Global EWARS

Epidemiological Highlights

Week 8 (22-28 Feb 2021)

World Health Organization

Highlights: COVID-19

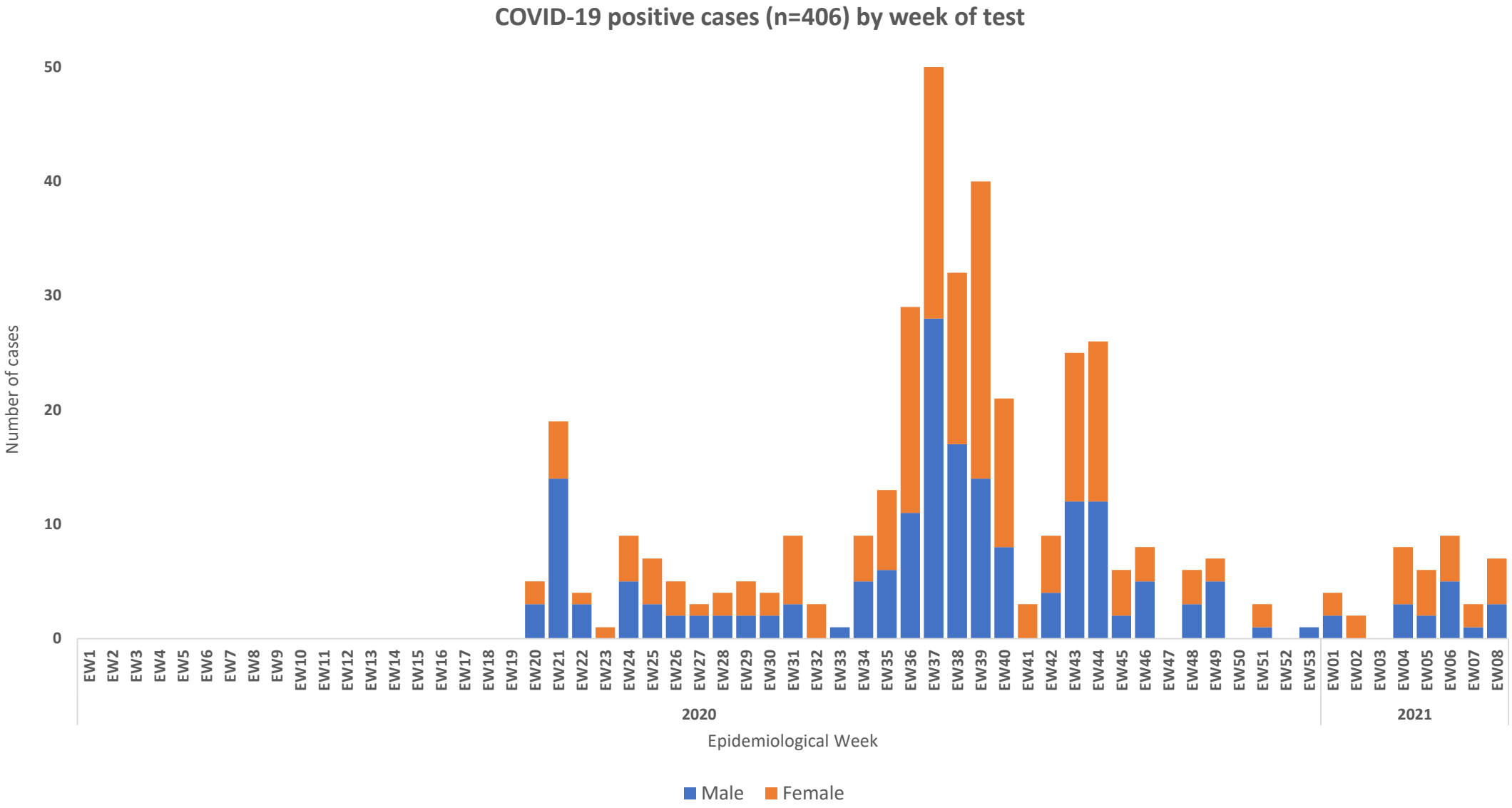
As of week 08, (22 – 28 Feb 2021) there are 406 confirmed cases of COVID-19 (SARS-CoV-2), 30 561 samples were tested.

This week (week 08), 7 new confirmed cases detected, 781 samples were tested, test positivity was 0.9%.

As of this week (week 08)

- Median age of tested and confirmed cases is 10 (0-120) and 18 (0-90) years
- Female among tested and confirmed cases is 55% and 53%
- All 34/34 camps have confirmed cases (C24-56, C2W-40, C3-30, C15-27, C6-25)
- A total of 10 deaths from COVID-19 with the case fatality rate 2.5%
- The incidence is 47.2 per 100,000 people with the growth rate 0.2%
- The overall positivity of all samples tested was 1.3%

Highlights: COVID-19



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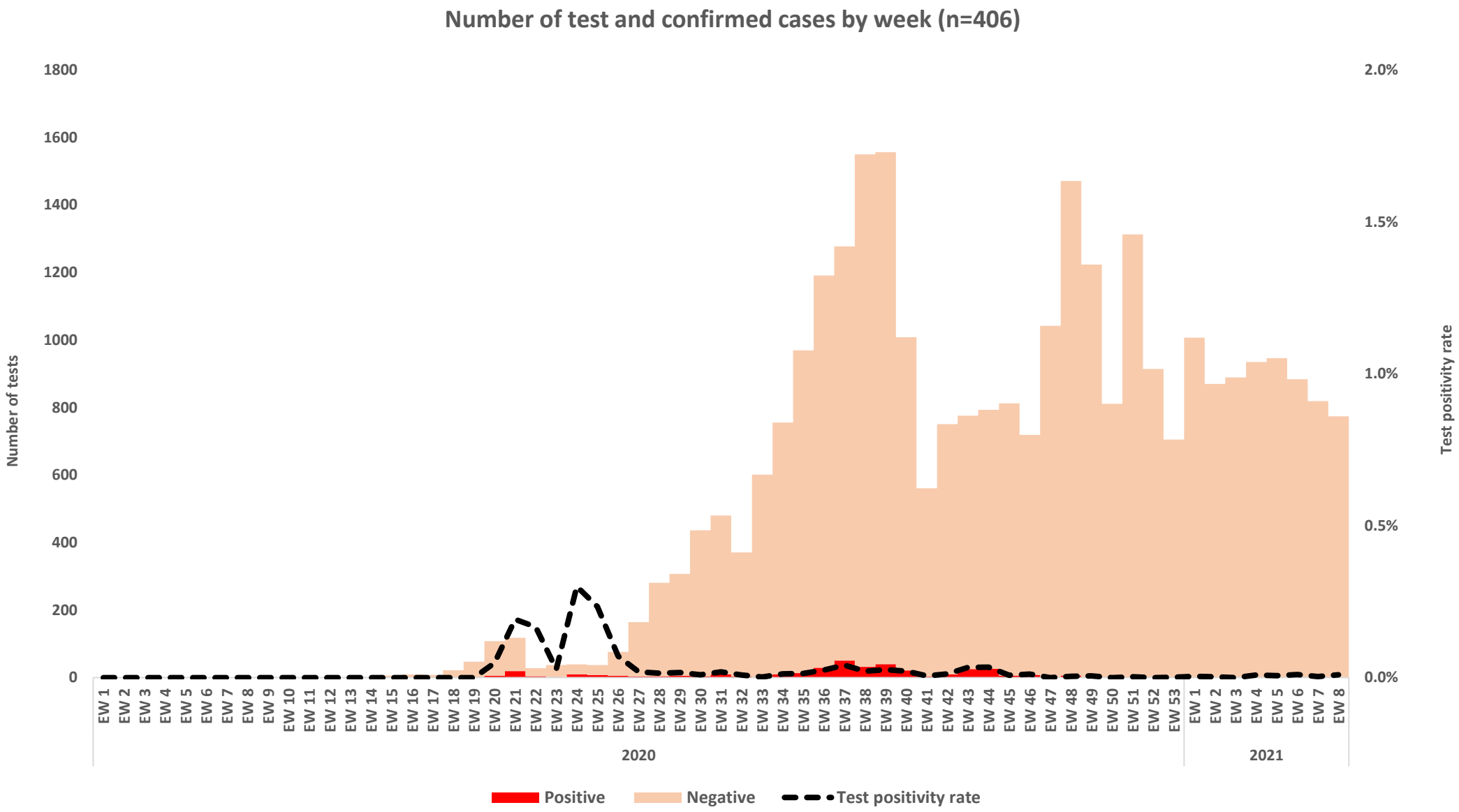
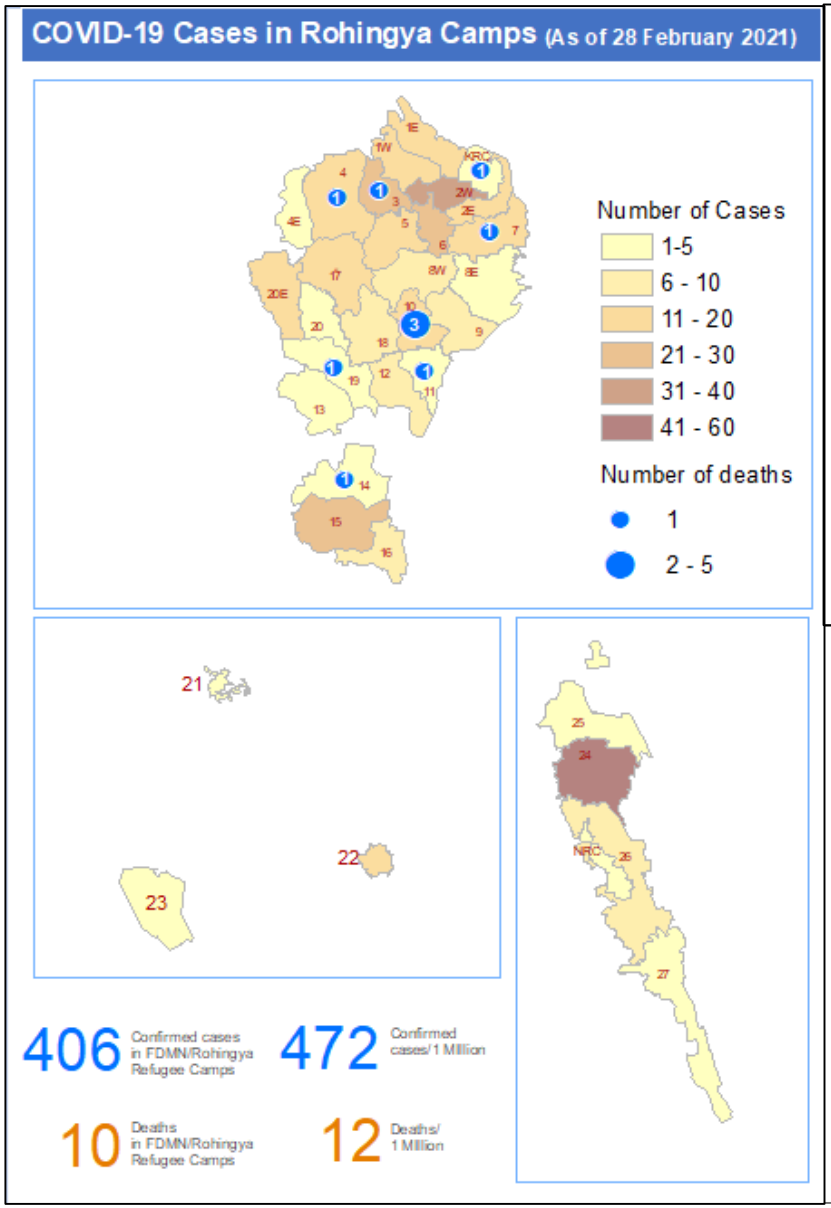
Highlights: COVID-19

