



Epidemiological Highlights

Week 7 (10 – 16 Feb 2020)



**World Health
Organization**

Highlights:

- Measles Outbreak Response Immunization was completed in the camps. Total 292,394 doses were administered in children 6 month to <10 years
- 2nd round OCV campaign is ongoing from 5-20 February, 2020 for camps. Total 162,946 doses have been administered in children 1 to <5 years as of 18 February 2020. Mop-up vaccination activities will be conducted on 19-20 February 2020
- Acute Respiratory Infection (25.6%), Diarrheal Diseases (6.1%) & Unexplained Fever (1.6%) are the diseases with highest proportional morbidity in week 7. Injury/wounds shows increasing trend (2.4%) over last couple of months.

EWARS Reporting Updates

- Total 145/166 (87%) health facilities registered in EWARS and remaining 21 under progress to be registered in EWARS
- Only 114/145 weekly reports received in week 7
- Completeness and Timeliness for this week is 77%.
- In 2020 cumulative completeness and timeliness of reporting is 86% and 77% respectively
- Total 58 alerts were triggered in week 7. All alerts were reviewed and verified (46 under monitoring and 12 discarded) by WHO EWARS team which is less than as of previous week (69).

Diphtheria

12 suspected diphtheria case reported in go.data in week 07

A total of 9 029 case-patients were reported since 2017 to till date

- Confirmed = 323
- Probable = 2780
- Suspected = 5602

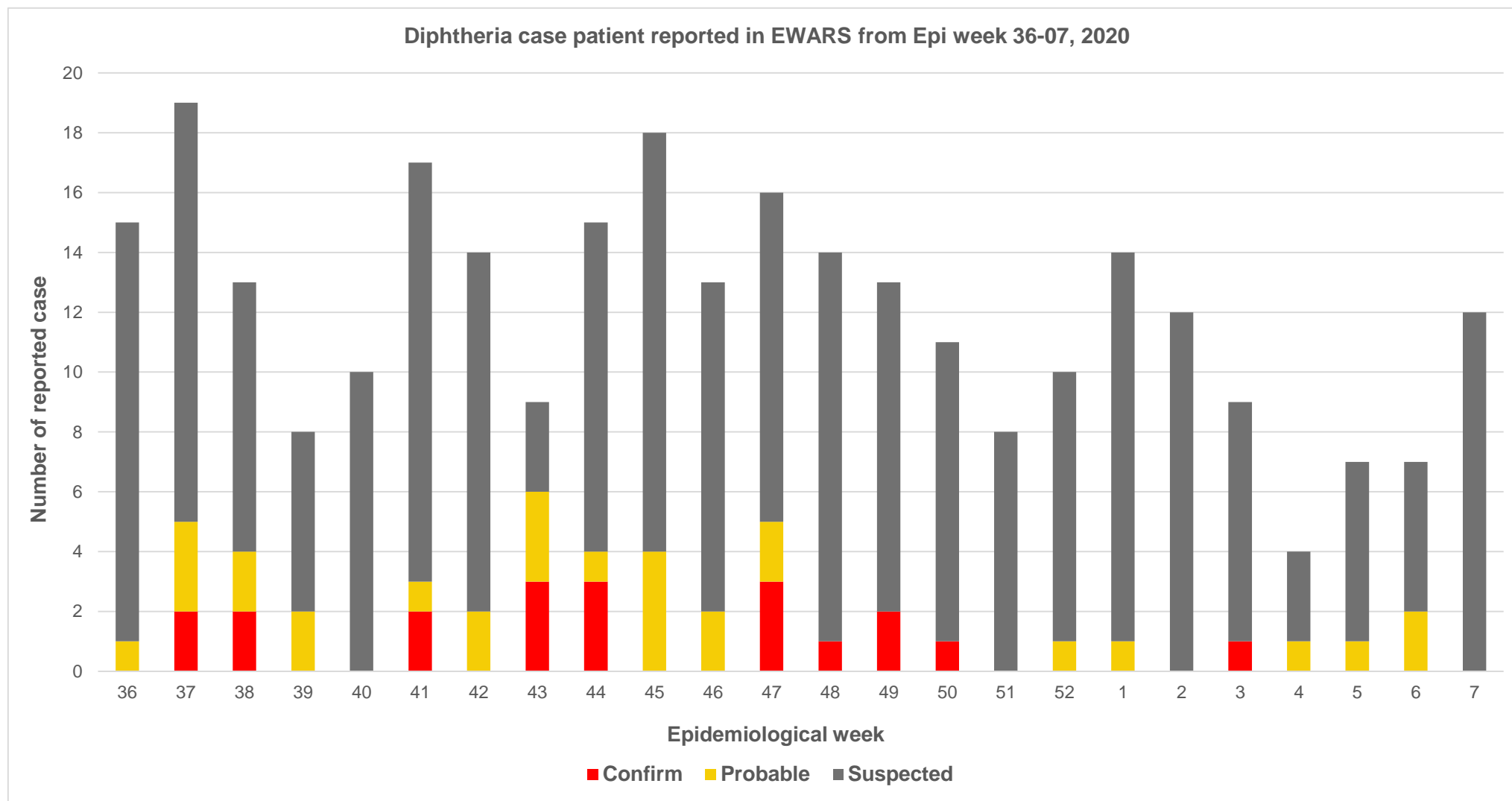
Total Case reported in 2020 = 65

- Confirmed = 1
- Probable = 6
- Suspected = 58

Last confirmed case was reported in Week 3 (13 January 2020)

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

Diphtheria

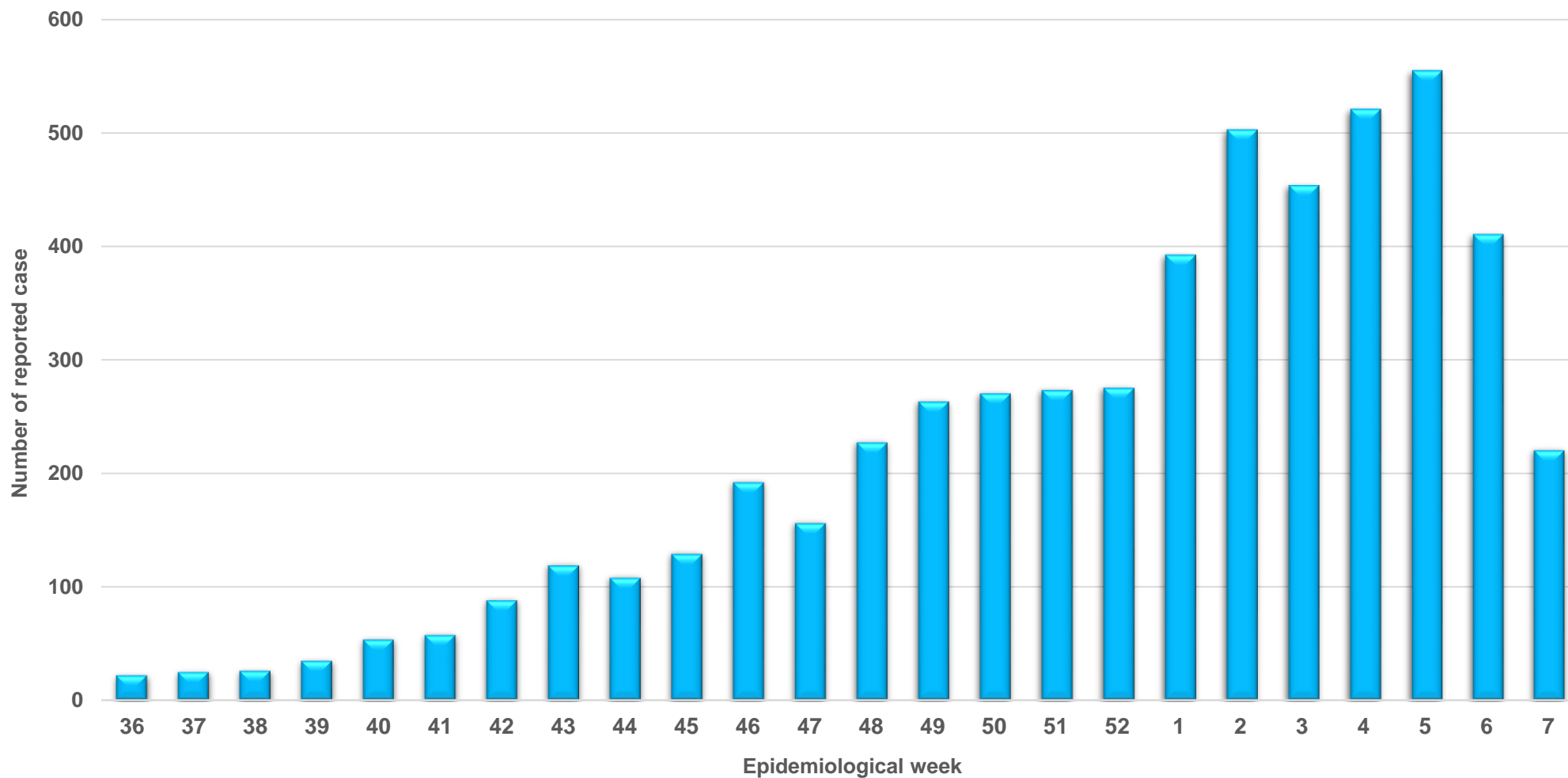


Measles

- Total 221 suspected measles cases were reported through aggregated weekly reporting in EWARS in week 7
- In last two weeks number of cases showed a decreasing trend (555 and 411 cases in week 5 and 6 respectively).
- Out of total 3 058 cases in 2020, 2014 (66%) cases were reported via individual case report form (CRF).

