



Epidemiological Highlights

Week 52 (27 Dec 2021- 2 Jan 2022)



World Health
Organization

Highlights: COVID-19

As of week 52, (27 Dec 2021-2 Jan 2022) there are 3,308 confirmed cases of COVID-19 (SARS-CoV-2), out of 80,987 samples that have been tested. The total positivity rate now stands at 4.1%.

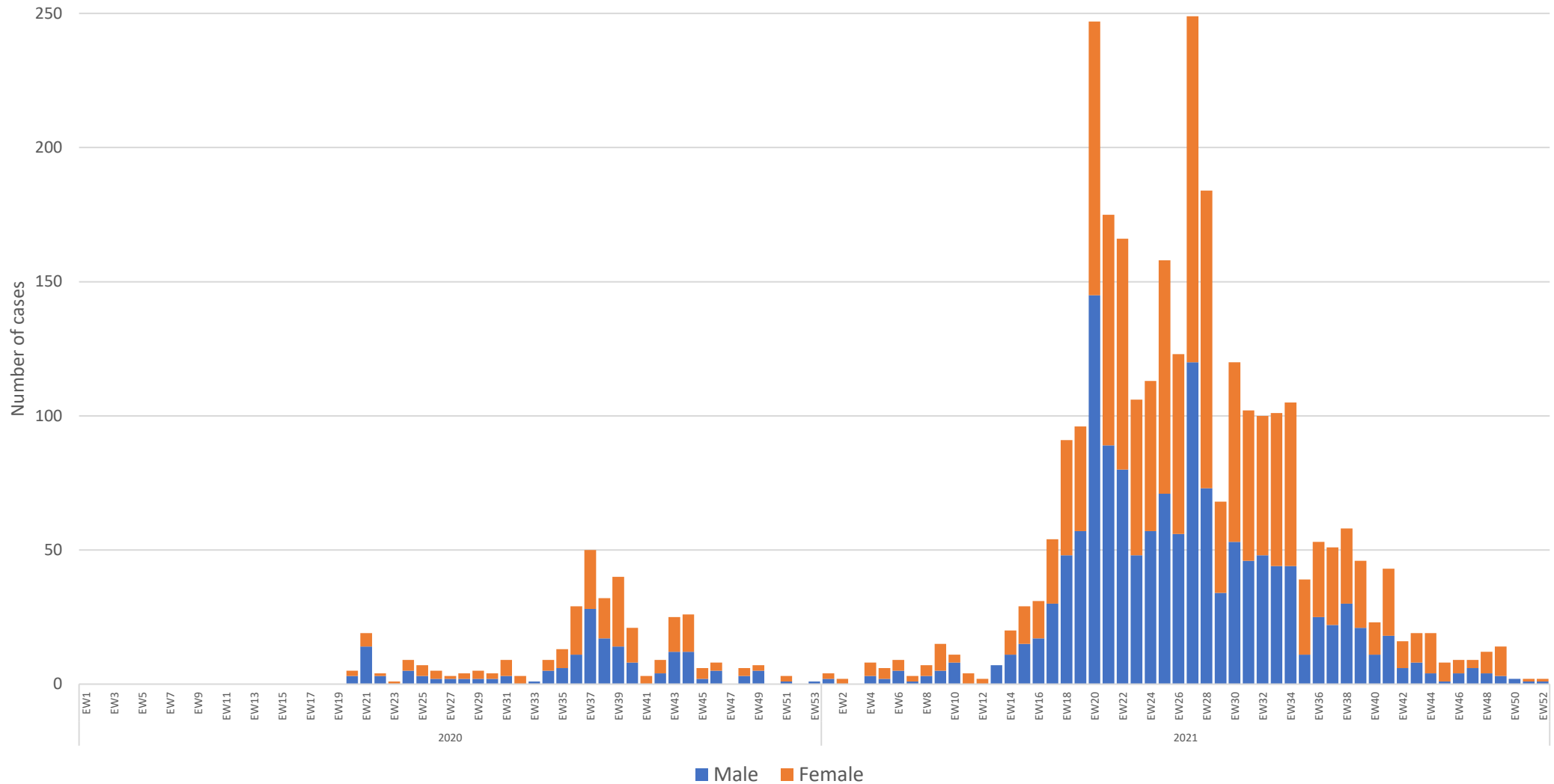
In the reporting week (week 52), two (2) new confirmed cases were detected out of 1,058 total samples tested. This translates to a 0.2% test positivity rate.

As of this week (week 52)

- Median age of tested and confirmed cases were 11 (0-120) and 21 (0-100) years respectively
- Proportion of females among tested and confirmed cases is 54% and 53% respectively
- All the 34 camps, have so far reported confirmed cases since the outbreak began, while the five camps with the highest number of reported cases were; C24-206, C3-203, C17-186, C2W-181, and C21-179.
- Total confirmed COVID-19 deaths so far reported to date are 34 with the average case fatality ratio of 1.0%
- The weekly incidence remained static at 2.3 cases/1 million population in this Epi week which is the same for the other two previous weeks.

