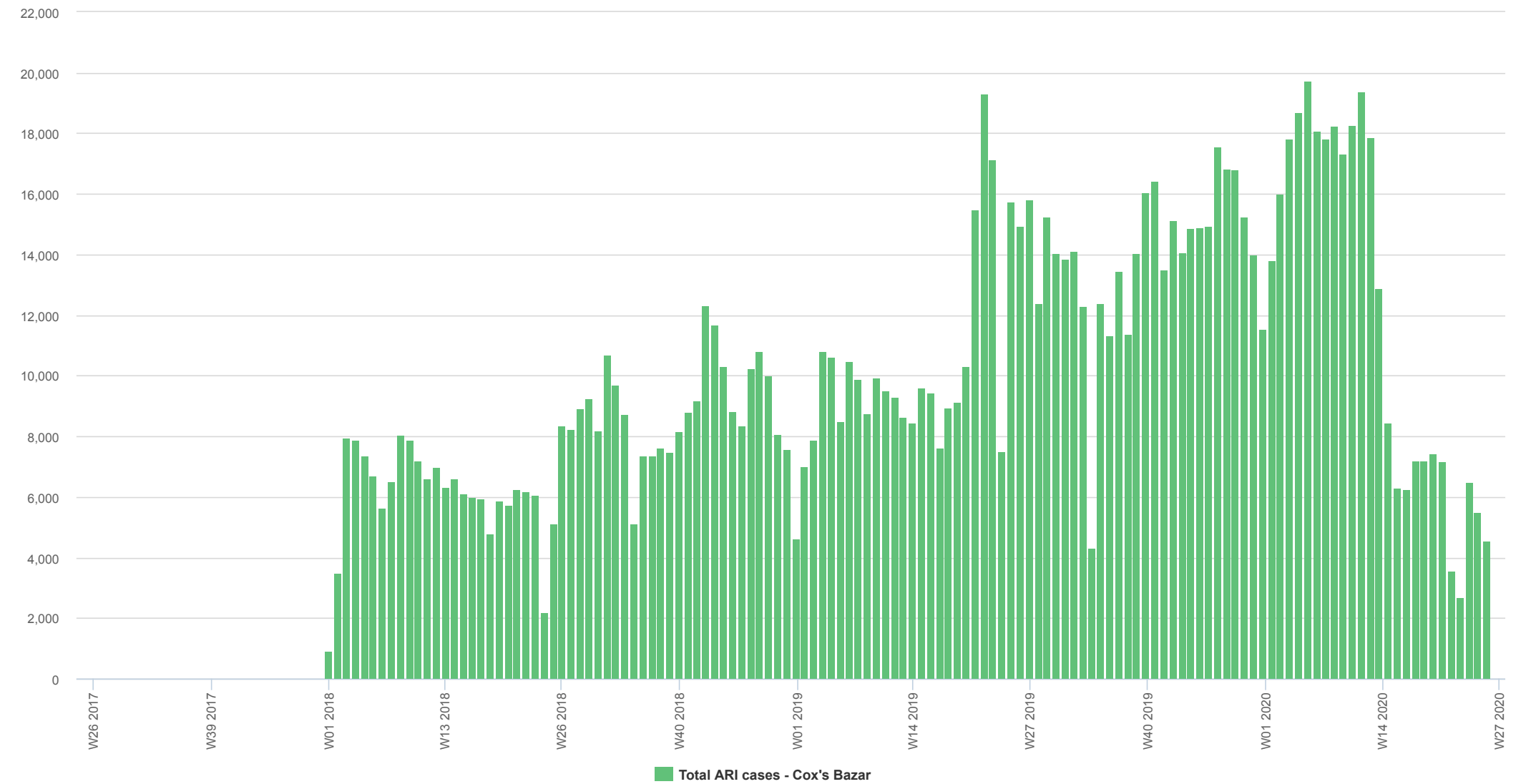
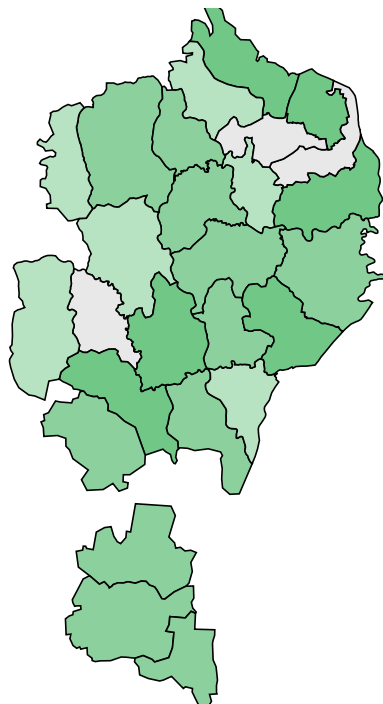


Figure 3 | Trend in number of cases over time (W38 2017 - W25 2020)

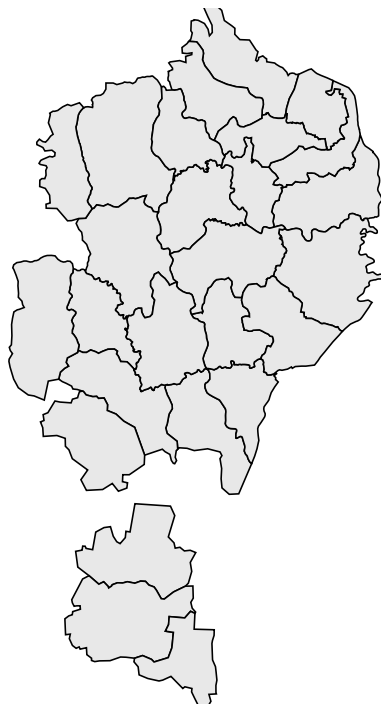


Map 1 | Map of cases by camp (W25 2020)

