



Epidemiological Highlights

Week 5 (31 Jan- 6 Feb 2022)



**World Health
Organization**

Highlights: COVID-19

As of week 5, (31 Jan-6 Feb 2022) there were 4,545 confirmed cases of COVID-19 (SARS-CoV-2), out of 88,092 samples that had been submitted for testing. The total positivity rate now stands at 5.2%.

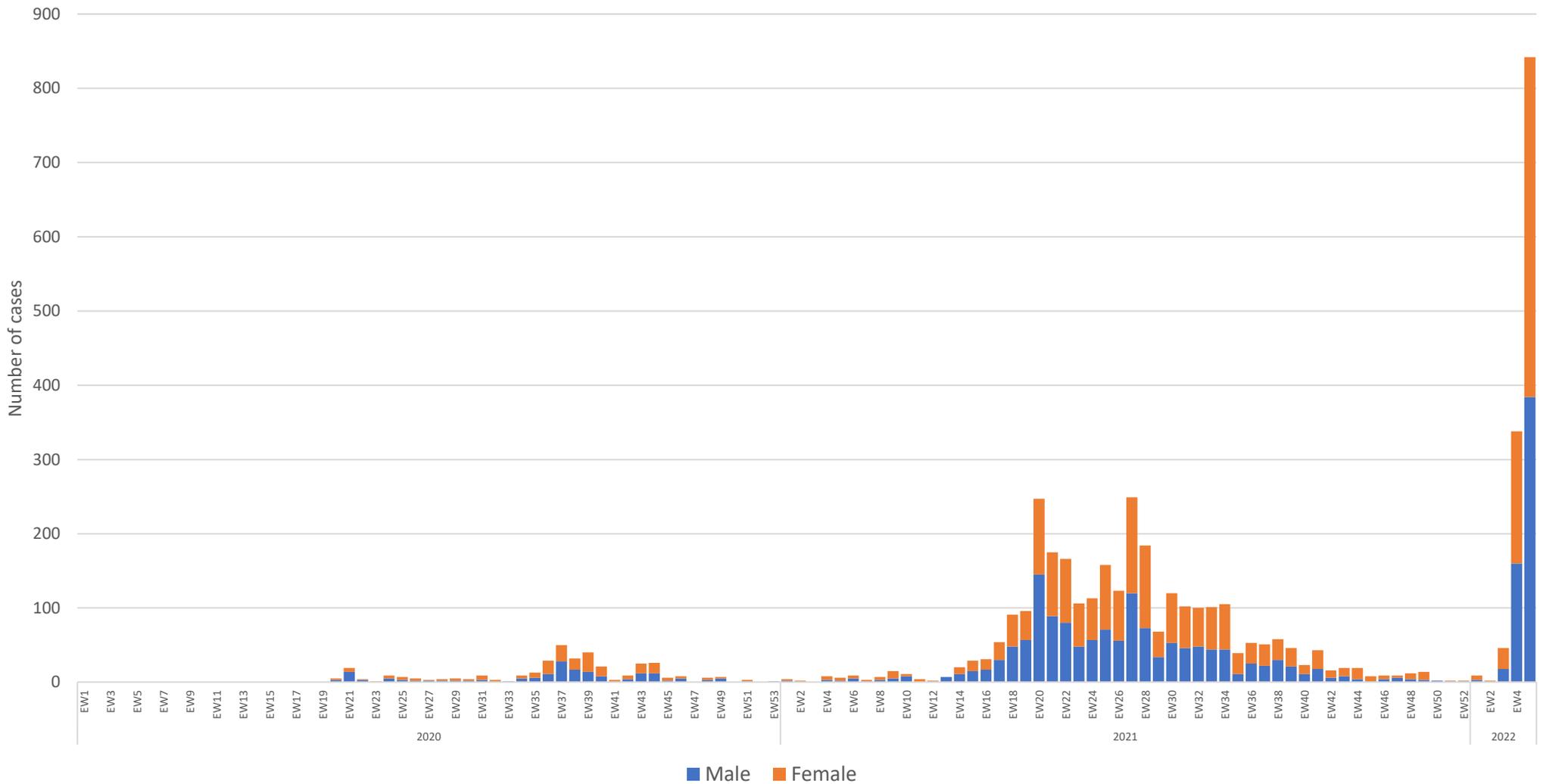
In the reporting week, eight forty-two (842) new confirmed cases were detected out of 1,891 total samples tested. This translated to a 44.5% Test Positivity Rate (TPR) which is up from 21.0% reported the previous week.

As of this week (week 5)

- 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 were 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; C4-301, C24-278, C17-300, C2W-283, and C3-268
- No new death was reported in this Epi week again. Total confirmed COVID-19 deaths so far reported to date remains at 35 with the average case fatality ratio of 0.8%
- The weekly incidence was 979.3 cases/1 million population in this Epi week which is substantially higher in comparison with the previous week