Measles

Total number of Measles case reported in EWARS from week 36-7, 2020



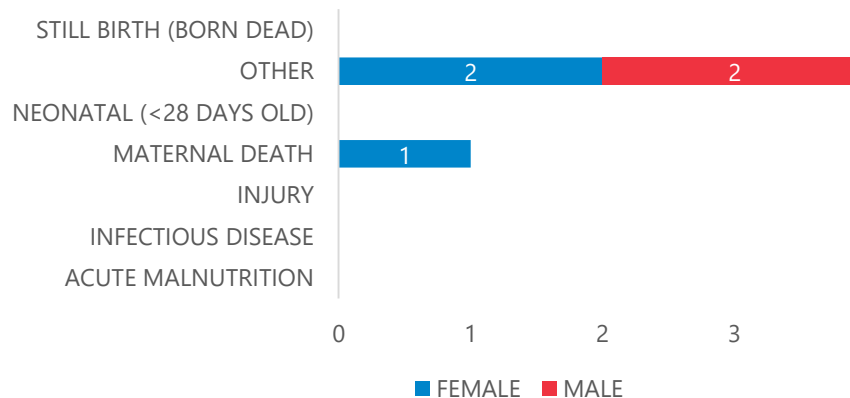
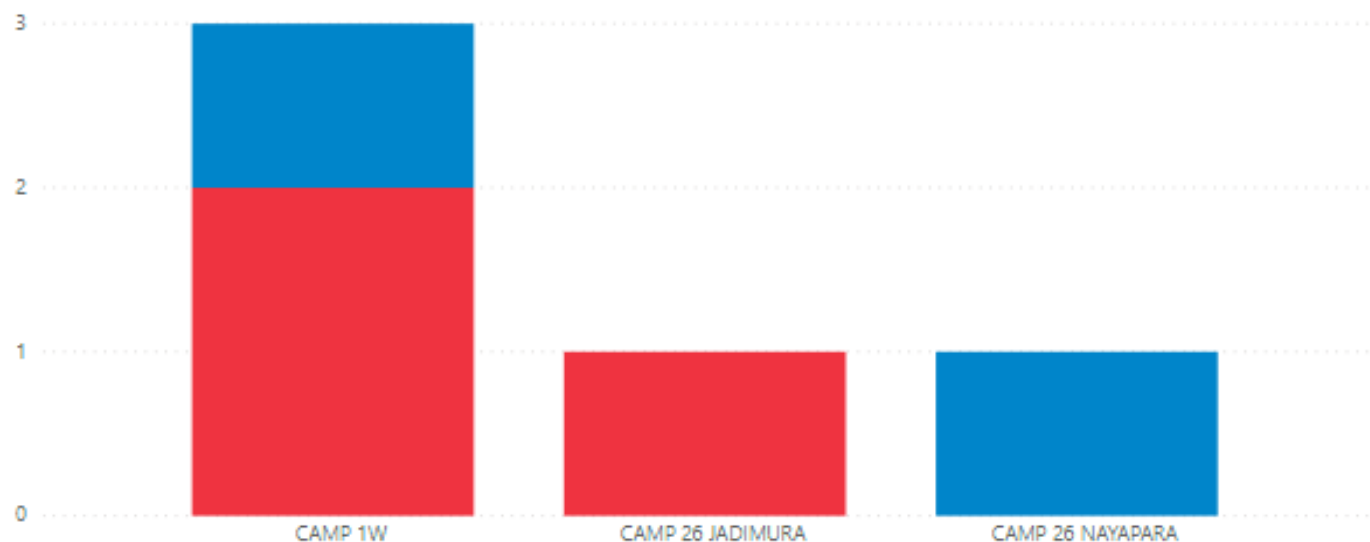
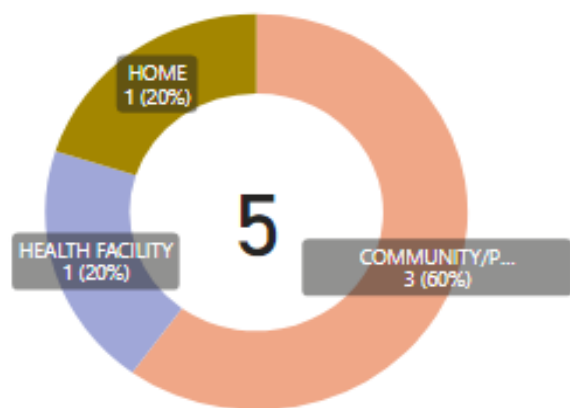
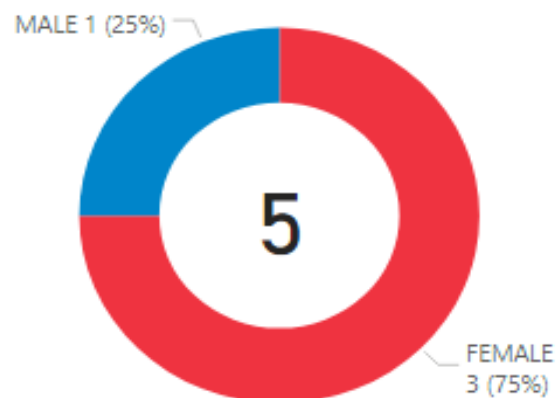
Diarrhoeal Disease

- A total 3 320 cases of diarrhoeal diseases reported in EWARS in week 7
- Among which 2,100 cases (3.6%) reported as acute watery diarrhoea (AWD), 1 118 (1.9%) and 365 (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 surveillance

- In week 7 total of 5 deaths were recorded. 4 were due to causes classified as “Others” and 1 was maternal death
- There were a total of 2 mortality alert raised for women of reproductive age (12-49 years).
- 1 death was reported from health facility, 3 from home and 1 death reported from community.
- 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 W7 2020



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



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Printed: 10:37 Tuesday, 18 February 2020 UTC

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Sources of data

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

Highlights W7 2020

Table 1 | Coverage

#	%	
932,930	-	Estimated total Rohingya population ¹
919,946	99%	Total population under surveillance
166	-	Total number of health facilities
145	87%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W7	Cumulative (2020)	
114	907	Number of weekly reports received
77%	86%	Completeness
77%	77%	Timeliness

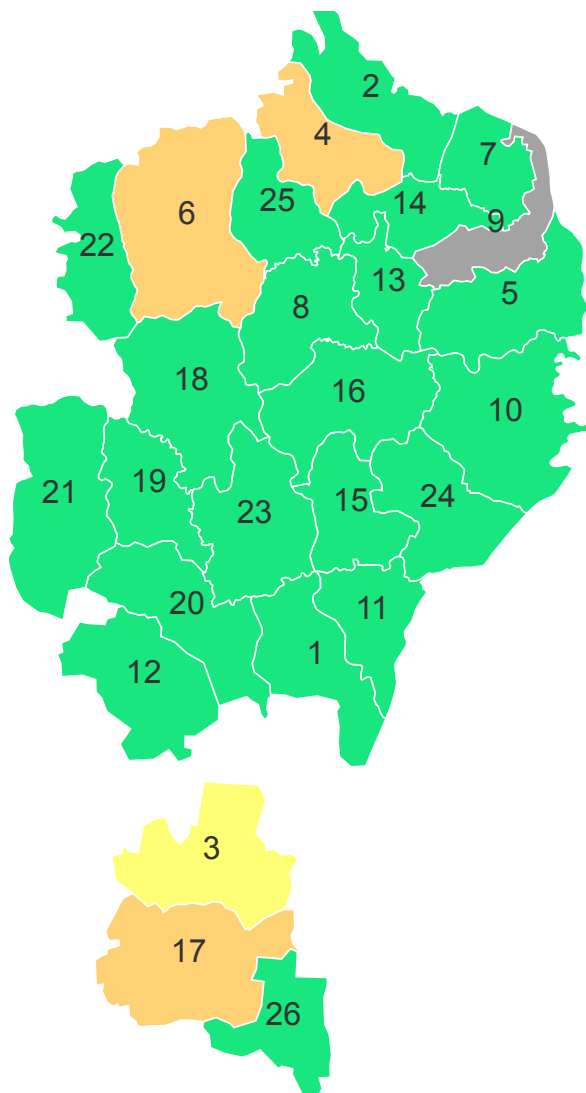
Table 3 Alert performance indicators

W7	Cumulative (2020)	
58	533	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

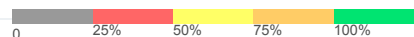
¹ Source: IOM. Bangladesh: Needs and Population Monitoring - NPM R11 Report. 14 June 2018.

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

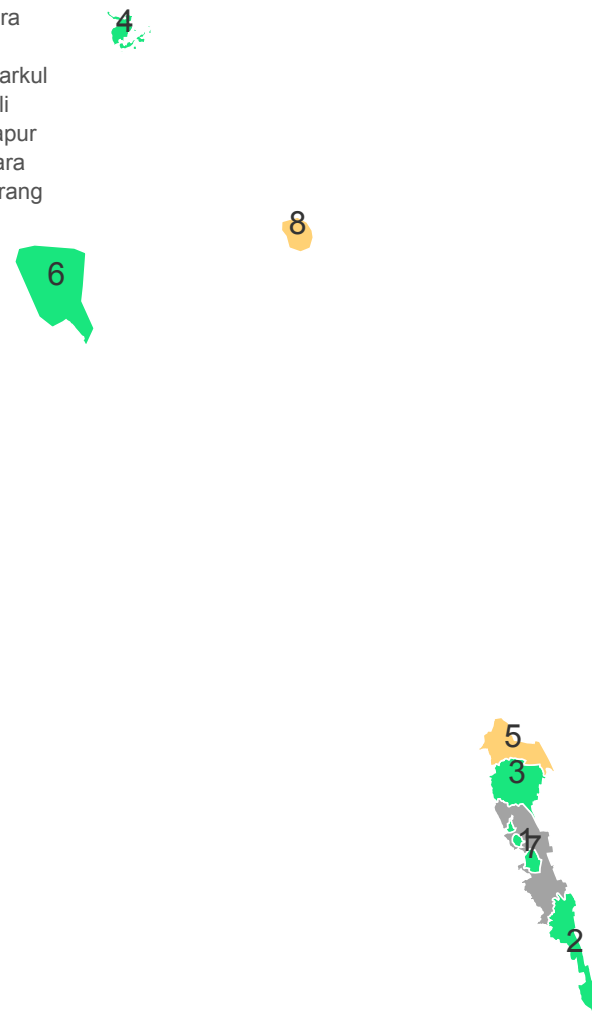


Completeness



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 (W7 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	8	6	67%	67%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	5	100%	100%
Camp 6	3	3	100%	100%
Camp 7	5	3	75%	75%
Camp 8E	6	4	80%	80%
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

