



# Epidemiological Highlights

Week 30 (23-29 July) 2023



# EWARS Reporting Updates for Epi week 30, 2023

Currently, a total of **141 health facilities** are registered in EWARS

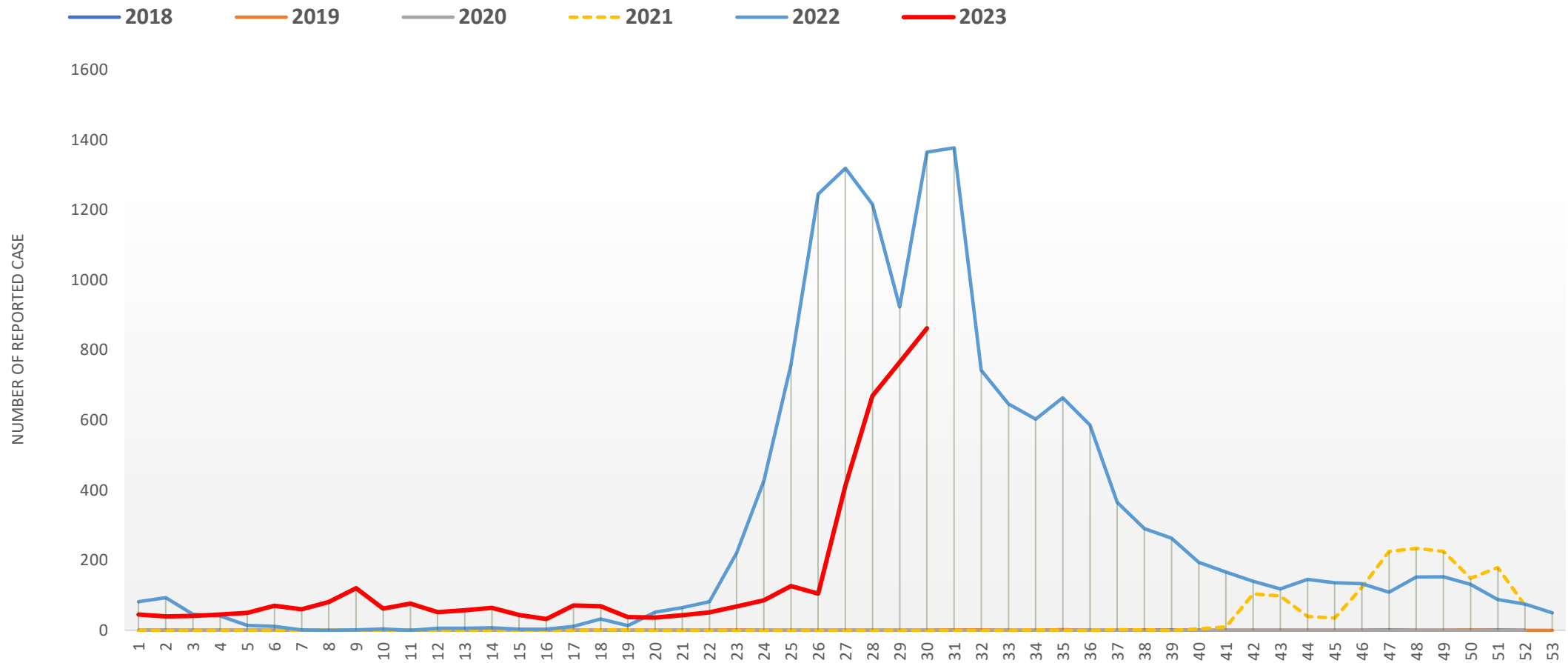
- Of those 120 weekly reports were received on time this week
- Timeliness and completeness of weekly reporting were 85% which is above the global and national weekly threshold
- Sixty-two (62) alerts were triggered
- All alerts were reviewed and verified by the WHO EWARS team; this is a 9% drop from the previous week (68 alerts in week 29, 2023)

# Weekly Proportionate Morbidity and SARI Mortality among the FDMN population from 2020-Epi 1-30, 2023

- Acute Respiratory Infections (18.0%), Acute Watery Diarrhoea (2.6%), and Injury and wounds (1.9%) were the diseases and health conditions with the highest proportional morbidity this week.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020. So far, 26 cases of which none is probable COVID-19 Death, have been reported in 2023
- This Epi week, one (1) SARI death was reported, and upon investigation, none met reclassification as probable COVID-19 death as highlighted below:

Year	Suspected SARI death reported (current week)	Reclassified as death due to probable COVID-19
2023	27 (1)	0
2022	136	8
2021	96	15
2020	49	2

# Annual trends of confirmed Dengue cases among FDMN and host population in Cox's Bazar from 2018 to Epi Week 30, 2023

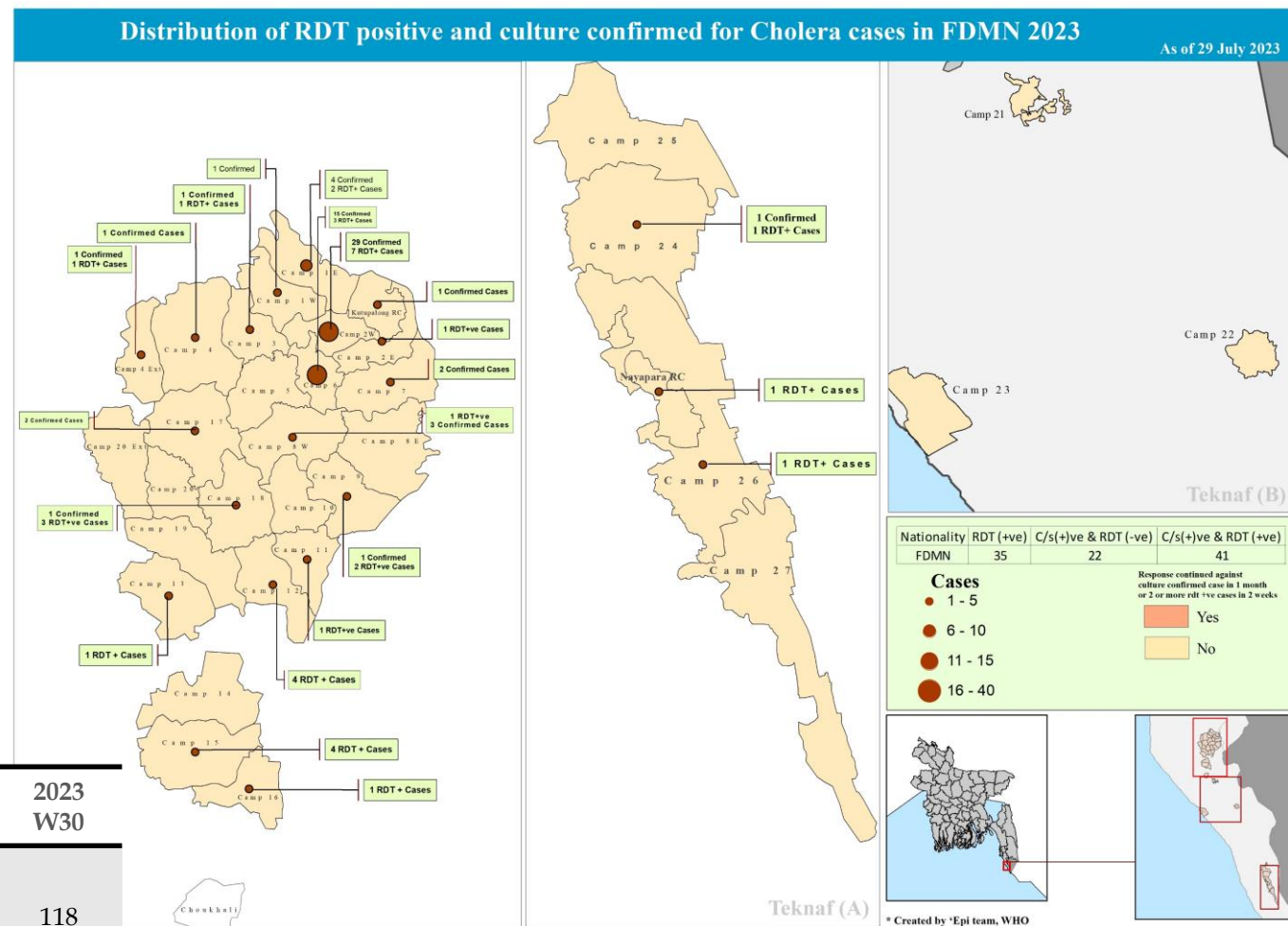


- ❑ Cumulative of 4,326 confirmed dengue cases including five (5) deaths (CFR 0.2%) have so far been reported in 2023
- ❑ The current transmission is a continuation of that for 2021 and 2022 (possible endemic transmission established)
- ❑ Camp 3 and the surrounding camps continue to bear the greatest burden of the cases so far reported in 2023 similar to 2022

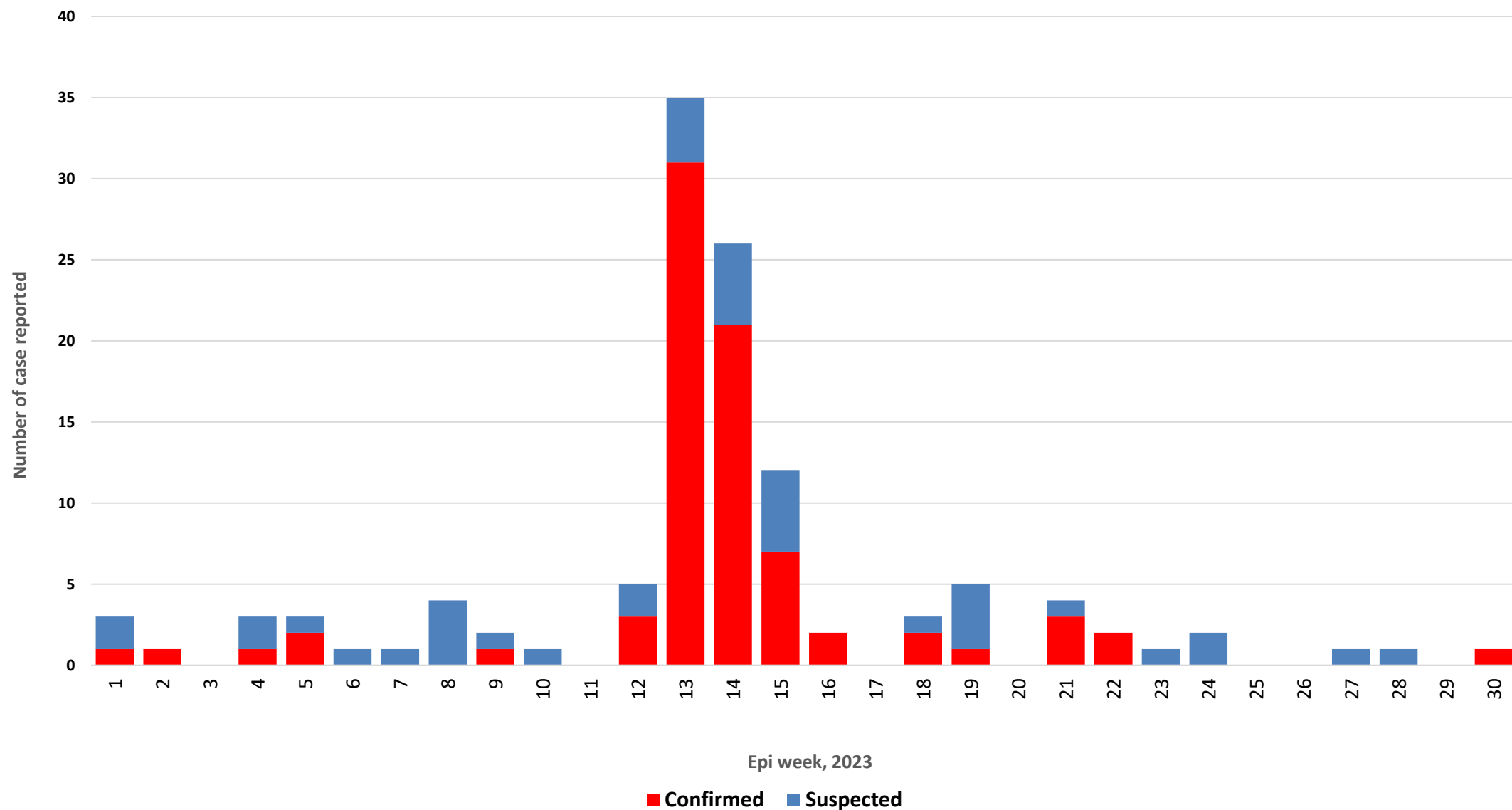
# Cholera/AWD Surveillance Updates

- In this week, one (1) new cholera confirmed case was reported
- A total of 119 cases of which 39 RDT-positive AWD/cholera suspected cases and 79 culture-confirmed Cholera cases have so far been reported in (Epi week 1-30) 2023.
- Cumulatively there are 980 RDT AWD cases/Cholera suspects reported while 481 cases were culture-confirmed since transmission in 2018.

