



Epidemiological Highlights

Week 25 (21-27 June 2021)



**World Health
Organization**

Highlights: COVID-19

As of week 25, (21-27 June 2021) there are 1 731 confirmed cases of COVID-19 (SARS-CoV-2), 48 323 samples were tested, total positivity rate 3.6%.

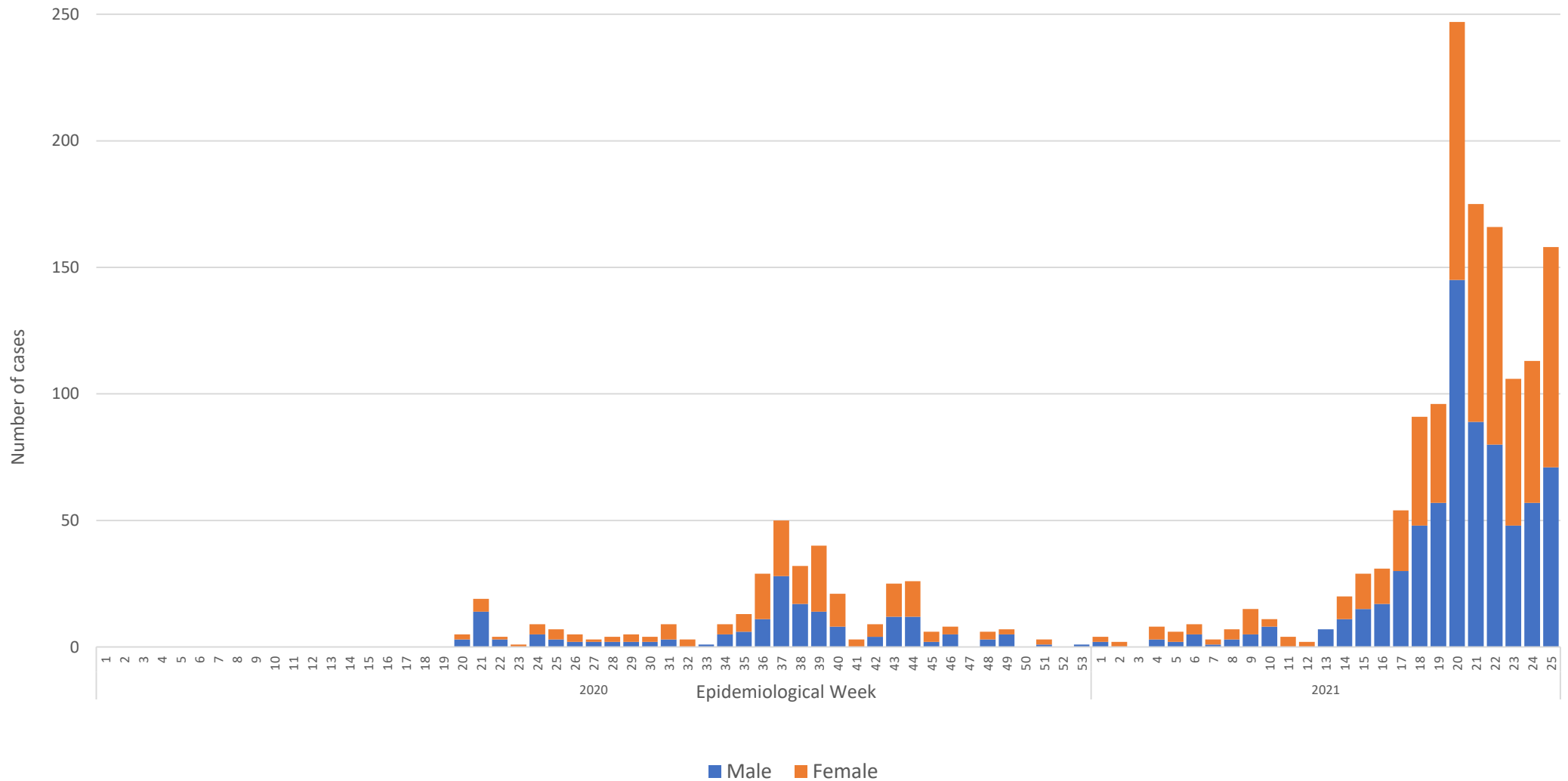
This week (week 25), 158 new confirmed cases detected, 1 226 samples were tested, test positivity was 12.9%.

As of this week (week 25)

- 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 50%
- All 34/34 camps have confirmed cases (C2W-124, C3-111, C24-110, C15-109 and C4-105)
- A total of 20 deaths from COVID-19 with the case fatality rate 1.2%
- Cases per million in last 7 days 183.8, change in last 7 days 40%

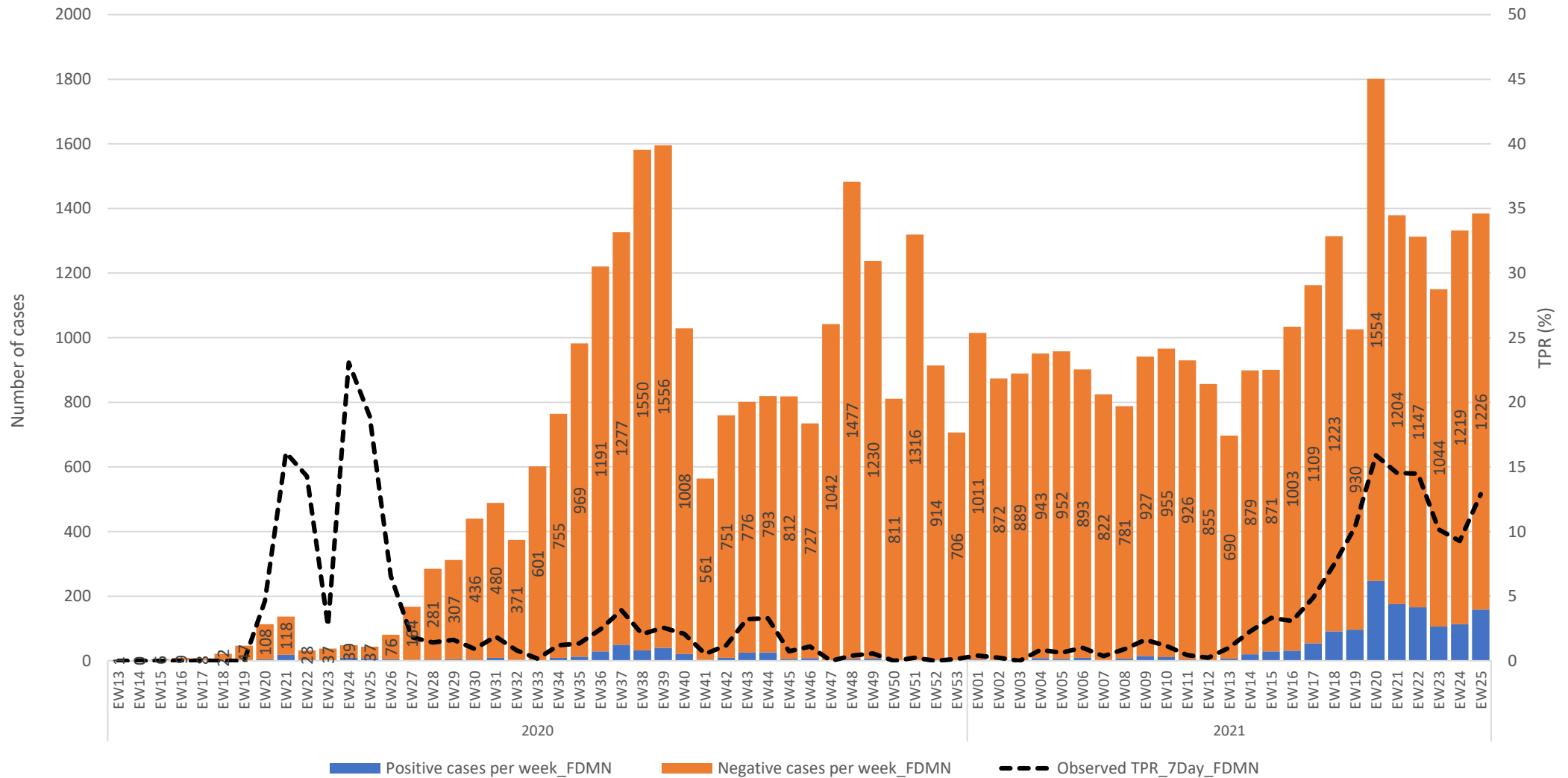
Highlights: COVID-19

COVID-19 positive cases (n=1,731) by week of test



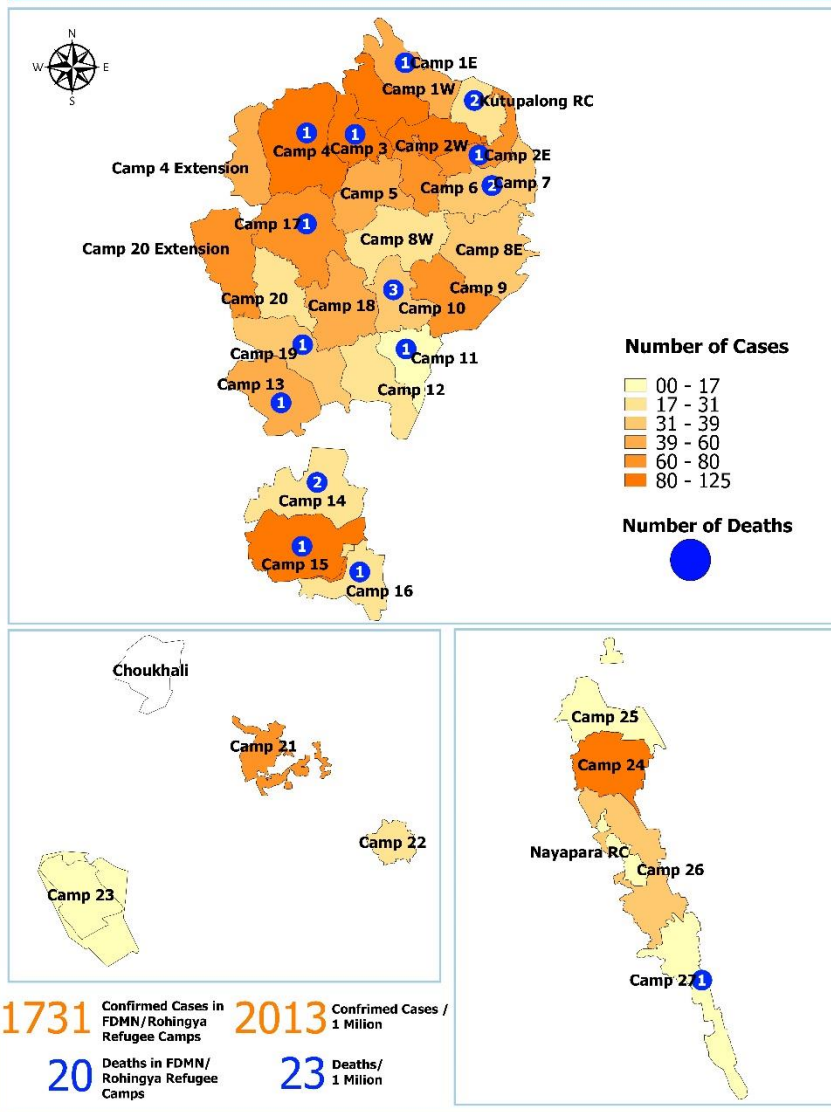
Highlights: COVID-19

Weekly observed TPR, FDMN/Roingya Refugees, Cox's Bazar

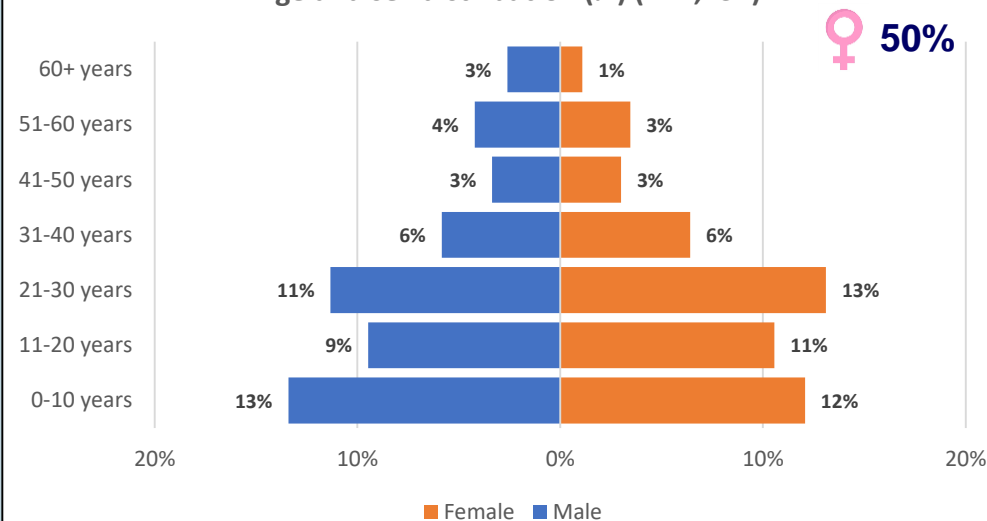


Highlights: COVID-19

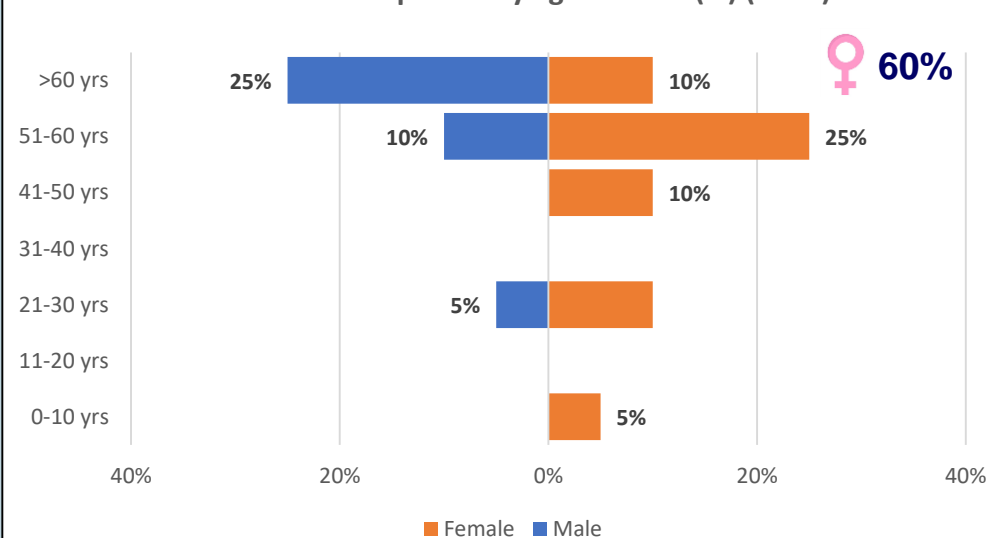
COVID-19 Cases and Deaths in Rohingya Camps (as of 27 June 2021)