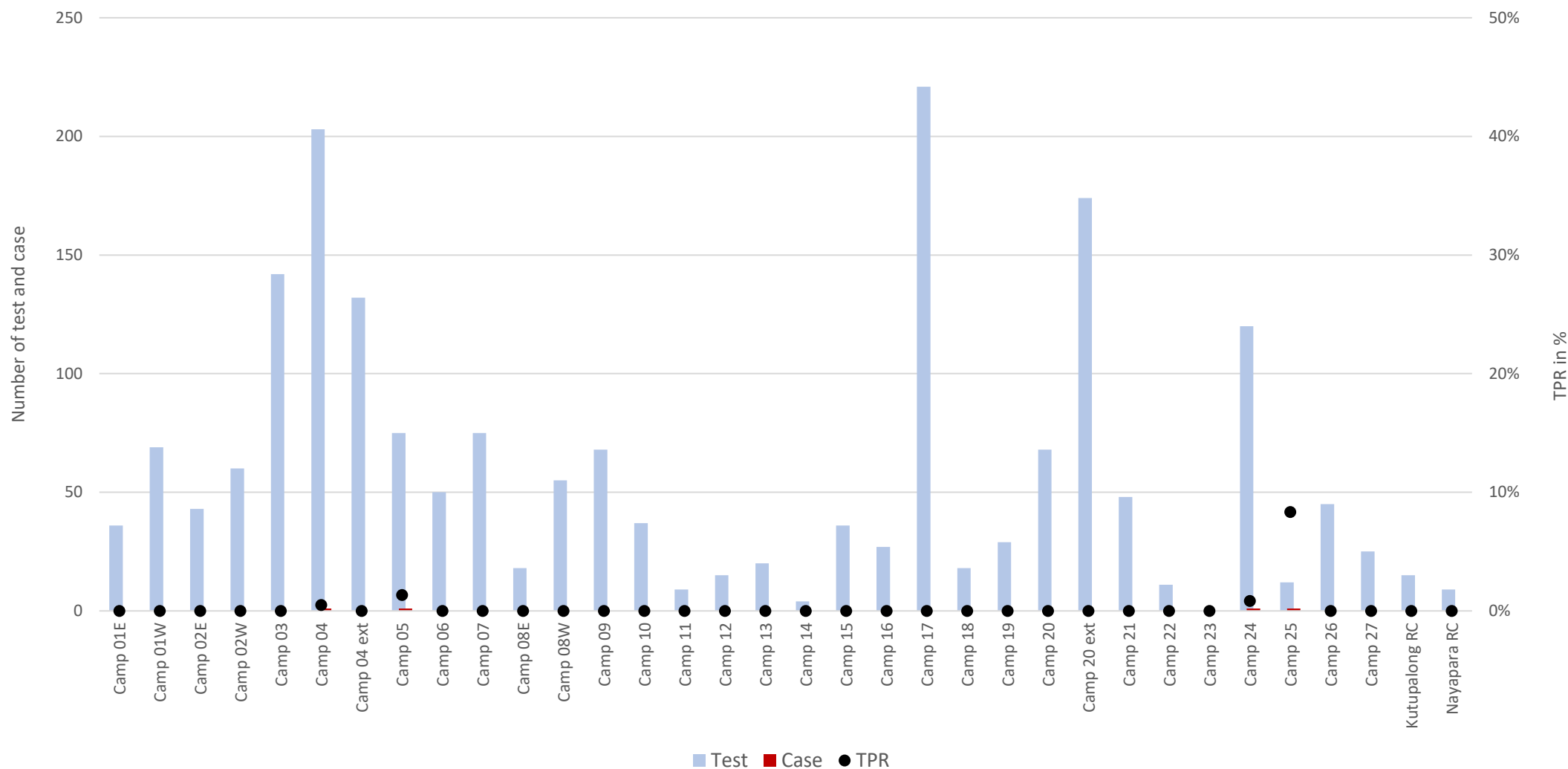
Highlights: COVID-19

COVID-19 positive cases (n=3,308) by epidemiological week by date of test



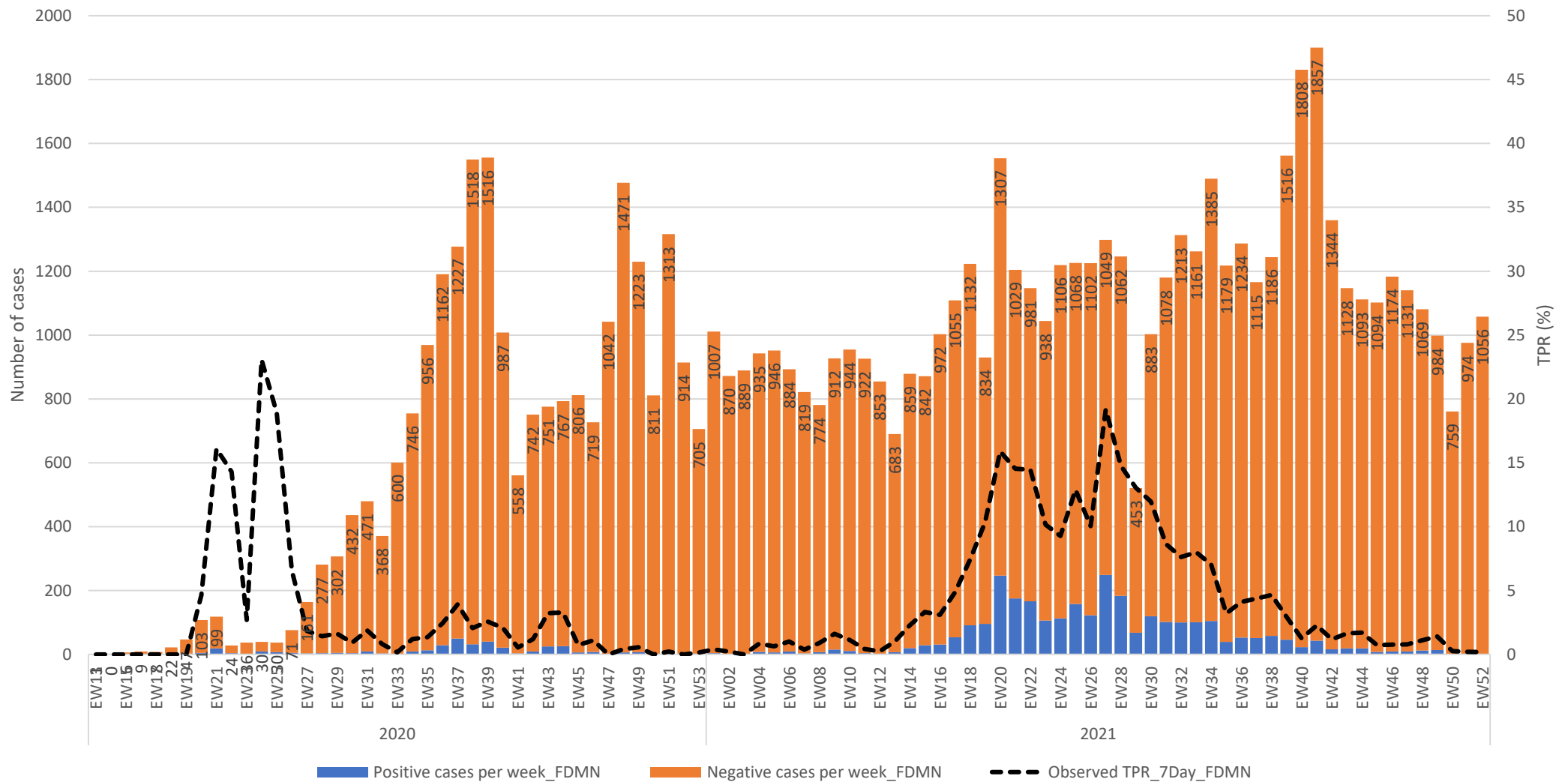
Highlights: COVID-19

COVID-19 test case and TPR per camp, WK_51-52

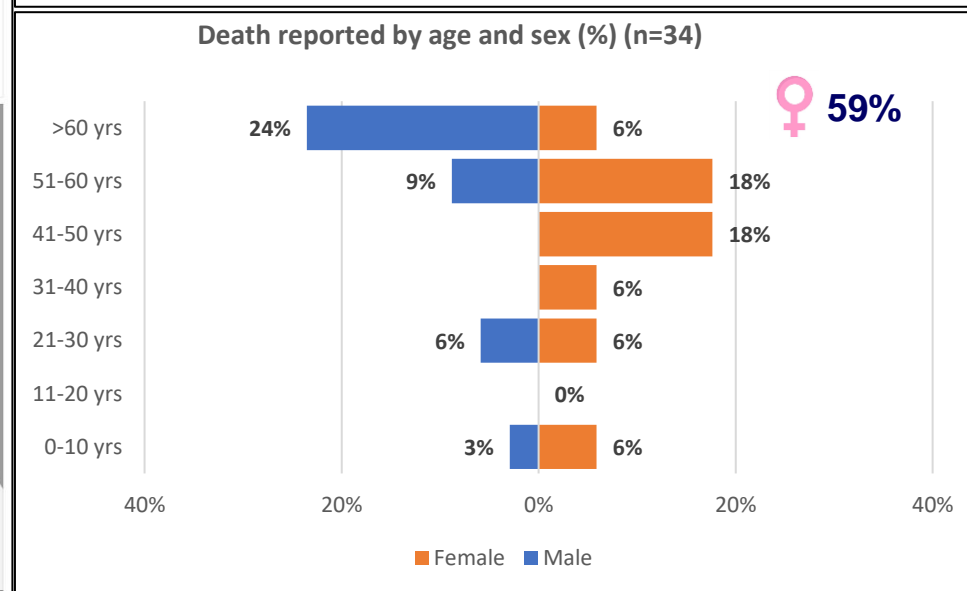
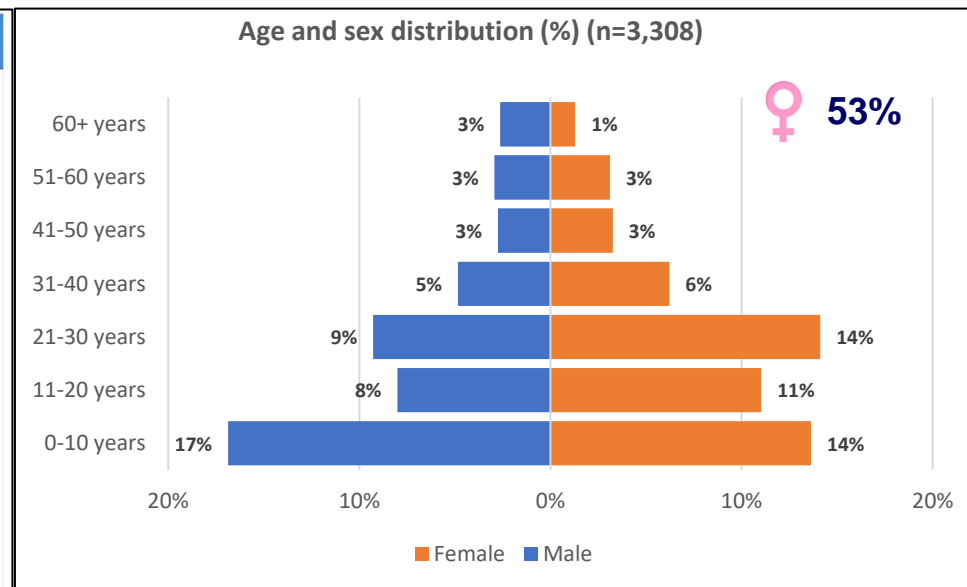
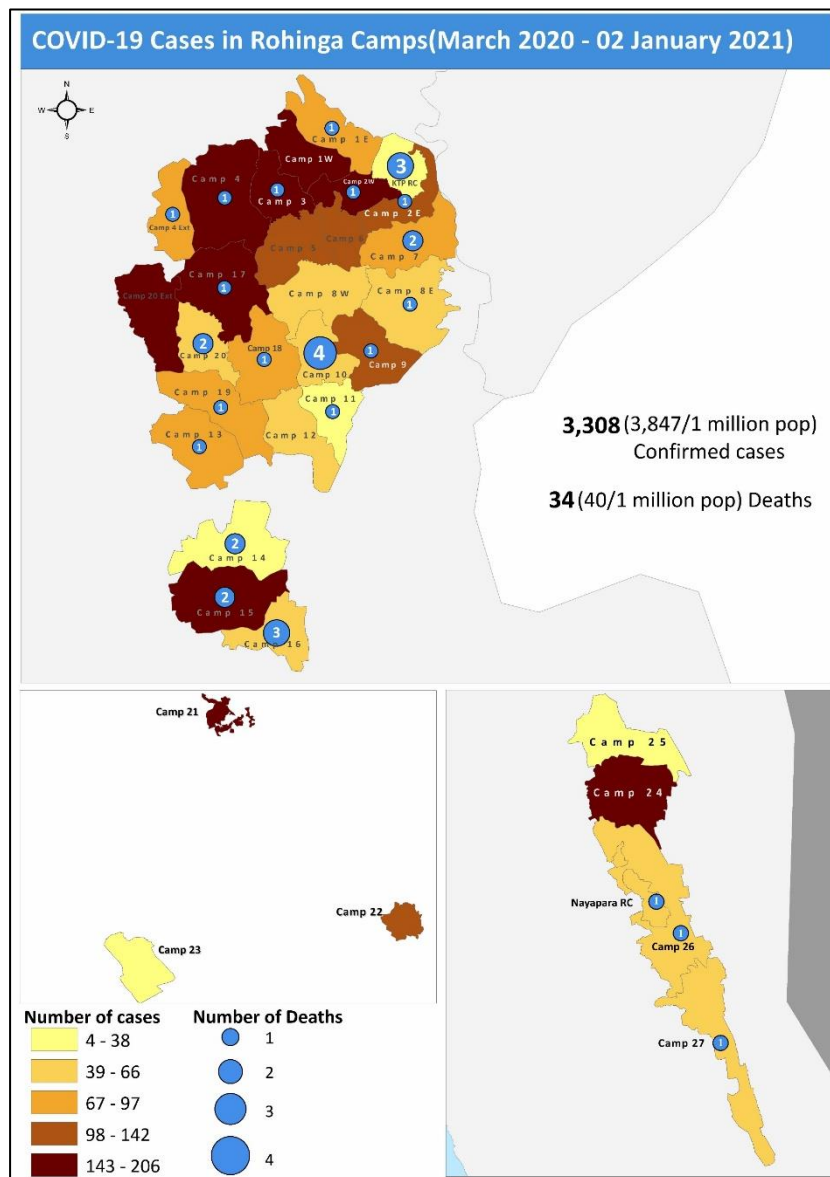


Highlights: COVID-19

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

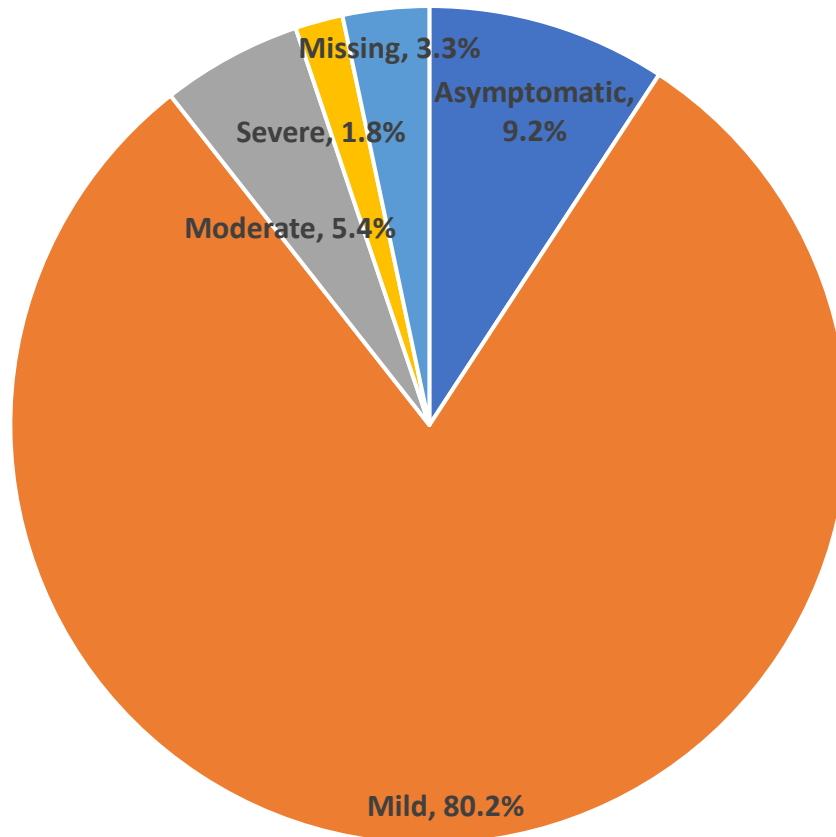


Highlights: COVID-19

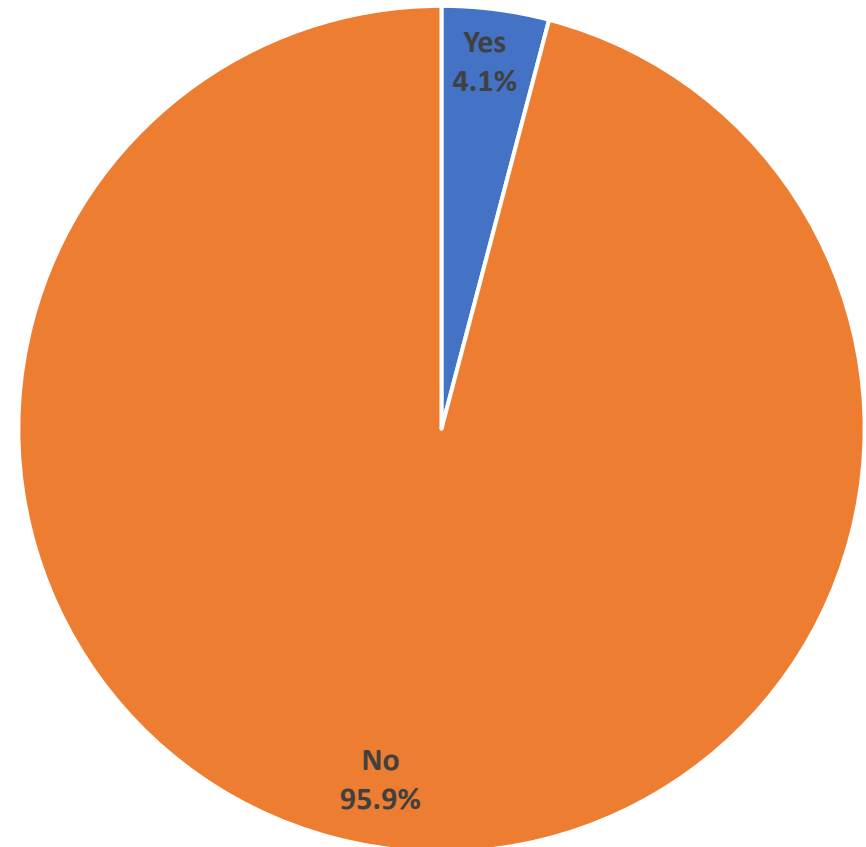


Highlights: COVID-19

Severity of reported cases at presentation (n=3,155)



Did the case report at least 1 co-morbidity (n=3,155)



Source: Go.Data

Highlights: COVID-19

- Total 3,155 (out of 3,308) of the confirmed cases have been investigated by the 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 9,381 (84%) contacts registered for follow-up in the Go.Data out of 11,221 contacts in total were identified during the field investigation.
- 7,121 (76%) contacts successfully accomplished the follow-up.
- 321 household contacts tested positive within the incubation period.

Source: Go.Data

EWARS Reporting Updates

- Currently, a total of 171 health facilities registered in EWARS
 - Only 132/171 weekly reports were received on time in week 52
 - Timeliness of reporting for this week is 77%
 - Eighty-one (81) alerts were triggered
 - All alerts were reviewed and verified by the WHO EWARS team; the number is less than that of the previous week (90 alerts in week 51).

Highlights:

- Acute Respiratory Infection (20.0%), Diarrheal Diseases (3.9%) & Injury and wounds (1.9%) are the diseases and health conditions with the highest proportional morbidity in week 52.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - This Epi week, one (1) SARI death reported
 - One hundred forty-five (145) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COVID-19.
 - Total fifteen (15) SARI deaths were considered as death due to probable COVID-19 till date.