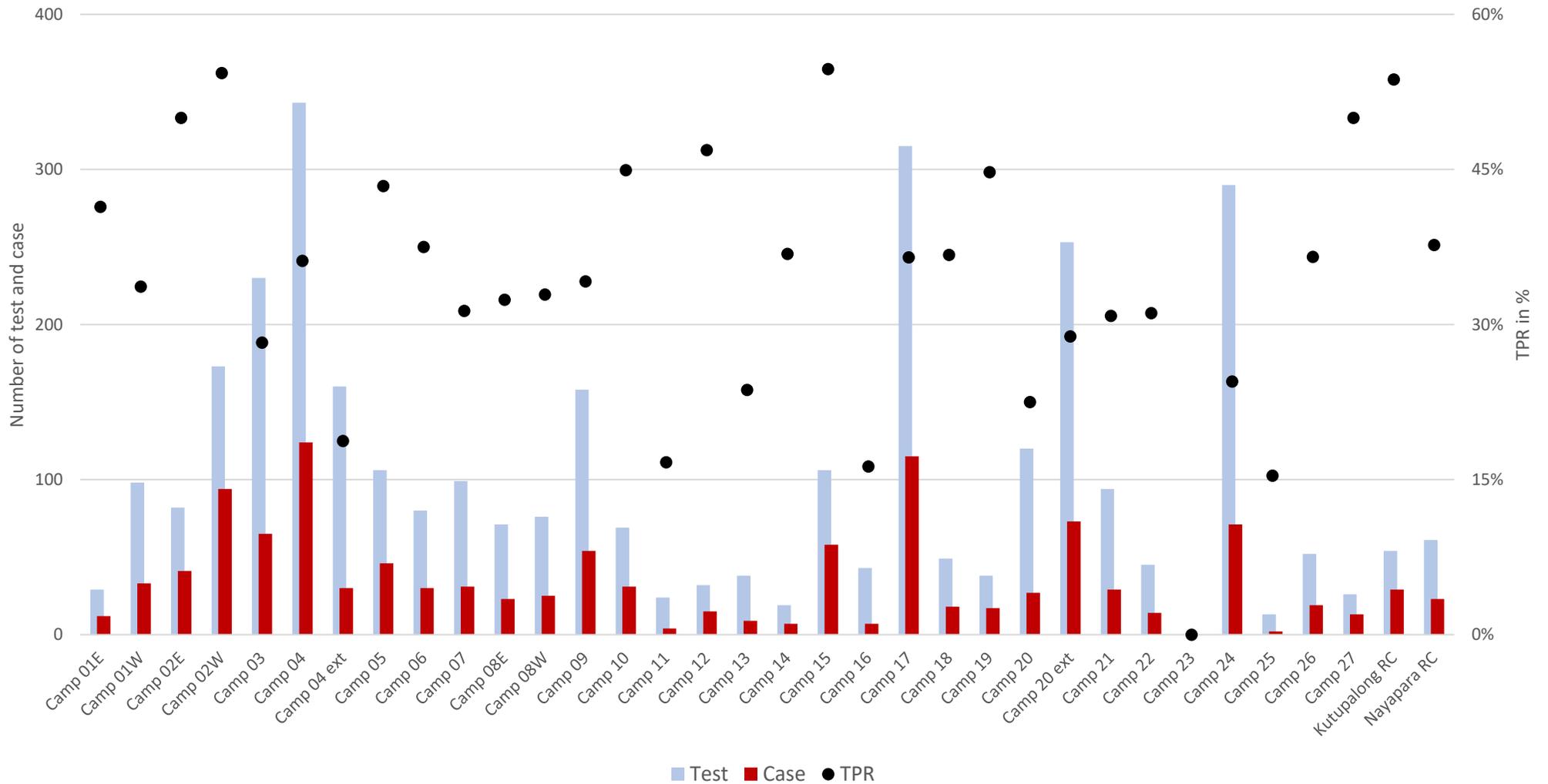
Highlights: COVID-19

COVID-19 positive cases (n=4,545) by epidemiological week by date of test



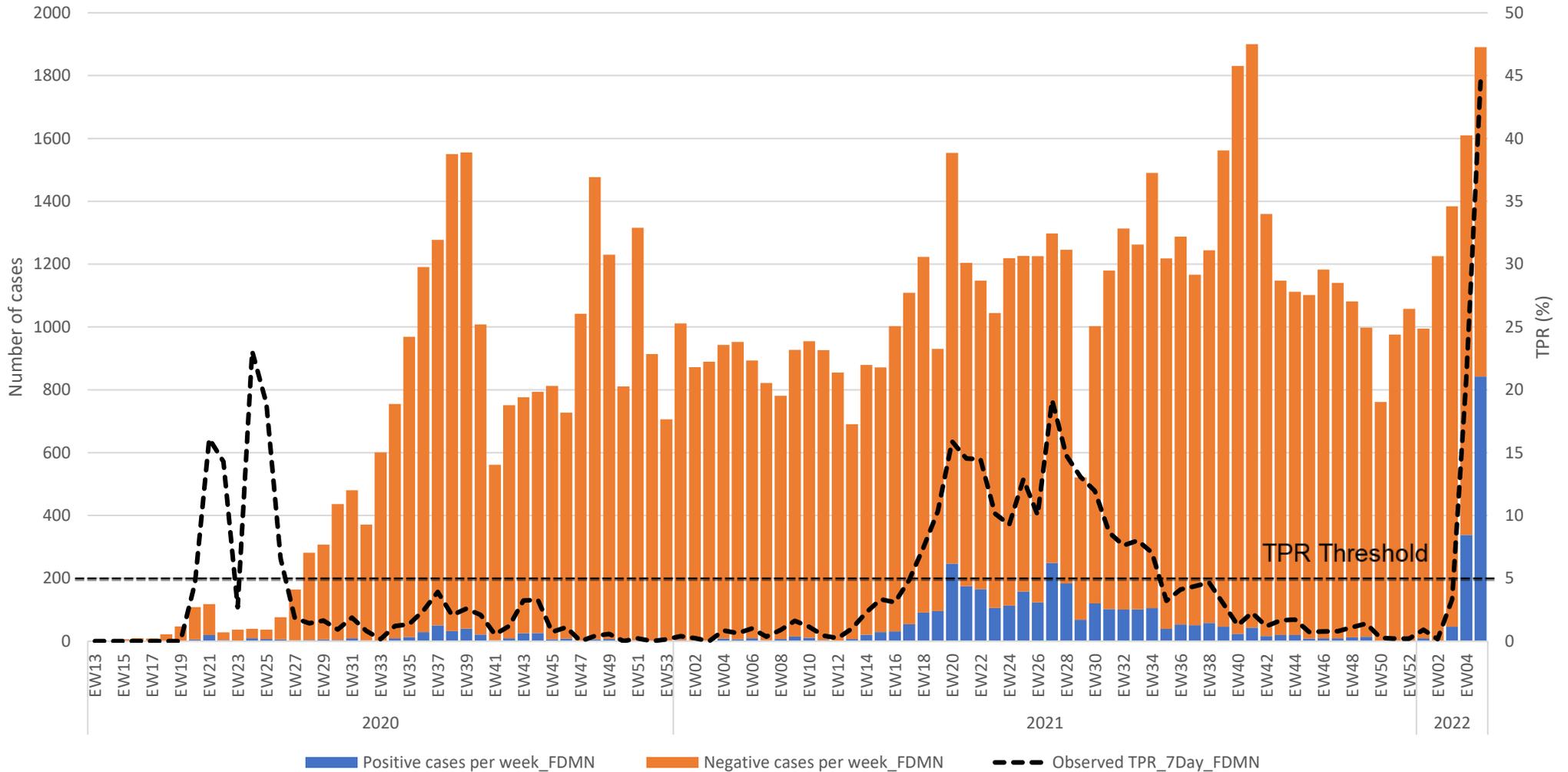
Highlights: COVID-19

COVID-19 test case and TPR per camp, Week 4-5

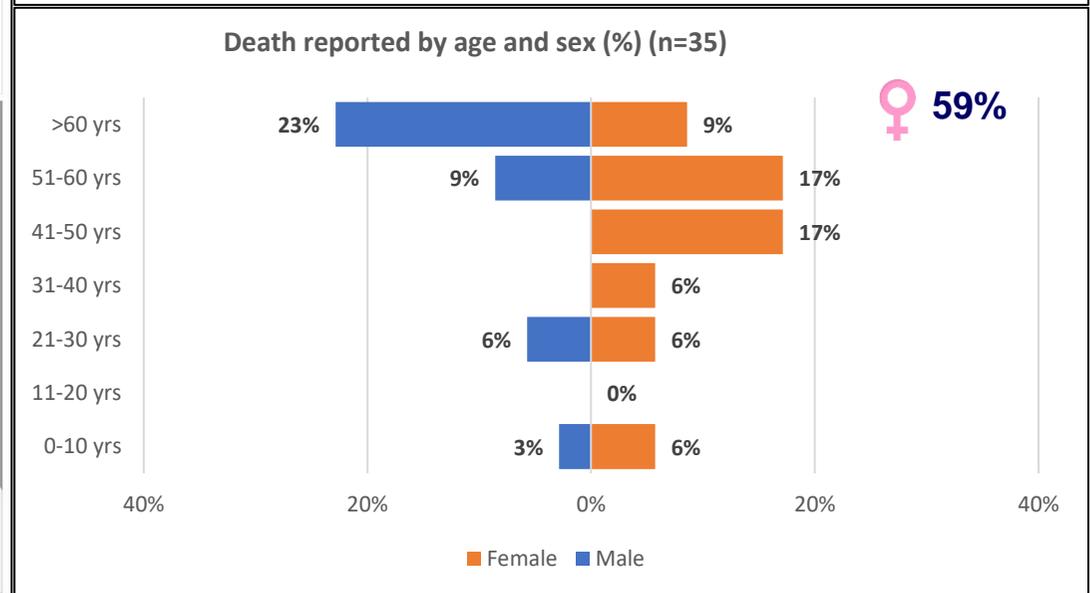
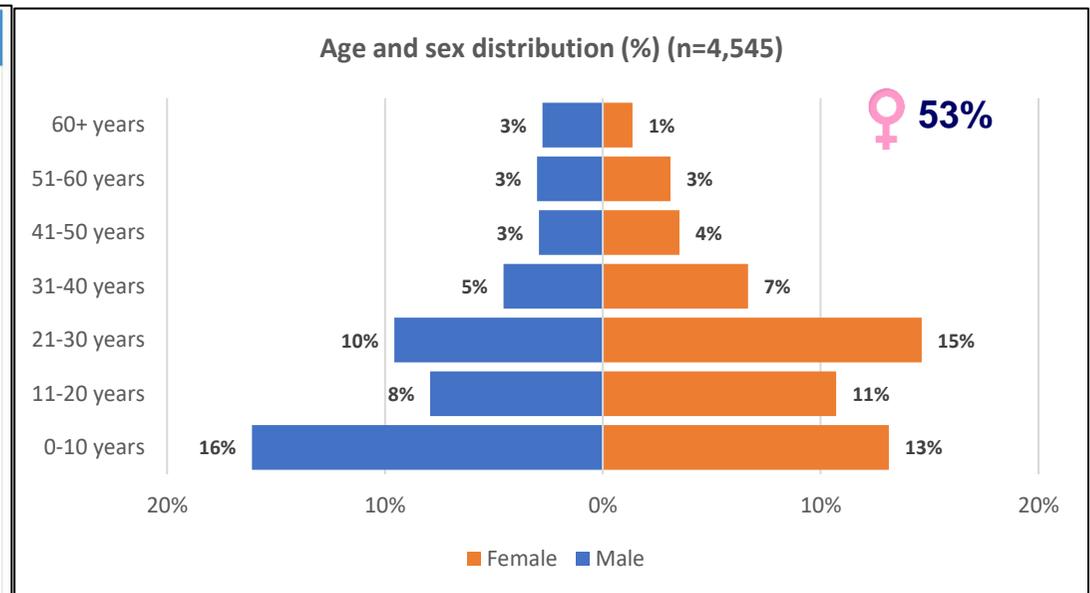
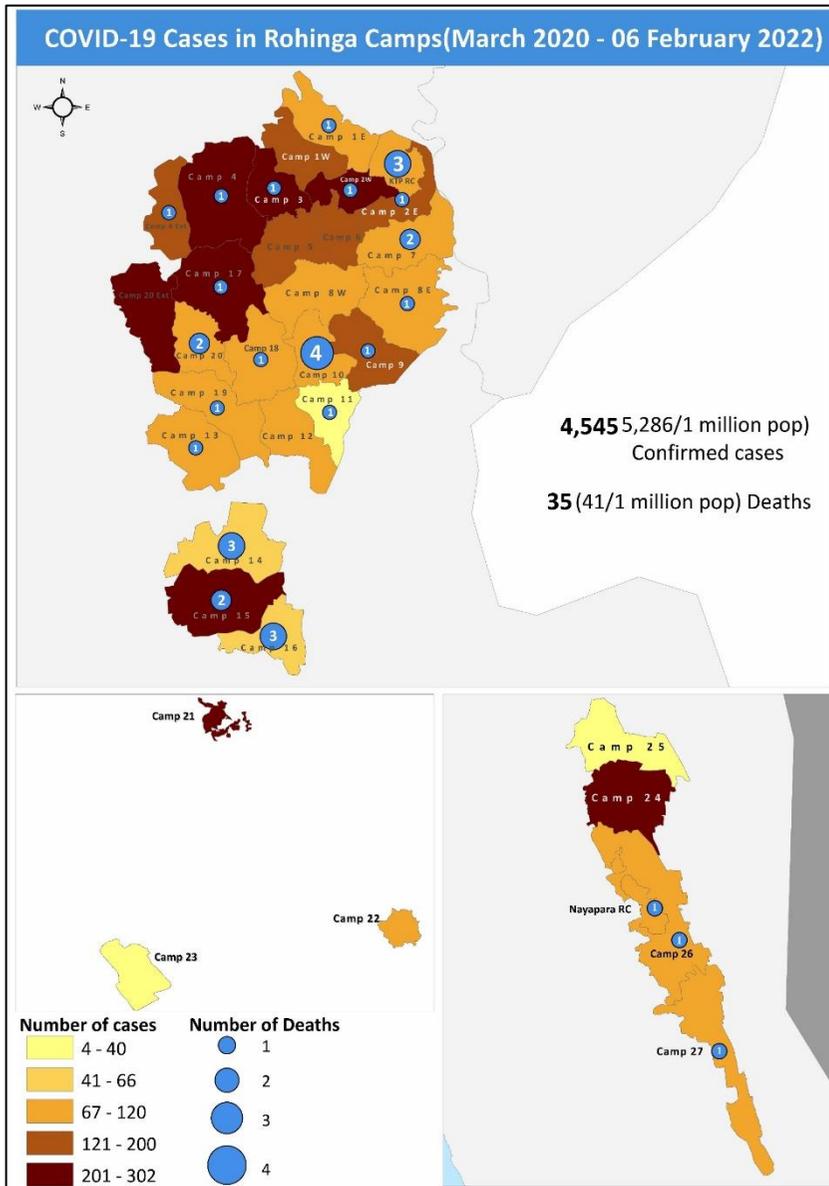


Highlights: COVID-19

Weekly observed Test Positivity Rate (TPR), FDMN/Rohingya Refugees, Cox's Bazar

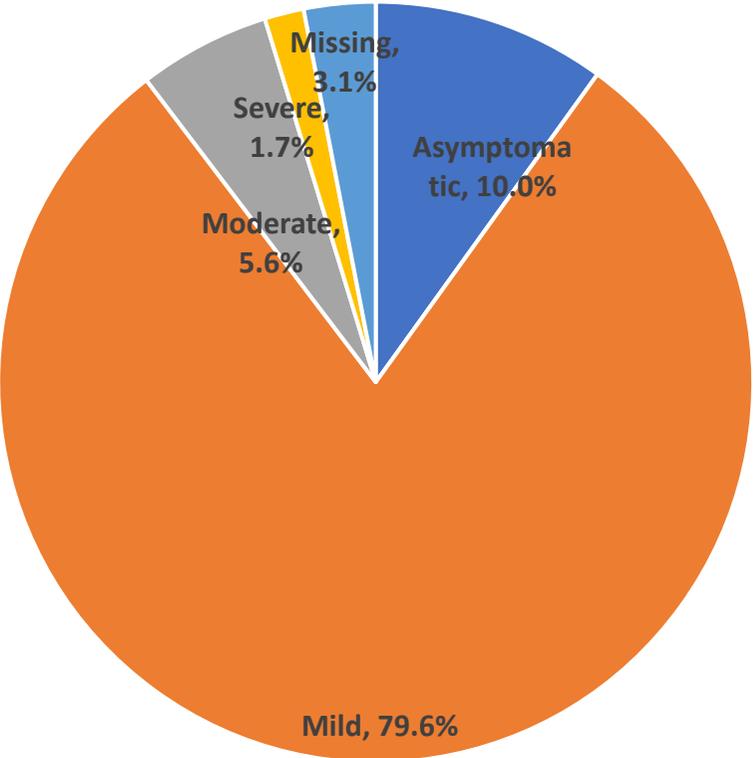


Highlights: COVID-19

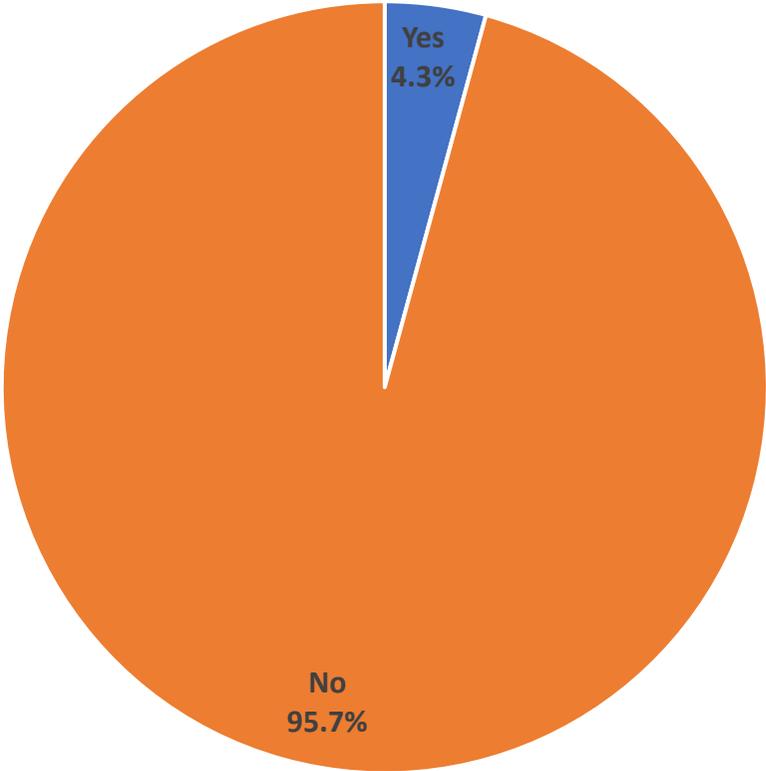


Highlights: COVID-19

Severity of reported cases at presentation (n=3,687)



Did the case report at least 1 co-morbidity (n=3,687)



Source: Go.Data

Highlights: COVID-19

- Total 3,687 (out of 4,545) of the confirmed cases have been investigated by the Rapid Investigation and Response Team(RIRTs)
- Contact tracing continues to be undertaken by CT supervisors with 10,157 (74%) contacts registered for follow-up in the Go.Data out of 13,683 total contacts so far were identified during the field investigation.
- 7,798 (77%) contacts successfully accomplished the follow-up.
- 347 household contacts tested positive within the incubation period. This translates to a 3.4% seroconversion rate based on contacts registered in Go.Data

Source: Go.Data

EWARS Reporting Updates

- Currently, a total of 168 health facilities are registered in EWARS
 - Only 149/168 weekly reports were received on time in week 5
 - Timeliness of reporting for this week was 89%
 - Eighty (80) alerts were triggered
 - All alerts were reviewed and verified by the WHO EWARS team; the number is more than that of the previous week (76 alerts in week 4, 2022).