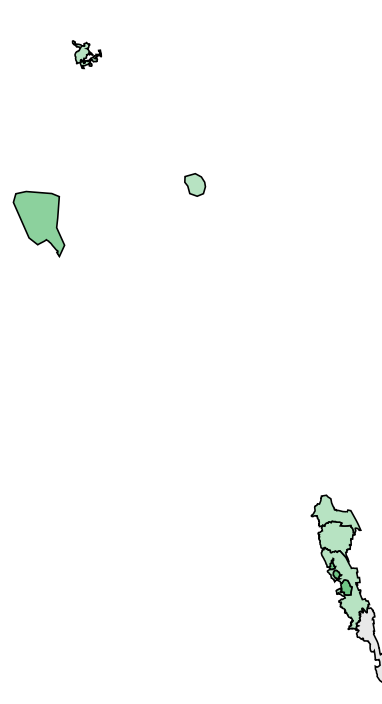
a. Ukhia | Number of cases



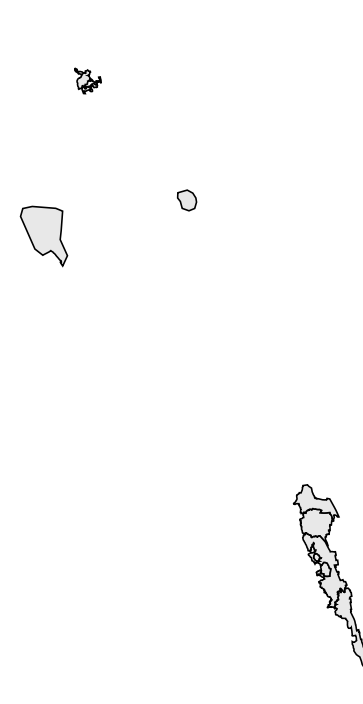
b. Ukhia | Number of alerts



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 (W25 2020)

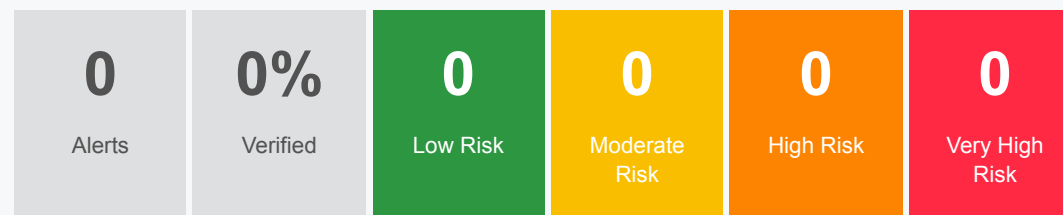
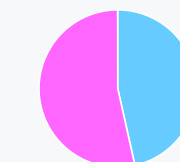
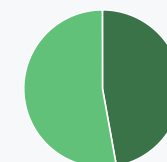


