Global EWARS

Epidemiological Highlights

Week 24 (14-20 June 2021)

World Health Organization

Highlights: COVID-19

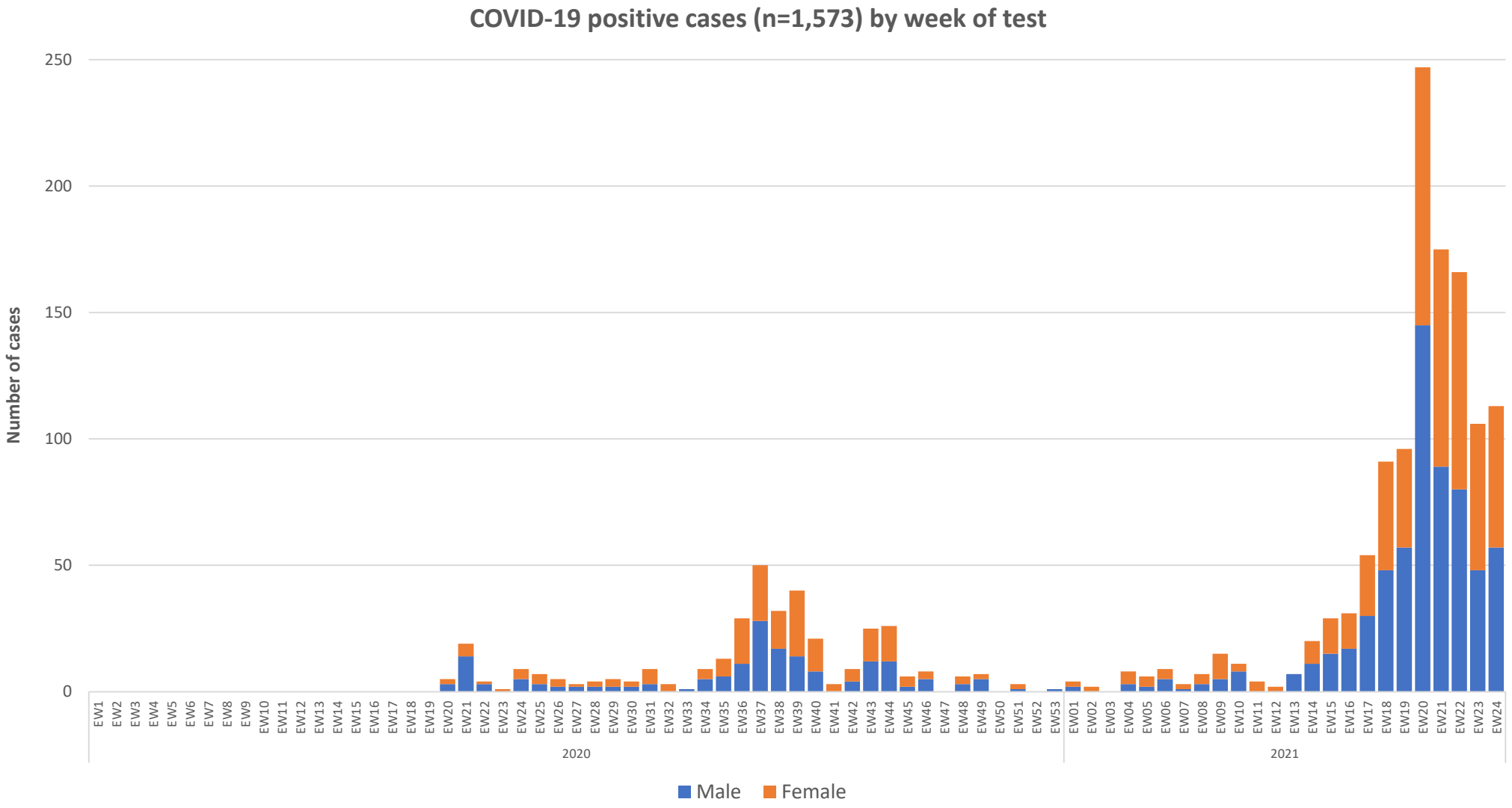
As of week 24, (14-20 June 2021) there are 1 573 confirmed cases of COVID-19 (SARS-CoV-2), 47 097 samples were tested, total positivity rate 3.3%.

This week (week 24), 113 new confirmed cases detected, 1 219 samples were tested, test positivity was 9.3%.

As of this week (week 24)

- Median age of tested and confirmed cases is 11 (0-120) and 22 (0-100) years
- Female among tested and confirmed cases is 54% and 49%
- All 34/34 camps have confirmed cases (C2W-117, C3-107, C24-106, C15-105, C4-101)
- A total of 20 deaths from COVID-19 with the case fatality rate 1.2%
- Cases per million in last 7 days 131.4, change in last 7 days 7%

Highlights: COVID-19



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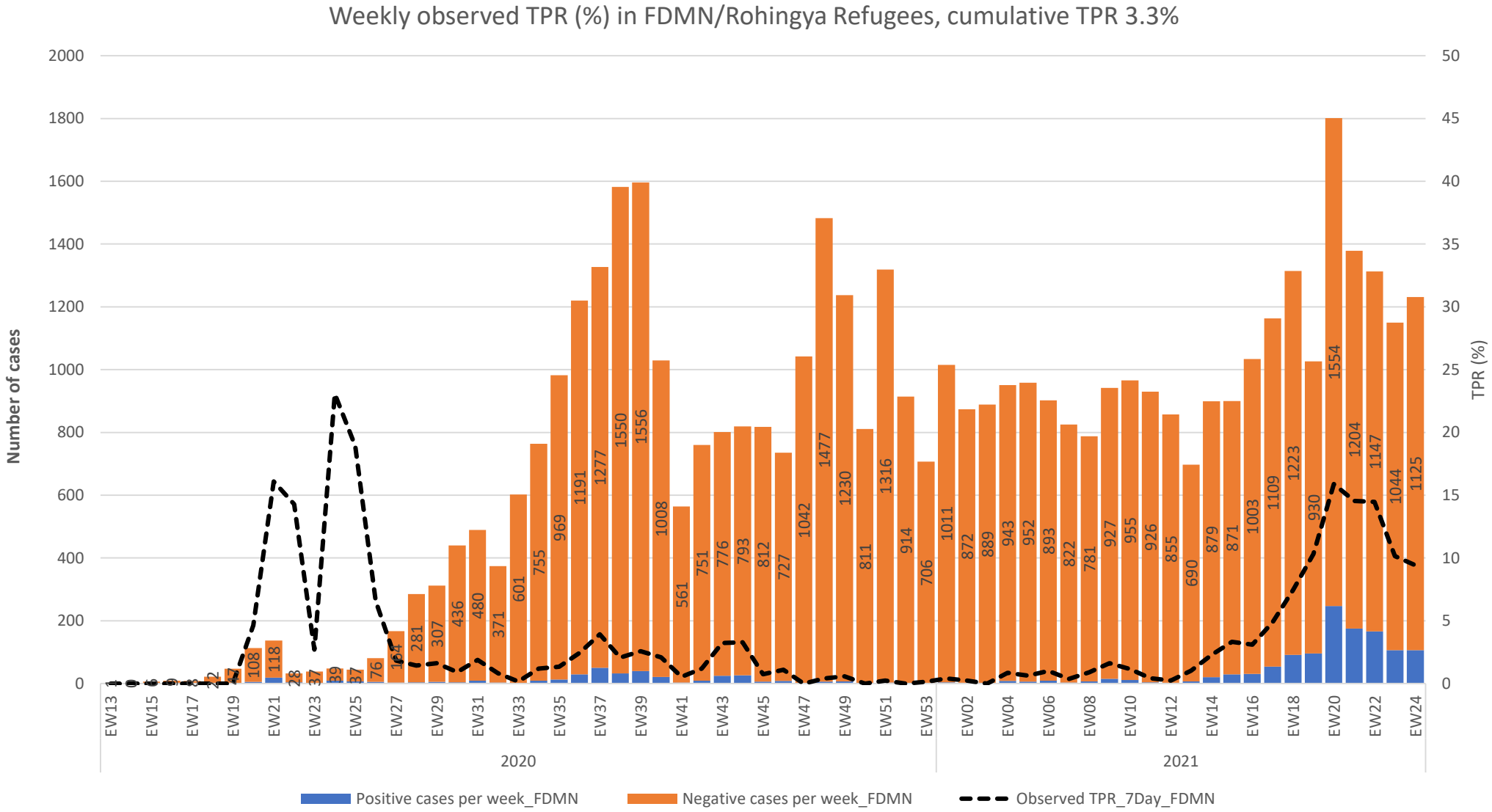
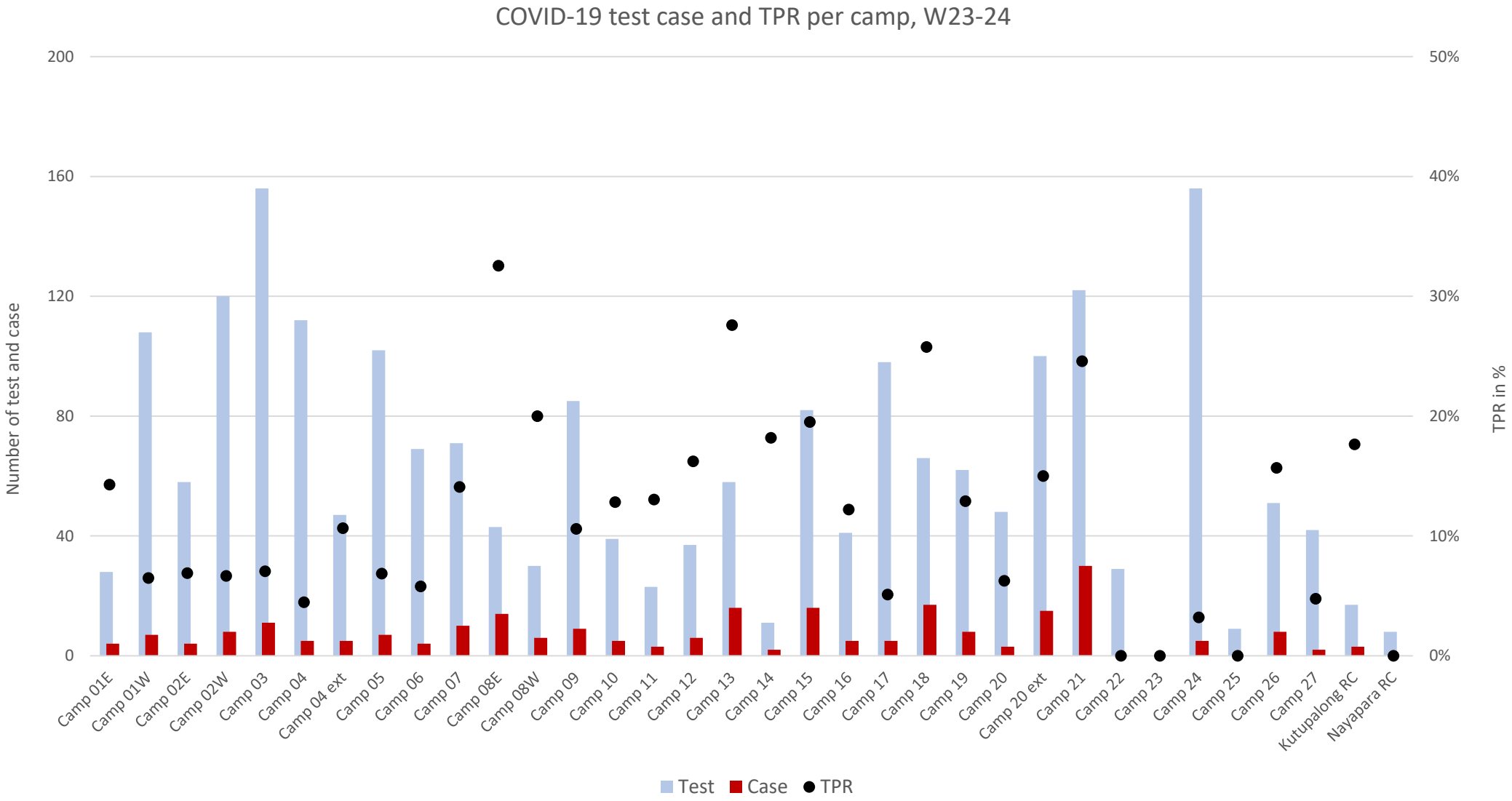
Highlights: COVID-19



