



Epidemiological Highlights

Week 34 (23-29 Aug 2021)



**World Health
Organization**

Highlights: COVID-19

As of week 34, (23-29 Aug 2021) 58,861 cumulative samples have been tested and 2883 total confirmed cases of COVID-19 reported. The average test positivity rate now stand at 4.9%.

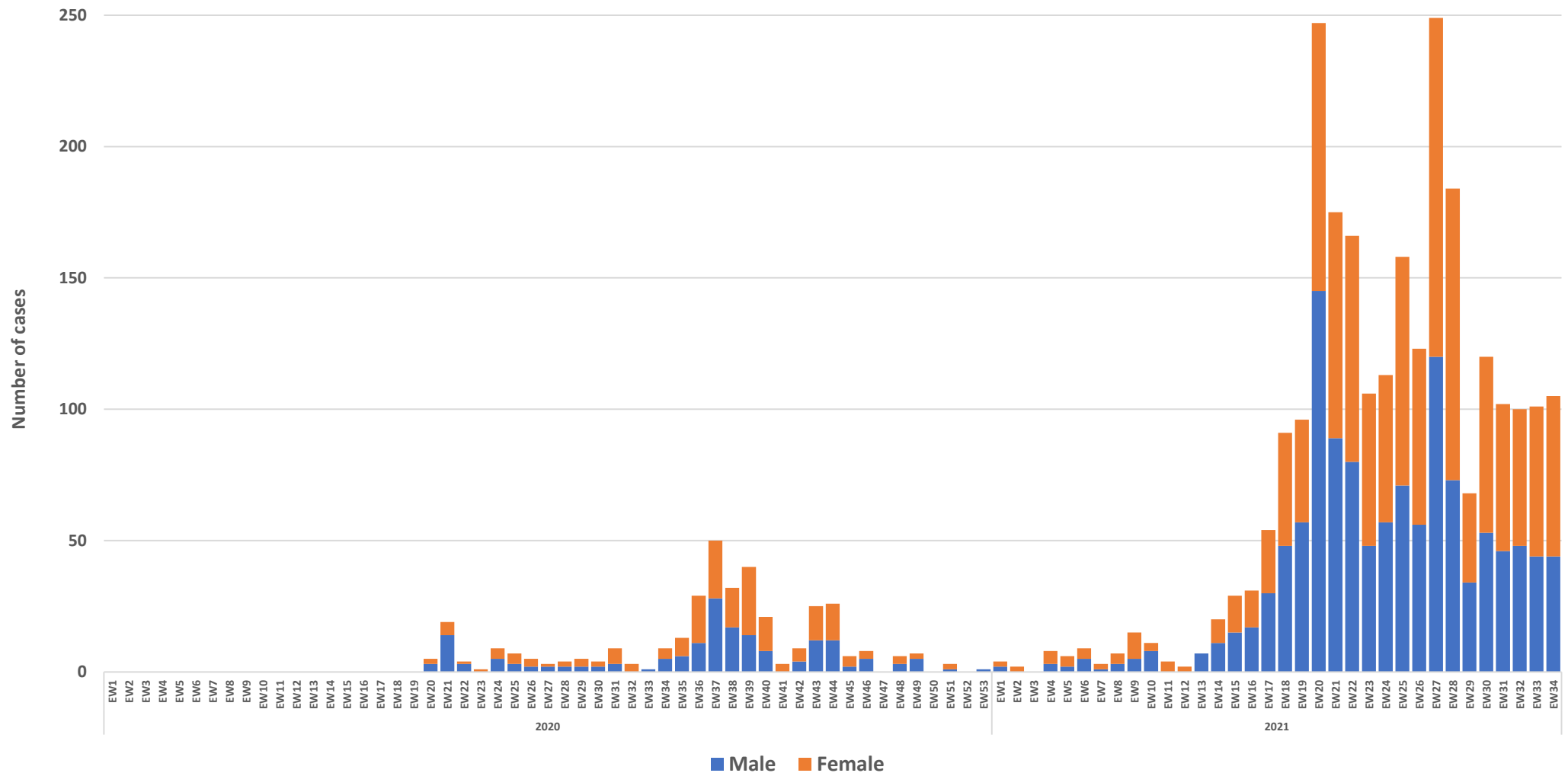
This week (week 34), 105 new confirmed cases detected out of 1,490 samples tested and weekly test positivity rate was 7.0%.

As of this week (week 34)

- Median age of tested and confirmed cases is 11 (0-120) and 21 (0-100) years
- Female among tested and confirmed cases is 54% and 52%
- All 34/34 camps have confirmed cases (C3-179, C24-174, C2W-160, C15-154 and C17-152)
- A total of 30 deaths from COVID-19 with the case fatality rate 1.0%
- Cases per million in last 7 days 122.1, change in last 7 days 4%