Diphtheria Surveillance Updates

Two (2) probable diphtheria case was reported in go.data in week 52

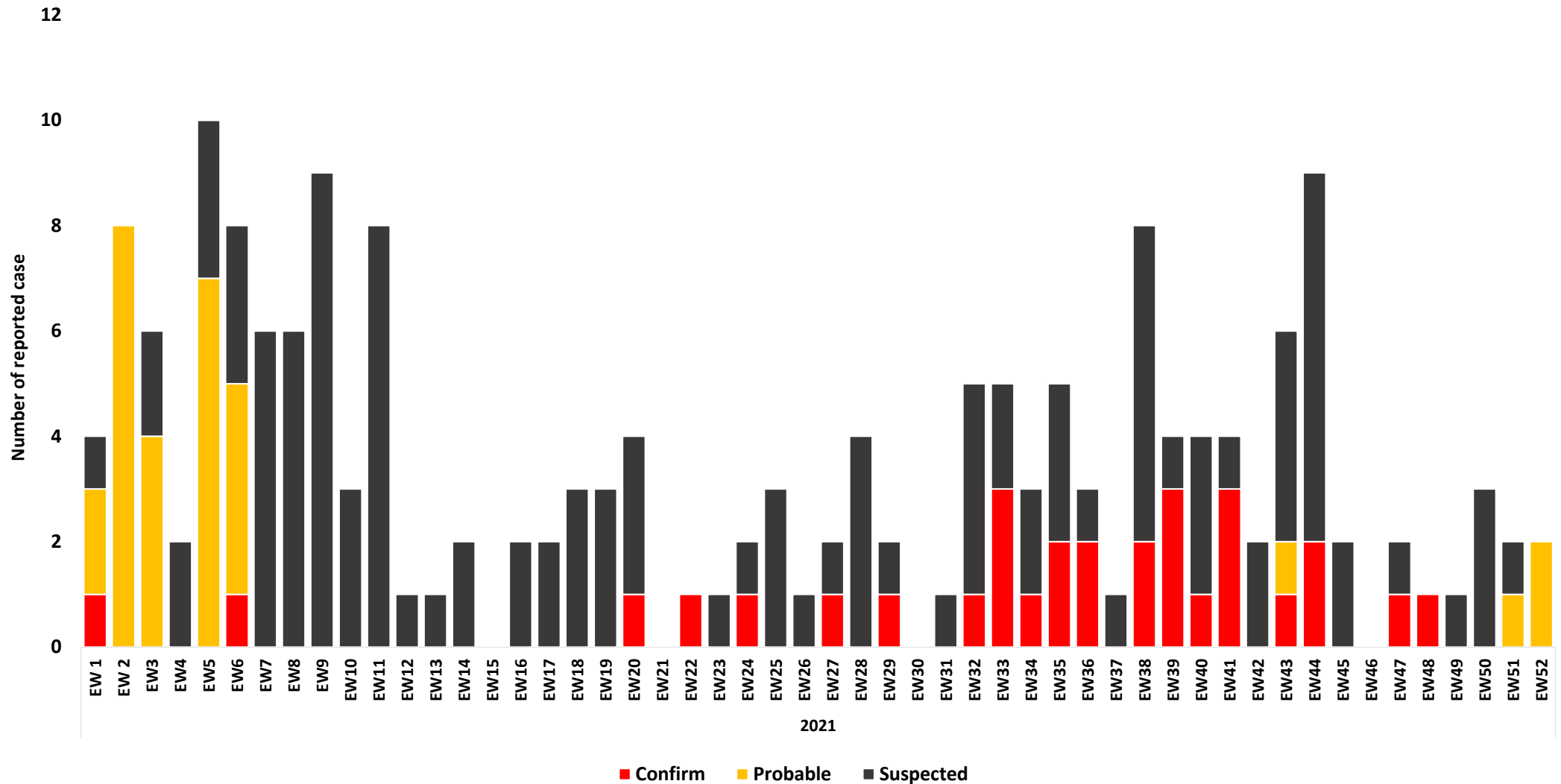
The last confirmed case was reported on 10 December 2021

In total 52 deaths were reported, the last death reported on 5 November 2021

Classification	2017	2018	2019	2020	2021
Confirmed	66	226	31	19	30
Probable	1154	1555	60	9	29
Suspected	1796	3549	523	198	118
Death	30	14	3	0	5

Diphtheria Surveillance Updates

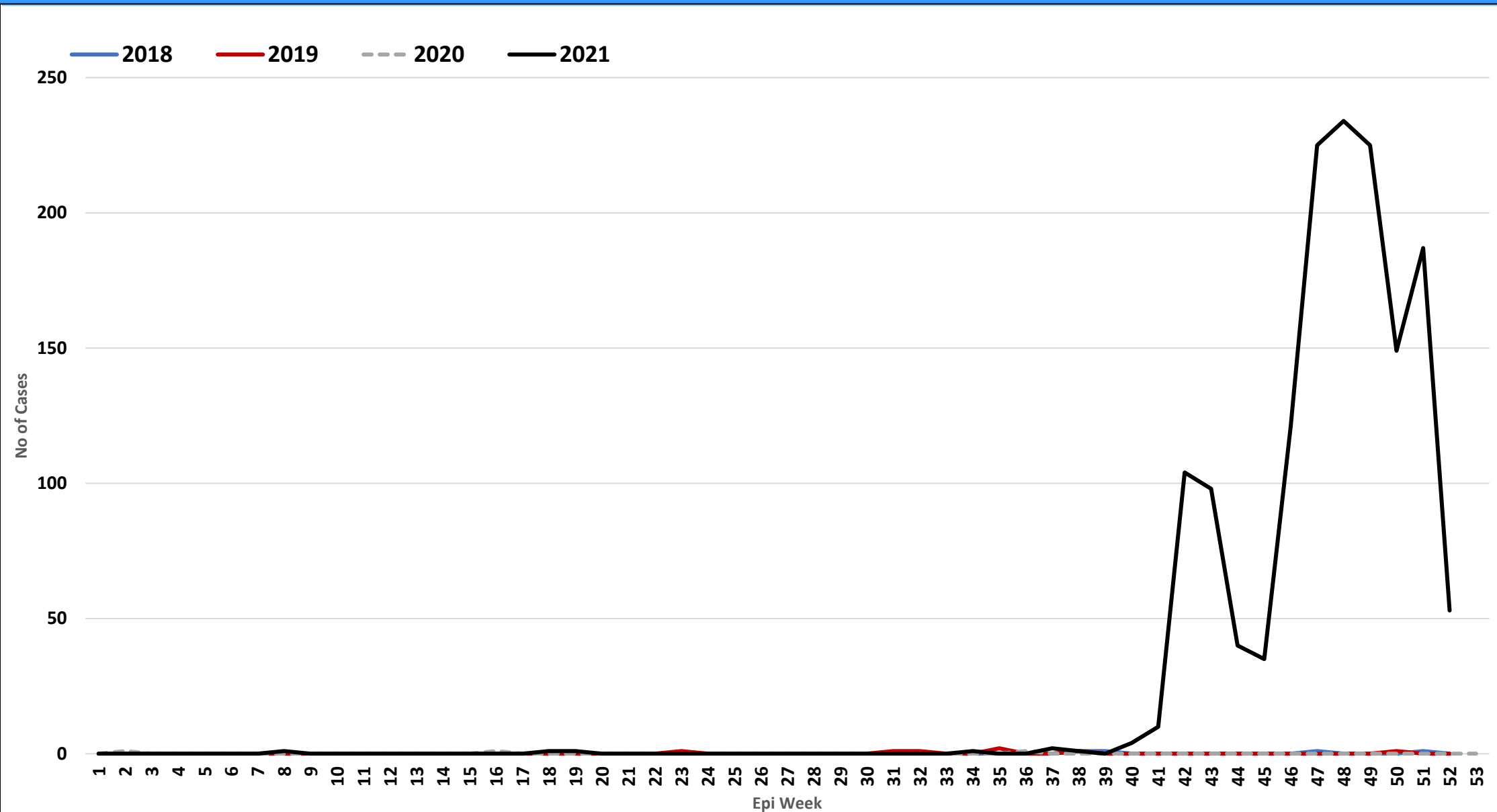
Total number of diphtheria case reported in EWARS from W1-52, 2021



Dengue cases reported as of Epi Week 52, 2nd Jan 2022

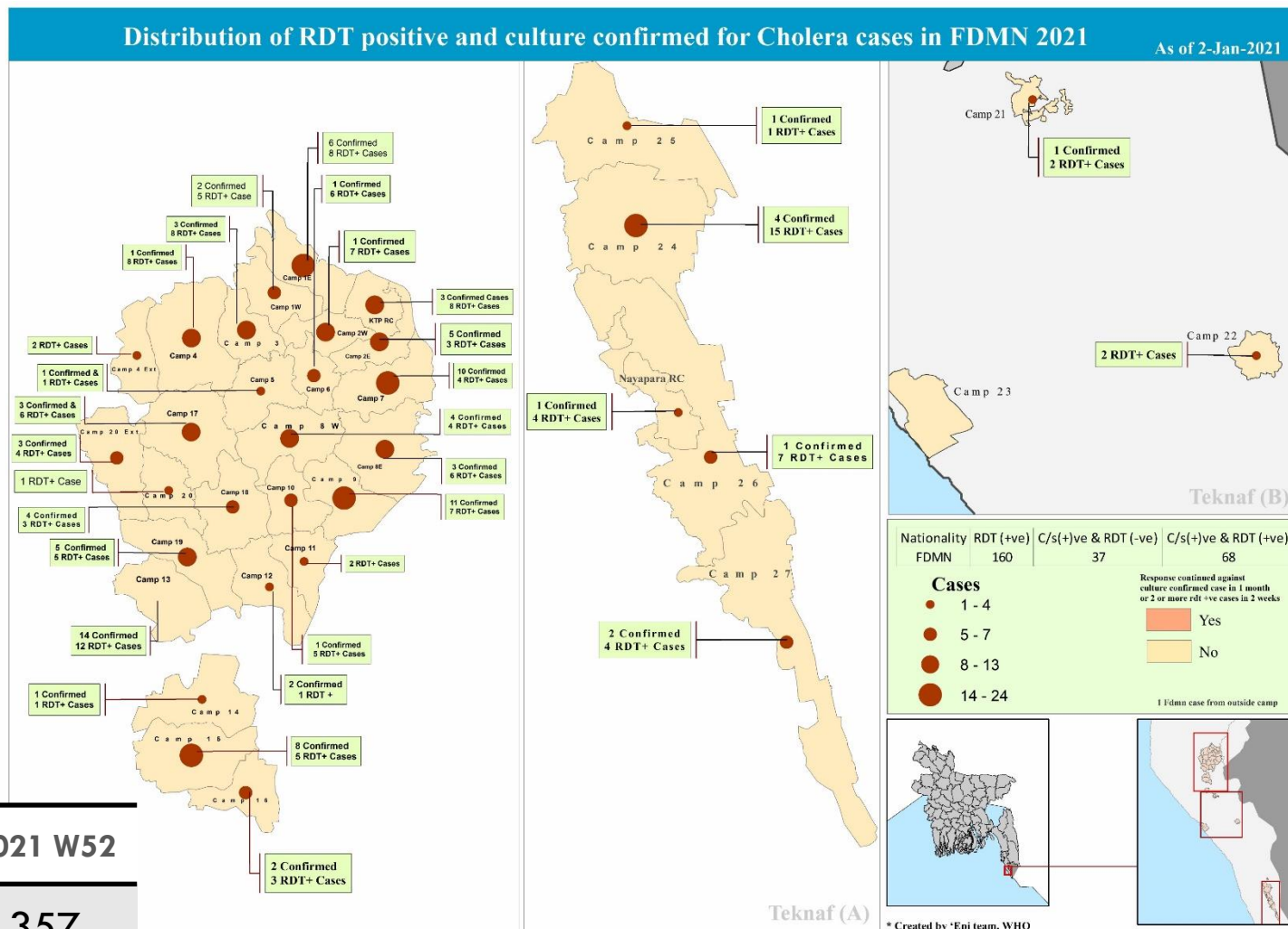
	Week/month		Cumulative	
Month/Epi Week	Confirmed case	Death	Confirmed case	Death
March	1	0	1	0
May	1	0	2	0
June	2	0	4	0
August	1	0	5	0
September	5	0	10	0
Week 40 (4-10 Oct)	3	0	13	0
Week 41 (11-17 Oct)	10	0	23	0
Week 42 (18-24 Oct)	104	0	127	0
Week 43 (25-31 Oct)	98	1	225	1
Week 44 (1-7 Nov)	40	1	265	2
Week 45 (8-14 Nov)	35	0	300	2
Week 46 (15-21 Nov)	121	1	421	3
Week 47 (22-28 Nov)	225	0	646	3
Week 48 (29 Nov- 5 Dec)	234	0	880	3
Week 49 (6-12 Dec)	225	0	1,105	3
Week 50 (13-19 Dec)	149	0	1,254	3
Week 51 (20-26 Dec)	187	0	1,441	3
Week 52 (27 Dec- 2 Jan)	53	0	1,494	3

Weekly Trends of Dengue Cases for 2018-2021



Cholera/AWD Surveillance, Cox's Bazar District, 2017-2021

- In week 52, 1 RDT positive case was reported and the sample was sent for testing. In 2021 total of three hundred and fifty-seven(357) Cholera RDT positive/culture cases were reported as of W52 2021. Out of those 136 were confirmed while 221 cases were discarded RDT confirmed.
- In 2020, a total of 28 RDT/Culture positive cases for Cholera were detected through sentinel testing. Specifically, 5 became confirmed by culture – 2 from Ukhiya Host, 1 from Teknaf host, and 2 from Refugees.