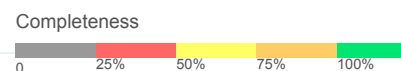
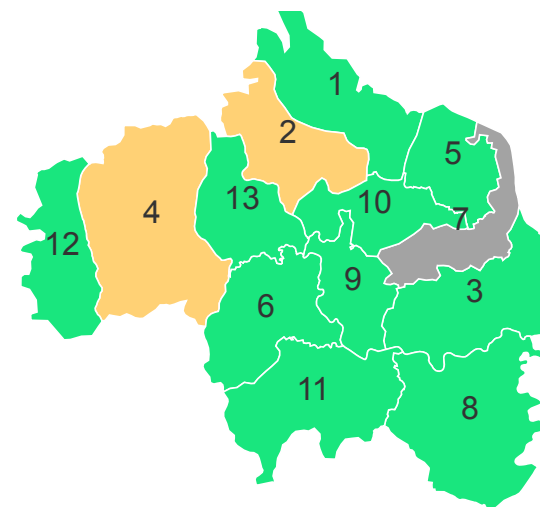
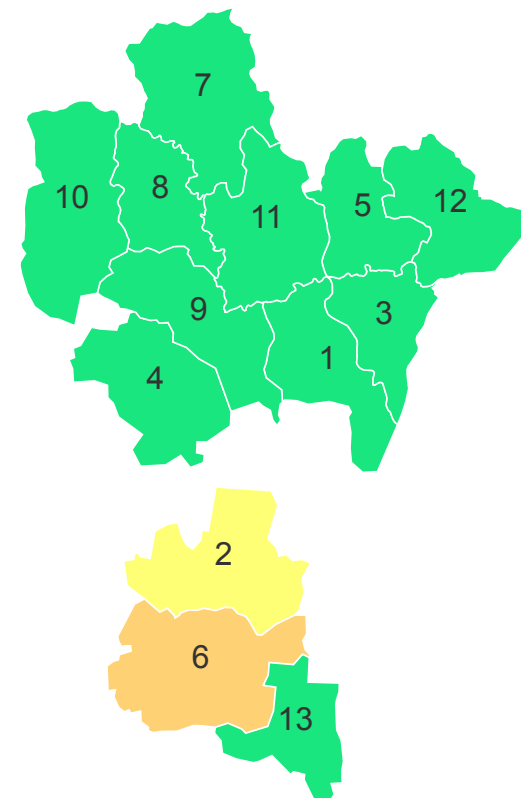


Table 5 | Performance by camp (W7 2020)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 10	4	4	100%	100%
Camp 11	10	7	78%	78%
Camp 12	7	5	83%	83%
Camp 13	11	7	78%	78%
Camp 14	8	3	38%	38%
Camp 15	9	5	63%	63%
Camp 16	5	4	80%	80%
Camp 17	5	5	100%	100%
Camp 18	5	5	100%	100%
Camp 19	5	4	80%	80%
Camp 20	3	3	100%	100%
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 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



Completeness

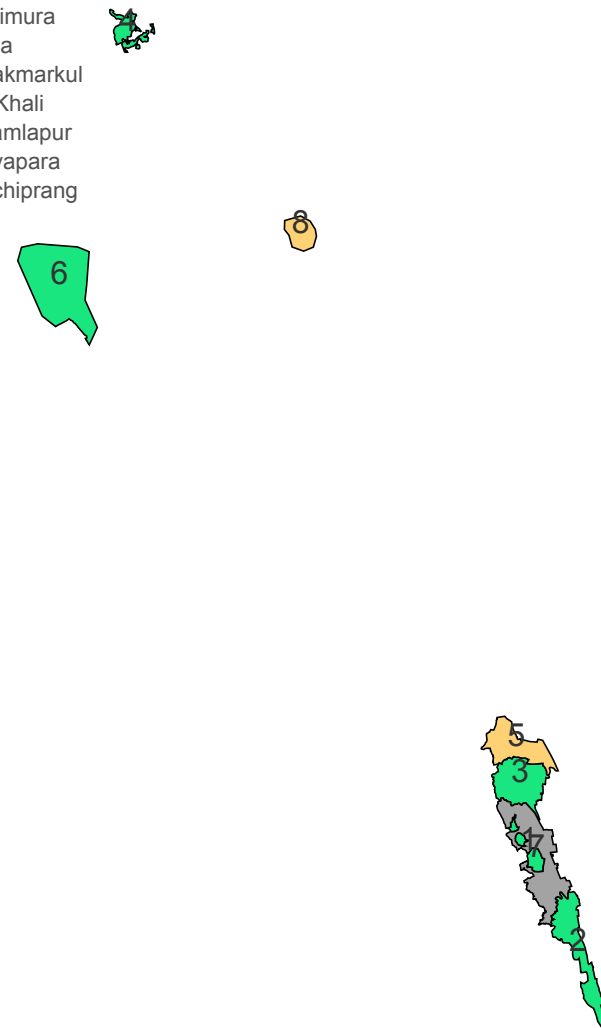


Table 6 | Performance by camp (W7 2020)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Camp 21 Chakmarkul	4	4	100%	100%
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	1	50%	50%
Camp 26 Nayapara	3	0	0%	0%
Camp 27 Jadimura	1	1	100%	100%
Nayapara RC	2	2	100%	100%

Map 4 | Completeness by camp

- 1 Nayapara RC
- 2 Camp 27 Jadimura
- 3 Camp 24 Leda
- 4 Camp 21 Chakmarkul
- 5 Camp 25 Ali Khali
- 6 Camp 23 Shamlapur
- 7 Camp 26 Nayapara
- 8 Camp 22 Unchiprang



Completeness



Table 7 | Performance by partner (W7 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	12	10	83%	83%
GK	9	9	100%	100%
HMBDF	1	1	100%	100%
IOM	18	14	78%	78%
IRC	1	1	100%	100%
MSF	9	4	44%	44%
MoH	0	1	0%	0%
Hope	2	2	100%	100%
Medair	1	1	100%	100%

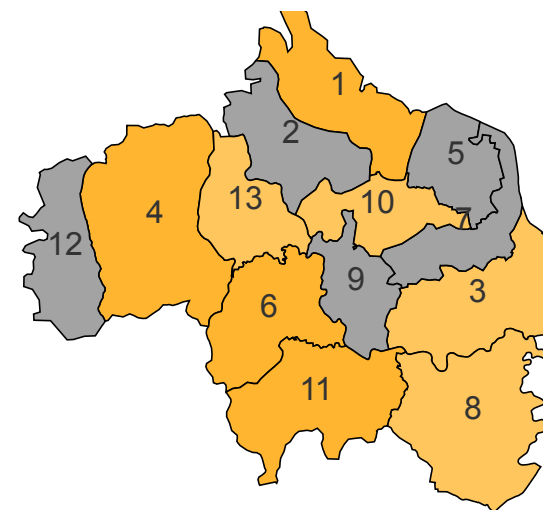
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
MTI	4	4	100%	100%
PHD	9	9	100%	100%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	8	6	75%	75%
SCI	9	9	100%	100%
TdH	1	0	0%	0%

Table 8 | Performance by camp

Northern group	W7		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 1E	3	100%	19	100%
Camp 1W	0	0%	3	100%
Camp 2E	0	0%	11	100%
Camp 2W	1	100%	8	100%
Camp 3	2	100%	33	100%
Camp 4	5	100%	46	100%
Camp 4 Ext	0	0%	6	100%
Camp 5	3	100%	30	100%
Camp 6	0	0%	3	100%
Camp 7	1	100%	5	100%
Camp 8E	1	100%	11	100%
Camp 8W	4	100%	31	100%
Kutupalong RC	0	0%	1	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

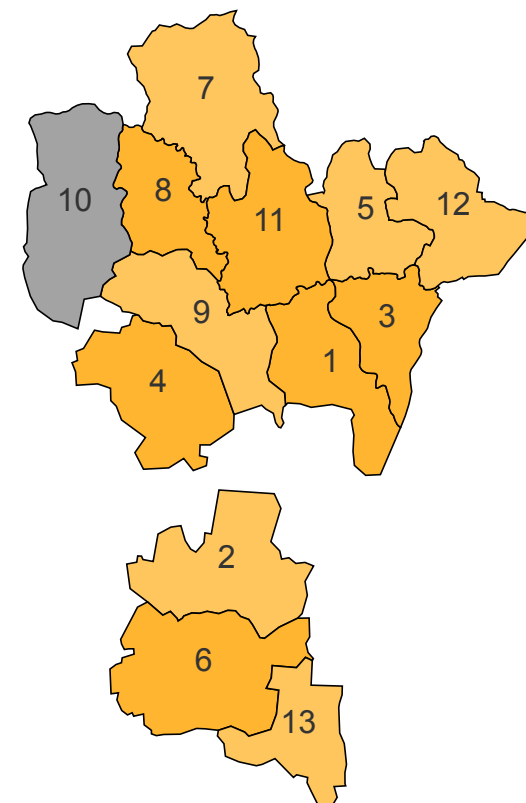


Table 9 | Performance by camp

Southern group	W7		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 10	2	100%	18	100%
Camp 11	3	100%	23	100%
Camp 12	5	100%	38	100%
Camp 13	3	100%	25	100%
Camp 14	1	100%	13	100%
Camp 15	3	100%	20	100%
Camp 16	1	100%	25	100%
Camp 17	2	100%	10	100%
Camp 18	5	100%	21	100%
Camp 19	1	100%	22	100%
Camp 20	3	100%	19	100%
Camp 20 Ext	0	0%	3	100%
Camp 9	1	100%	20	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	W7		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Camp 21 Chakmarkul	3	100%	19	100%
Camp 22 Unchiprang	1	100%	2	100%
Camp 23 Shamlapur	0	0%	2	100%
Camp 24 Leda	1	100%	10	100%
Camp 25 Ali Khali	0	0%	1	100%
Camp 26 Nayapara	2	100%	27	100%
Camp 27 Jadimura	1	100%	6	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

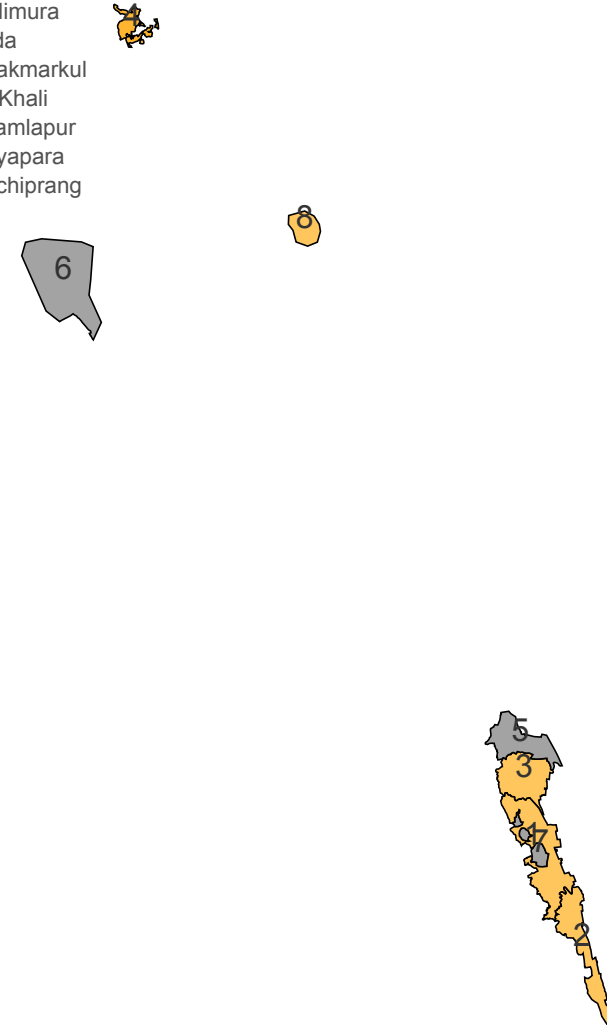


Table 11 | Performance by type of alert

Event	W7		Cumulative (2020)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	43	100%	377	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	4	100%
Meningitis	0	0%	6	100%
Haem. fever (susp.)	0	0%	2	100%
NNT	1	100%	1	100%
Unexp. fever	4	100%	30	100%
AWD	4	100%	26	100%
ARI	2	100%	31	100%
AJS	2	100%	16	100%
Varicella (Susp.)	0	0%	1	100%
Event-based surveillance				
EBS total	2	100%	38	100%