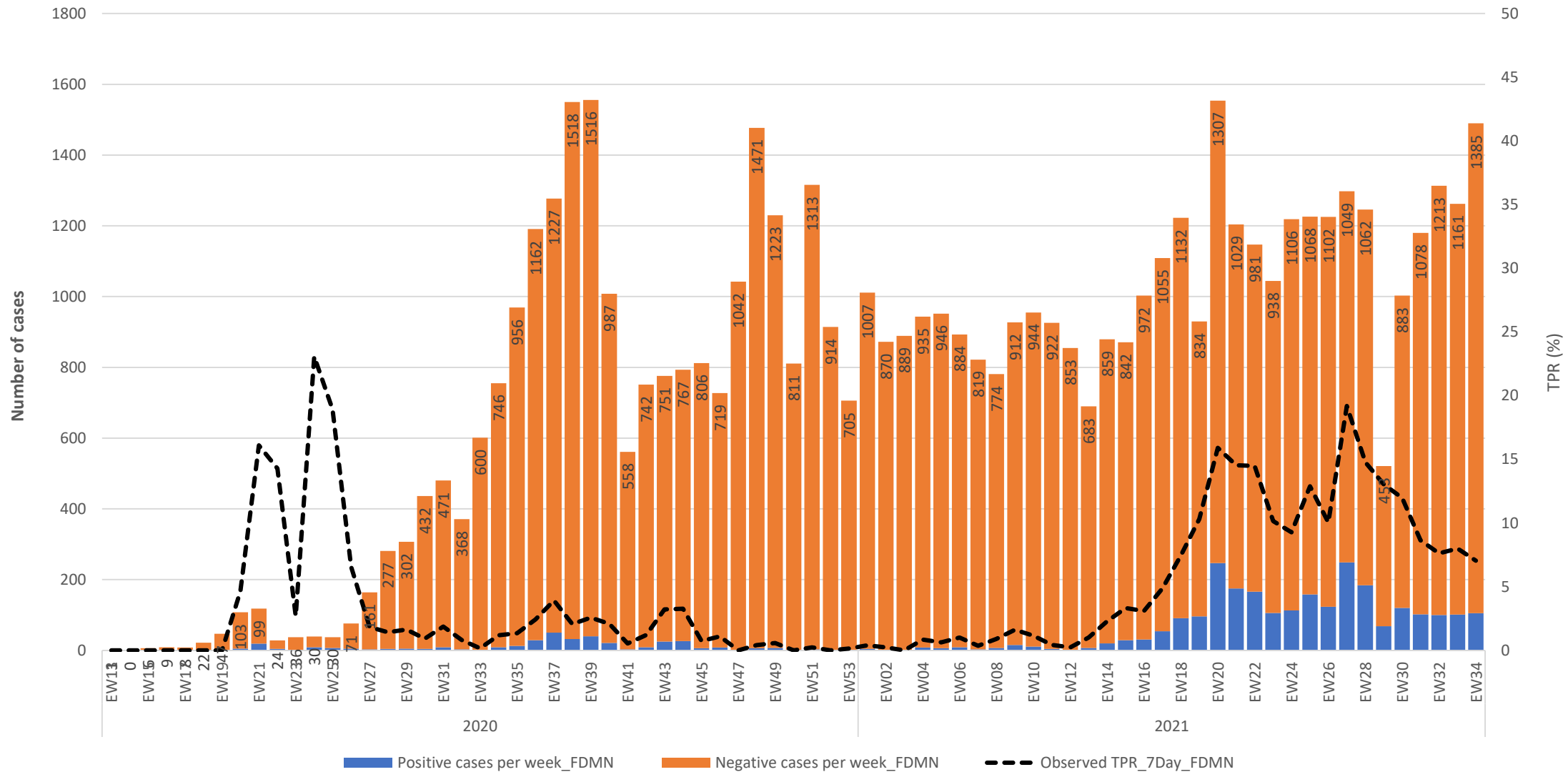
Highlights: COVID-19

COVID-19 positive cases (n=2,883) by epidemiological week by date of test

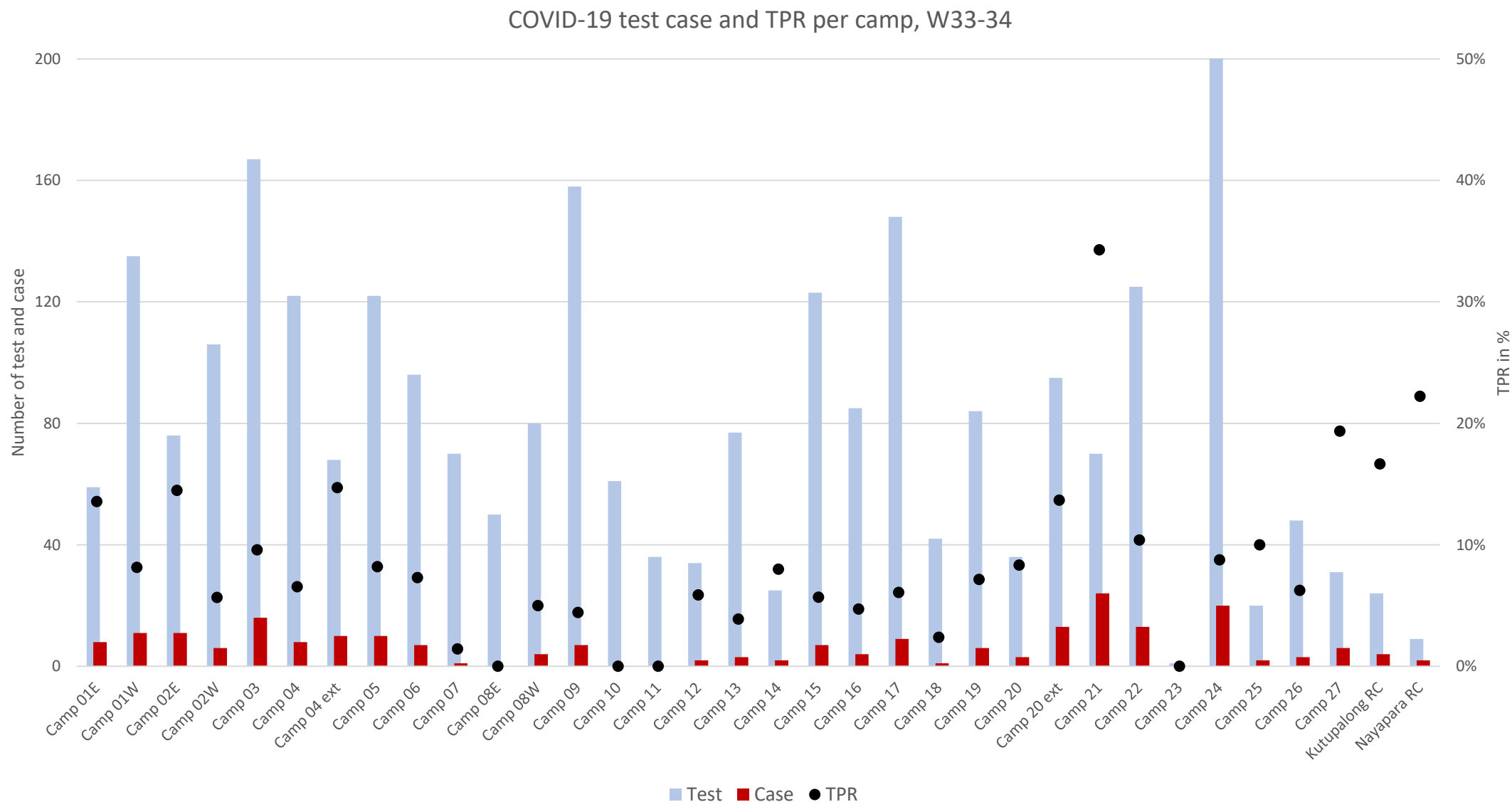


Highlights: COVID-19

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

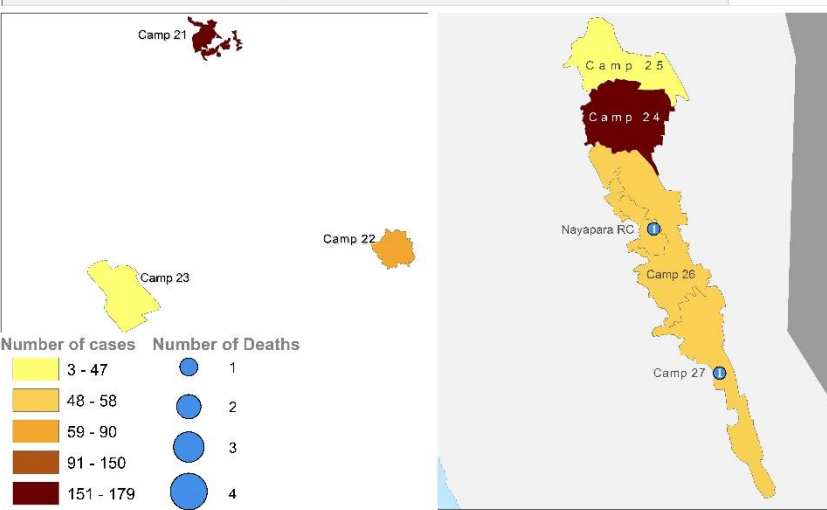
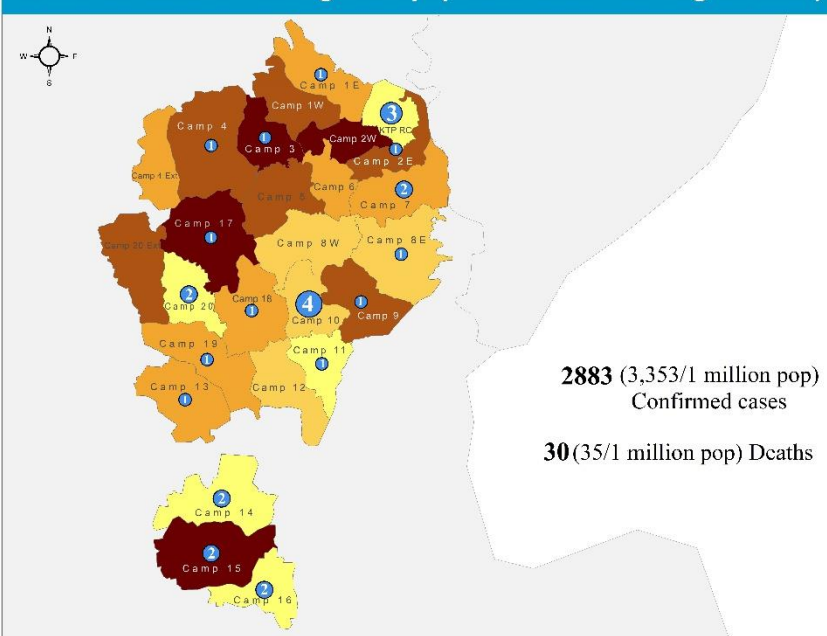


Highlights: COVID-19

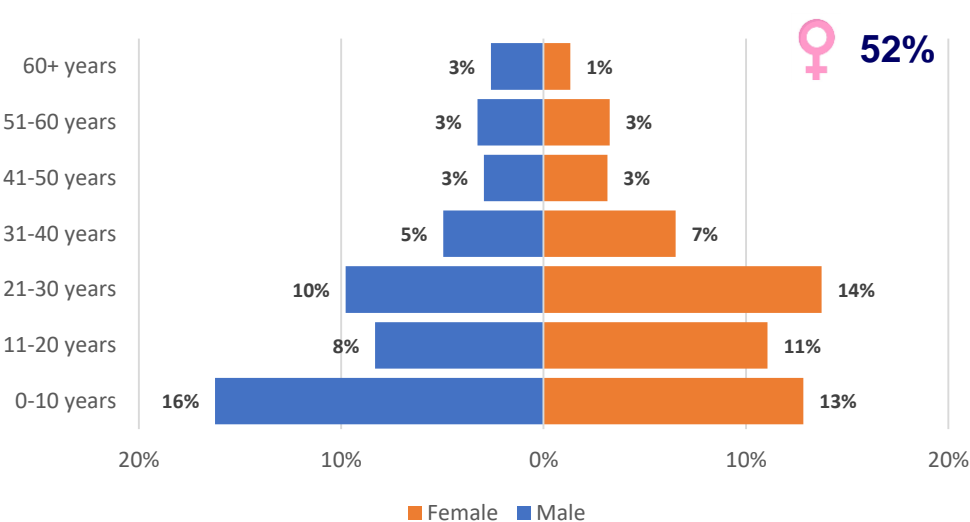


Highlights: COVID-19

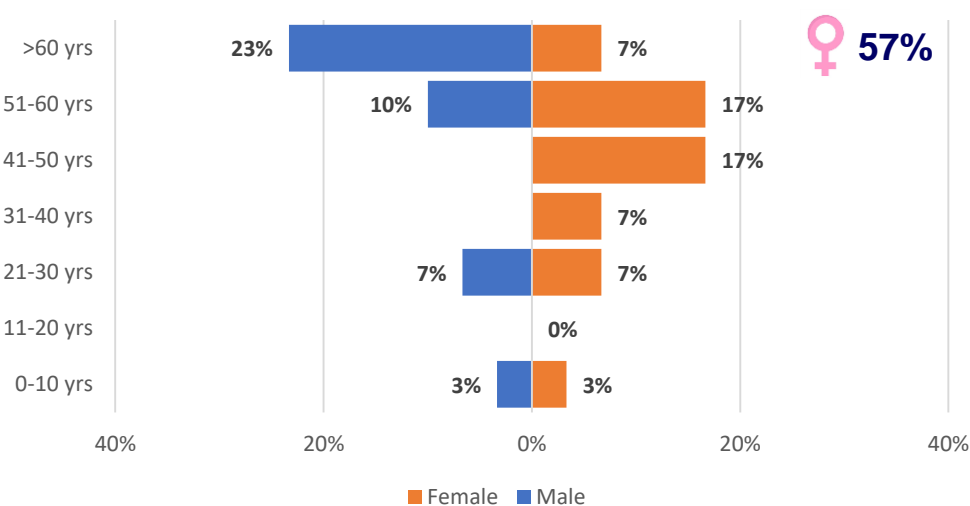
COVID-19 Cases in Rohingya Camps(March 2020 - 29 August 2021)



Age and sex distribution (%) (n=2,883)

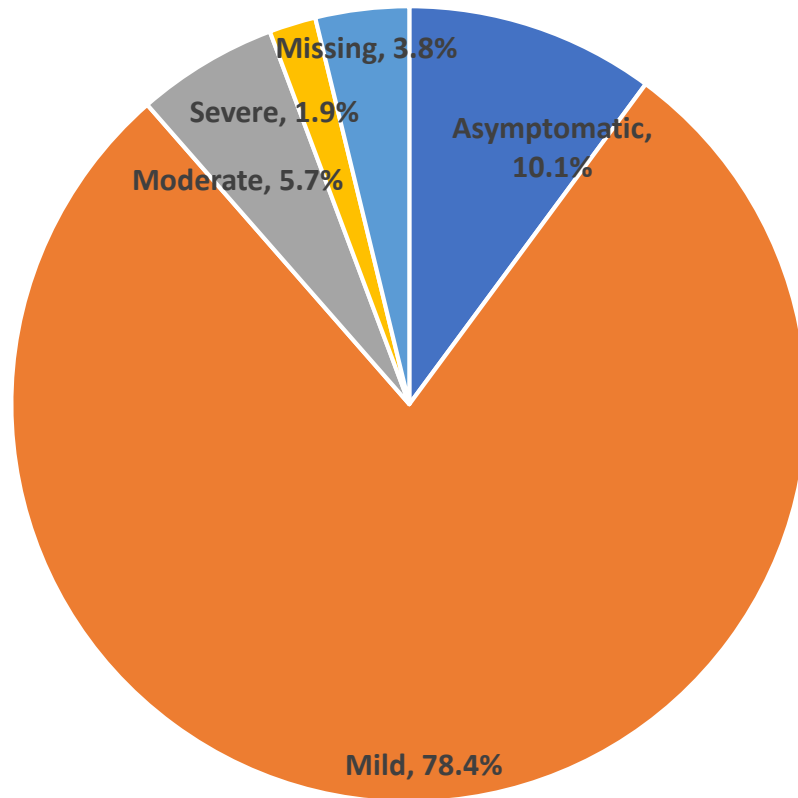


Death reported by age and sex (%) (n=30)

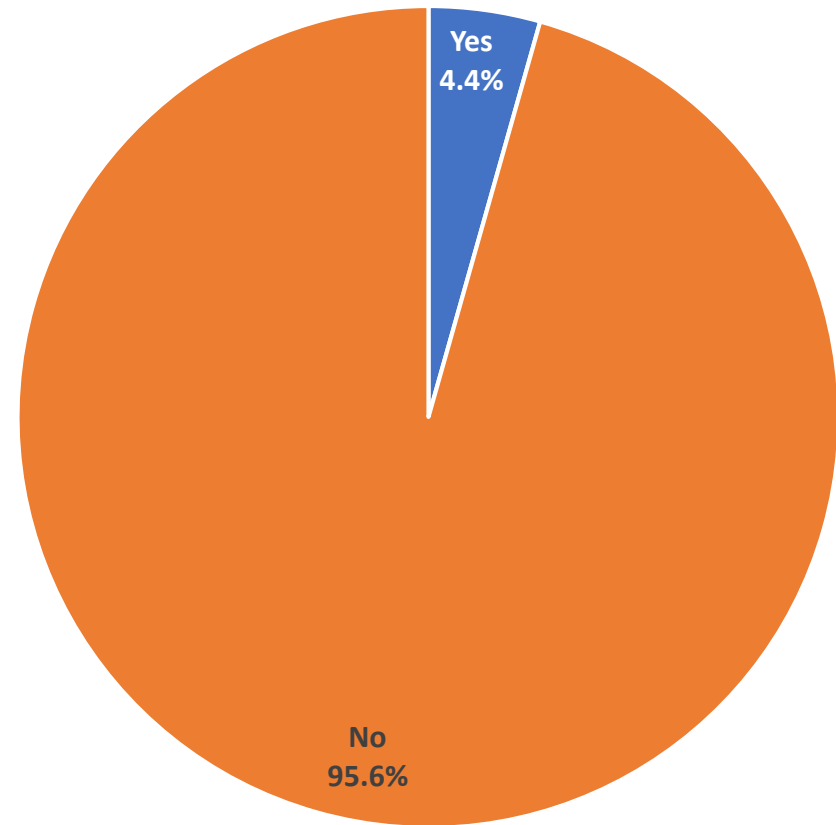


Highlights: COVID-19

Severity of reported cases at presentation (n=2,653)



Did the case report at least 1 co-morbidity (n=2,653)



Source: Go.Data

Highlights: COVID-19 Contact Tracing

- Total 2,653 (out of 2,883) 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 6,227 contacts registered in the Go.Data for follow up, out of 9,678 contact identified through field investigation by RIRT.
- 3,526 (57%) contacts successfully completed the follow up.
- Two hundred and eighty-three (8.0%) contacts became tested positive for COVID-19 during the incubation period.

EWARS Reporting Updates

- Total 172 health facilities registered in EWARS
- Only 129/172 weekly reports received on time in week 34
- Fifty-four (54) alerts were triggered in week 34
- 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 (57 in week 33).