Highlights: Morbidities and Mortalities

- Acute Respiratory Infections (22.2%), Diarrheal Diseases (3.6%) & Injury and wounds (1.6%) were the diseases and health conditions with the highest proportional morbidity in week 5.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
- This Epi week, there was three (3) suspected SARI death reported. The detailed update was given below:

Year	Suspected SARI death reported	Reclassified as death due to probable COVID-19
2022	19	2
2021	96	15
2020	49	2

Diphtheria Surveillance Updates

One (1) suspected diphtheria cases were reported in Go.Data in this Epi week

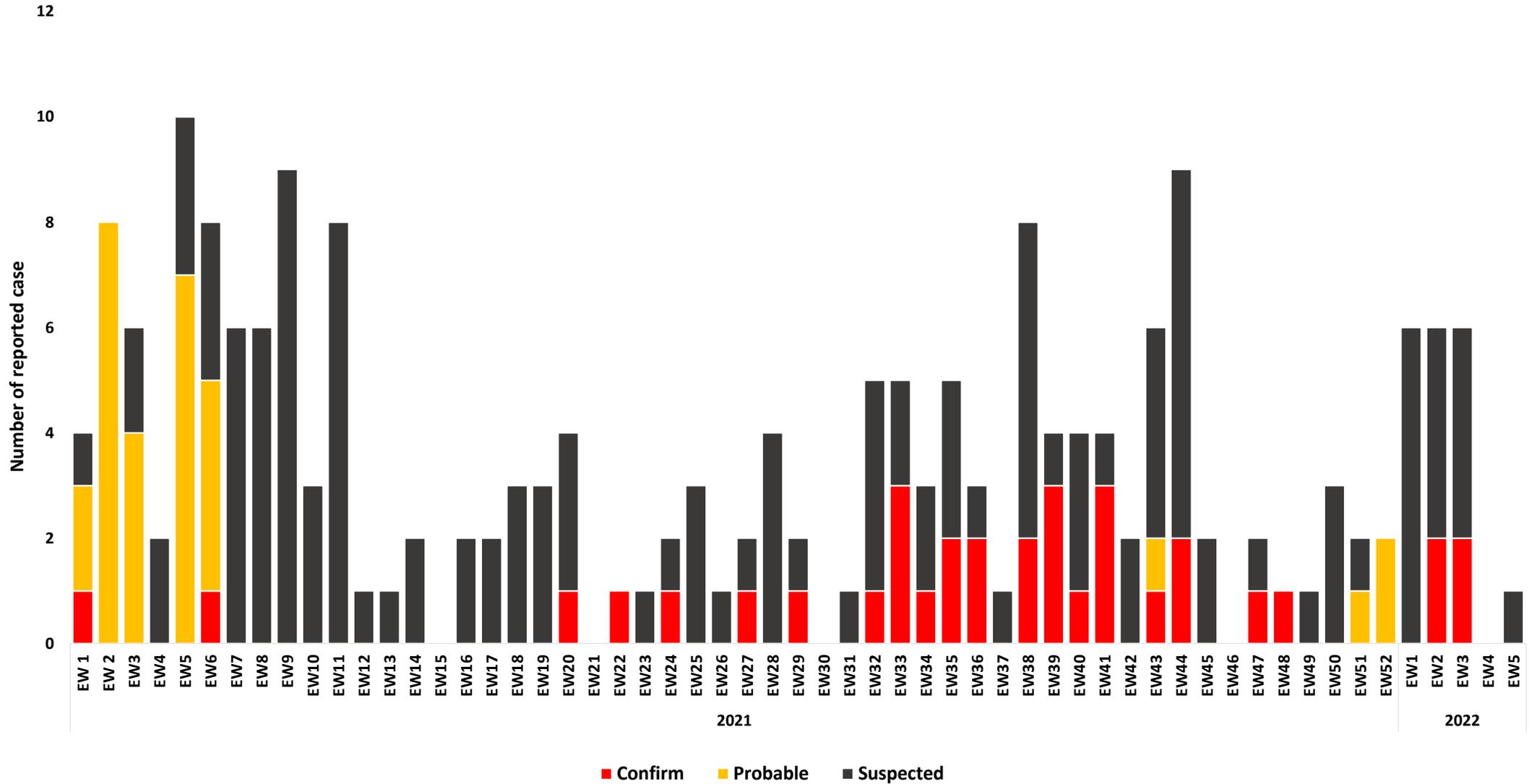
The last confirmed case was reported on 19 January 2022

In total 52 deaths have so far been reported since 2017, the last death reported on 5 November 2021

Classification	2017	2018	2019	2020	2021	2022
Confirmed	66	226	31	19	30	4
Probable	1154	1555	60	9	29	0
Suspected	1796	3549	523	198	118	15
Death	30	14	3	0	5	0

Diphtheria Surveillance Updates

Total number of diphtheria case reported in EWARS from 2021-2022 (W5) (n=196)

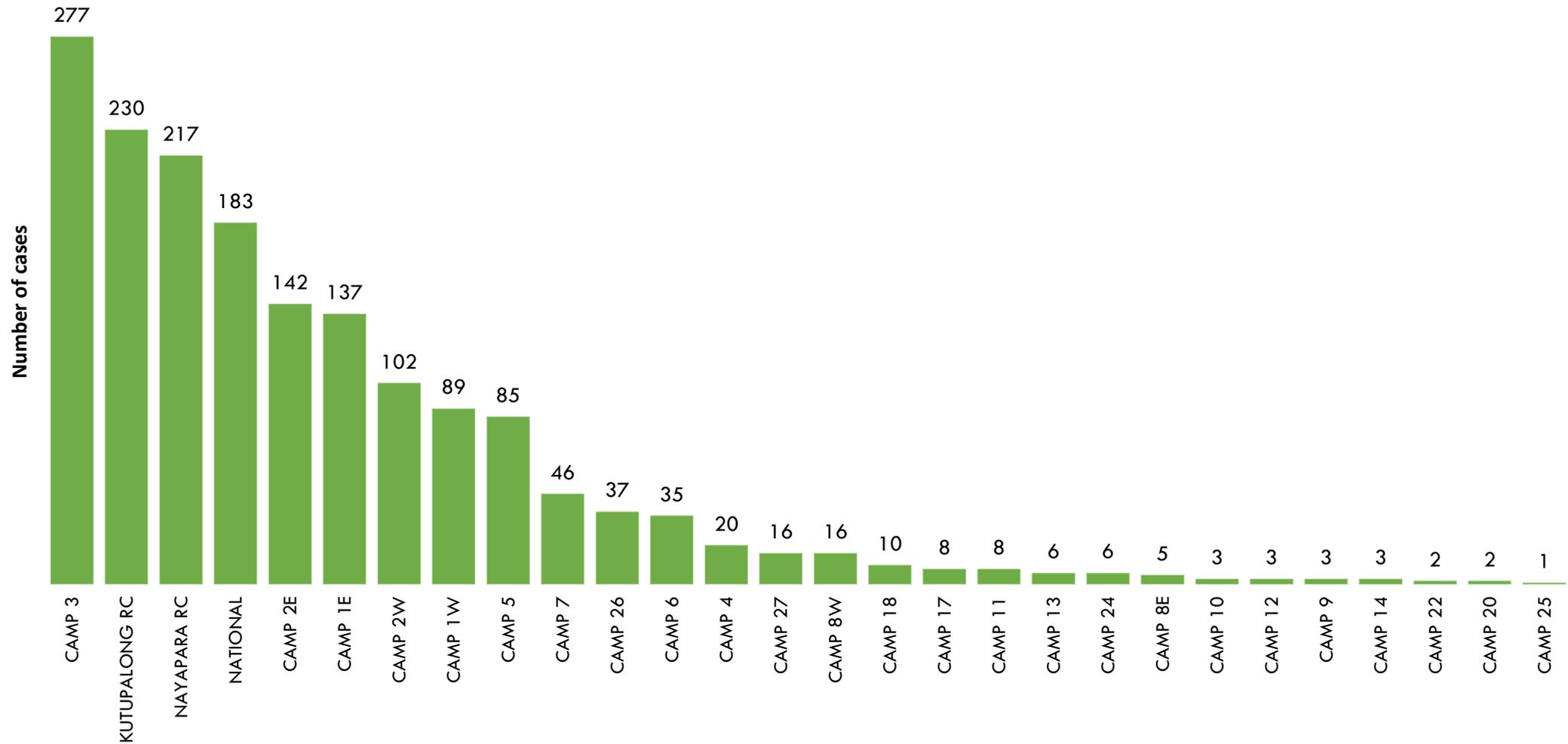


Dengue Surveillance Updates

Year	Month/Epi week	Confirmed Dengue case	Death	Confirmed Dengue case (Cumulative)	Death (Cumulative)
2021	Jan-Mar	1	0	1	0
	Apr-Jun	3	0	4	0
	Jul-Sep	6	0	10	0
	Oct-Dec	1,494	3	1,504	3
2022	W1 (3-9 Jan)	88	0	1,592	3
	W2 (11-17 Jan)	53	0	1,645	3
	W3 (17-23 Jan)	41	0	1,686	3
	W4 (24-30 Jan)	13	0	1,699	3
	W5 (31 Jan- 6 Feb)	5	0	1,694	3

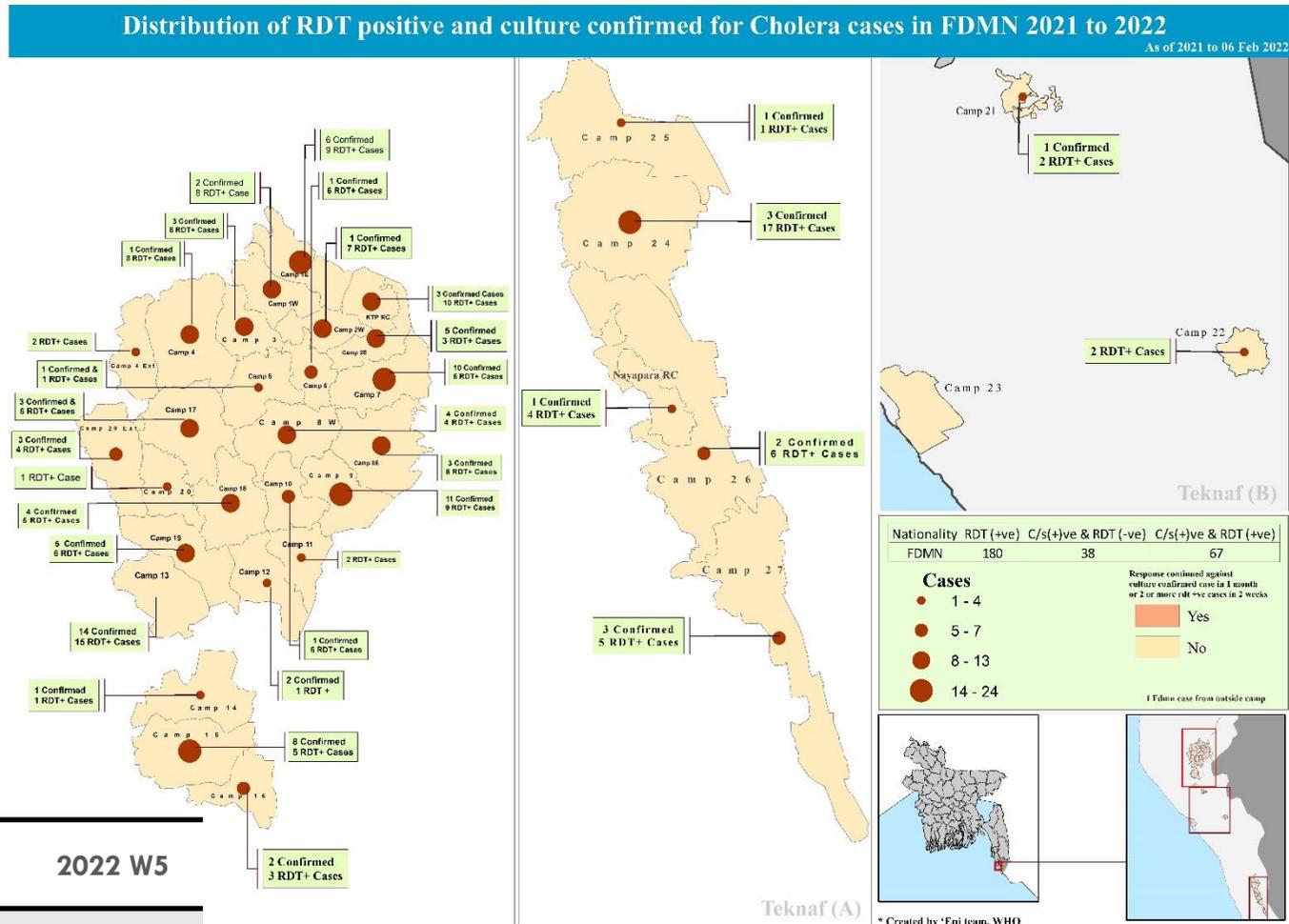
Distribution of Dengue confirmed cases from 2021- 2022 (W5)