Global EWARS

World Health Organization

Highlights: COVID-19



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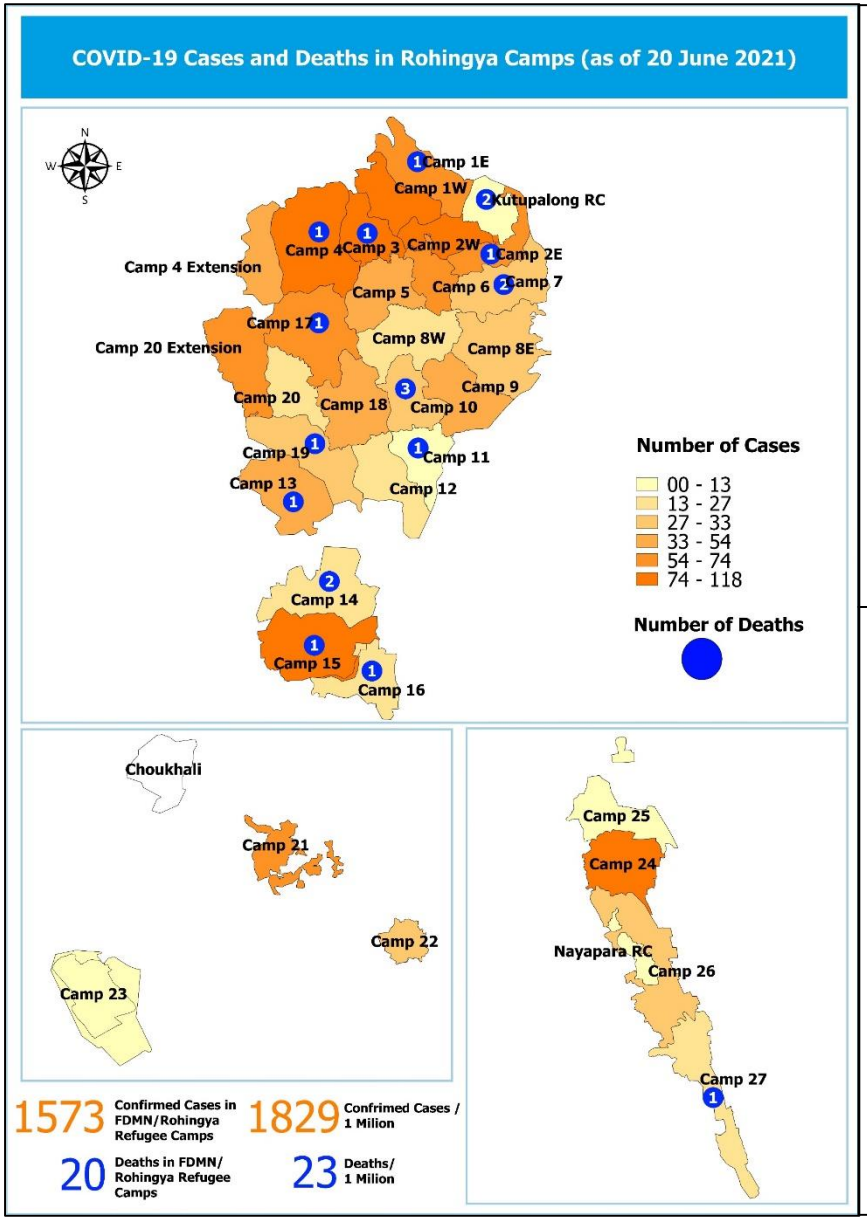
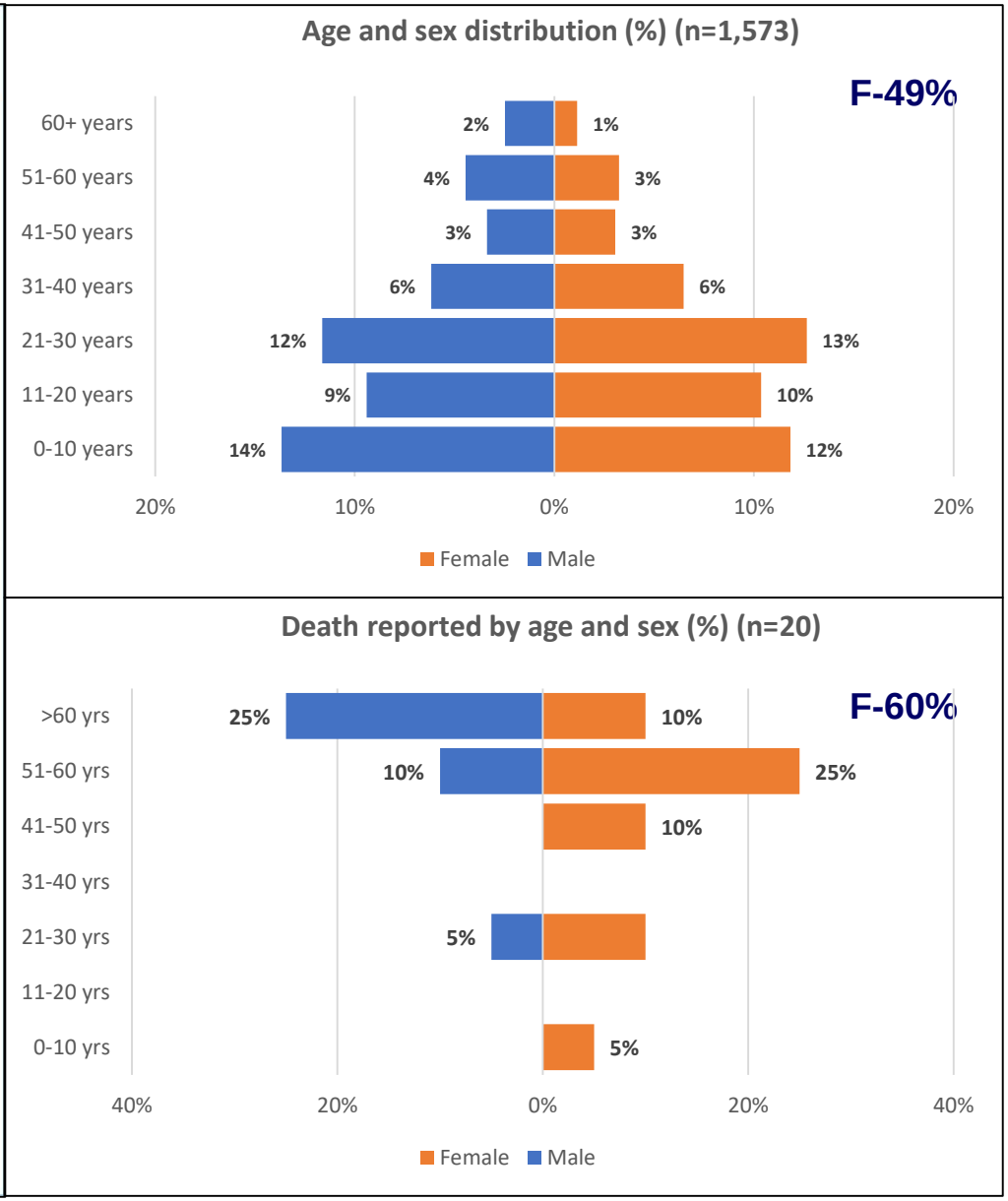
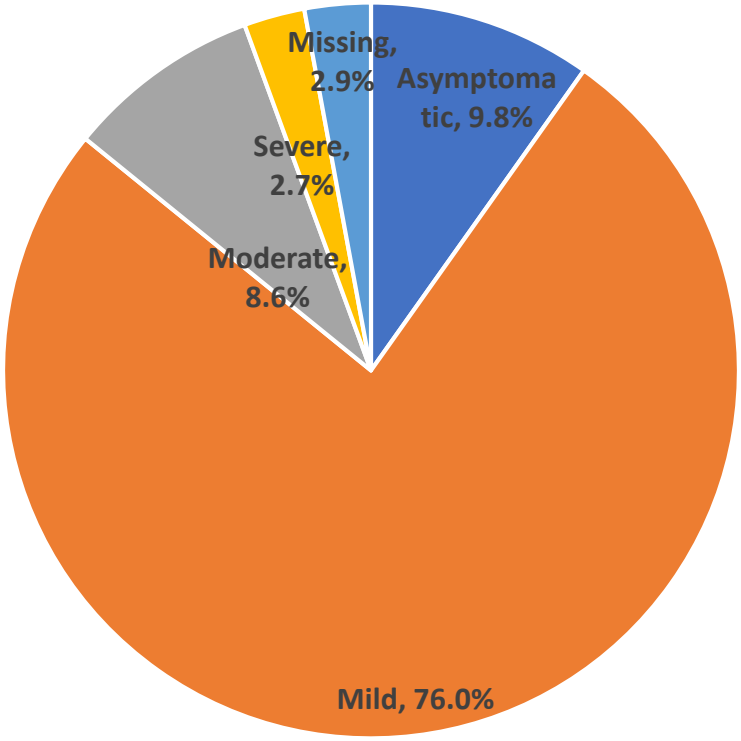
Highlights: COVID-19



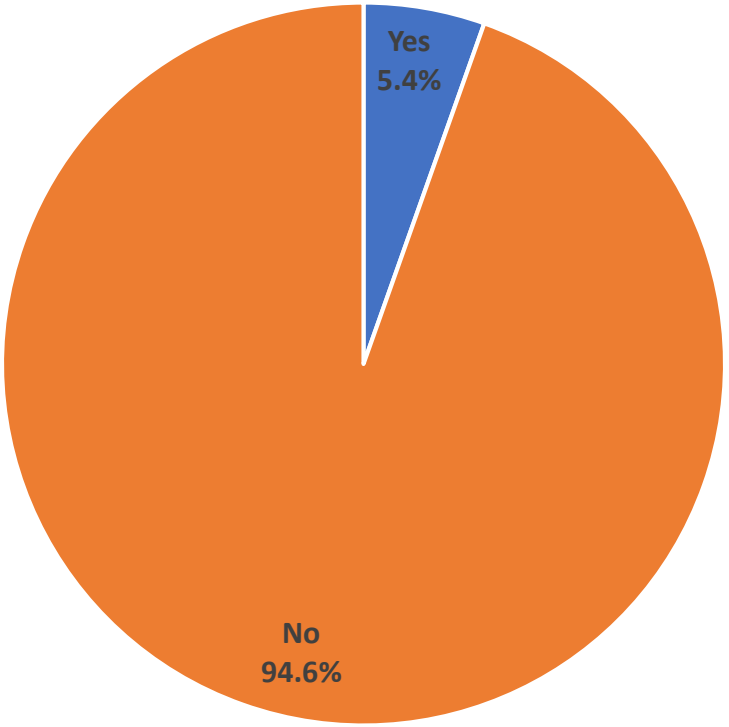


Highlights: COVID-19

Severity of reported cases at presentation (n=1,272)



Did the case report at least 1 co-morbidity (n=1,272)



Source: Go.Data

Highlights: COVID-19 Contact Tracing

- Total 1,272 (out of 1,573) confirmed cases have been investigated by Rapid Investigation and Response Team *(RIRT, a camp wise CT network, composed of RIRT coordinator, Site Mx representation, CT supervisor, currently camp 34 teams are working with 34 supervisors and over 300 volunteers i.e., contact tracer).*
- Contact tracing has been done by CT supervisors with 2,933 contacts registered for follow up in the Go.Data.
- 2,035 (69.3%) contacts successfully completed the follow up.
- One hundred thirty-four (6.5%) contacts became tested positive for COVID-19 during the incubation period.

EWARS Reporting Updates

- Total 172 health facilities registered in EWARS
- Only 134/172 weekly reports received on time in week 24
- Sixty-five (65) alerts were triggered in week 24
- Timeliness of reporting for this week is 78%
- All alerts were reviewed and verified by WHO EWARS team, the number is less than that of previous week (77 in week 23).

Highlights:

- Acute Respiratory Infection (16.8%), Diarrheal Diseases (6.2%) & Unexplained Fever (1.2%) are the diseases with highest proportional morbidity in week 24.

- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
  - Eighty-nine (89) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COIVD-19.
  - Total eleven (11) SARI deaths were considered as death due to probable COVID-19 till date.

Diphtheria

Two (2) suspected diphtheria case was reported in go.data in week 24

A total of 9 278 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 803
- Suspected = 6 132

Total case reported in 2021 = 92

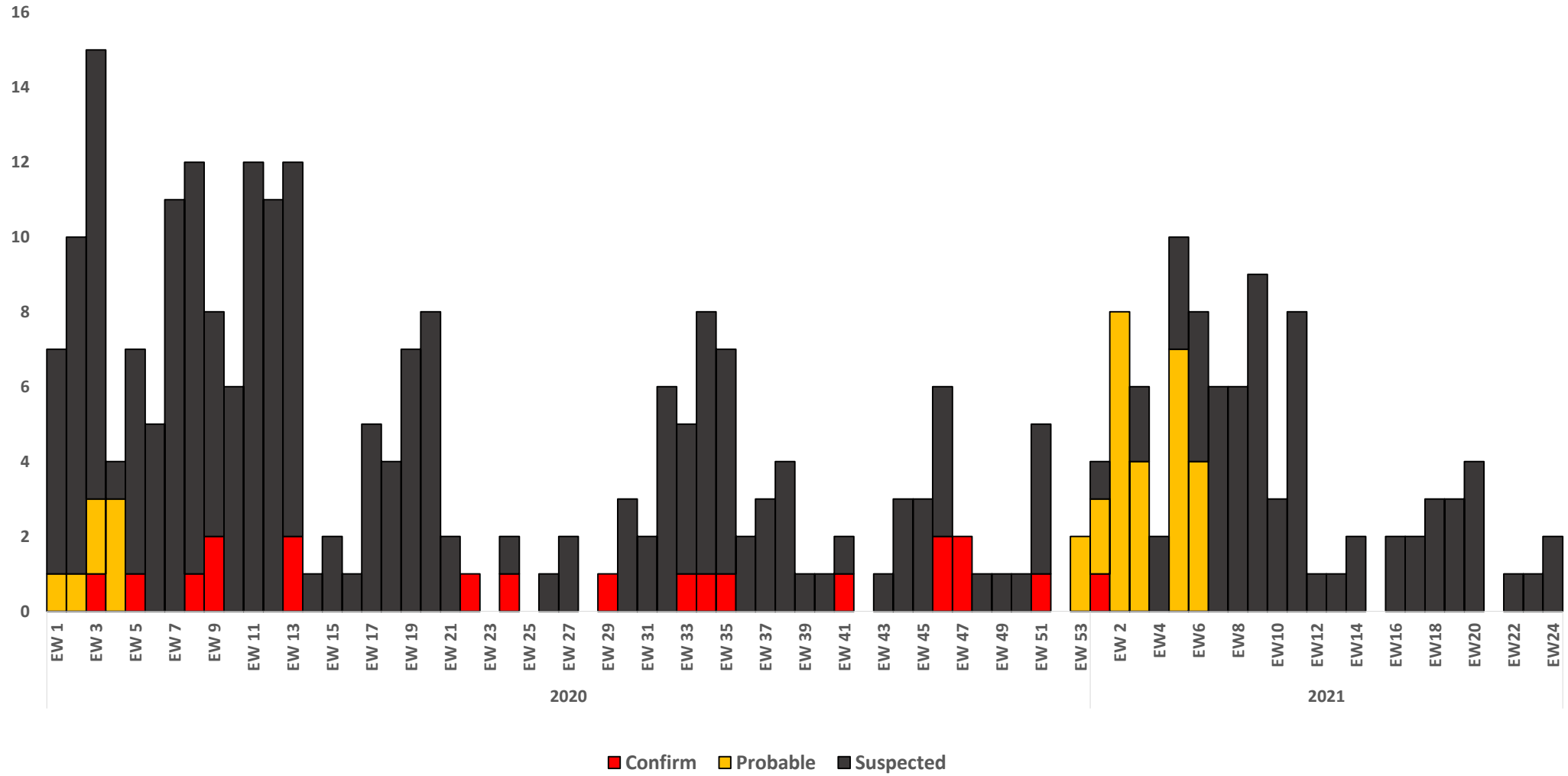
- Confirmed = 1
- Probable = 25
- Suspected = 66