Age and sex distribution (%) (n=1,731)

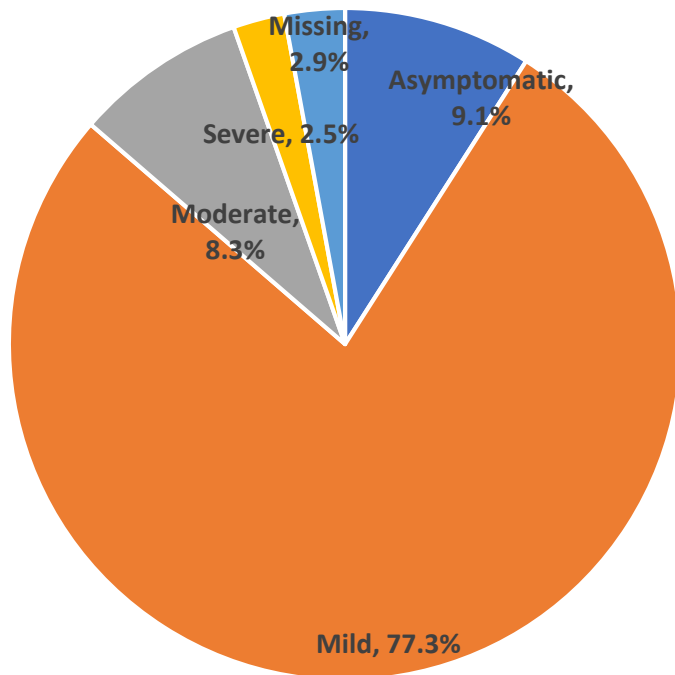


Death reported by age and sex (%) (n=20)

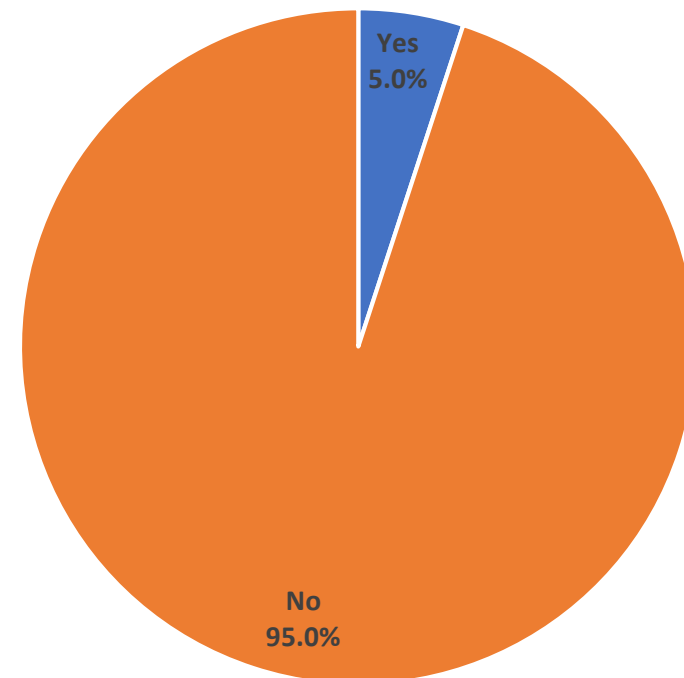


Highlights: COVID-19

Severity of reported cases at presentation (n=1,413)



Did the case report at least 1 co-morbidity (n=1,413)



Source: Go.Data

Highlights: COVID-19 Contact Tracing

- Total 1,413 (out of 1,731) 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 3,106 contacts registered for follow up in the Go.Data.
- 2,192 (70.6%) contacts successfully completed the follow up.
- One hundred fifty-two (6.9%) contacts became tested positive for COVID-19 during the incubation period.

EWARS Reporting Updates

- Total 172 health facilities registered in EWARS
- Only 132/172 weekly reports received on time in week 25
- Fifty-nine (59) alerts were triggered in week 25
- Timeliness of reporting for this week is 75%
- All alerts were reviewed and verified by WHO EWARS team, the number is less than that of previous week (65 in week 24).

Highlights:

- Acute Respiratory Infection (13.4%), Diarrheal Diseases (5.8%) & Unexplained Fever (1.6%) are the diseases with highest proportional morbidity in week 25.
- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - Ninety-two (92) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COVID-19.
 - Total eleven (11) SARI deaths were considered as death due to probable COVID-19 till date.

Diphtheria

One (1) suspected diphtheria case was reported in go.data in week 25

A total of 9 279 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 803
- Suspected = 6 133

Total case reported in 2021 = 93

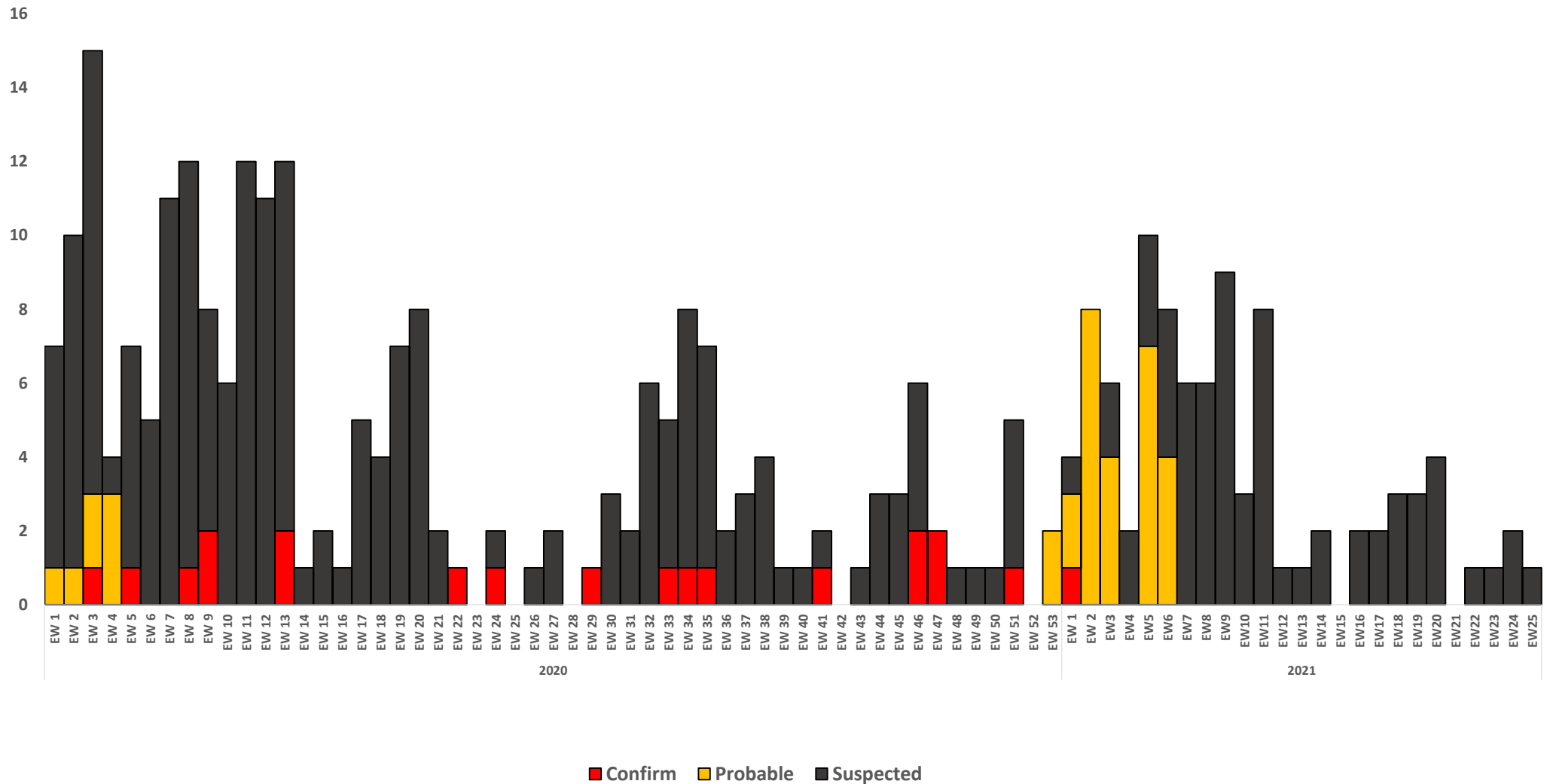
- Confirmed = 1
- Probable = 25
- Suspected = 67