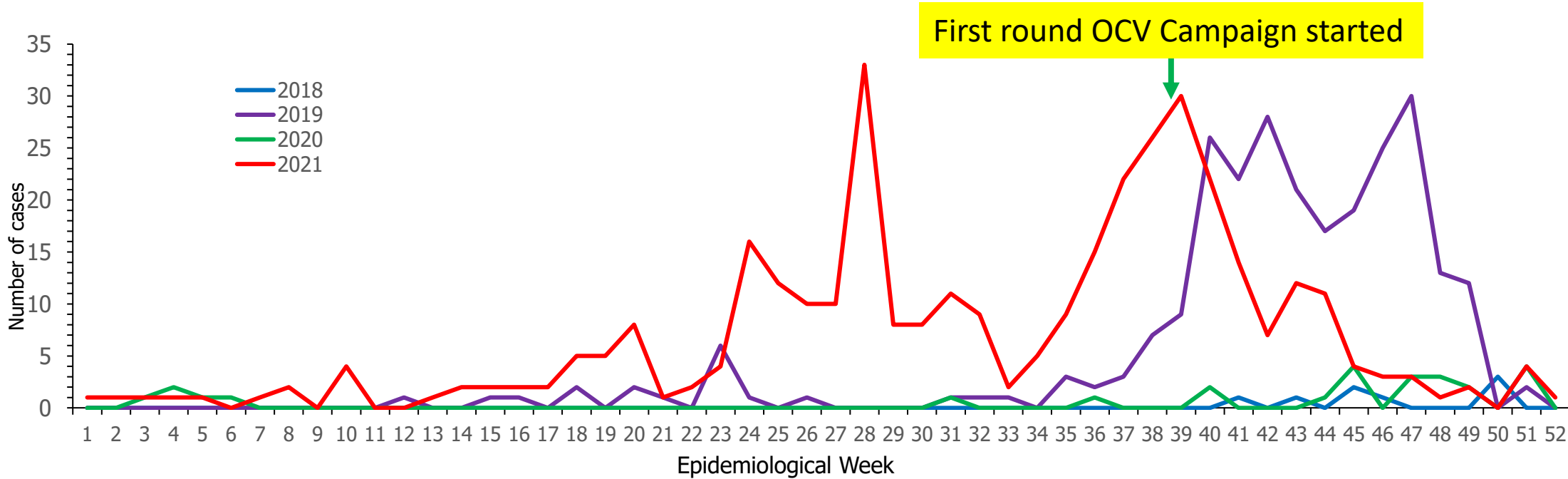
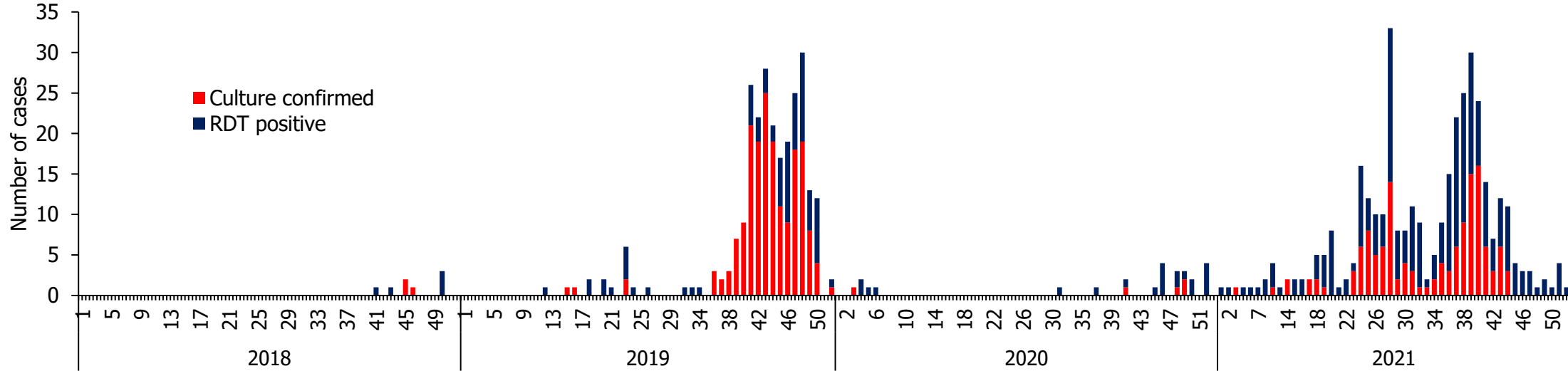
2018 2019 2020 2021 W52

RDT positive/culture confirmed for Cholera 49 258 28 357

Culture confirmed for Cholera 7 184 5* 136

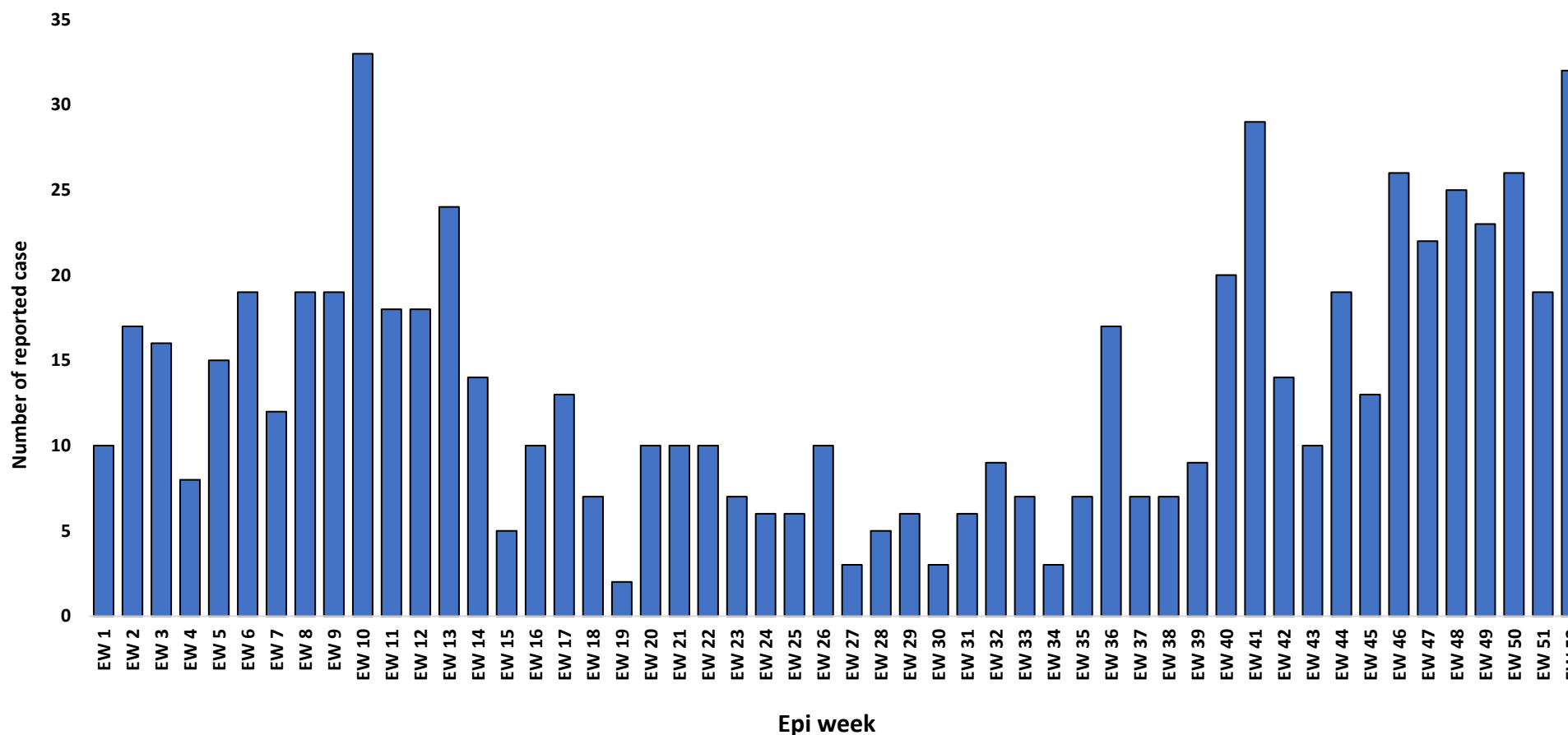
*3 culture confirmed cases were RDT negative in 2020

Epidemic curve of cholera/AWD Temporal Analysis, Cox's Bazar District, 2017-2021



Measles Surveillance Updates

Total number of Suspected Measles case reported in EWARS from W1-52 , 2021



In week 52, 32 suspected measles cases were reported through weekly reporting. This brings the total number of suspected measles cases to 716 reported in 2021.

About 64% (461/716) of the total reported suspected measles cases were reported through case-based reporting and samples collected for laboratory confirmation

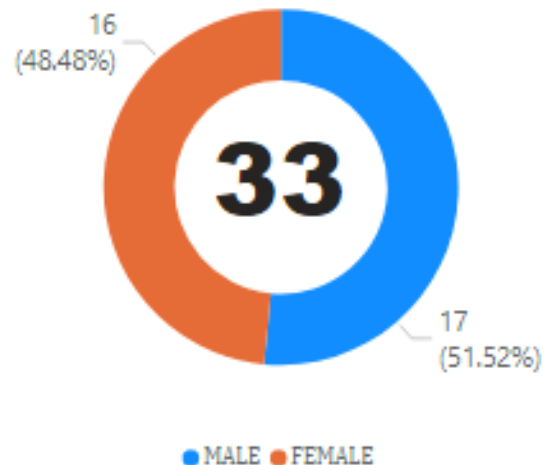
Community-based Mortality surveillance Updates

Probable Cause of Death	Week 52	In 2021
Still Birth	4 (12%)	255 (12%)
Neonatal Death (<28 days old)	--	211 (11%)
Infectious Disease	1 (3%)	46 (2%)
Severe Acute Respiratory Infection (SARI)	1 (3%)	47 (2%)
Injury	--	38 (2%)
Maternal Death	--	60 (3%)
Acute Malnutrition	--	1 (.05%)
Other	27 (82%)	1 409 (68%)
Total	33 (100%)	2 067(100%)

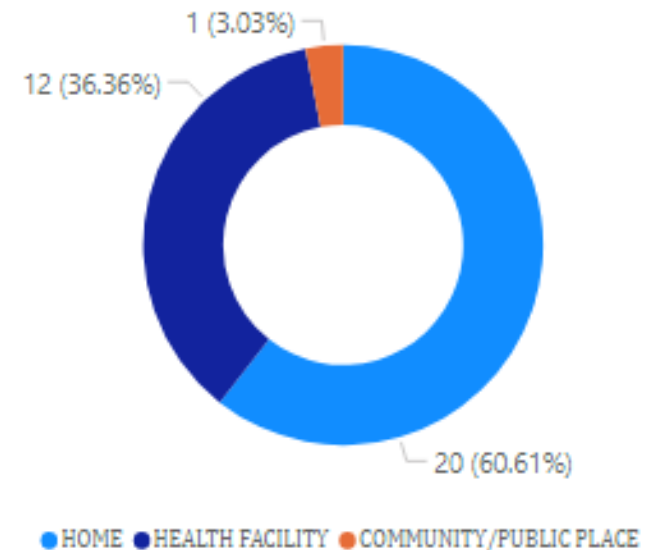
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

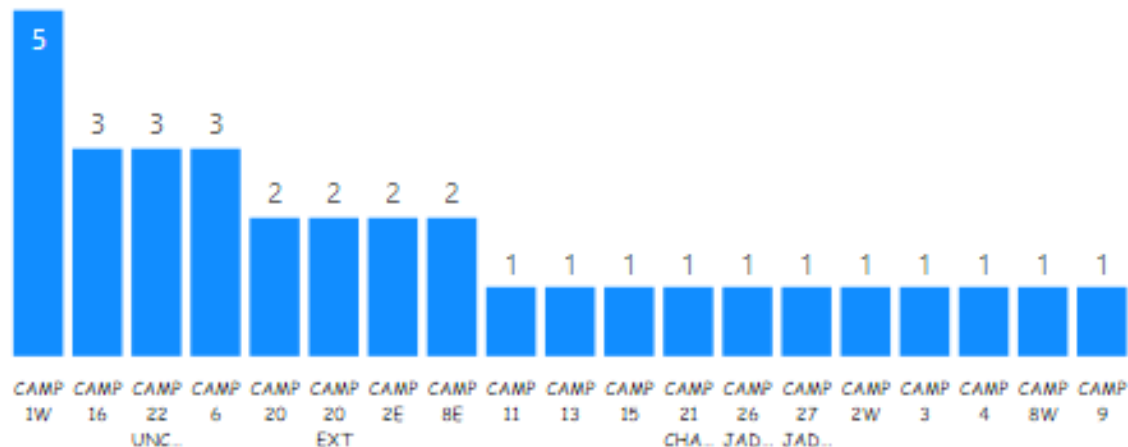
Gender distribution



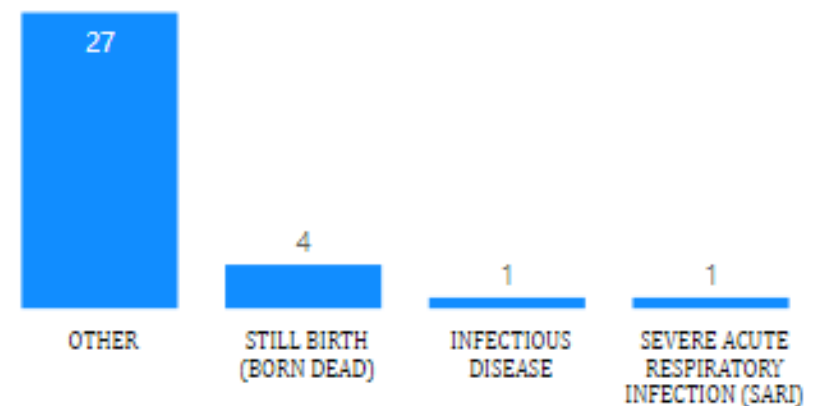
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W52 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 W52 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population ¹
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
171	98%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W52	Cumulative (2021)	
132	8736	Number of weekly reports received
77%	93%	Completeness
77%	87%	Timeliness