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

Total number of diphtheria case reported in EWARS from 2020-2021 W24



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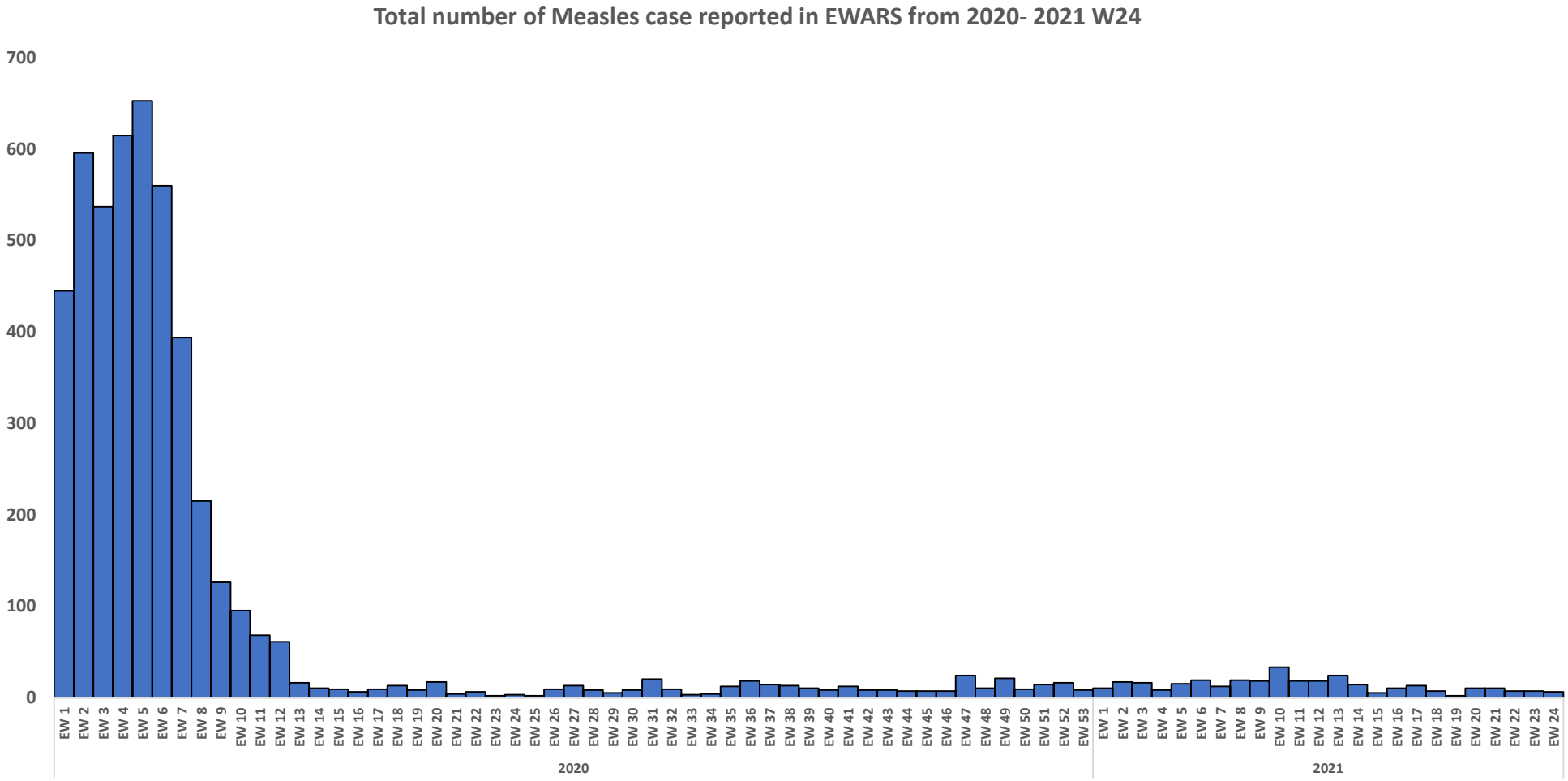
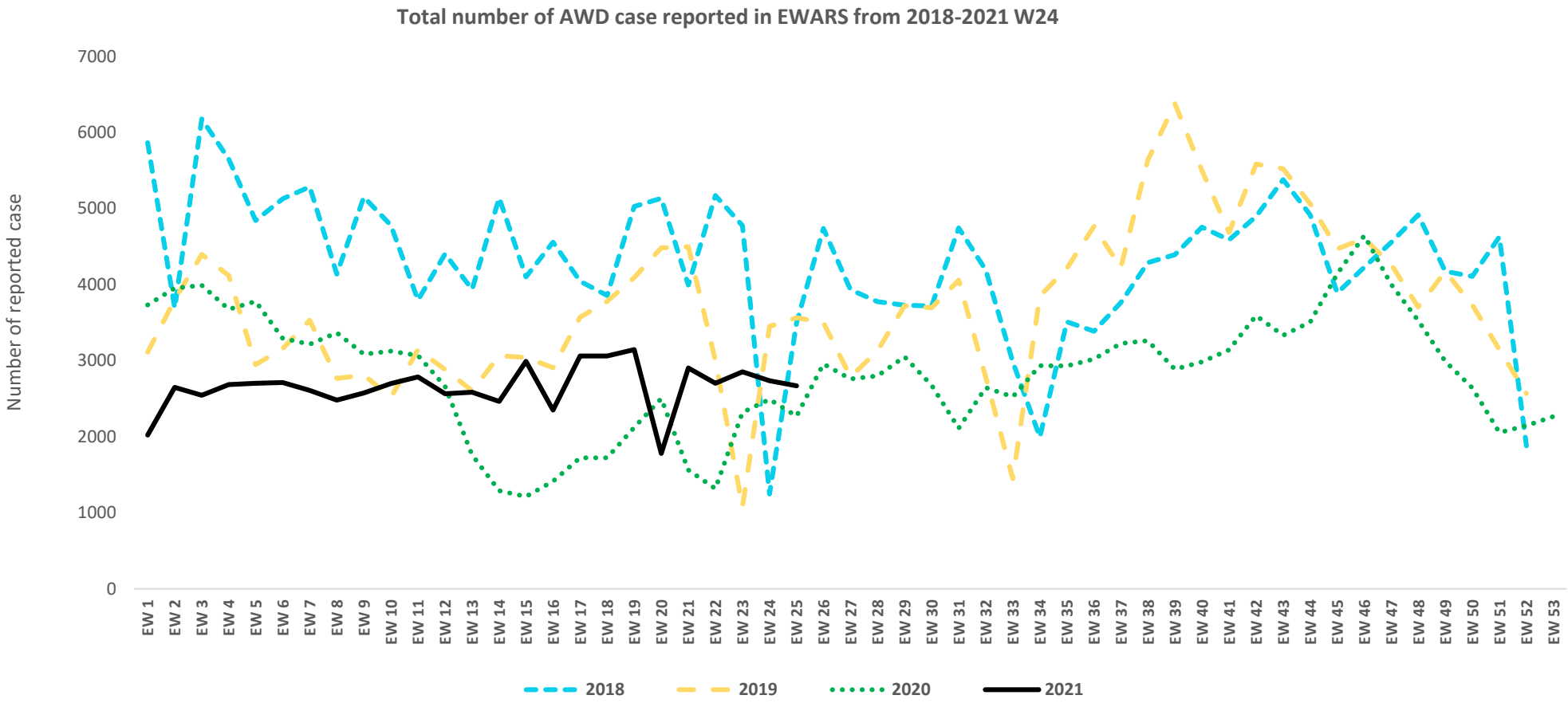
Measles



In week 24, 6 suspected measles cases were reported through weekly reporting make 318 cases in total in 2021. Out of those 236 cases (74%) reported through case-based reporting and samples collected for laboratory confirmation.

Diarrhoeal Disease

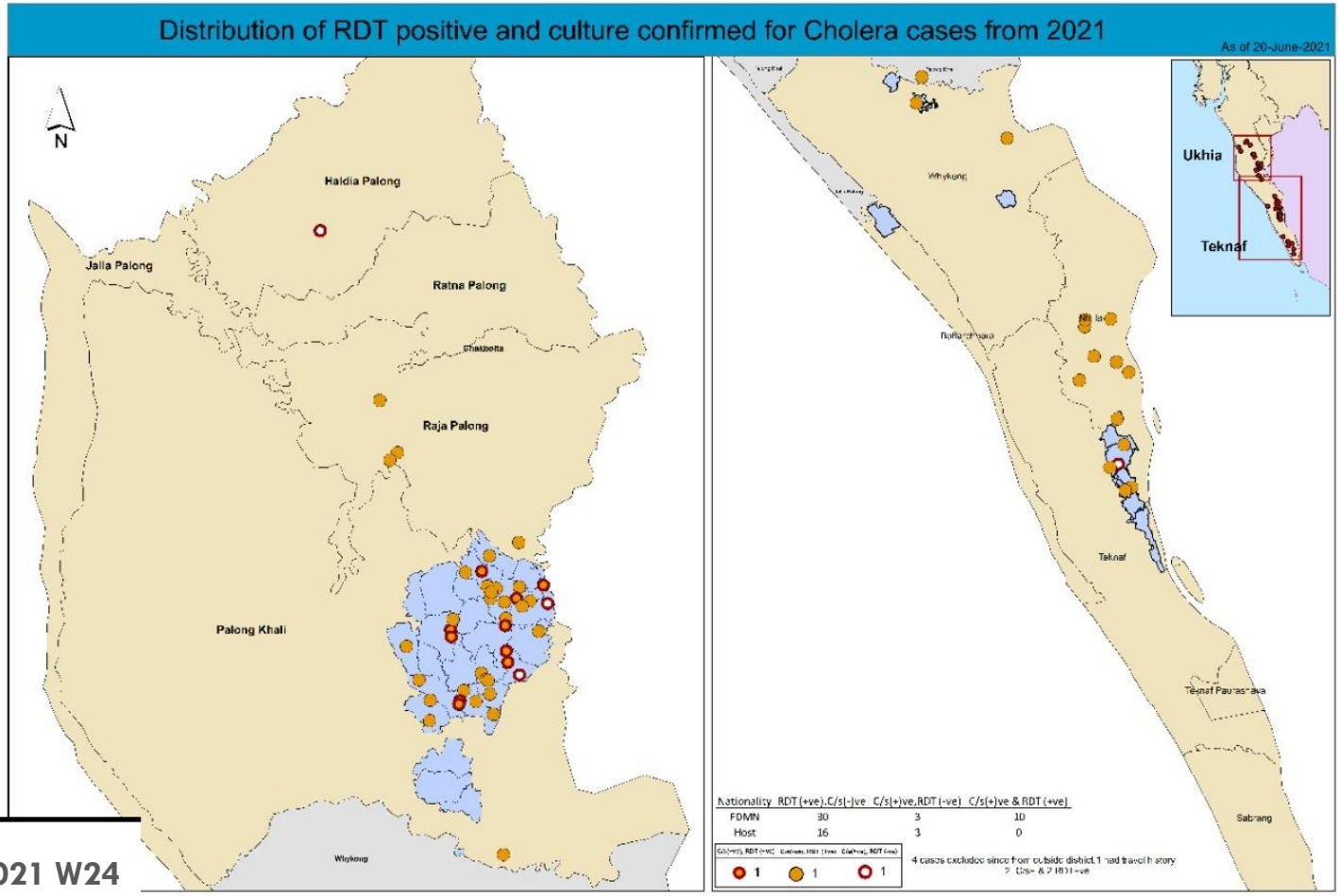


- A total of 3,770 cases of diarrhoeal diseases reported in EWARS in week 24.
- Among which 2,497 cases (4.1%) reported as acute watery diarrhoea (AWD), remaining 991 (1.6%) and 282 (0.5%) cases as other and bloody diarrhea, respectively.

Cholera Surveillance

- Total sixty-two (62) Cholera RDT positive/culture cases reported as of W24 2021. Out of those 19 were confirmed and 41 by culture and remaining 2 results yet to be received.

- 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 W24
RDT positive for Cholera	49	258	28	43
Culture Confirmed for Cholera	**7**	**184**	**5***	**19**

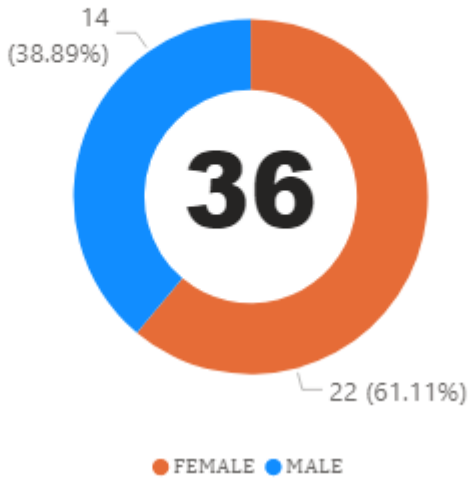
*3 culture confirmed cases were RDT negative in 2020

Community-based Mortality surveillance

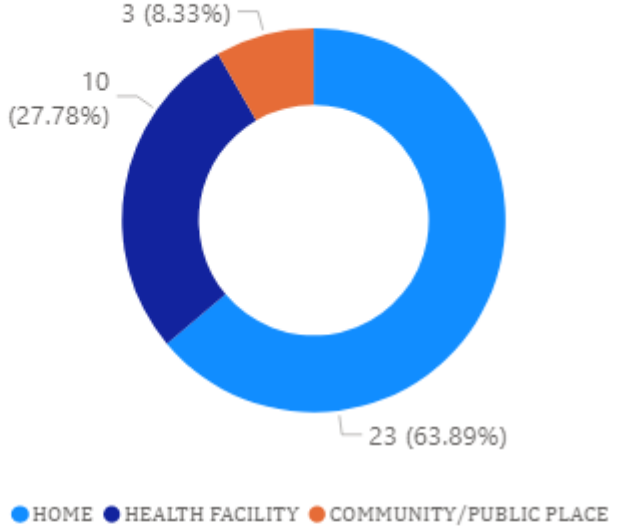
- In week 24, 36 deaths were recorded -
  - 64% (n=23) were due to causes classified as “Others”
  - 16% (n=6) as still birth (Born Dead)
  - 8% (n=3) as neonatal (<28 days old)
  - 6% (n=2) as infectious disease
  - 3% (n=1) as injury
  - 3% (n=1) as severe acute respiratory infection (SARI)
- Out of reported deaths, 27.8% occurred in health facilities and 63.8% at homes and 8.3% from community/public place
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