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

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

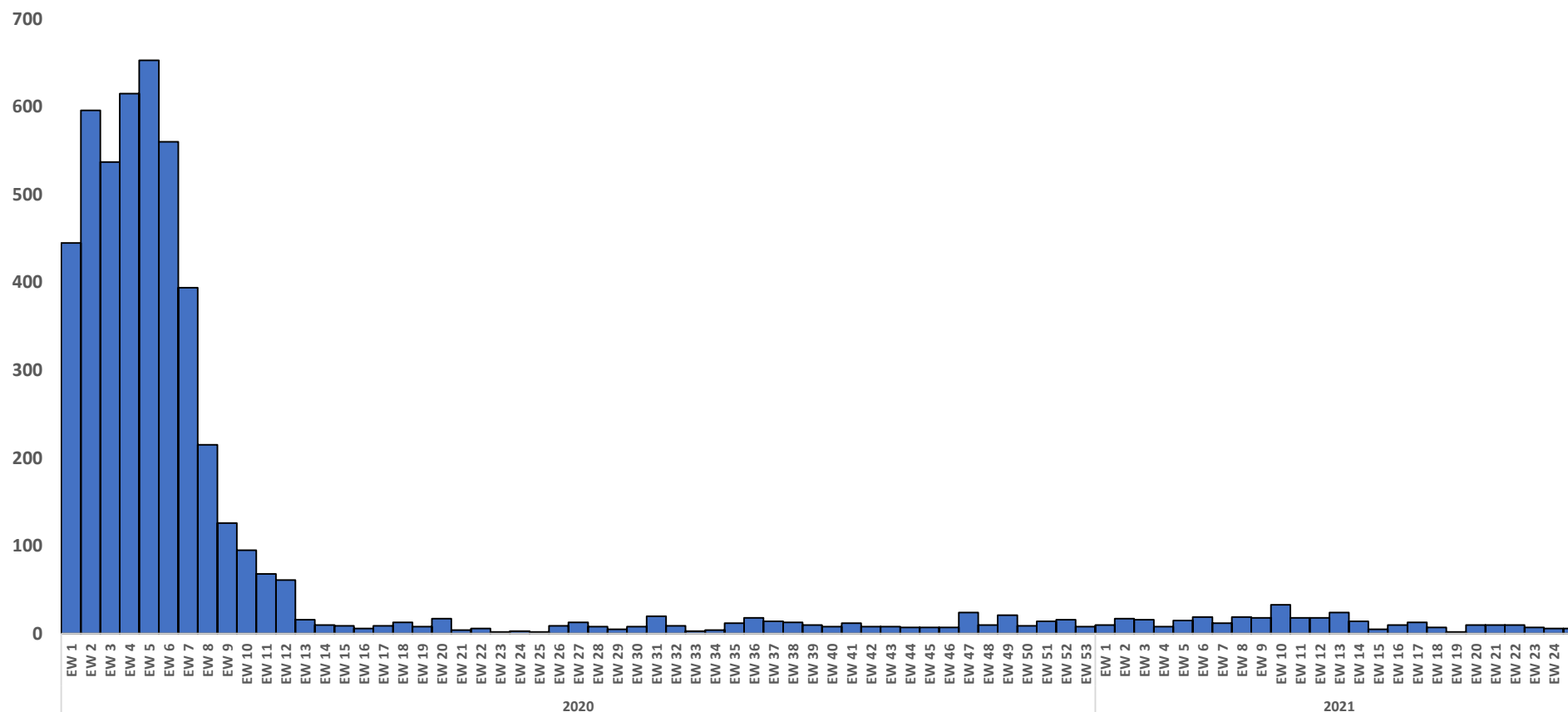
Diphtheria

Total number of diphtheria case reported in EWARS from 2020-2021 W25



Measles

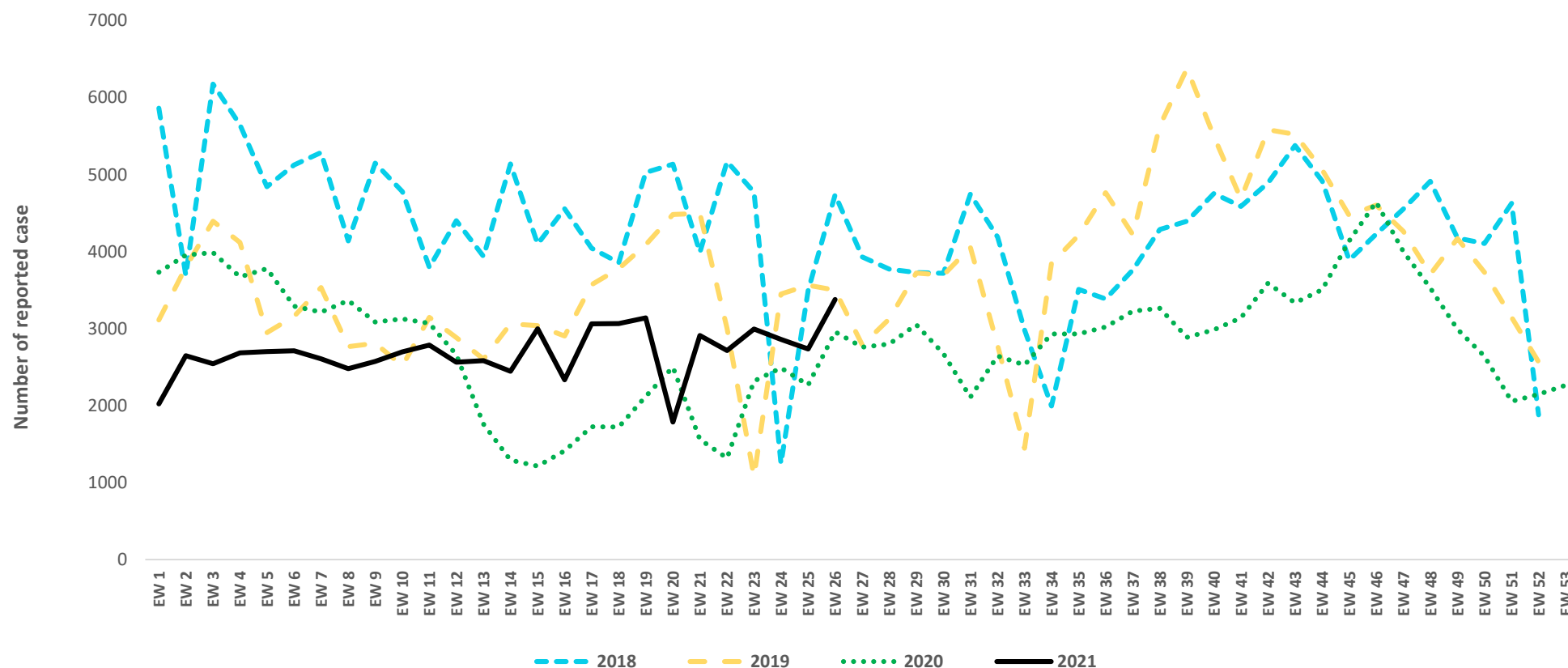
Total number of Measles case reported in EWARS from 2020- 2021 W25



In week 25, 6 suspected measles cases were reported through weekly reporting make 327 cases in total in 2021. Out of those 245 cases (75%) reported through case-based reporting and samples collected for laboratory confirmation.

Diarrhoeal Disease

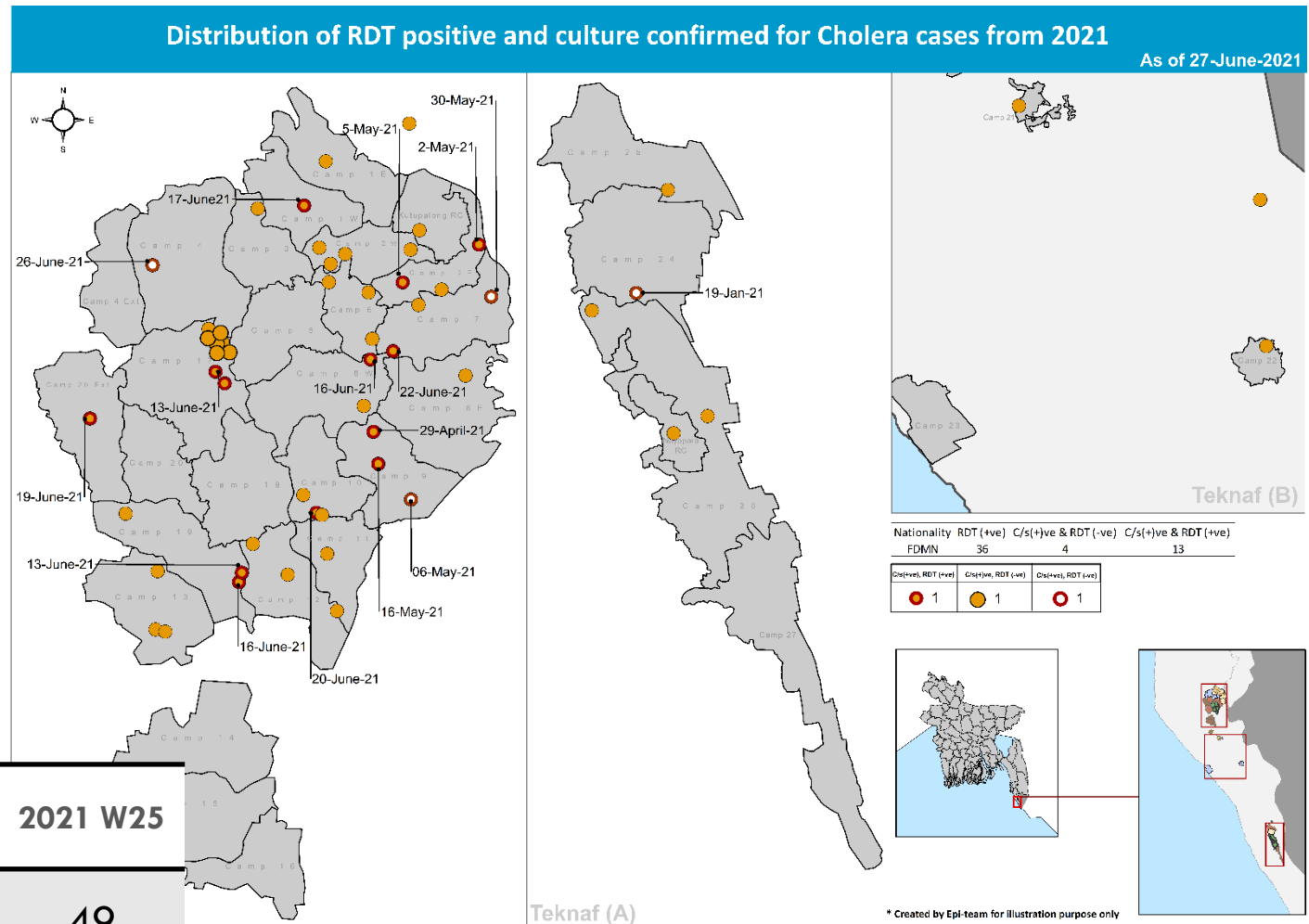
Total number of AWD case reported in EWARS from 2018-2021 W25



- A total of 4,719 cases of diarrhoeal diseases reported in EWARS in week 25.
- Among which 3,377 cases (4.2%) reported as acute watery diarrhoea (AWD), remaining 1021 (1.3%) and 321 (0.4%) cases as other and bloody diarrhea, respectively.

Cholera Surveillance

- Total seventy-four (74) Cholera RDT positive/culture cases reported as of W25 2021. Out of those 25 were confirmed and 46 discarded and remaining 3 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 W25

RDT positive
for Cholera

49 258 28 49

Culture Confirmed
for Cholera

7 184 5* 25

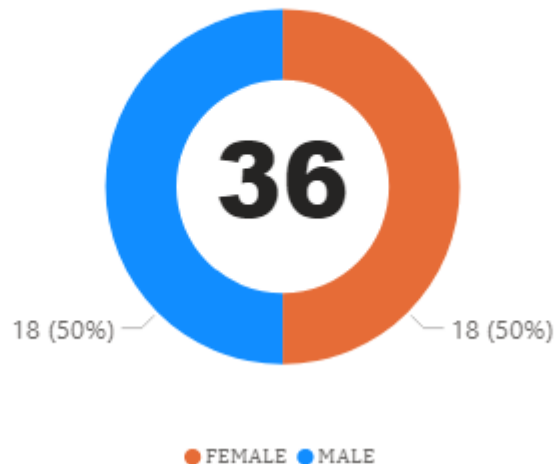
*3 culture confirmed cases were RDT negative in 2020

Community-based Mortality surveillance

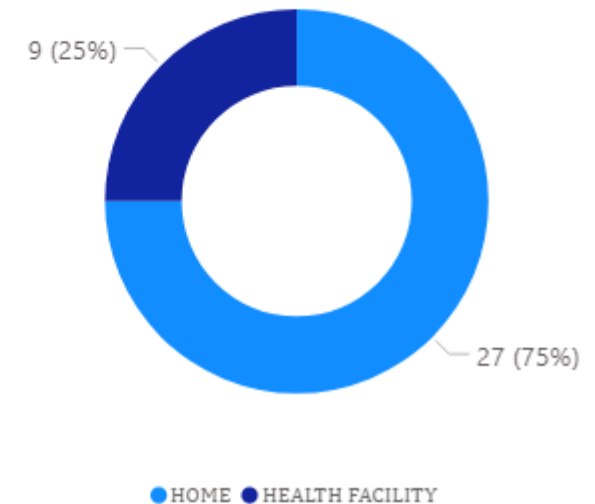
- In week 25, 36 deaths were recorded -
 - 64% (n=23) were due to causes classified as “Others”
 - 8% (n=3) as still birth (Born Dead)
 - 16% (n=6) as neonatal (<28 days old)
 - 3% (n=1) as infectious disease
 - 6% (n=2) as maternal death
 - 3% (n=1) as severe acute respiratory infection (SARI)
- Out of reported deaths, 25% occurred in health facilities and 75% at homes.
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

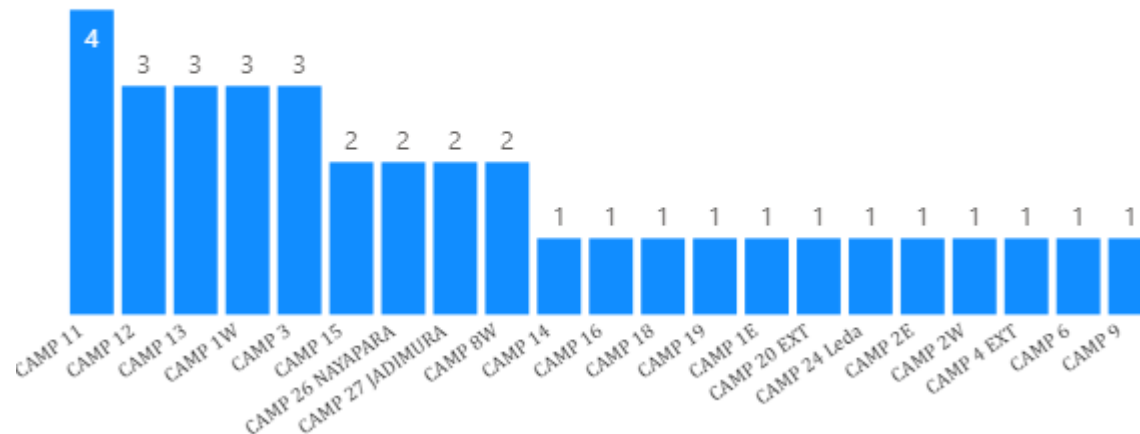
Gender distribution



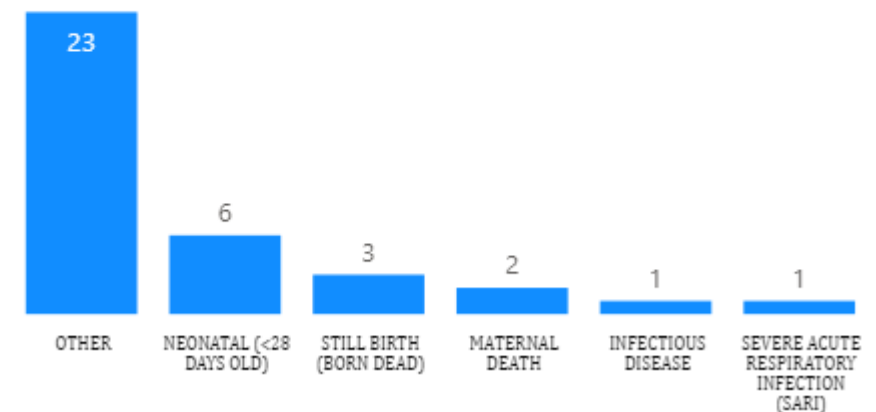
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W25 2021



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



HEALTH SECTOR
COX'S BAZAR



Printed: 02:38 Wednesday, 30 June 2021 UTC

Contents

Highlights

Slide 1	Table 1 Coverage
	Table 2 Early warning performance
	Table 3 Alert performance

Early Warning

Slide 2	Map 1a Ukhia completeness by site/zone
	Map 1b Teknaf completeness by site/zone
Slide 3	Table 4 Ukhia (Northern group) performance by site/zone
	Map 2 Ukhia (Northern group) completeness by site/zone
Slide 4	Table 5 Ukhia (Southern group) performance by site/zone
	Map 3 Ukhia (Southern group) completeness by site/zone
Slide 5	Table 6 Teknaf performance by site/zone
	Map 4 Teknaf completeness by site/zone
Slide 6	Table 7 Performance by partner