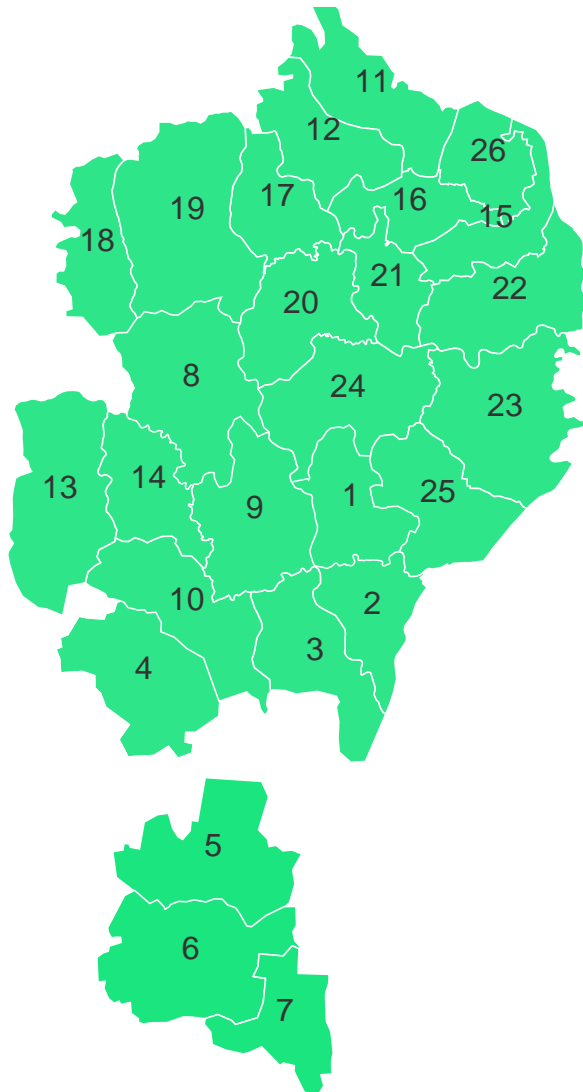
Table 3 | Alert performance indicators

W52	Cumulative (2021)	
81	3,716	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
1%	1%	% completed risk assessment

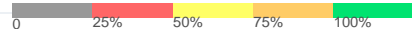
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

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

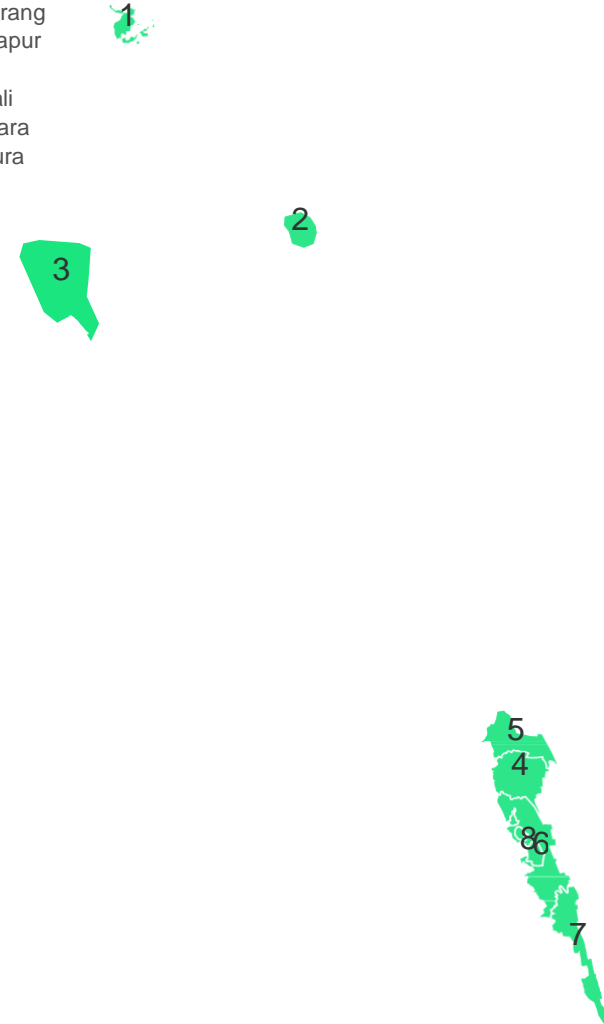


Completeness



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 (W52 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	3	75%	75%
Camp 1W	5	5	100%	100%
Camp 2E	3	3	100%	100%
Camp 2W	3	3	100%	100%
Camp 3	6	5	83%	83%
Camp 4	6	7	117%	117%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	2	1	50%	50%
Camp 7	5	2	40%	40%
Camp 8E	7	5	71%	71%
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 Ext
- 7 Camp 4
- 8 Camp 5
- 9 Camp 6
- 10 Camp 7
- 11 Camp 8E
- 12 Camp 8W
- 13 Kutupalong RC

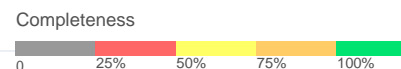
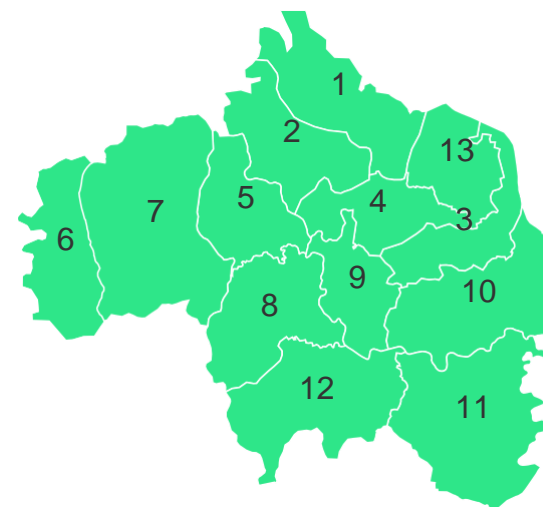


Table 5 | Performance by camp (W52 2021)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	100%	100%
Camp 11	8	7	88%	88%
Camp 12	6	5	83%	83%
Camp 13	10	7	70%	70%
Camp 14	7	5	71%	71%
Camp 15	9	5	56%	56%
Camp 16	7	5	71%	71%
Camp 17	5	4	80%	80%
Camp 18	5	4	80%	80%
Camp 19	5	4	80%	80%
Camp 20	3	3	100%	100%
Camp 20 Ext	3	2	67%	67%
Camp 9	6	4	67%	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 Ext
- 12 Camp 20
- 13 Camp 9

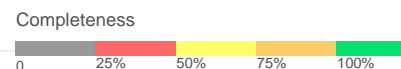
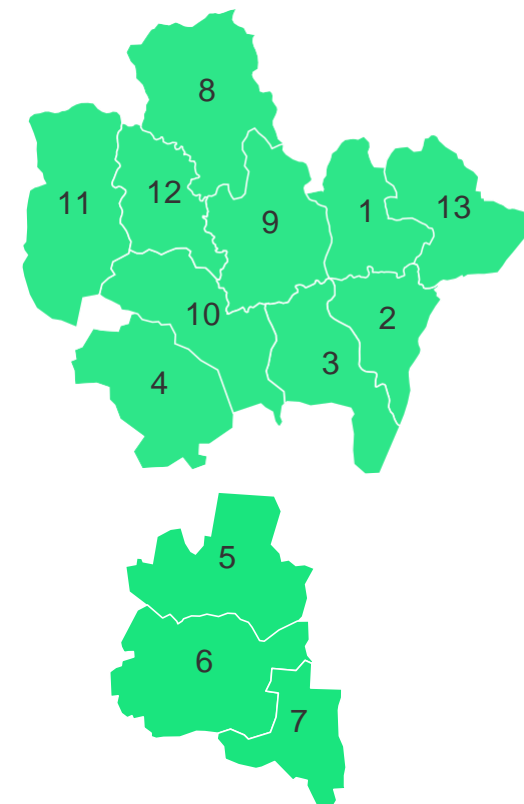


Table 6 | Performance by camp (W52 2021)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	5	4	80%	80%
Camp 23 Shamlapur	3	2	67%	67%
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	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

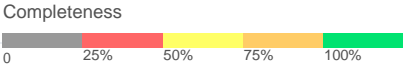
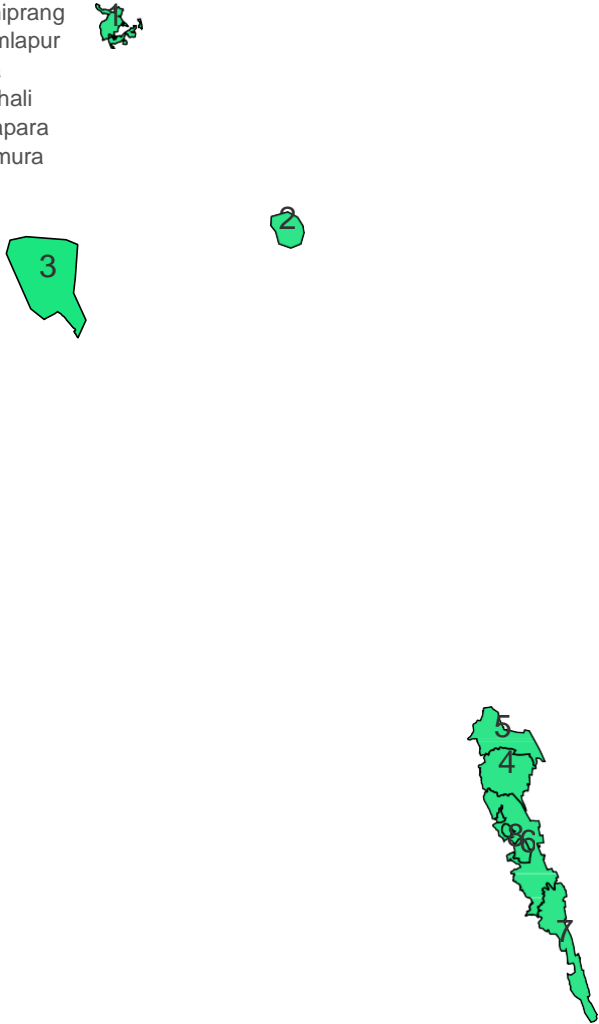


Table 7 | Performance by partner (W52 2021)

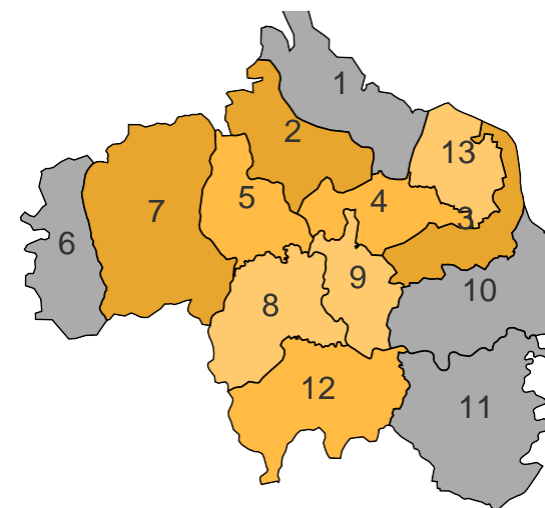
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	1	1	100%	100%	IRC	2	2	100%	100%
AWARD	7	0	0%	0%	MSF	9	6	67%	67%
BASHMAH	1	0	0%	0%	MoH	20	12	60%	60%
BDRCS	11	6	55%	55%	MHI	0	0		
BRAC	11	11	100%	100%	Medair	2	2	100%	100%
CARE	4	4	100%	100%	FH/MTI	3	3	100%	100%
DAM	1	0	0%	0%	PRANTIC	1	1	100%	100%
DBC	1	1	100%	100%	PULSE	1	1	100%	100%
DSK	1	0	0%	0%	QC	1	1	100%	100%
DCHT-PWJ	0	0			PHD	10	8	80%	80%
FRNDS	7	0	0%	0%	RPN	2	2	100%	100%
GK	10	10	100%	100%	RHU	3	3	100%	100%
Global One	1	1	100%	100%	RI	3	3	100%	100%
GUSS	1	1	100%	100%	RTMI	10	9	90%	90%
HAEFA	2	2	100%	100%	SALT	1	1	100%	100%
HAIB	8	8	100%	100%	SCI	7	7	100%	100%
HMBDF	2	2	100%	100%	SHED	0	0		
HOPE	1	2	200%	200%	Turkish Government	1	1	100%	100%
ICRC	1	1	100%	100%	TdH	2	2	100%	100%
IOM	17	14	82%	82%					