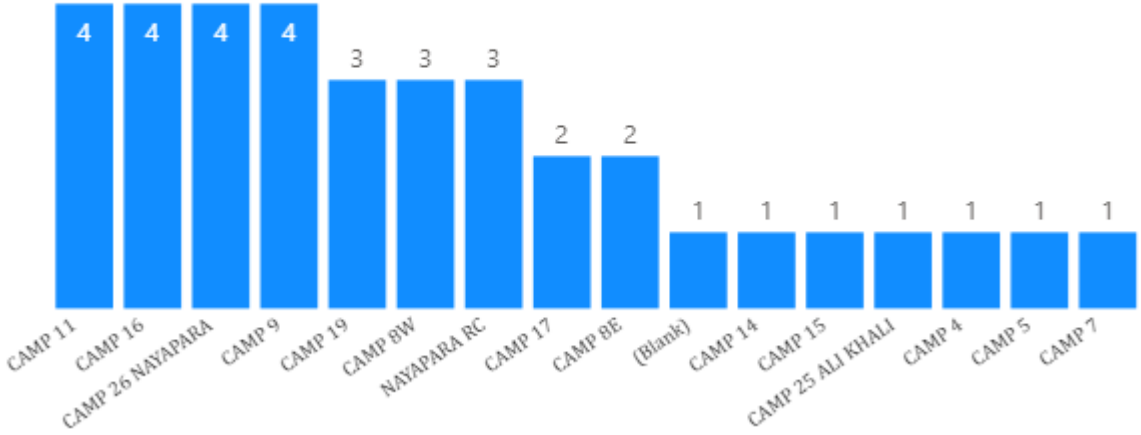
Gender distribution



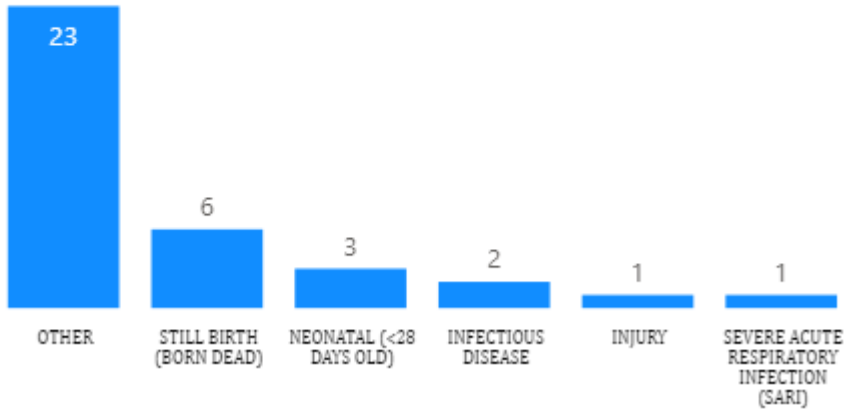
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W24 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 W24 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population[1]
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
172	98%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W24	Cumulative (2021)	
134	3862	Number of weekly reports received
78%	89%	Completeness
78%	84%	Timeliness

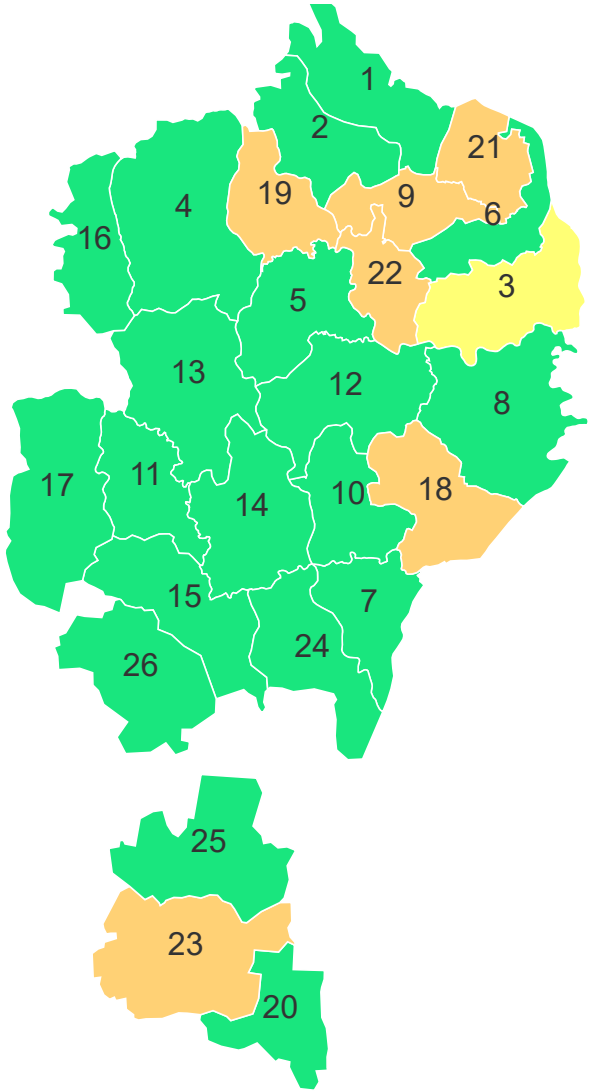
Table 3 Alert performance indicators

W24	Cumulative (2021)	
65	1,619	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	1%	% 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

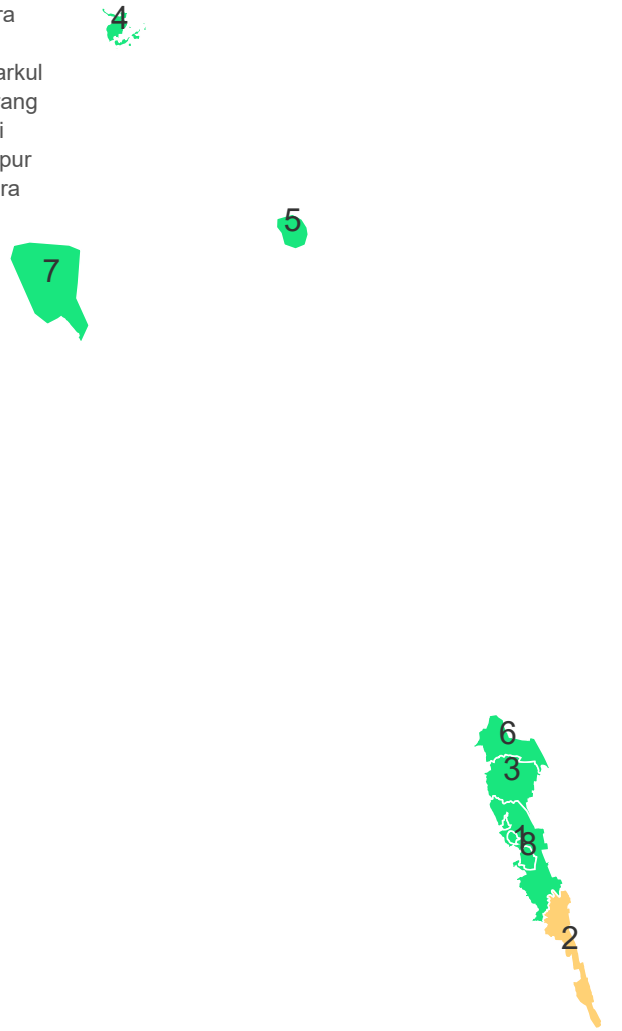
1 Camp 1E
2 Camp 1W
3 Camp 7
4 Camp 4
5 Camp 5
6 Camp 2E
7 Camp 11
8 Camp 8E
9 Camp 2W
10 Camp 10
11 Camp 20
12 Camp 8W
13 Camp 17
14 Camp 18
15 Camp 19
16 Camp 4 Ext
17 Camp 20 Ext
18 Camp 9
19 Camp 3
20 Camp 16
21 Kutupalong RC
22 Camp 6
23 Camp 15
24 Camp 12
25 Camp 14
26 Camp 13



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 22 Unchiprang
6 Camp 25 Ali Khali
7 Camp 23 Shamlapur
8 Camp 26 Nayapara



Completeness
0 25% 50% 75% 100%

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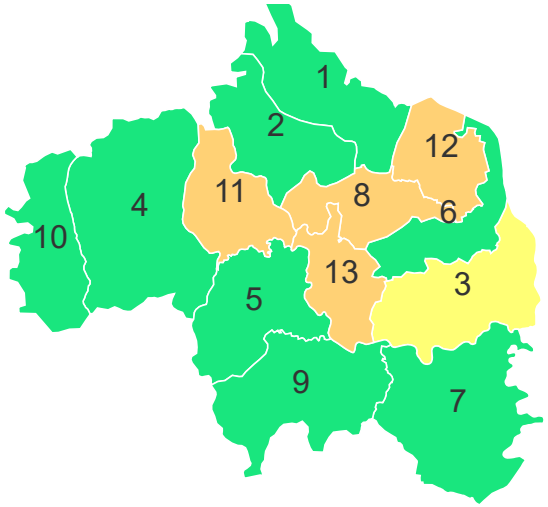
HEALTH SECTOR COX'S BAZAR

Table 4 | Performance by camp (W24 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	3	75%	75%
Camp 1W	4	3	75%	75%
Camp 2E	3	3	100%	100%
Camp 2W	4	2	50%	50%
Camp 3	6	4	67%	67%
Camp 4	6	7	117%	117%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	3	2	67%	67%
Camp 7	5	2	40%	40%
Camp 8E	8	6	75%	75%
Camp 8W	5	4	80%	80%
Kutupalong RC	2	1	50%	50%

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 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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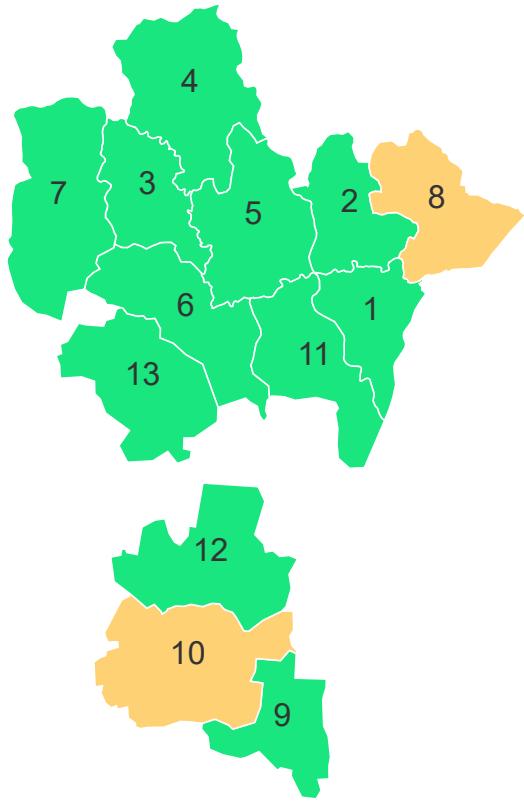
Table 5 | Performance by camp (W24 2021)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	100%	100%
Camp 11	9	7	78%	78%
Camp 12	6	5	83%	83%
Camp 13	9	8	89%	89%
Camp 14	7	6	86%	86%
Camp 15	9	6	67%	67%
Camp 16	5	4	80%	80%
Camp 17	5	5	100%	100%
Camp 18	5	5	100%	100%
Camp 19	6	5	83%	83%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	2	100%	100%
Camp 9	6	4	67%	67%

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 15
11 Camp 12
12 Camp 14
13 Camp 13



Completeness
0 25% 50% 75% 100%

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HEALTH SECTOR COX'S BAZAR

Table 6 | Performance by camp (W24 2021)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
		Ukhia Teknaf		
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	4	3	75%	75%
Camp 23 Shamlapur	3	3	100%	100%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	3	100%	100%
Camp 26 Nayapara	4	3	75%	75%
Camp 27 Jadimura	2	1	50%	50%
Nayapara RC	2	2	100%	100%

Map 4 | Completeness by camp

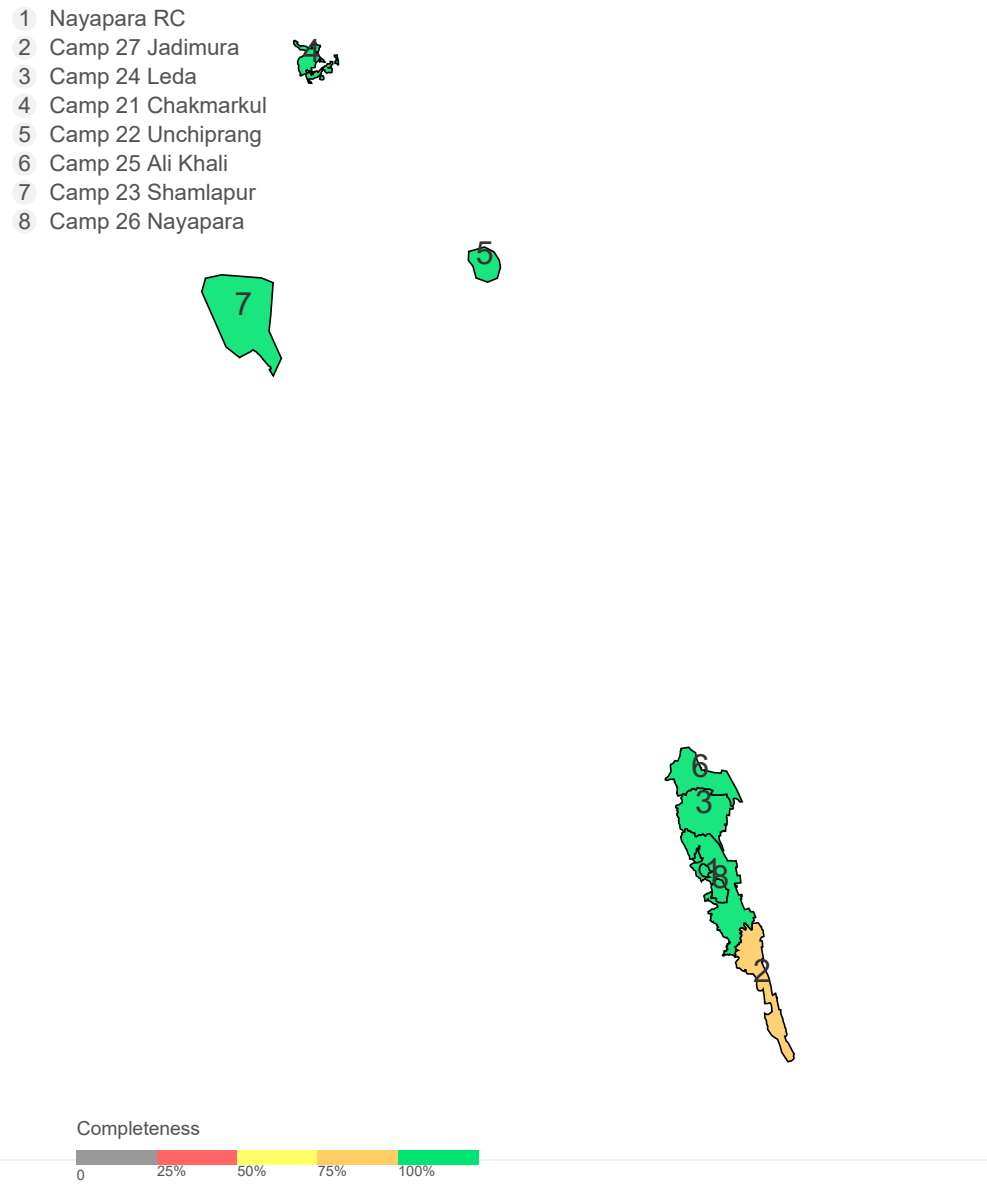


Table 7 | Performance by partner (W24 2021)