Figure | % sex



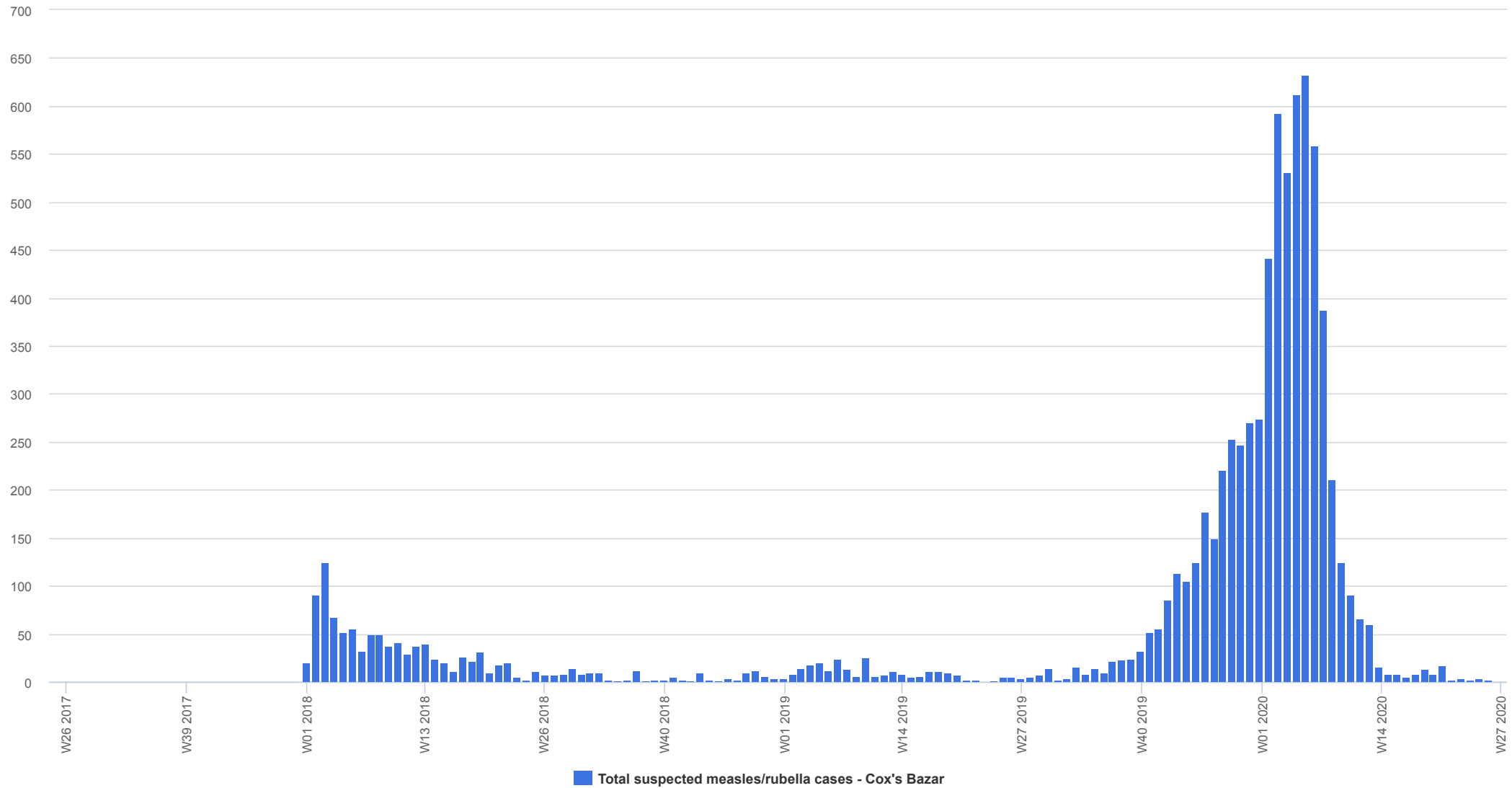
Male Female

Figure | % age



>= 5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W25 2020)

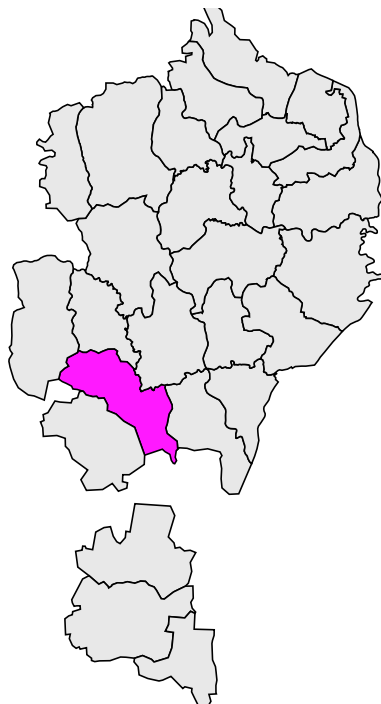


Map 2 | Map of cases by camp (W25 2020)

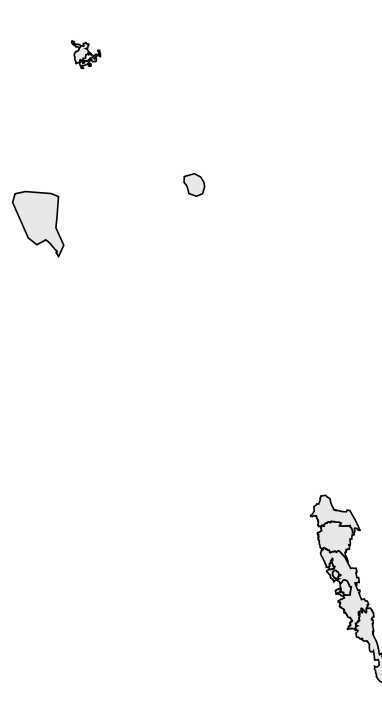
a. Ukhia | Number of cases



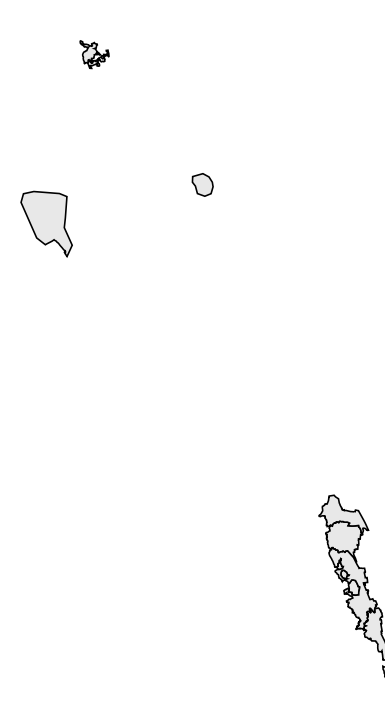
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

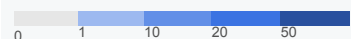


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



Alert threshold

1 case. Source: IEDCR

Alert management (W25 2020)