Table 12 | Risk assessment

W7	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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Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W7 2020



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Welfare Bangladesh



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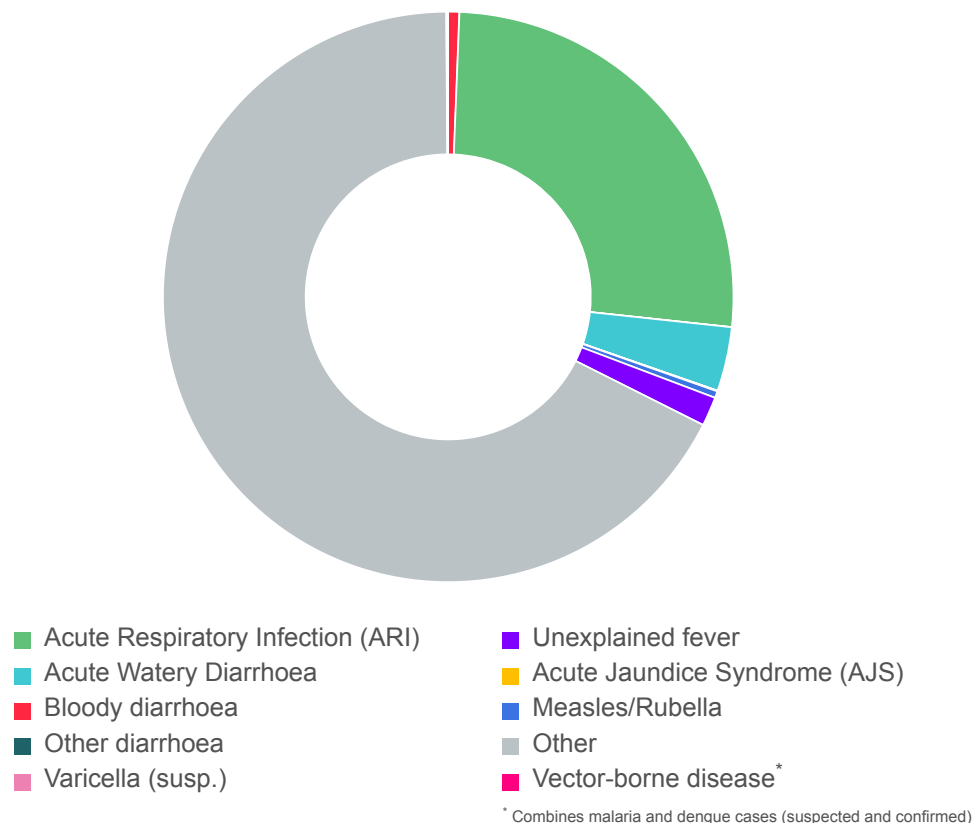
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Proportional morbidity

Figure 1 | Proportional morbidity (W7 2020)



Disease	W7		2020	
	# cases	% morbidity	# cases	% morbidity
AWD	2,100	3.6%	19,967	4.3%
Bloody diarr.	365	0.6%	3,308	0.7%
Other diarr.	1,118	1.9%	9,651	2.1%
Susp. Varicella	58	0.1%	271	0.1%
ARI	15,042	25.6%	112,907	24.0%
Measles/Rub.	221	0.4%	3,058	0.7%
AFP	0	0.0%	4	0.0%
Susp. menin.	1	0.0%	14	0.0%
AJS	15	0.0%	133	0.0%
Susp. HF	0	0.0%	8	0.0%
Neo. tetanus	1	0.0%	1	0.0%
Adult tetanus	0	0.0%	0	0.0%
Malaria (conf.)	2	0.0%	4	0.0%
Malaria (susp.)	1	0.0%	128	0.0%
Dengue (conf.)	0	0.0%	2	0.0%
Dengue (susp.)	0	0.0%	2	0.0%
Unexpl. fever	954	1.6%	8,954	1.9%
Sev. Malnut.	44	0.1%	283	0.1%
Inj./Wounds	1,424	2.4%	11,007	2.3%
Other	37,466	63.7%	299,830	63.8%
Total	57,887	100%	469,691	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W7)

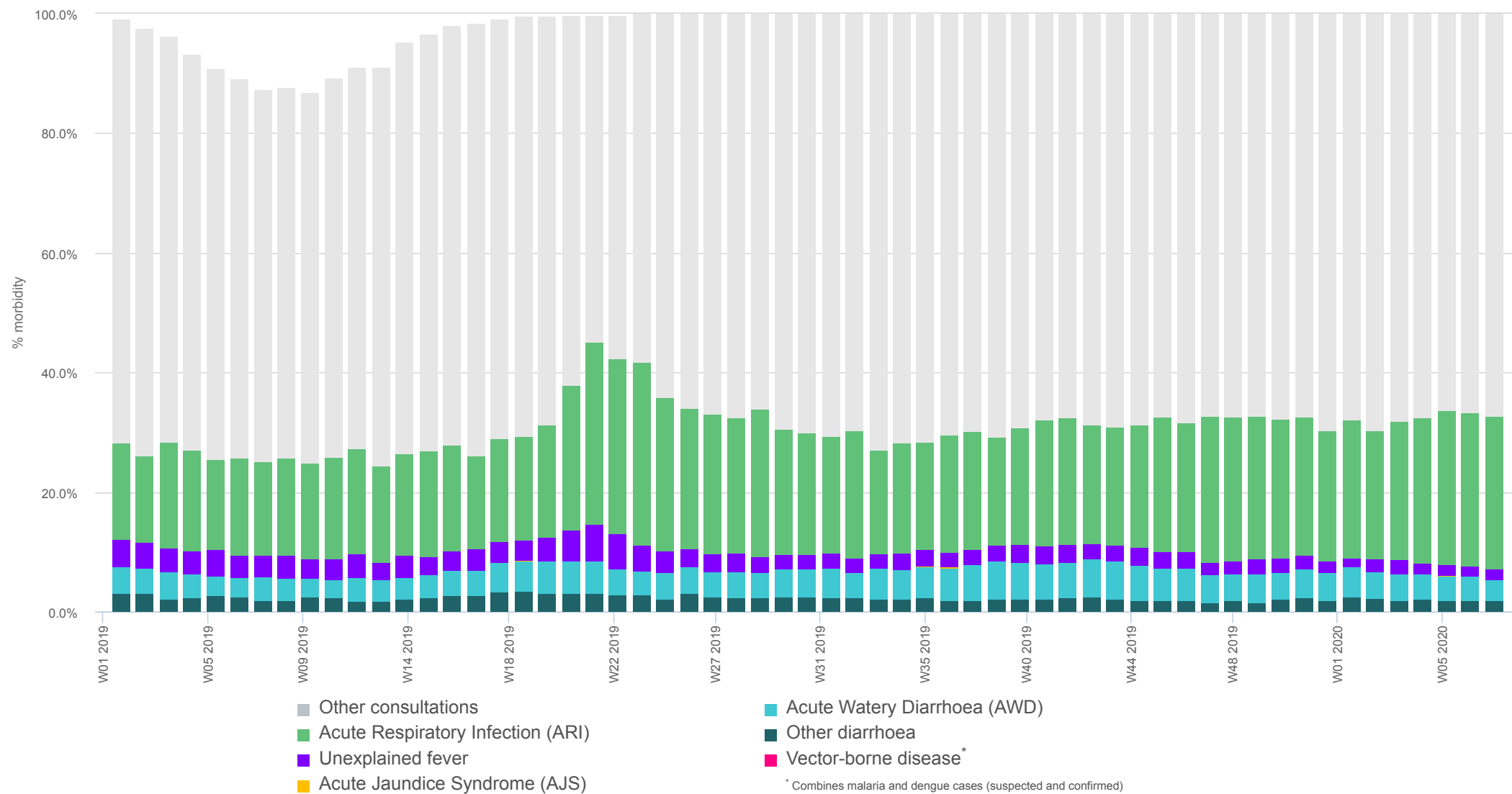
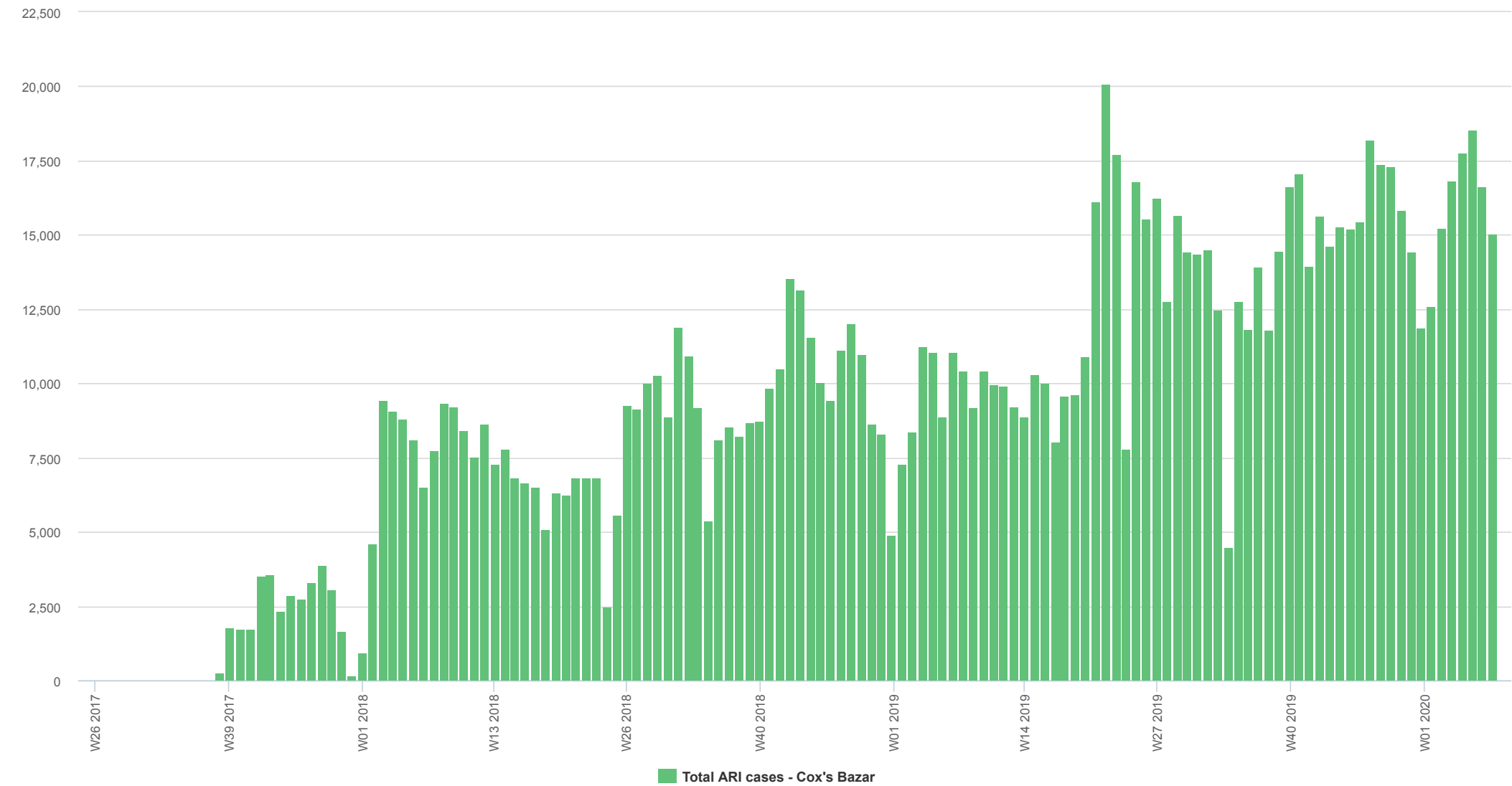
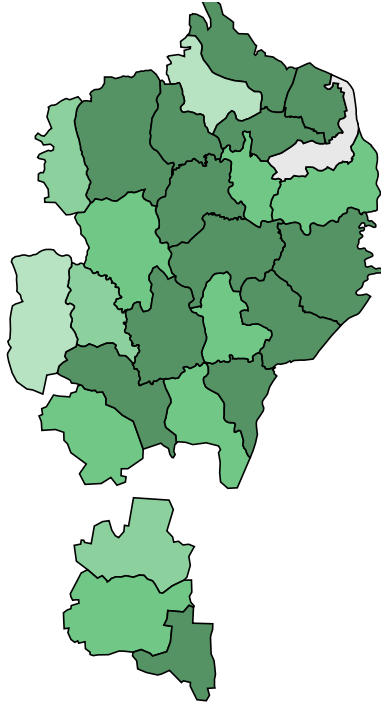