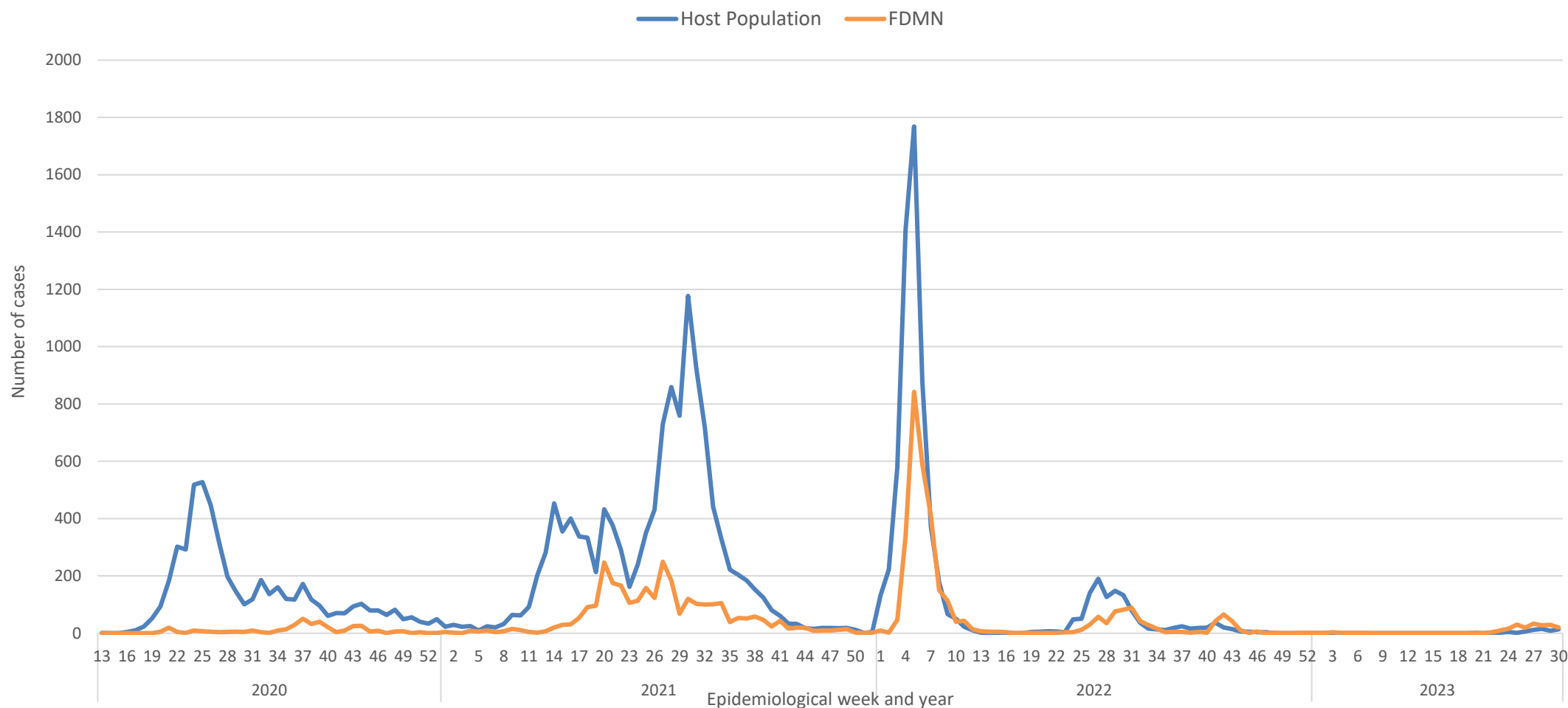
	2018	2019	2020	2021	2022	2023 W30
RDT positive AWD cases/Cholera suspects	49	258	28	357	170	118
Culture confirmed for Cholera	7	184	5	136	70	79



# Weekly trends of suspected and confirmed cholera cases from Epi Week 1-30



# Weekly Trends of COVID-19 Cases among FDMN and Host Population in Cox's Bazar District from Epi Week 13, 2020- Epi Week 30, 2023



**FDMNs: Twenty (20)** new confirmed cases were reported this week from FDMN Camps, weekly TPR is 9.9% and case incidence was 21.7 cases/1million pop.

**Host Population: Thirteen (13)** new confirmed cases were reported this week from the Host community, weekly TPR is 4.2% and case incidence were 4.6 cases/1m pop.

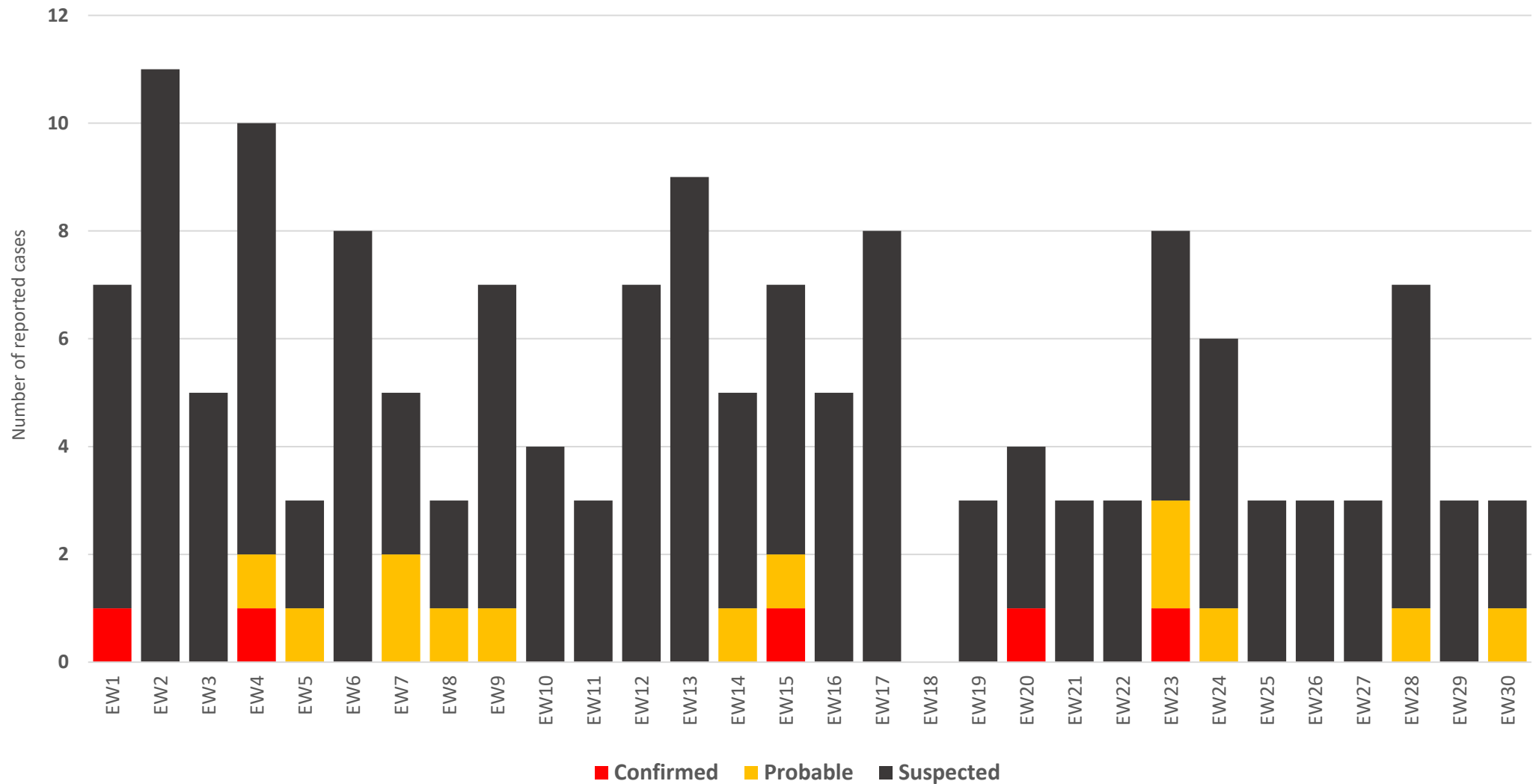
# Weekly and annual Diphtheria Surveillance Updates from 2017- Epi week 30, 2023

- One (1) probable and 2 suspected diphtheria cases were reported in go.data in this Epi week
- The last confirmed case was reported on 6 June 2023
- About 156 cases (5 confirmed, 13 probable and 138 suspected) of which there was one (1) death reported so far reported in 2023.
- In total 54 deaths have so far been reported since 2017, with the last death reported on 18 October 2022

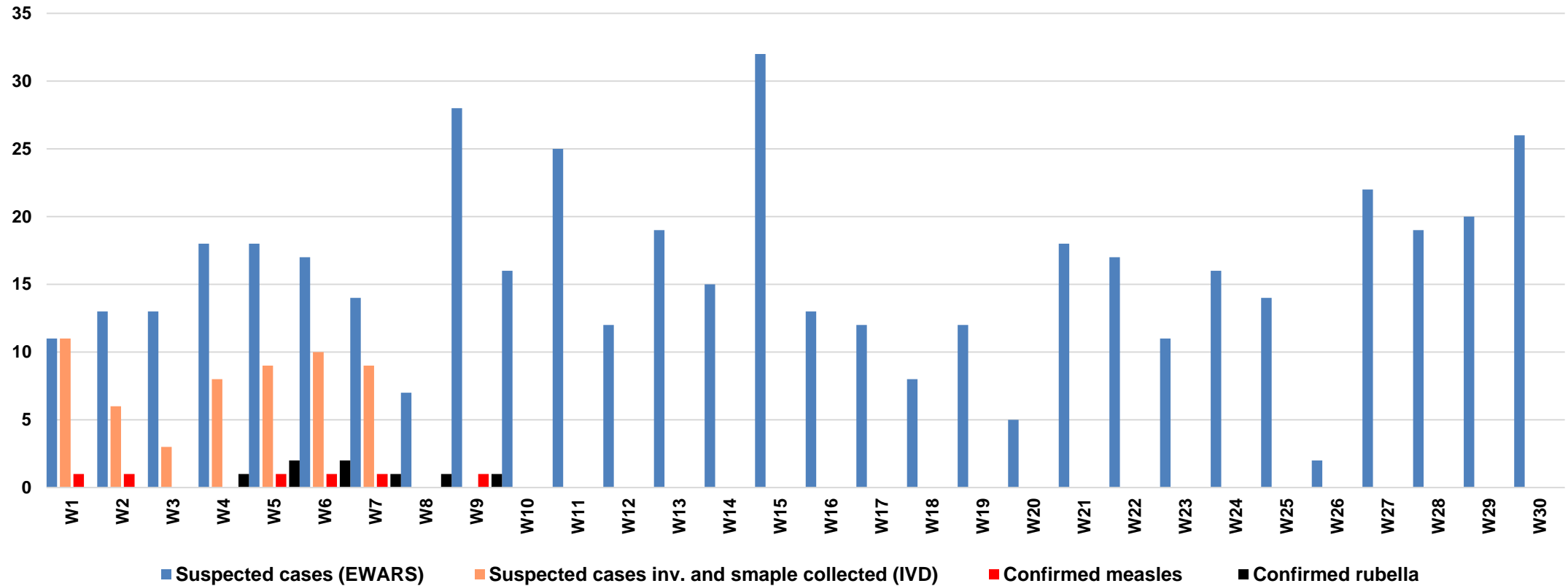
Classification	2017	2018	2019	2020	2021	2022	2023
Confirmed	66	226	31	19	30	56	5
Probable	1154	1555	60	9	29	3	13
Suspected	1796	3549	523	198	118	349	138
Death	30	14	3	0	5	2	1