Alert

Slide 7	Table 8 Ukhia (Northern group) alerts by site/zone
	Map 5 Ukhia (Northern group) alerts site/zone
Slide 8	Table 9 Ukhia (Southern group) alerts by site/zone
	Map 6 Ukhia (Southern group) alerts site/zone
Slide 9	Table 10 Teknaf alerts by site/zone
	Map 7 Teknaf alerts site/zone
Slide 10	Table 11 Performance by type of alert
	Table 12 Risk Assessment

Sources of data

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

Highlights W25 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population ¹
0	100%	Total population under surveillance
175	-	Total number of health facilities
173	99%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W25	Cumulative (2021)	
132	3997	Number of weekly reports received
75%	88%	Completeness
75%	84%	Timeliness

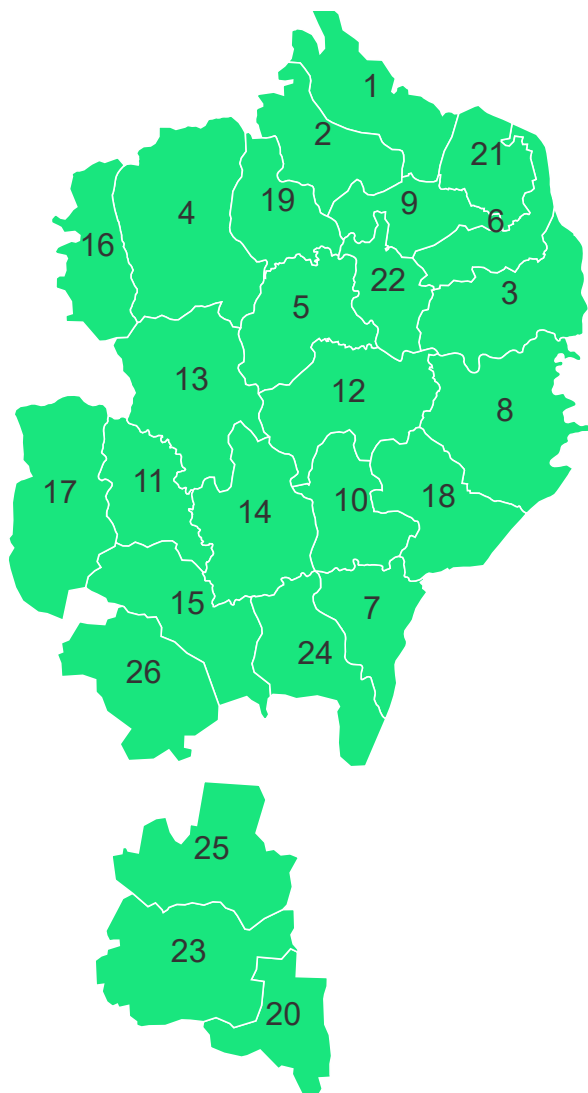
Table 3 Alert performance indicators

W25	Cumulative (2021)	
59	1,685	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
17%	1%	% undergoing risk assessment
0%	1%	% completed risk assessment

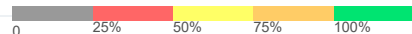
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

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

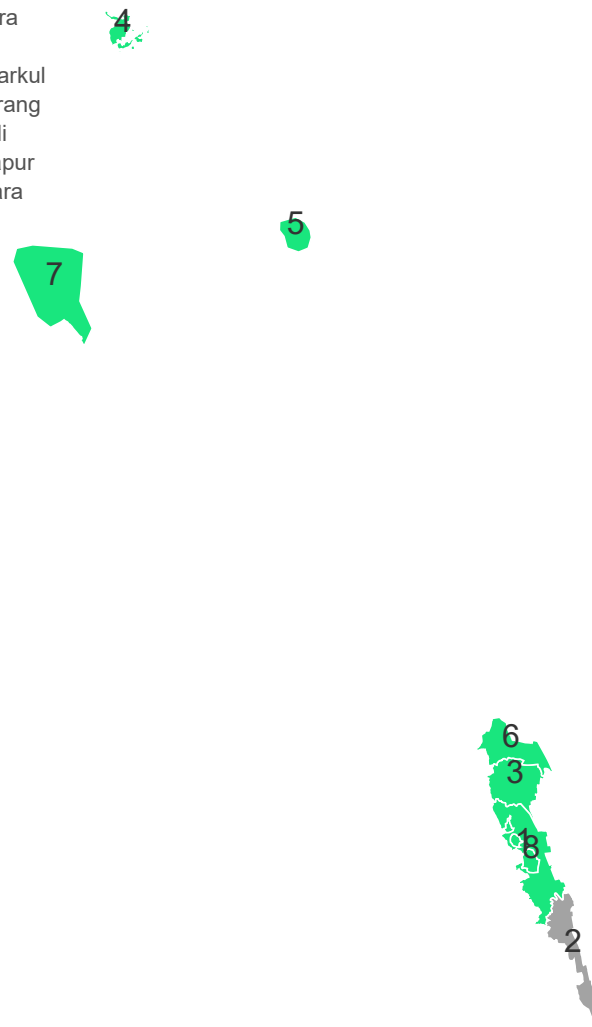


Completeness



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

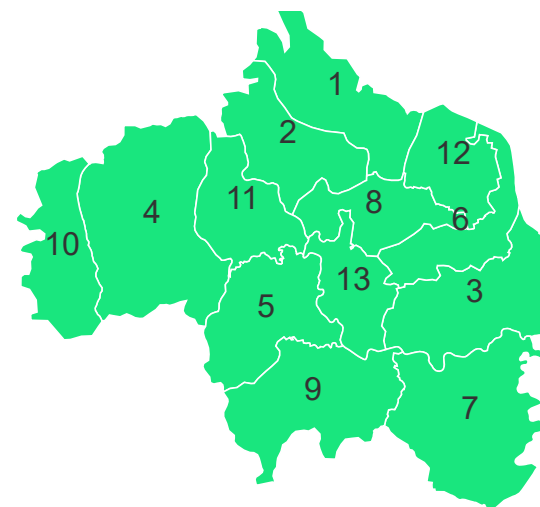


Table 4 | Performance by camp (W25 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	3	75%	75%
Camp 1W	4	2	50%	50%
Camp 2E	3	2	67%	67%
Camp 2W	4	2	50%	50%
Camp 3	6	6	100%	100%
Camp 4	6	3	50%	50%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	3	3	100%	100%
Camp 7	5	4	60%	60%
Camp 8E	8	5	63%	63%
Camp 8W	5	5	80%	80%
Kutupalong RC	2	2	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 Camp 2W
- 9 Camp 8W
- 10 Camp 4 Ext
- 11 Camp 3
- 12 Kutupalong RC
- 13 Camp 6



Completeness

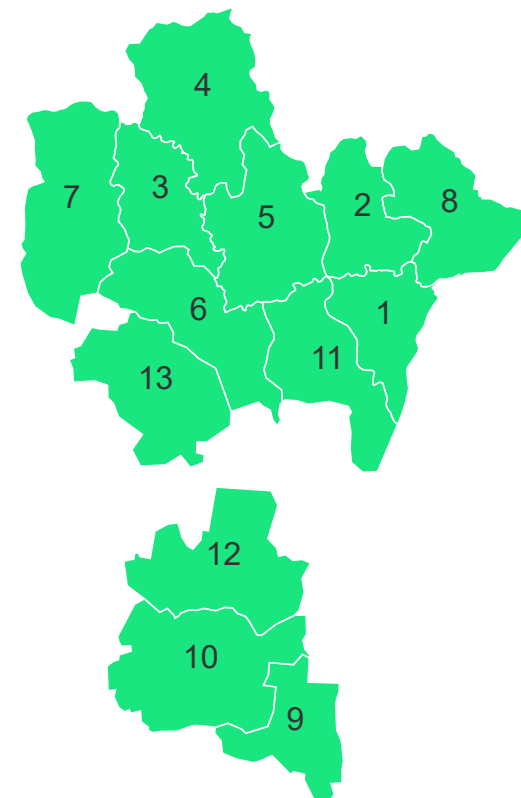


Table 5 | Performance by camp (W25 2021)

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	5	83%	83%
Camp 13	9	8	89%	89%
Camp 14	7	5	71%	71%
Camp 15	9	8	89%	89%
Camp 16	5	4	80%	80%
Camp 17	5	5	100%	100%
Camp 18	5	5	100%	100%
Camp 19	6	6	100%	100%
Camp 20	3	2	67%	67%
Camp 20 Ext	2	2	100%	100%
Camp 9	6	3	50%	50%

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

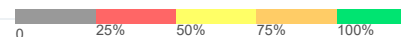


Table 6 | Performance by camp (W25 2021)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	4	1	25%	25%
Camp 22 Unchiprang	4	3	75%	75%
Camp 23 Shamlapur	3	2	67%	67%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	2	67%	67%
Camp 26 Nayapara	4	3	75%	75%
Camp 27 Jadimura	3	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 22 Unchiprang
- 6 Camp 25 Ali Khali
- 7 Camp 23 Shamlapur
- 8 Camp 26 Nayapara

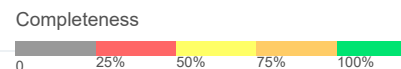
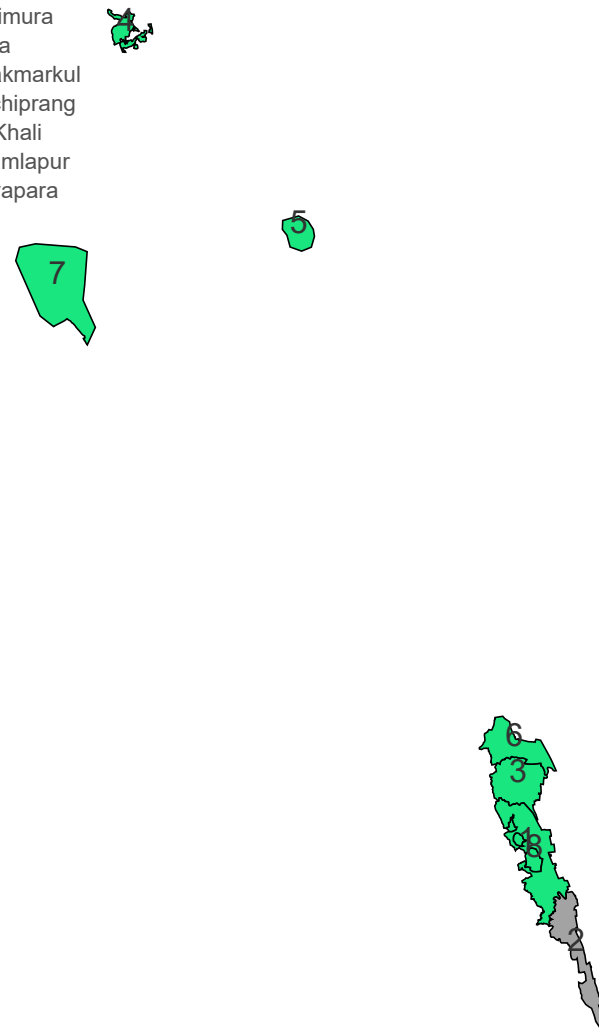


Table 7 | Performance by partner (W25 2021)

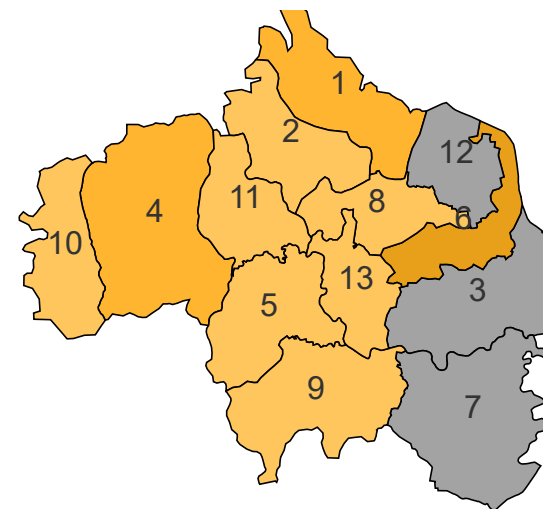
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AWARD	6	6	100%	100%	IRC	2	2	0%	0%
BASHMAH	1	0	0%	0%	MSF	9	3	0%	0%
BDRCS	12	10	83%	83%	MoH	21	13	0%	0%
BRAC	11	11	100%	100%	Hope	1	1	0%	0%
CARE	4	4	100%	100%	Medair	2	2	100%	100%
DAM	2	2	100%	100%	FH/MTI	3	3	0%	0%
DBC	1	1	100%	100%	PRANTIC	1	0	0%	0%
DSK	1	1	0%	0%	PULSE	1	0	0%	0%
DCHT	12	10	83%	83%	QC	1	1	100%	100%
FRNDS	10	6	0%	0%	PHD	10	10	0%	0%
GK	10	10	0%	0%	PWJ	0	0		
Global One	1	1	100%	100%	RPN	2	2	100%	100%
GUSS	1	1	100%	100%	RHU	3	3	100%	0%
HAEFA	2	0	0%	0%	RI	3	3	0%	0%
HAIB	8	9	113%	113%	RTMI	9	9	0%	0%
HMBDF	2	2	0%	0%	SALT	1	1	100%	100%
HOPE	12	10	83%	83%	SCI	7	0	0%	0%
HTN	0	0			SHED	0	0		
ICRC	2	1	50%	50%	Turkish Government	1	0	0%	0%
IOM	15	9	0%	0%	TdH	2	1	0%	0%