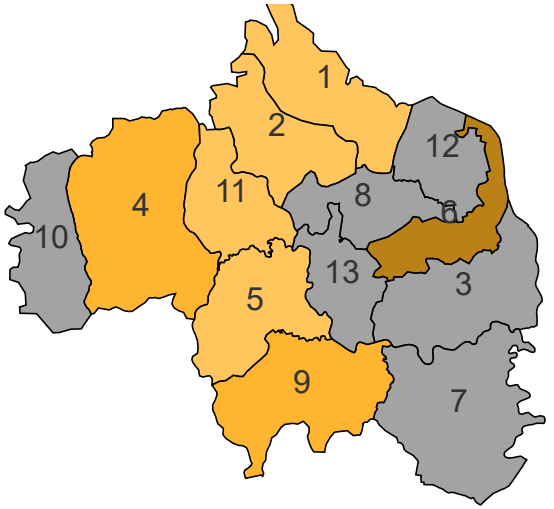
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AWARD	6	6	100%	100%	IRC	2	2	100%	100%
BASHMAH	1	0	0%	0%	MSF	9	5	56%	56%
BDRCS	12	8	67%	67%	MoH	21	12	57%	57%
BRAC	11	11	100%	100%	Hope	1	2	200%	200%
CARE	4	4	100%	100%	Medair	2	2	100%	100%
DAM	2	2	100%	100%	FH/MTI	3	3	100%	100%
DBC	1	1	100%	100%	PRANTIC	1	1	100%	100%
DSK	1	1	100%	100%	PULSE	1	0	0%	0%
DCHT	12	8	67%	67%	QC	1	1	100%	100%
FRNDS	10	0	0%	0%	PHD	10	10	100%	100%
GK	10	10	100%	100%	PWJ	0	0		
Global One	1	1	100%	100%	RPN	2	2	100%	100%
GUSS	1	1	100%	100%	RHU	3	3	100%	100%
HAEFA	2	0	0%	0%	RI	3	3	100%	100%
HAIB	8	8	100%	100%	RTMI	9	8	89%	89%
HMBDF	2	1	50%	50%	SALT	1	1	100%	100%
HOPE	12	8	67%	67%	SCI	7	7	100%	100%
HTN	0	0			SHED	0	0		
ICRC	2	1	50%	50%	Turkish Government	1	0	0%	0%
IOM	15	13	87%	87%	TdH	1	1	100%	100%

Table 8 | Performance by camp

Northern group	W24		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	1	100%	32	100%
Camp 1W	1	100%	49	100%
Camp 2E	12	100%	142	100%
Camp 2W	0	0%	38	100%
Camp 3	1	100%	77	100%
Camp 4	5	100%	76	100%
Camp 4 Ext	0	0%	12	100%
Camp 5	2	100%	77	100%
Camp 6	0	0%	40	100%
Camp 7	0	0%	16	100%
Camp 8E	0	0%	21	100%
Camp 8W	4	100%	86	100%
Kutupalong RC	0	0%	18	100%

Map 5 | Number of alerts by camp

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



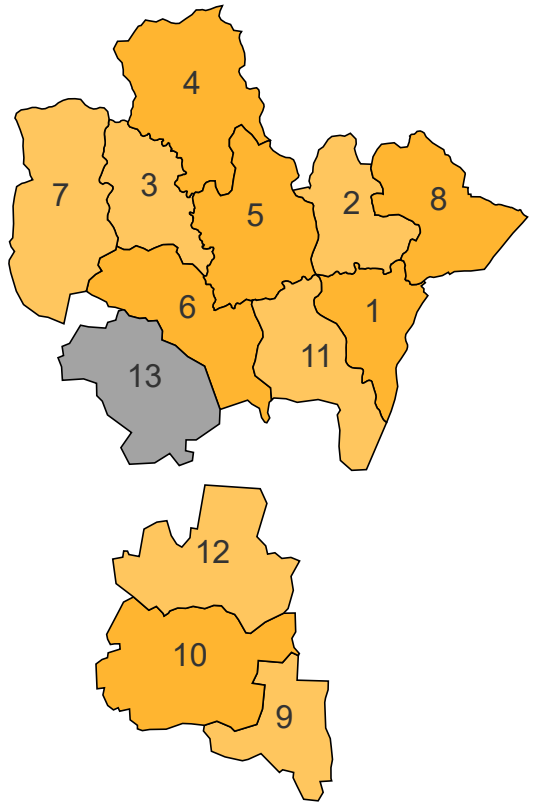
# of alerts
0 2 5 10

Table 9 | Performance by camp

Southern group	W24		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	1	100%	53	100%
Camp 11	3	100%	60	100%
Camp 12	2	100%	53	100%
Camp 13	0	0%	65	100%
Camp 14	2	100%	45	100%
Camp 15	4	100%	63	100%
Camp 16	2	100%	70	100%
Camp 17	3	100%	51	100%
Camp 18	4	100%	75	100%
Camp 19	3	100%	38	100%
Camp 20	1	100%	38	100%
Camp 20 Ext	1	100%	20	100%
Camp 9	5	100%	63	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 15
11 Camp 12
12 Camp 14
13 Camp 13



# of alerts
0 2 5 10

Table 10 | Performance by camp

Teknaf	W24		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	0	0%	15	100%
Camp 22 Unchiprang	1	100%	33	100%
Camp 23 Shamlapur	0	0%	13	100%
Camp 24 Leda	0	0%	38	100%
Camp 25 Ali Khali	1	100%	14	100%
Camp 26 Nayapara	3	100%	67	100%
Camp 27 Jadimura	0	0%	9	100%
Nayapara RC	2	100%	26	100%

Map 7 | Number of alerts by camp

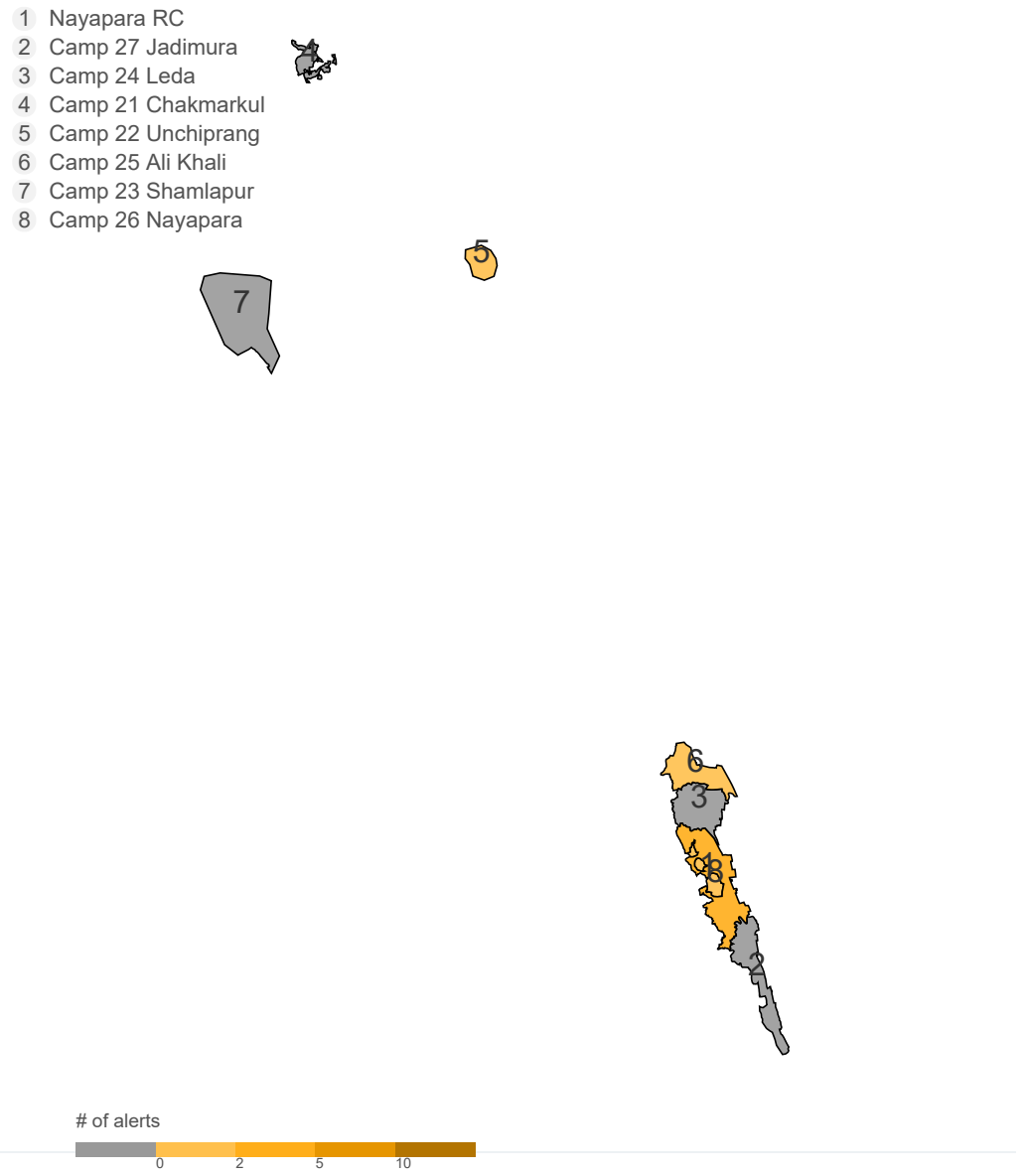


Table 11 | Performance by type of alert

Event	W24		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	1	100%	3	100%
Measles	5	100%	213	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	6	100%
Meningitis	0	0%	22	100%
Haem. fever (susp.)	0	0%	5	100%
NNT	0	0%	1	100%
Unexp. fever	0	0%	74	100%
AWD	4	100%	147	100%
ARI	5	100%	116	100%
AJS	2	100%	18	100%
Varicella (Susp.)	0	0%	29	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	14	100%	118	100%

Table 12 | Risk assessment

W24	Cumulative (2021)	
0	16	Low risk
0	2	Moderate risk
0	1	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.

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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 W24 2021

Ministry of Health and Family Welfare Bangladesh

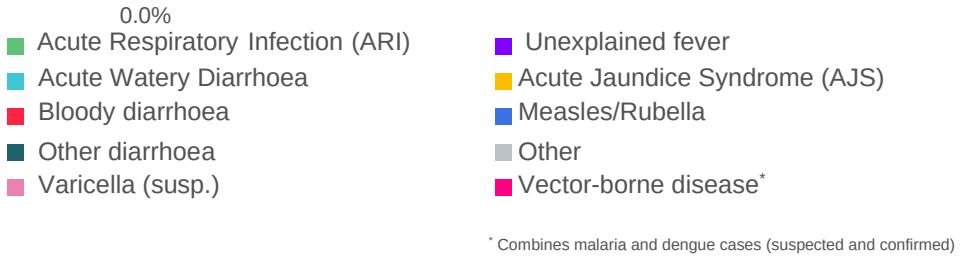
World Health Organization

HEALTH SECTOR COX'S BAZAR

Printed: 14:10 Tuesday, 22 June 2021 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W24 2021)



* Combines malaria and dengue cases (suspected and confirmed)

Disease	W24		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,479	4.1%	66,324	3.3%
Bloody diarr.	282	0.5%	8,103	0.4%
Other diarr.	991	1.6%	22,770	1.1%
Susp. Varicella	24	0.0%	3,270	0.2%
ARI	10,324	16.8%	370,549	18.4%
Measles/Rub.	6	0.0%	329	0.0%
AFP	0	0.0%	7	0.0%
Susp. menin.	0	0.0%	71	0.0%
AJS	12	0.0%	231	0.0%
Susp. HF	0	0.0%	5	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	11	0.0%
Malaria (conf.)	1	0.0%	11	0.0%
Malaria (susp.)	1,122	2.0%	15,886	0.8%
Dengue (conf.)	0	0.0%	3	0.0%
Dengue (susp.)	1	0.0%	27	0.0%
Unexpl. fever	722	1.2%	22,534	1.1%
Sev. Malnut.	33	0.1%	851	0.0%
Inj./Wounds	1,457	2.4%	54,093	2.7%
Other	43,934	71.3%	1,446,181	71.9%
Total	**60,854**	**100%**	**2,012,361**	**100%**

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W24)