Geographical distribution of Dengue confirmed cases (n=1,694)



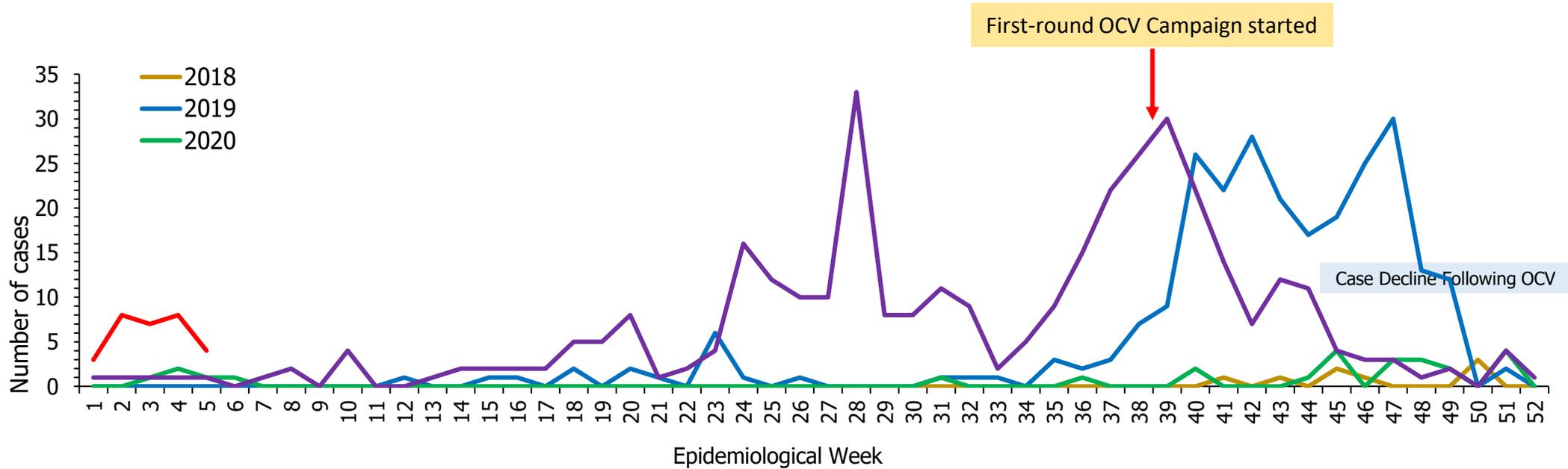
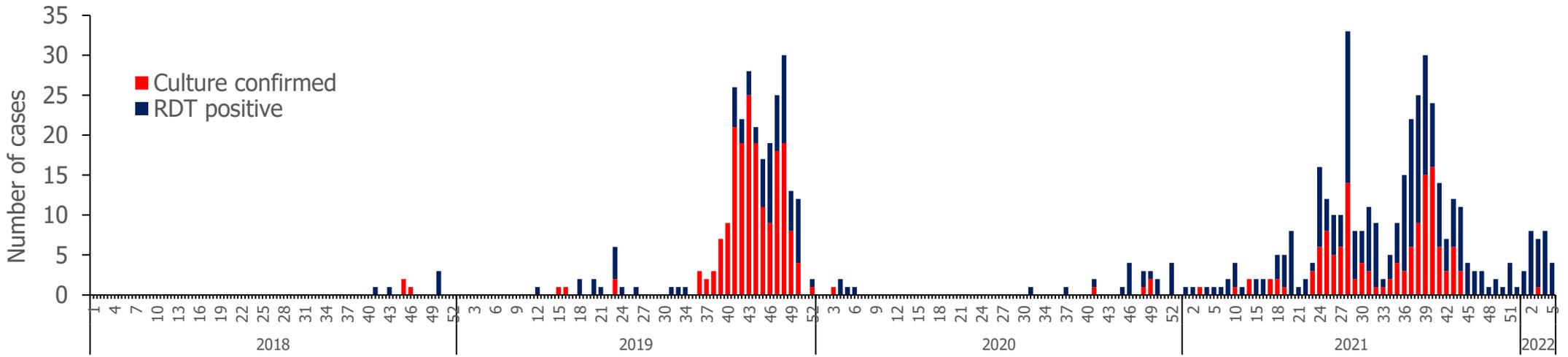
Cholera/AWD Surveillance Updates

- In week 5 2022, four (4) RDT positive cases were reported, among samples sent for testing.
- In 2022 total of thirty (30) cholera cases were reported as of W5 2022. Of these 1 was positive 16 were negative and 13 awaiting laboratory confirmation.
- 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.



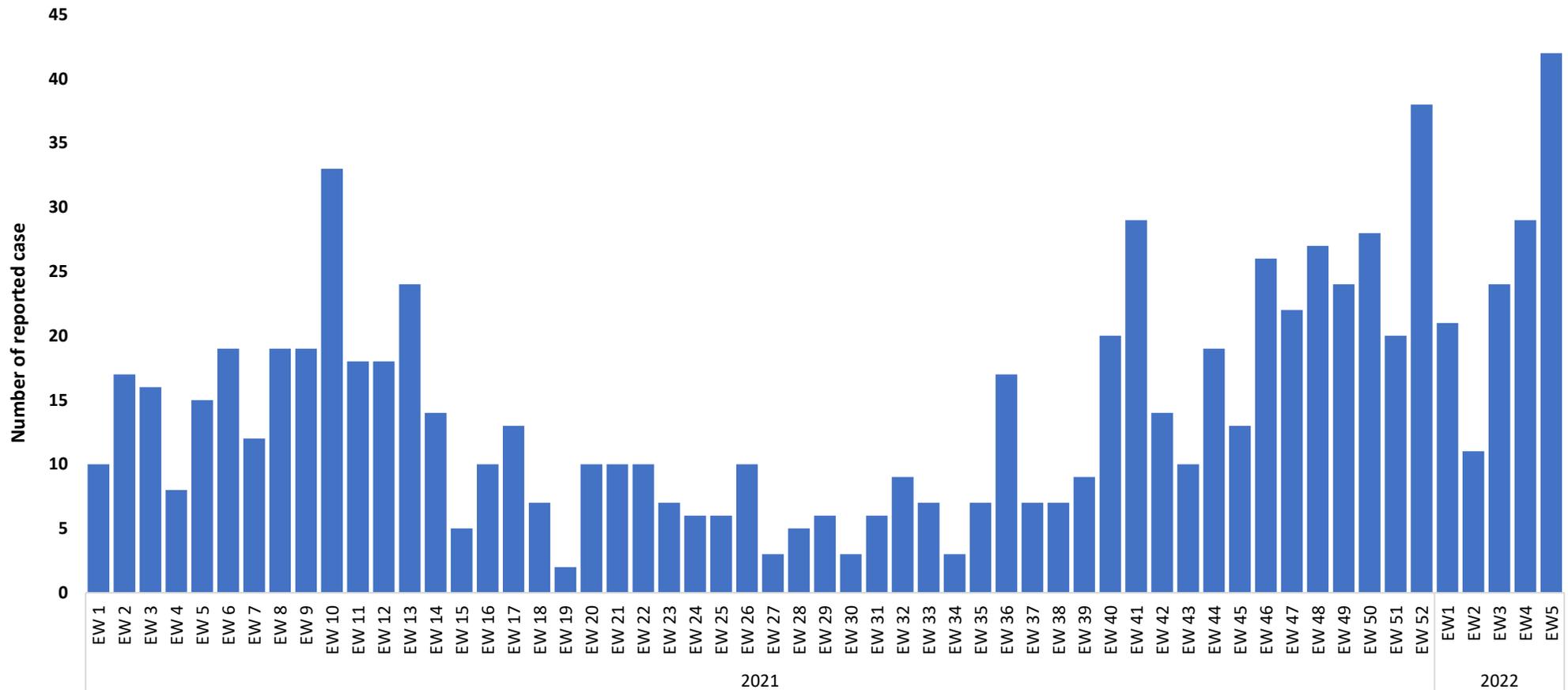
	2018	2019	2020	2021	2022 W5
RDT positive/culture confirmed for Cholera	49	258	28	357	30
Culture confirmed for Cholera	7	184	5	136	1

Epidemic curve of cholera, Cox's Bazar District, 2017-2022 (W5)



Measles Surveillance Updates

Total number of Measles case reported in EWARS from 2021- W5, 2022 (n=127)



> In week 5, 42 suspected measles cases were reported through weekly reporting. This brings the total number of suspected measles cases to 127 reported in 2022

> About 50% (63/127) of the total reported suspected measles cases were reported through case-based reporting and samples collected for laboratory confirmation

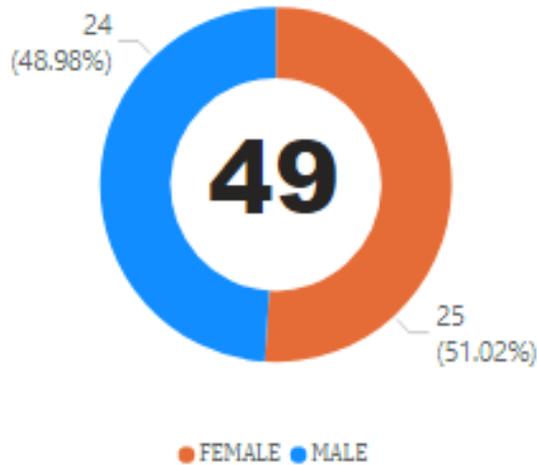
Community-based Mortality surveillance Updates

Probable Cause of Death	Week 5	In 2022
Still Birth	3 (7%)	28 (13%)
Neonatal Death (<28 days old)	5 (10%)	18 (8%)
Infectious Disease	1 (2%)	6 (3%)
Severe Acute Respiratory Infection (SARI)	1 (2%)	6 (3%)
Injury	--	2 (1%)
Maternal Death	1 (2%)	7 (3%)
Acute Malnutrition	1 (2%)	1 (0.5%)
Other	37 (75%)	155 (69%)
Total	49 (100%)	223 (100%)

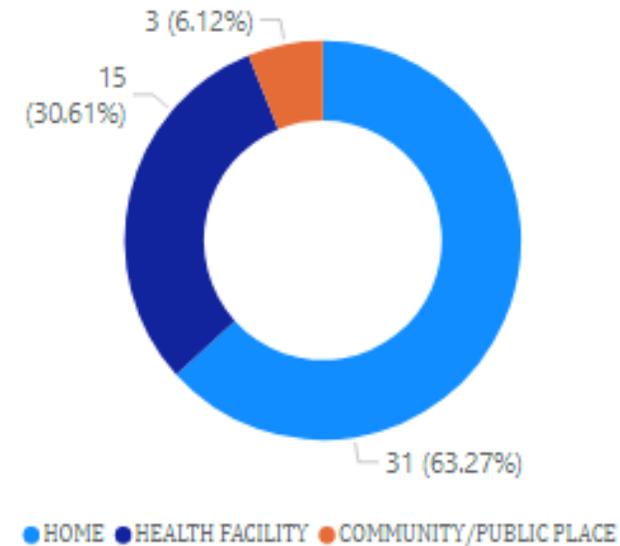
Partners to report all mortalities into the EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality surveillance Updates