Highlights:

- Acute Respiratory Infection (15.1%), Diarrheal Diseases (4.8%) & Unexplained Fever (0.9%) are the diseases with highest proportional morbidity in week 34.
- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - One hundred thirty (130) 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

Two (2) suspected diphtheria case was reported in go.data in week 34

A total of 9 299 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 803
- Suspected = 6 153

Total case reported in 2021 = 113

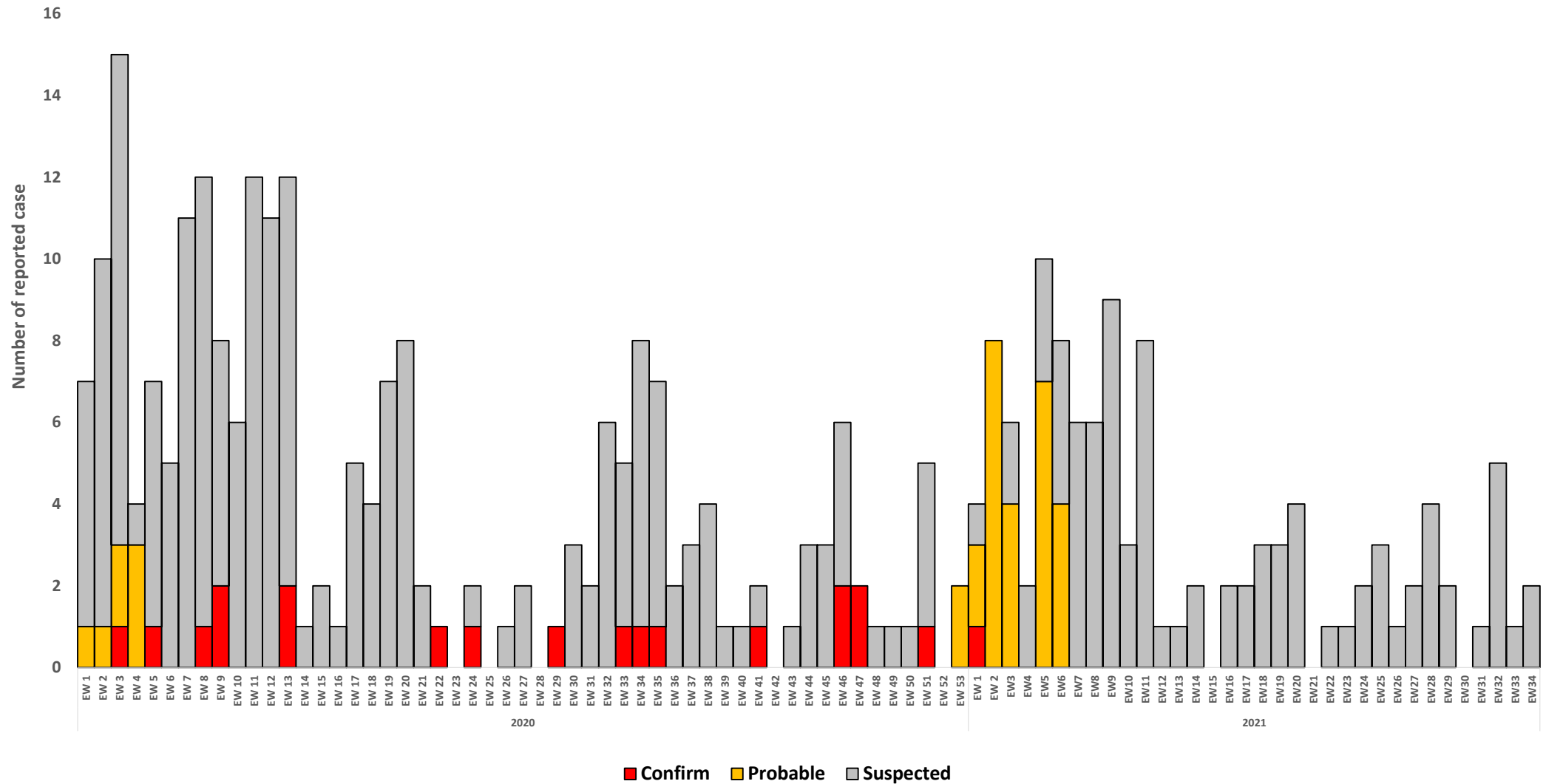
- Confirmed = 1
- Probable = 25
- Suspected = 87

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

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

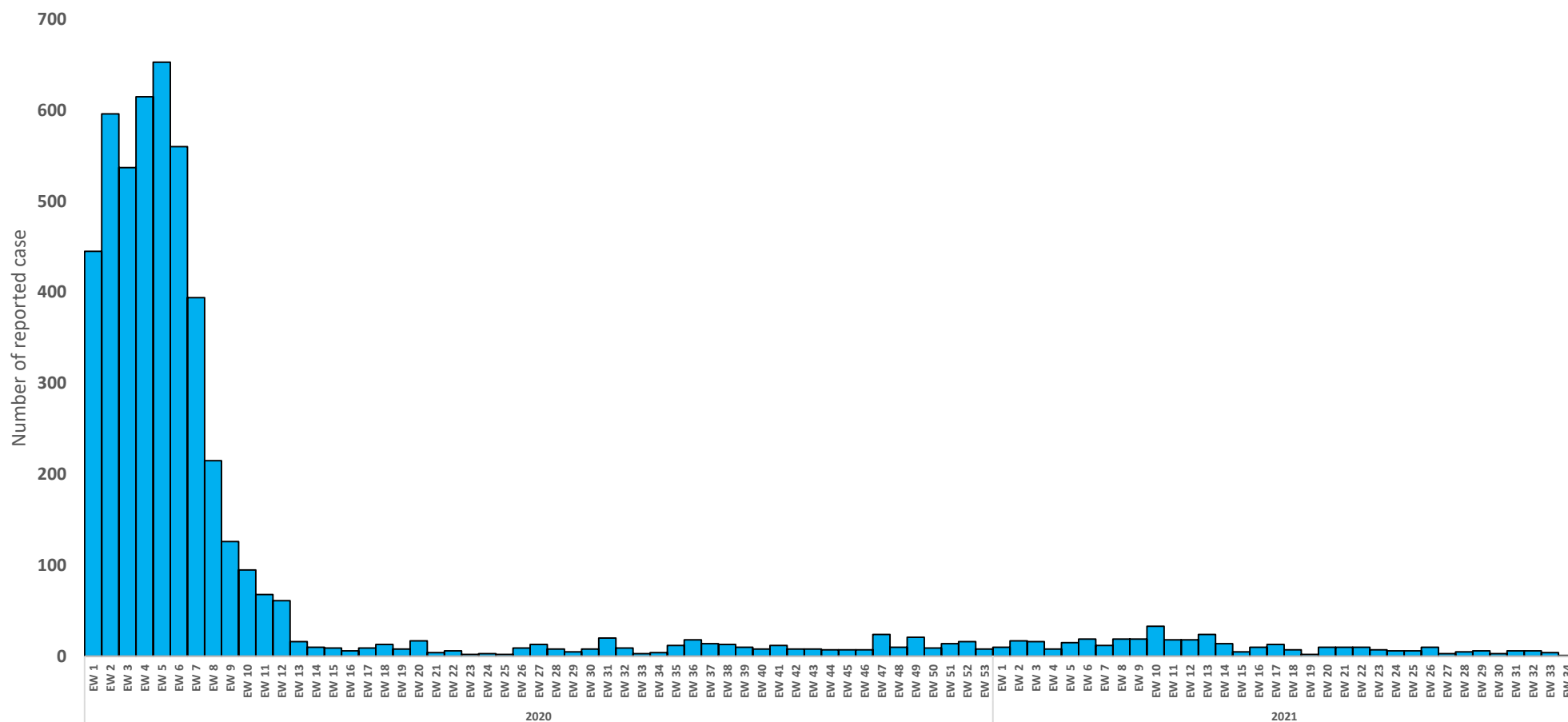
Diphtheria

Total number of diphtheria case reported in EWARS from 2020-2021 W34



Measles

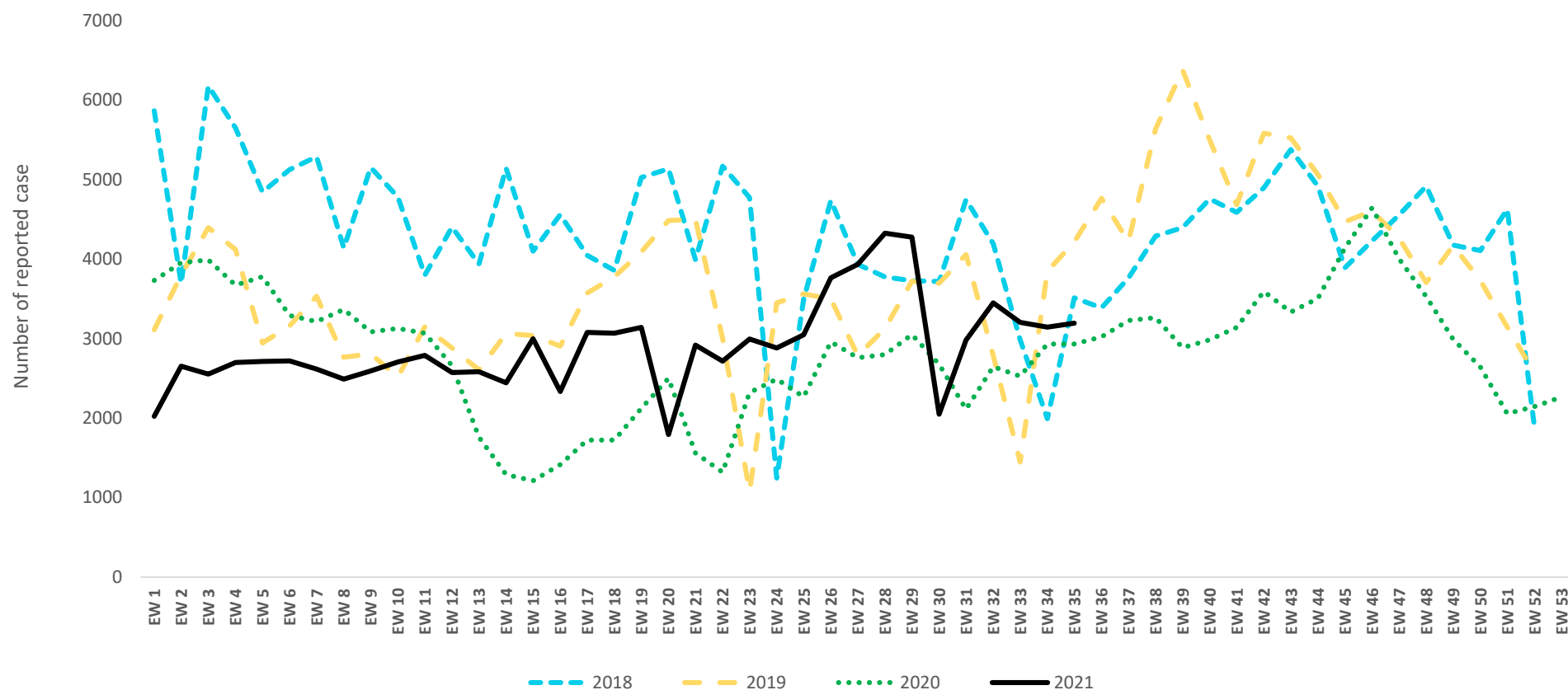
Total number of Measles case reported in EWARS from 2020- 2021 W34



In week 34, 1 suspected measles cases were reported through weekly reporting make 372 cases in total in 2021. Out of those 274 cases (73%) reported through case-based reporting and samples collected for laboratory confirmation.

Diarrhoeal Disease

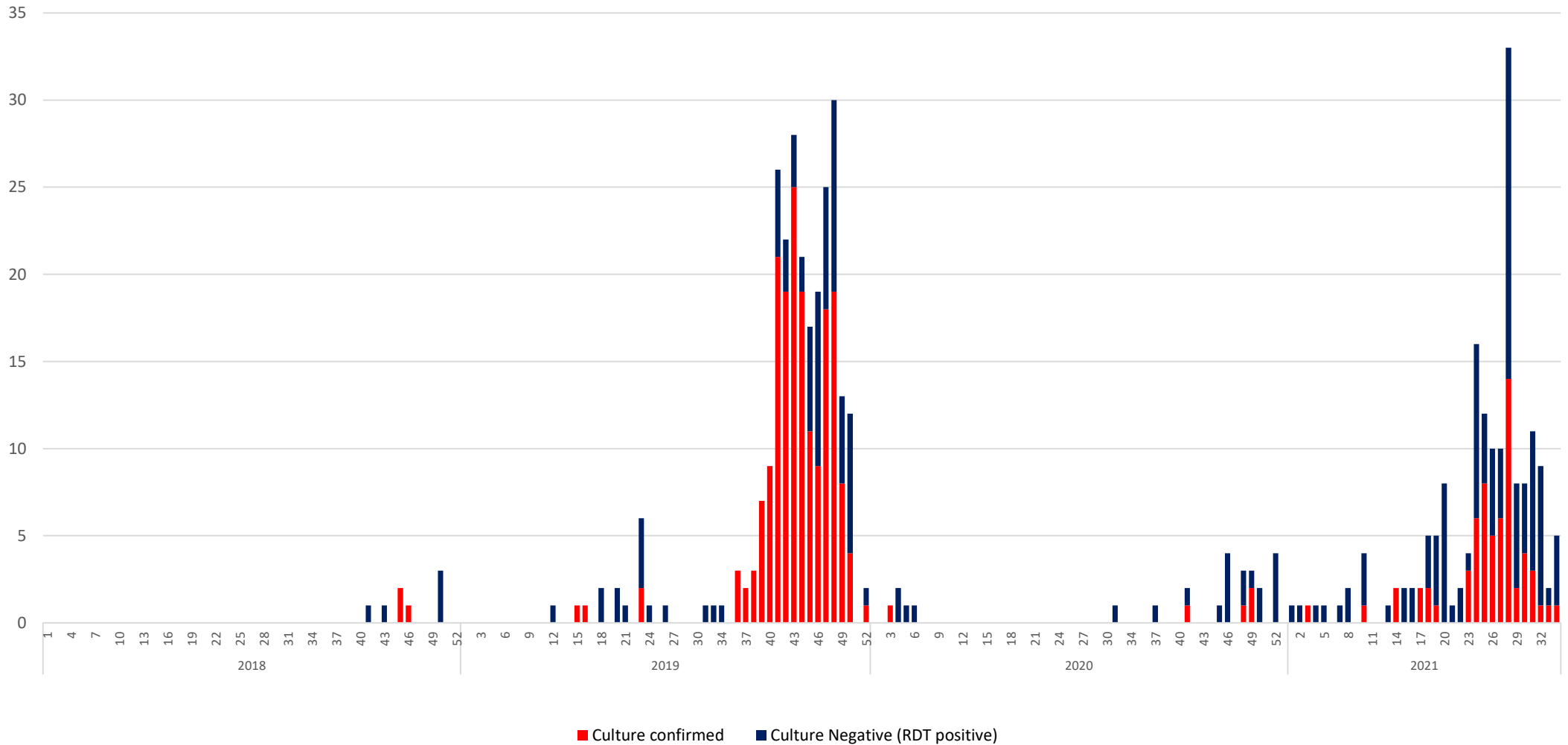
Total number of AWD case reported in EWARS from 2018-2021 W34



- A total of 3,835 cases of diarrhoeal diseases reported in EWARS in week 34.
- Among which 2,559 cases (3.2%) reported as acute watery diarrhoea (AWD), remaining 976 (1.2%) and 300 (0.4%) cases as other and bloody diarrhea, respectively out of all types of morbidities.