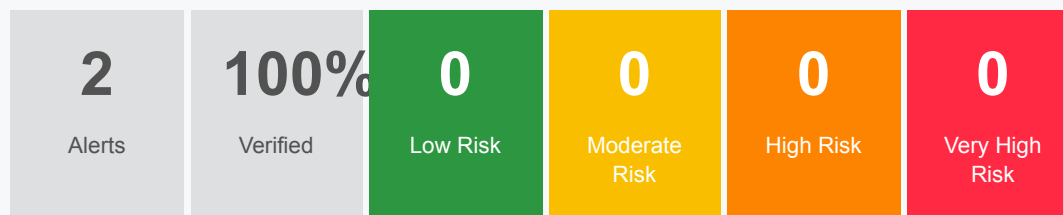


Figure | % sex



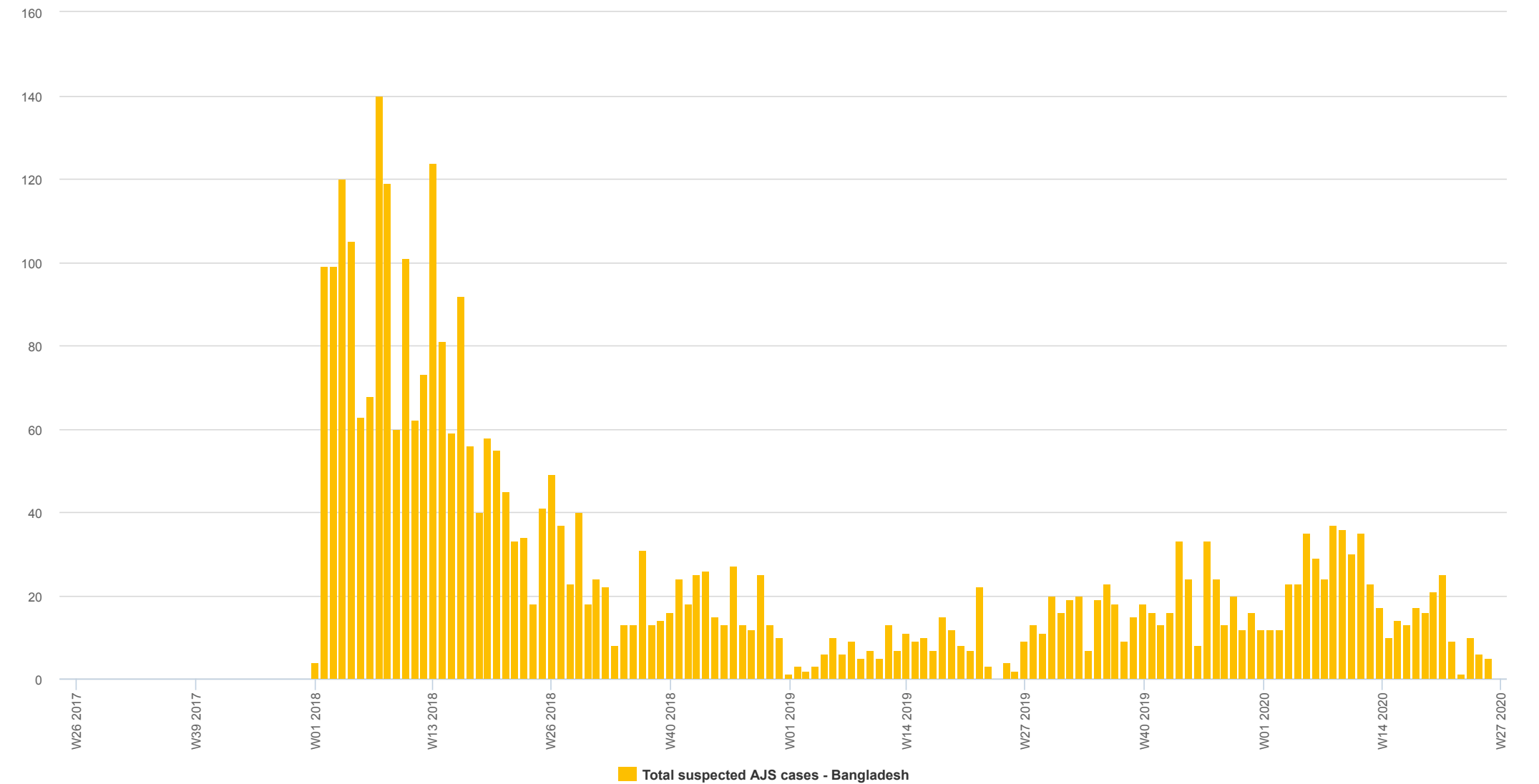
Male Female

Figure | % age



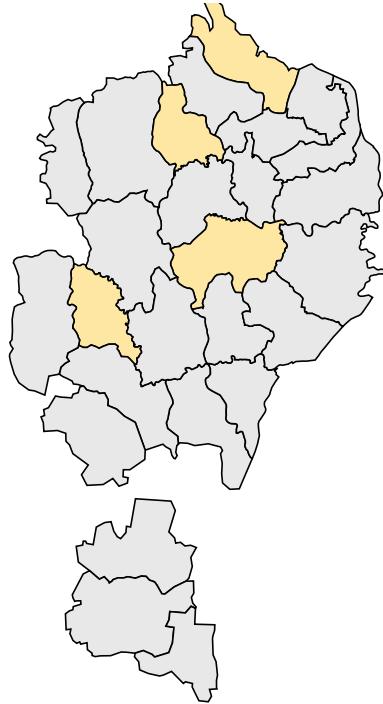
>= 5 < 5

Figure 5 | Trend in number of cases over time (W38 2017 - W25 2020)

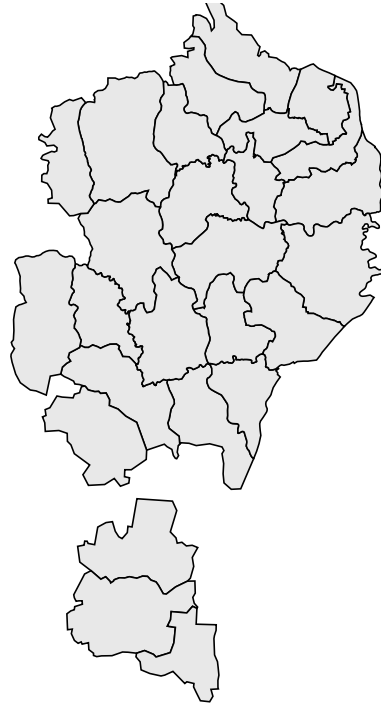


Map 3 | Map of cases by camp (W37 2017 - W25 2020)