Table 8 | Performance by camp

Northern group	W25		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	3	100%	34	100%
Camp 1W	2	100%	51	100%
Camp 2E	7	86%	149	99%
Camp 2W	1	100%	38	100%
Camp 3	2	100%	78	100%
Camp 4	4	100%	81	99%
Camp 4 Ext	2	100%	14	100%
Camp 5	1	100%	78	100%
Camp 6	1	100%	41	100%
Camp 7	0	0%	16	100%
Camp 8E	0	0%	21	100%
Camp 8W	1	100%	87	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

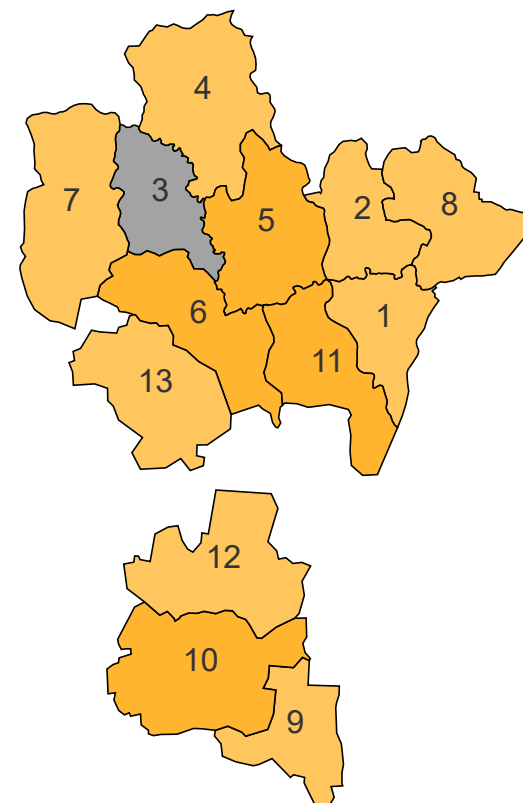


Table 9 | Performance by camp

Southern group	W25		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	1	100%	55	100%
Camp 11	2	100%	61	100%
Camp 12	3	100%	60	100%
Camp 13	1	100%	66	100%
Camp 14	1	100%	46	100%
Camp 15	3	67%	65	98%
Camp 16	2	100%	73	100%
Camp 17	1	100%	52	100%
Camp 18	5	100%	82	100%
Camp 19	4	100%	43	100%
Camp 20	0	0%	38	100%
Camp 20 Ext	2	100%	22	100%
Camp 9	2	100%	65	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

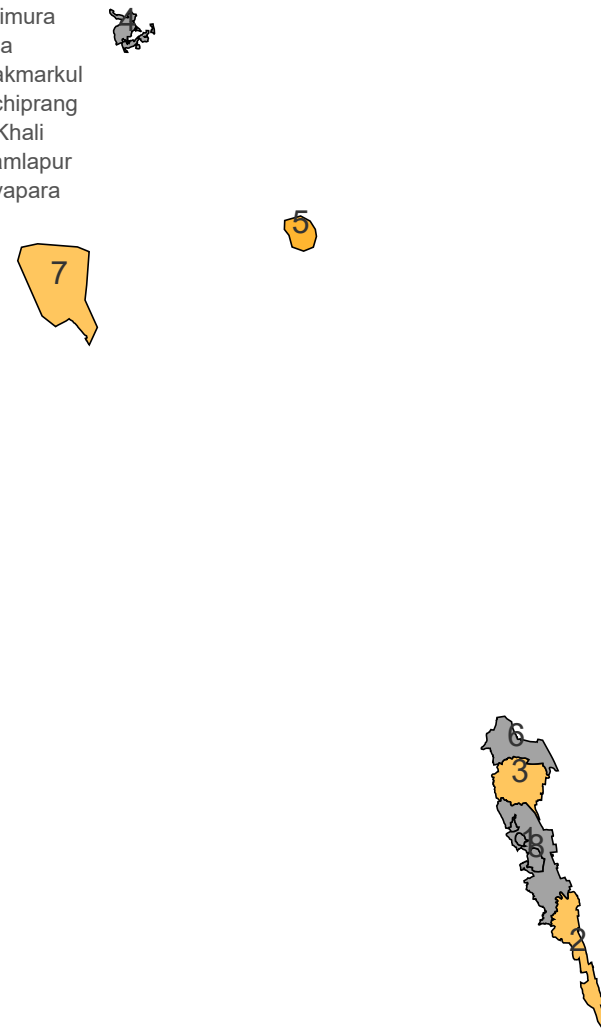


Table 10 | Performance by camp

Teknaf	W25		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	0	0%	15	100%
Camp 22 Unchiprang	3	100%	38	100%
Camp 23 Shamlapur	2	100%	15	100%
Camp 24 Leda	1	100%	39	100%
Camp 25 Ali Khali	0	0%	14	100%
Camp 26 Nayapara	0	0%	67	100%
Camp 27 Jadimura	1	100%	10	100%
Nayapara RC	0	0%	26	100%

Map 7 | Number of alerts by camp

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



of alerts



Table 11 | Performance by type of alert

Event	W25		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	3	100%
Measles	3	100%	216	100%
Bloody Diarr.	0	0%	0	0%
AFP	1	100%	7	100%
Meningitis	0	0%	23	100%
Haem. fever (susp.)	0	0%	5	100%
NNT	0	0%	1	100%
Unexp. fever	0	100%	75	100%
AWD	0	100%	158	100%
ARI	0	88%	125	99%
AJS	0	100%	19	100%
Varicella (Susp.)	0	100%	30	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	0	0%	118	100%

Table 12 | Risk assessment

W25	Cumulative (2021)	
0	18	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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World Health Organization
Cox's Bazar, Bangladesh
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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.

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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HEALTH SECTOR
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Global
EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W25 2021



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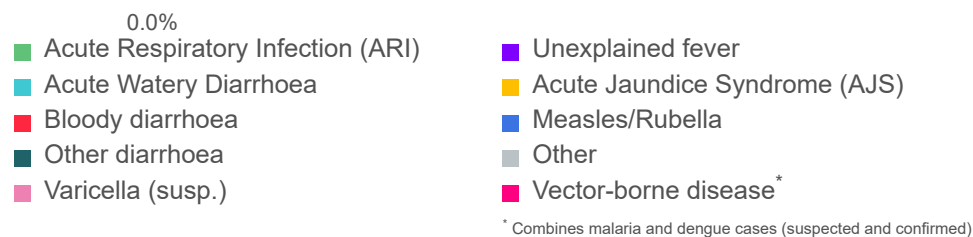
HEALTH SECTOR
COX'S BAZAR



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Proportional morbidity

Figure 1 | Proportional morbidity (W25 2021)



Disease	W25		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	3,377	4.2%	72,939	3.3%
Bloody diarr.	321	0.4%	8,761	0.4%
Other diarr.	1,021	1.3%	24,873	1.1%
Susp. Varicella	31	0.0%	3,307	0.2%
ARI	11,716	14.7%	392,177	18.0%
Measles/Rub.	6	0.0%	341	0.0%
AFP	0	0.0%	7	0.0%
Susp. menin.	1	0.0%	75	0.0%
AJS	16	0.0%	254	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.)	0	0.0%	11	0.0%
Malaria (susp.)	1,639	2.1%	18,813	0.9%
Dengue (conf.)	0	0.0%	3	0.0%
Dengue (susp.)	0	0.0%	29	0.0%
Unexpl. fever	1,229	1.5%	24,549	1.1%
Sev. Malnut.	47	0.1%	911	0.0%
Inj./Wounds	1,898	2.4%	58,002	2.7%
Other	58,281	73.2%	1,573,146	72.2%
Total	78,395	100%	2,179,399	100%

Trend in consultations and key diseases

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

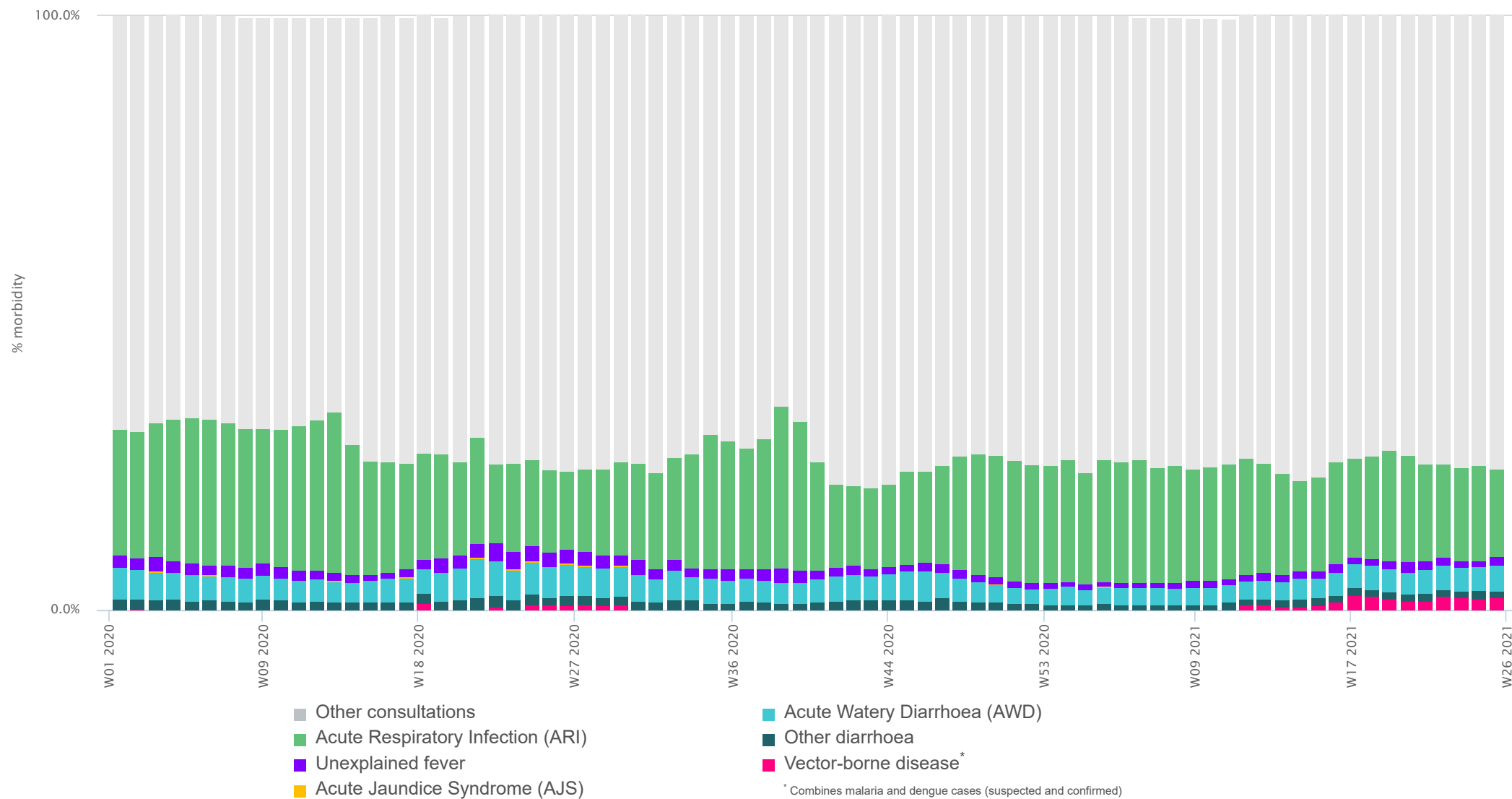
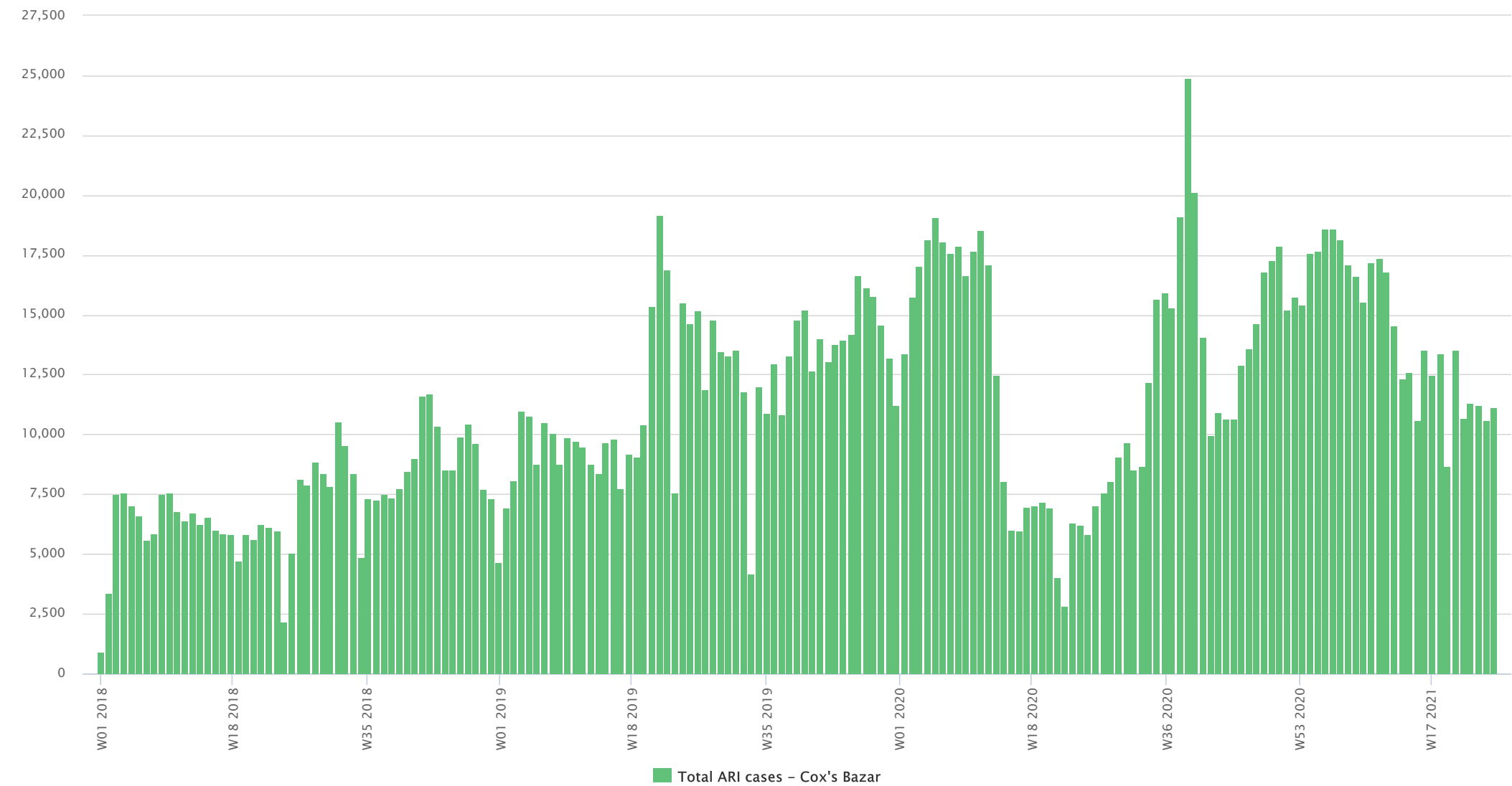
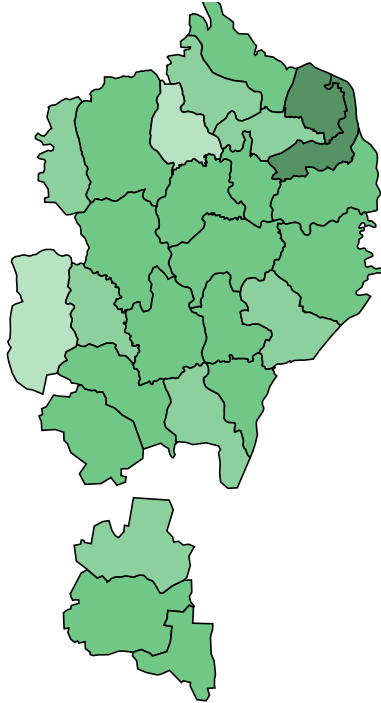