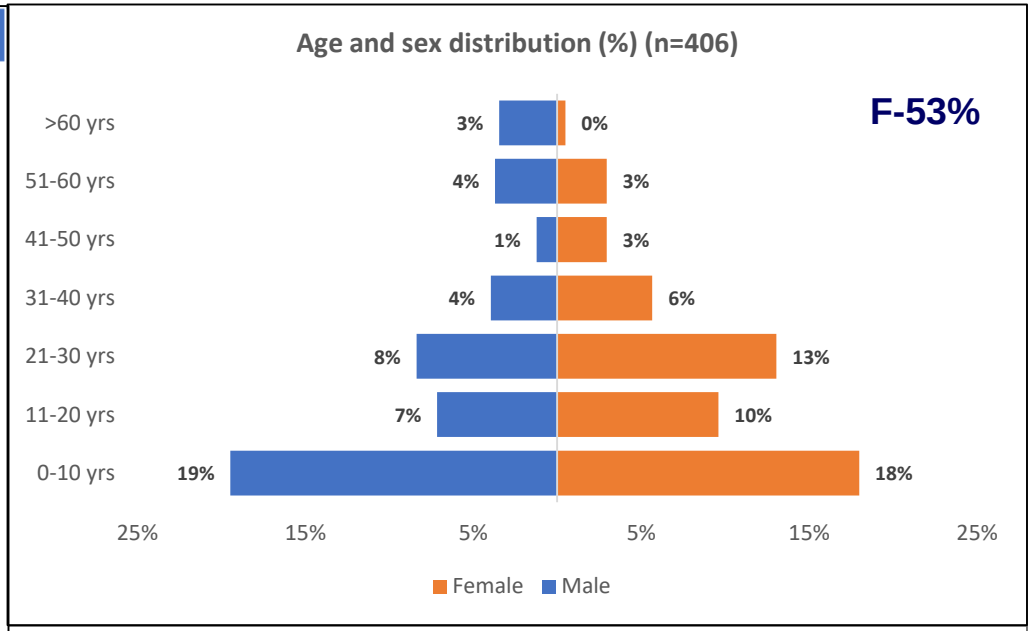


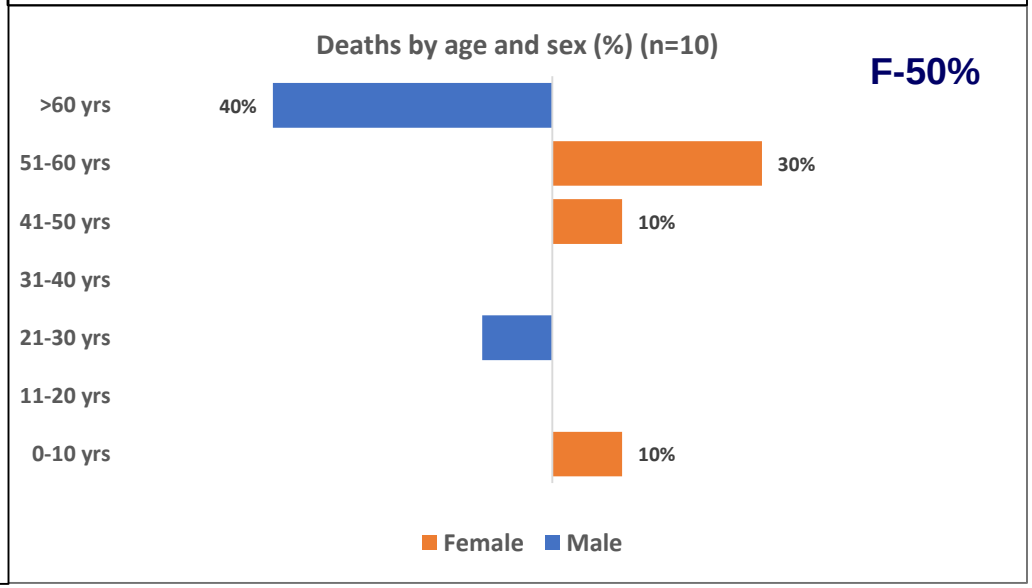
Global EWARS

World Health Organization

Highlights: COVID-19







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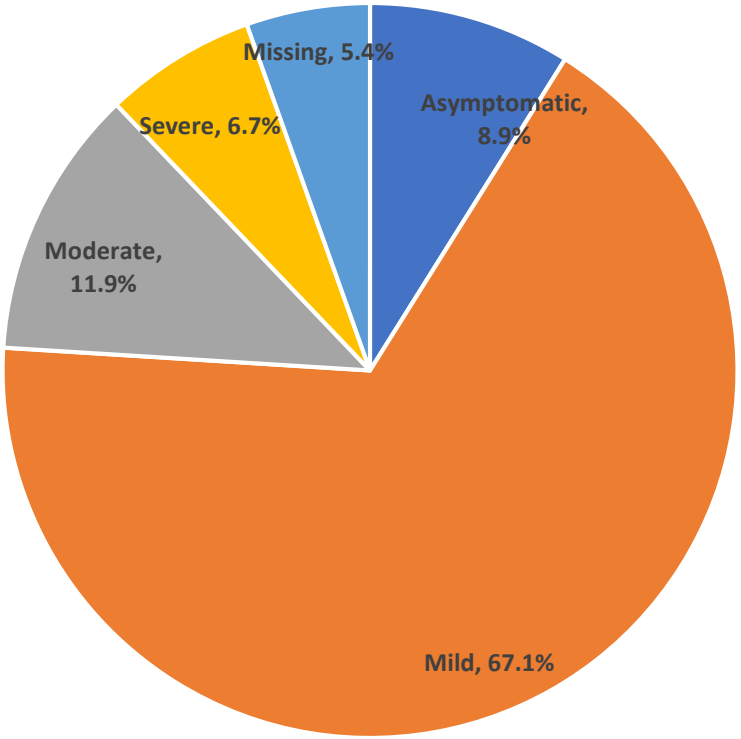
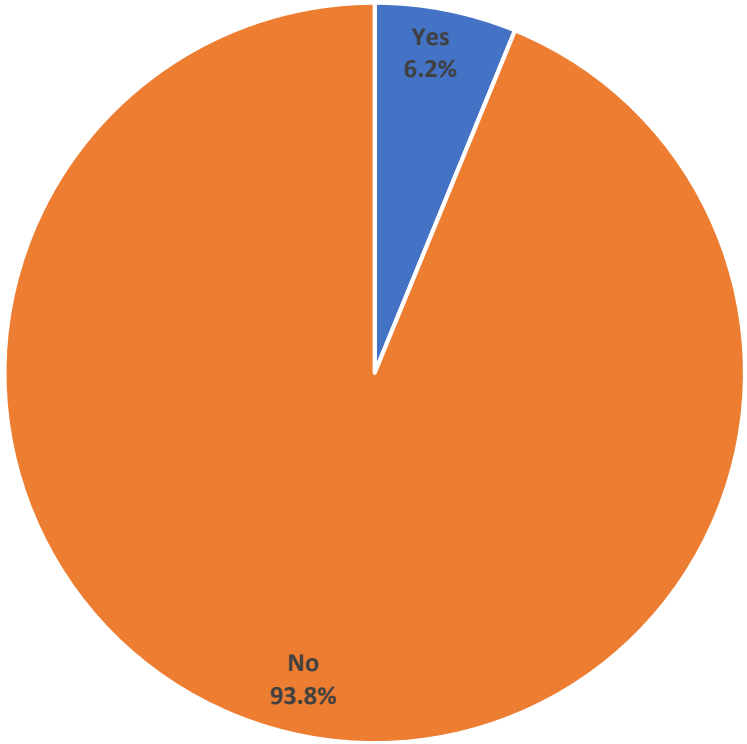
Highlights: COVID-19

Severity of reported cases at presentation (n=404)



Did the case report at least 1 co-morbidity (n=404)



Source: Go.Data

Highlights: COVID-19 Contact Tracing

- Total 404 (out of 406) confirmed cases have been investigated by Rapid Investigation and Response Team (RIRT) and captured through go.data.
- Total 1,553 contacts have been identified and registered for follow up
- Out of those, 1,324 (85%) contacts have been completed the follow up
- Thirteen (13) contacts (1%) tested positive during follow up period
- Average number of contacts is ~4 per positive case
- No geo clusters have been found out in camps

EWARS Reporting Updates

- Total 170/175 (97%) health facilities registered in EWARS
- Only 154/170 weekly reports received in week 8
- Completeness and Timeliness for this week is 91%
- Eighty-two (82) alerts were triggered in week 8
- All alerts were reviewed and verified by WHO EWARS team, the number is more than that of previous week (52 in week 7).

Highlights:

- Acute Respiratory Infection (18.7%), Diarrheal Diseases (4.4%) & Unexplained Fever (1.1%) are the diseases with highest proportional morbidity in week 8.

- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020. Seventy-three (73) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COIVD-19.

- Total 9 SARI deaths were considered as death due to probable COVID-19 till date.

Diphtheria

Six (6) suspected diphtheria cases were reported in go.data in week 8

A total of 9 233 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 802
- Suspected = 6 088

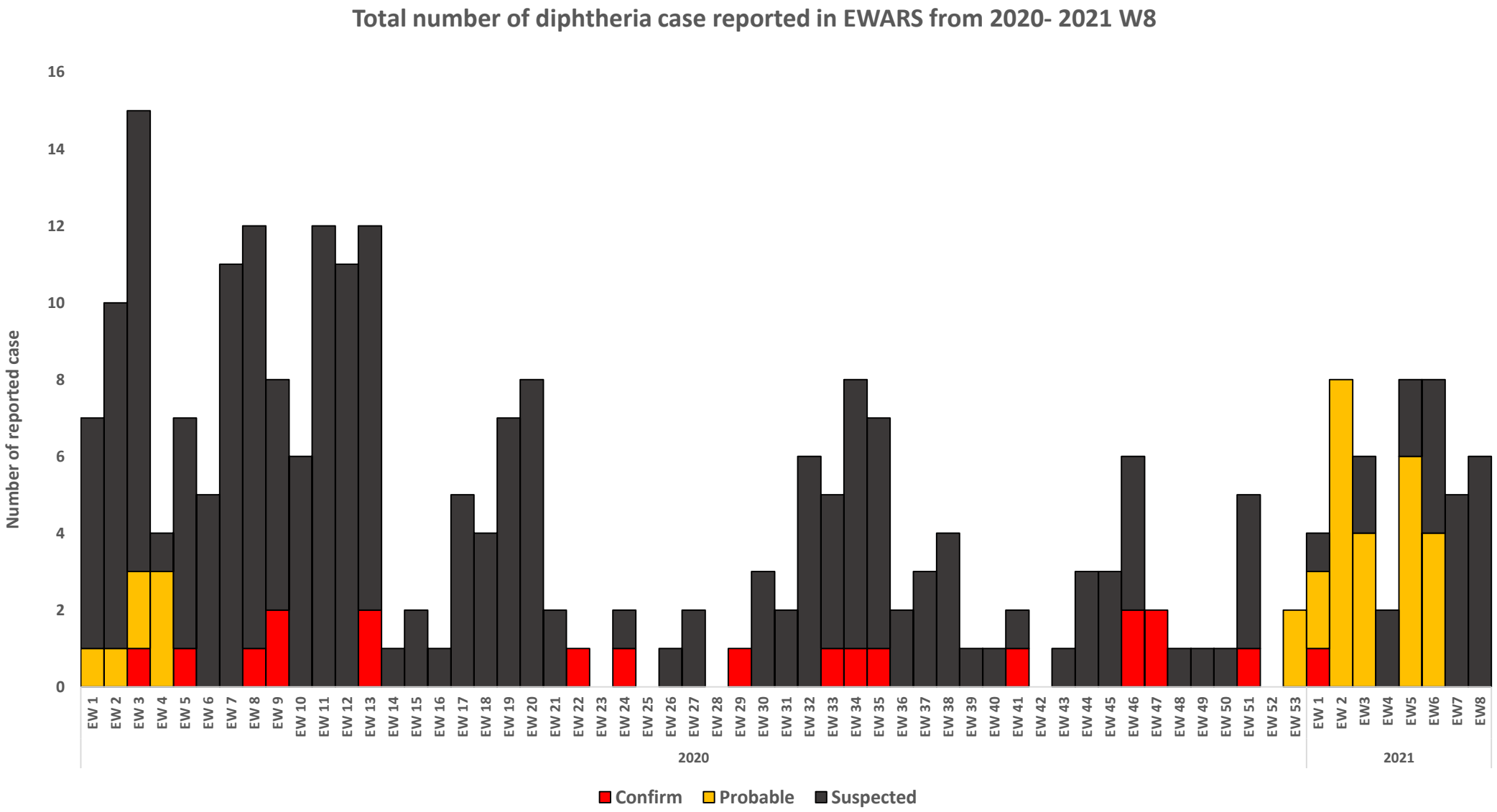
Total case reported in 2021 = 47

- Confirmed = 1
- Probable = 24
- Suspected =22

Last confirmed case was reported in week 1 (4 January 2021)

In total 47 deaths were reported, last death reported on 25 October 2019.