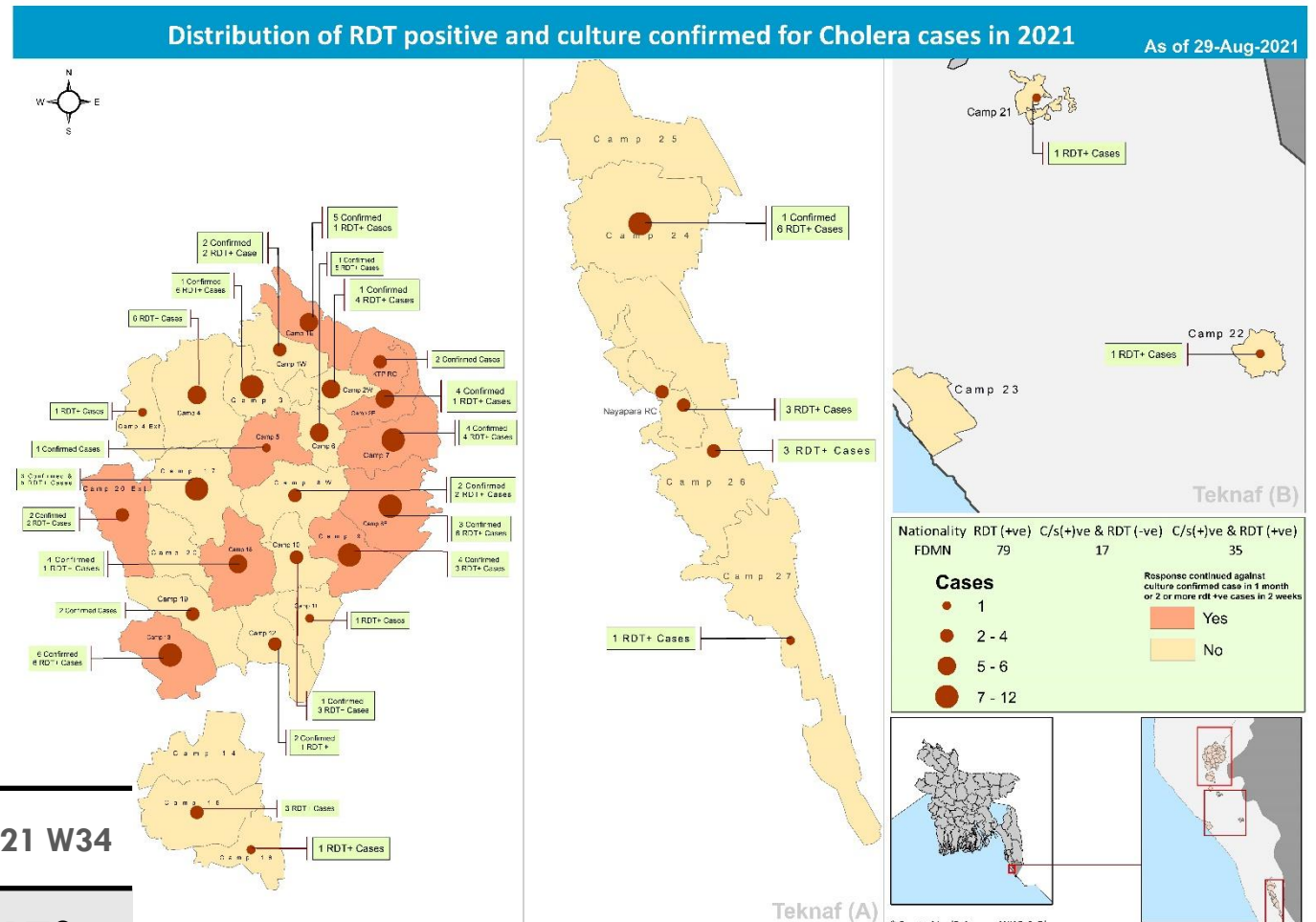
Cholera Surveillance

RDT positive & culture confirmed cholera cases, 2018-21



Cholera Surveillance

- Total one hundred seventy (170) Cholera RDT positive/culture cases reported as of W34 2021. Out of those 63 were confirmed by culture, 86 discarded and remaining results 21 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 W34

RDT positive/culture confirmed for Cholera 49 258 28 170

Culture confirmed for Cholera 7 184 5* 63

*3 culture confirmed cases were RDT negative in 2020

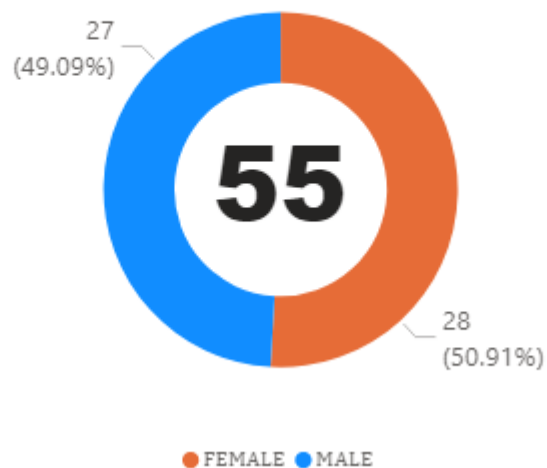
Community-based Mortality surveillance

In week 34, 55 deaths were recorded –

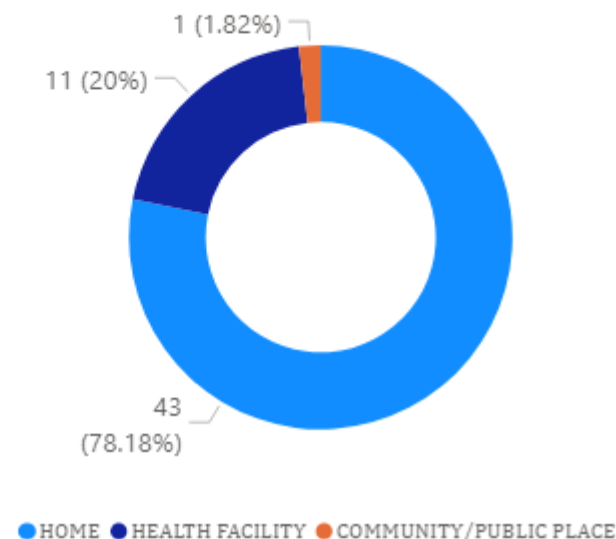
- 66% (n=36) were due to causes classified as “Others”
 - 9% (n=5) as still birth (Born Dead)
 - 9% (n=5) as neonatal death
 - 5% (n=3) as infectious disease
 - 4% (n=2) as severe acute respiratory tract infection
 - 2% (n=1) as injury
 - 5% (n=3) as maternal death
-
- Out of reported deaths, 20% occurred in health facilities and 78.1% at homes and 1.8% at community/public place.
 - Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

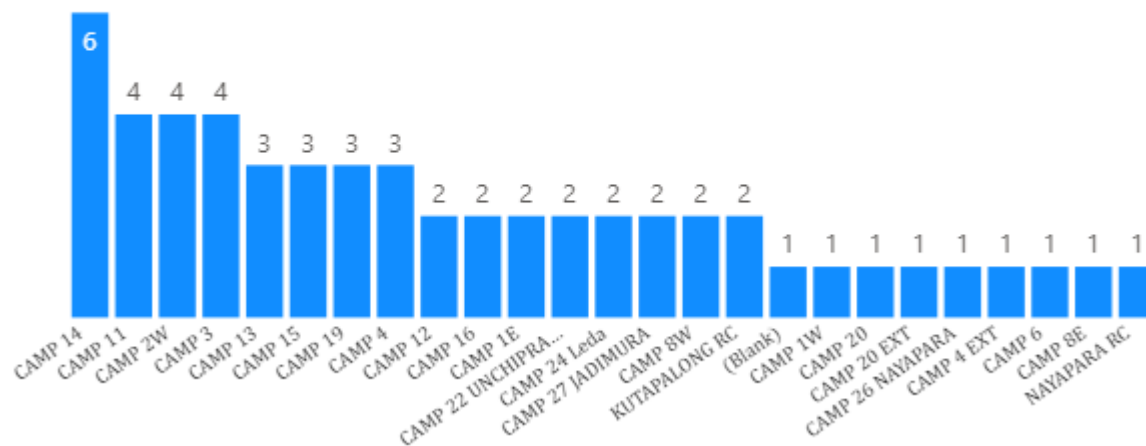
Gender distribution



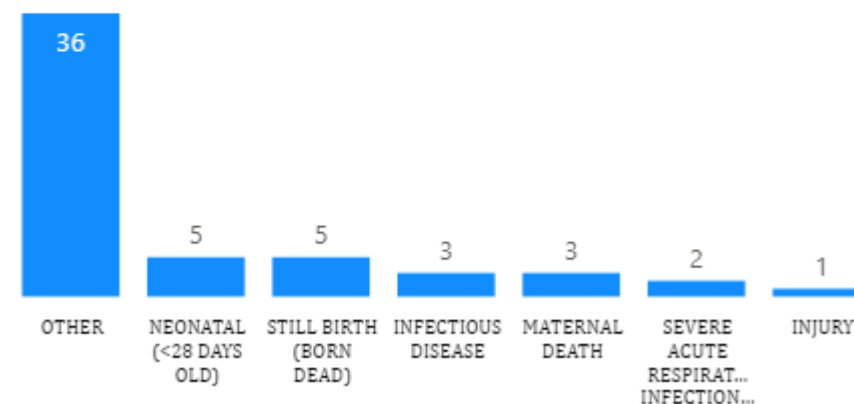
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W34 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 W34 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

W34	Cumulative (2021)	
129	5486	Number of weekly reports received
75%	91%	Completeness
75%	85%	Timeliness

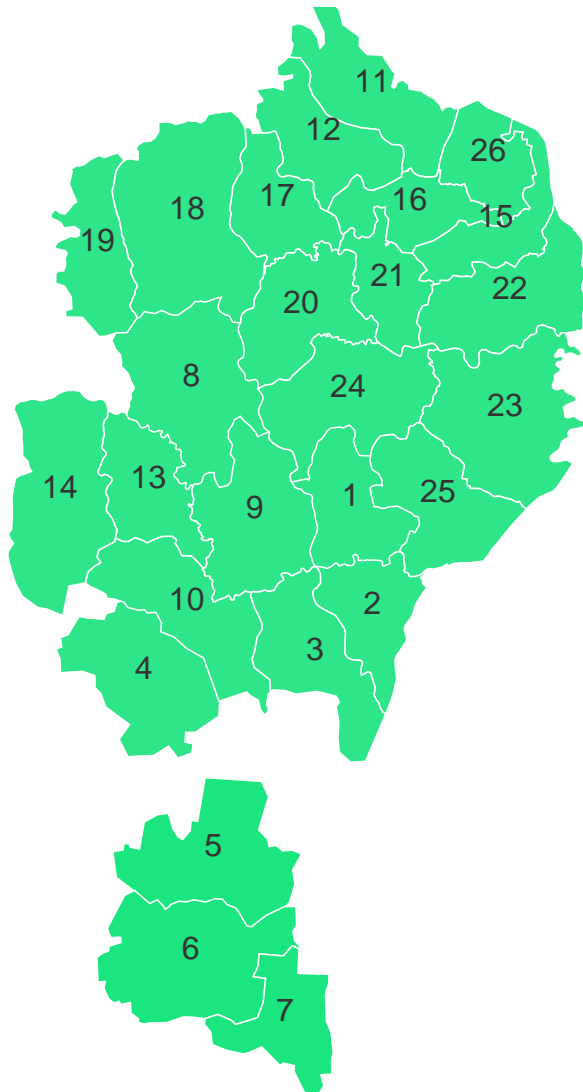
Table 3 | Alert performance indicators

W34	Cumulative (2021)	
54	2,227	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	1%	% undergoing risk assessment
0%	1%	% completed risk assessment

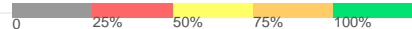
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