Figure 3 | Trend in number of cases over time (W38 2017 - W25 2021)

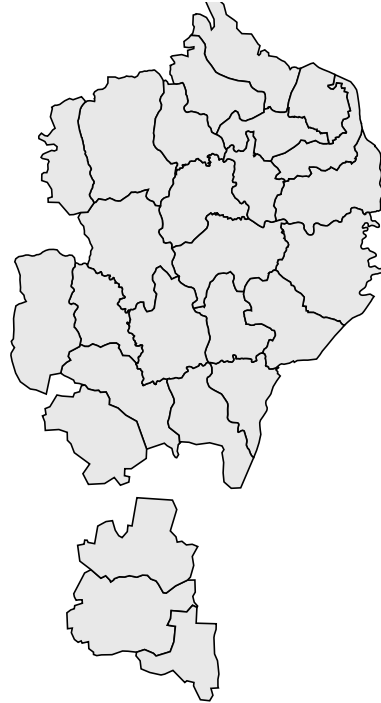


Map 1 | Map of cases by camp (W25 2021)

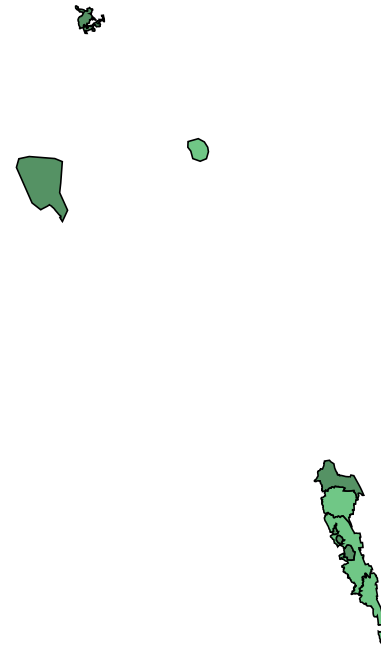
a. Ukhia | Number of cases



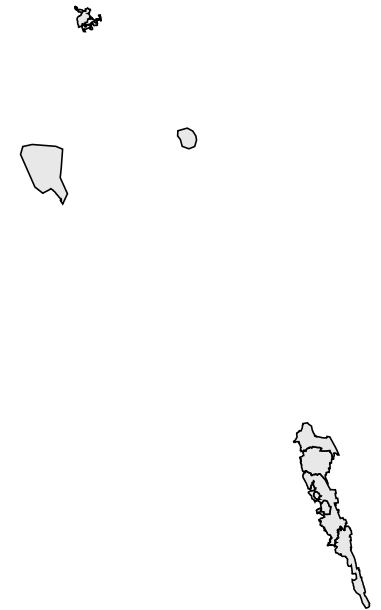
b. Ukhia | Number of alerts



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 (W25 2021)

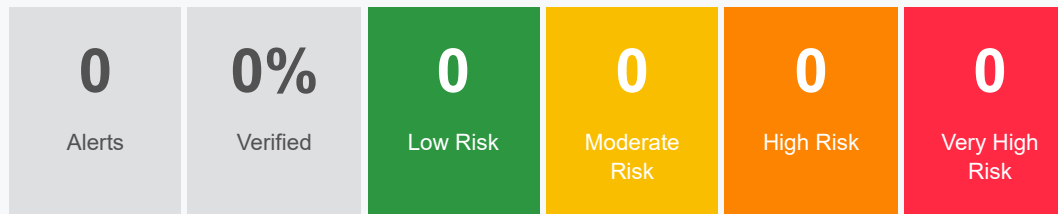
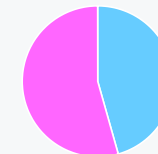


Figure | % sex



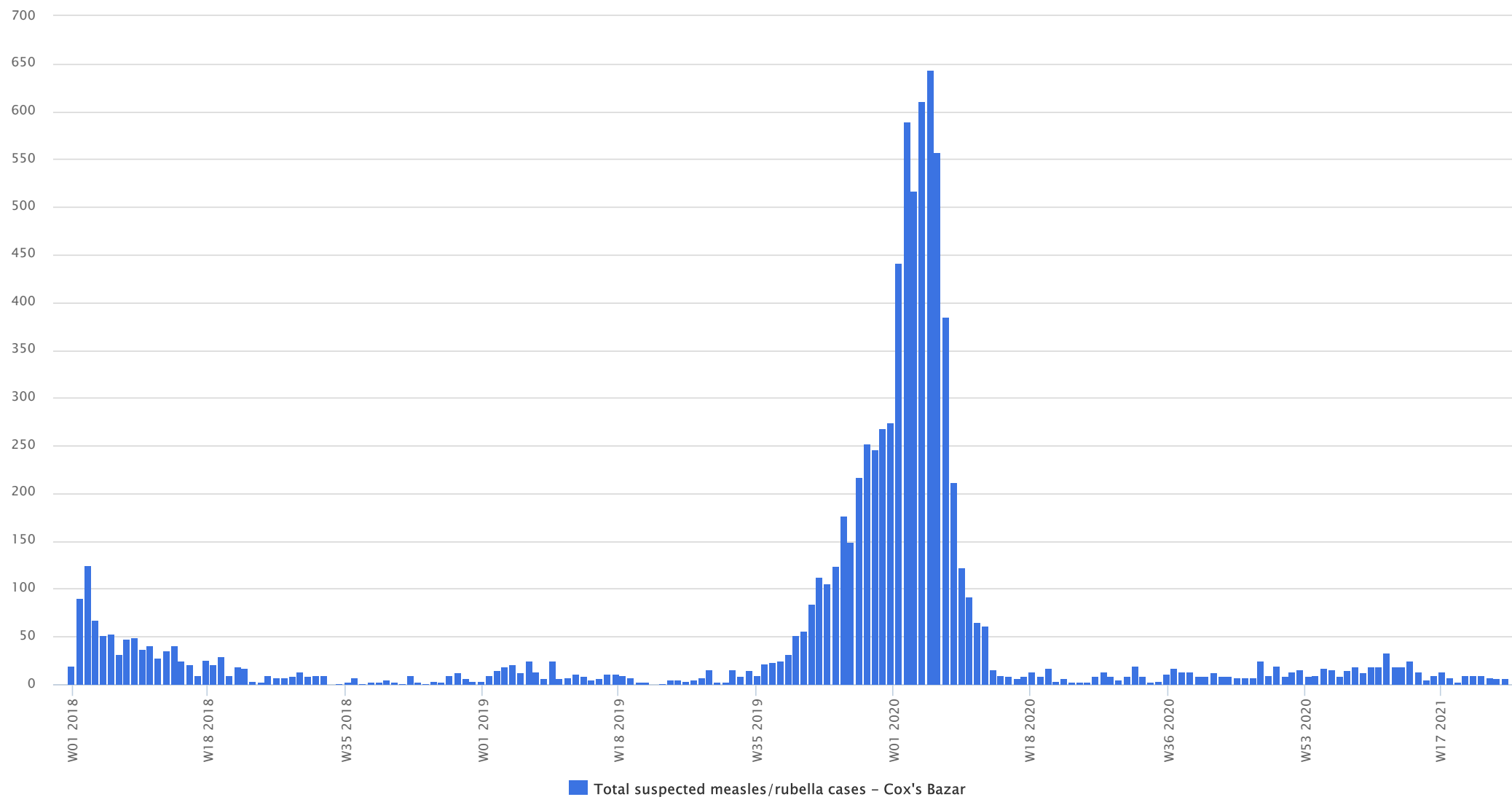
Male Female

Figure | % age



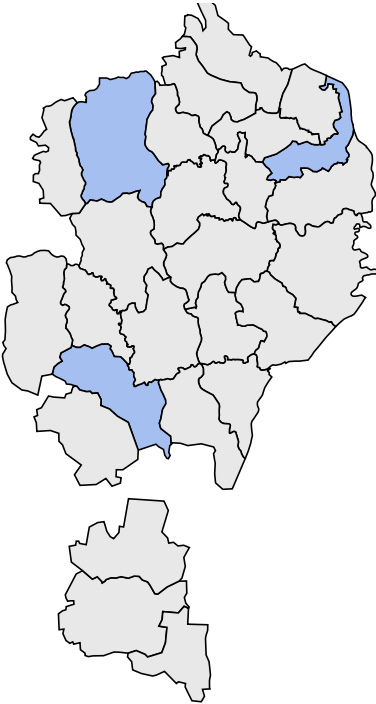
>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W25 2021)

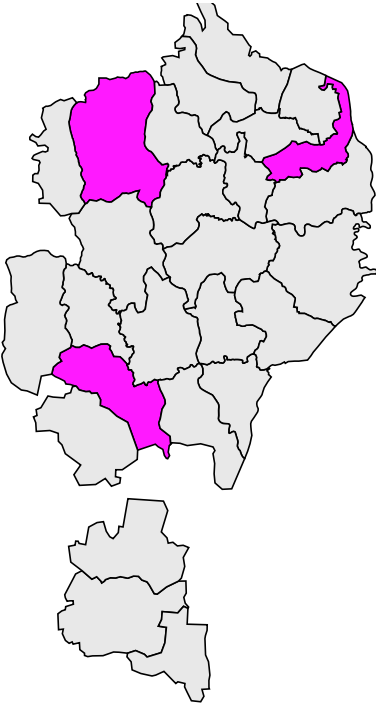


Map 2 | Map of cases by camp (W25 2021)

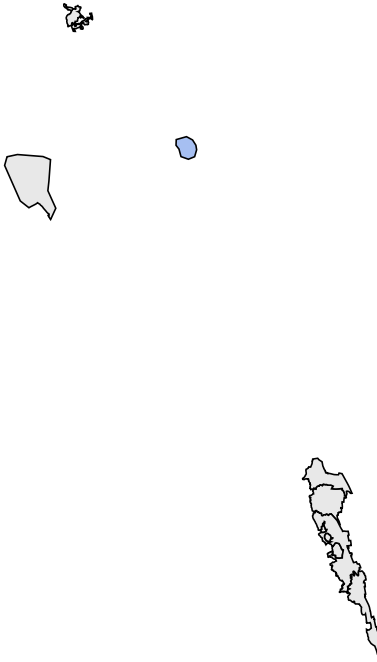
a. Ukhia | Number of cases



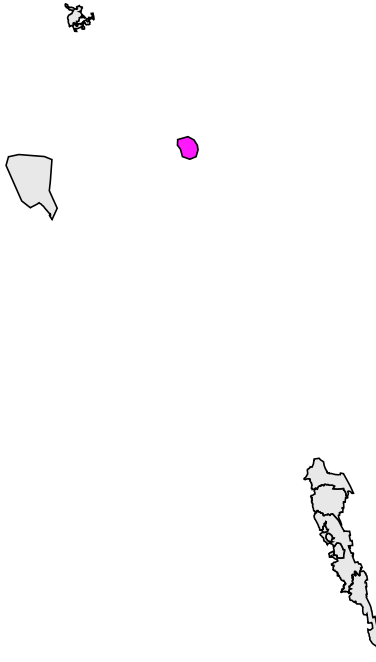
b. Ukhia | Number of alerts



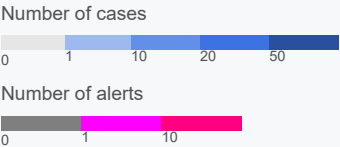
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W25 2021)