Diphtheria



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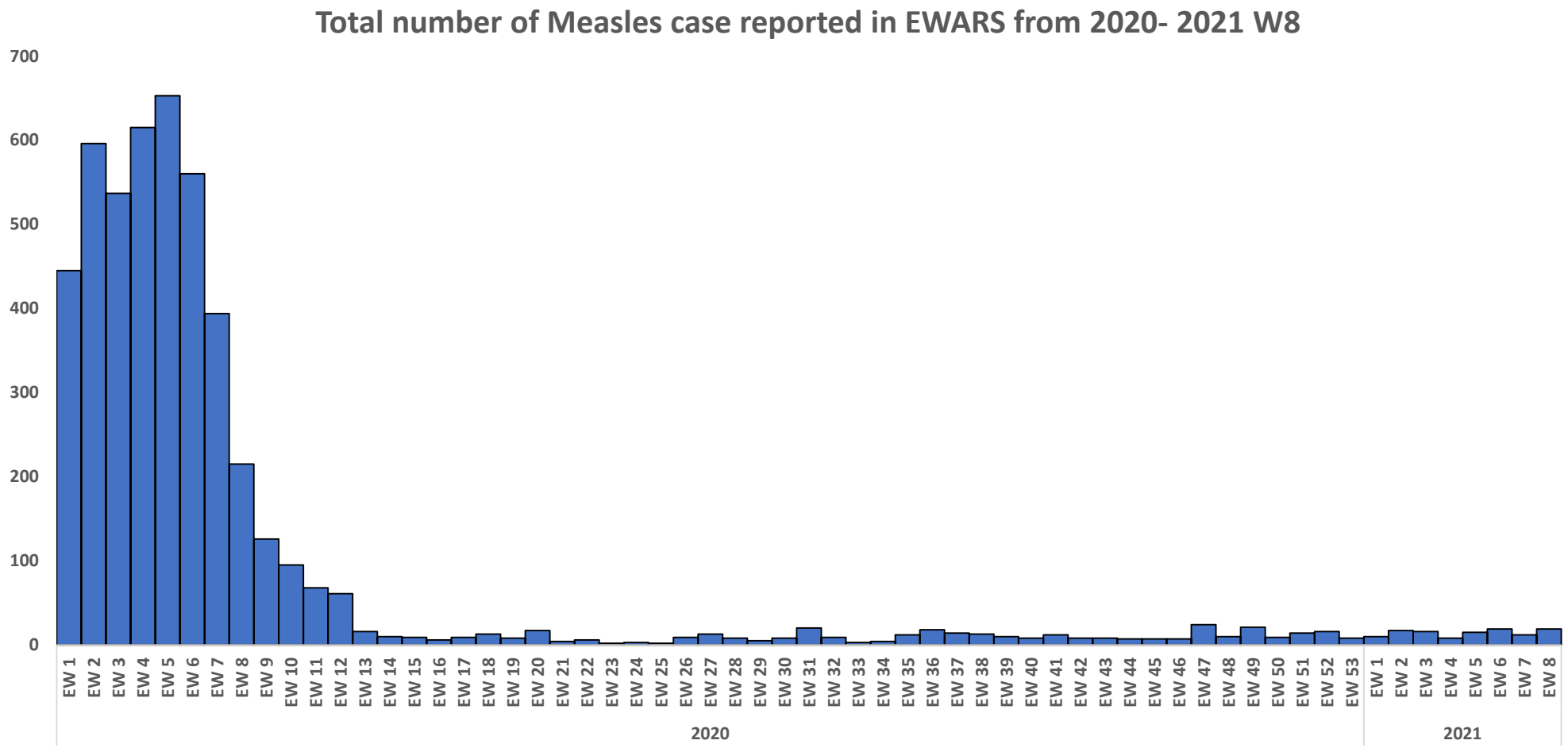
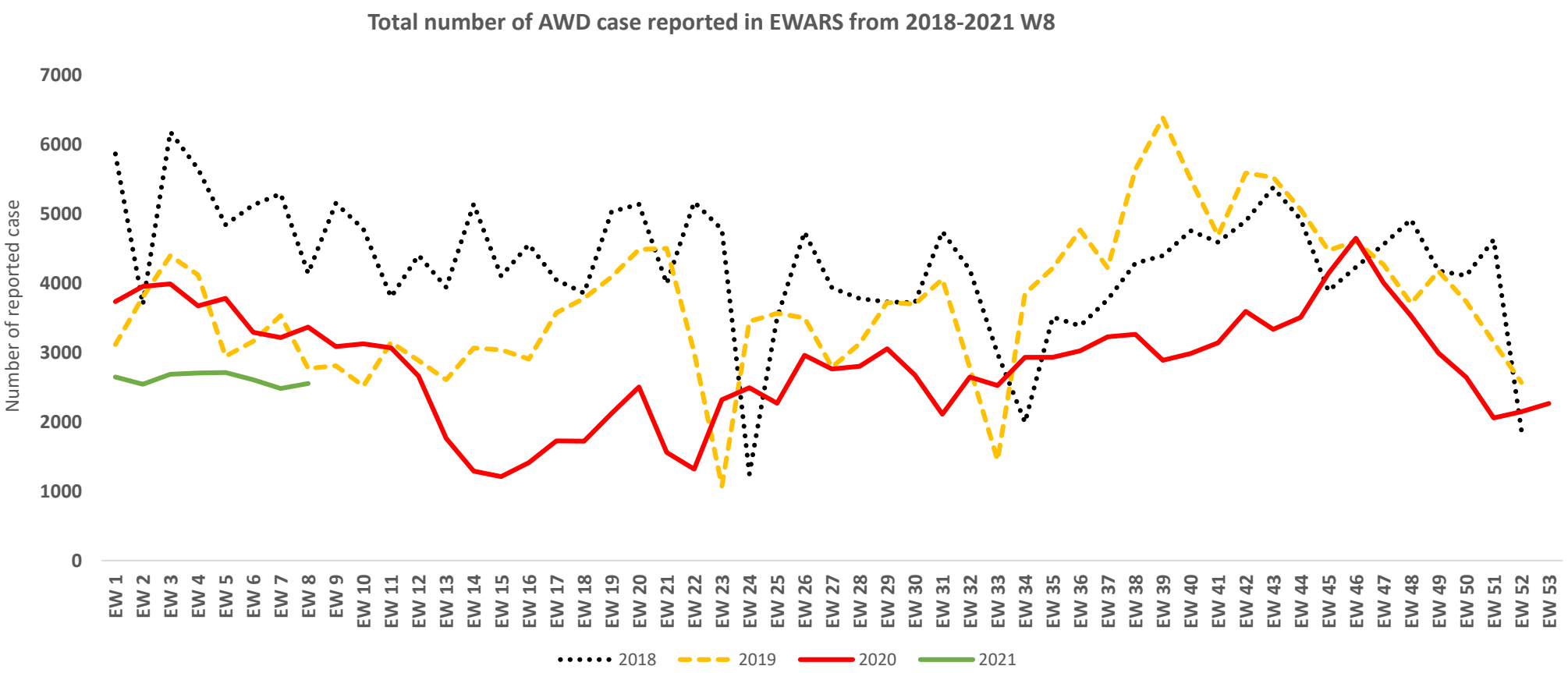
Measles



In week 8, 13 suspected measles cases were reported through weekly reporting. In total 116 cases reported in 2021, out of those 97 cases reported through case-based surveillance and samples collected for laboratory confirmation.

Diarrhoeal Disease

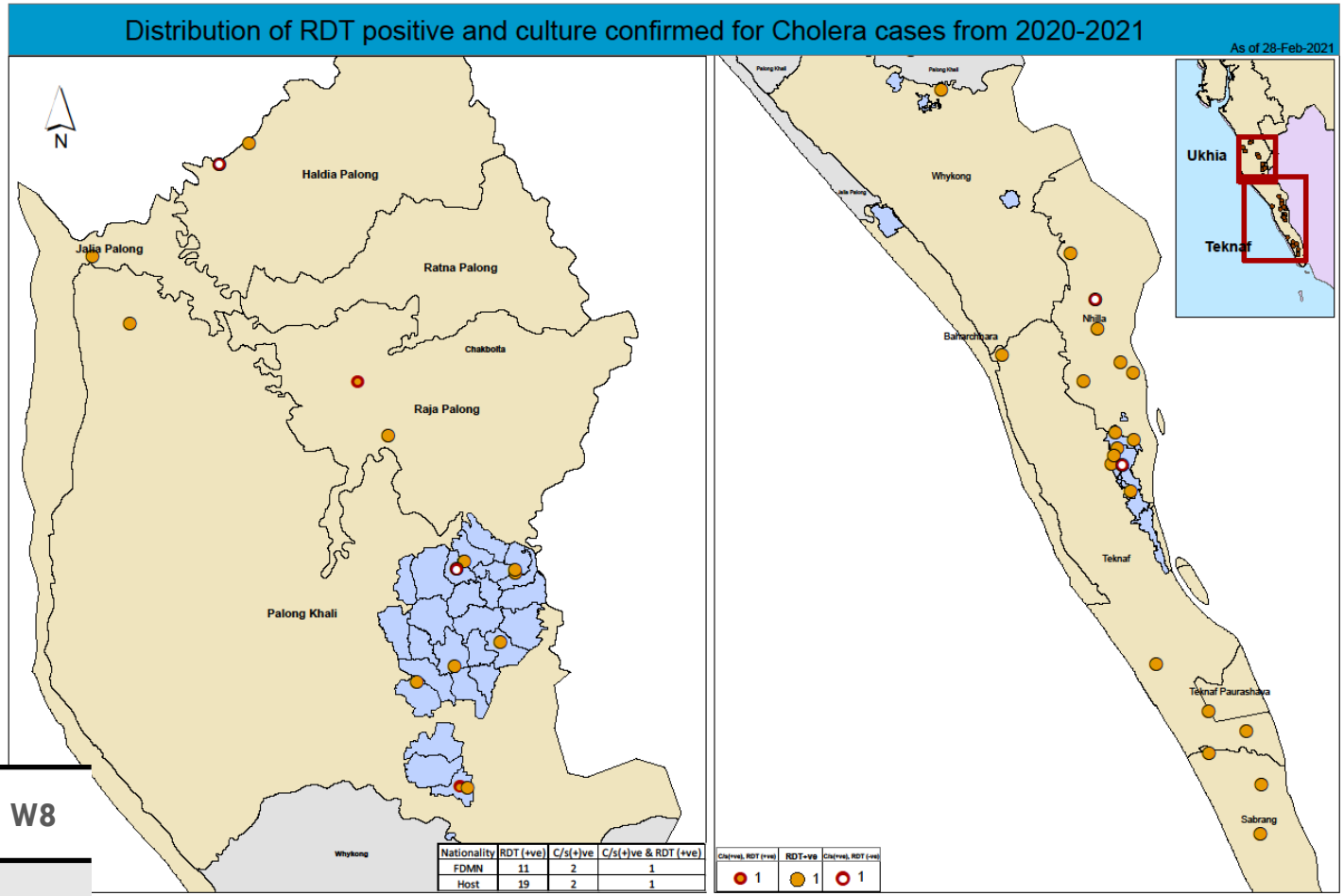


- A total of 3,737 cases of diarrhoeal diseases reported in EWARS in week 8.
- Among which 2,551 cases (3.0%) reported as acute watery diarrhoea (AWD), remaining 851 (1.0%) and 335 (0.4%) cases as other and bloody diarrhea, respectively.

Cholera Surveillance

- Total eight (8) Cholera RDT positive/culture cases reported as of W8 2021. Out of those 1 was confirmed and remaining seven were discarded by culture.

- In 2020, total 28 RDT/Culture positive cases for Cholera detected through sentinel testing. Specifically, 5 became confirmed by culture - 2 from Ukhiya Host, 1 from Teknaf host and 2 from Refugees.



	2018	2019	2020	2021 W8
RDT positive for Cholera	49	258	28	7
Culture Confirmed for Cholera	**7**	**184**	**5***	**1**

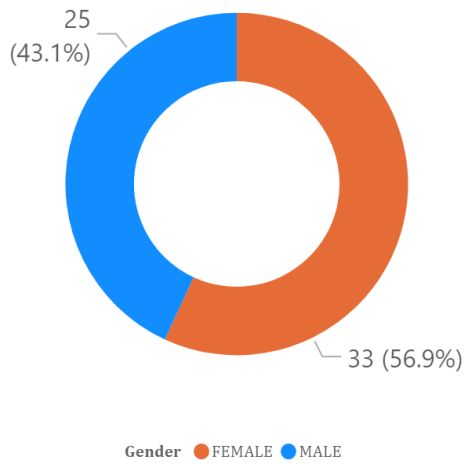
*3 culture confirmed cases were RDT negative in 2020

Community-based Mortality surveillance

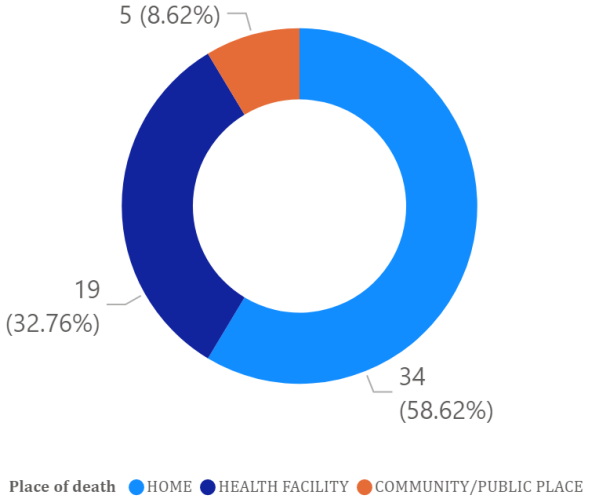
- In week 8, 58 deaths were recorded
  - 66% (n=38) were due to causes classified as “Others”
  - 24% (n=14) as still birth (Born Dead)
  - 5% (n=3) as maternal Death
  - 3% (n=2) as Severe Acute Respiratory Illness.
  - 2% (n=1) as neonatal (<28 days old)
- Out of reported deaths, 32.8% occurred in health facilities, 58.6% at homes and 8.6% from community/public places.
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

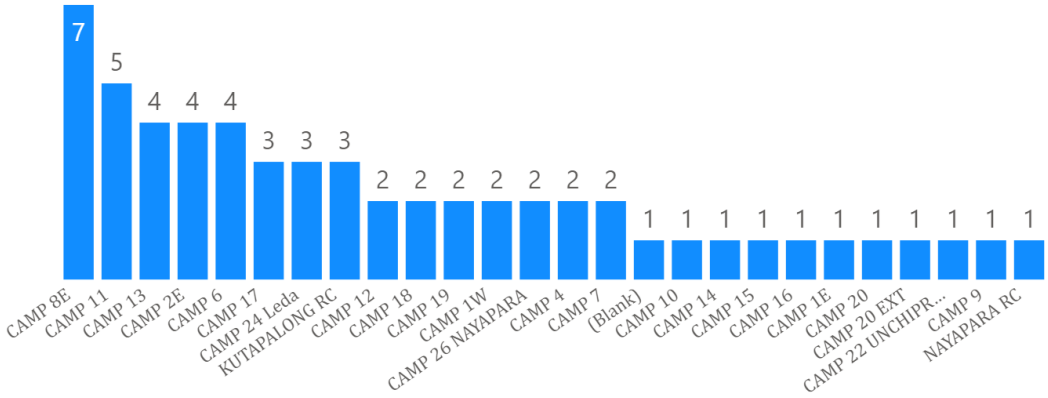
Gender Distribution (n=58)