# Weekly trends of Diphtheria cases from Epi weeks 1-30 2023



# Epi Curve of Weekly Suspected Measles Cases week 1-30, 2023



- Twenty-six (26) suspected measles cases were reported this Epi week
- Total of 473 cases were reported through EWARS, 58 cases were reported through IVD case-based surveillance of which 14 were confirmed through the lab (IgM positive)
- Six (6) confirmed cases were measles and 8 were rubella confirmed
- Epidemiology and IVD units undertaking investigations

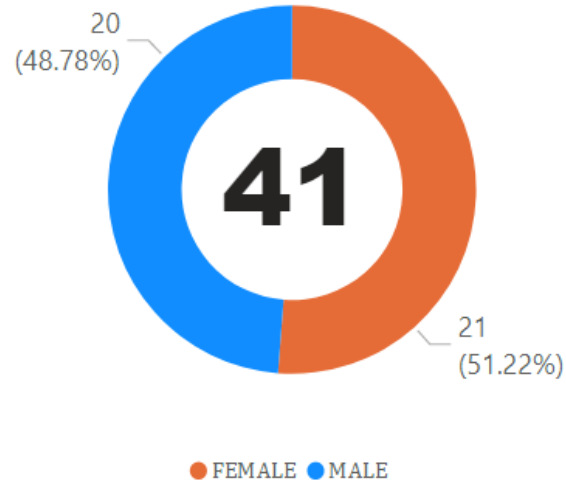
# Proportionate Mortality updates Epi week 30, 2023

Probable causes of death	Epi week 30	In 2023
Still Birth	7 (17%)	186 (12%)
Neonatal Death (<28 days old)	3 (7%)	163 (11%)
Infectious Disease	2 (5%)	41 (3%)
Severe Acute Respiratory Infection (SARI)	1 (2%)	20 (1%)
Injury	--	35 (2%)
Maternal Death	--	28 (2%)
Acute Malnutrition	--	2 (0%)
Other	28 (68%)	1073 (69%)
<b>Total</b>	<b>41 (100%)</b>	<b>1548 (100%)</b>

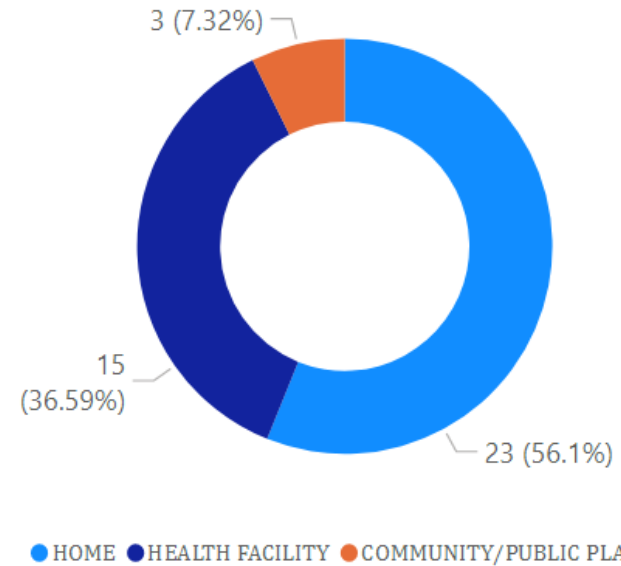
Partners to report all mortalities into the EWARS platform using both case and event-based reporting as applicable

# Community-based Mortality Surveillance updates Epi week 30, 2023

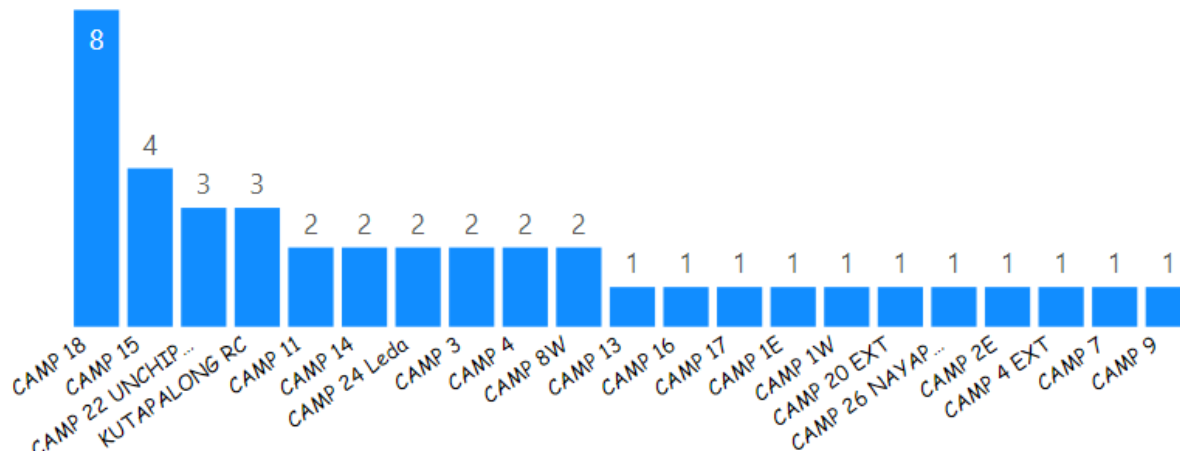
**Gender distribution**



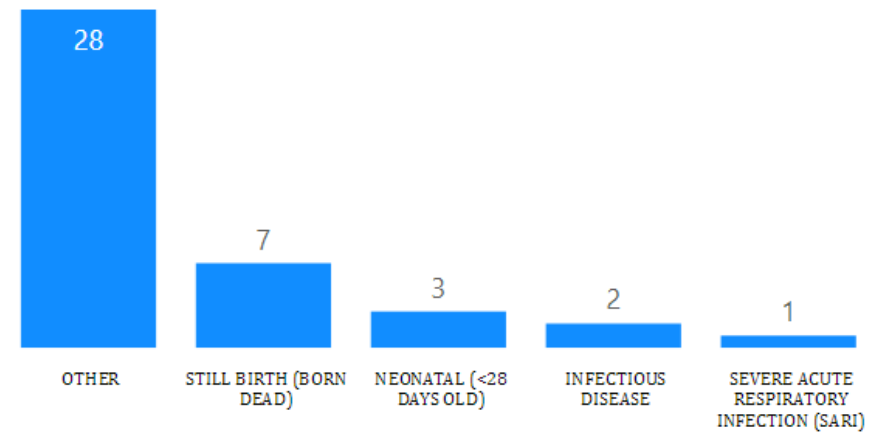
**Place of death**



**Distribution of deceased Camp**



**Distribution of Probable cause of death**



# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and  
Response System (EWARS)

Epidemiological Bulletin W30 2023



Ministry of Health and Family  
Welfare Bangladesh



World Health  
Organization



HEALTH SECTOR  
COX'S BAZAR



Printed: 03:14 Tuesday, 08 August 2023 UTC

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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

#	%	
952,309	-	Estimated total Rohingya population <sup>1</sup>
923,358	97%	Total population under surveillance
152	-	Total number of health facilities
141	93%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

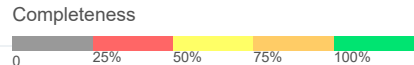
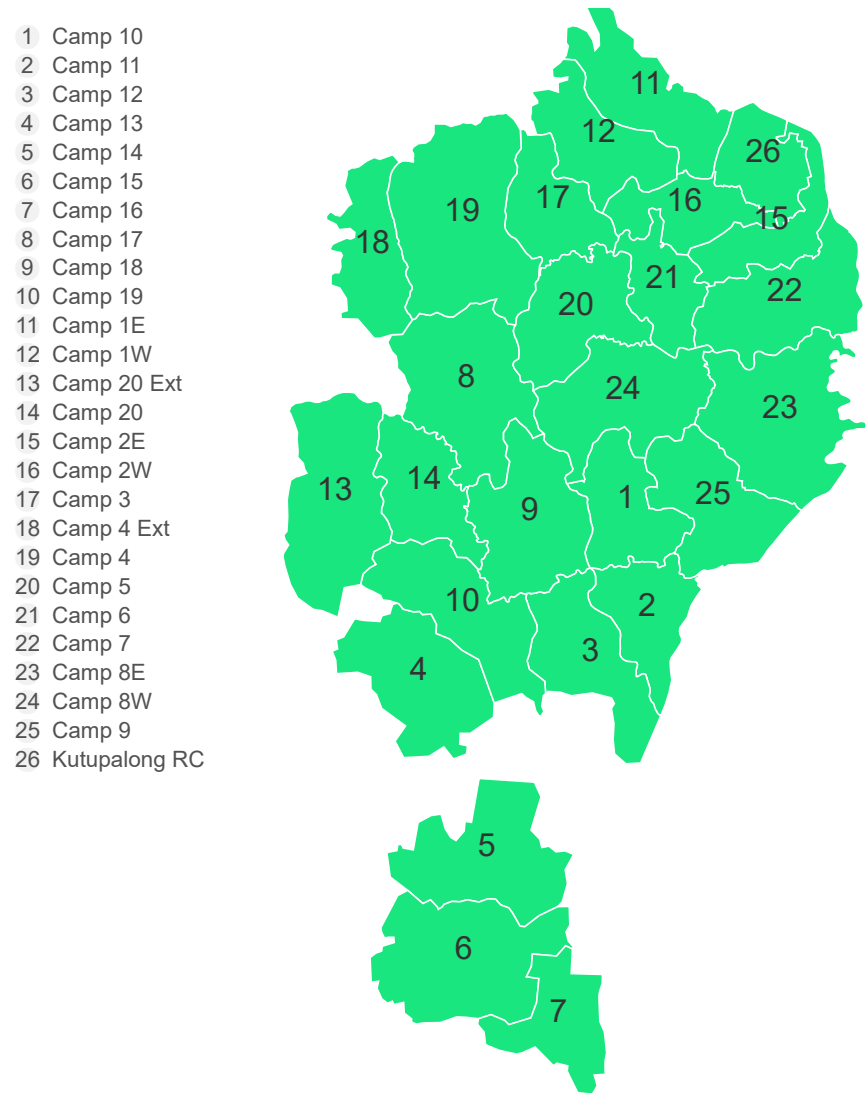
W30	Cumulative (2023)	
120	4458	Number of weekly reports received
85%	95%	Completeness
85%	87%	Timeliness

Table 3 Alert performance indicators

W30	Cumulative (2023)	
62	2,234	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

<sup>1</sup> Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2021.

Map 1a | Ukhia completeness by camp



Map 1b | Teknaf completeness by camp

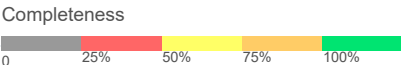
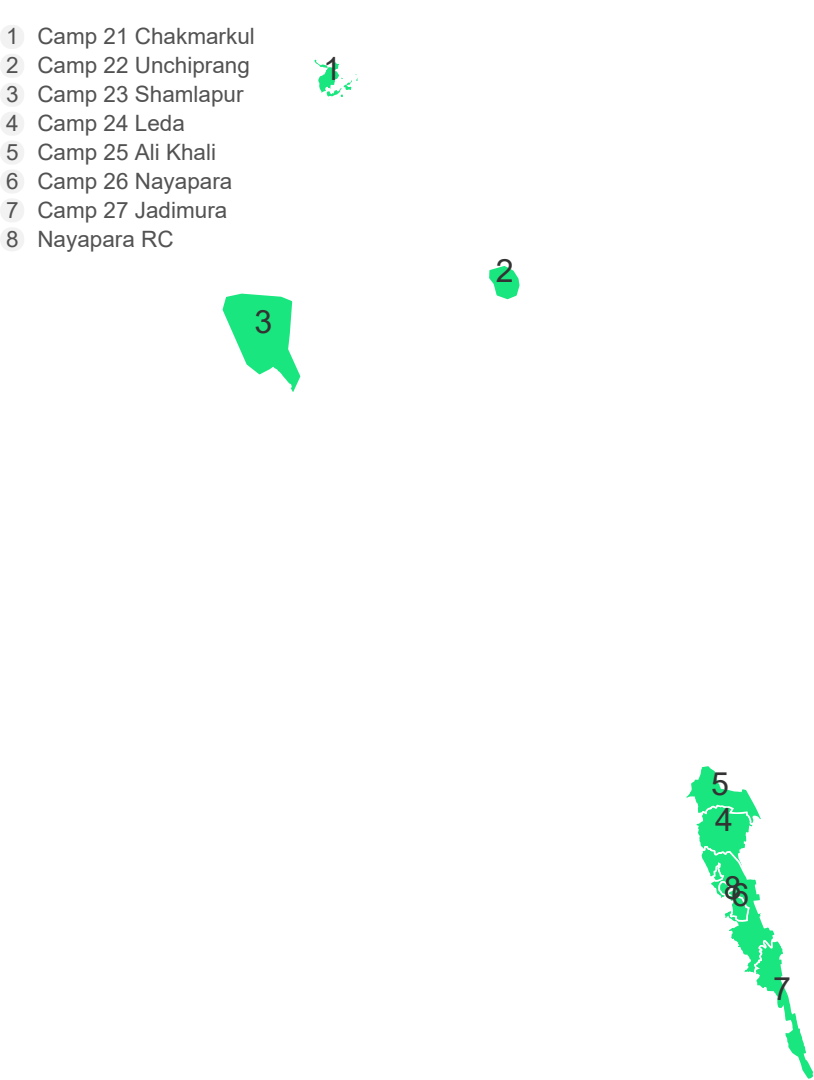