Table 8 | Performance by camp

Northern group	W52		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	0	0%	0	0%
Camp 1W	6	100%	4	100%
Camp 2E	8	100%	7	100%
Camp 2W	3	100%	3	100%
Camp 3	5	100%	5	100%
Camp 4	7	100%	7	100%
Camp 4 Ext	0	0%	0	0%
Camp 5	1	100%	1	100%
Camp 6	1	100%	0	0%
Camp 7	0	0%	0	0%
Camp 8E	0	0%	0	0%
Camp 8W	5	100%	6	100%
Kutupalong RC	2	100%	3	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 Ext
- 7 Camp 4
- 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	W52		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	0	0%	0	0%
Camp 11	2	100%	2	100%
Camp 12	5	100%	5	100%
Camp 13	4	100%	2	100%
Camp 14	0	0%	0	0%
Camp 15	1	100%	1	100%
Camp 16	2	100%	2	100%
Camp 17	1	100%	1	100%
Camp 18	2	100%	1	100%
Camp 19	0	0%	0	0%
Camp 20	4	100%	3	100%
Camp 20 Ext	3	100%	2	100%
Camp 9	4	100%	3	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 Ext
- 12 Camp 20
- 13 Camp 9

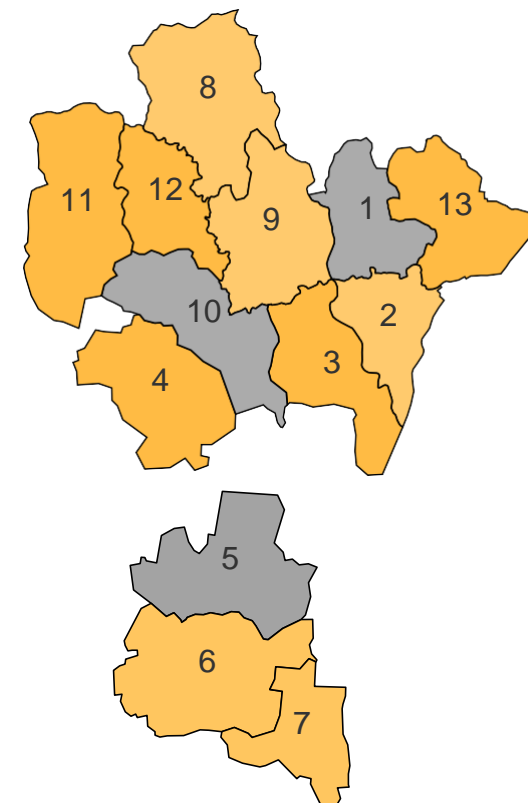
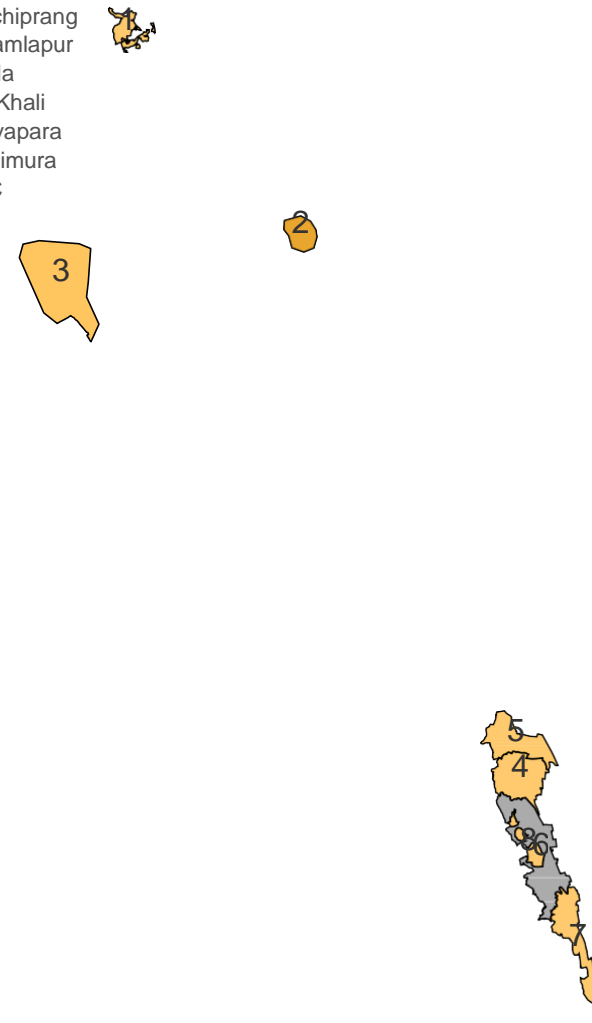


Table 10 | Performance by camp

Teknaf	W52		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	1	100%	1	100%
Camp 22 Unchiprang	6	100%	6	100%
Camp 23 Shamlapur	1	100%	1	100%
Camp 24 Leda	1	100%	2	100%
Camp 25 Ali Khali	1	100%	1	100%
Camp 26 Nayapara	0	0%	1	100%
Camp 27 Jadimura	2	100%	1	100%
Nayapara RC	1	100%	1	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	W52		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	5	100%
Measles	8	100%	433	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	24	100%
Meningitis	1	0%	37	100%
Haem. fever (susp.)	0	0%	16	100%
NNT	1	100%	5	100%
Unexp. fever	6	100%	186	100%
AWD	7	100%	306	100%
ARI	13	100%	357	100%
AJS	0	0%	56	100%
Varicella (Susp.)	0	0%	34	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	3	100%	267	100%

Table 12 | Risk assessment

W52	Cumulative (2021)	
0	29	Low risk
0	16	Moderate risk
0	2	High risk
0	0	Very high risk

For more help and support, please contact:

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Notes

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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 W52 2021



Ministry of Health and Family
Welfare Bangladesh



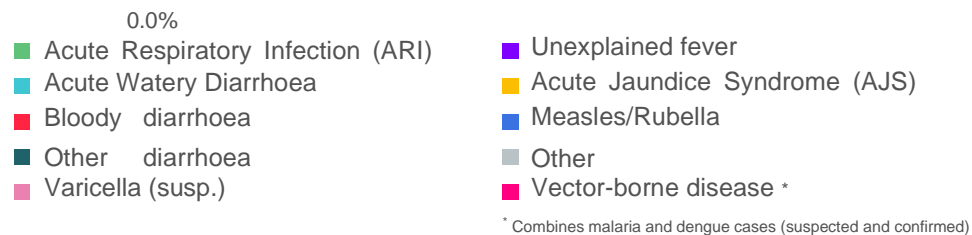
HEALTH SECTOR
COX'S BAZAR



Printed: 09:53 Tuesday, 04 January 2022 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W52 2021)



Disease	W52		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	1,887	2.2%	151,123	3.4%
Bloody diarr.	319	0.4%	18,295	0.4%
Other diarr.	792	0.9%	49,592	1.1%
Susp. Varicella	15	0.0%	4,201	0.1%
ARI	16,939	20.0%	797,562	17.5%
Measles/Rub.	32	0.0%	719	0.0%
AFP	0	0.0%	26	0.0%
Susp. menin.	0	0.0%	135	0.0%
AJS	6	0.0%	607	0.0%
Susp. HF	0	0.0%	29	0.0%
Neo. tetanus	1	0.0%	4	0.0%
Adult tetanus	0	0.0%	4	0.0%
Malaria (conf.)	8	0.0%	38	0.0%
Malaria (susp.)	4,395	5.2%	55,712	1.2%
Dengue (conf.)	96	0.1%	1,934	0.0%
Dengue (susp.)	36	0.0%	1,710	0.0%
Unexpl. fever	1,598	1.9%	53,818	1.2%
Sev. Malnut.	72	0.1%	2,061	0.0%
Inj./Wounds	1,613	1.9%	115,825	2.6%
Other	56,982	67.1%	3,291,929	72.4%
Total	83,296	100%	4,594,425	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W52)

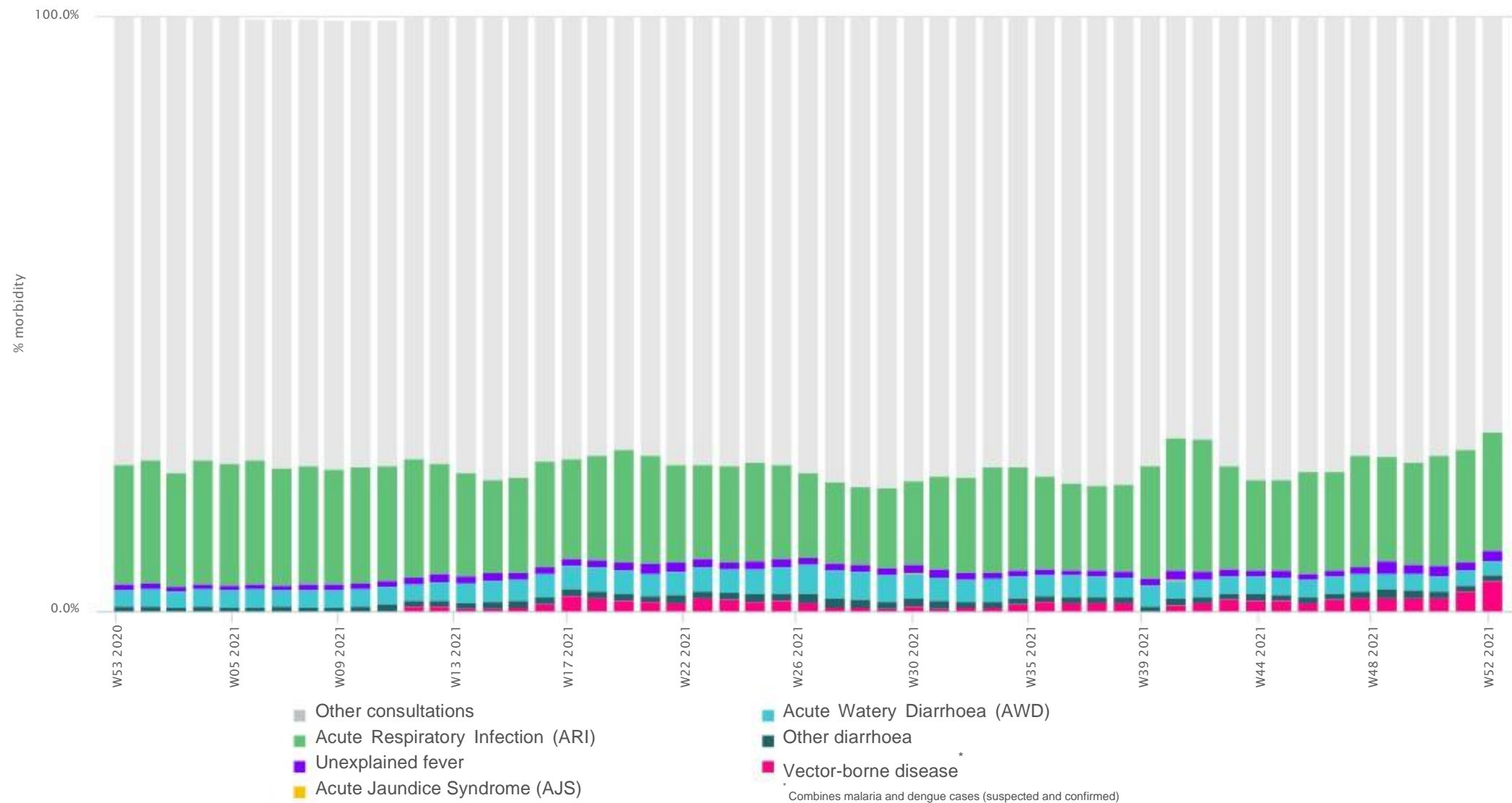
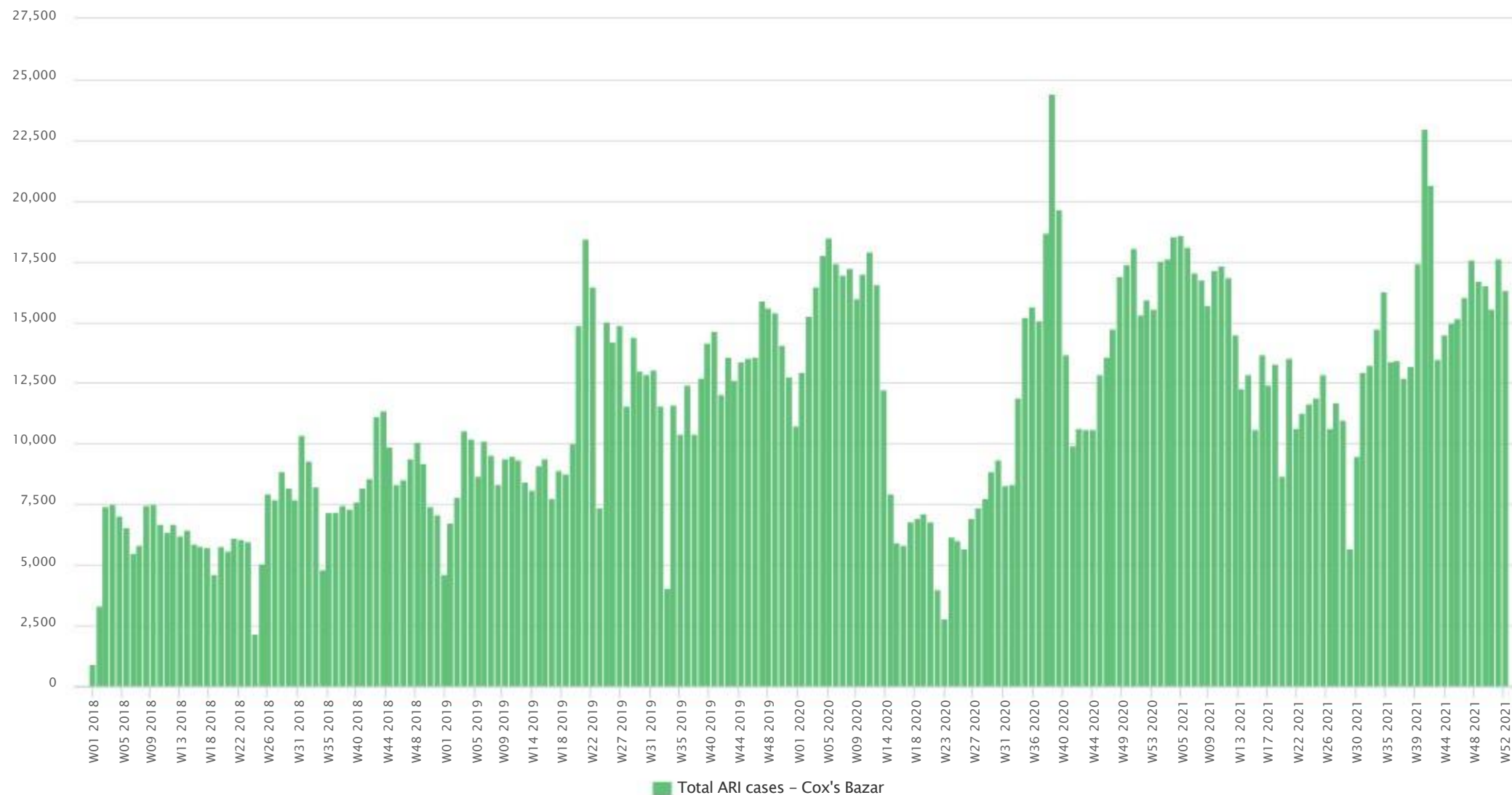