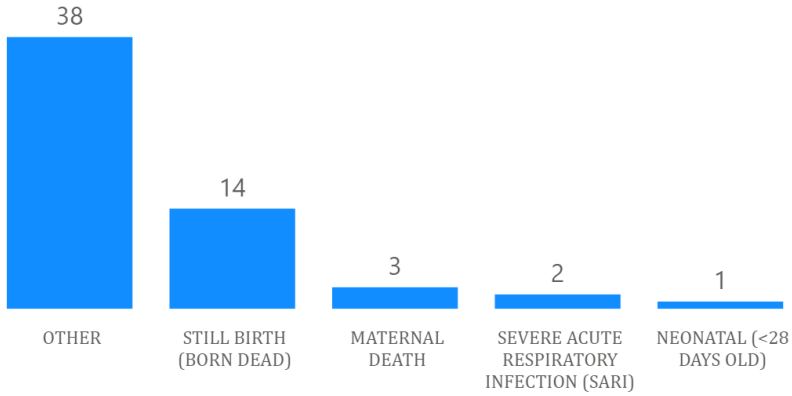
Place of Death (n=58)



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W8 2021

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 W8 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population[1]
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
170	97%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W8	Cumulative (2021)	
154	1433	Number of weekly reports received
91%	84%	Completeness
91%	78%	Timeliness

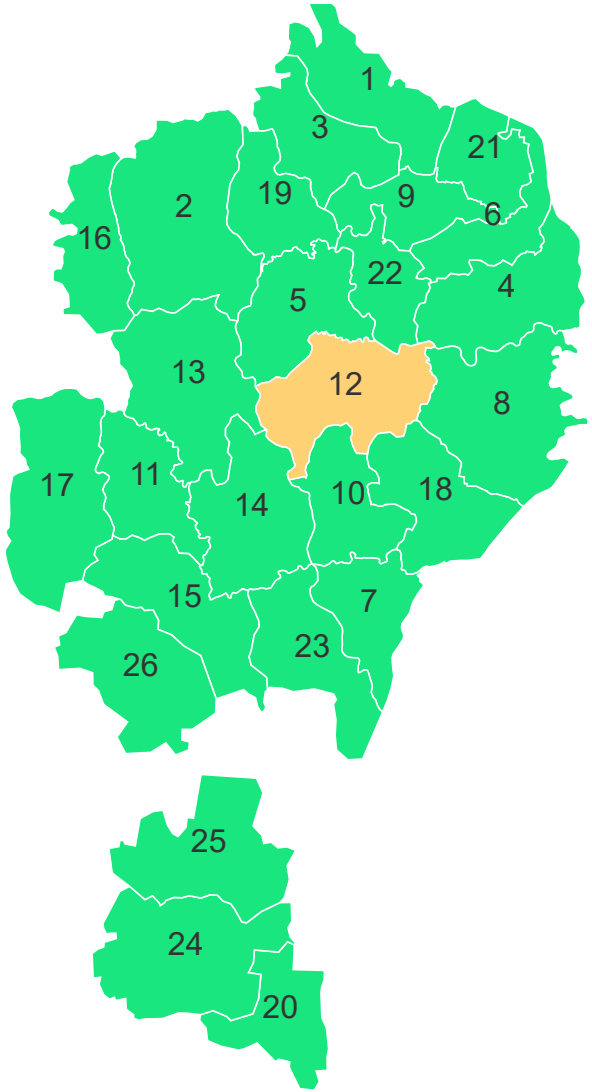
Table 3 Alert performance indicators

W8	Cumulative (2021)	
82	632	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 Goverment of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

Map 1a | Ukhia completeness by camp

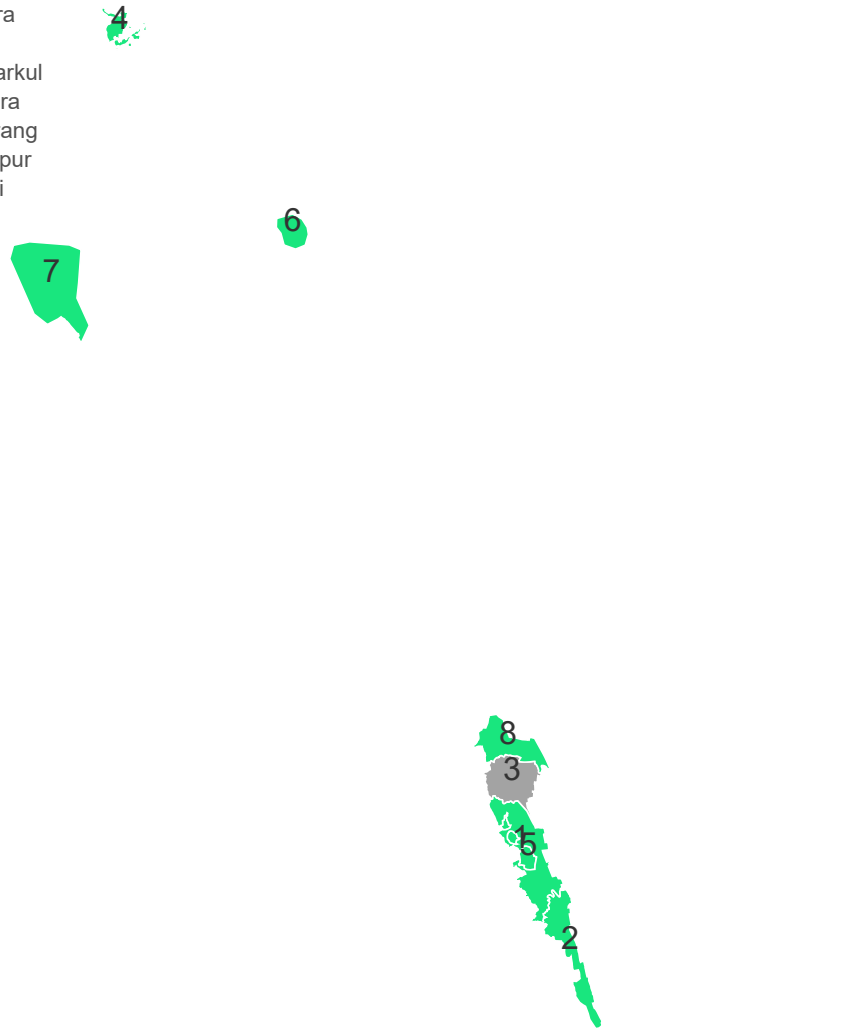
1 Camp 1E
2 Camp 4
3 Camp 1W
4 Camp 7
5 Camp 5
6 Camp 2E
7 Camp 11
8 Camp 8E
9 Camp 2W
10 Camp 10
11 Camp 20
12 Camp 8W
13 Camp 17
14 Camp 18
15 Camp 19
16 Camp 4 Ext
17 Camp 20 Ext
18 Camp 9
19 Camp 3
20 Camp 16
21 Kutupalong RC
22 Camp 6
23 Camp 12
24 Camp 15
25 Camp 14
26 Camp 13



Completeness
0 25% 50% 75% 100%

Map 1b | Teknaf completeness by camp

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



Completeness
0 25% 50% 75% 100%

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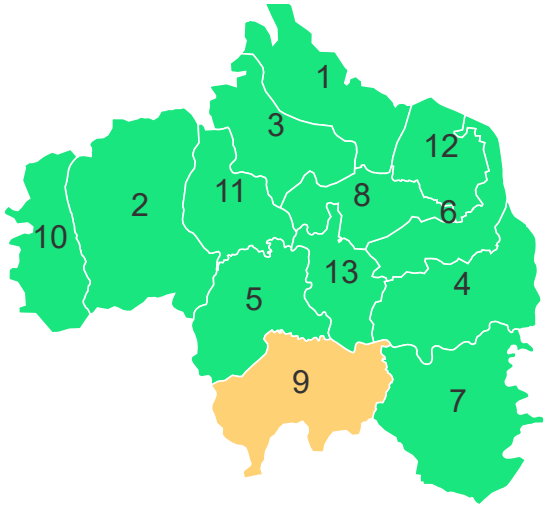
Table 4 | Performance by camp (W8 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	4	100%	100%
Camp 1W	4	4	100%	100%
Camp 2E	3	3	100%	100%
Camp 2W	2	2	100%	100%
Camp 3	6	6	100%	100%
Camp 4	6	6	100%	100%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	5	100%	100%
Camp 6	4	3	75%	75%
Camp 7	6	5	83%	83%
Camp 8E	7	7	100%	100%
Camp 8W	6	4	67%	67%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp

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



Completeness
0 25% 50% 75% 100%

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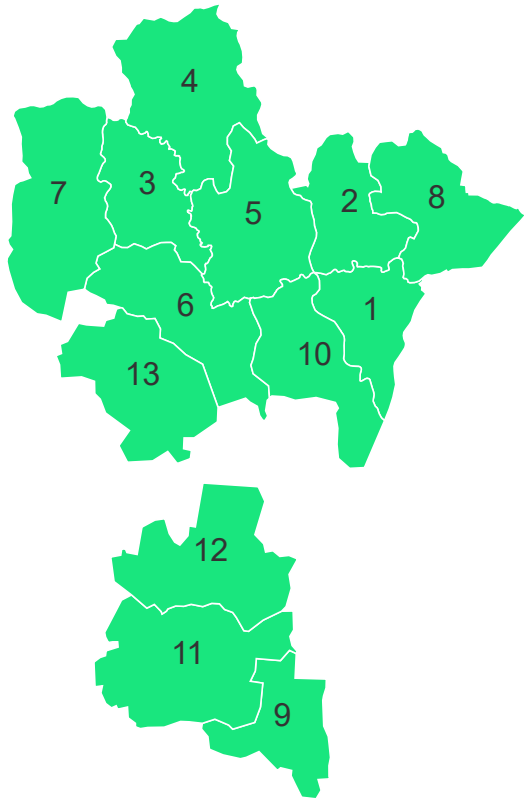
Table 5 | Performance by camp (W8 2021)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	100%	100%
Camp 11	9	9	100%	100%
Camp 12	6	6	100%	100%
Camp 13	9	8	89%	89%
Camp 14	7	7	100%	100%
Camp 15	9	9	100%	100%
Camp 16	5	4	80%	80%
Camp 17	6	5	83%	83%
Camp 18	5	4	80%	80%
Camp 19	6	6	100%	100%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	2	100%	100%
Camp 9	6	5	83%	83%

Map 3 | Completeness by camp

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



Completeness
0 25% 50% 75% 100%

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Table 6 | Performance by camp (W8 2021)

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

Map 4 | Completeness by camp

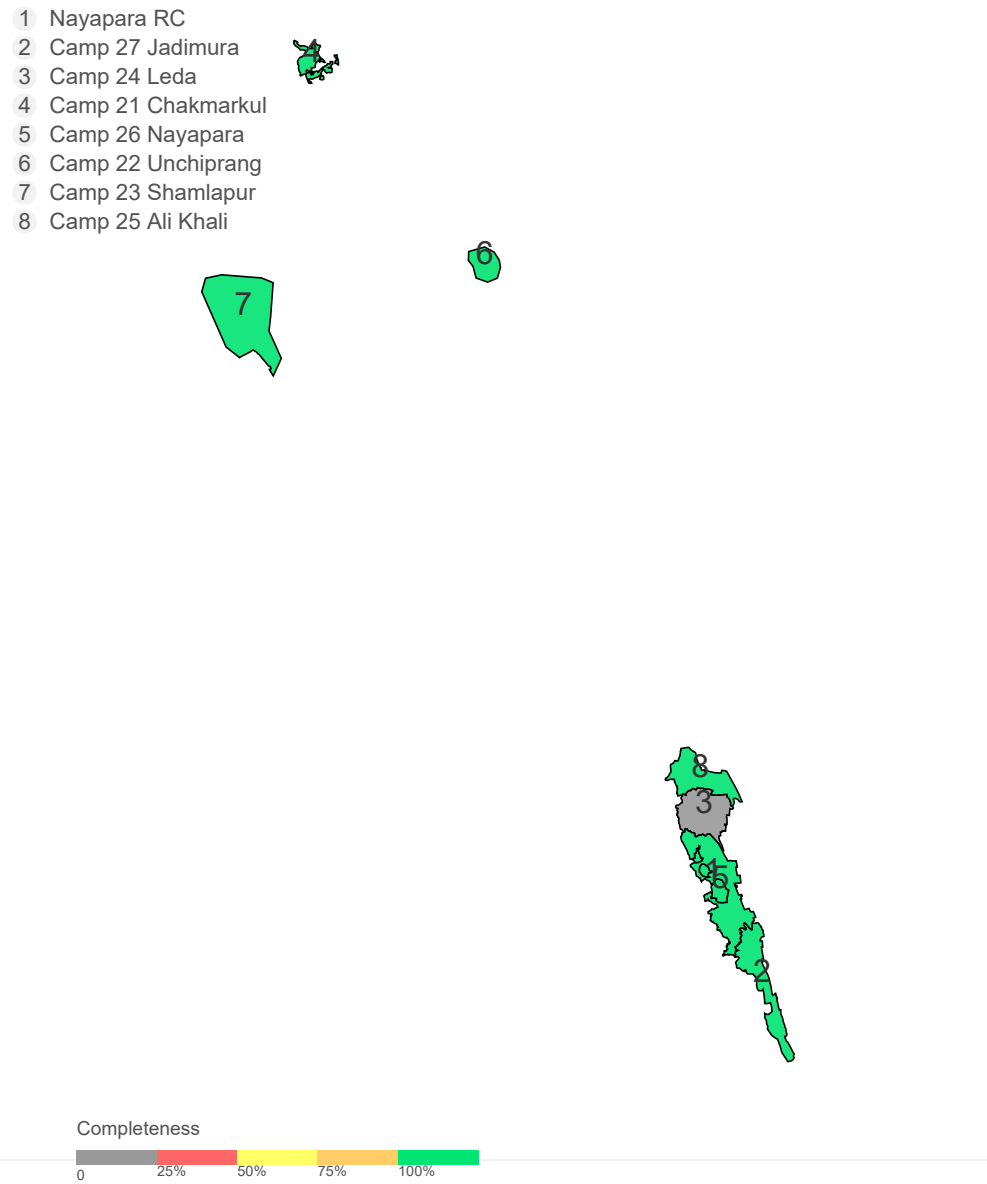


Table 7 | Performance by partner (W8 2021)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	12	10	83%	83%
BRAC	11	10	91%	91%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	10	83%	83%
GK	10	10	100%	100%
HMBDF	1	1	100%	100%
IOM	23	21	91%	91%
IRC	2	2	100%	100%
MSF	9	9	100%	100%
MoH	7	3	43%	43%
Hope	4	4	100%	100%
Medair	2	2	100%	100%