Table 4 | Performance by camp (W30 2023)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	4	100%	100%
Camp 1W	4	4	100%	100%
Camp 2E	3	3	100%	100%
Camp 2W	4	3	75%	75%
Camp 3	3	3	100%	67%
Camp 4	5	5	100%	100%
Camp 4 Ext	1	1	100%	100%
Camp 5	4	4	100%	100%
Camp 6	2	2	100%	100%
Camp 7	4	3	100%	88%
Camp 8E	9	8	88%	81%
Camp 8W	3	3	100%	100%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp

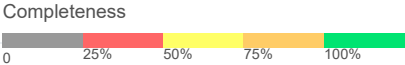
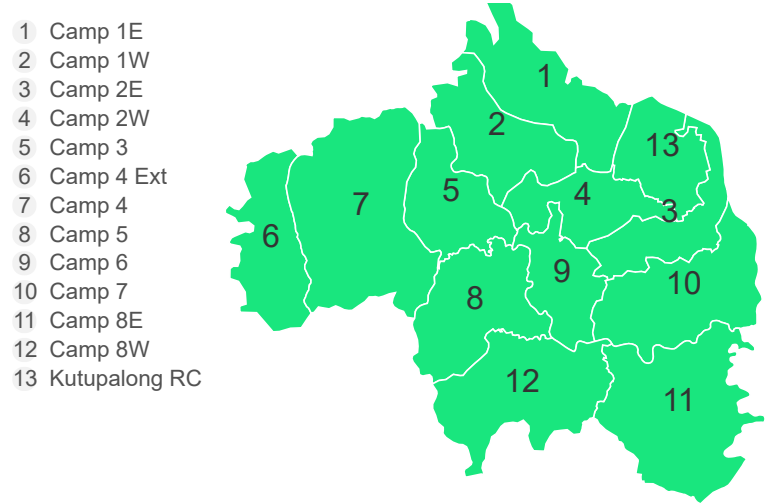


Table 5 | Performance by camp (W30 2023)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	100%	100%
Camp 11	3	3	100%	100%
Camp 12	5	3	60%	60%
Camp 13	7	6	86%	86%
Camp 14	6	3	83%	67%
Camp 15	8	6	88%	81%
Camp 16	7	5	86%	79%
Camp 17	3	2	67%	67%
Camp 18	4	3	75%	75%
Camp 19	3	3	100%	100%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	2	100%	100%
Camp 9	5	4	100%	90%

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

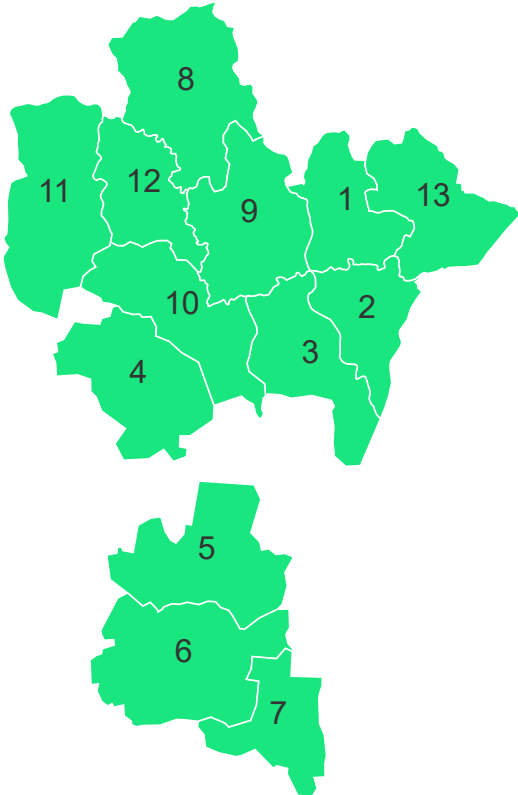


Table 6 | Performance by camp (W30 2023)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	3	3	100%	100%
Camp 22 Unchiprang	4	3	75%	75%
Camp 23 Shamlapur	2	2	100%	75%
Camp 24 Leda	2	2	100%	75%
Camp 25 Ali Khali	3	3	100%	100%
Camp 26 Nayapara	4	3	100%	88%
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 (W30 2023)

Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	2	1	50%	50%	IRC	6	3	100%	100%
AWARD	12	6	50%	50%	MSF	16	7	75%	75%
BASHMAH	2	1	50%	50%	MoH	24	9	67%	67%
BDRCS	18	8	44%	44%	MHI	2	1	100%	100%
BRAC	10	10	50%	50%	Medair	0	0		
CARE	8	0	0%	0%	FH/MTI	8	4	100%	100%
GH/CPI	2	1	50%	50%	PRANTIC	2	1	50%	50%
DBC	2	1	50%	50%	PULSE	2	1	50%	50%
DSK	2	0	0%	0%	QC	2	1	50%	50%
DCHT-PWJ	2	1	50%	50%	PHD	16	6	75%	75%
FRNDS	8	4	100%	100%	RPN	4	1	25%	25%
GK	20	10	100%	90%	RHU	6	3	50%	100%
Global One	0	0			RI	0	0		
GUSS	2	1	50%	50%	RTMI	14	7	100%	100%
HAEFA	4	2	50%	50%	SALT	2	1	50%	50%
HAIB	0	0			SCI	12	6	100%	100%
HMBDF	4	2	100%	100%	DCHT-MM	2	1	50%	50%
HOPE	2	1	50%	50%	Turkish Government	2	1	50%	50%
ICRC	0	0			TdH	4	2	100%	100%
IOM	38	19	100%	95%					

Table 8 | Performance by camp

Northern group	W30		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	2	100%	74	92%
Camp 1W	1	100%	106	92%
Camp 2E	10	60%	268	89%
Camp 2W	3	100%	129	96%
Camp 3	2	100%	107	94%
Camp 4	3	67%	103	87%
Camp 4 Ext	1	100%	21	95%
Camp 5	1	100%	54	83%
Camp 6	0	0%	48	94%
Camp 7	1	0%	45	91%
Camp 8E	0	0%	67	96%
Camp 8W	2	100%	119	91%
Kutupalong RC	1	100%	35	89%

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

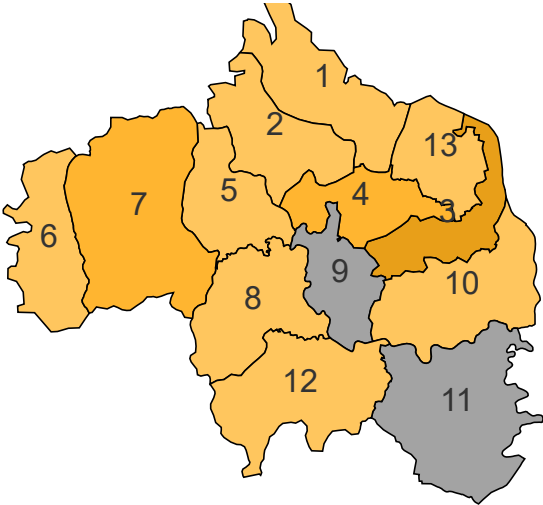


Table 9 | Performance by camp

Southern group	W30		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	1	100%	42	86%
Camp 11	6	83%	38	89%
Camp 12	1	0%	54	89%
Camp 13	1	100%	77	94%
Camp 14	1	100%	72	93%
Camp 15	2	100%	79	89%
Camp 16	0	0%	65	94%
Camp 17	1	100%	35	89%
Camp 18	5	100%	101	88%
Camp 19	0	0%	13	92%
Camp 20	1	100%	45	84%
Camp 20 Ext	0	0%	14	100%
Camp 9	0	0%	69	88%

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

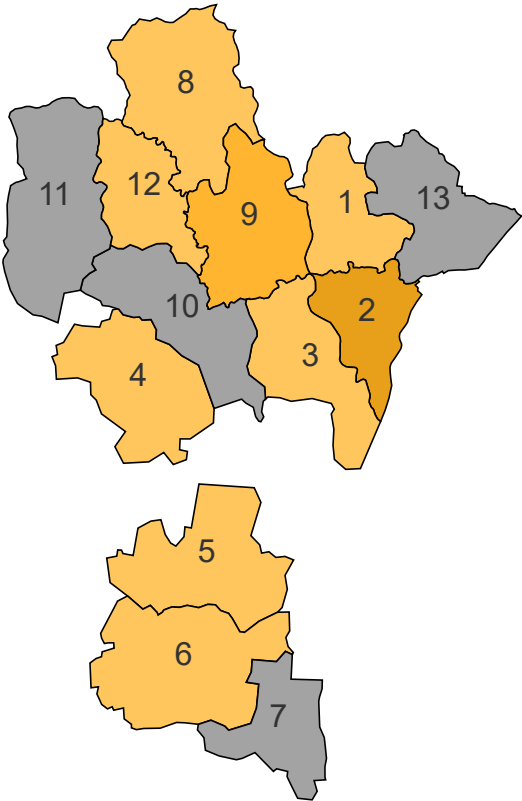


Table 10 | Performance by camp

Teknaf	W30		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	3	100%	60	100%
Camp 22 Unchiprang	5	100%	60	93%
Camp 23 Shamlapur	0	0%	4	75%
Camp 24 Leda	8	100%	141	92%
Camp 25 Ali Khali	0	0%	11	91%
Camp 26 Nayapara	0	0%	20	90%
Camp 27 Jadimura	0	0%	7	100%
Nayapara RC	0	0%	31	84%

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

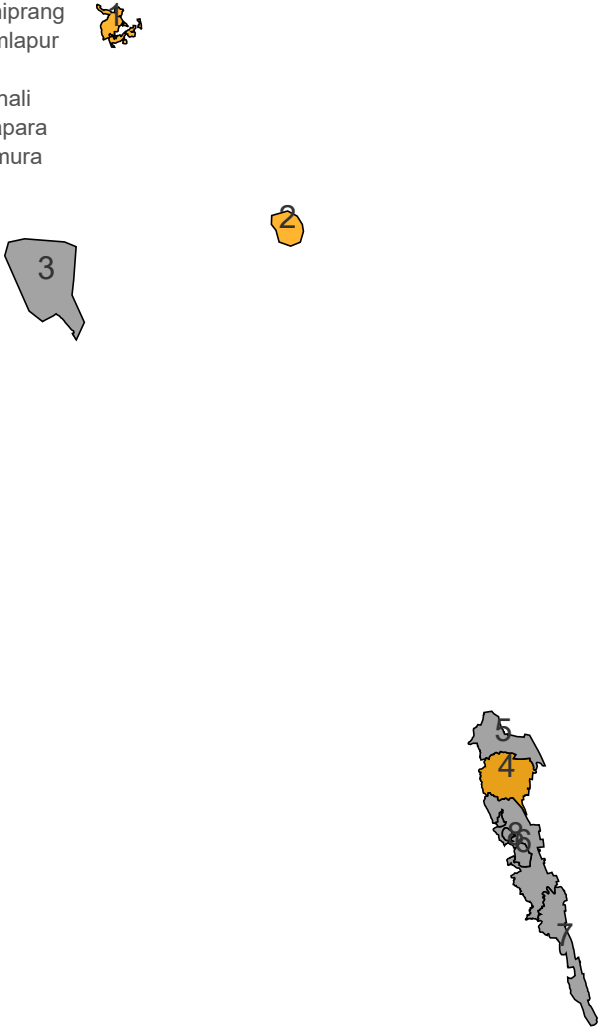


Table 11 | Performance by type of alert

Event	W30		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	0	0%	64	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	10	80%
Meningitis	0	0%	13	85%
Haem. fever (susp.)	1	0%	9	78%
NNT	0	0%	1	100%
Unexp. fever	0	100%	33	100%
AWD	0	0%	33	91%
ARI	0	100%	27	100%
AJS	0	0%	21	95%
Varicella (Susp.)	0	0%	92	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	6	0%	168	77%