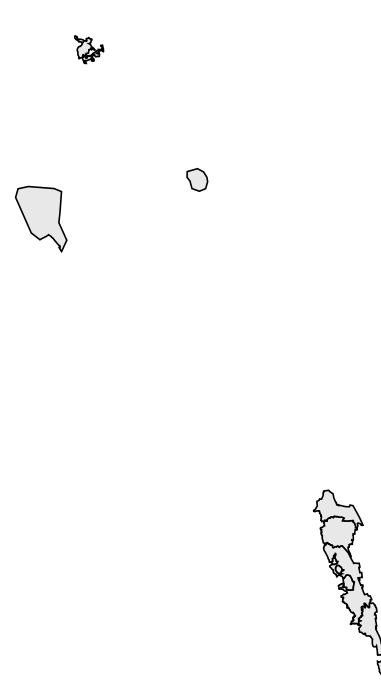
a. Ukhia | Number of cases



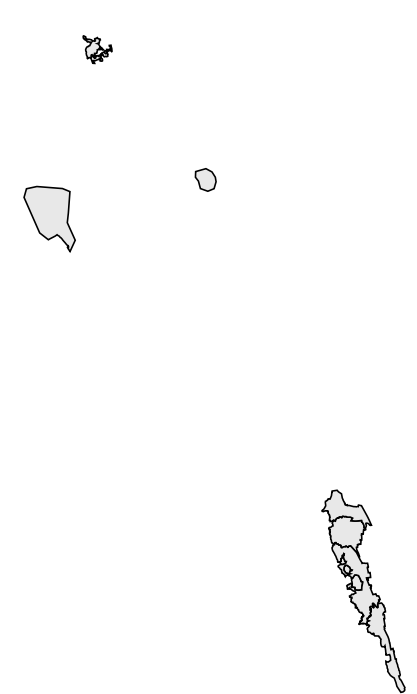
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

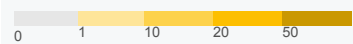


d. Teknaf | Number of alerts



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 (W25 2020)

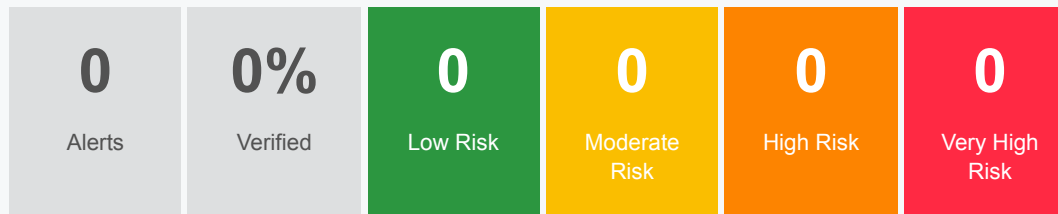
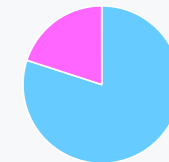
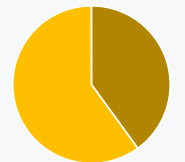


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W25 2020)