Map 1a | Ukhia completeness by camp

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

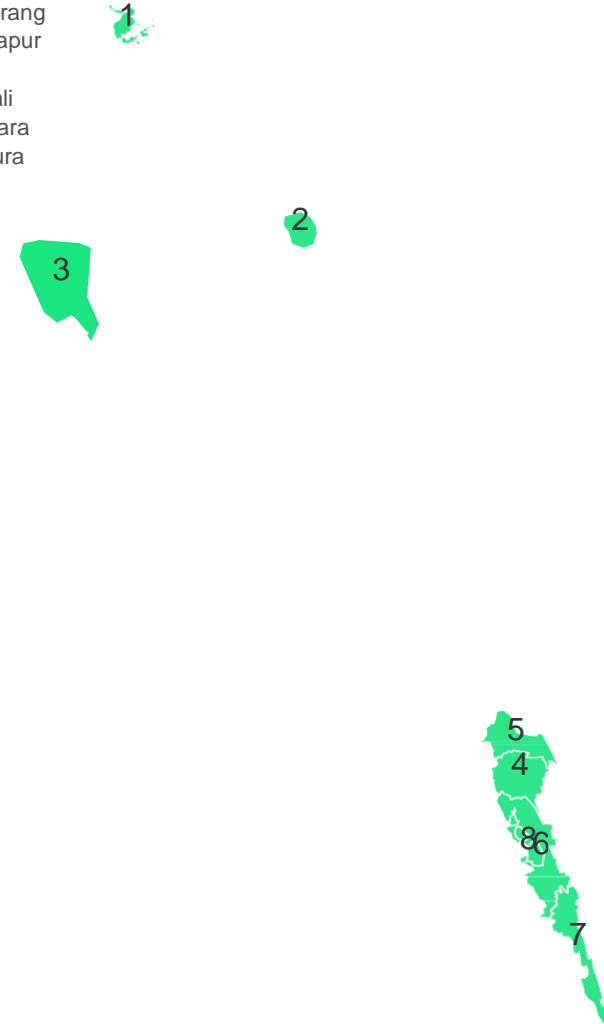


Completeness



Map 1b | Teknaf completeness by camp

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



Completeness

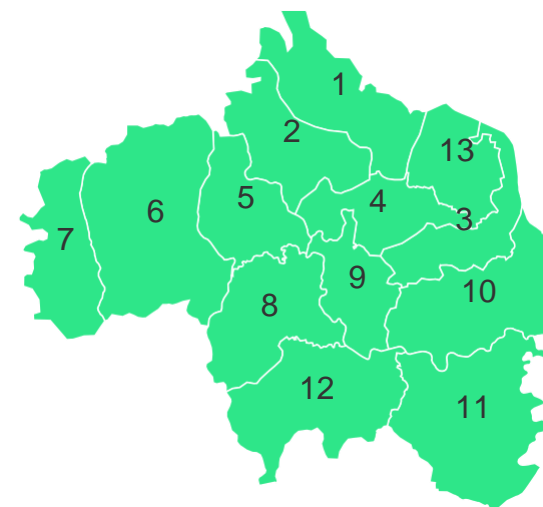


Table 4 | Performance by camp (W34 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	4	100%	100%
Camp 1W	4	4	100%	75%
Camp 2E	3	3	100%	67%
Camp 2W	4	4	100%	75%
Camp 3	6	6	100%	100%
Camp 4	6	6	100%	83%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	2	3	100%	100%
Camp 7	5	4	80%	80%
Camp 8E	8	8	100%	88%
Camp 8W	4	4	100%	100%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp

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



Completeness



Table 5 | Performance by camp (W34 2021)

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

Map 3 | Completeness by camp

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

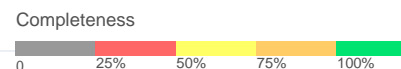
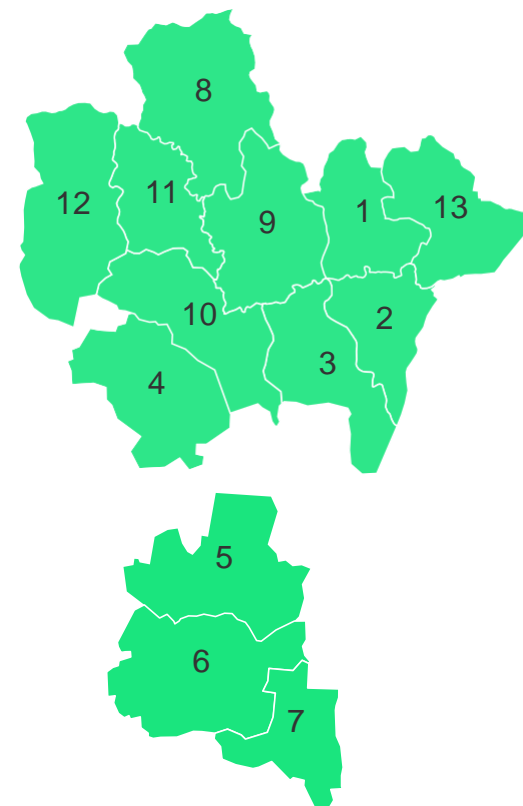


Table 6 | Performance by camp (W34 2021)

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%	67%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	3	100%	100%
Camp 26 Nayapara	4	4	100%	100%
Camp 27 Jadimura	2	2	100%	100%
Nayapara RC	2	2	100%	100%

Map 4 | Completeness by camp

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

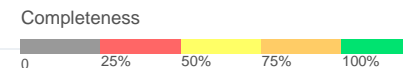
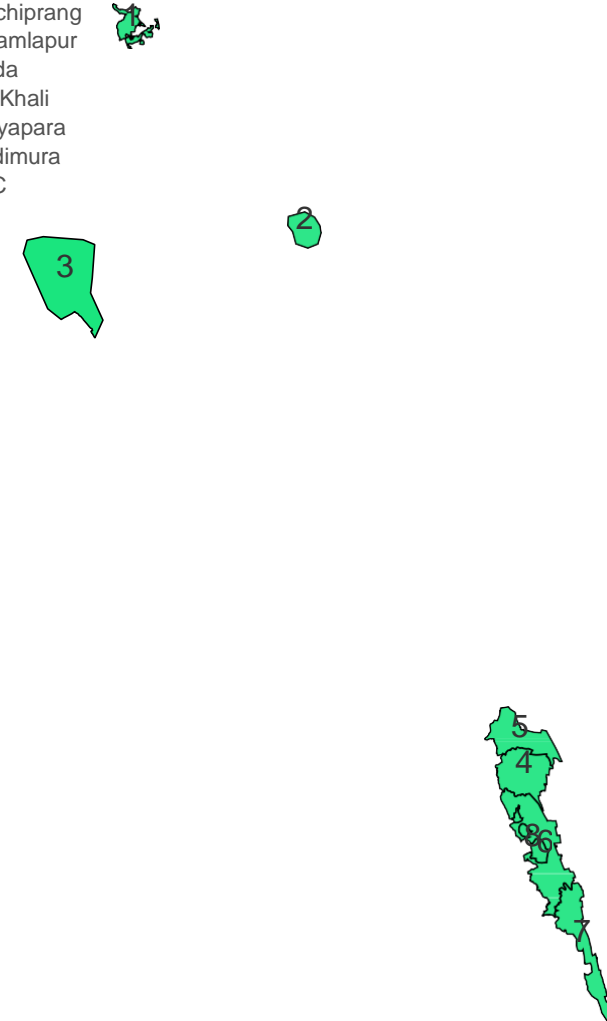


Table 7 | Performance by partner (W34 2021)

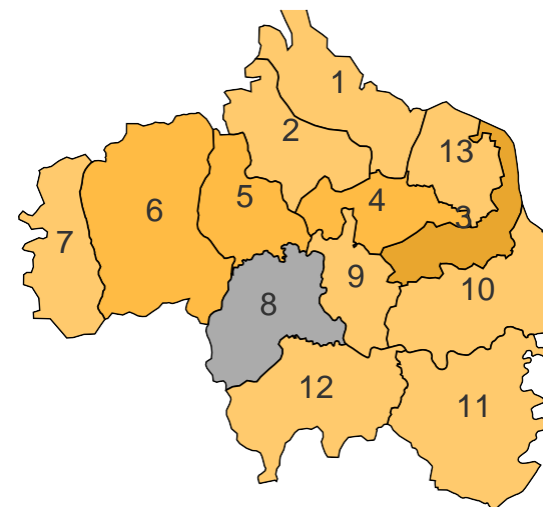
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	1	0	0%	0%	IRC	2	0	0%	0%
AWARD	7	7	100%	100%	MSF	9	5	55%	55%
BASHMAH	1	1	100%	100%	MoH	21	14	67%	62%
BDRCS	11	9	100%	82%	MHI	2	0	0%	0%
BRAC	11	11	100%	100%	Medair	2	2	100%	100%
CARE	4	0	0%	0%	FH/MTI	3	3	100%	100%
DAM	2	2	100%	100%	PRANTIC	1	0	0%	0%
DBC	1	1	100%	100%	PULSE	1	0	0%	0%
DSK	1	0	0%	0%	QC	1	1	0%	0%
DCHT	2	2	100%	100%	PHD	10	8	0%	0%
FRNDS	7	6	86%	86%	RPN	2	2	100%	100%
GK	10	10	100%	100%	RHU	3	3	100%	100%
Global One	1	0	0%	0%	RI	3	3	100%	100%
GUSS	1	1	100%	100%	RTMI	9	9	100%	100%
HAEFA	2	2	100%	100%	SALT	1	1	100%	100%
HAIB	8	8	100%	100%	SCI	7	2	28%	28%
HMBDF	2	2	100%	100%	SHED	0	0		
HOPE	1	1	100%	100%	Turkish Government	1	0	0%	0%
ICRC	1	0	0%	0%	TdH	2	2	100%	100%
IOM	15	12	80%	80%					

Table 8 | Performance by camp

Northern group	W34		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	2	100%	59	98%
Camp 1W	1	100%	65	100%
Camp 2E	6	100%	234	99%
Camp 2W	3	100%	55	100%
Camp 3	4	100%	118	100%
Camp 4	3	100%	133	98%
Camp 4 Ext	1	100%	22	100%
Camp 5	0	0%	92	100%
Camp 6	2	100%	55	100%
Camp 7	1	100%	24	100%
Camp 8E	1	100%	36	100%
Camp 8W	2	100%	116	100%
Kutupalong RC	1	100%	21	100%

Map 5 | Number of alerts by camp

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



of alerts

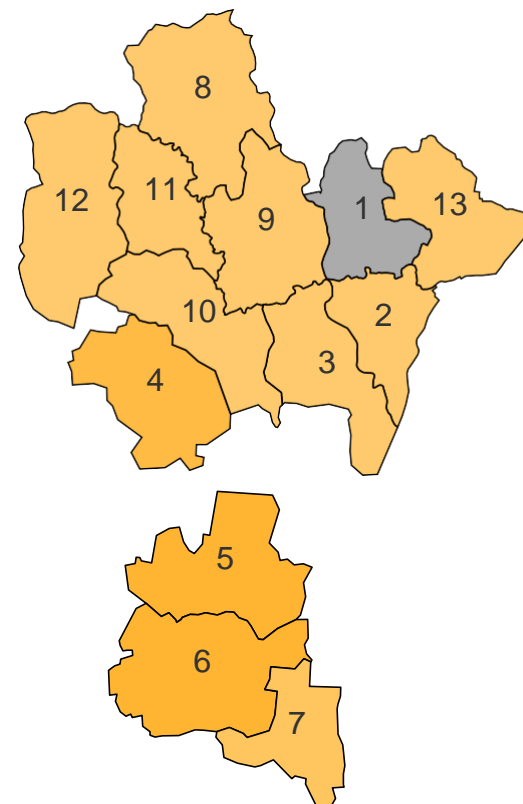


Table 9 | Performance by camp

Southern group	W34		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	0	0%	74	100%
Camp 11	2	100%	82	100%
Camp 12	2	100%	77	100%
Camp 13	4	100%	95	100%
Camp 14	3	100%	70	100%
Camp 15	3	100%	86	100%
Camp 16	2	100%	93	100%
Camp 17	1	100%	61	100%
Camp 18	2	100%	118	96%
Camp 19	2	100%	62	100%
Camp 20	1	100%	48	100%
Camp 20 Ext	2	100%	37	100%
Camp 9	1	100%	93	100%