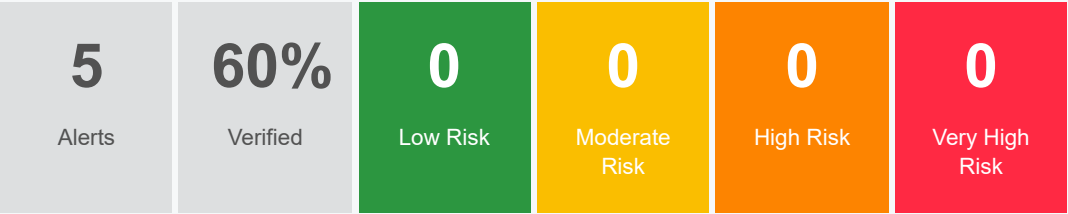


Figure | % sex

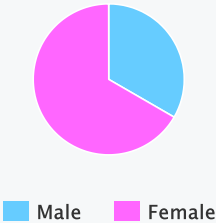


Figure | % age

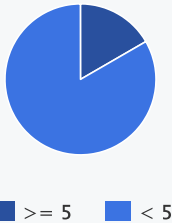
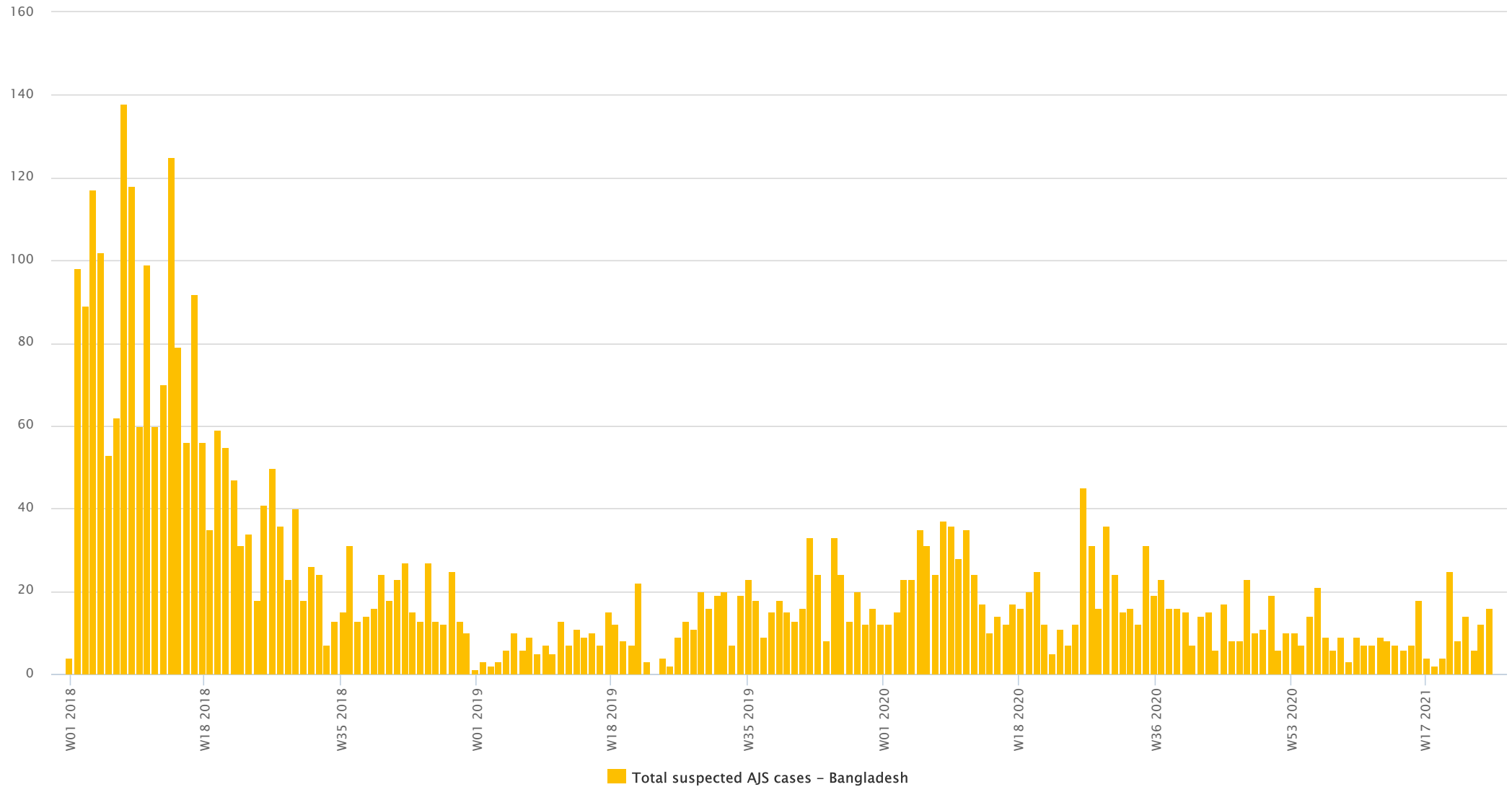
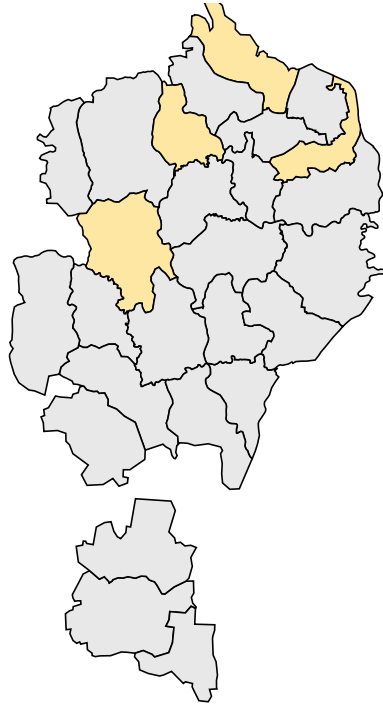


Figure 5 | Trend in number of cases over time (W38 2017 - W25 2021)

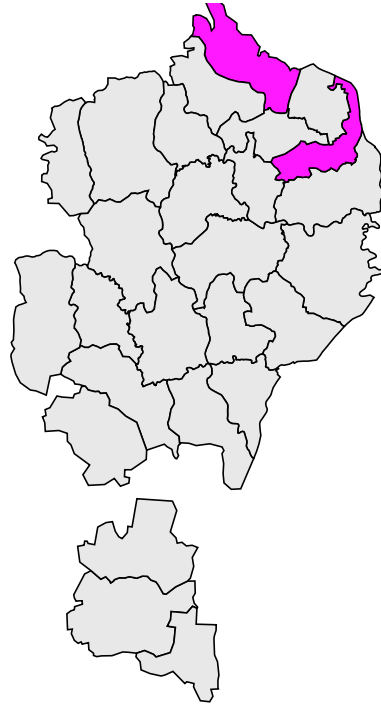


Map 3 | Map of cases by camp (W37 2017 - W25 2021)

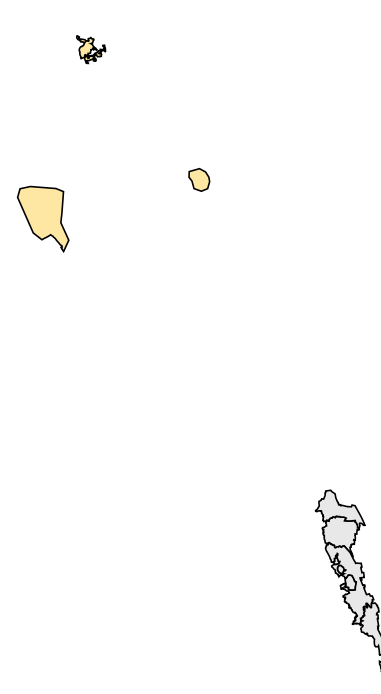
a. Ukhia | Number of cases



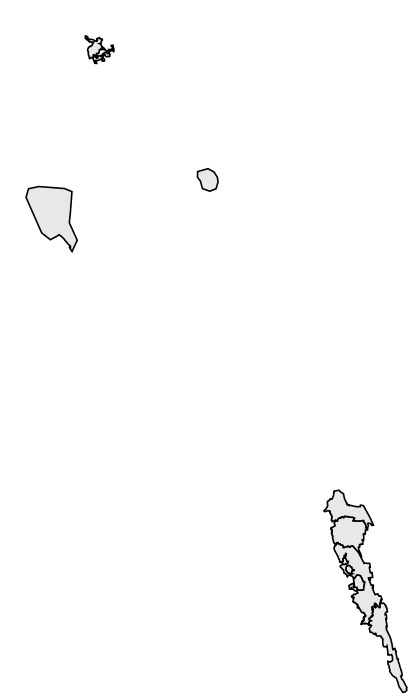
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

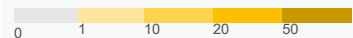


d. Teknaf | Number of alerts



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 (W25 2021)

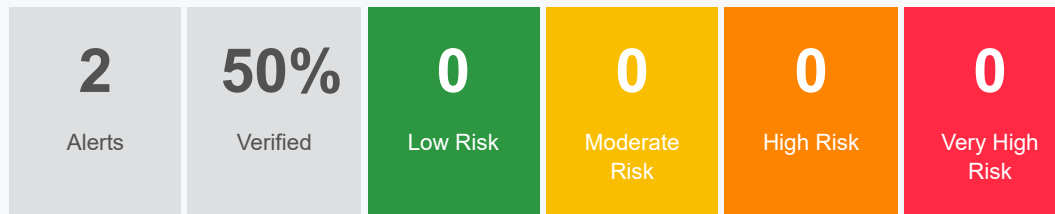


Figure | % sex

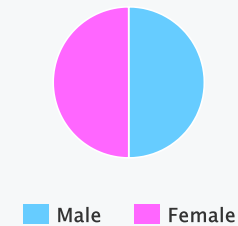


Figure | % age

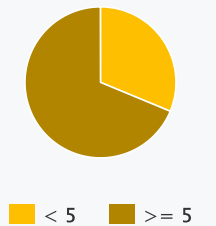


Figure 6 | Trend in number of cases over time (W38 2017 - W25 2021)