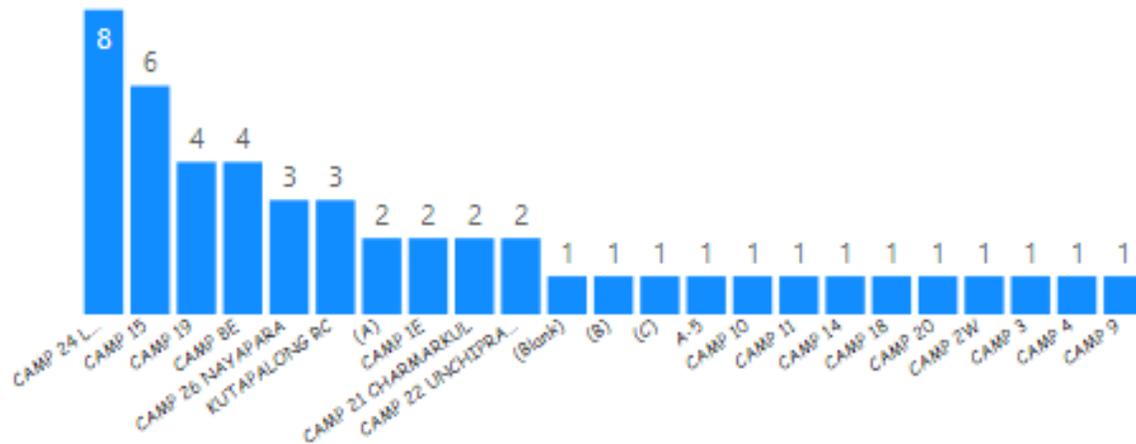
Gender distribution



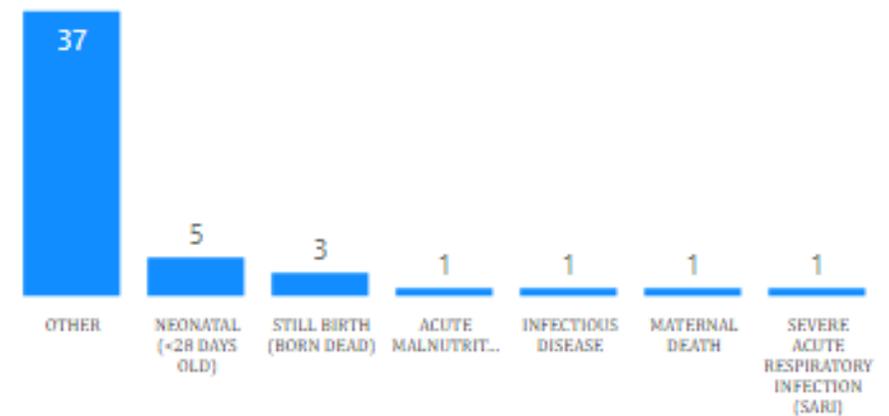
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W5 2022



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

Table 1 | Coverage

#	%	
918,841	-	Estimated total Rohingya population ¹
902,066	98%	Total population under surveillance
175	-	Total number of health facilities
168	96%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W5	Cumulative (2022)	
149	952	Number of weekly reports received
89%	94%	Completeness
89%	90%	Timeliness

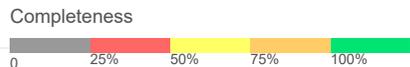
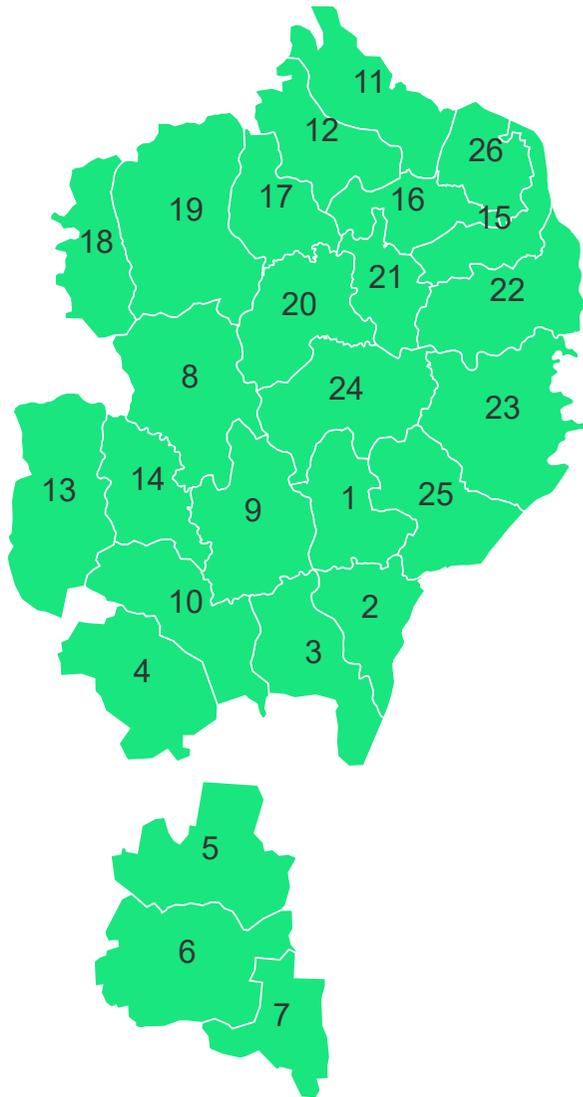
Table 3 Alert performance indicators

W5	Cumulative (2022)	
80	545	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% 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



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

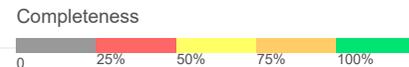
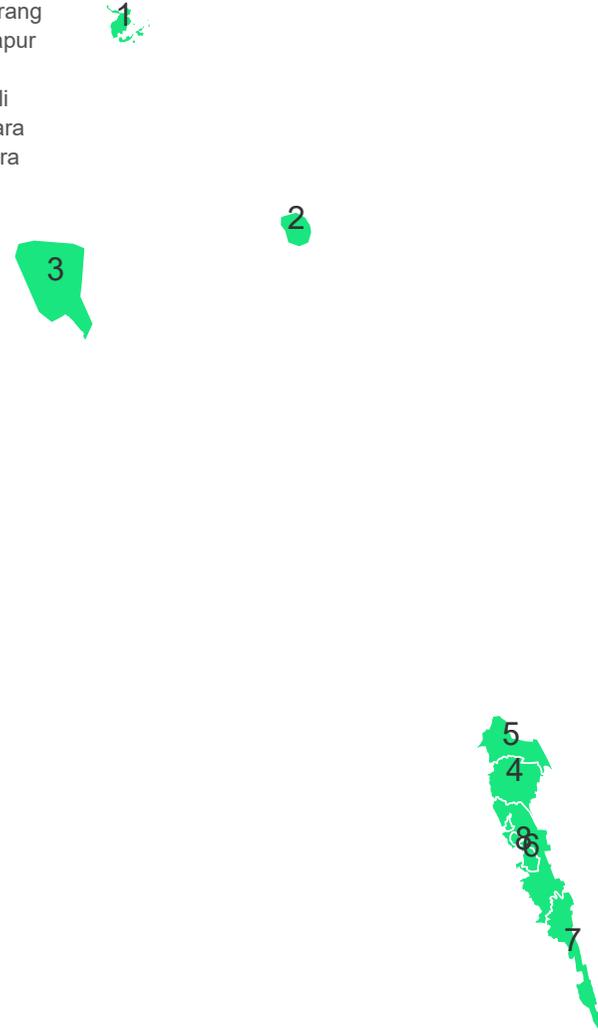


Table 4 | Performance by camp (W5 2022)

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

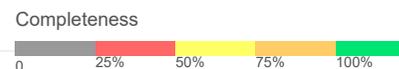
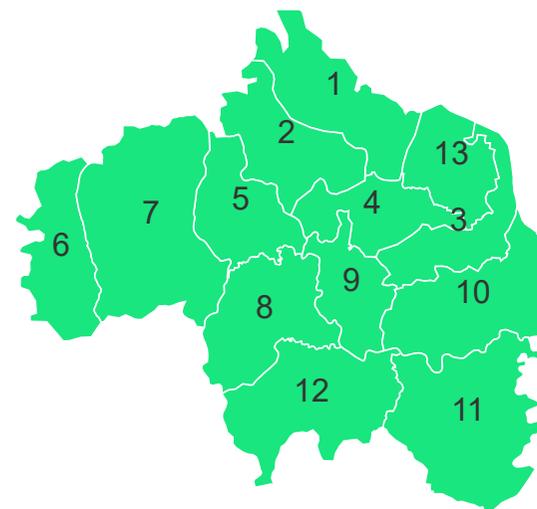


Table 5 | Performance by camp (W5 2022)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	100%	100%
Camp 11	7	7	100%	100%
Camp 12	6	6	100%	100%
Camp 13	10	9	90%	90%
Camp 14	7	6	86%	86%
Camp 15	9	8	89%	89%
Camp 16	7	5	71%	71%
Camp 17	5	5	100%	100%
Camp 18	5	5	100%	100%
Camp 19	5	5	100%	100%
Camp 20	3	3	100%	100%
Camp 20 Ext	3	3	100%	100%
Camp 9	6	5	83%	83%

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

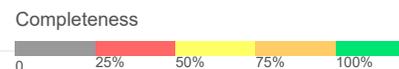
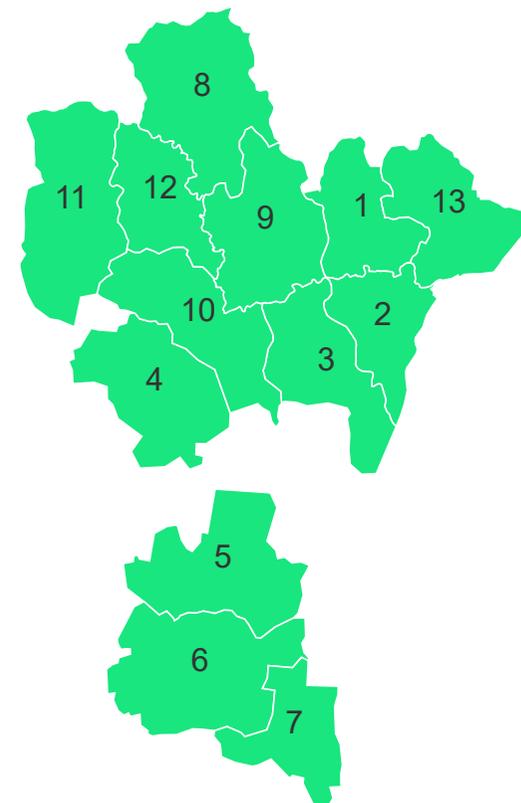


Table 6 | Performance by camp (W5 2022)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	4	4	100%	100%
Camp 22 Unchiprang	5	3	60%	60%
Camp 23 Shamlapur	3	1	33%	33%
Camp 24 Leda	1	1	100%	100%
Camp 25 Ali Khali	3	2	67%	67%
Camp 26 Nayapara	4	4	100%	100%
Camp 27 Jadimura	2	2	100%	100%
Nayapara RC	2	1	50%	50%

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

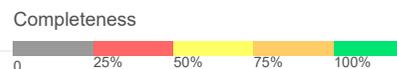
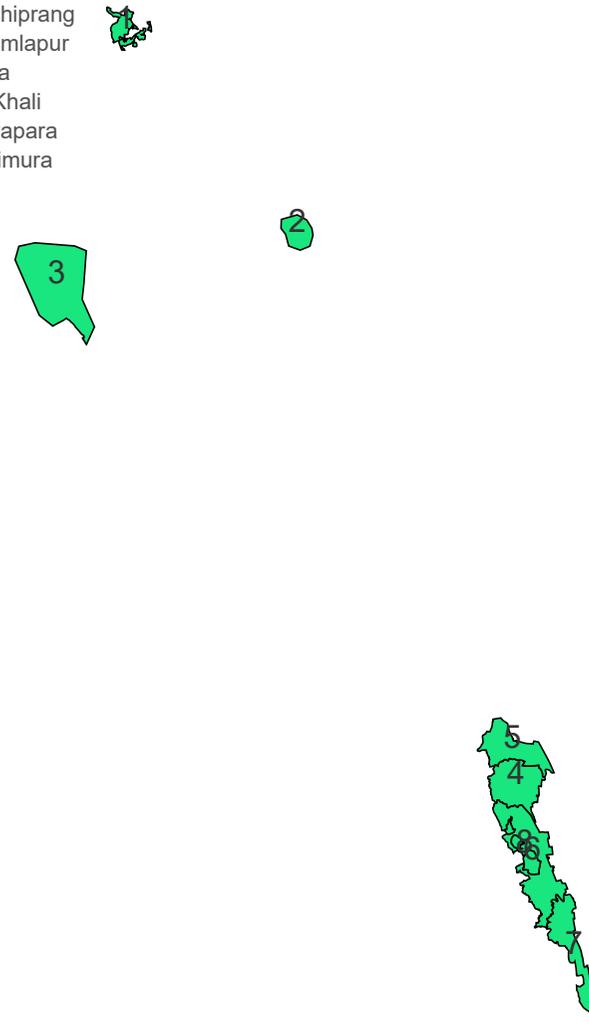