Map 6 | Number of alerts by camp

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



of alerts

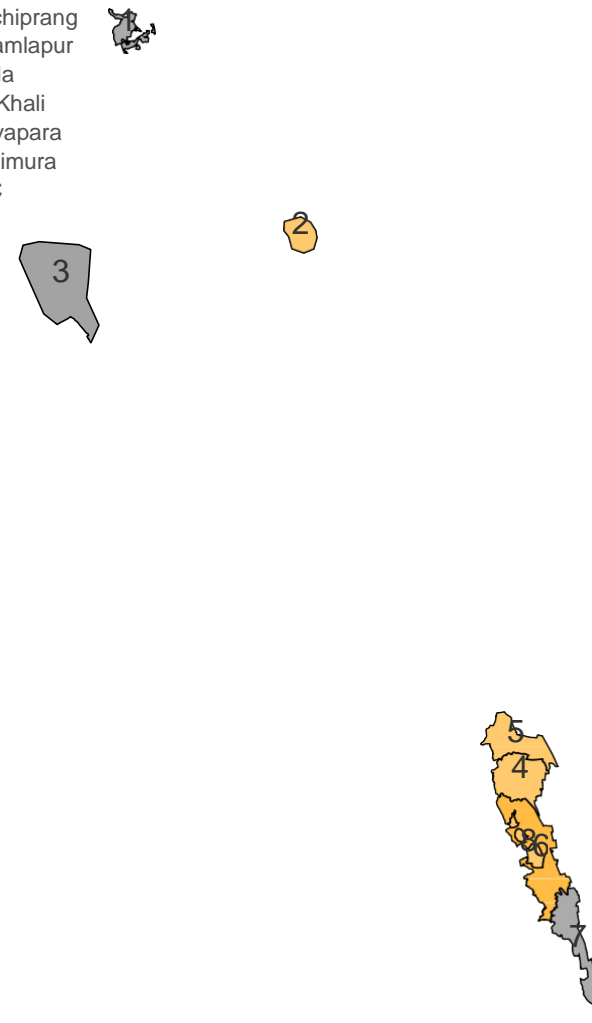


Table 10 | Performance by camp

Teknaf	W34		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	0	0%	19	100%
Camp 22 Unchiprang	2	100%	60	98%
Camp 23 Shamlapur	0	0%	17	100%
Camp 24 Leda	1	100%	50	100%
Camp 25 Ali Khali	1	100%	22	95%
Camp 26 Nayapara	4	100%	84	98%
Camp 27 Jadimura	0	0%	11	100%
Nayapara RC	1	100%	37	100%

Map 7 | Number of alerts by camp

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



of alerts



Table 11 | Performance by type of alert

Event	W34		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	4	100%
Measles	1	100%	256	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	9	100%
Meningitis	0	0%	26	100%
Haem. fever (susp.)	0	0%	8	100%
NNT	1	100%	2	100%
Unexp. fever	1	100%	101	100%
AWD	4	100%	209	100%
ARI	3	100%	199	100%
AJS	1	100%	32	100%
Varicella (Susp.)	0	0%	31	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	4	100%	149	100%

Table 12 | Risk assessment

W34	Cumulative (2021)	
1	20	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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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.

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

Sign-up for an account with EWARS Bangladesh at <http://bd.ewars.ws>



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 W34 2021



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



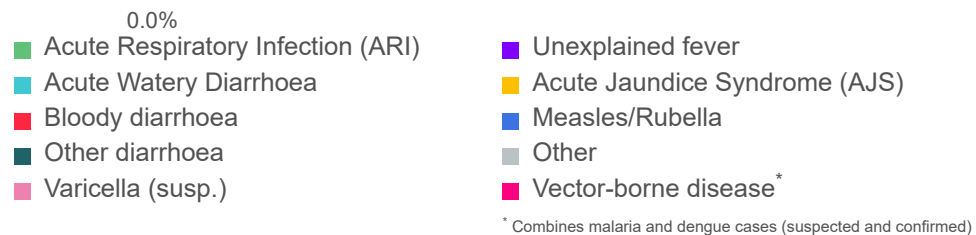
HEALTH SECTOR
COX'S BAZAR



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Proportional morbidity

Figure 1 | Proportional morbidity (W34 2021)



Disease	W34		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,559	3.2%	100,864	3.5%
Bloody diarr.	300	0.4%	12,136	0.4%
Other diarr.	976	1.2%	32,836	1.2%
Susp. Varicella	8	0.0%	3,514	0.1%
ARI	12,132	15.1%	492,252	17.3%
Measles/Rub.	1	0.0%	380	0.0%
AFP	0	0.0%	9	0.0%
Susp. menin.	1	0.0%	87	0.0%
AJS	13	0.0%	361	0.0%
Susp. HF	0	0.0%	14	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	12	0.0%
Malaria (conf.)	0	0.0%	16	0.0%
Malaria (susp.)	1,206	1.5%	24,337	0.9%
Dengue (conf.)	0	0.0%	3	0.0%
Dengue (susp.)	1	0.0%	30	0.0%
Unexpl. fever	883	1.1%	31,869	1.1%
Sev. Malnut.	26	0.0%	1,140	0.0%
Inj./Wounds	1,846	2.3%	75,932	2.7%
Other	60,323	75.0%	2,068,465	72.7%
Total	79,901	100%	2,846,092	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W34)

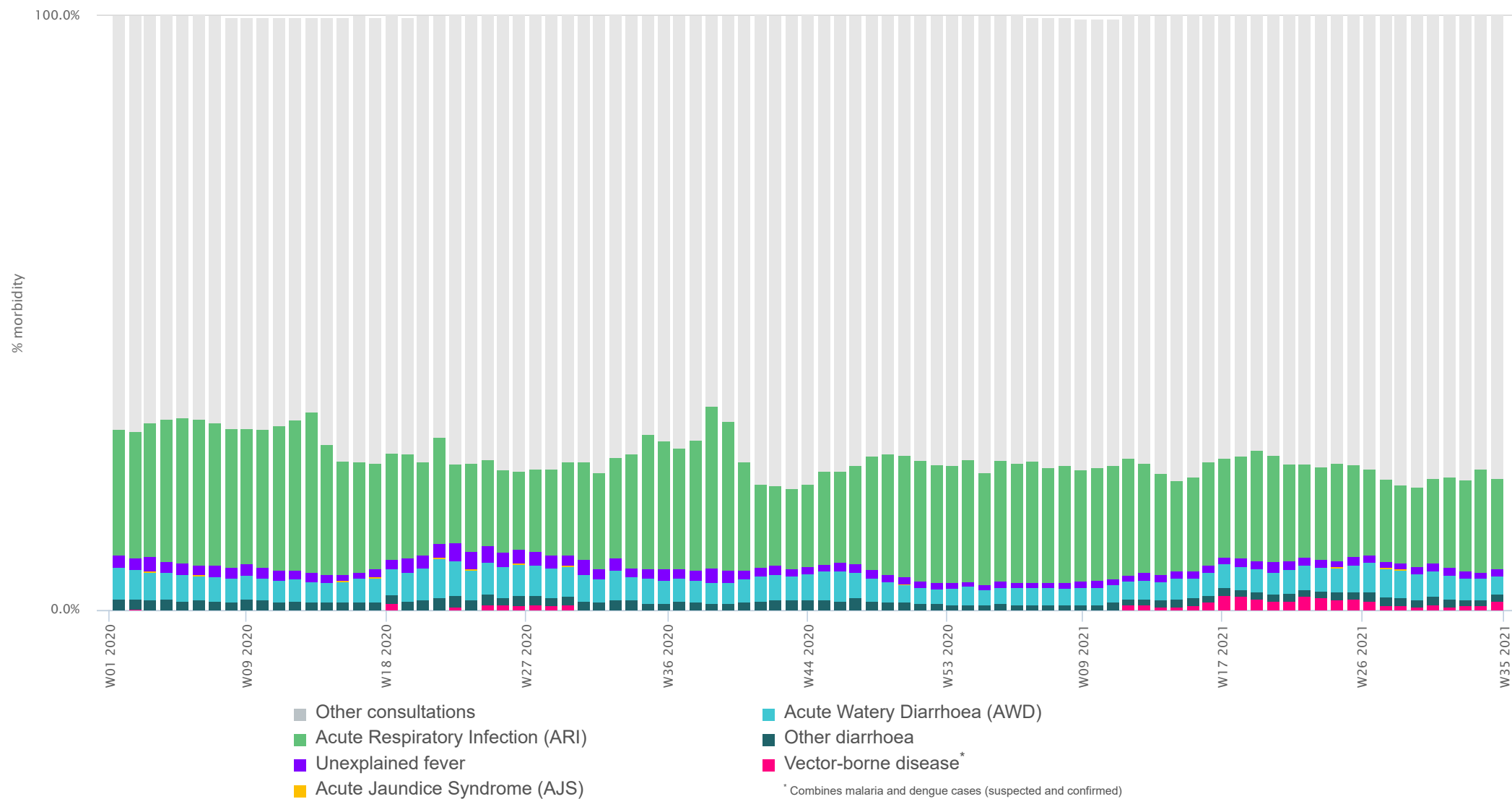
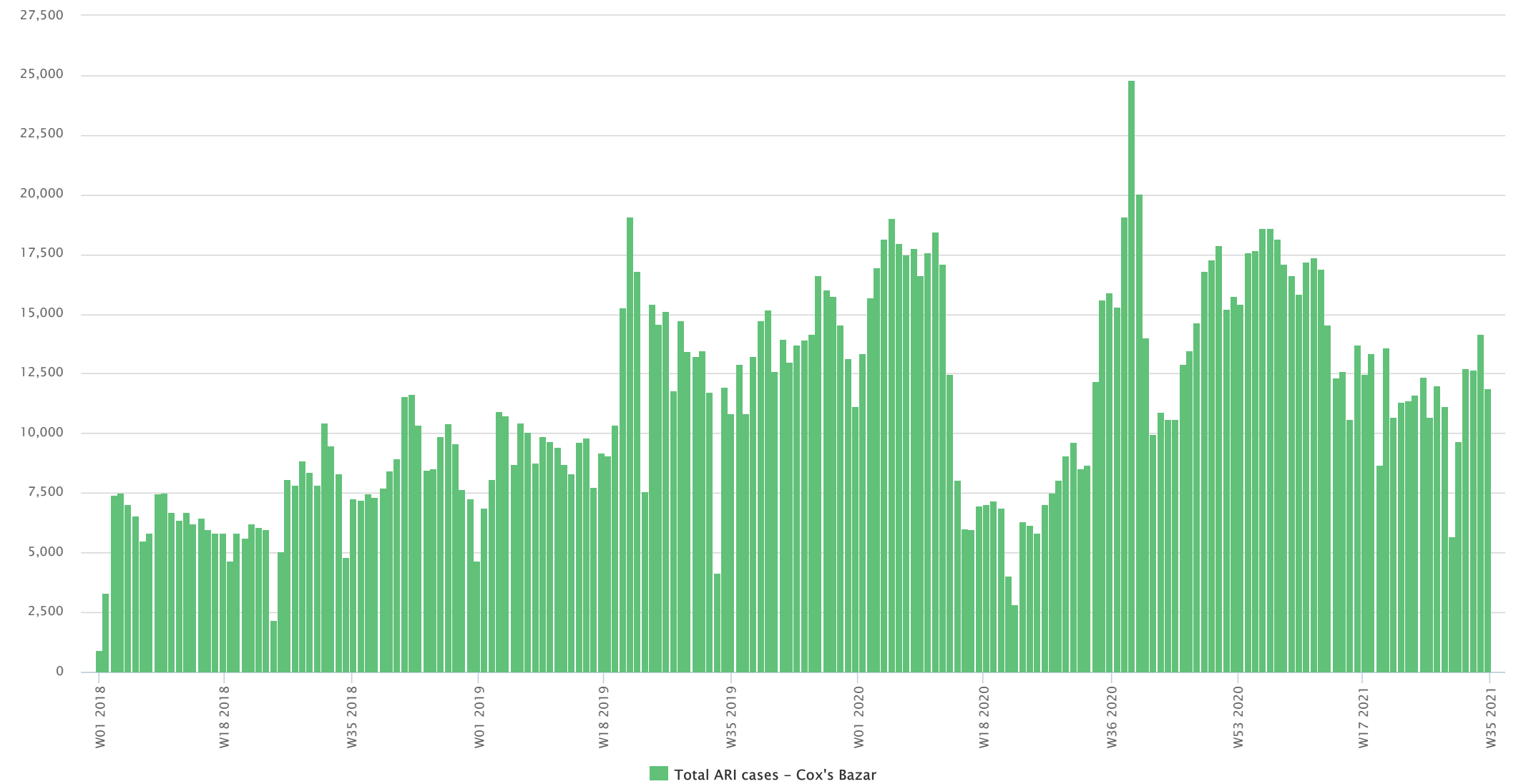


Figure 3 | Trend in number of cases over time (W38 2017 - W34 2021)



Map 1 | Map of cases by camp (W34 2021)

a. Ukhia | Number of cases
Loading...

b. Ukhia | Number of alerts
Loading...

c. Teknaf | Number of cases
Loading...

d. Teknaf | Number of alerts
Loading...