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	3	3	100%	100%
PHD	10	9	90%	90%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	11	9	82%	82%
SCI	7	7	100%	100%
TdH	1	1	100%	100%

Table 8 | Performance by camp

Northern group	W8		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	1	100%	11	100%
Camp 1W	3	100%	30	100%
Camp 2E	5	100%	44	100%
Camp 2W	1	100%	21	100%
Camp 3	2	100%	40	100%
Camp 4	5	100%	22	100%
Camp 4 Ext	0	0%	5	100%
Camp 5	2	100%	28	100%
Camp 6	2	100%	19	100%
Camp 7	0	0%	7	100%
Camp 8E	2	100%	9	100%
Camp 8W	5	100%	36	100%
Kutupalong RC	2	100%	7	100%

Map 5 | Number of alerts by camp

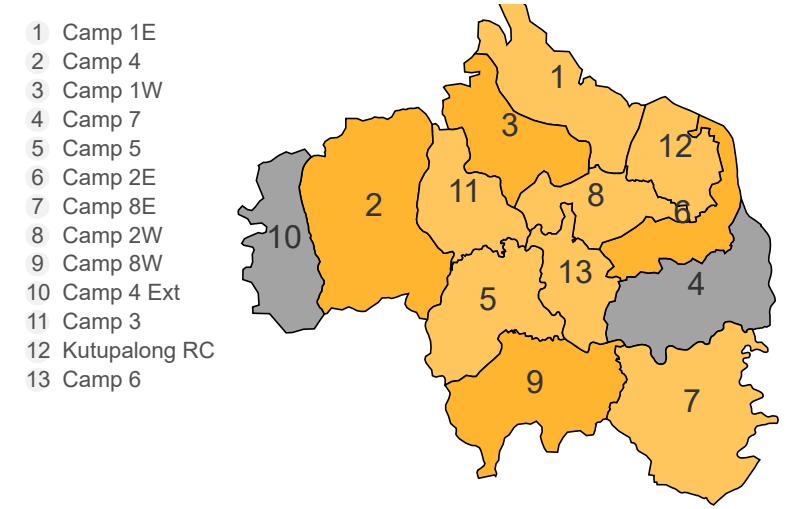
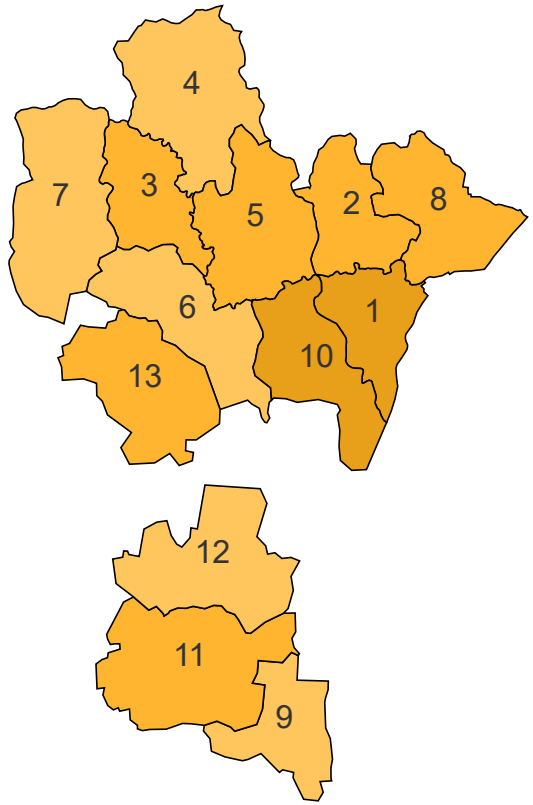


Table 9 | Performance by camp

Southern group	W8		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	3	100%	24	100%
Camp 11	6	100%	24	100%
Camp 12	6	100%	27	100%
Camp 13	4	100%	24	100%
Camp 14	2	100%	18	100%
Camp 15	3	100%	17	100%
Camp 16	2	100%	26	100%
Camp 17	2	100%	17	100%
Camp 18	4	100%	31	97%
Camp 19	1	100%	8	100%
Camp 20	3	100%	17	100%
Camp 20 Ext	1	100%	12	100%
Camp 9	3	100%	30	100%

Map 6 | Number of alerts by camp

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



# of alerts
0 2 5 10

Table 10 | Performance by camp

Teknaf	W8		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	0	0%	5	100%
Camp 22 Unchiprang	2	100%	8	100%
Camp 23 Shamlapur	1	100%	7	100%
Camp 24 Leda	2	100%	12	100%
Camp 25 Ali Khali	1	100%	3	100%
Camp 26 Nayapara	5	100%	24	100%
Camp 27 Jadimura	0	0%	2	100%
Nayapara RC	1	100%	8	100%

Map 7 | Number of alerts by camp

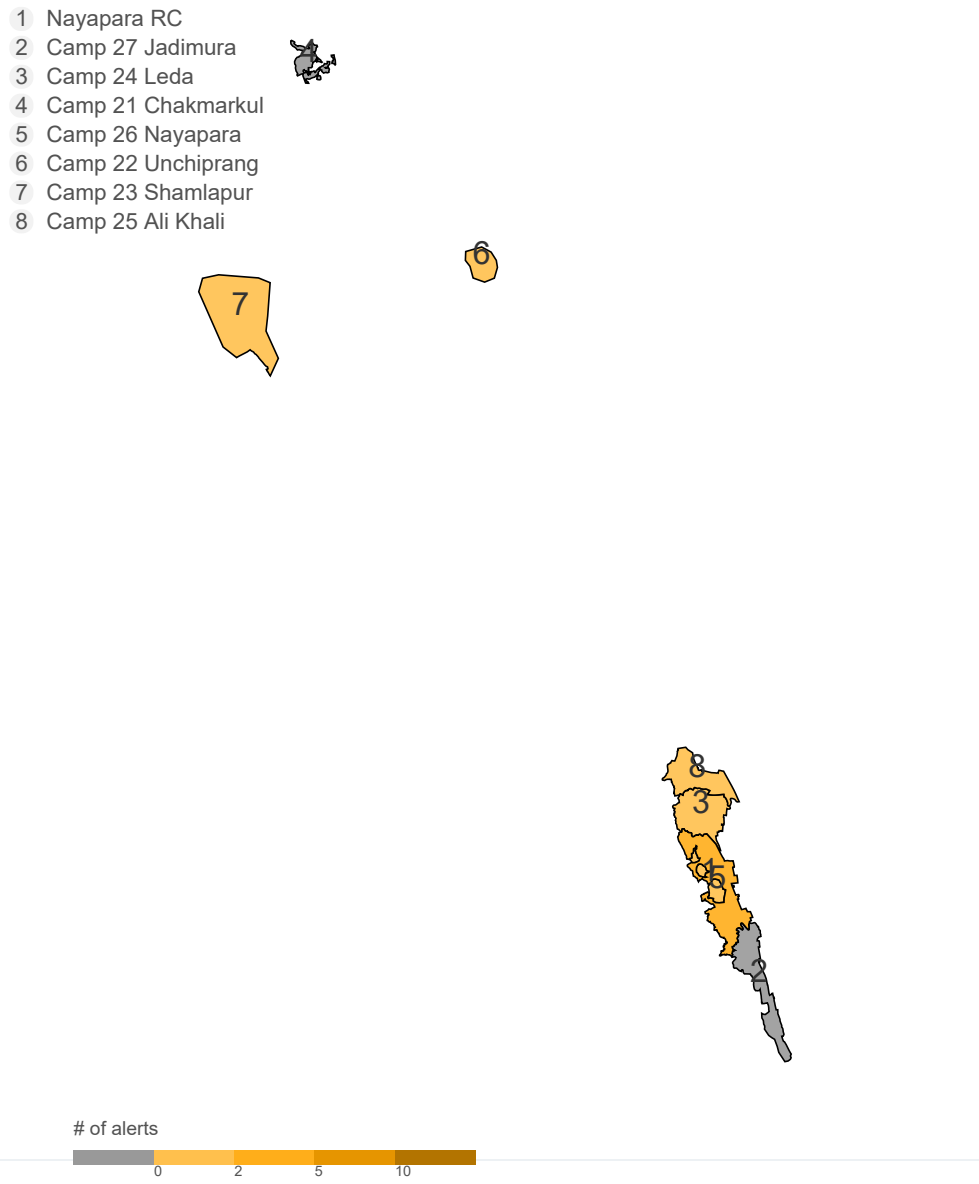


Table 11 | Performance by type of alert

Event	W8		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	12	100%	86	100%
Bloody Diarr.	0	0%	0	0%
AFP	1	100%	4	100%
Meningitis	0	0%	7	100%
Haem. fever (susp.)	0	0%	1	100%
NNT	0	0%	0	0%
Unexp. fever	2	100%	25	100%
AWD	5	100%	47	100%
ARI	3	100%	45	98%
AJS	0	0%	6	100%
Varicella (Susp.)	6	100%	16	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	8	100%	42	100%

Table 12 | Risk assessment

W8	Cumulative (2021)	
0	5	Low risk
0	1	Moderate risk
0	1	High risk
0	0	Very high risk

For more help and support, please contact:

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Telephone: +88 017 0120 2994

Email: khan@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.

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Ministry of Health and Family Welfare Bangladesh

World Health Organization

HEALTH SECTOR COX'S BAZAR

Global EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W8 2021

Ministry of Health and Family Welfare Bangladesh

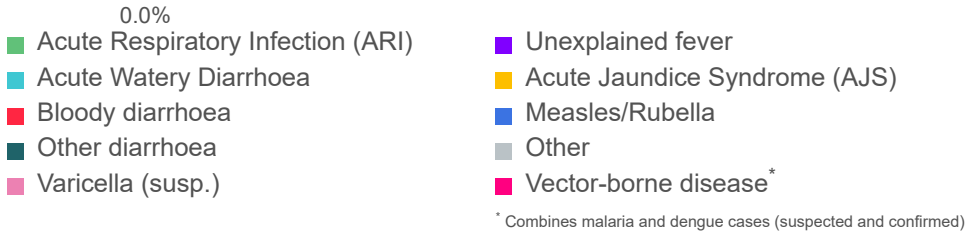
World Health Organization

HEALTH SECTOR COX'S BAZAR

Printed: 06:38 Monday, 08 March 2021 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W8 2021)



Disease	W8		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,551	3.0%	24,624	2.9%
Bloody diarr.	335	0.4%	3,411	0.4%
Other diarr.	851	1.0%	8,073	0.9%
Susp. Varicella	264	0.3%	1,082	0.1%
ARI	16,070	18.7%	169,122	19.7%
Measles/Rub.	19	0.0%	129	0.0%
AFP	3	0.0%	5	0.0%
Susp. menin.	0	0.0%	13	0.0%
AJS	9	0.0%	90	0.0%
Susp. HF	0	0.0%	0	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	0	0.0%
Malaria (conf.)	0	0.0%	2	0.0%
Malaria (susp.)	0	0.0%	11	0.0%
Dengue (conf.)	1	0.0%	1	0.0%
Dengue (susp.)	0	0.0%	0	0.0%
Unexpl. fever	917	1.1%	7,648	0.9%
Sev. Malnut.	29	0.0%	290	0.0%
Inj./Wounds	2,067	2.4%	21,862	2.5%
Other	62,814	73.1%	620,817	72.4%
Total	**85,042**	**100%**	**857,452**	**100%**

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W8)