Table 7 | Performance by partner (W5 2022)

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	56%	56%
BASHMAH	1	1	100%	100%	MoH	18	13	72%	72%
BDRCS	12	11	92%	92%	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	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	10	100%	100%
FRNDS	6	6	100%	100%	RPN	2	2	100%	100%
GK	10	10	100%	100%	RHU	3	2	67%	67%
Global One	1	1	100%	100%	RI	3	3	100%	100%
GUSS	1	1	100%	100%	RTMI	9	8	89%	89%
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	1	100%	100%	Turkish Government	1	1	100%	100%
ICRC	1	1	100%	100%	TdH	2	2	100%	100%
IOM	18	17	94%	94%					

Table 8 | Performance by camp

Northern group	W5		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	0	0%	7	100%
Camp 1W	0	0%	19	100%
Camp 2E	7	100%	61	100%
Camp 2W	2	100%	16	100%
Camp 3	4	100%	31	100%
Camp 4	5	100%	22	100%
Camp 4 Ext	1	100%	5	100%
Camp 5	1	100%	23	100%
Camp 6	3	100%	12	100%
Camp 7	1	100%	14	100%
Camp 8E	2	100%	9	100%
Camp 8W	5	100%	32	100%
Kutupalong RC	3	100%	10	100%

Map 5 | Number of alerts by camp

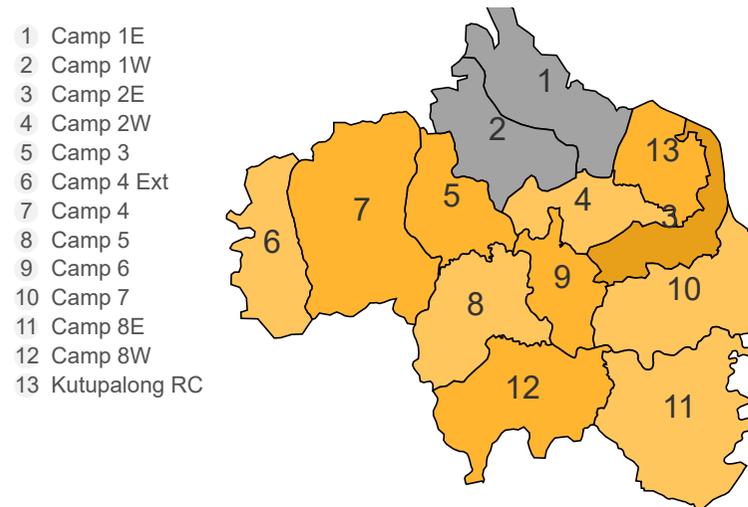


Table 9 | Performance by camp

Southern group	W5		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	2	100%	14	100%
Camp 11	2	100%	17	100%
Camp 12	2	100%	19	100%
Camp 13	5	100%	23	100%
Camp 14	2	100%	9	100%
Camp 15	2	100%	13	100%
Camp 16	5	100%	17	100%
Camp 17	0	0%	5	100%
Camp 18	5	100%	29	100%
Camp 19	2	100%	7	100%
Camp 20	2	100%	9	100%
Camp 20 Ext	0	0%	8	100%
Camp 9	4	100%	26	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

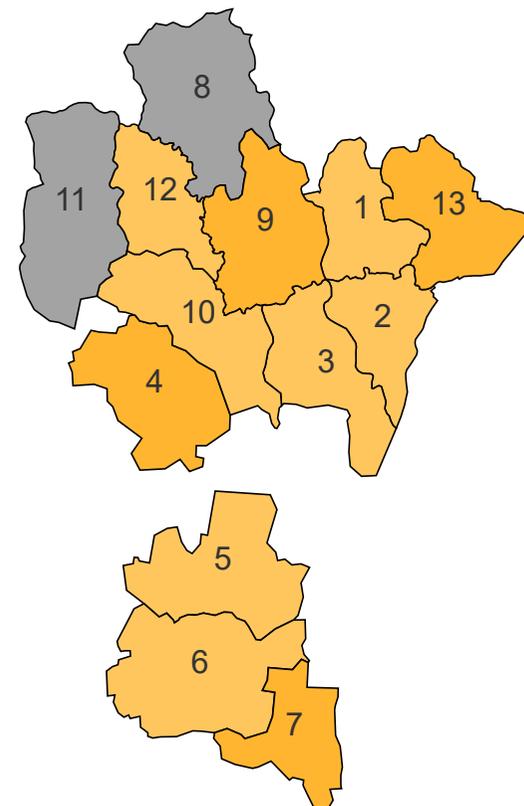


Table 10 | Performance by camp

Teknaf	W5		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	2	100%	8	100%
Camp 22 Unchiprang	4	100%	13	100%
Camp 23 Shamlapur	0	0%	1	100%
Camp 24 Leda	4	100%	15	100%
Camp 25 Ali Khali	0	0%	6	100%
Camp 26 Nayapara	1	100%	21	100%
Camp 27 Jadimura	1	100%	8	100%
Nayapara RC	0	0%	5	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

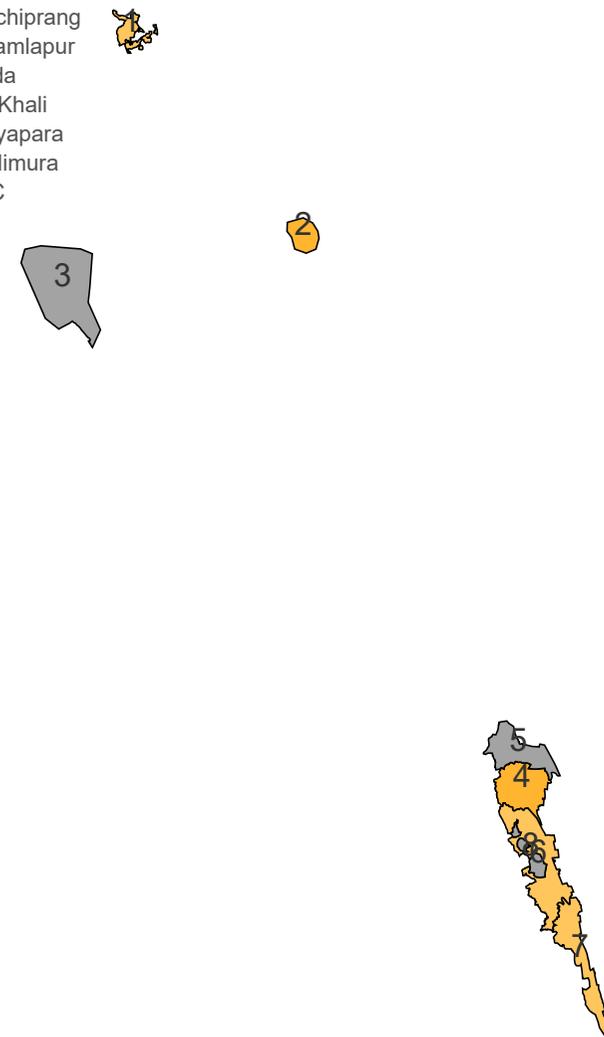


Table 11 | Performance by type of alert

Event	W5		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	1	100%	2	100%
Measles	16	100%	78	100%
Bloody Diarr.	0	0%	0	0%
AFP	3	100%	4	100%
Meningitis	0	0%	2	100%
Haem. fever (susp.)	0	0%	0	0%
NNT	0	0%	2	100%
Unexp. fever	4	100%	27	100%
AWD	2	100%	44	100%
ARI	7	100%	51	100%
AJS	2	100%	9	100%
Varicella (Susp.)	1	100%	2	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	3	100%	39	100%

Table 12 | Risk assessment

W5	Cumulative (2022)	
0	1	Low risk
0	0	Moderate risk
0	0	High risk
0	0	Very high risk

For more help and support, please contact:

Dr. Sakia Haque
Medical Officer - Civil Surgeon Office (MO-CS)
Ministry of Health and Family Welfare
Cox's Bazar, Bangladesh

Telephone: +88 01780472442

Email: drsakiahaque@gmail.com

Dr. Feroz Hayat Khan
National Professional Officer (Disease Surveillance &
Epidemiology)
World Health Organization
Cox's Bazar, Bangladesh

Telephone: +88 017 0120 2994

Email: khan@who.int

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



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W5 2022



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



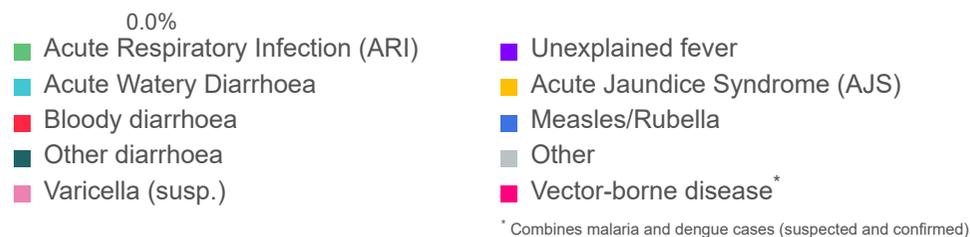
HEALTH SECTOR
COX'S BAZAR



Printed: 05:28 Thursday, 10 February 2022 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W5 2022)



Disease	W5		2022	
	# cases	% morbidity	# cases	% morbidity
AWD	2,221	2.2%	16,819	2.6%
Bloody diarr.	335	0.3%	2,351	0.4%
Other diarr.	1,134	1.1%	6,132	0.9%
Susp. Varicella	92	0.1%	390	0.1%
ARI	22,423	22.2%	130,782	20.1%
Measles/Rub.	42	0.0%	169	0.0%
AFP	4	0.0%	9	0.0%
Susp. menin.	1	0.0%	7	0.0%
AJS	18	0.0%	98	0.0%
Susp. HF	0	0.0%	0	0.0%
Neo. tetanus	0	0.0%	4	0.0%
Adult tetanus	0	0.0%	1	0.0%
Malaria (conf.)	0	0.0%	205	0.0%
Malaria (susp.)	1,353	1.3%	15,093	2.3%
Dengue (conf.)	13	0.0%	346	0.1%
Dengue (susp.)	21	0.0%	246	0.0%
Unexpl. fever	1,624	1.6%	8,810	1.4%
Sev. Malnut.	32	0.0%	441	0.1%
Inj./Wounds	1,713	1.7%	12,127	1.9%
Other	70,020	69.2%	454,457	70.0%
Total	99,491	100%	649,276	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W5)