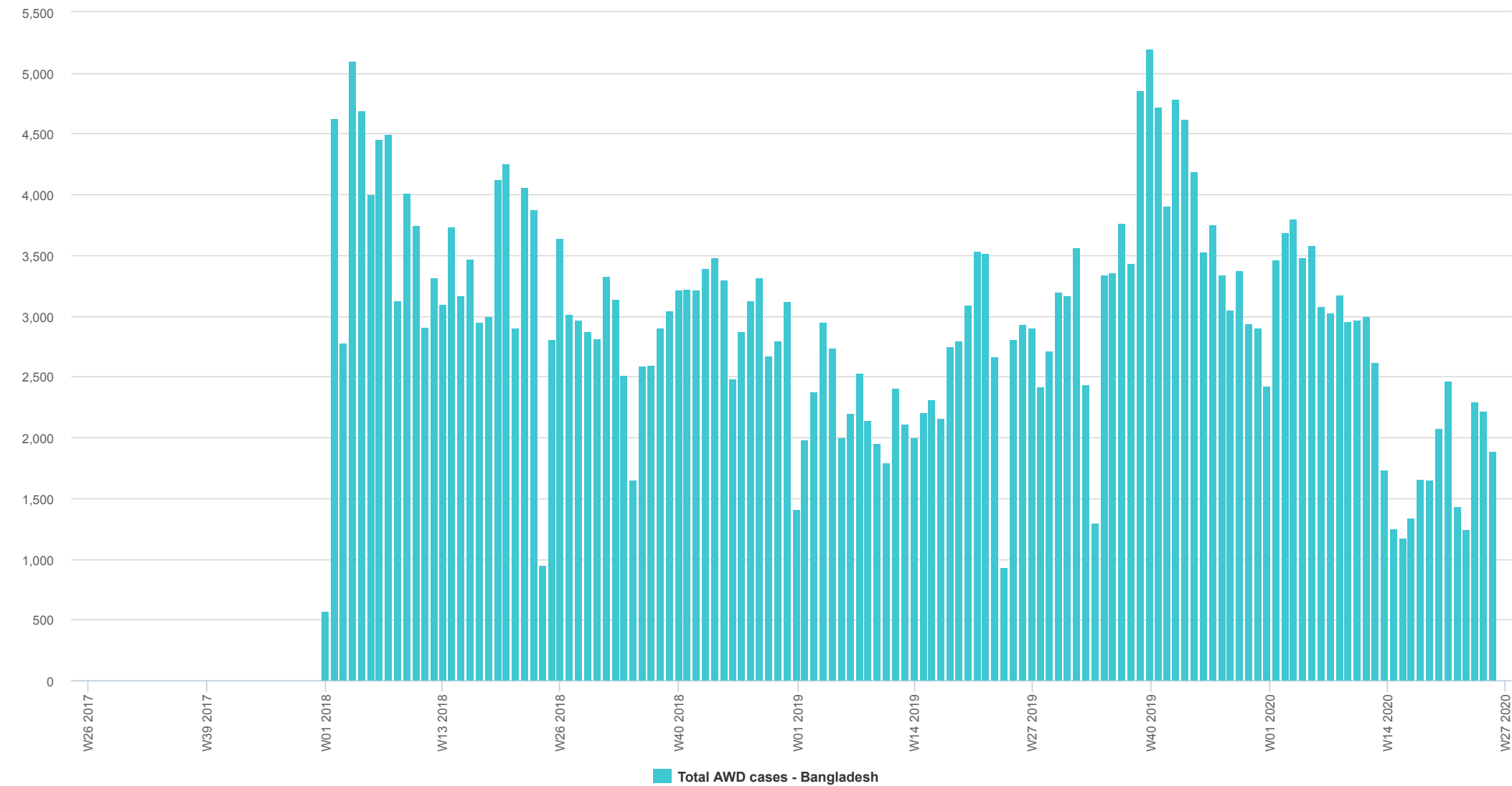
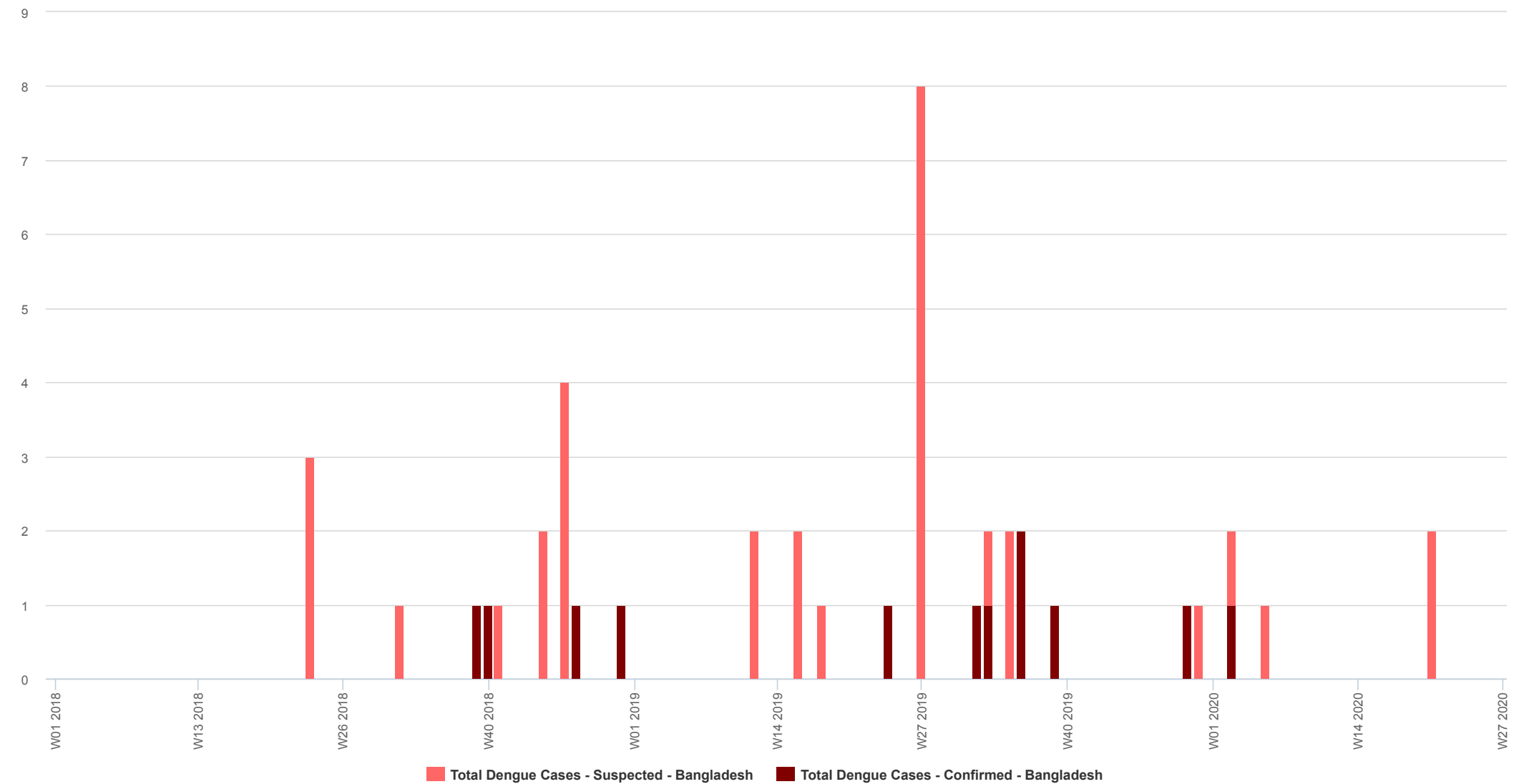
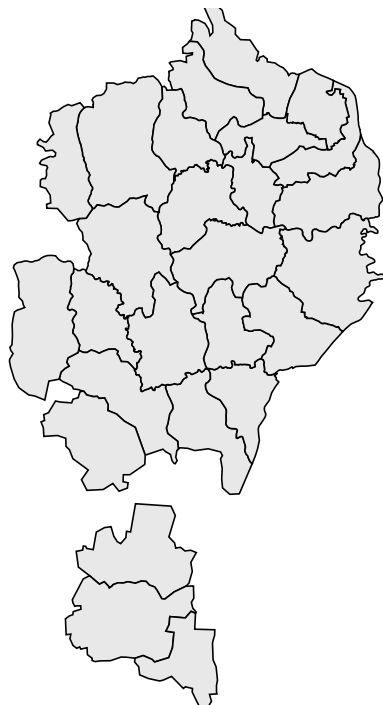