Table 12 | Risk assessment

W30	Cumulative (2023)	
0	0	Low risk
0	0	Moderate risk
0	0	High risk
0	0	Very high risk



## For more help and support, please contact:

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## Notes

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

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

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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Bangladesh



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HEALTH SECTOR  
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Global  
**EWARS**

# Bangladesh

Rohingya Emergency Response

Early Warning, Alert and  
Response System (EWARS)

Annex W30 2023



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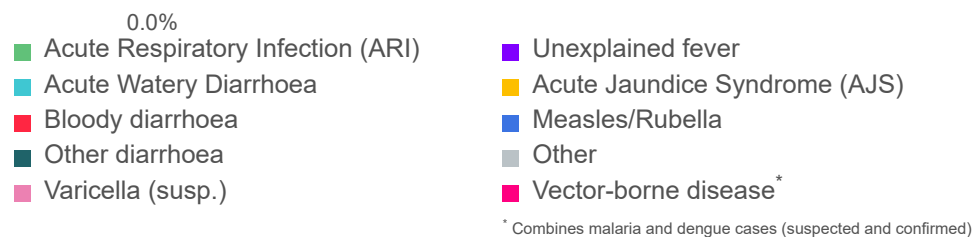
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Printed: 05:51 Sunday, 30 July 2023 UTC

# Proportional morbidity

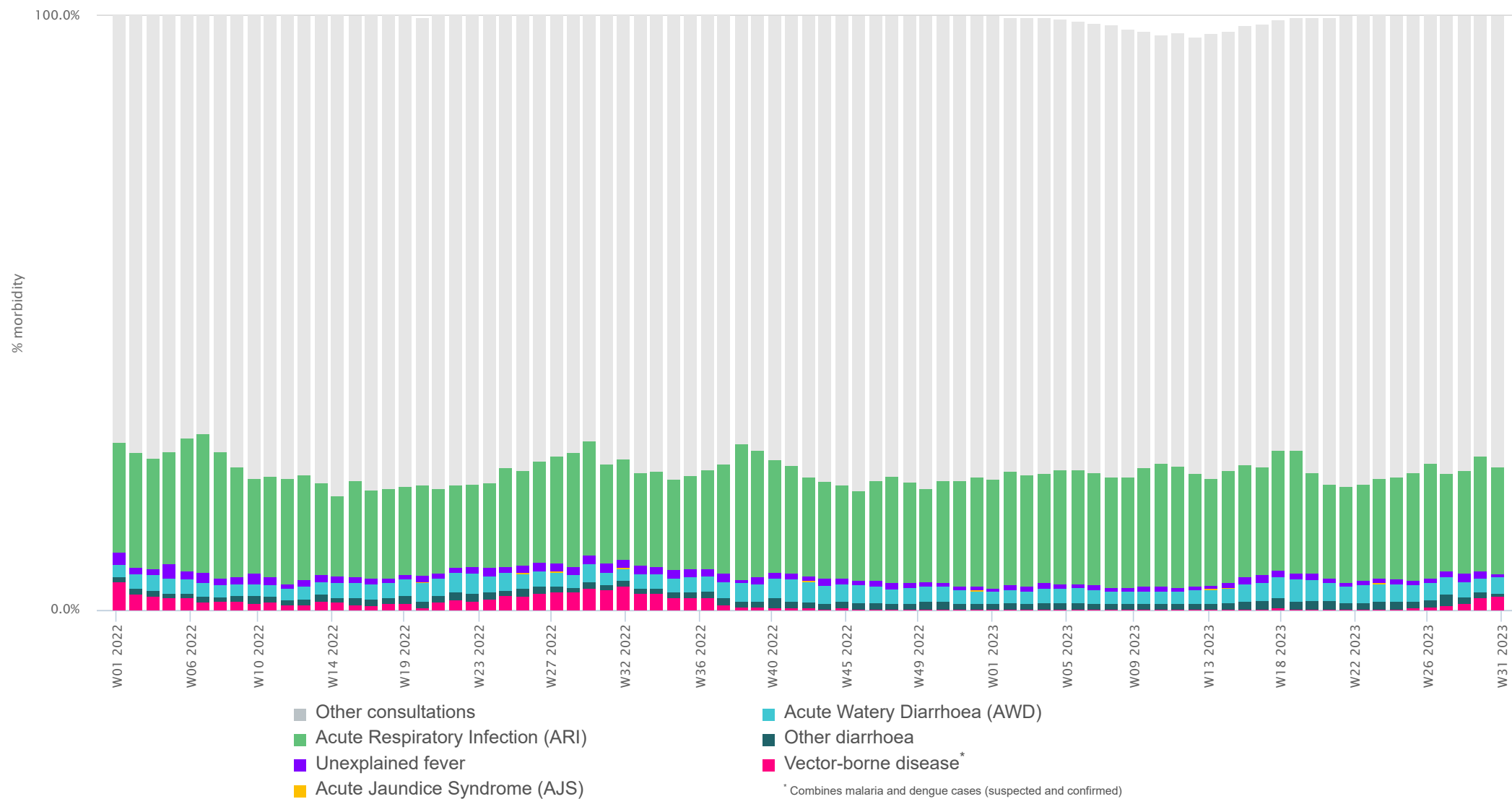
**Figure 1 | Proportional morbidity (W30 2023)**



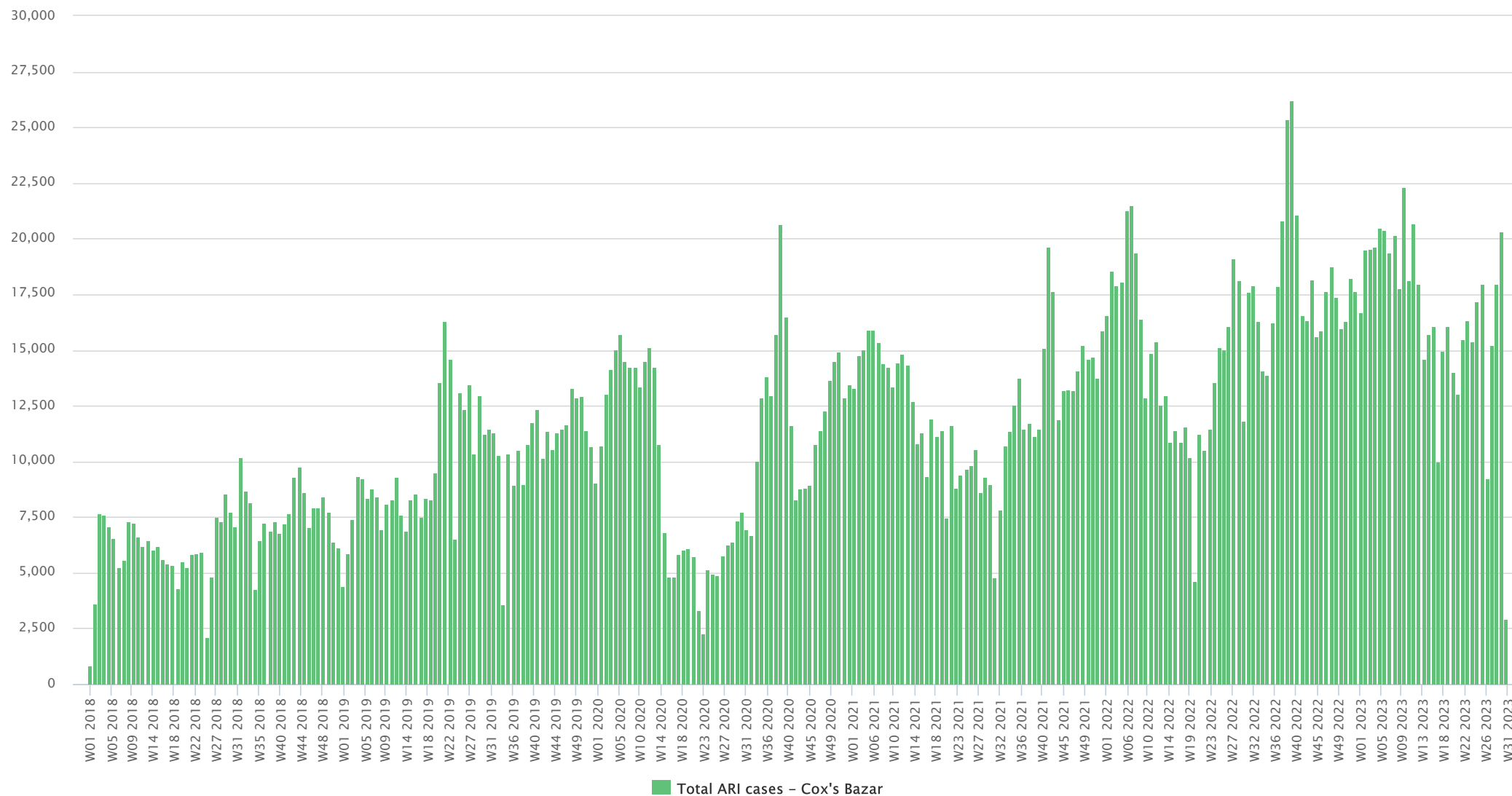
Disease	W30		2023	
	# cases	% morbidity	# cases	% morbidity
AWD	460	2.6%	71,758	2.6%
Bloody diarr.	38	0.2%	7,113	0.3%
Other diarr.	138	0.8%	34,467	1.2%
Susp. Varicella	4	0.0%	28,836	1.0%
ARI	3,238	18.0%	515,976	18.4%
Measles/Rub.	5	0.0%	446	0.0%
AFP	0	0.0%	128	0.0%
Susp. menin.	0	0.0%	135	0.0%
AJS	4	0.0%	503	0.0%
Susp. HF	0	0.0%	197	0.0%
Neo. tetanus	0	0.0%	3	0.0%
Adult tetanus	0	0.0%	7	0.0%
Malaria (conf.)	0	0.0%	94	0.0%
Malaria (susp.)	0	0.0%	2,016	0.1%
Dengue (conf.)	279	1.6%	5,252	0.2%
Dengue (susp.)	124	0.7%	1,909	0.1%
Unexpl. fever	99	0.6%	23,251	0.8%
Sev. Malnut.	12	0.1%	1,860	0.1%
Inj./Wounds	344	1.9%	70,165	2.5%
Other	13,214	73.5%	2,029,445	72.6%
<b>Total</b>	<b>17,879</b>	<b>100%</b>	<b>2,797,032</b>	<b>100%</b>

## Trend in consultations and key diseases

**Figure 2** | Trend in proportional morbidity for key diseases (W30)

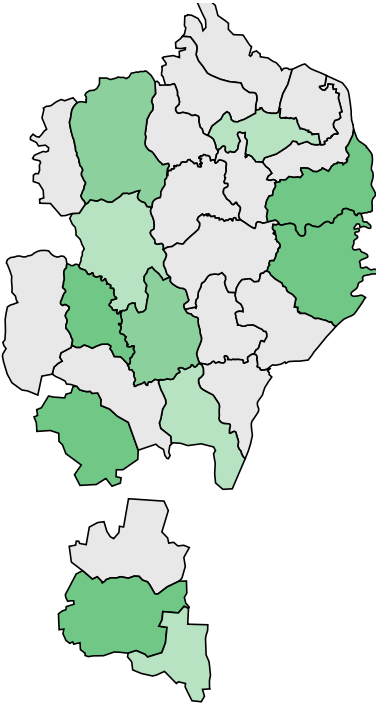


**Figure 3** | Trend in number of cases over time (W38 2017 - W30 2023)



Map 1 | Map of cases by camp (W30 2023)