Figure 3 | Trend in number of cases over time (W38 2017 - W7 2020)

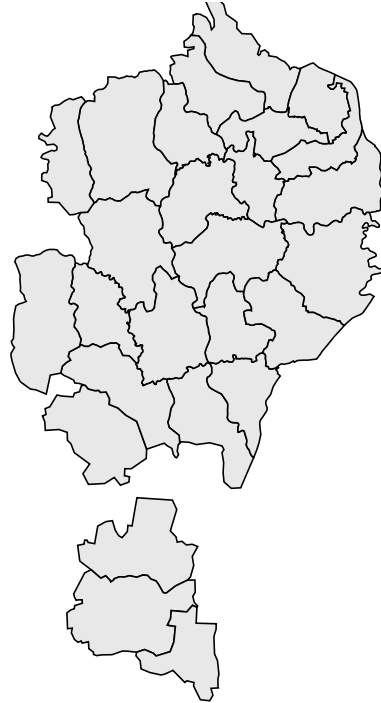


Map 1 | Map of cases by camp (W7 2020)

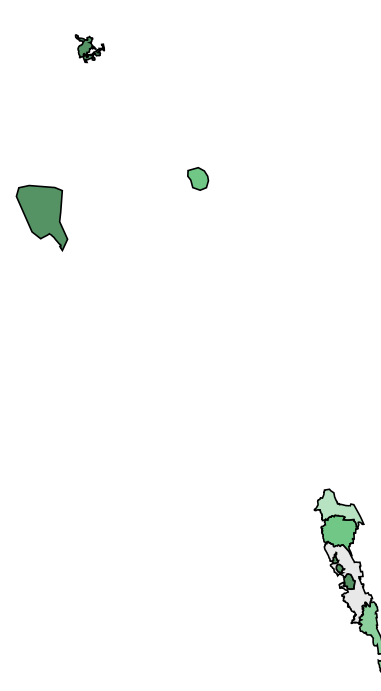
a. Ukhia | Number of cases



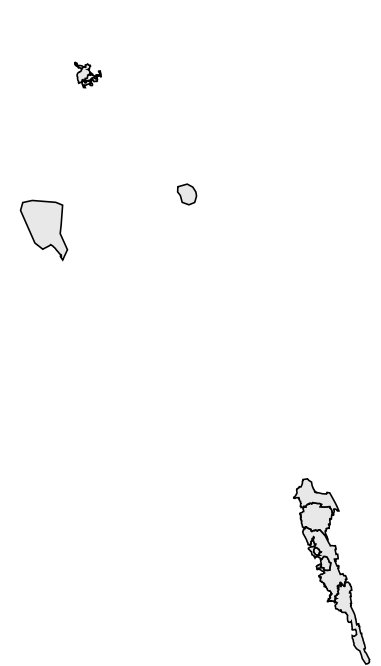
b. Ukhia | Number of alerts



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 (W7 2020)

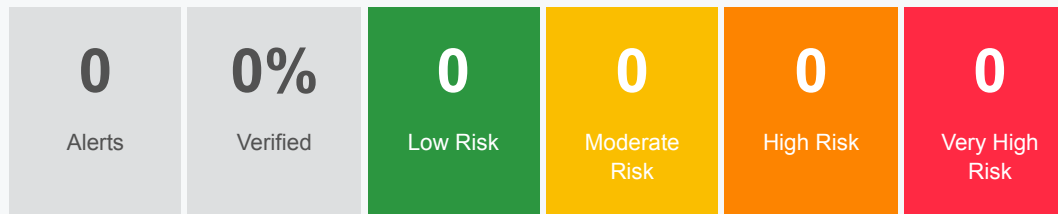


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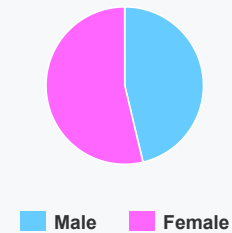


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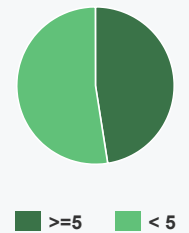
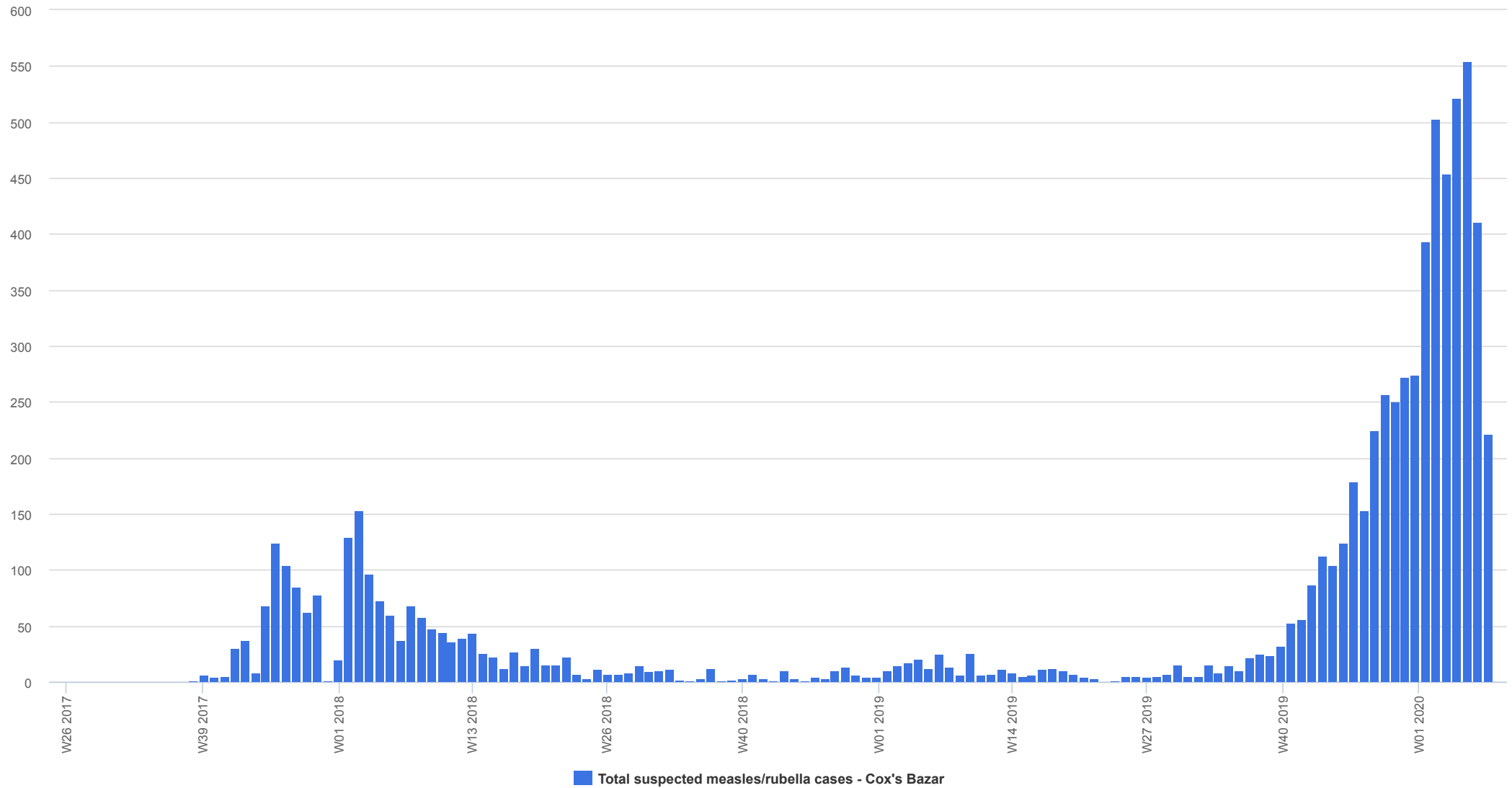
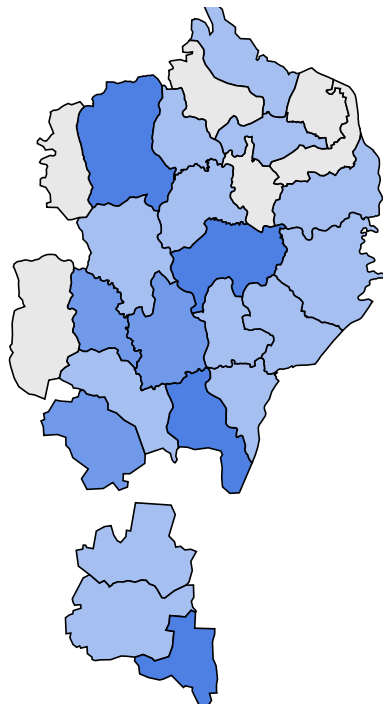