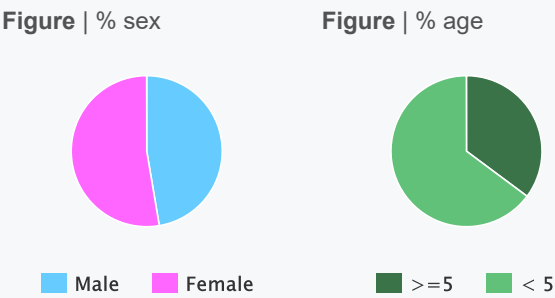
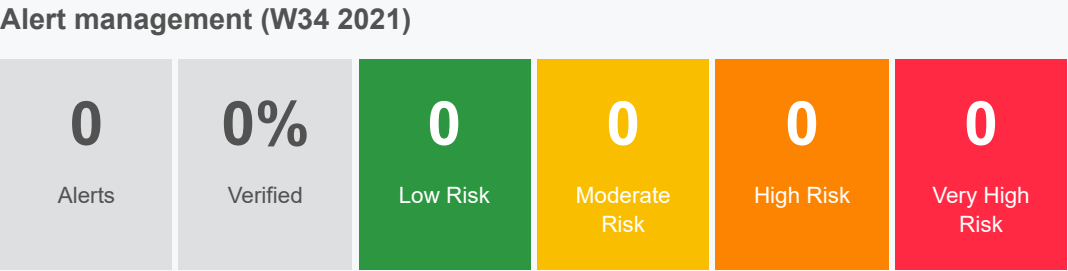
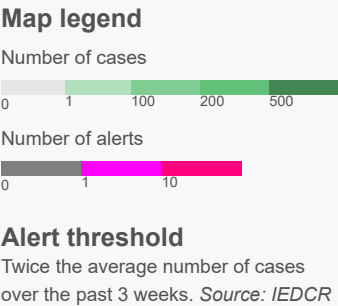
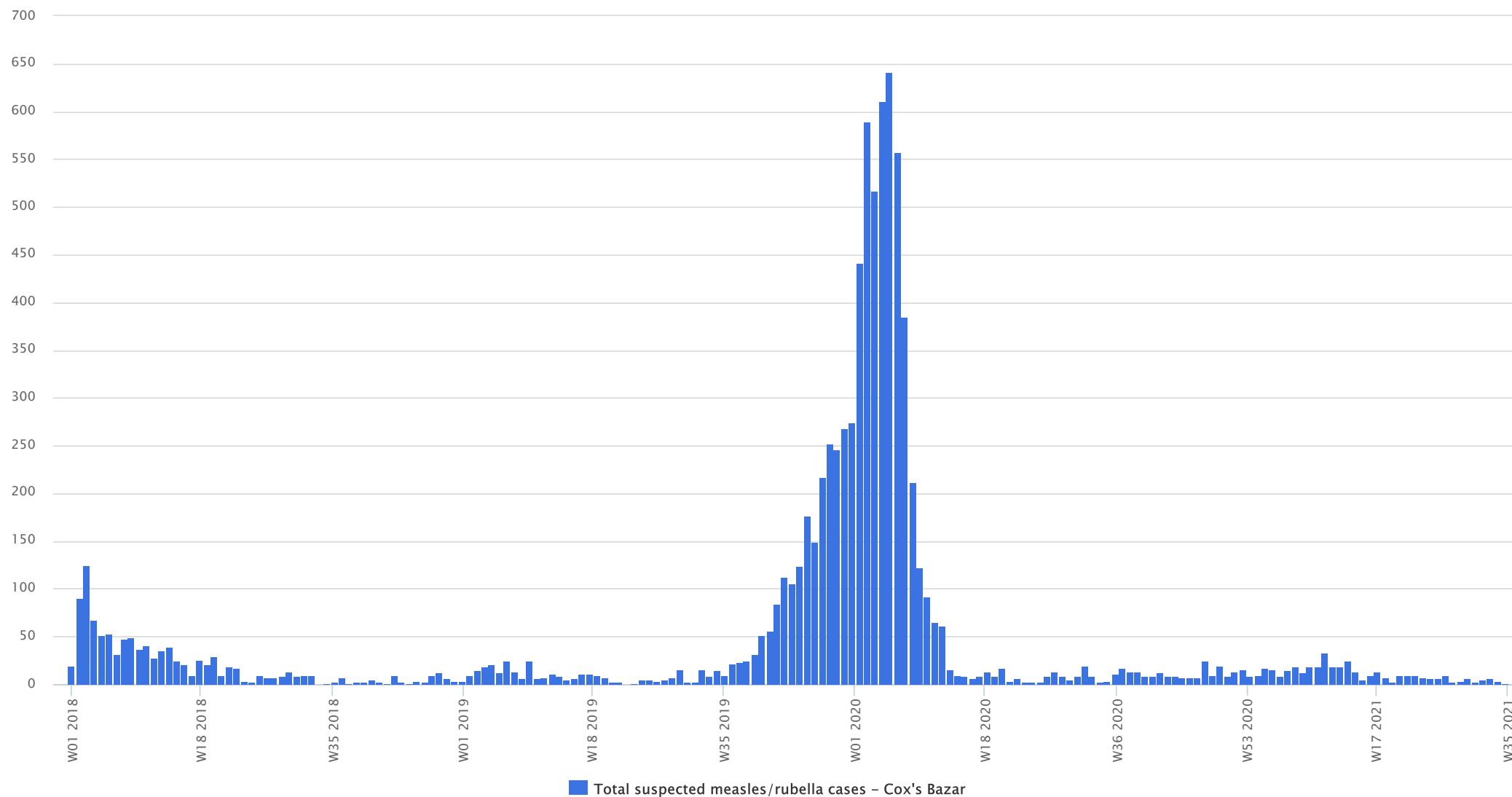


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W34 2021)



Map 2 | Map of cases by camp (W34 2021)

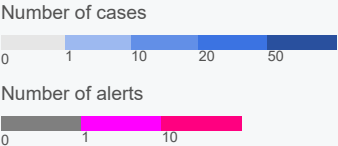
a. Ukhia | Number of cases
Loading...

b. Ukhia | Number of alerts
Loading...

c. Teknaf | Number of cases
Loading...

d. Teknaf | Number of alerts
Loading...

Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W34 2021)

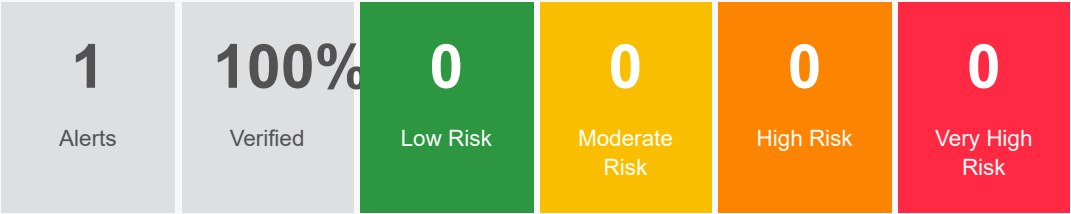


Figure | % sex



Figure | % age

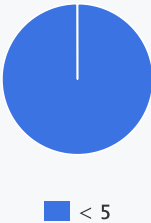
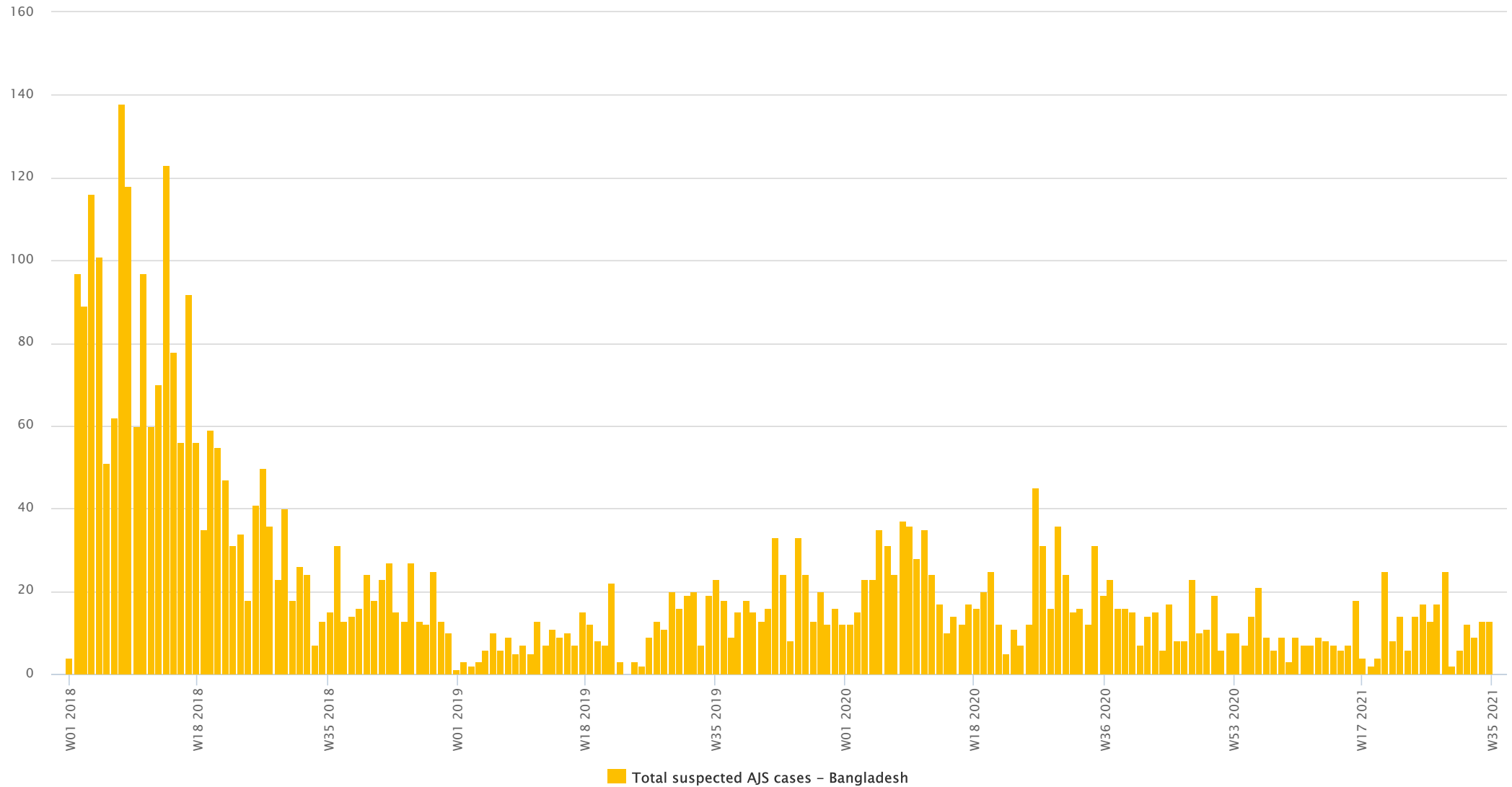


Figure 5 | Trend in number of cases over time (W38 2017 - W34 2021)



Map 3 | Map of cases by camp (W37 2017 - W34 2021)

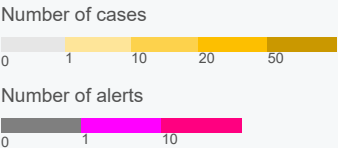
a. Ukhia | Number of cases
Loading...

b. Ukhia | Number of alerts
Loading...

c. Teknaf | Number of cases
Loading...

d. Teknaf | Number of alerts
Loading...