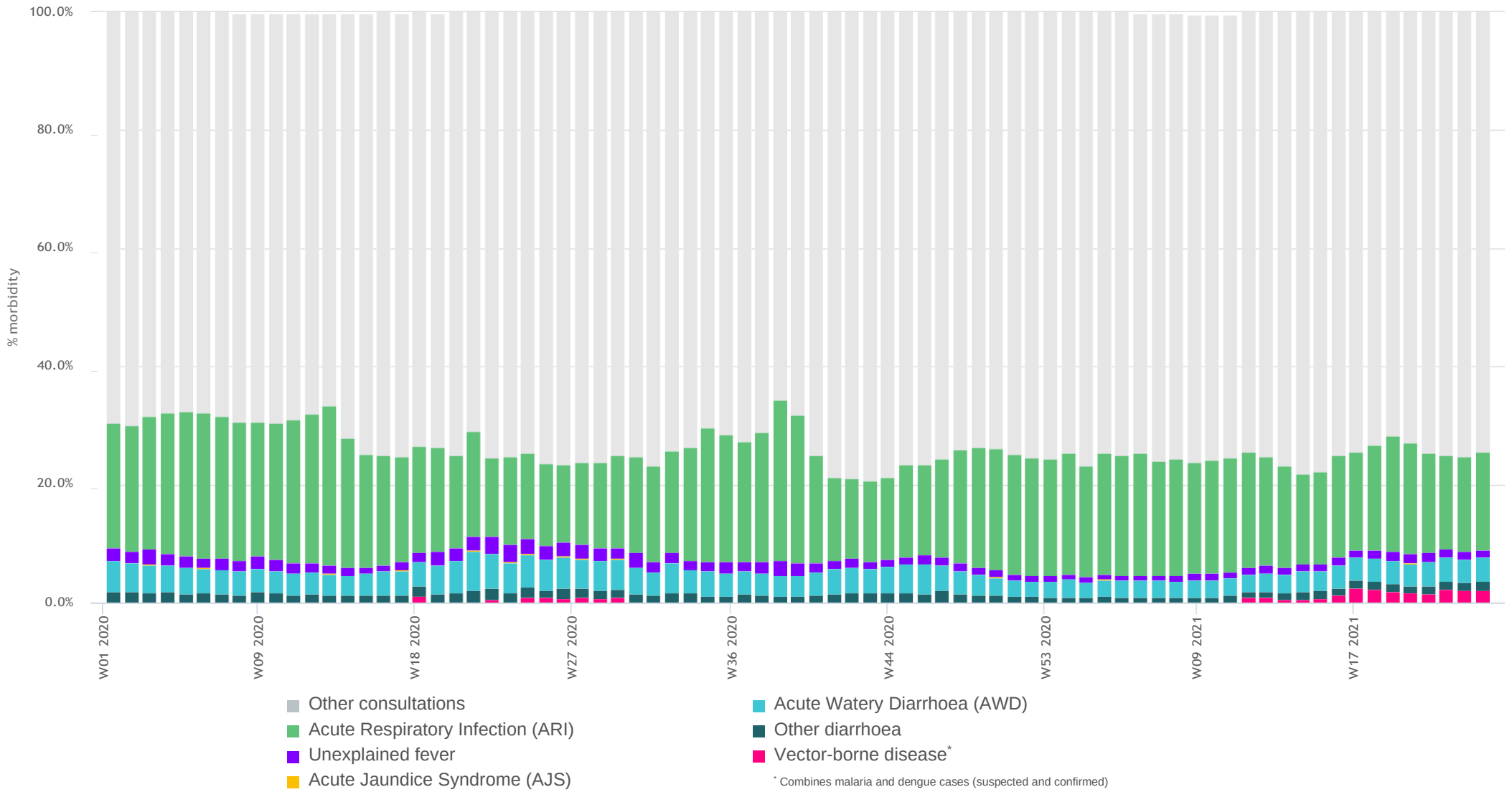
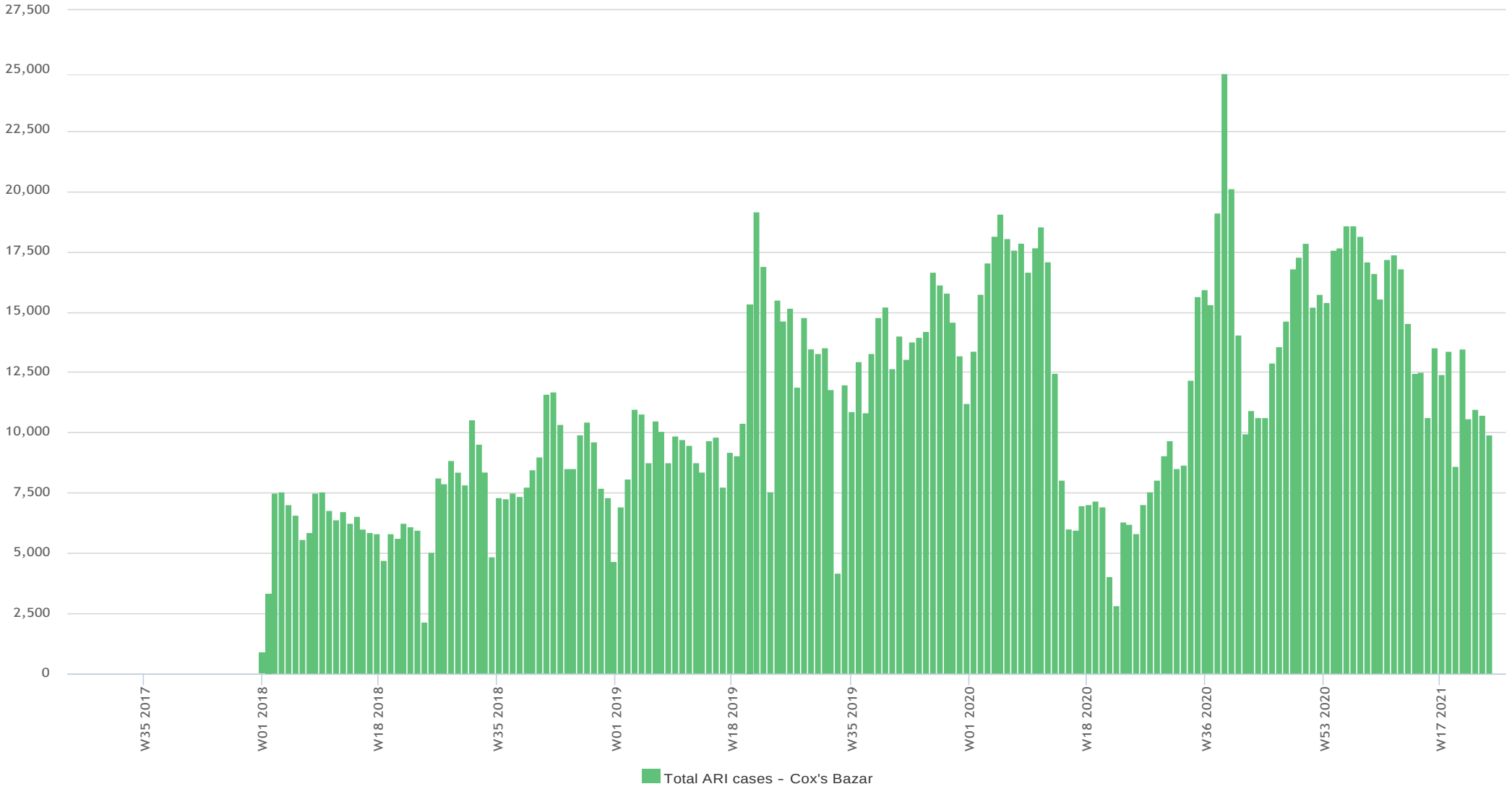
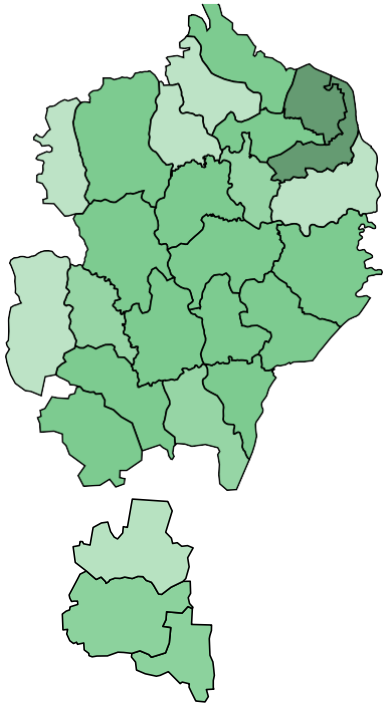


Figure 3 | Trend in number of cases over time (W38 2017 - W24 2021)



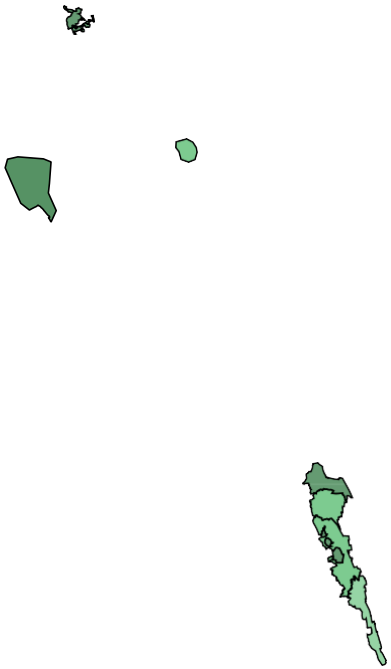
Map 1 | Map of cases by camp (W24 2021)

a. Ukhia | Number of cases

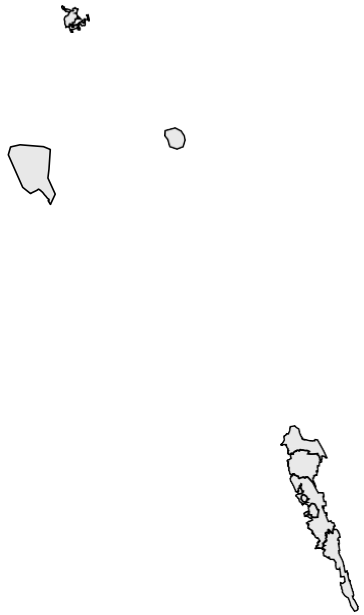


b. Ukhia | Number of alerts

c. Teknaf | Number of cases



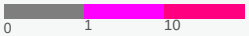
d. Teknaf | Number of alerts



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 (W24 2021)

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

Figure | % sex

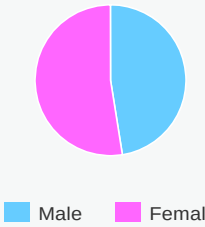


Figure | % age

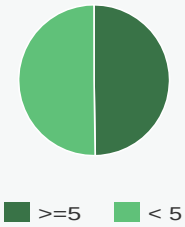
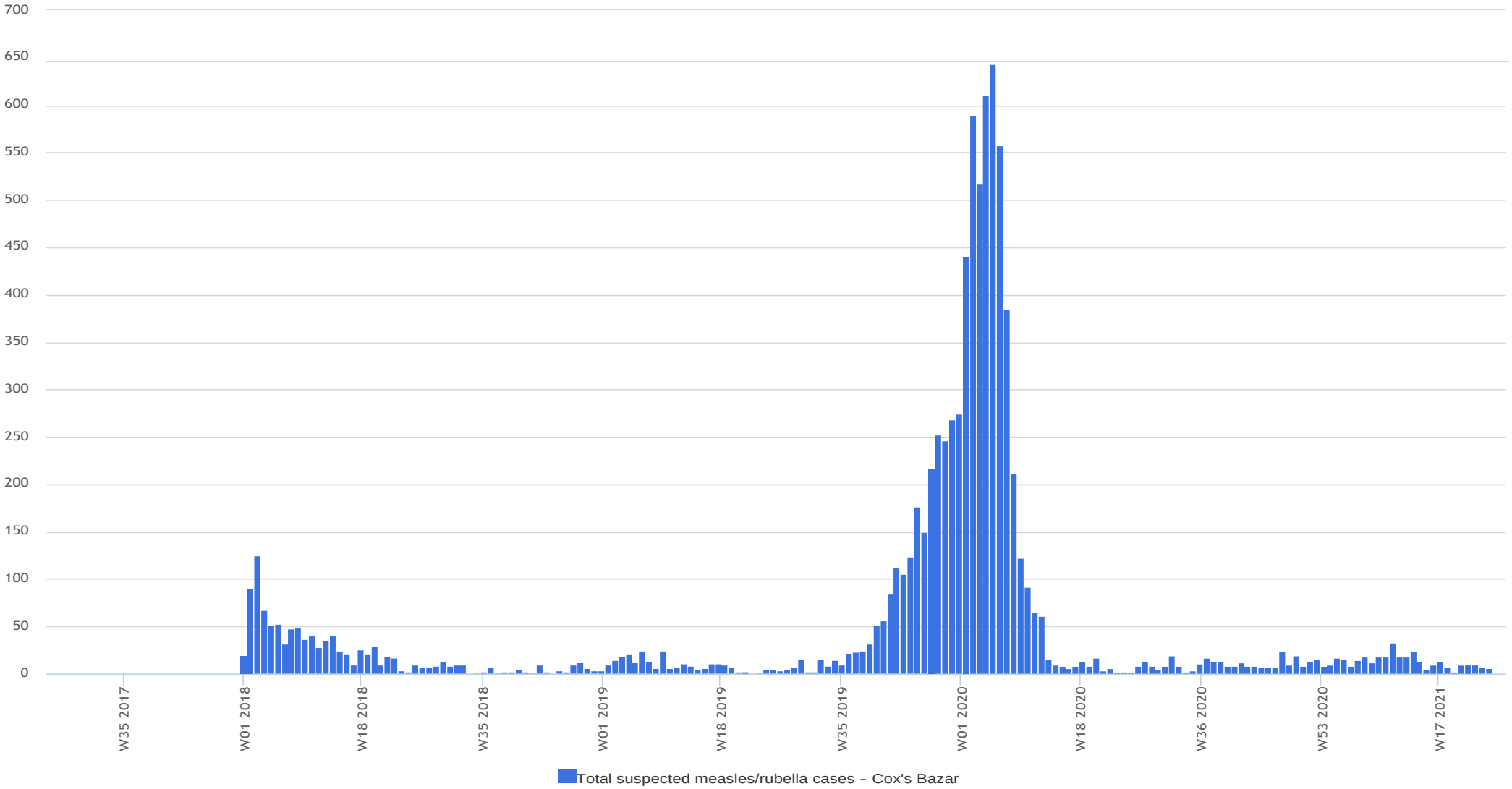
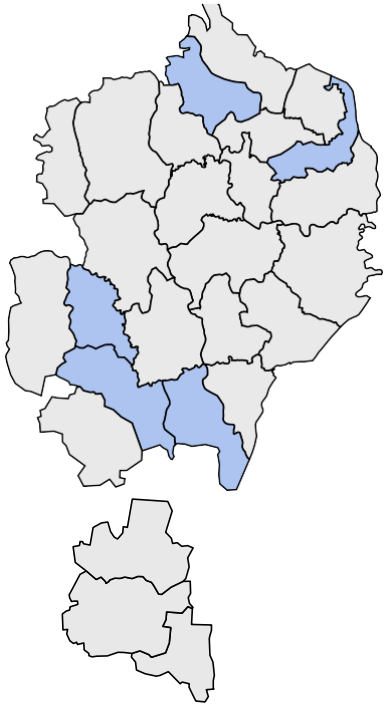