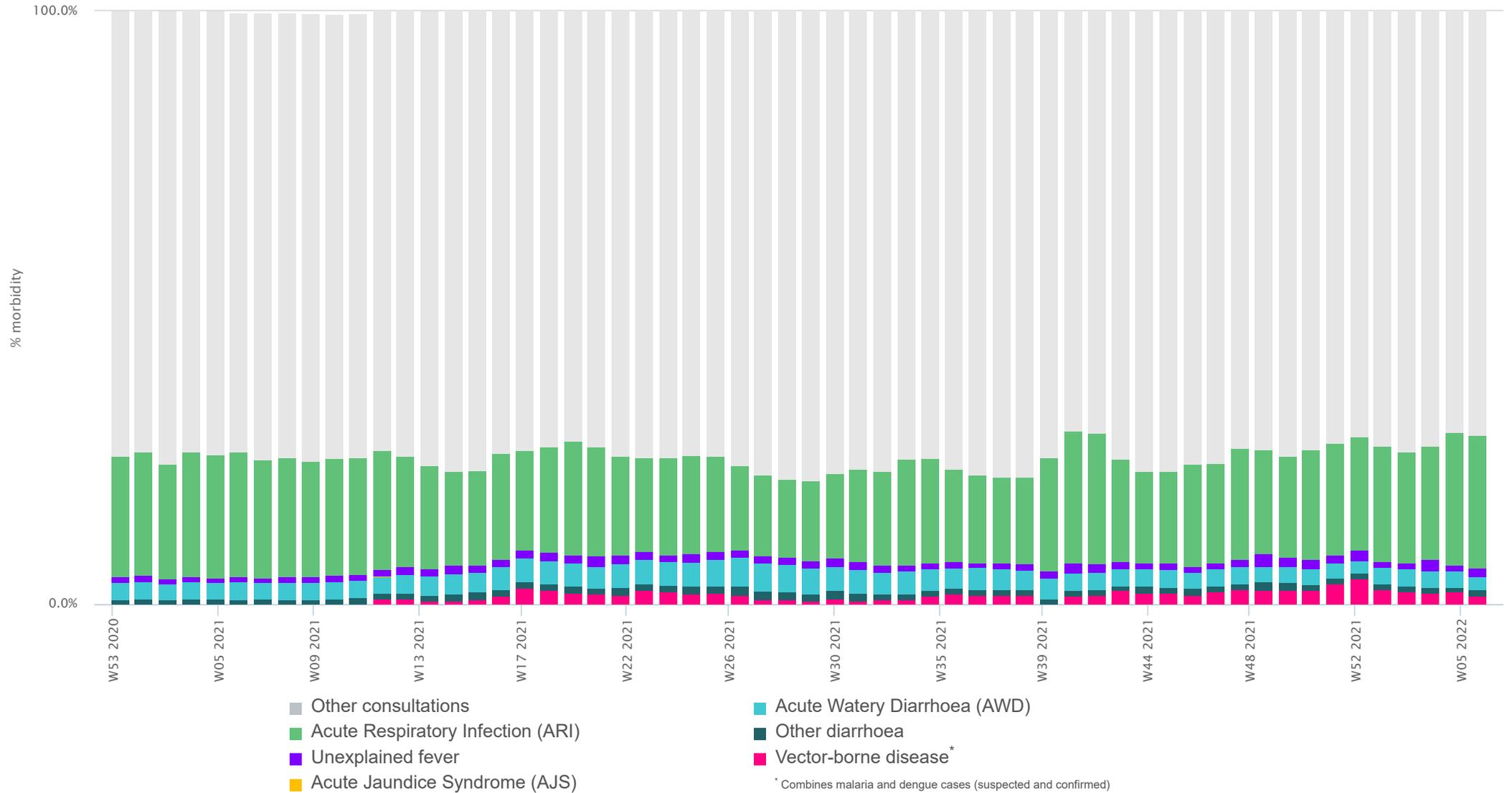
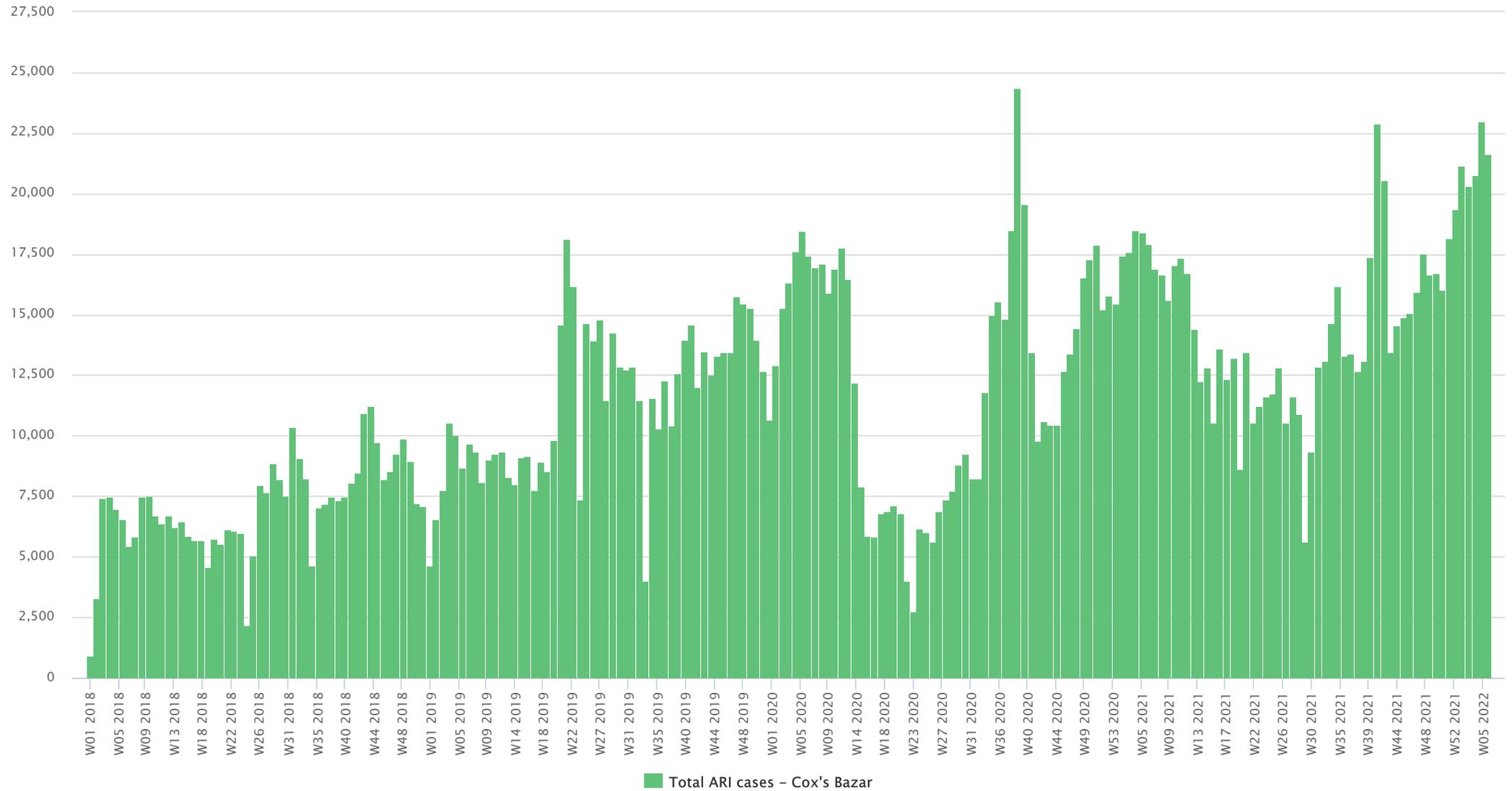


Figure 3 | Trend in number of cases over time (W38 2017 - W5 2022)



Map 1 | Map of cases by camp (W5 2022)

a. Ukhia | Number of cases

Loading...

b. Ukhia | Number of alerts

Loading...

c. Teknaf | Number of cases

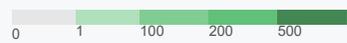
Loading...

d. Teknaf | Number of alerts

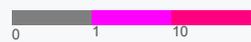
Loading...

Map legend

Number of cases



Number of alerts



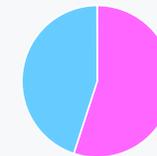
Alert threshold

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

Alert management (W5 2022)



Figure | % sex



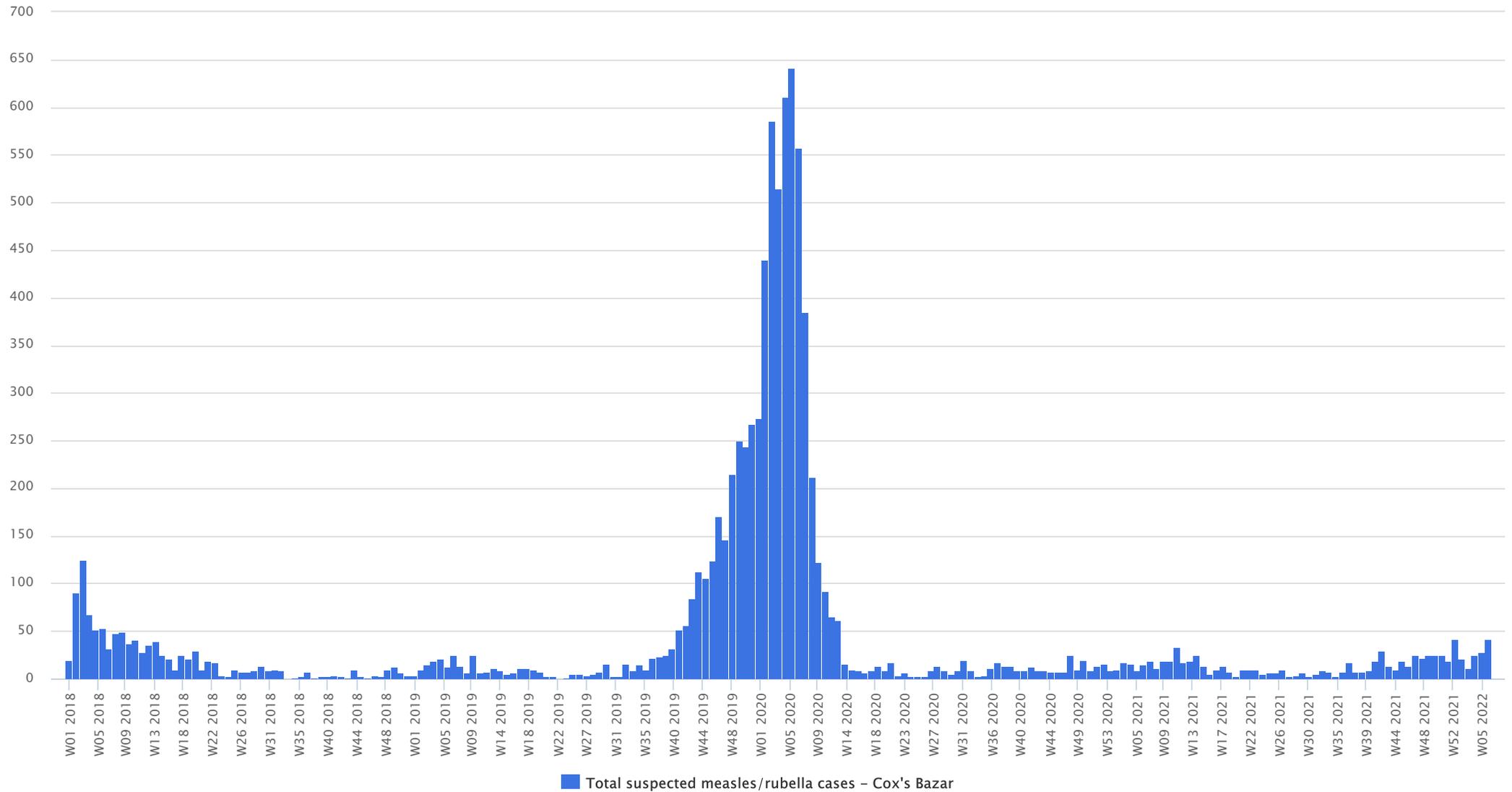
Female Male

Figure | % age



>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W5 2022)



Map 2 | Map of cases by camp (W5 2022)

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



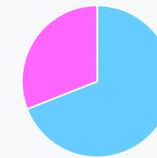
Alert threshold

1 case. Source: IEDCR

Alert management (W5 2022)



Figure | % sex



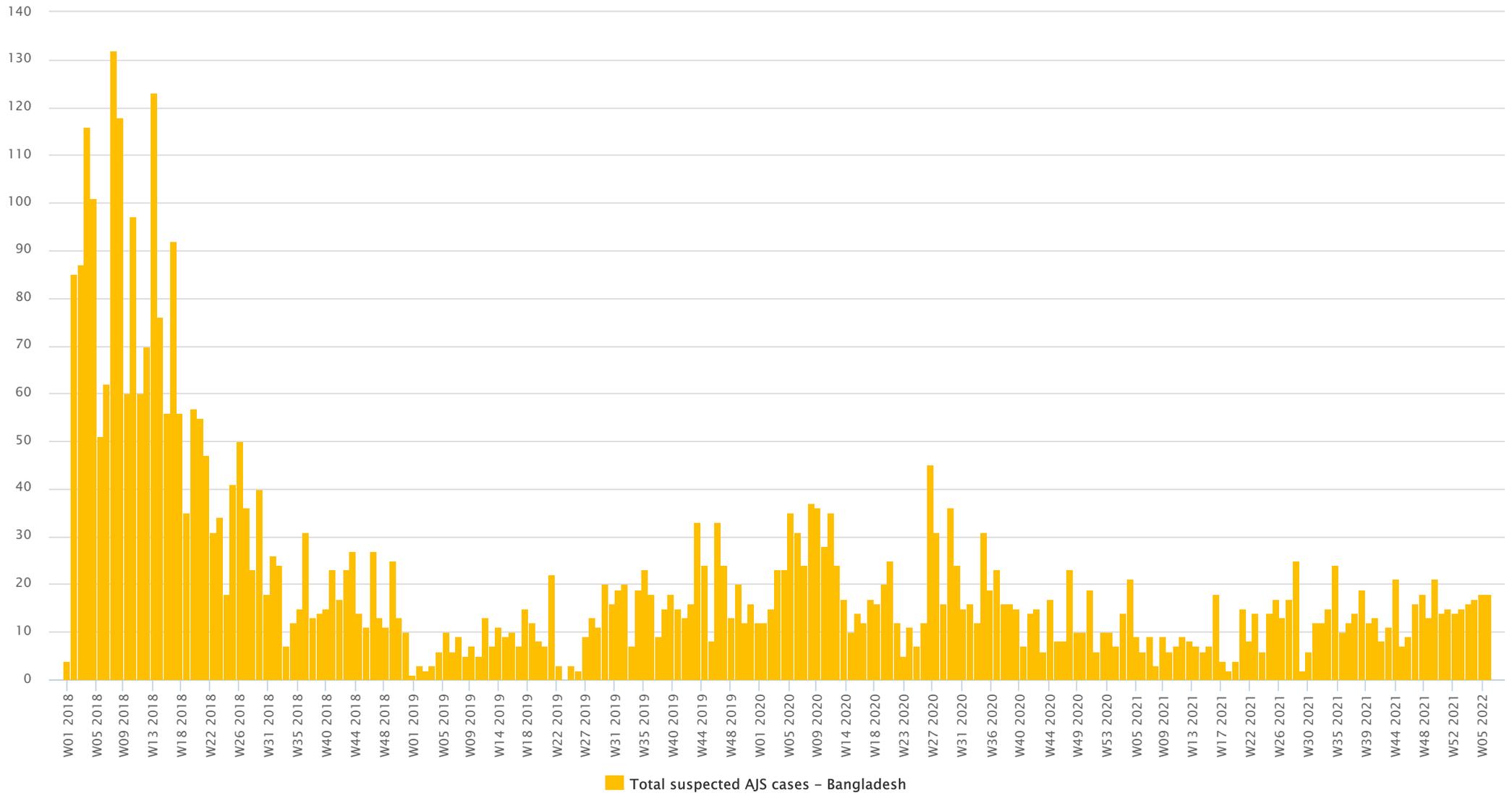
Male Female

Figure | % age



< 5 >= 5

Figure 5 | Trend in number of cases over time (W38 2017 - W5 2022)