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W7 2020)

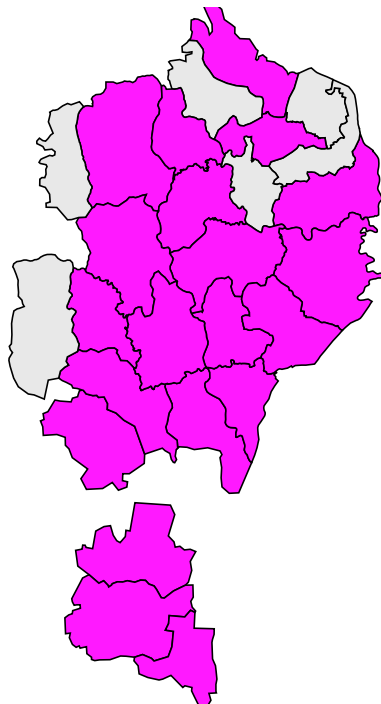


Map 2 | Map of cases by camp (W7 2020)

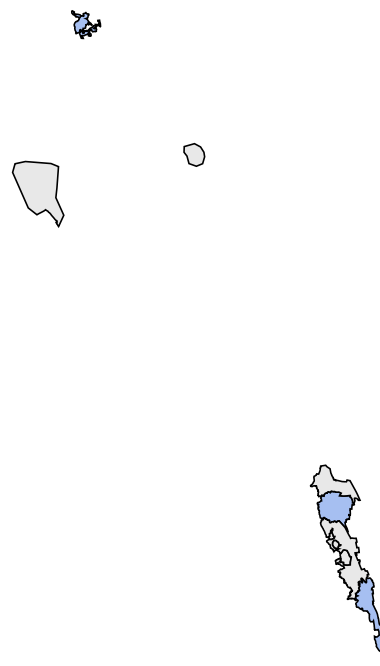
a. Ukhia | Number of cases



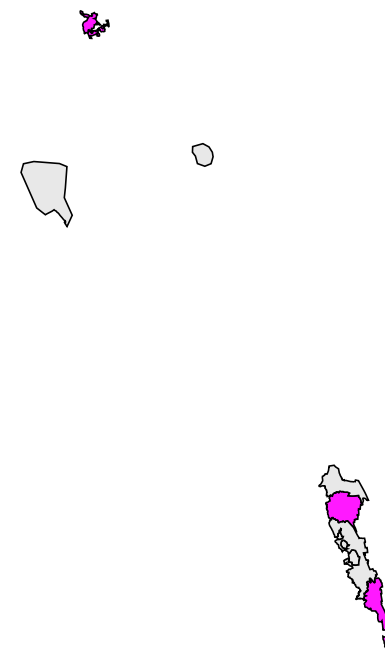
b. Ukhia | Number of alerts



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 (W7 2020)

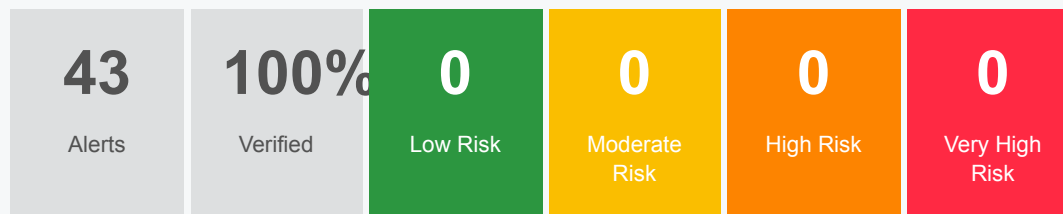
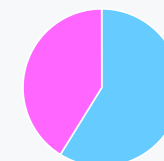
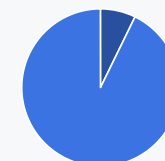


Figure | % sex



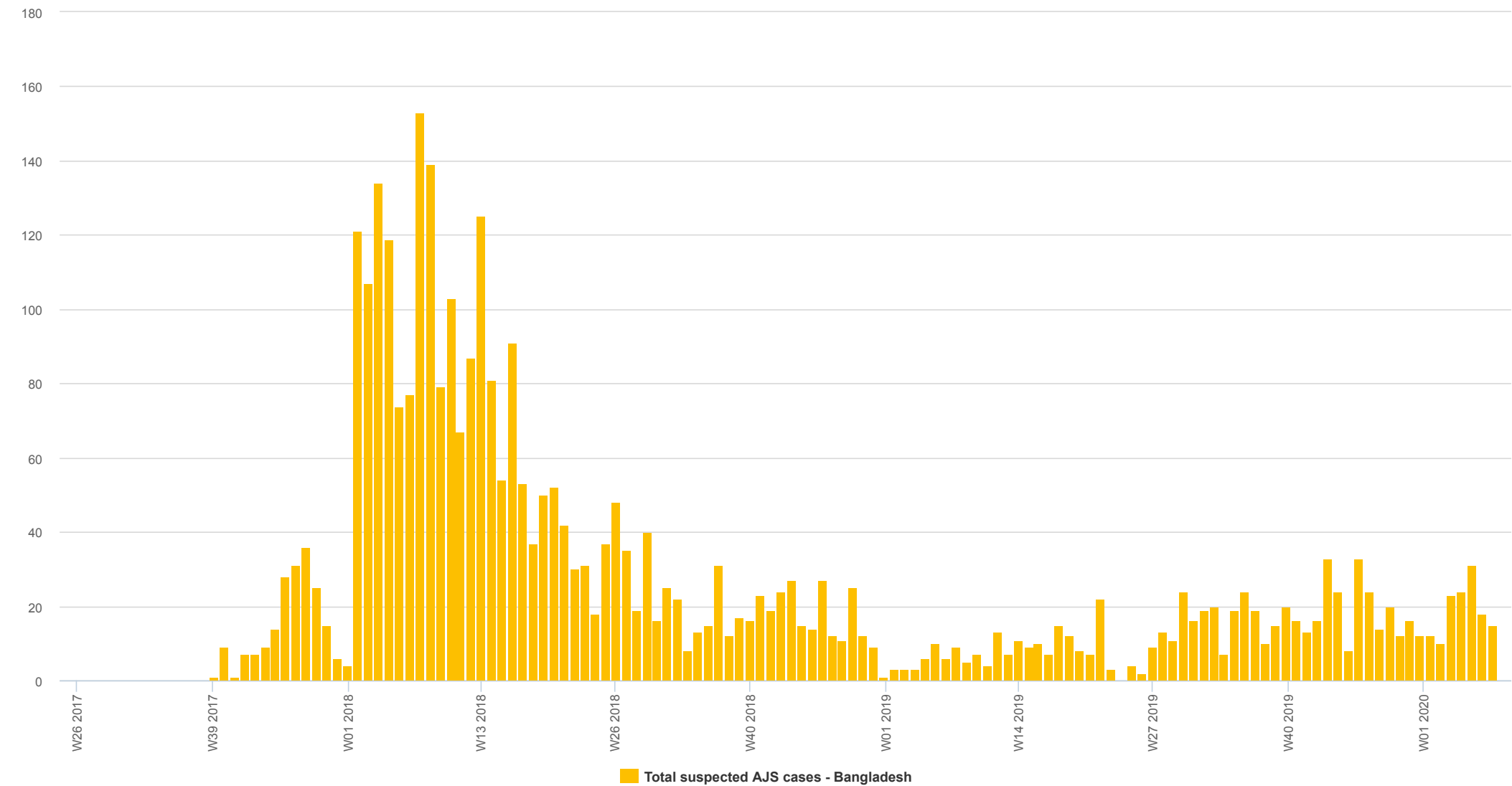
Male Female

Figure | % age



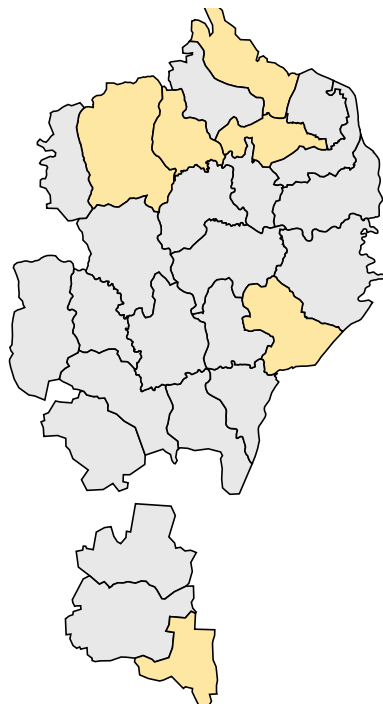
>= 5 < 5

Figure 5 | Trend in number of cases over time (W38 2017 - W7 2020)

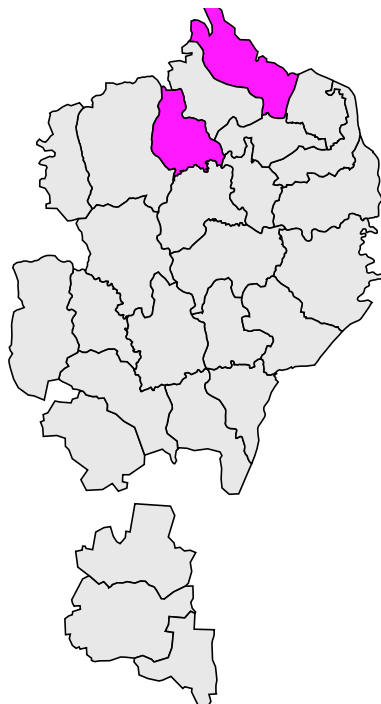


Map 3 | Map of cases by camp (W37 2017 - W7 2020)