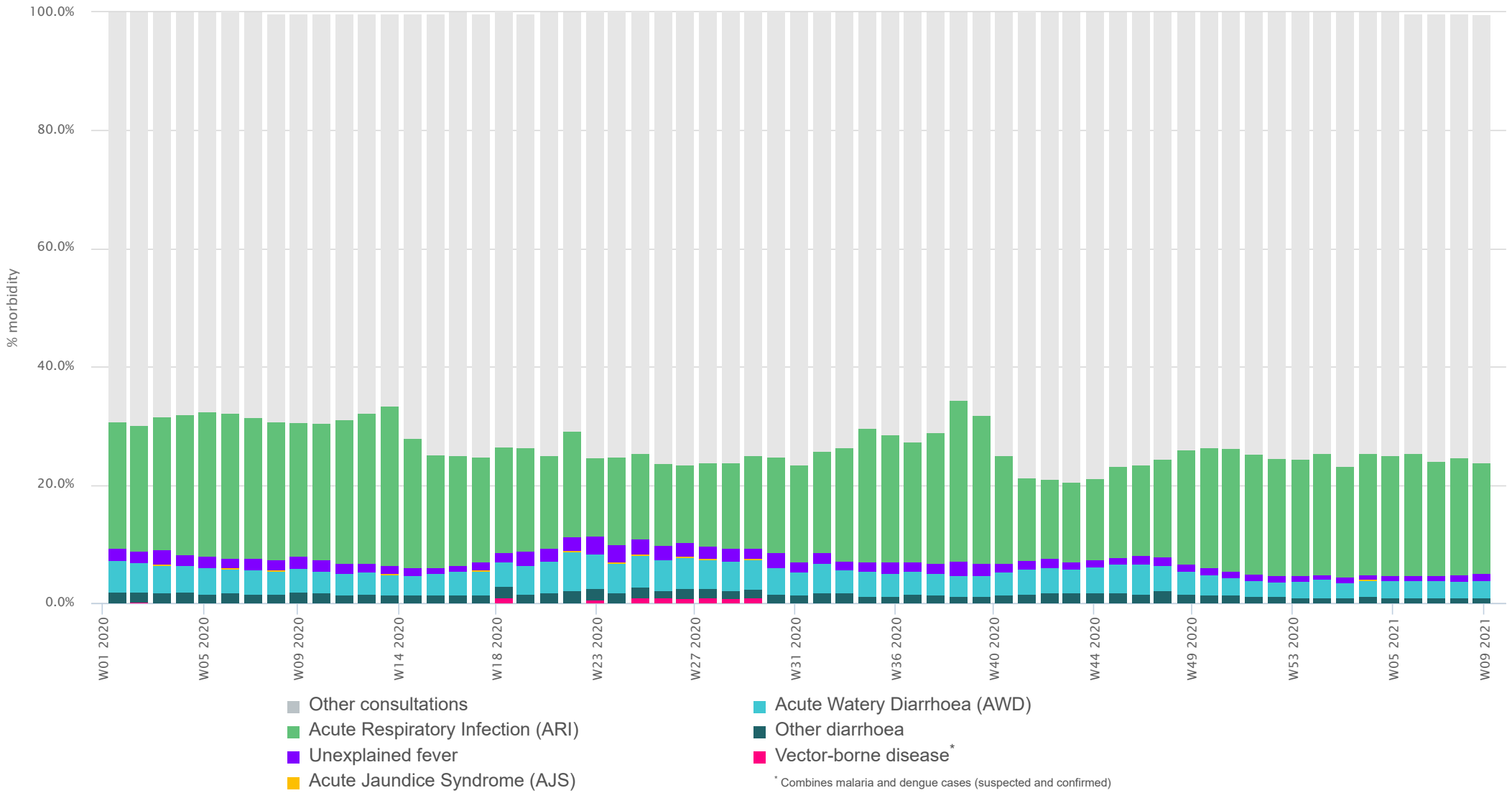
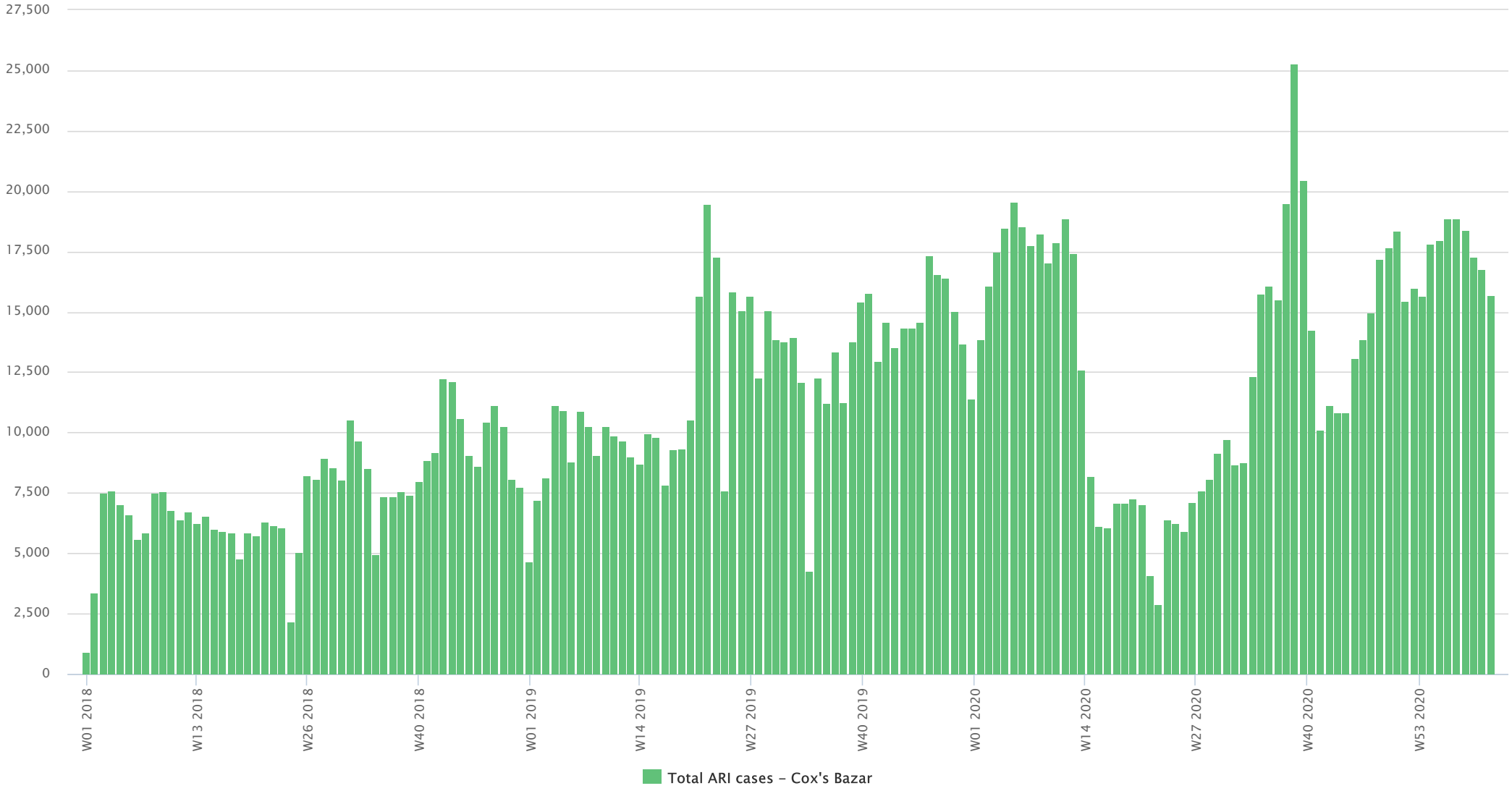
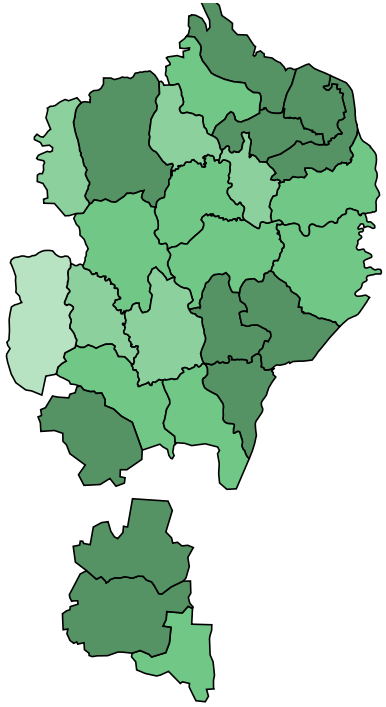


Figure 3 | Trend in number of cases over time (W38 2017 - W8 2021)



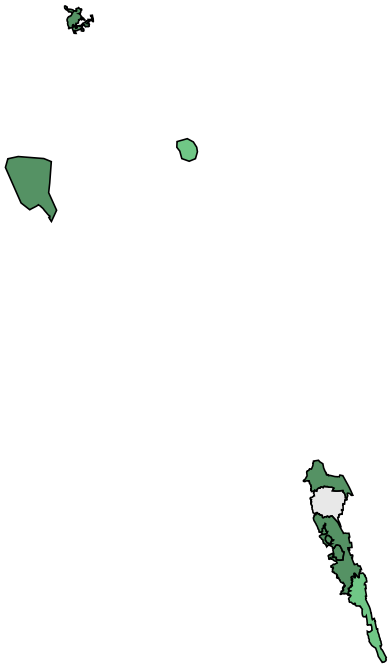
Map 1 | Map of cases by camp (W8 2021)

a. Ukhia | Number of cases

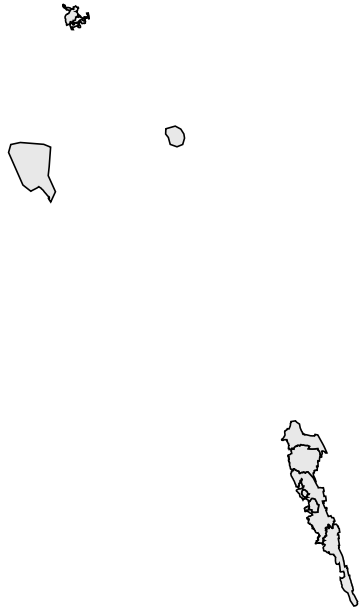


b. Ukhia | Number of alerts

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 (W8 2021)

0	0%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

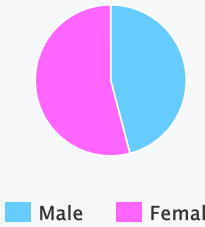


Figure | % age

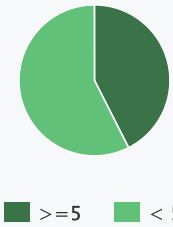


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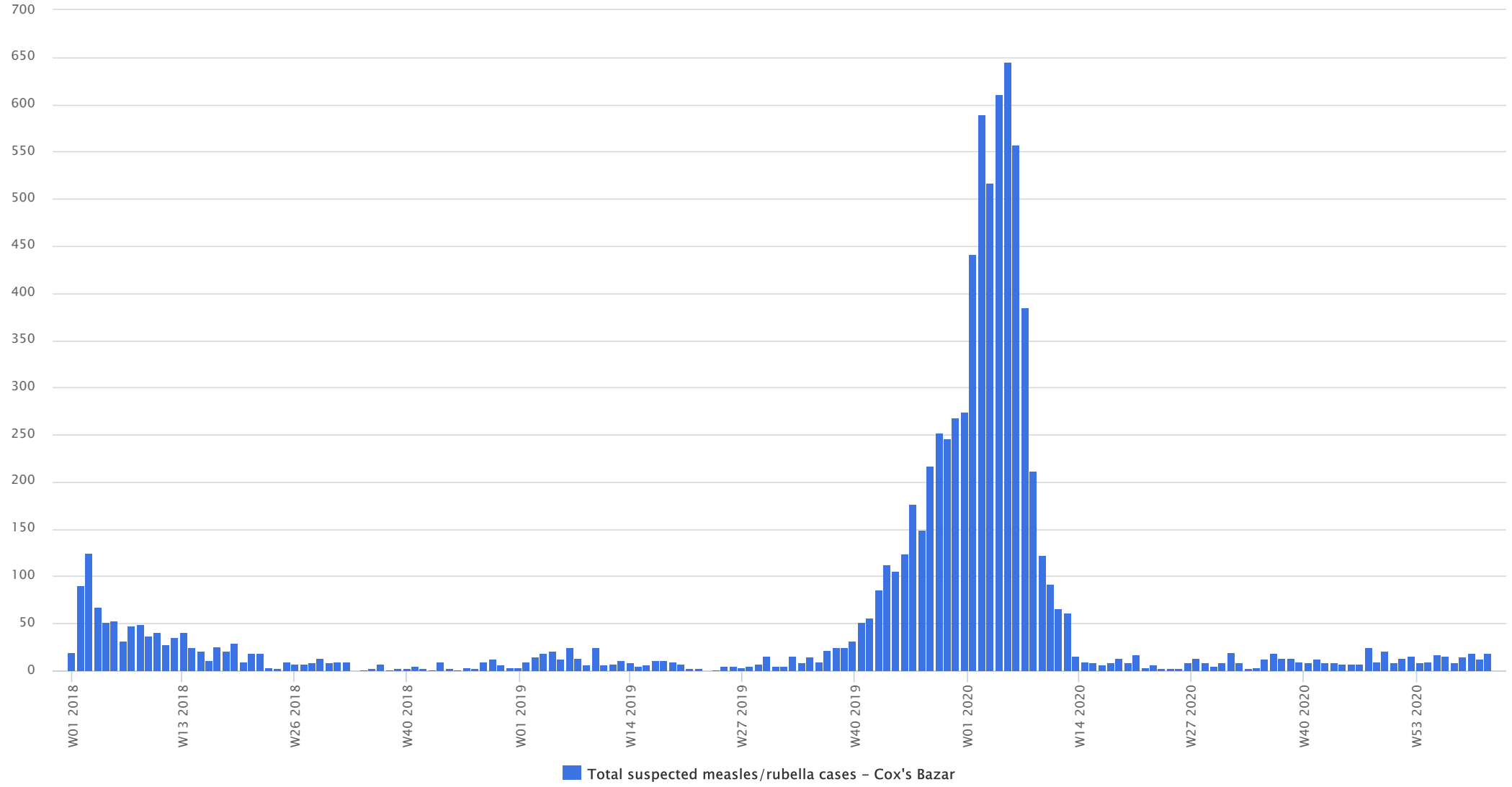
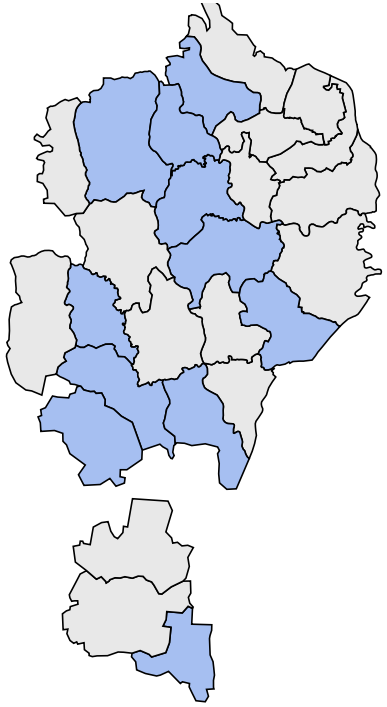
Figure 4 | Trend in number of suspected cases over time (W38 2017 - W8 2021)