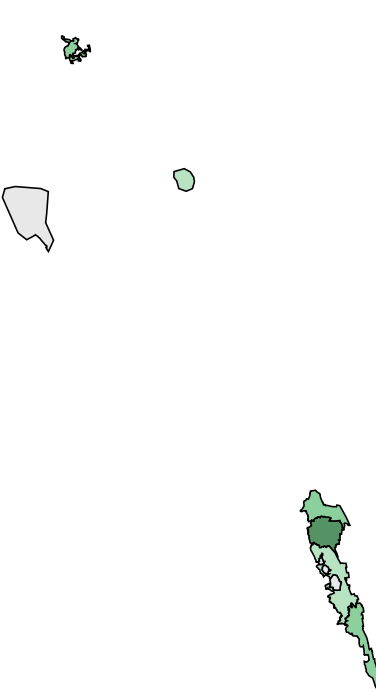
a. Ukhia | Number of cases



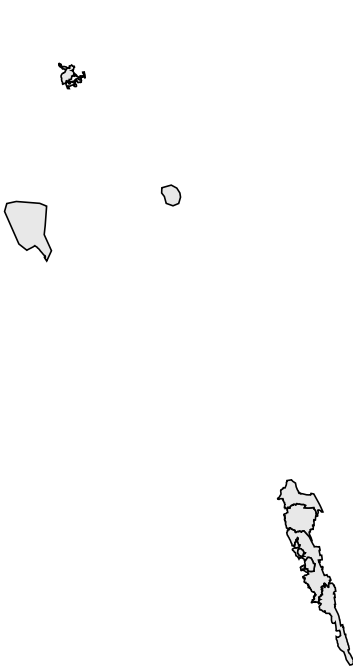
b. Ukhia | Number of alerts



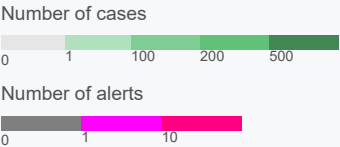
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W30 2023)

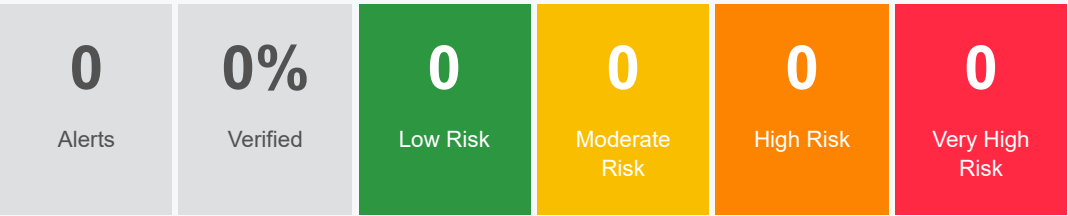
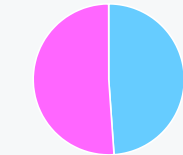
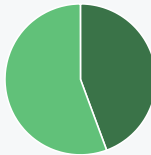


Figure | % sex



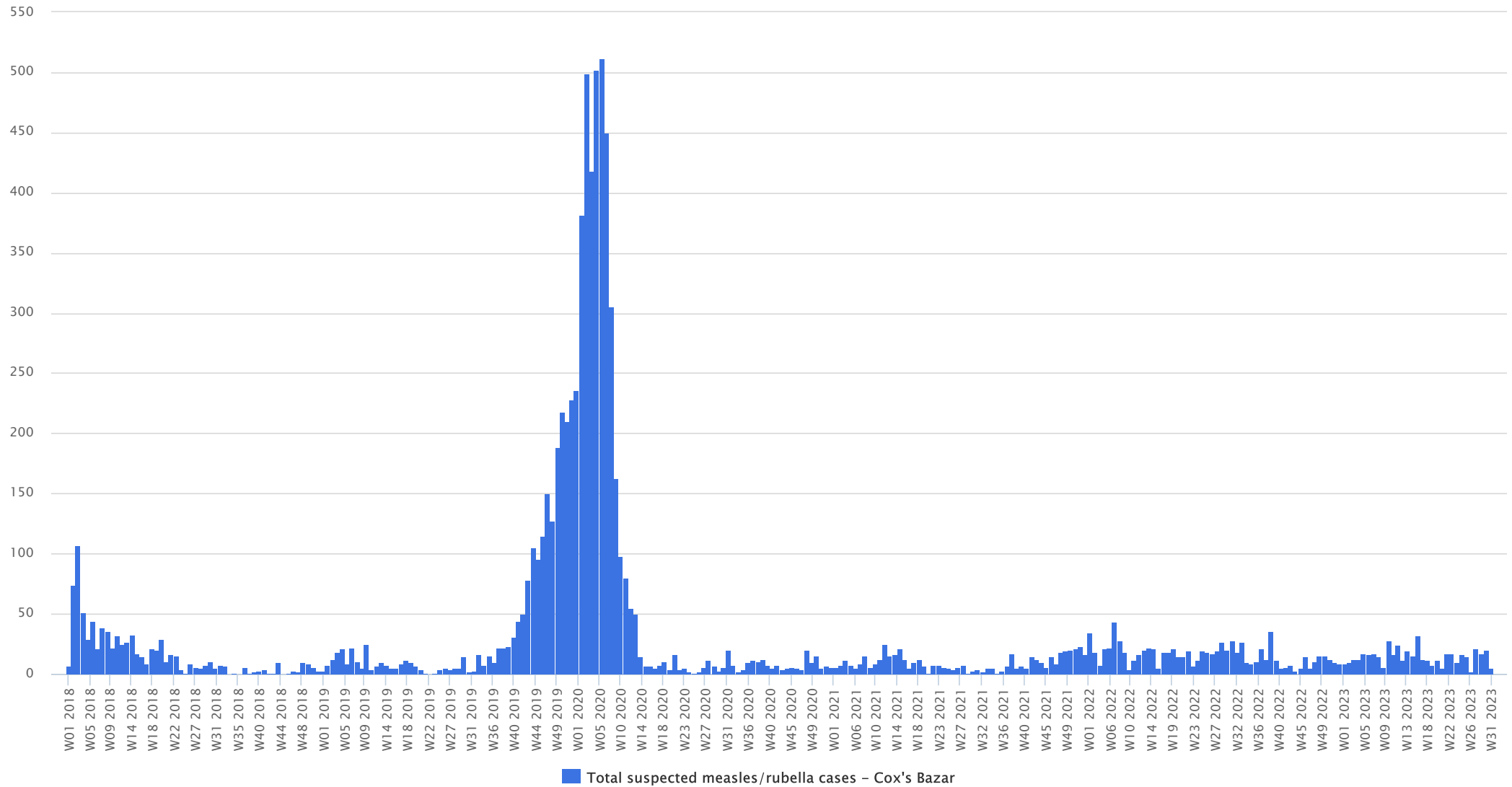
Male Female

Figure | % age



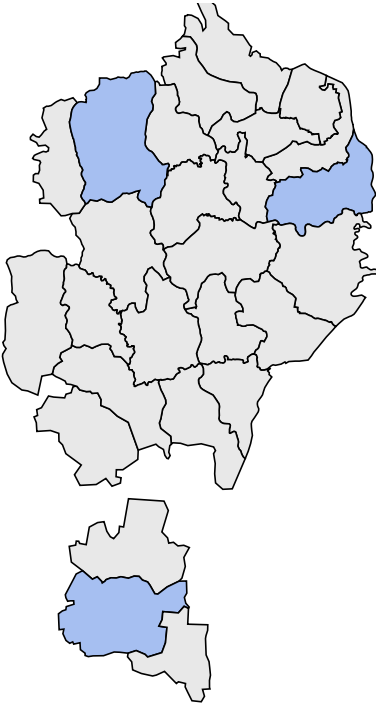
>=5 < 5

**Figure 4** | Trend in number of suspected cases over time (W38 2017 - W30 2023)



Map 2 | Map of cases by camp (W30 2023)

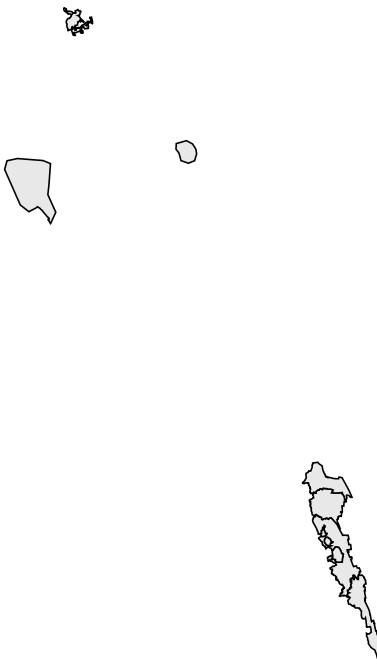
a. Ukhia | Number of cases



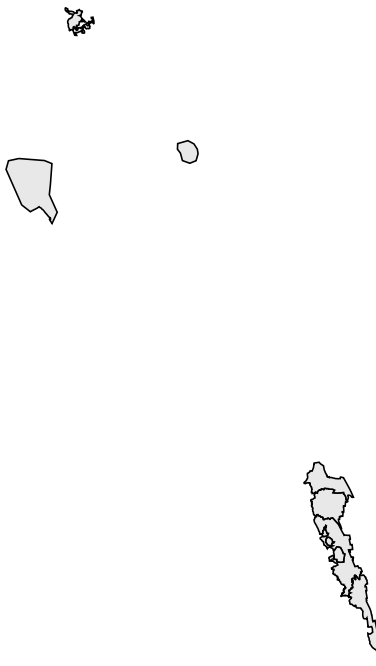
b. Ukhia | Number of alerts



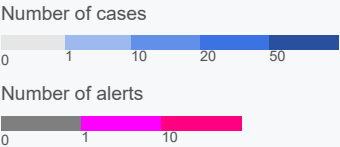
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold  
1 case. Source: IEDCR

Alert management (W30 2023)

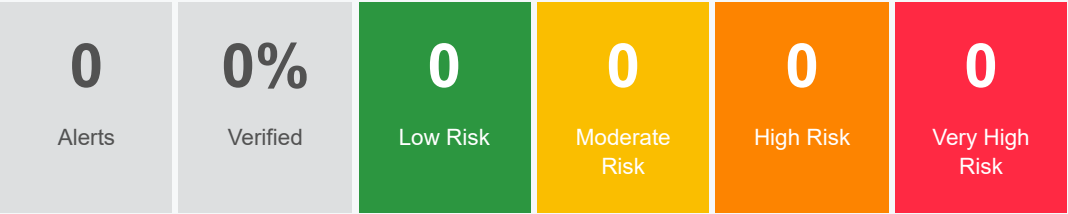


Figure | % sex

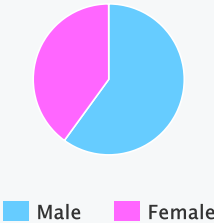
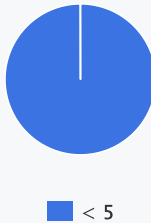
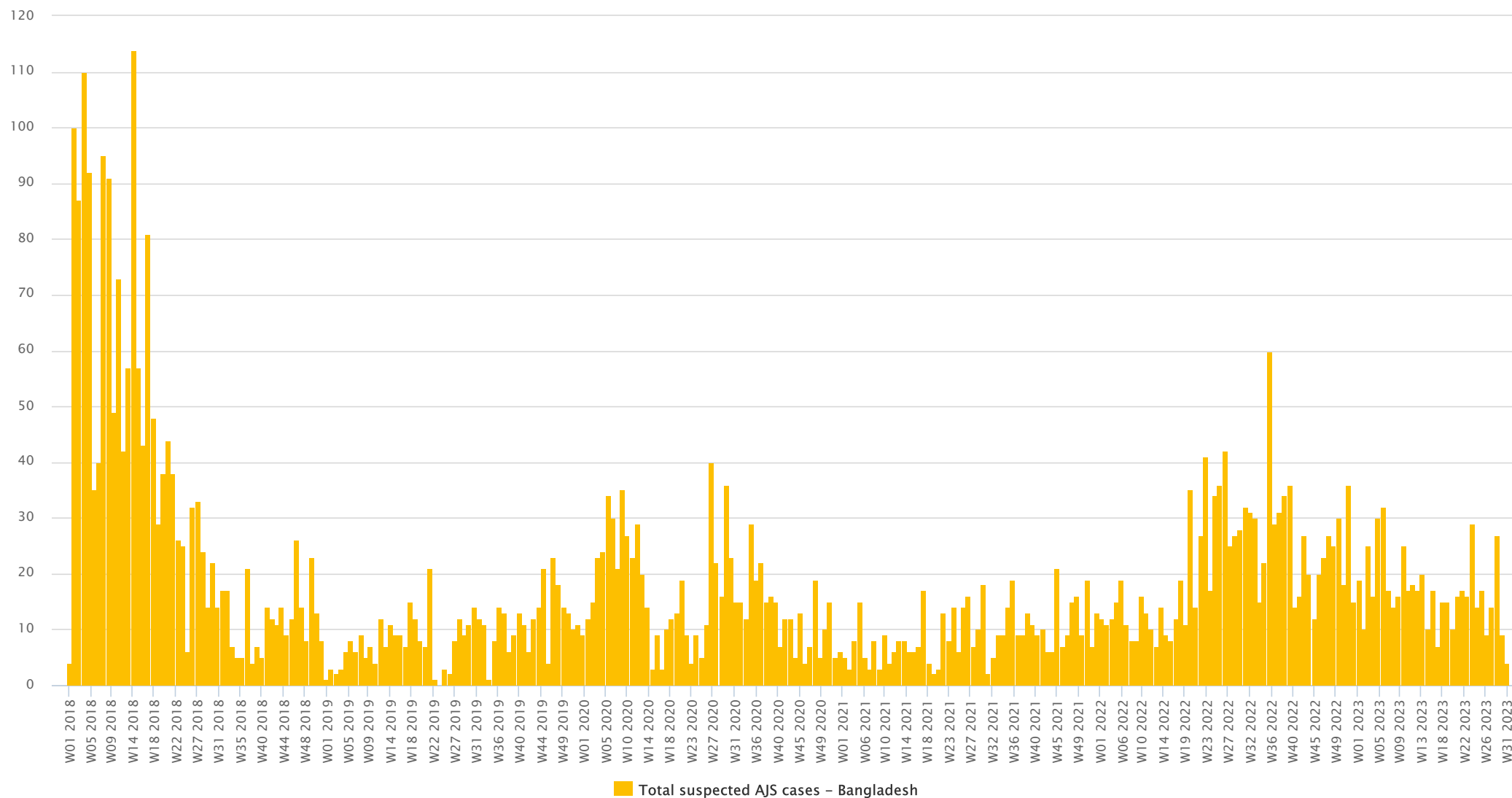