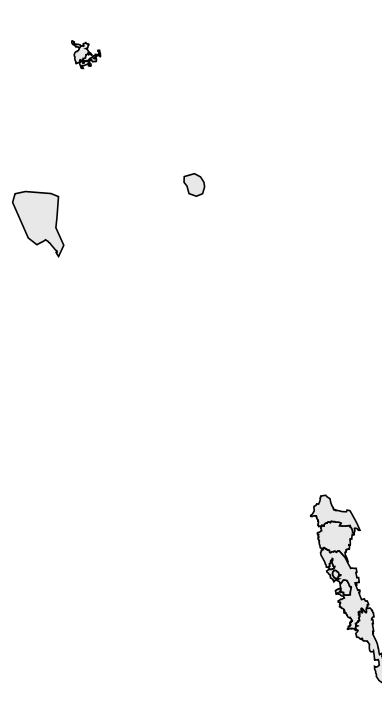
a. Ukhia | Number of cases



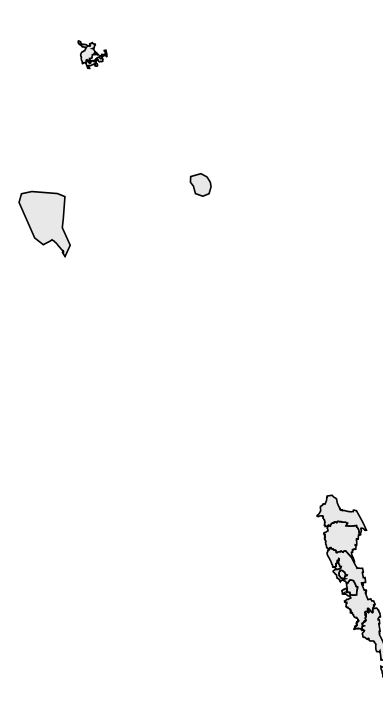
b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



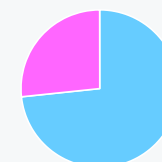
Alert threshold

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

Alert management (W7 2020)

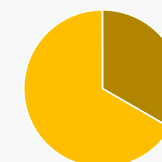


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W7 2020)

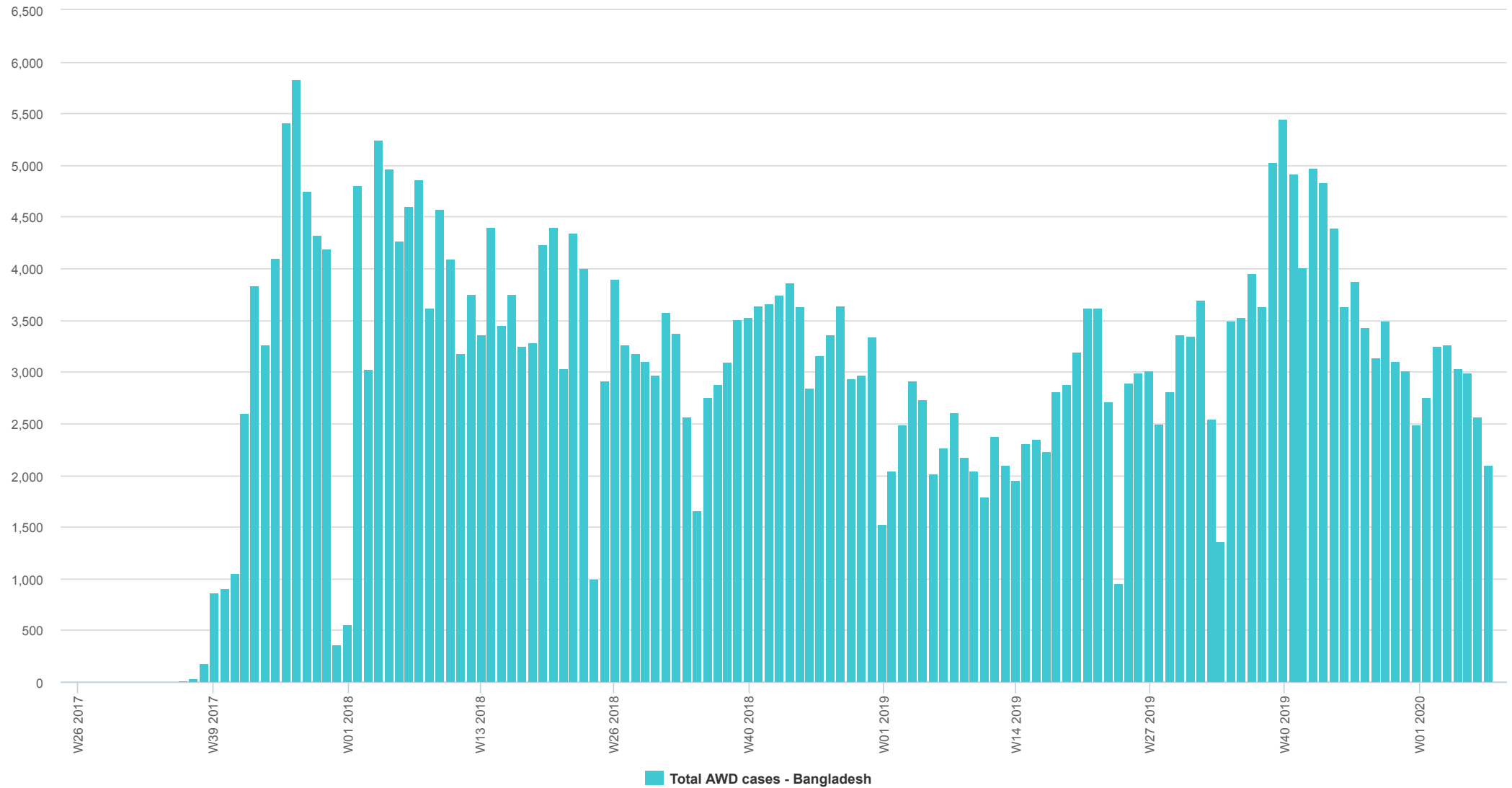
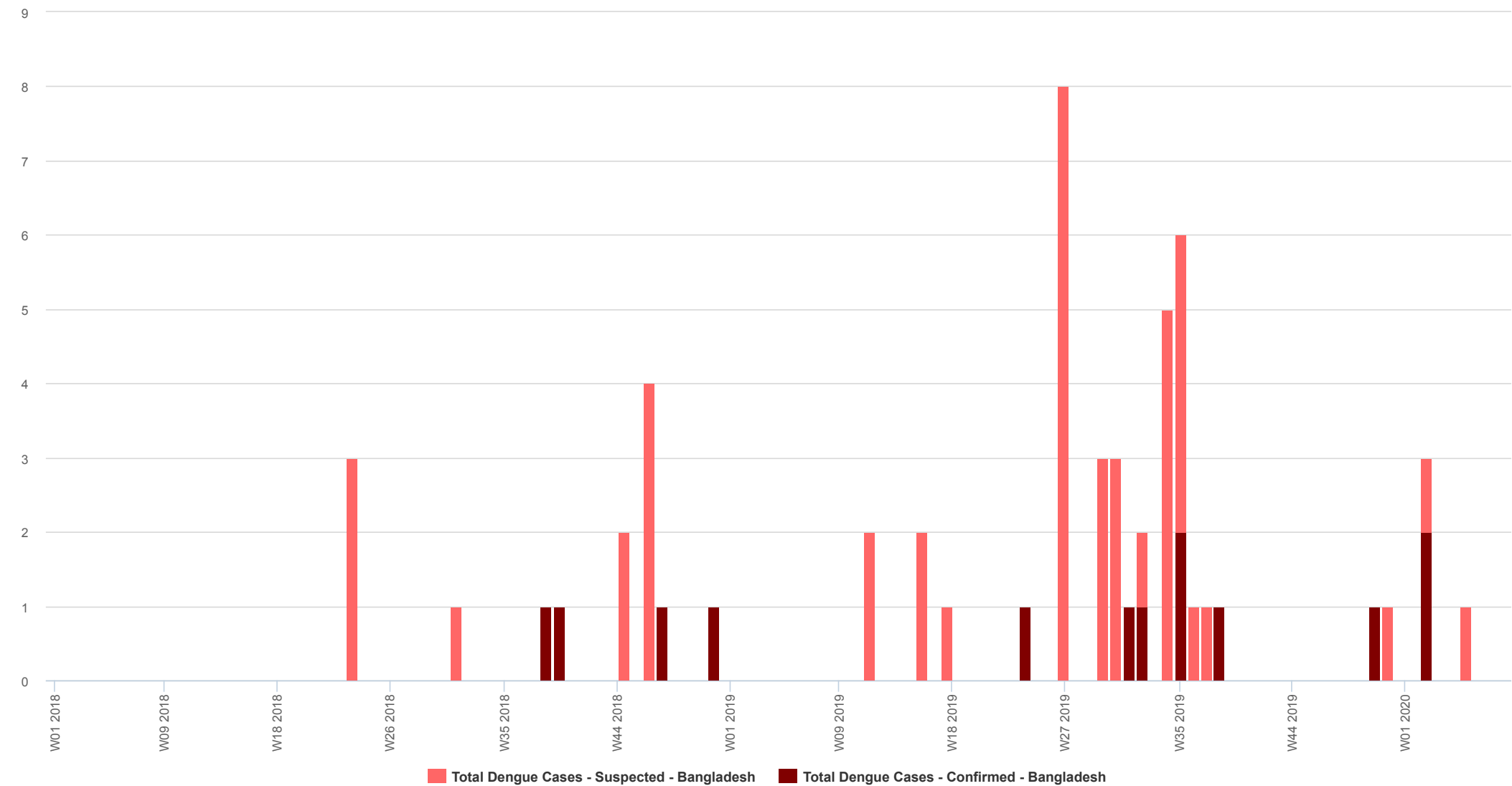
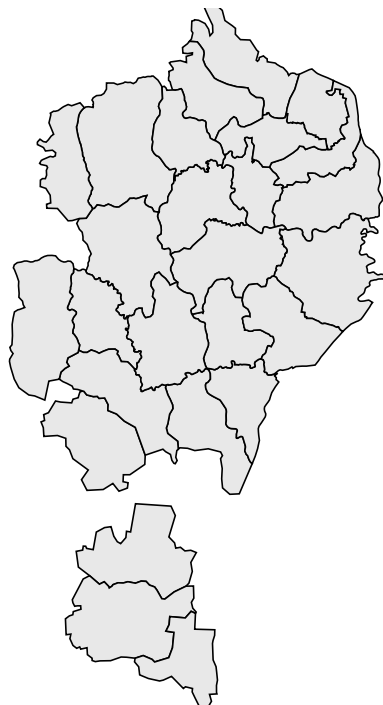