Figure 3 | Trend in number of cases over time (W38 2017 - W52 2021)



Map 1 | Map of cases by camp (W52 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

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

Alert management (W52 2021)

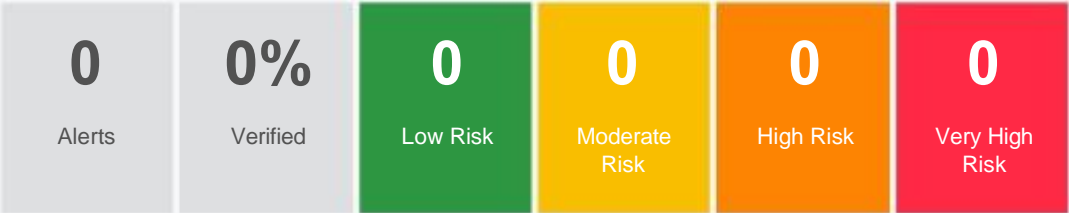


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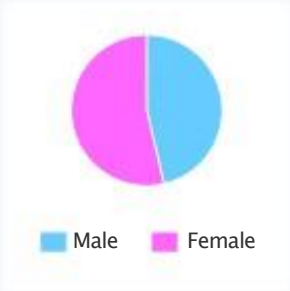


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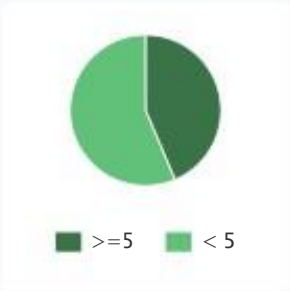
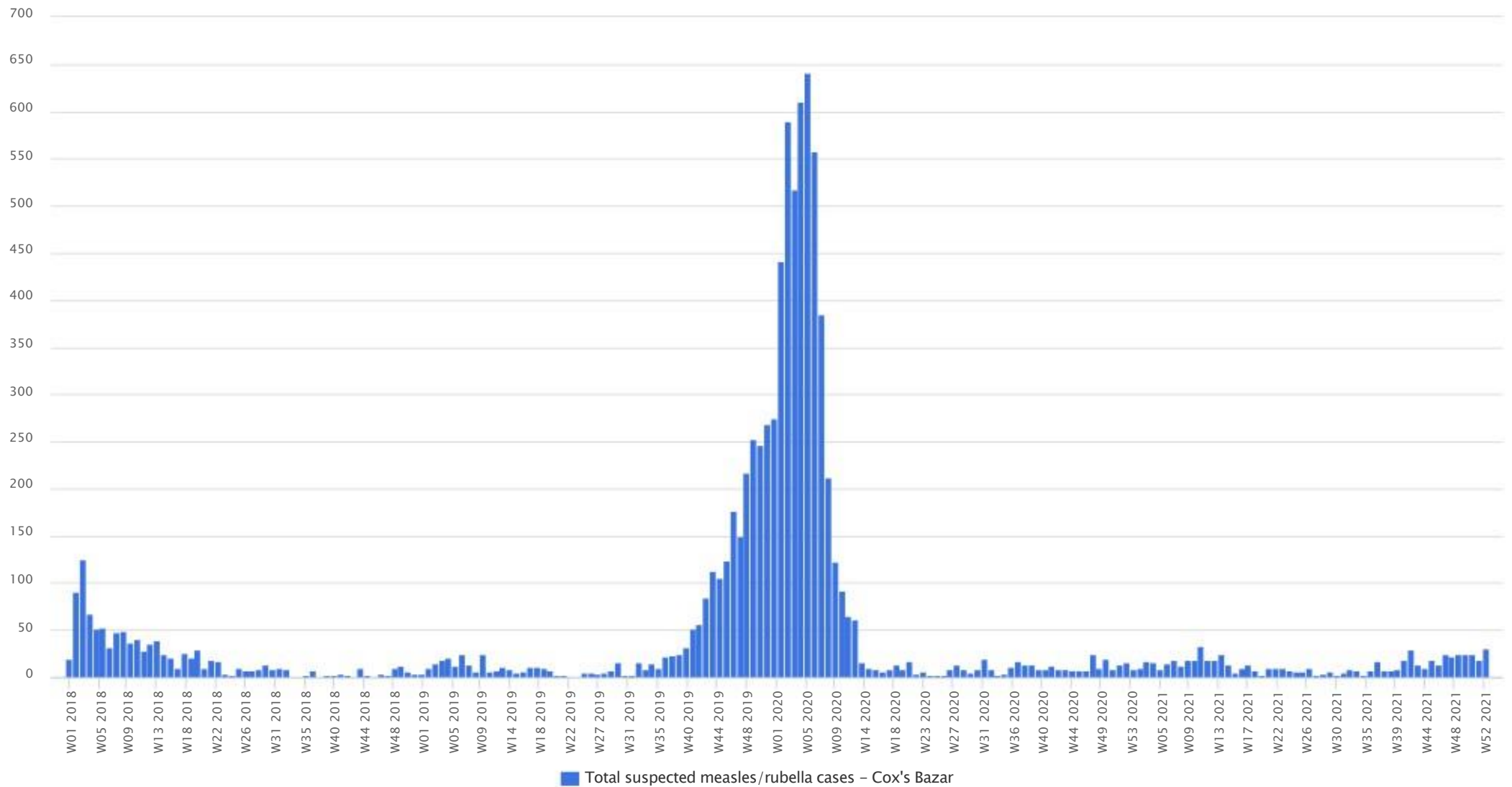


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W52 2021)



Map 2 | Map of cases by camp (W52 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 (W52 2021)



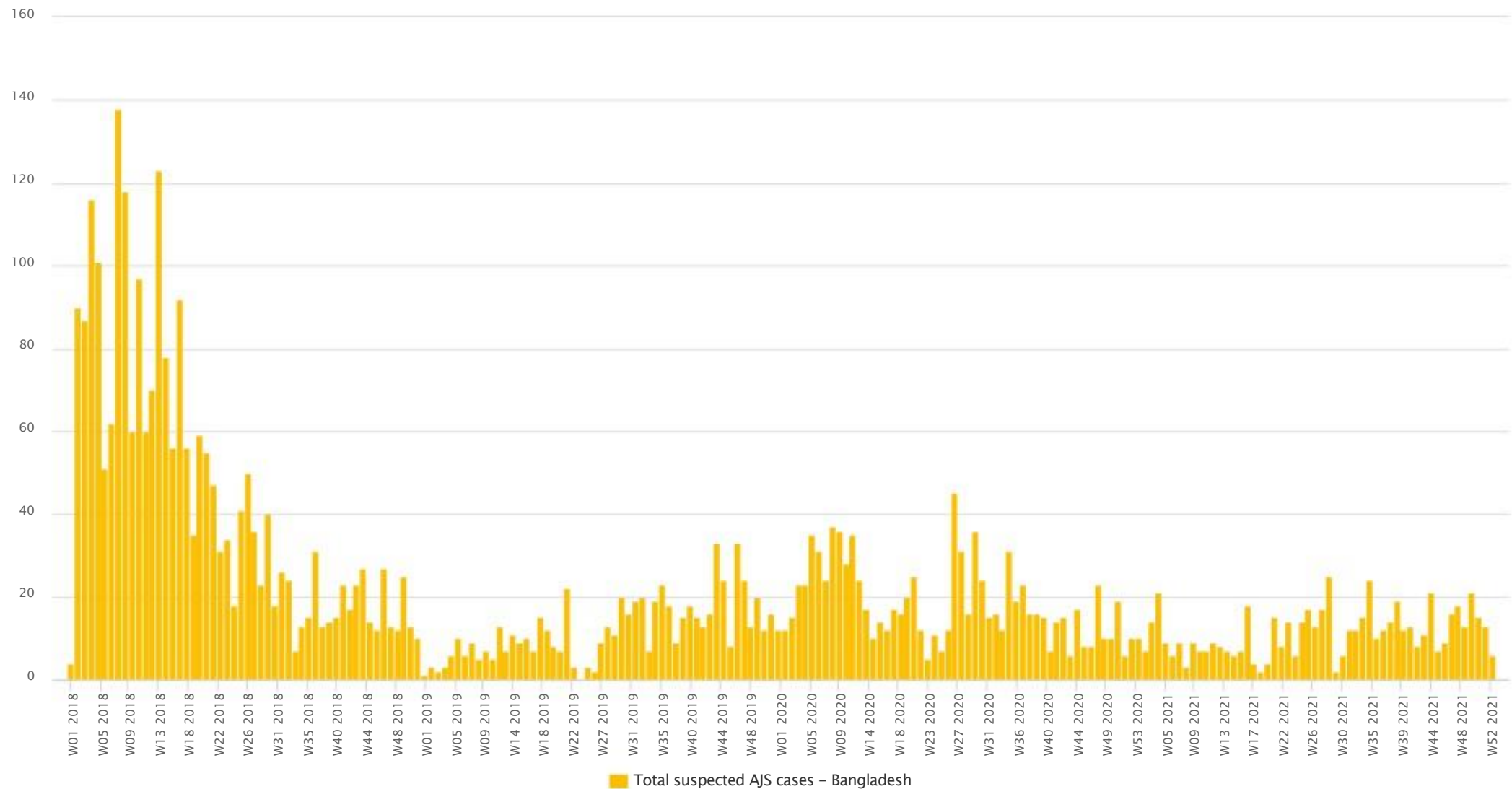
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Figure 5 | Trend in number of cases over time (W38 2017 - W52 2021)



Map 3 | Map of cases by camp (W37 2017 - W52 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 (W52 2021)

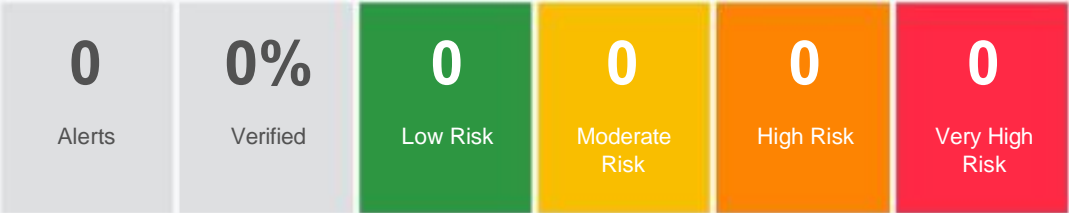


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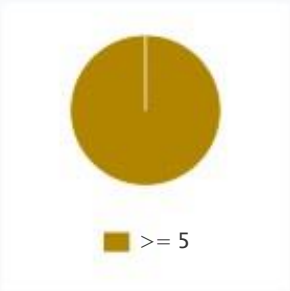


Figure 6 | Trend in number of cases over time (W38 2017 - W52 2021)