Figure | % age



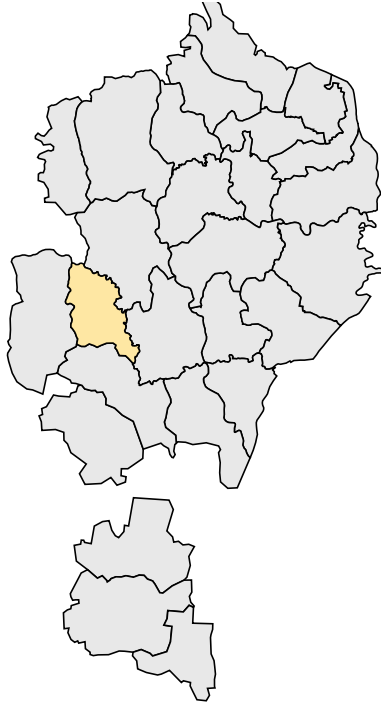


**Figure 5** | Trend in number of cases over time (W38 2017 - W30 2023)

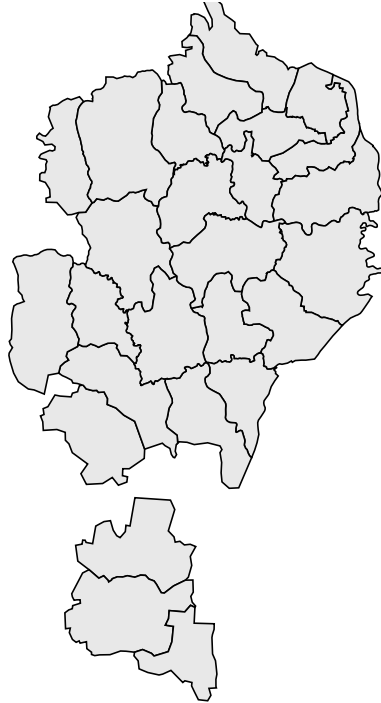


**Map 3 | Map of cases by camp (W37 2017 - W30 2023)**

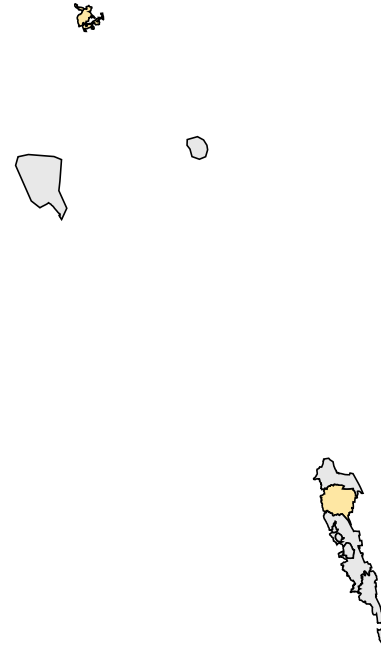
**a. Ukhia | Number of cases**



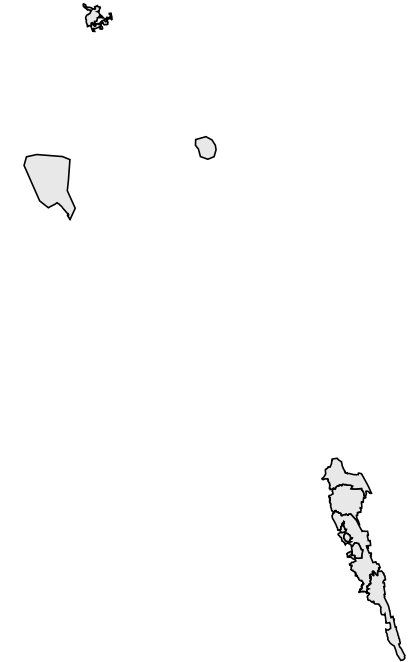
**b. Ukhia | Number of alerts**



**c. Teknaf | Number of cases**



**d. Teknaf | Number of alerts**



## Map legend

Number of cases



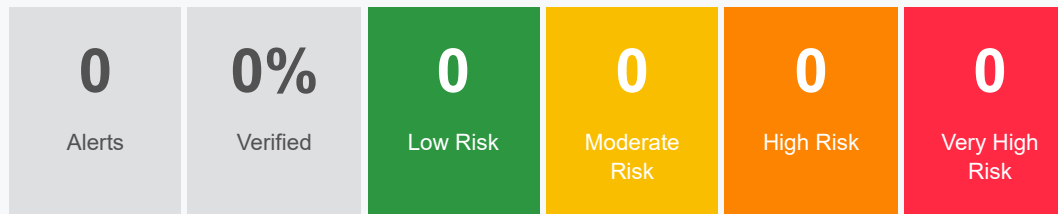
Number of alerts



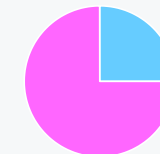
## Alert threshold

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

## Alert management (W30 2023)

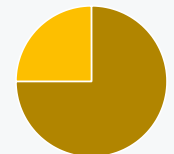


## Figure | % sex



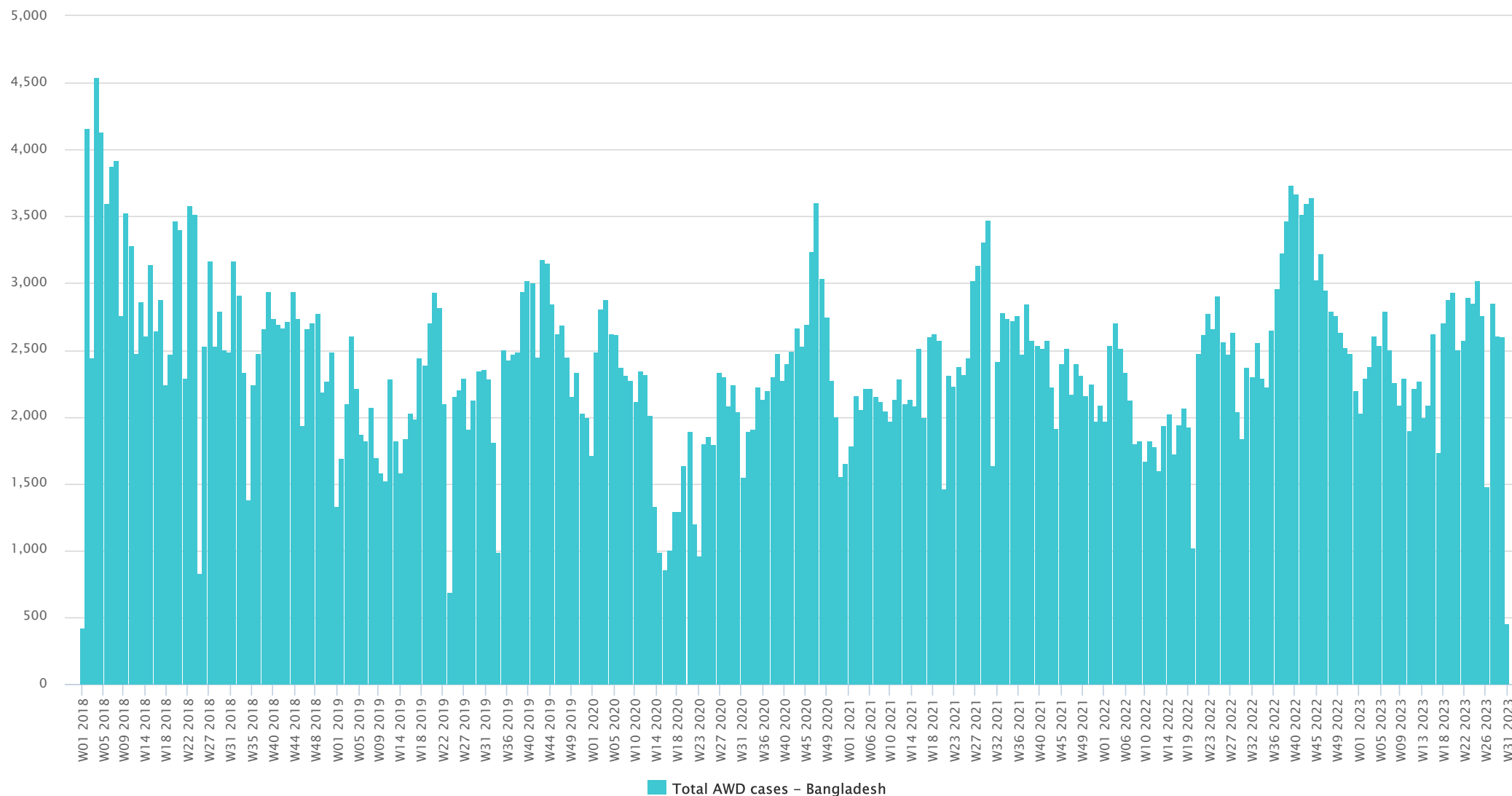
Male Female

## Figure | % age

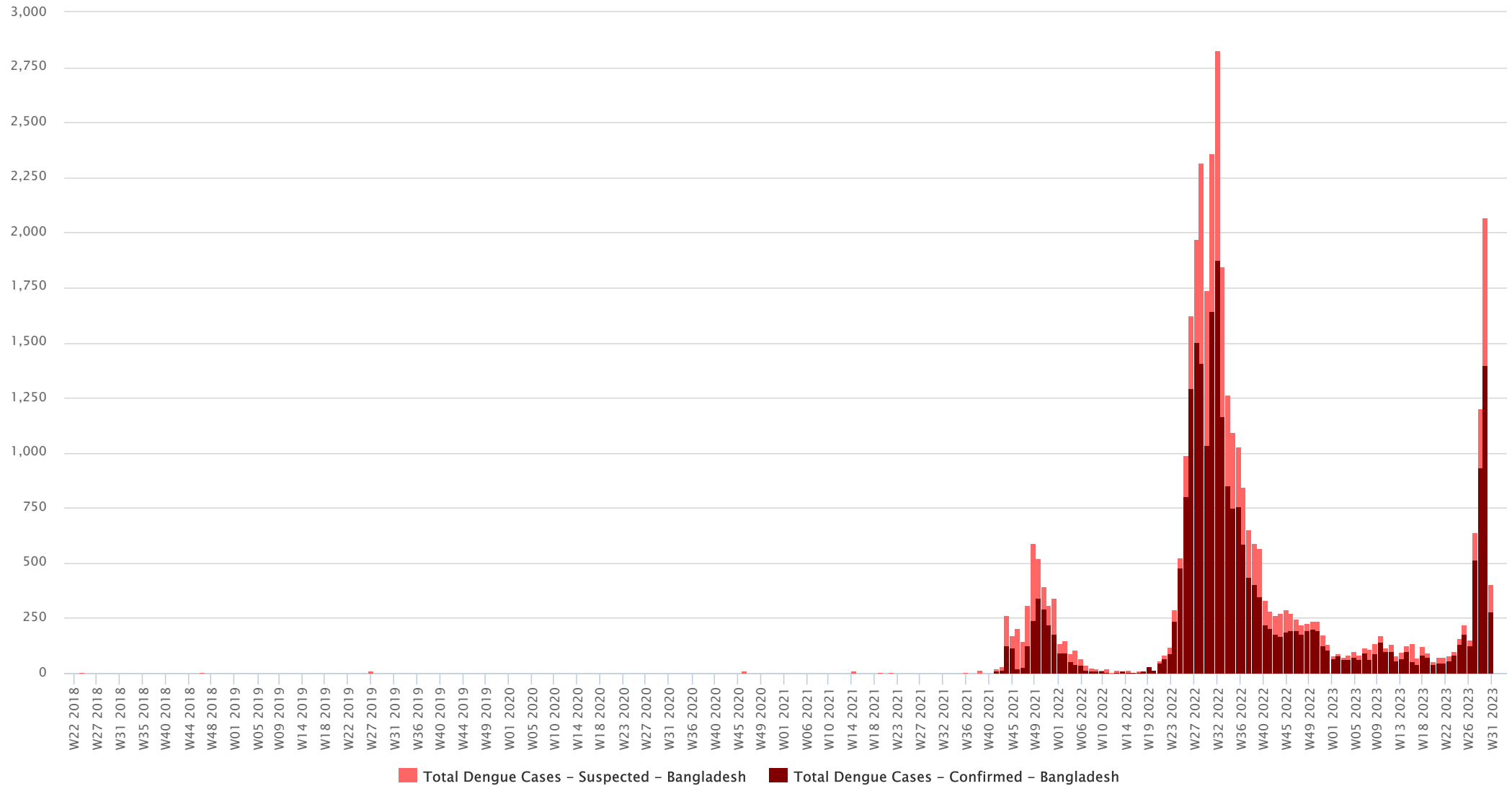


>= 5 < 5

**Figure 6** | Trend in number of cases over time (W38 2017 - W30 2023)

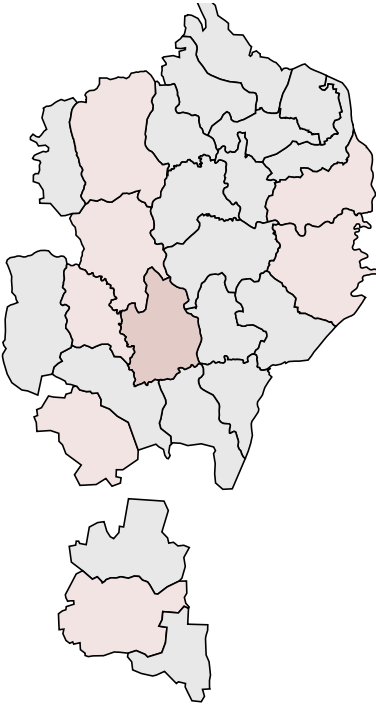


**Figure 7** | Trend in number of cases over time (W38 2017 - W30 2023)



Map 4 | Map of cases by camp (W37 2017 - W30 2023)

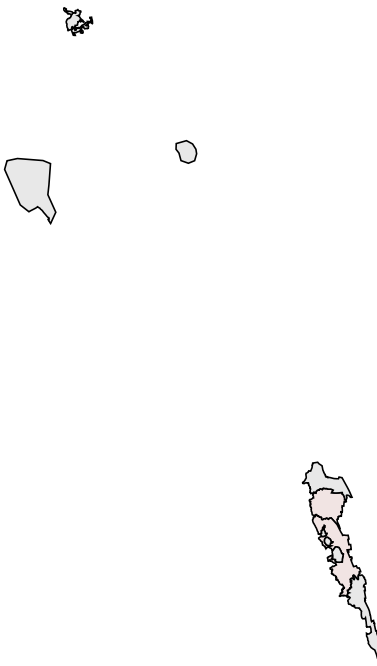