Figure 7 | Trend in number of cases over time (W38 2017 - W7 2020)

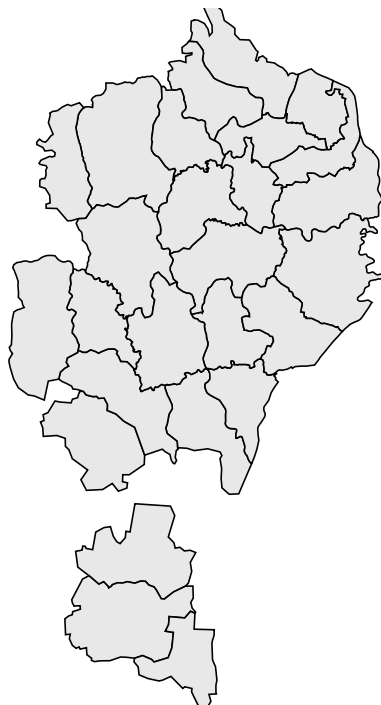


Map 4 | Map of cases by camp (W37 2017 - W7 2020)

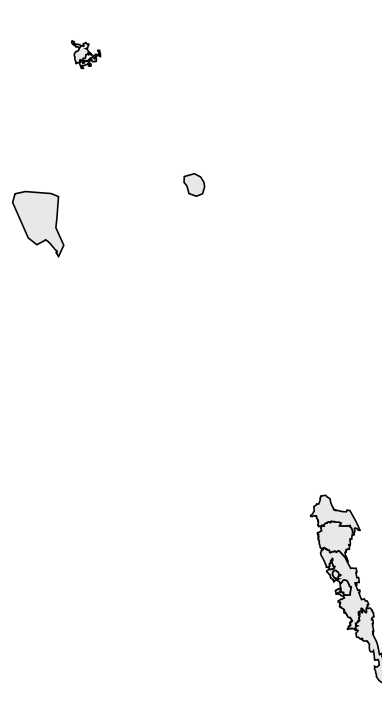
a. Ukhia | Number of cases



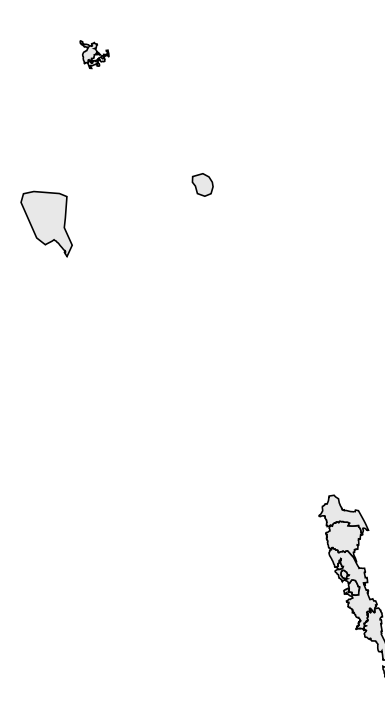
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

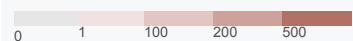


d. Teknaf | Number of alerts



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 (W7 2020)

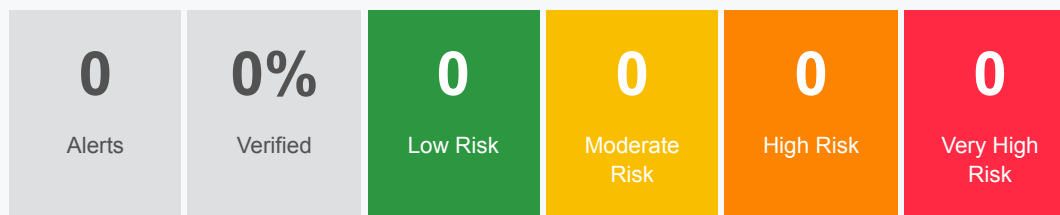


Figure | % sex



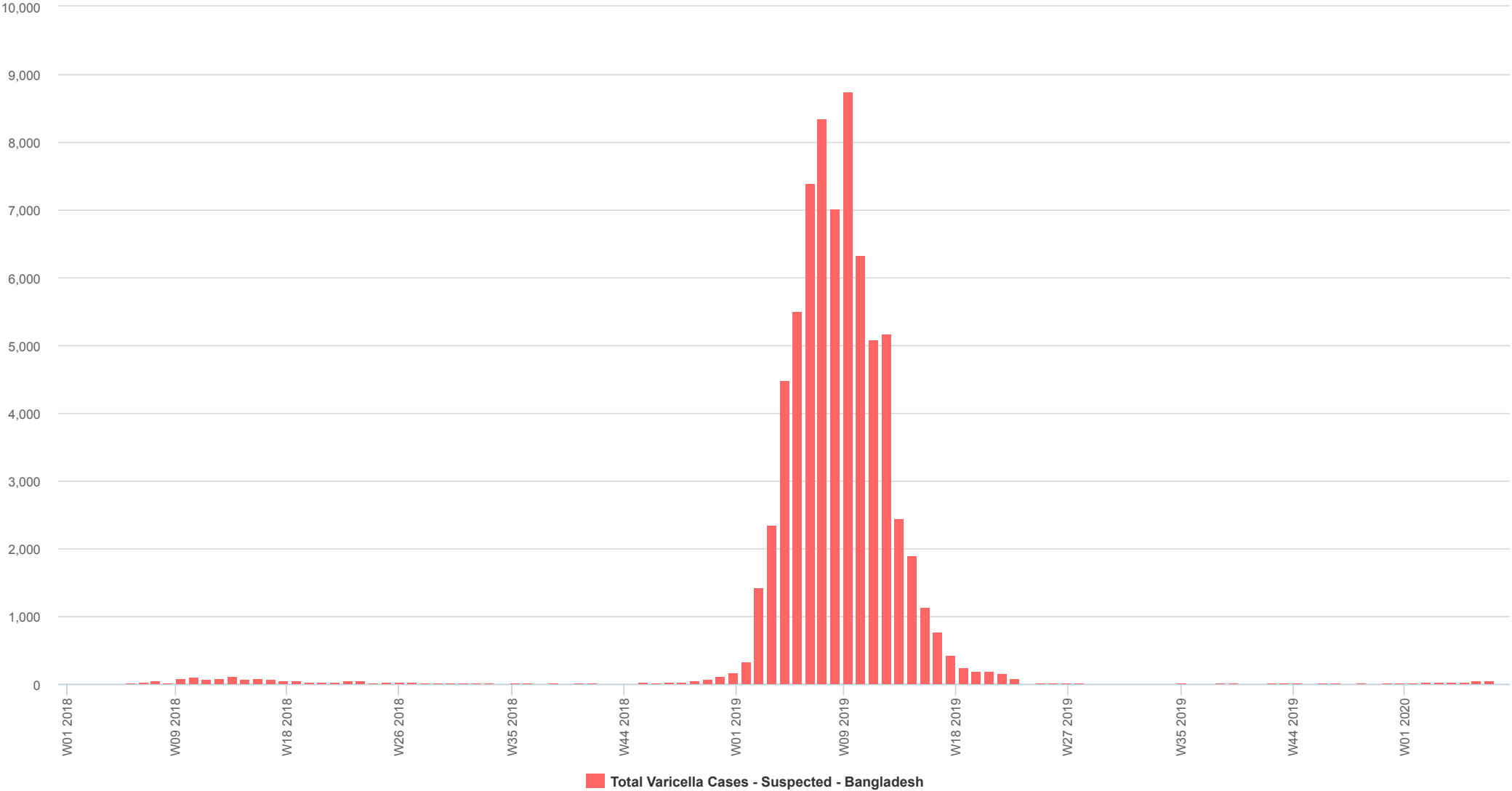
Male Female

Figure | % age



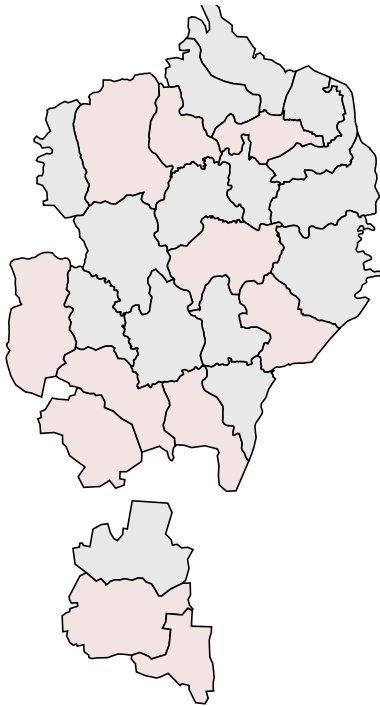
>= 5 < 5

Figure 7 | Trend in number of cases over time (W38 2017 - W7 2020)

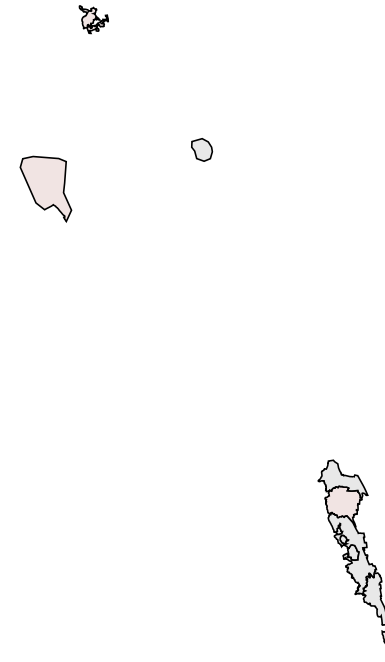


Map 4 | Map of cases by camp (W37 2017 - W7 2020)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

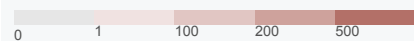
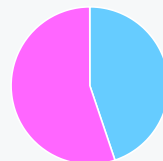
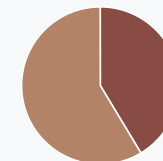


Figure | % sex



Male Female

Figure | % age



≥ 5 < 5

For more help and support, please contact:

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Notes

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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