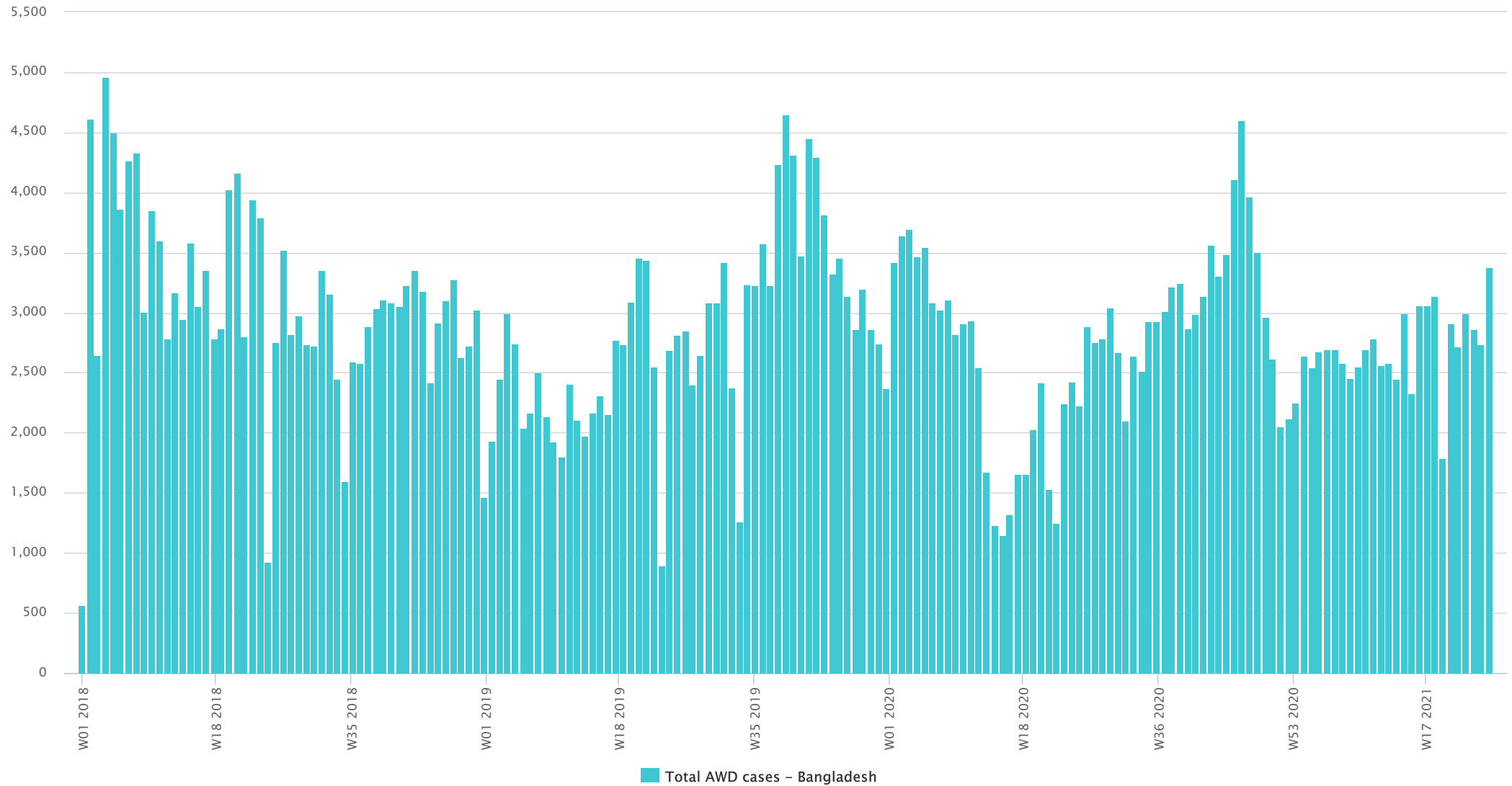
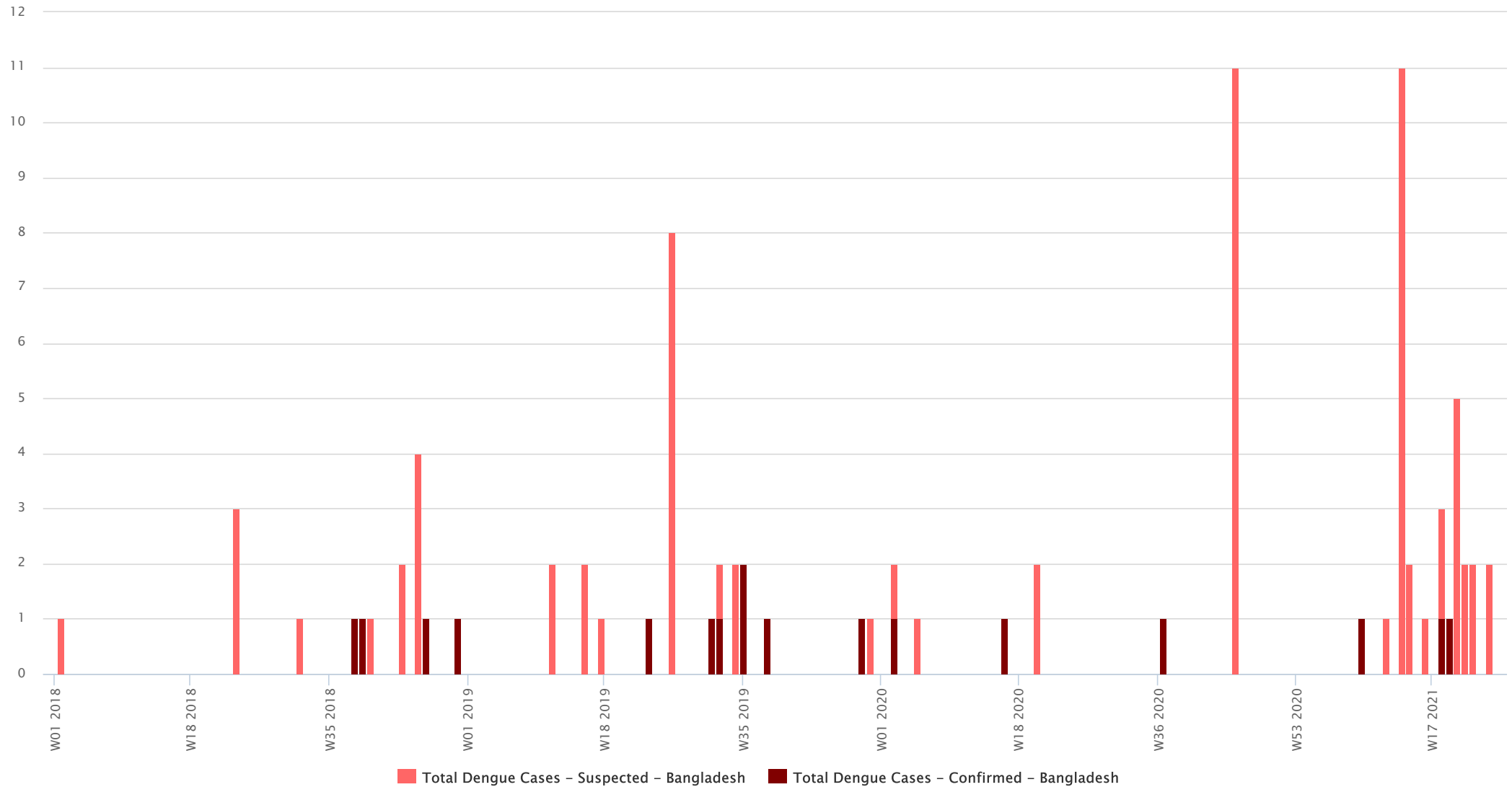


Figure 7 | Trend in number of cases over time (W38 2017 - W25 2021)



Map 4 | Map of cases by camp (W37 2017 - W25 2021)

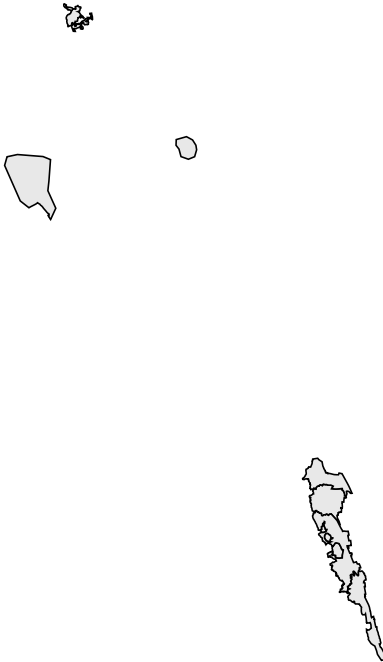
a. Ukhia | Number of cases



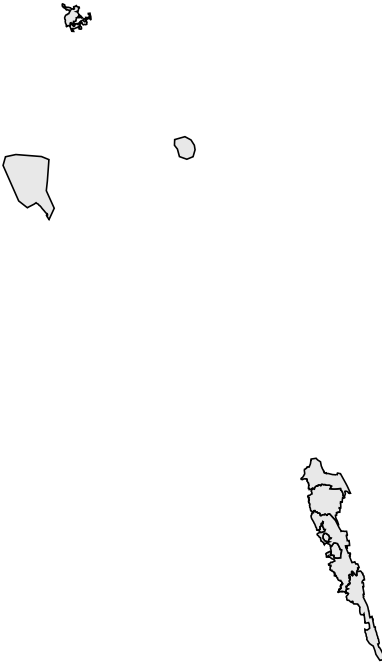
b. Ukhia | Number of alerts



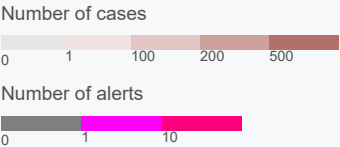
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W25 2021)

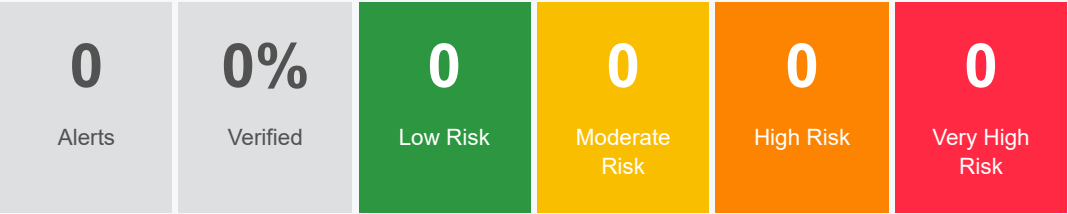


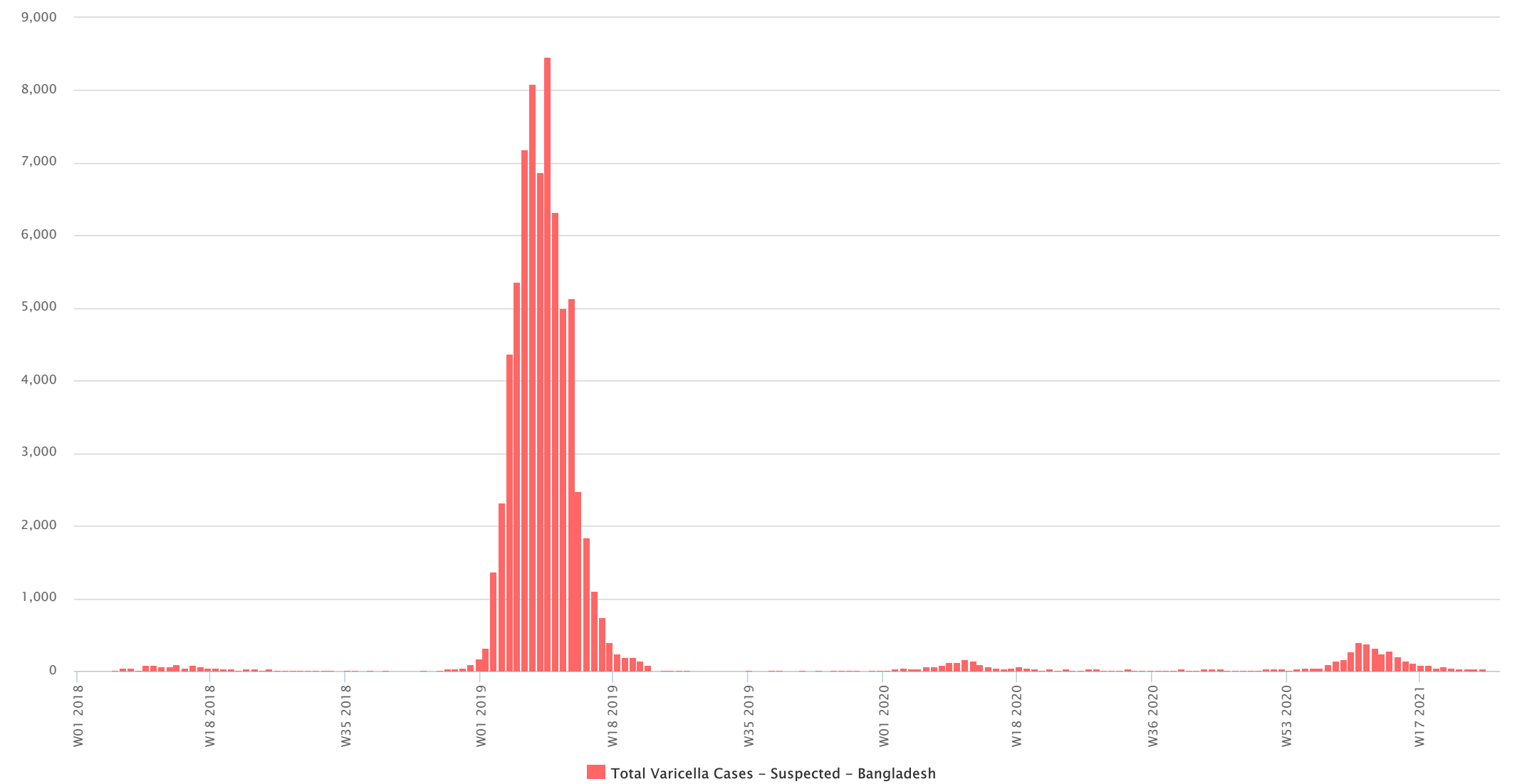
Figure | % sex

No data in chart

Figure | % age

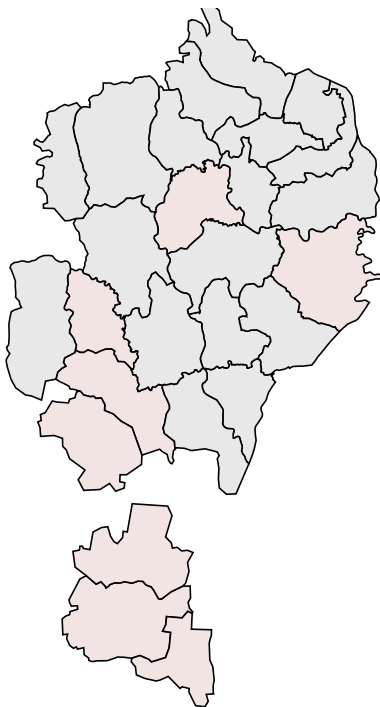
No data in chart

Figure 7 | Trend in number of cases over time (W38 2017 - W25 2021)

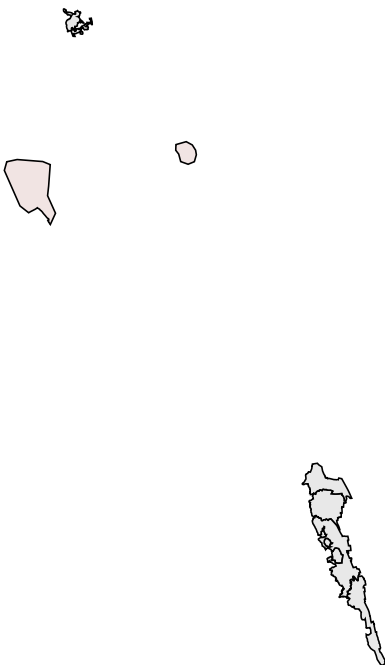


Map 4 | Map of cases by camp (W37 2017 - W25 2021)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

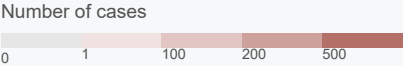


Figure | % sex

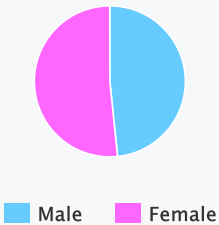
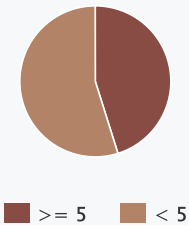


Figure | % age



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Notes

WHO and the Ministry of Health and Family Welfare gratefully acknowledge all partners who have reported the data used in this bulletin.

The data been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at <http://ewars-project.org>

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