Map 3 | Map of cases by camp (W37 2017 - W5 2022)

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 (W5 2022)

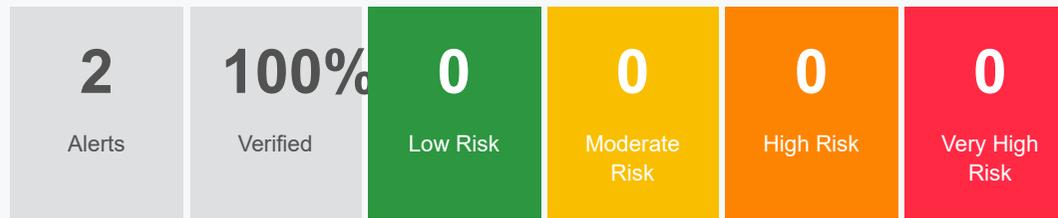


Figure | % sex

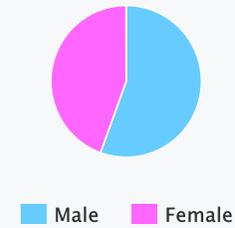


Figure | % age

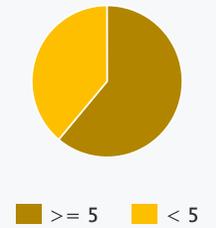
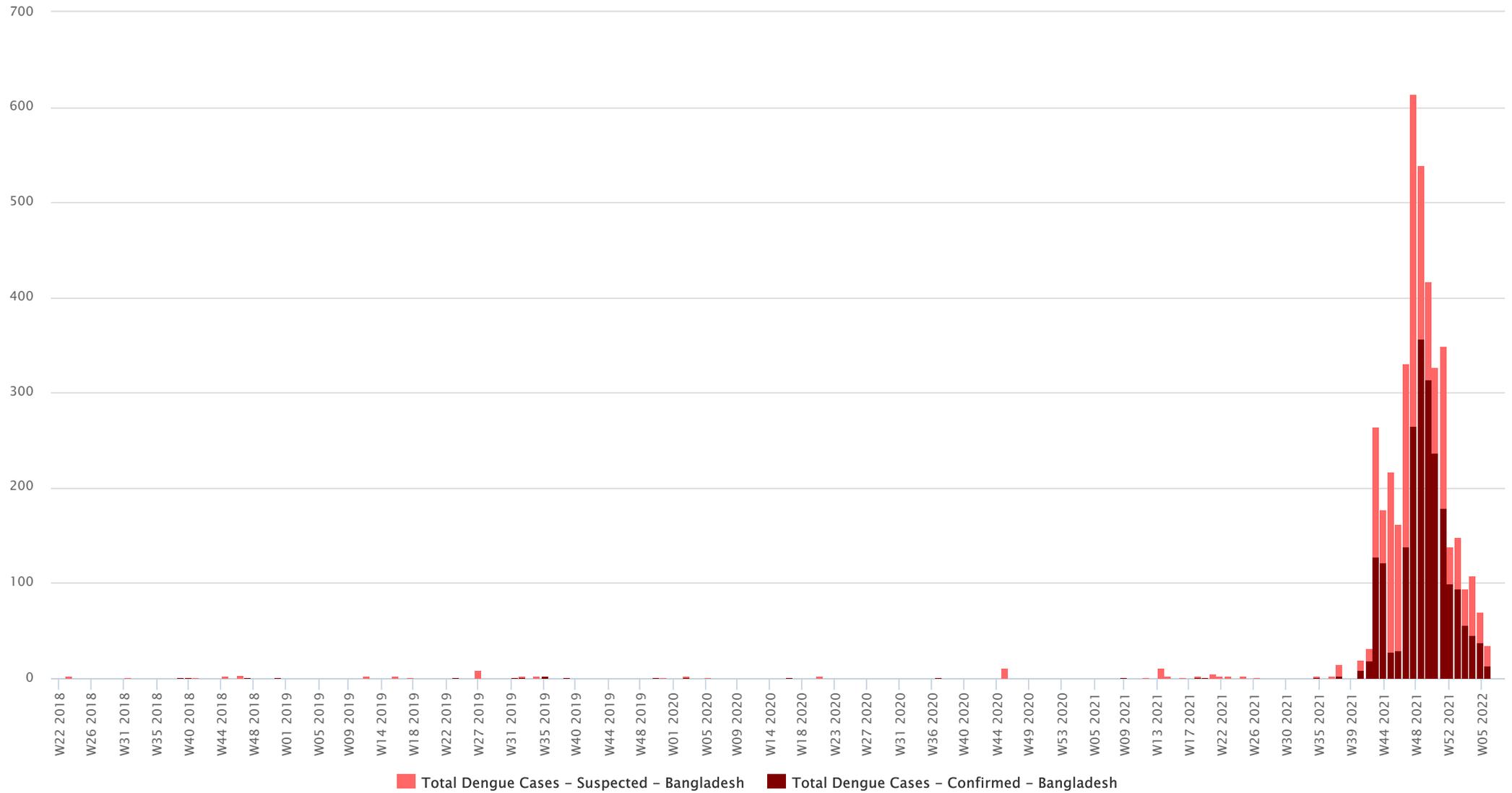


Figure 7 | Trend in number of cases over time (W38 2017 - W5 2022)



Map 4 | Map of cases by camp (W37 2017 - W5 2022)

a. Ukhia | Number of cases

Loading...

b. Ukhia | Number of alerts

Loading...

c. Teknaf | Number of cases

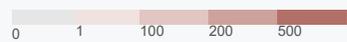
Loading...

d. Teknaf | Number of alerts

Loading...

Map legend

Number of cases



Number of alerts



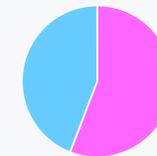
Alert threshold

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

Alert management (W5 2022)

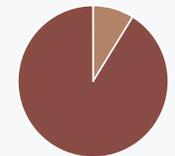


Figure | % sex



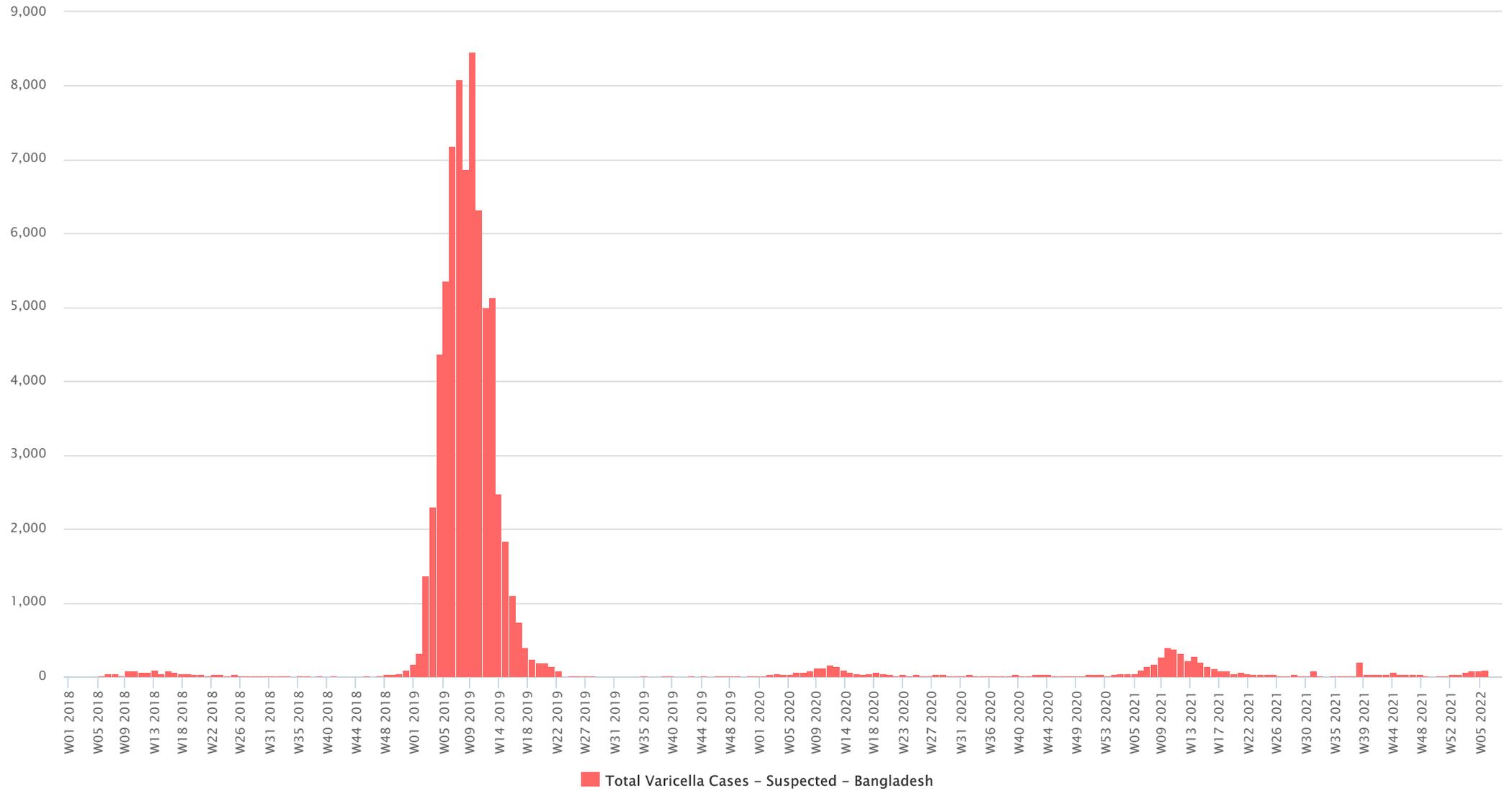
Female Male

Figure | % age



< 5 >= 5

Figure 7 | Trend in number of cases over time (W38 2017 - W5 2022)



Map 4 | Map of cases by camp (W37 2017 - W5 2022)

a. Ukhia | Number of cases

Loading...

c. Teknaf | Number of cases

Loading...

Map legend

Number of cases

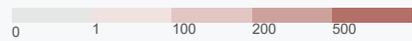
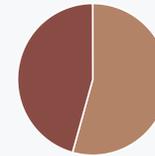


Figure | % sex



Male Female

Figure | % age



< 5 ≥ 5

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Medical Officer - Civil Surgeon Office (MO-CS)
Ministry of Health and Family Welfare
Cox's Bazar, Bangladesh
Telephone: +88 01780472442
Email: drsakiahaque@gmail.com

Dr. Feroz Hayat Khan
National Professional Officer (Disease Surveillance &
Epidemiology)
World Health Organization
Cox's Bazar, Bangladesh
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Email: khan@who.int

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