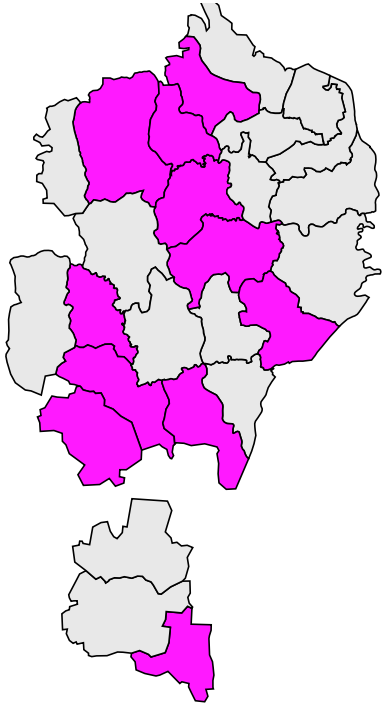


Map 2 | Map of cases by camp (W8 2021)

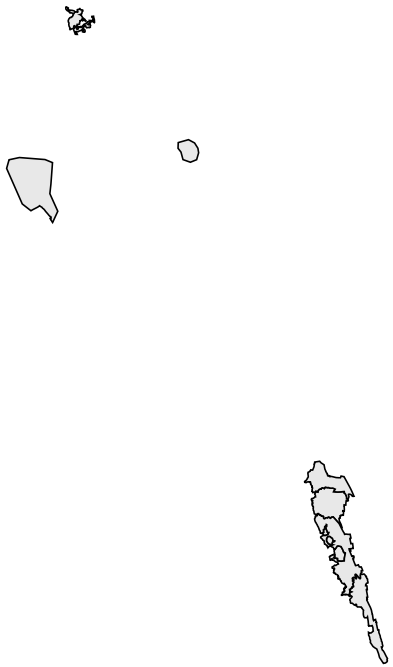
a. Ukhia | Number of cases



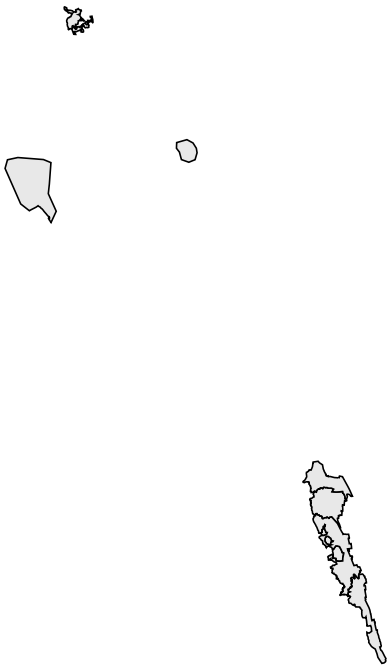
b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend

Number of cases

0 | 1 | 10 | 20 | 50

Number of alerts

0 | 1 | 10

Alert threshold

1 case. *Source: IEDCR*

Alert management (W8 2021)

12	100%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

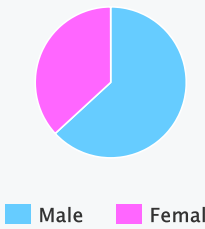


Figure | % age

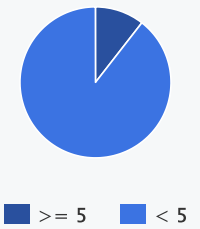


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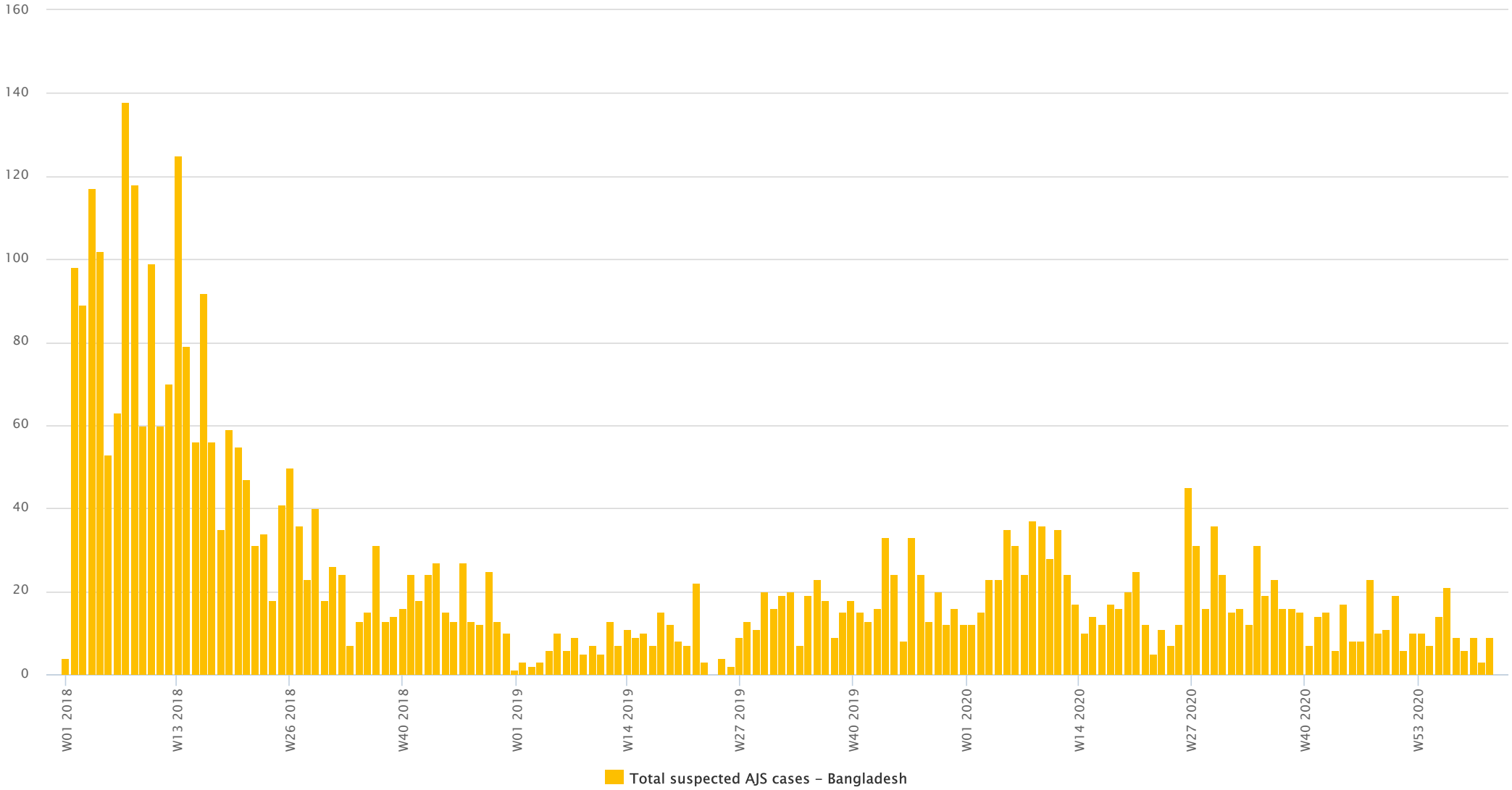
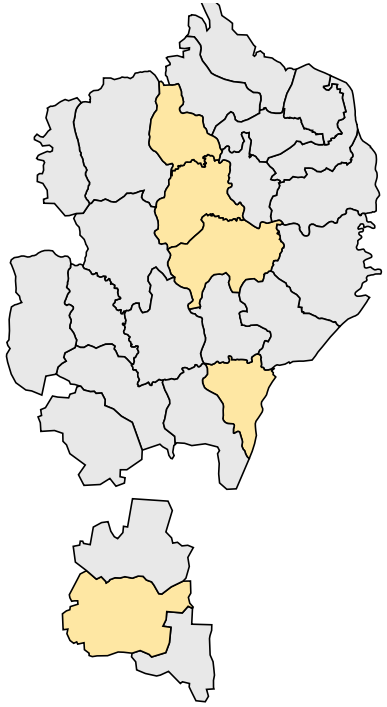
Figure 5 | Trend in number of cases over time (W38 2017 - W8 2021)



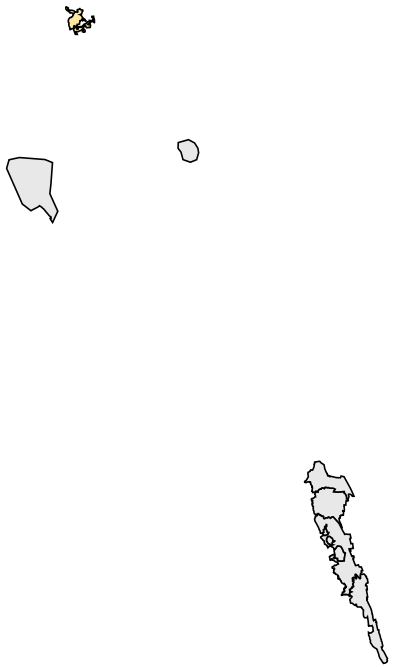
Map 3 | Map of cases by camp (W37 2017 - W8 2021)

a. Ukhia | Number of cases

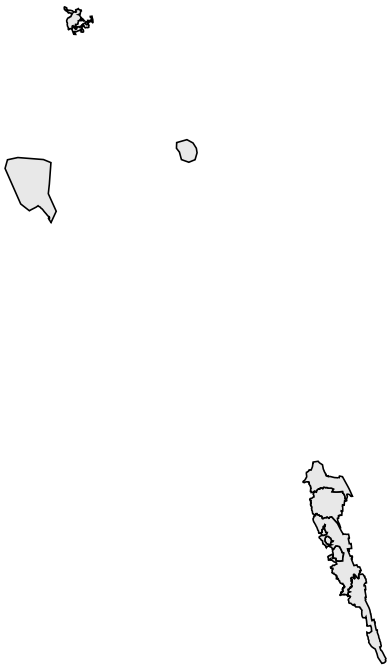


b. Ukhia | Number of alerts

c. Teknaf | Number of cases

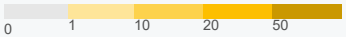


d. Teknaf | Number of alerts



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 (W8 2021)

0	0%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

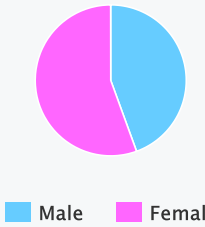


Figure | % age

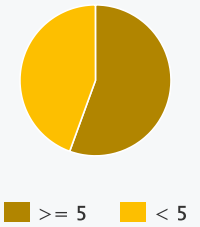


Figure 6 | Trend in number of cases over time (W38 2017 - W8 2021)