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W24 2021)

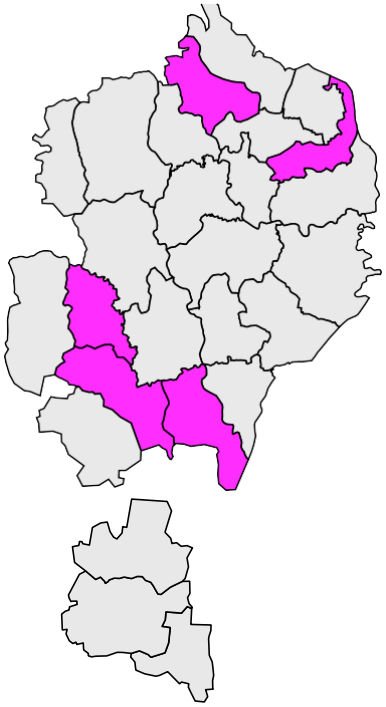


Map 2 | Map of cases by camp (W24 2021)

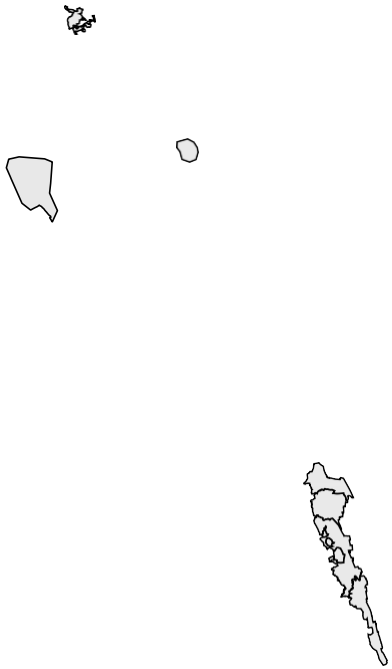
a. Ukhia | Number of cases



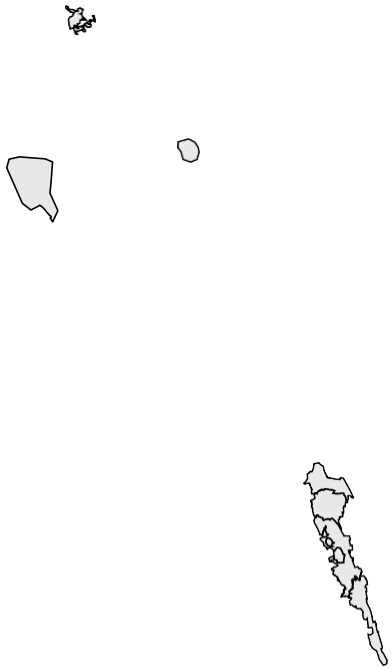
b. Ukhia | Number of alerts



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 (W24 2021)

5	100	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

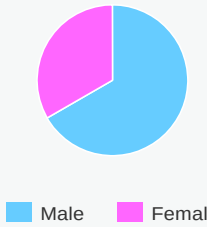
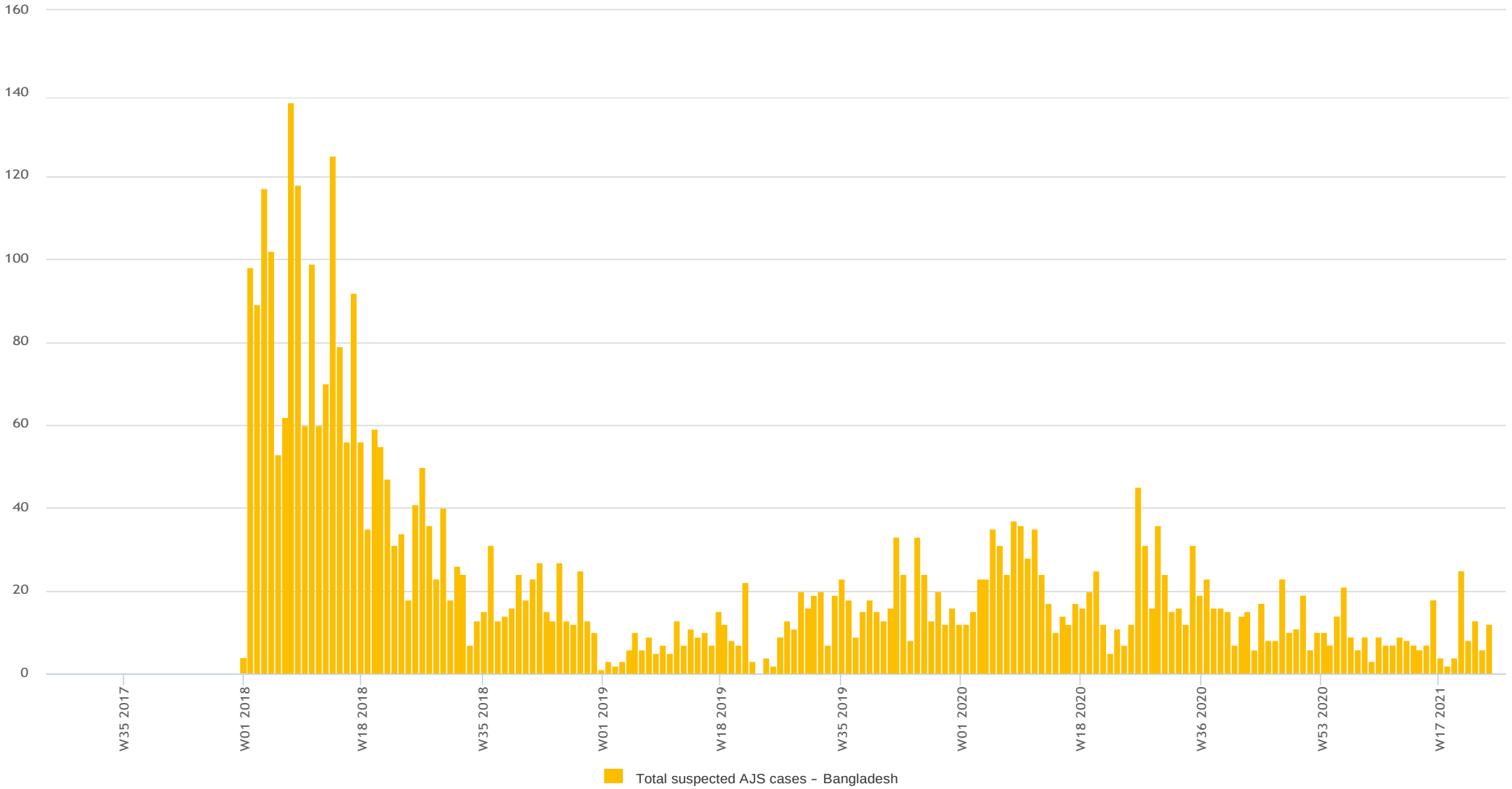


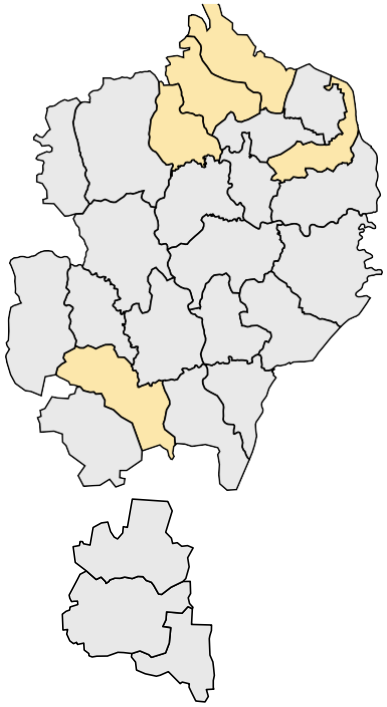
Figure | % age

Figure 5 | Trend in number of cases over time (W38 2017 - W24 2021)

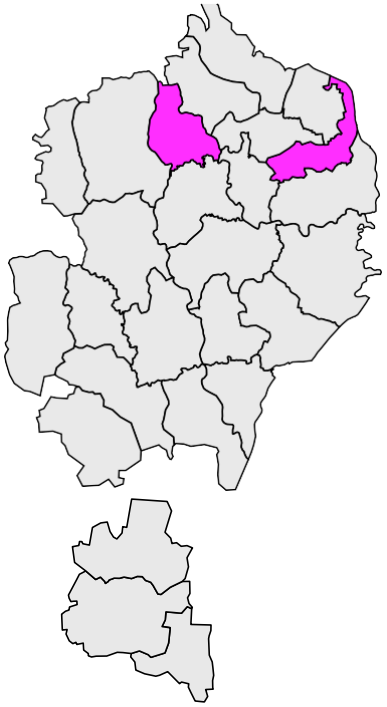


Map 3 | Map of cases by camp (W37 2017 - W24 2021)

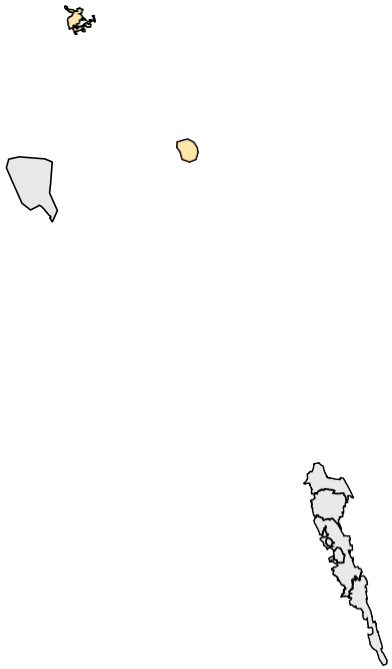
a. Ukhia | Number of cases



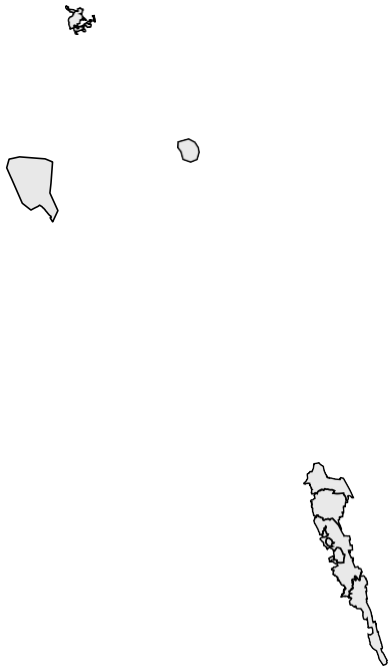
b. Ukhia | Number of alerts



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

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

Alert management (W24 2021)

2	100	0	0	0	0
Alerts	Verified	Low Risk	Moderate Risk	High Risk	Very High Risk

Figure | % sex

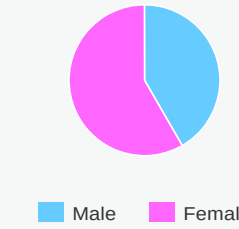


Figure | % age

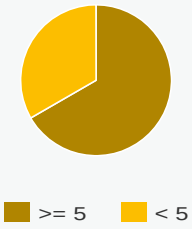


Figure 6 | Trend in number of cases over time (W38 2017 - W24 2021)