Figure 7 | Trend in number of cases over time (W38 2017 - W25 2020)

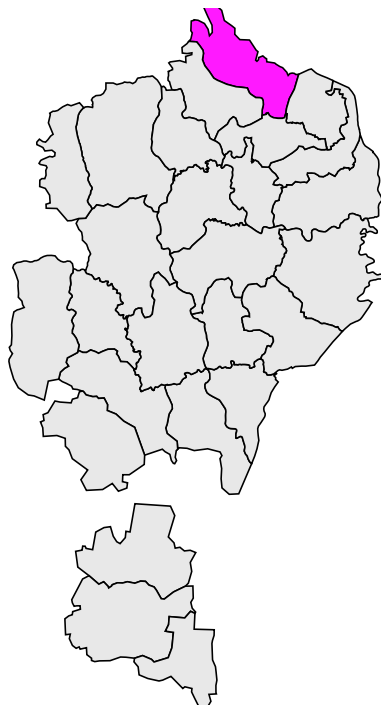


Map 4 | Map of cases by camp (W37 2017 - W25 2020)

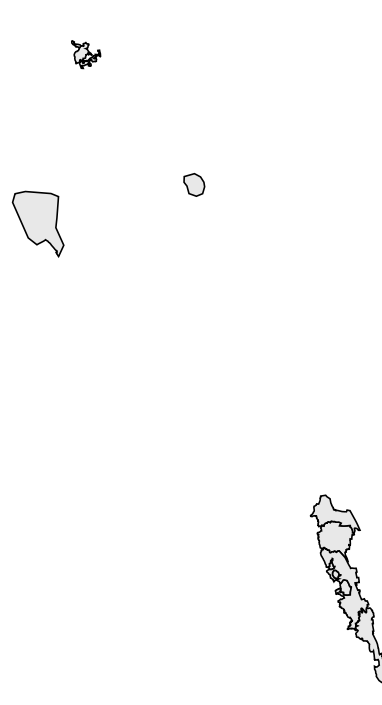
a. Ukhia | Number of cases



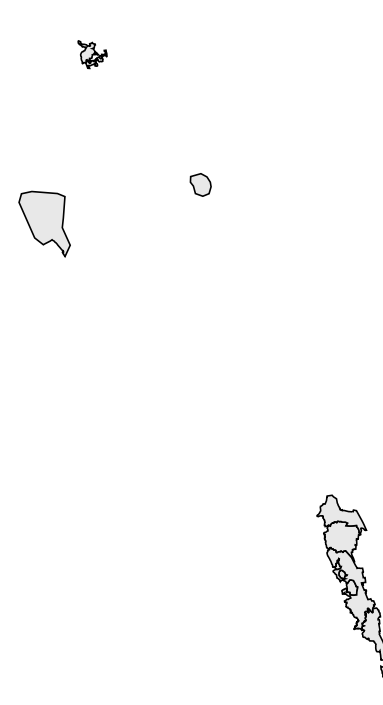
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

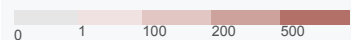


d. Teknaf | Number of alerts



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 (W25 2020)