a. Ukhia | Number of cases



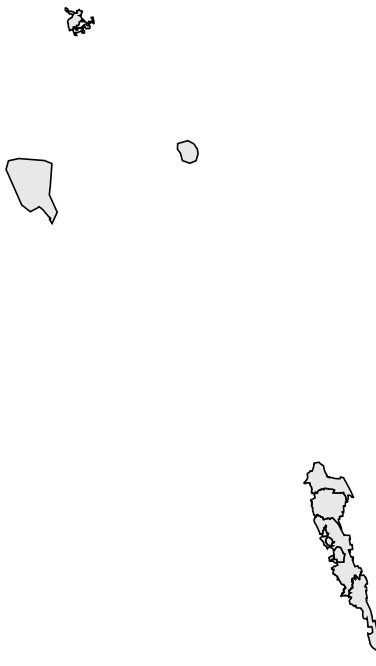
b. Ukhia | Number of alerts



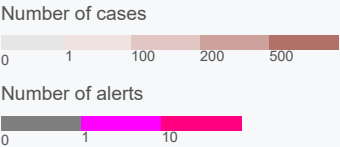
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W30 2023)

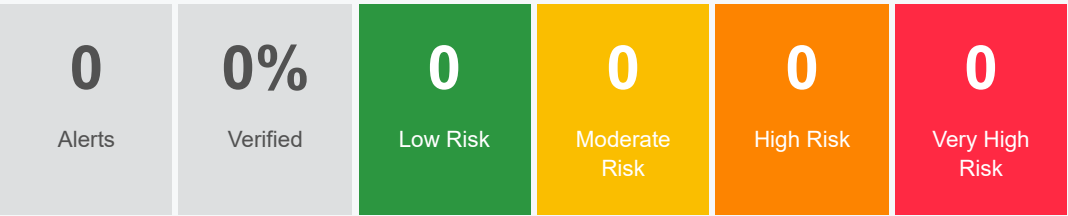


Figure | % sex

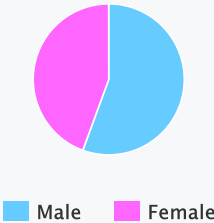


Figure | % age

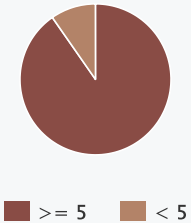
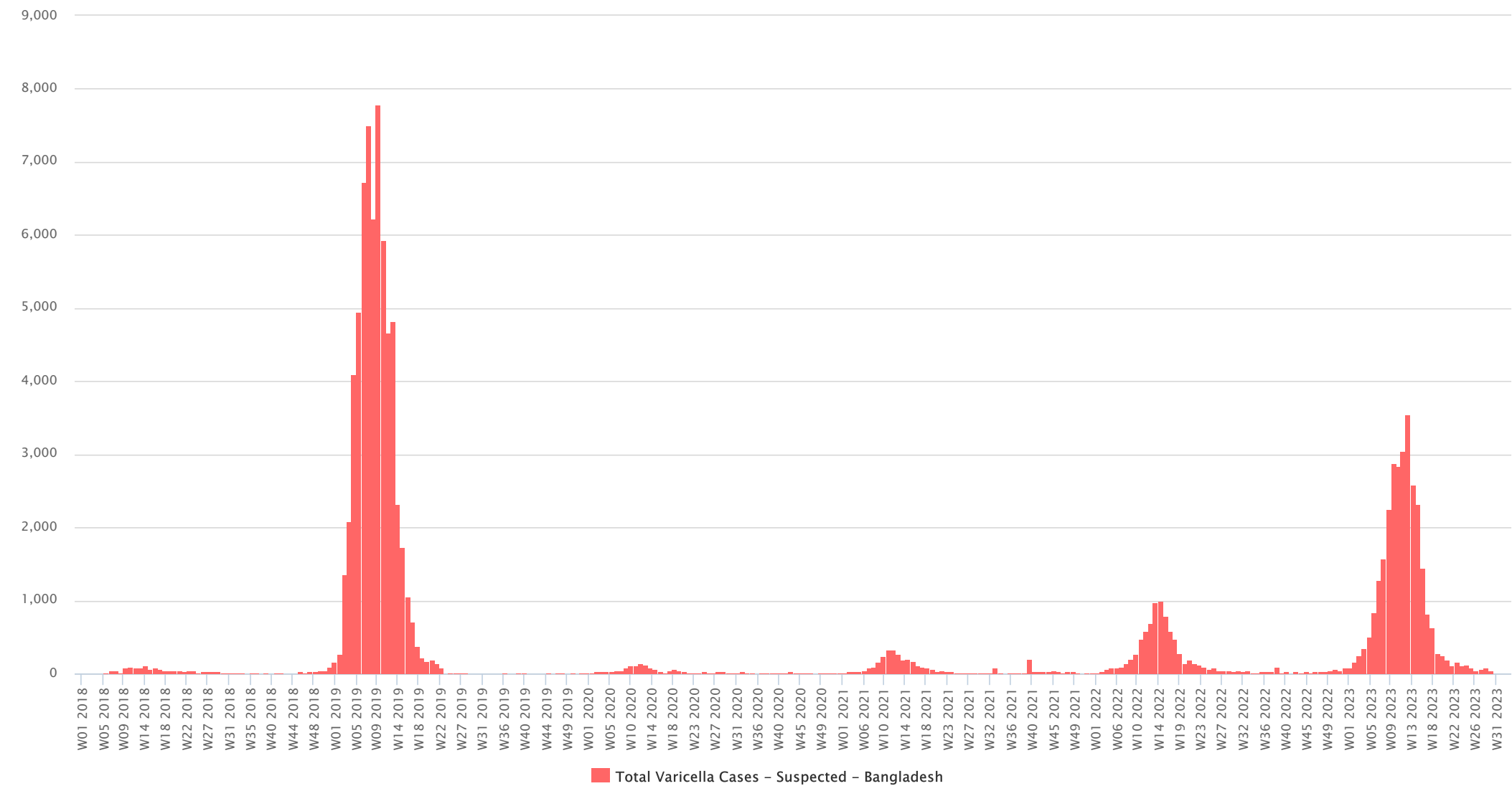
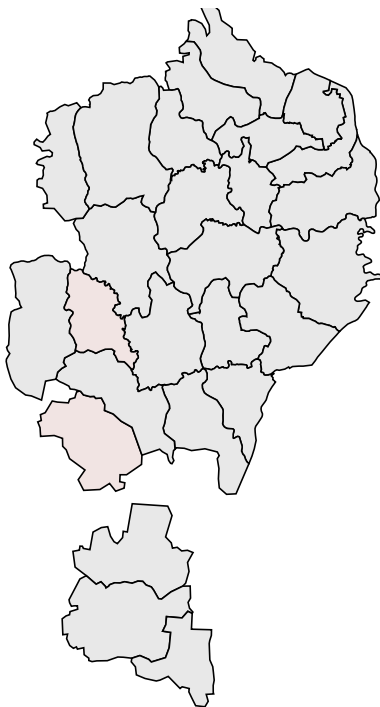


Figure 7 | Trend in number of cases over time (W38 2017 - W30 2023)

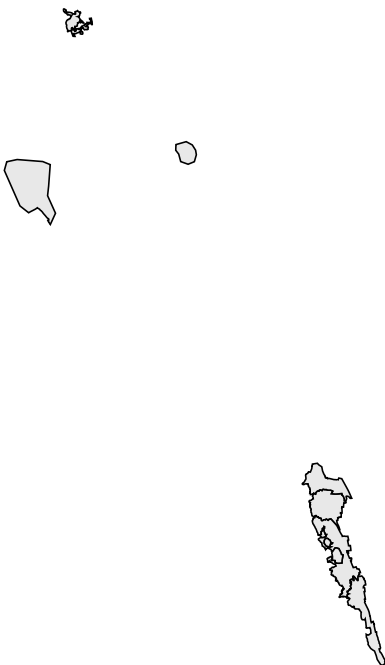


Map 4 | Map of cases by camp (W37 2017 - W30 2023)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

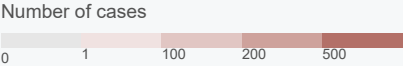


Figure | % sex

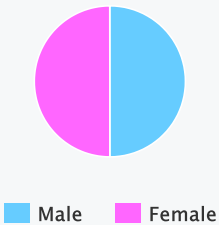
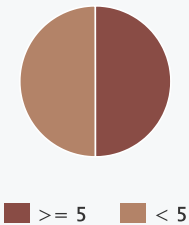


Figure | % age



## For more help and support, please contact:

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## Notes

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

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

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

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