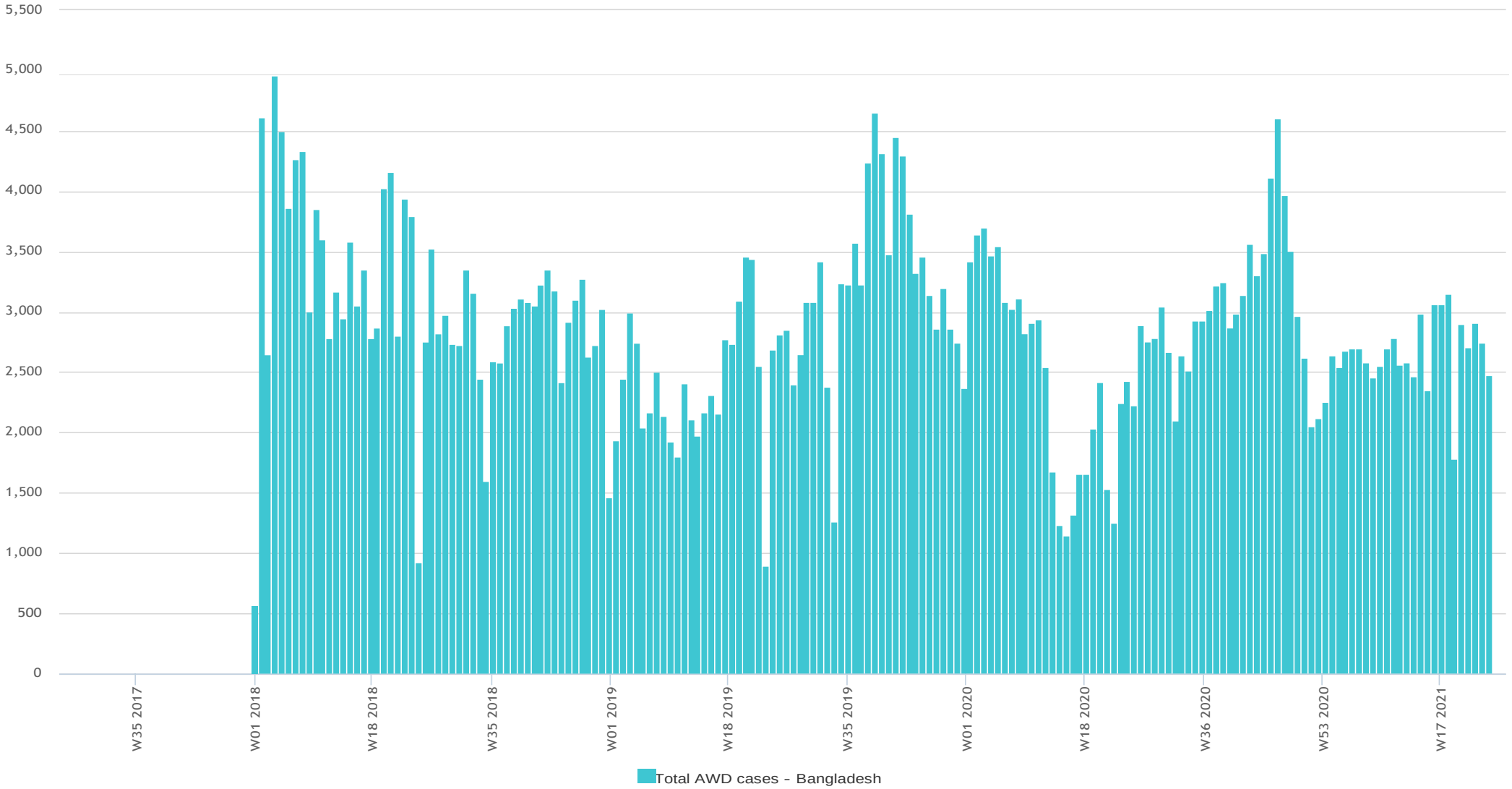
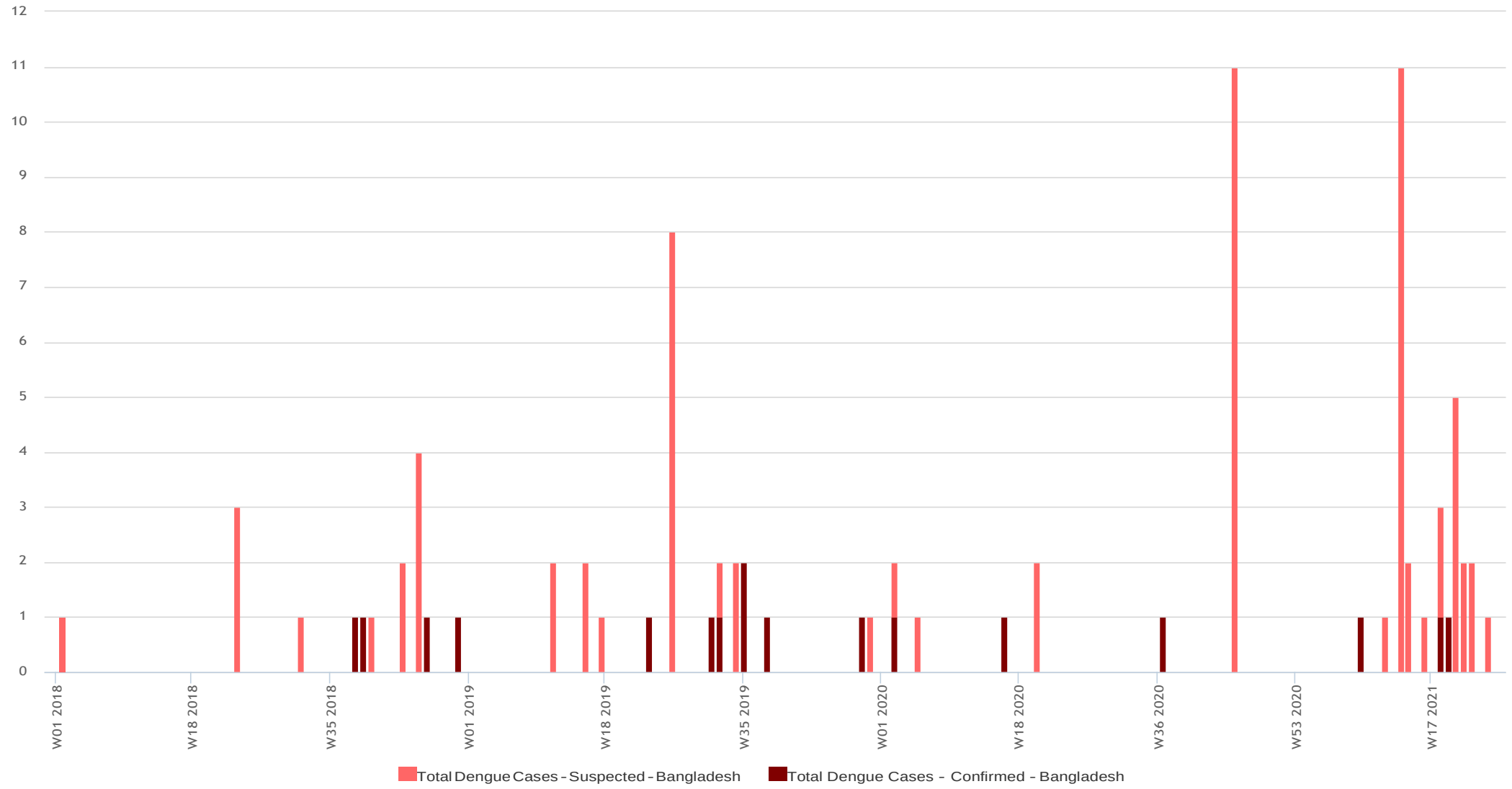


Figure 7 | Trend in number of cases over time (W38 2017 - W24 2021)

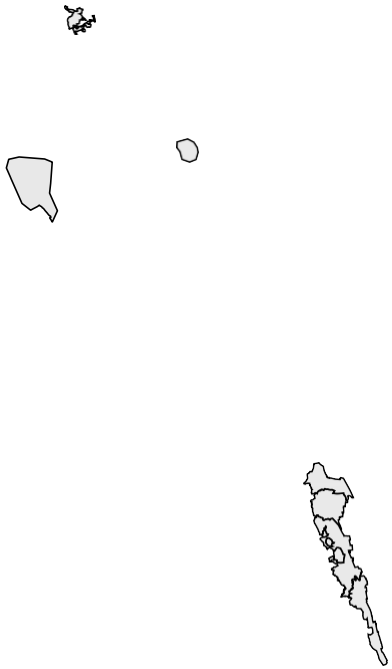


Map 4 | Map of cases by camp (W37 2017 - W24 2021)

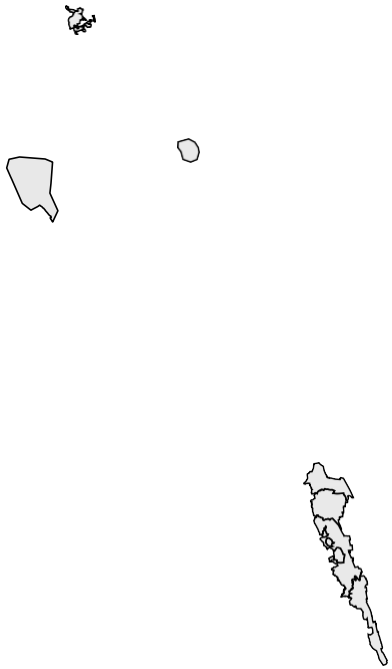
a. Ukhia | Number of cases

b. Ukhia | Number of alerts

c. Teknaf | Number of cases

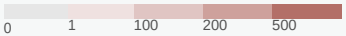


d. Teknaf | Number of alerts

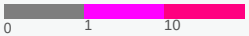


Map legend

Number of cases



Number of alerts



Alert threshold

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

Alert management (W24 2021)

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

Figure | % sex

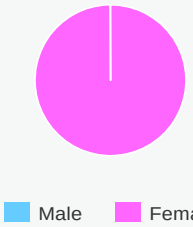


Figure | % age

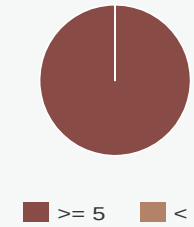
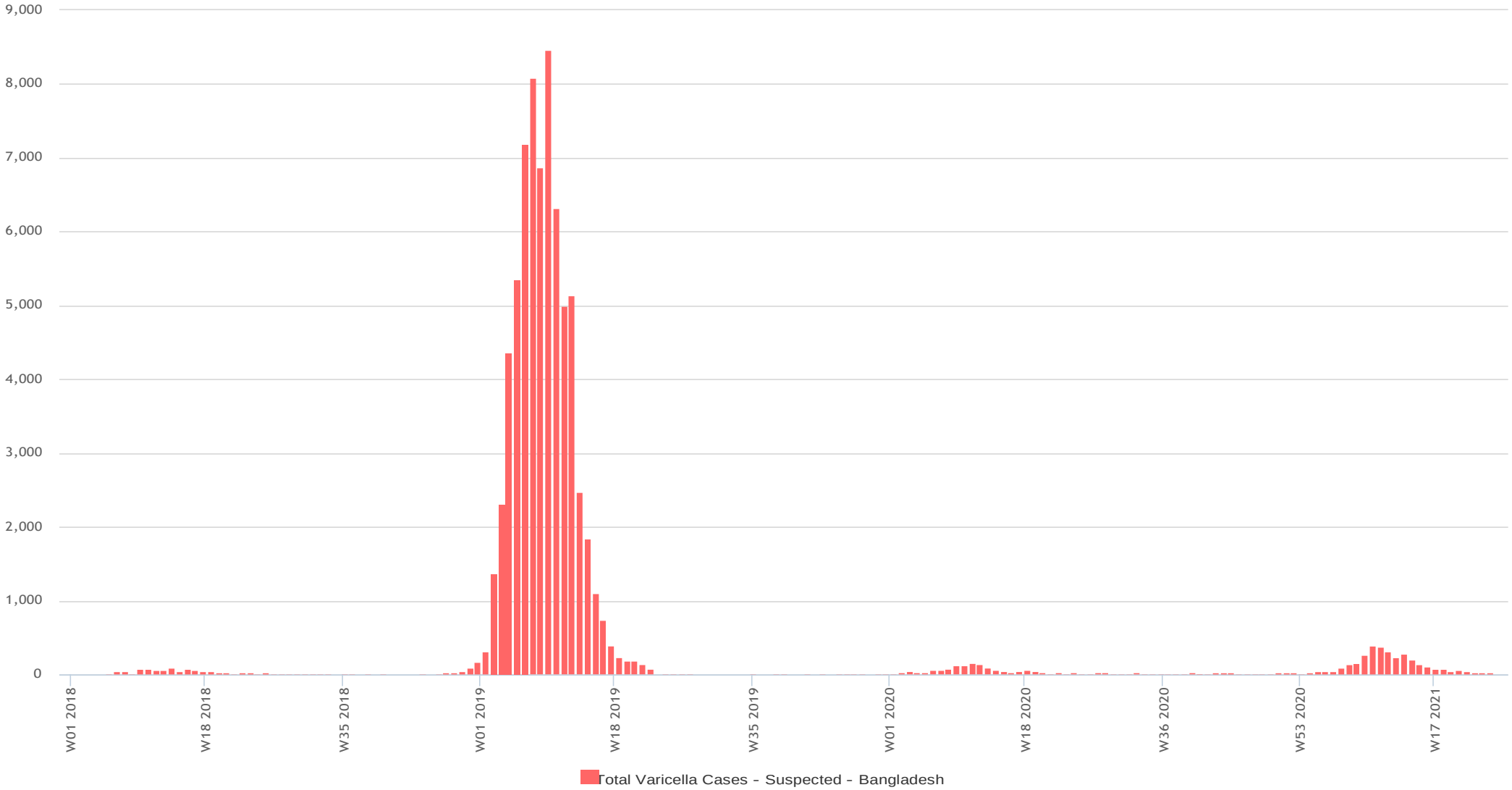


Figure 7 | Trend in number of cases over time (W38 2017 - W24 2021)



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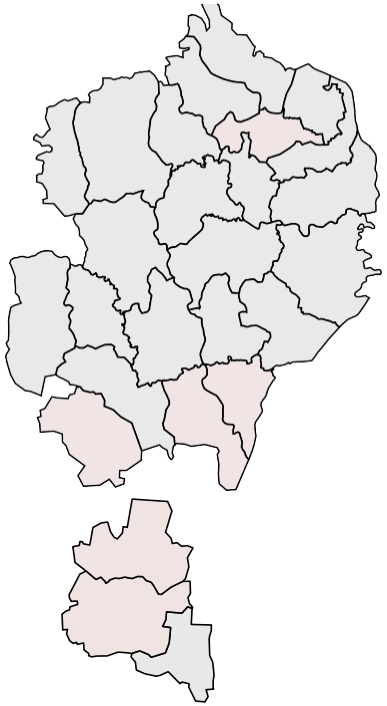
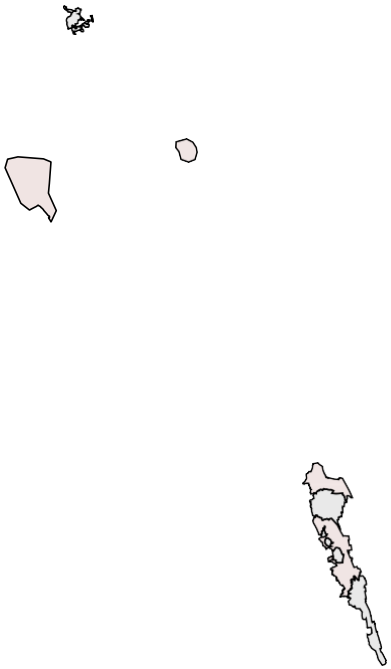
a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

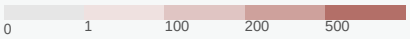


Figure | % sex

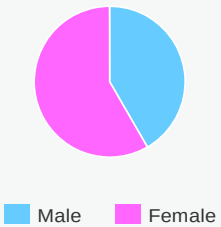
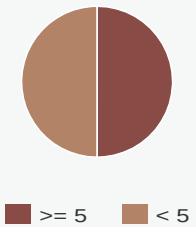


Figure | % age



For more help and support, please contact:

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Notes

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Ministry of Health and Family Welfare Bangladesh

World Health Organization

HEALTH SECTOR COX'S BAZAR

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