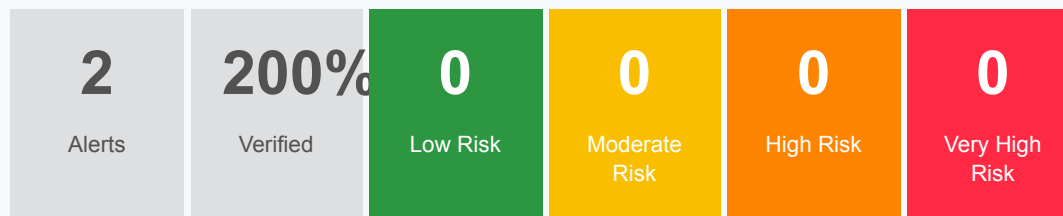


Figure | % sex



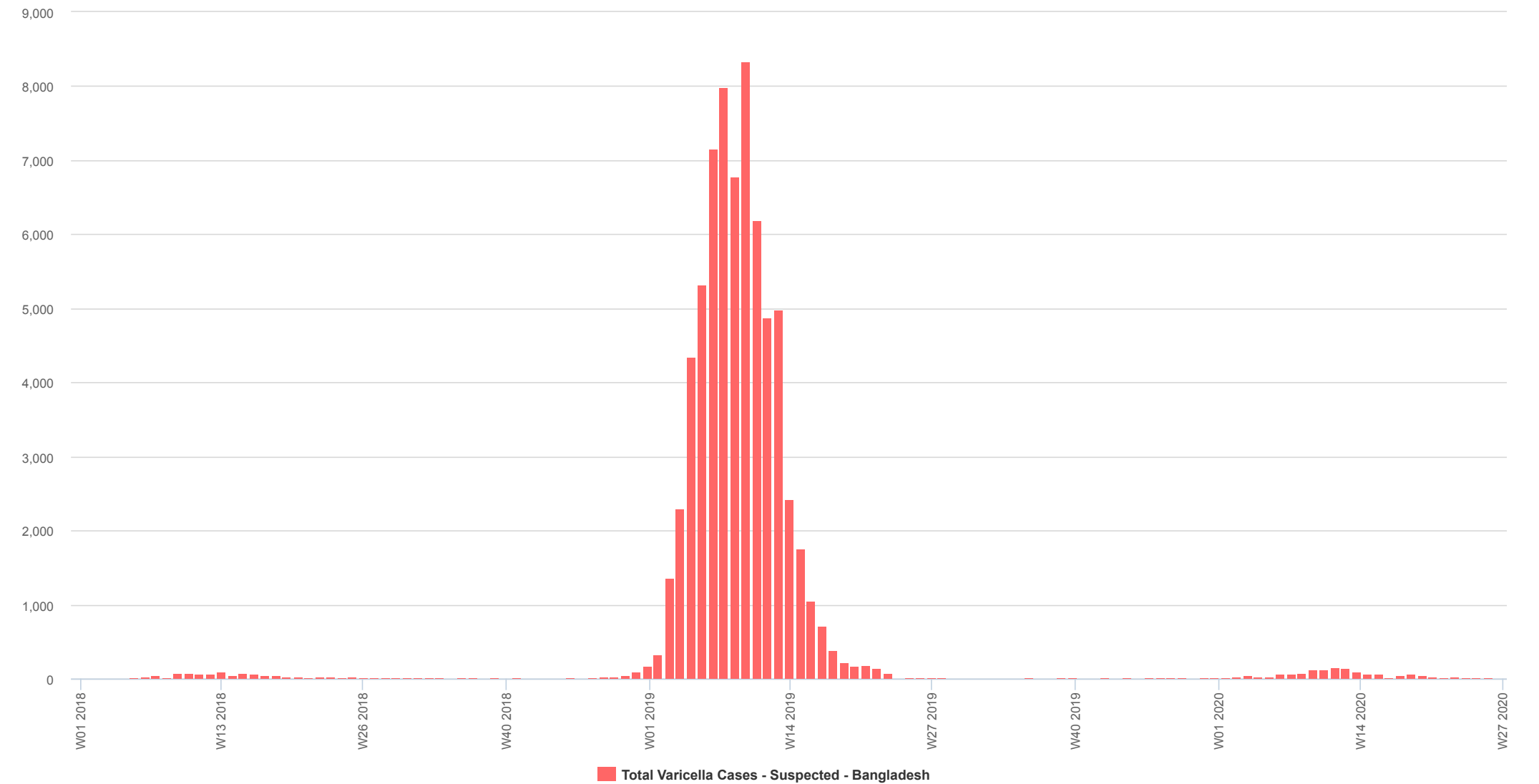
Figure | % age



Male Female

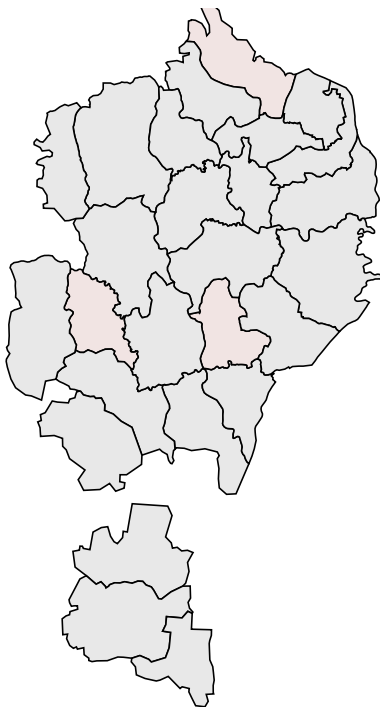
>= 5 < 5

Figure 7 | Trend in number of cases over time (W38 2017 - W25 2020)

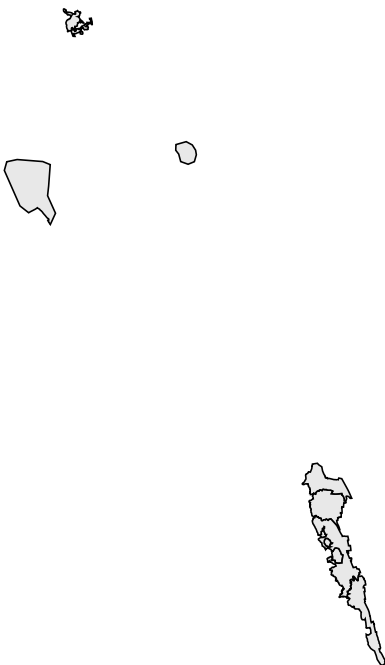


Map 4 | Map of cases by camp (W37 2017 - W25 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

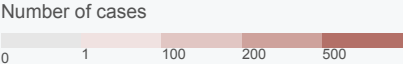


Figure | % sex

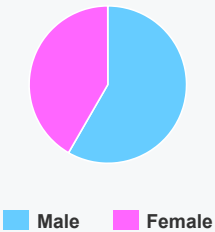
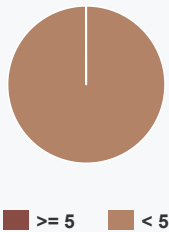


Figure | % age



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>

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