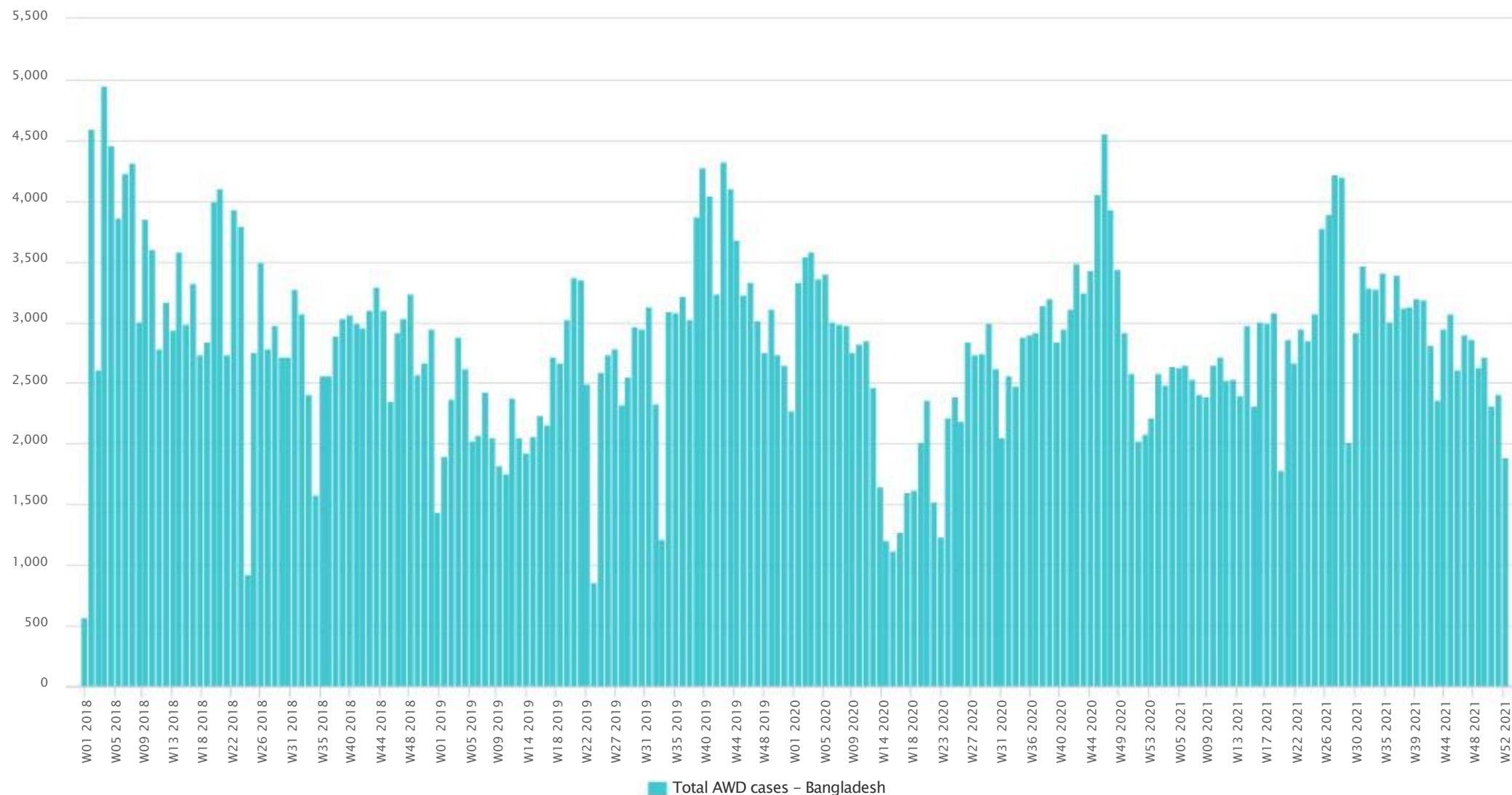
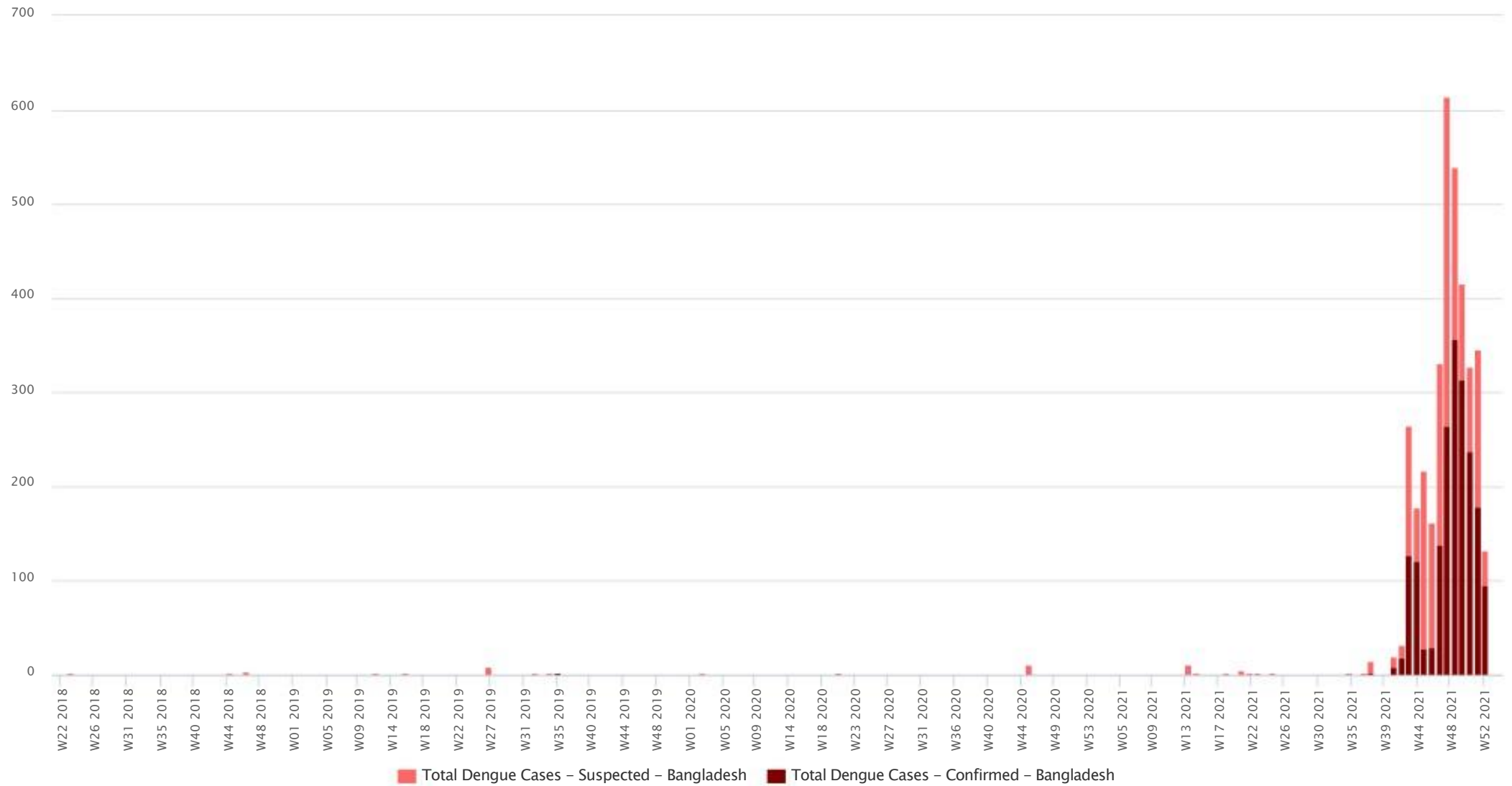


Figure 7 | Trend in number of cases over time (W38 2017 - W52 2021)



Map 4 | Map of cases by camp (W37 2017 - W52 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

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Alert management (W52 2021)

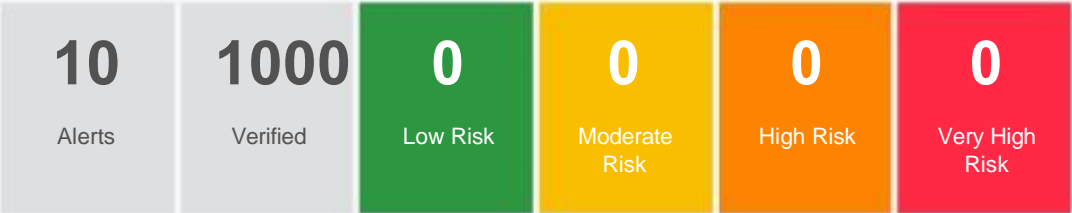


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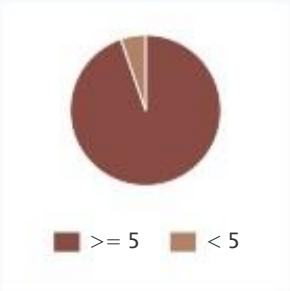
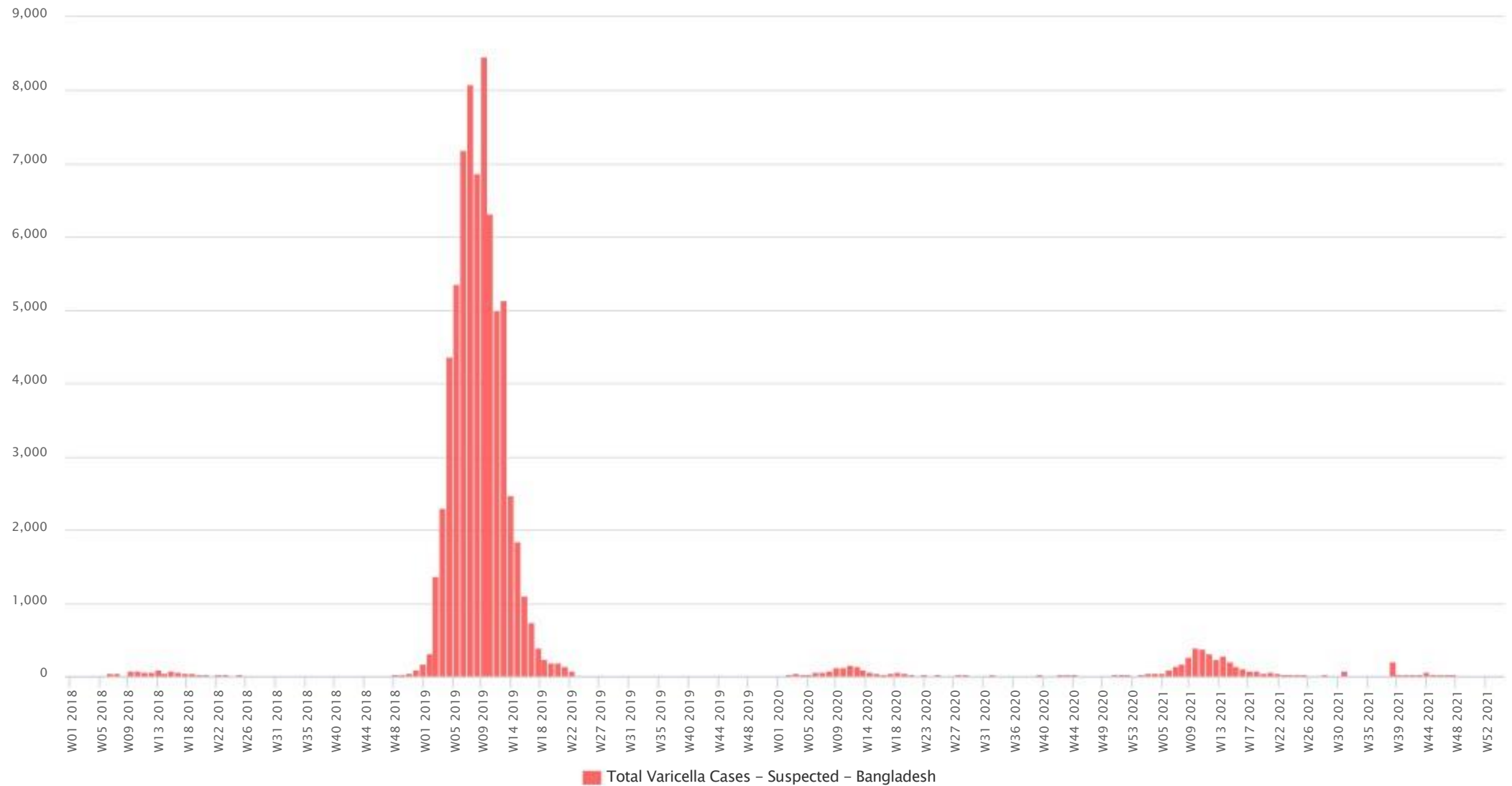


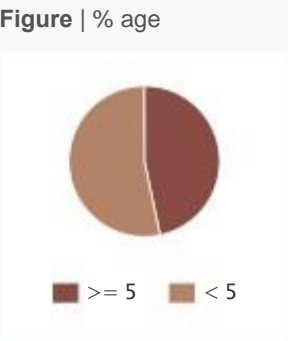
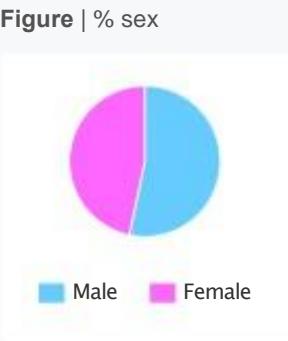
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