Map legend



Alert threshold

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

Alert management (W34 2021)

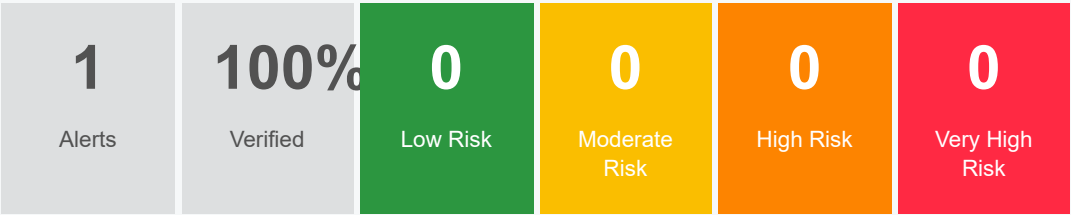


Figure | % sex

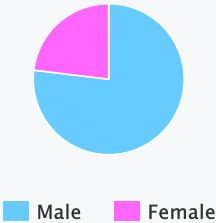


Figure | % age

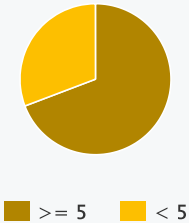


Figure 6 | Trend in number of cases over time (W38 2017 - W34 2021)

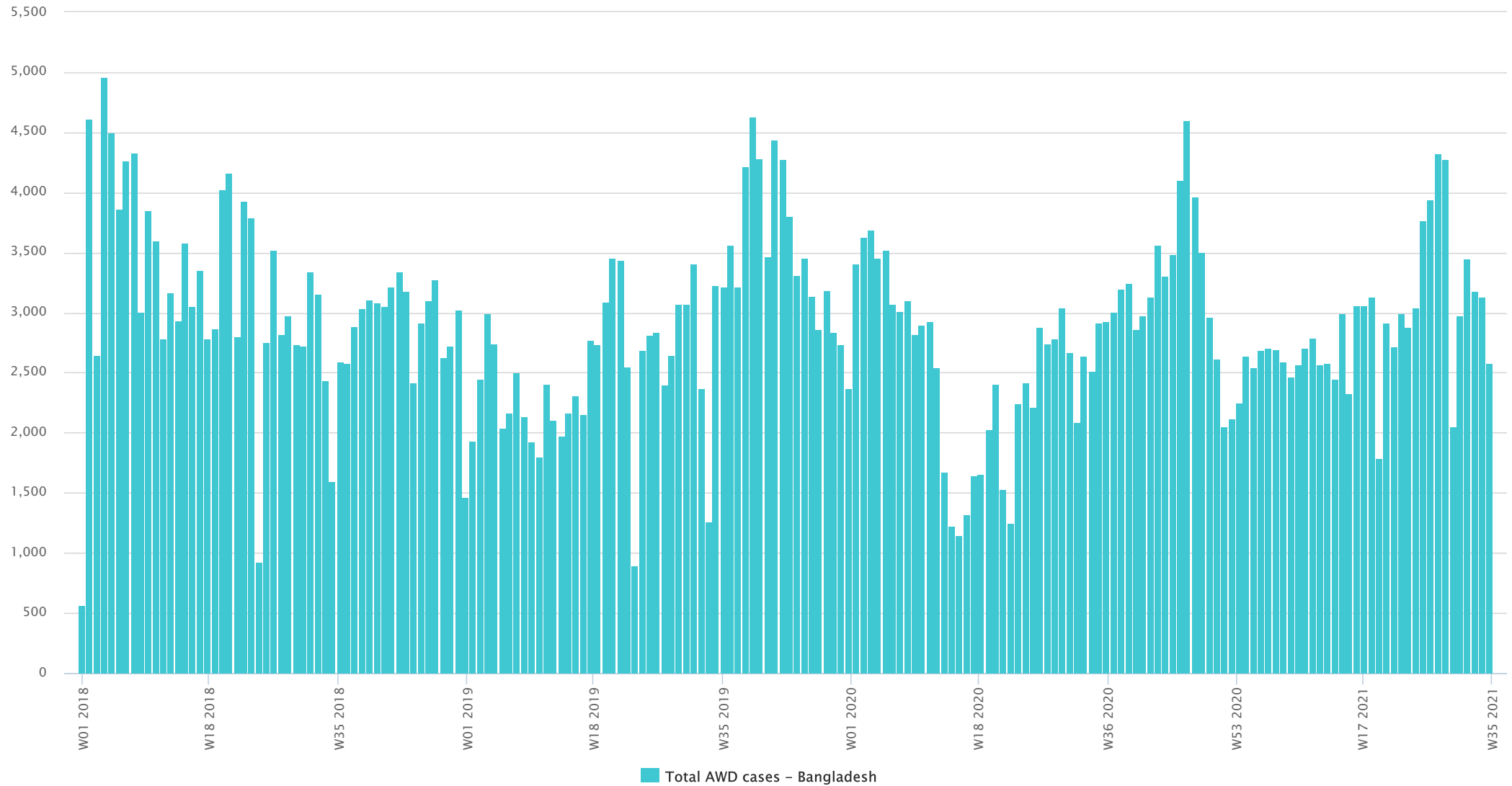
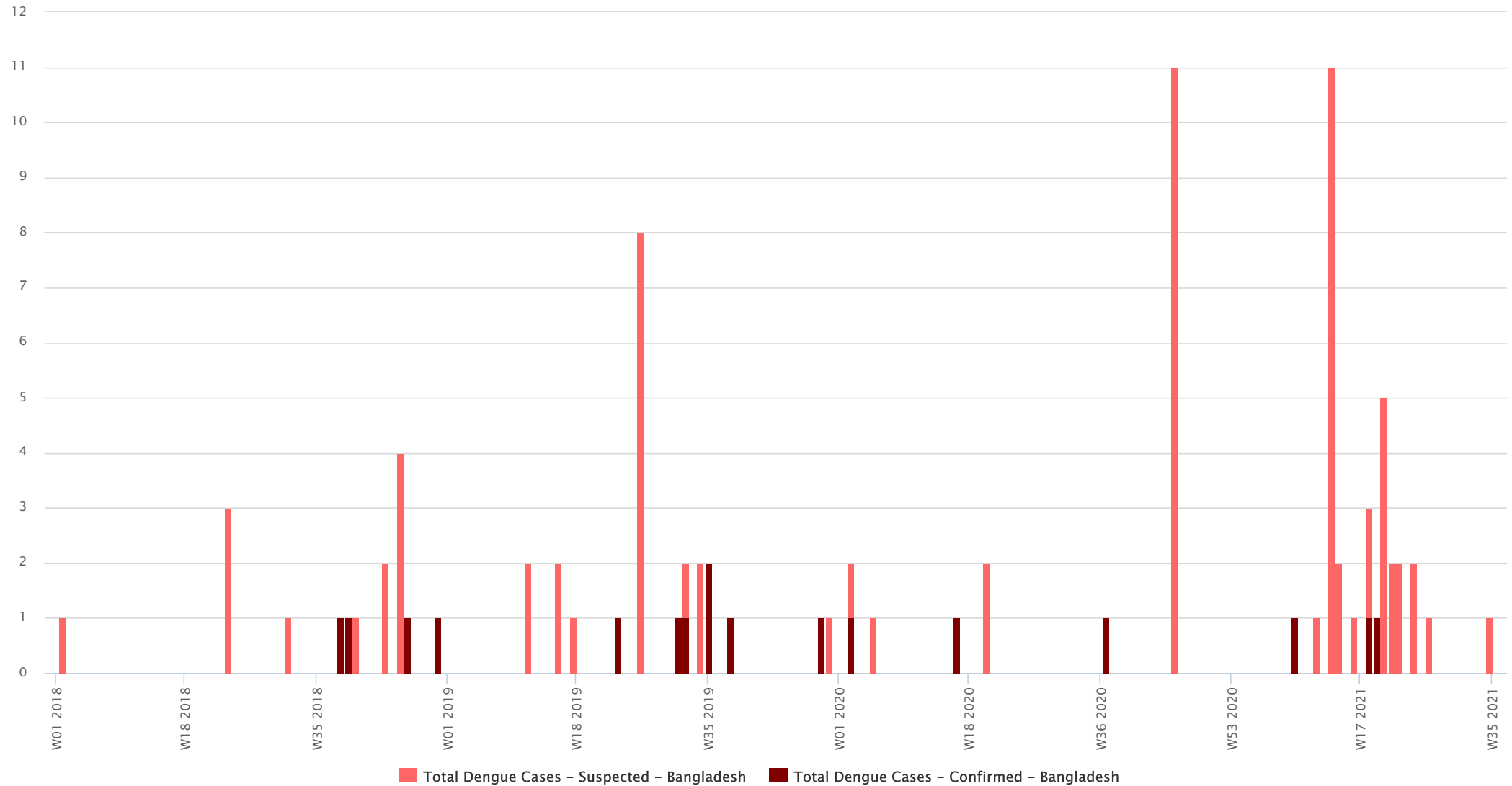


Figure 7 | Trend in number of cases over time (W38 2017 - W34 2021)



Map 4 | Map of cases by camp (W37 2017 - W34 2021)

a. Ukhia | Number of cases

Loading...

b. Ukhia | Number of alerts

Loading...

c. Teknaf | Number of cases

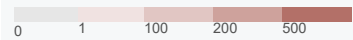
Loading...

d. Teknaf | Number of alerts

Loading...

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 (W34 2021)

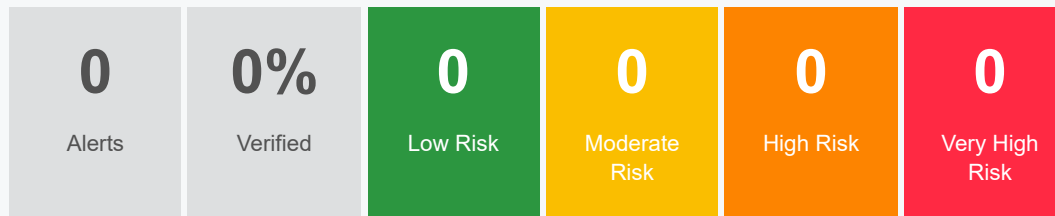


Figure | % sex



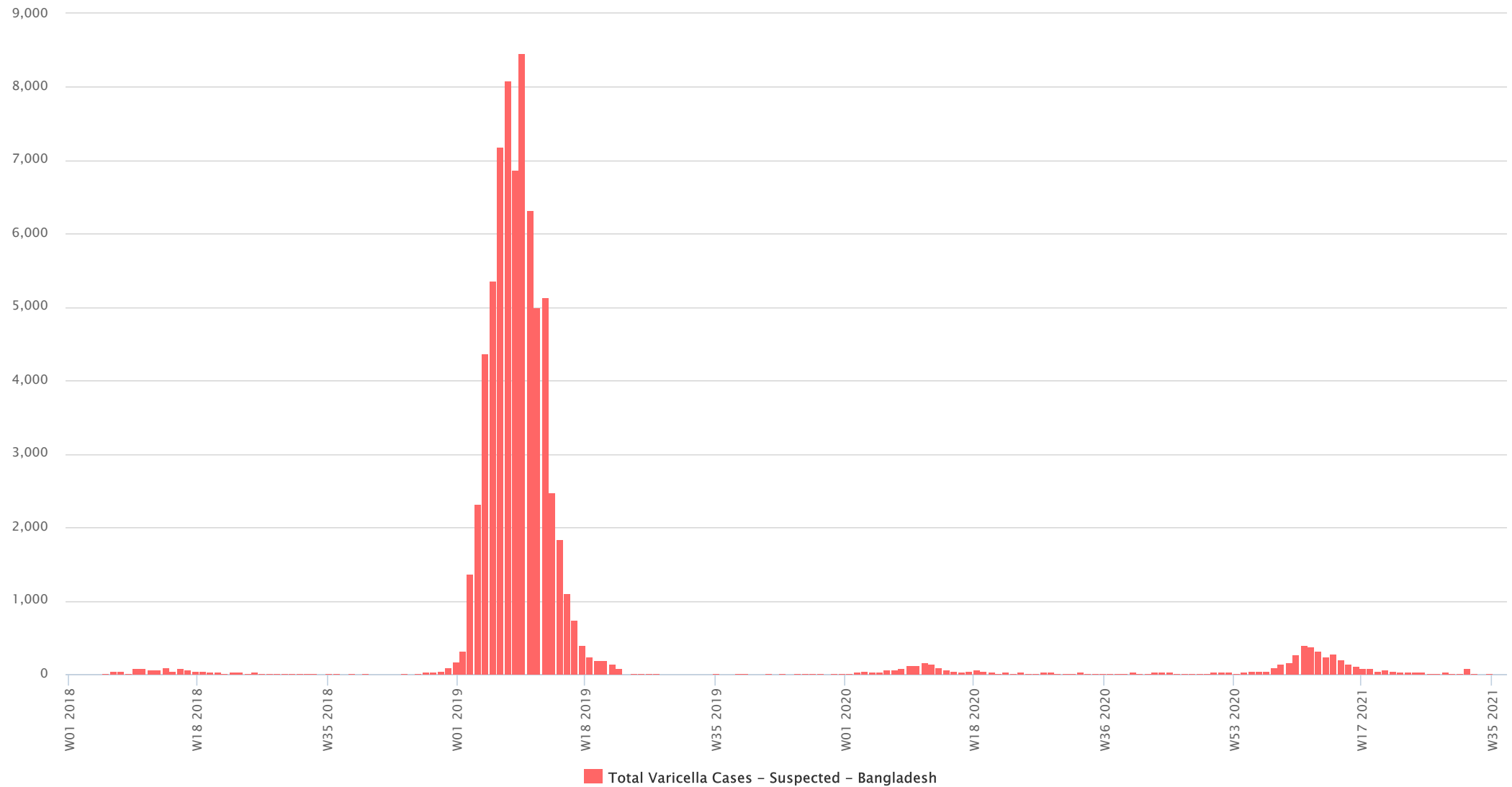
Male

Figure | % age



>= 5

Figure 7 | Trend in number of cases over time (W38 2017 - W34 2021)



Map 4 | Map of cases by camp (W37 2017 - W34 2021)

a. Ukhia | Number of cases

Loading...

c. Teknaf | Number of cases

Loading...

Map legend

Number of cases



Figure | % sex

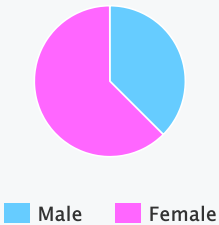
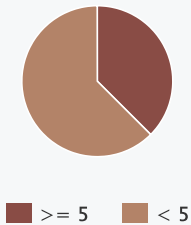


Figure | % age



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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>

Sign up for an account with EWARS Bangladesh at <http://bd.ewars.ws>



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