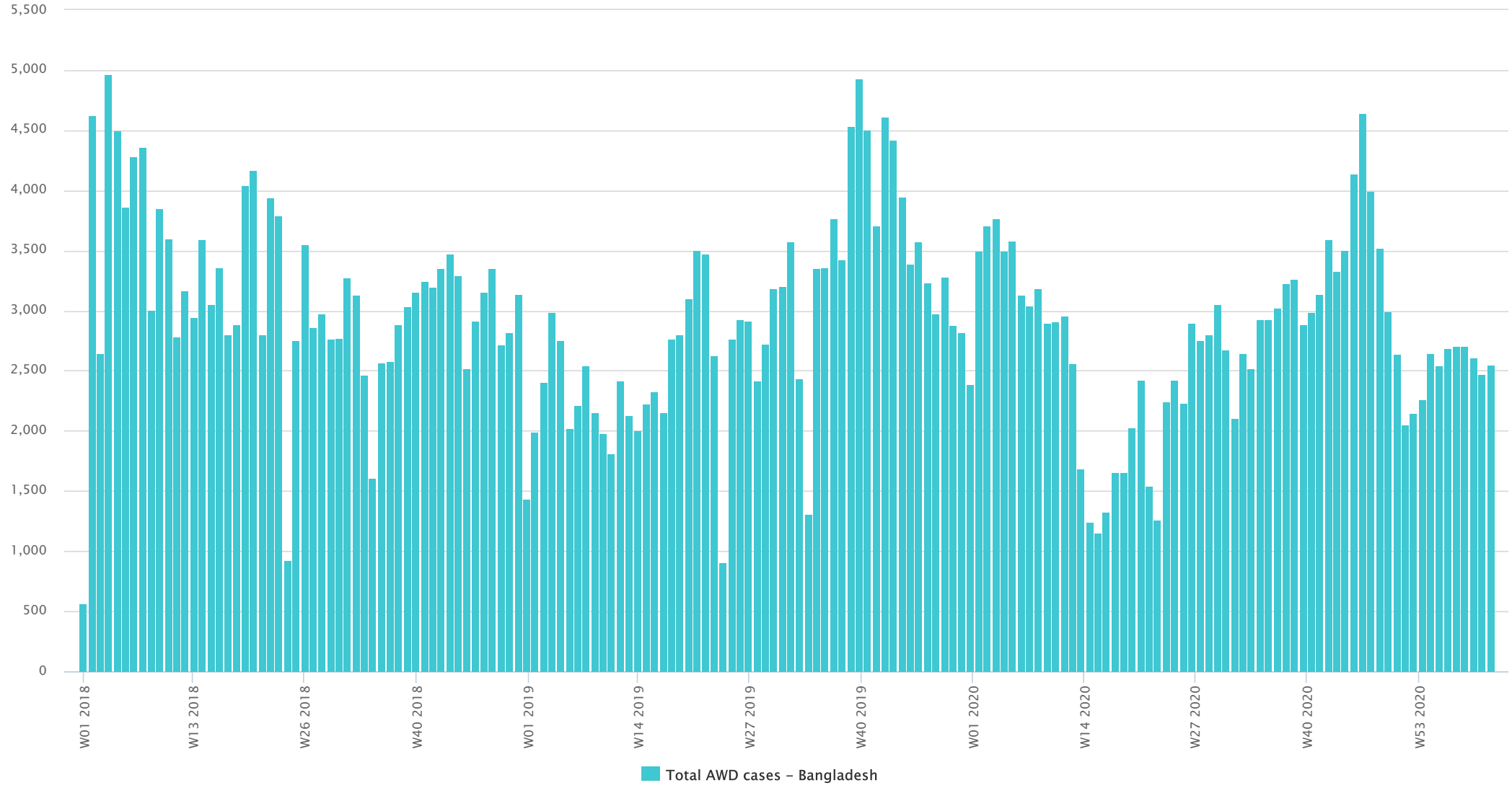
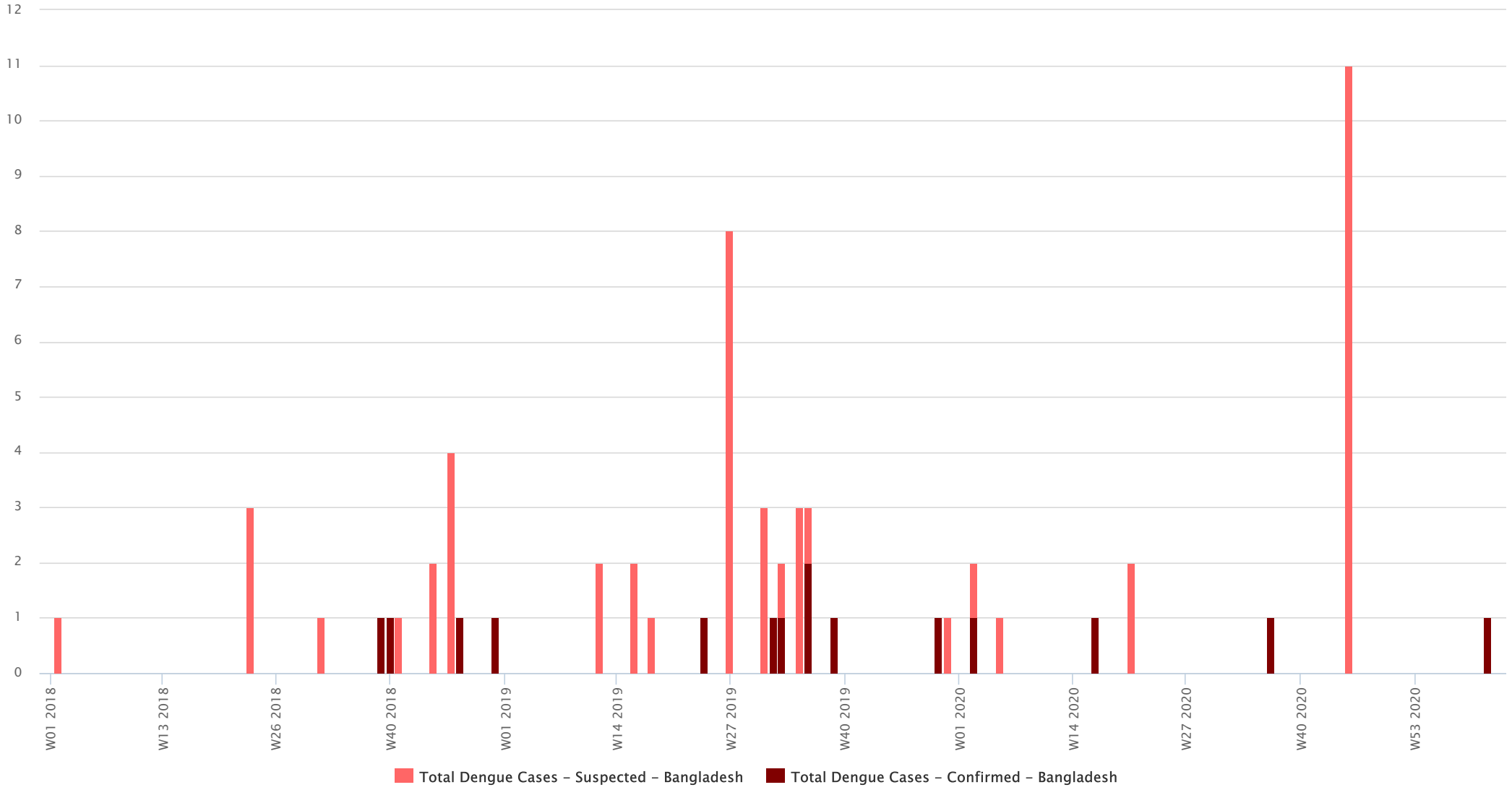


Figure 7 | Trend in number of cases over time (W38 2017 - W8 2021)



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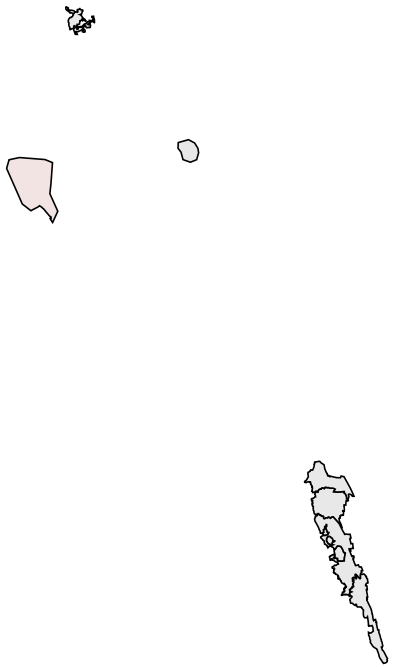
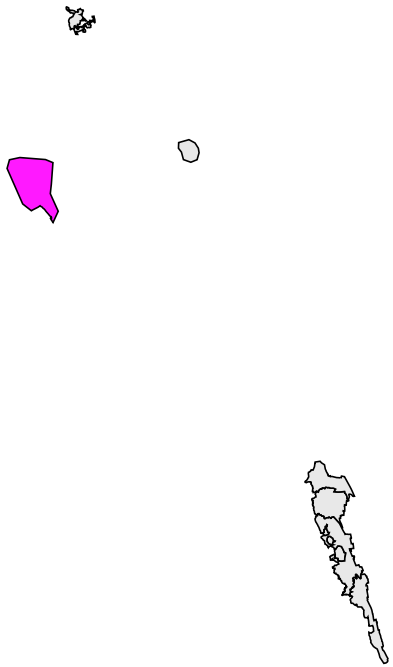
a. Ukhia | Number of cases

b. Ukhia | Number of alerts

c. Teknaf | Number of cases

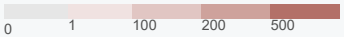


d. Teknaf | Number of alerts



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 (W8 2021)

1	100%	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

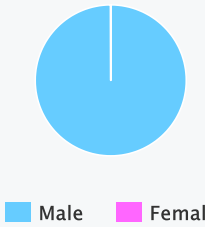


Figure | % age

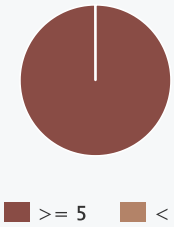


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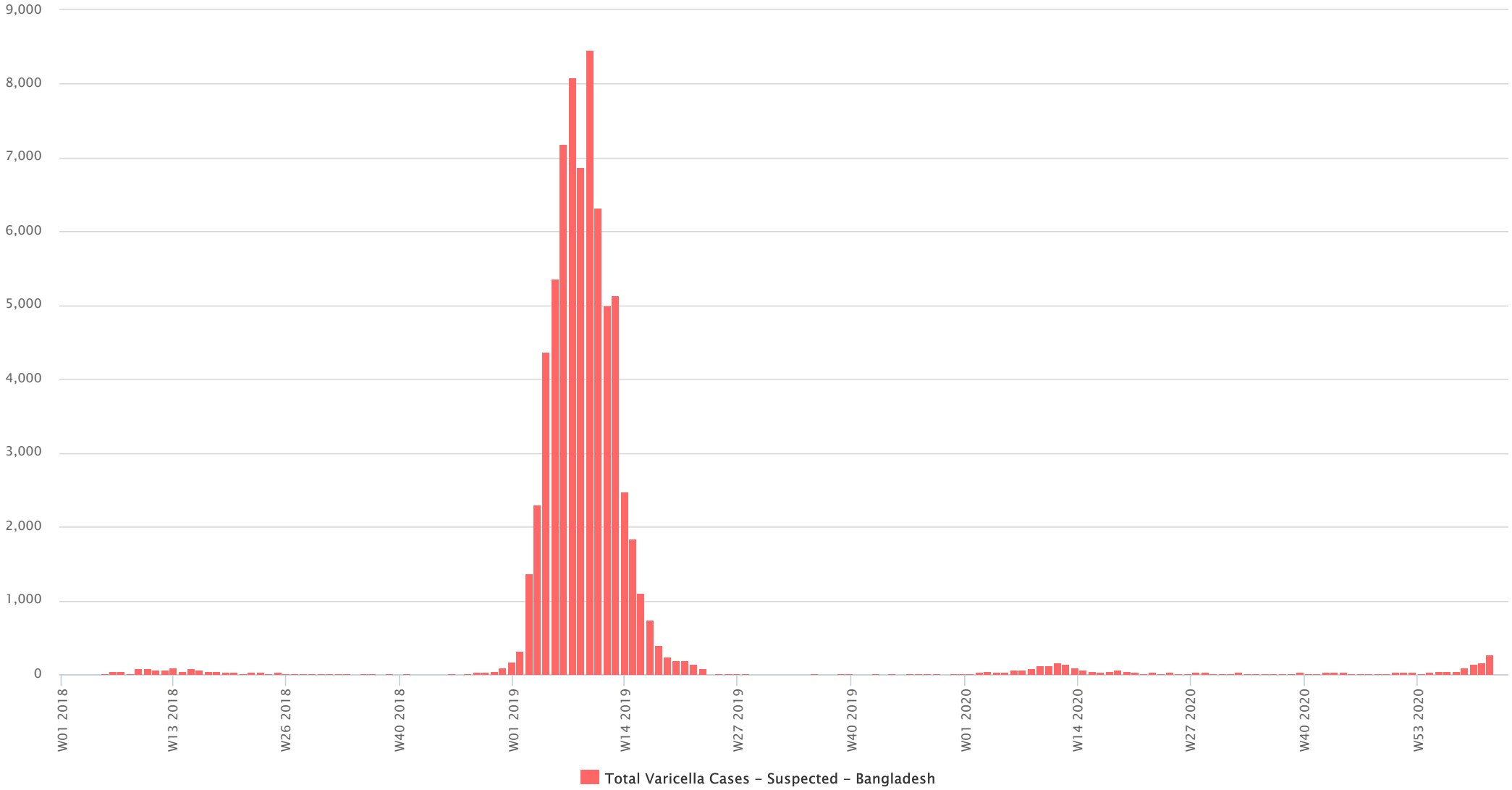
Figure 7 | Trend in number of cases over time (W38 2017 - W8 2021)



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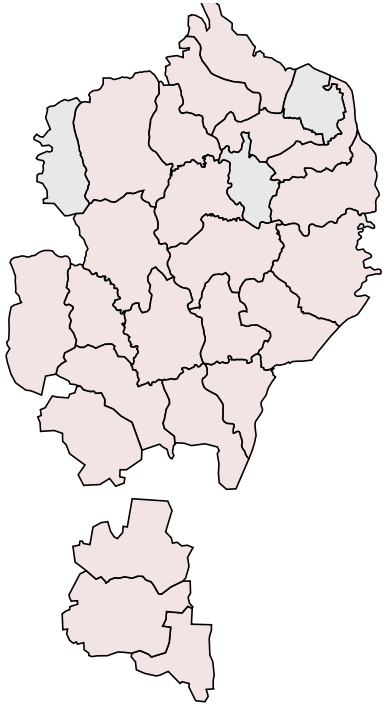
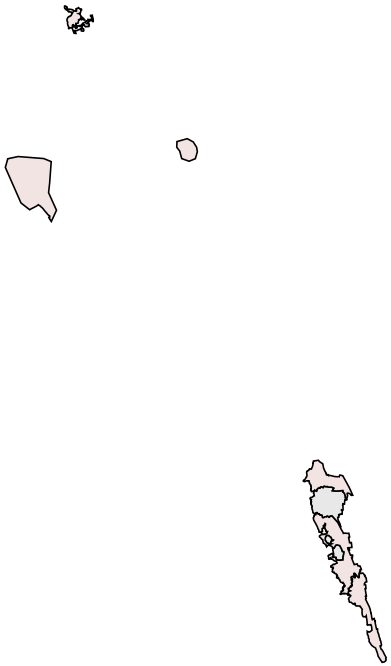


c. Teknaf | Number of cases



Map legend

Number of cases

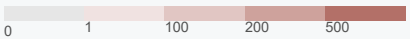


Figure | % sex

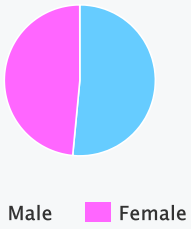
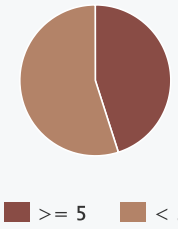


Figure | % age



For more help and support, please contact:

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Cox's Bazar, Bangladesh

Telephone: +88 017 0120 2994

Email: khan@who.int

Notes

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