



Epidemiological Highlights

Week 36 (3-9 October) 2023



Currently, a total of **134 health facilities** are registered in EWARS

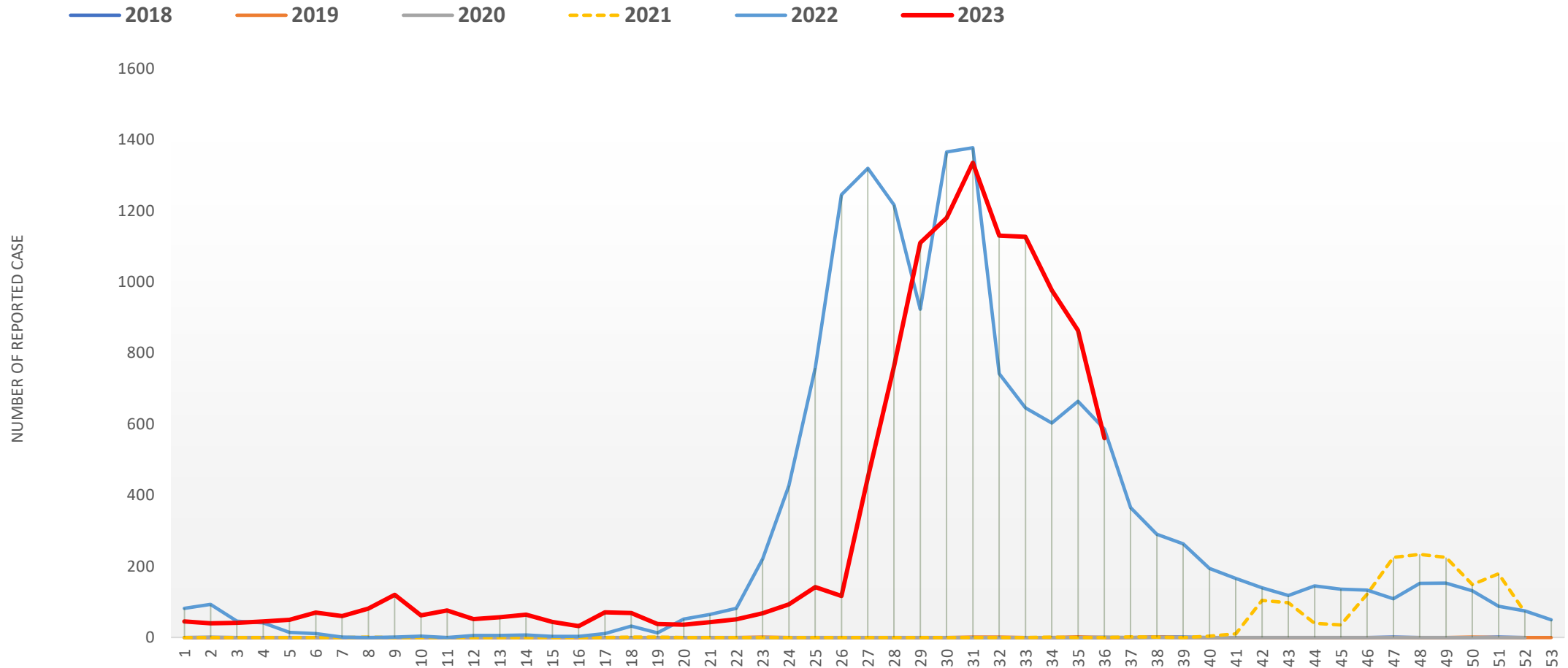
- Of those 115 weekly reports were received on time this week
- Timeliness and completeness of weekly reporting were 86% which is above the global and national weekly threshold
- Sixty-two (62) alerts were triggered; this is a 17% drop from the previous week (75 alerts in week 35, 2023)
- All alerts were reviewed and verified by the WHO EWARS team

Weekly Proportionate Morbidity and SARI Mortality among the FDMN population from 2020-Epi 1-36, 2023

- Acute Respiratory Infections (23.2%), Acute Watery Diarrhoea (3.3%), and Injury and wounds (2.3%) were the diseases and health conditions with the highest proportional morbidity this week.
- Monitoring of suspected SARI deaths under enhanced Community-based mortality surveillance has been continued since week 28, 2020. So far, 30 cases of which none is probable COVID-19 Death, have been reported in 2023
- This Epi week, Zero (0) new SARI death was reported, and upon investigation, none met reclassification as probable COVID-19 death as highlighted:

Year	Suspected SARI death reported (current week)	Reclassified as death due to probable COVID-19
2023	30 (0)	0
2022	136	8
2021	96	15
2020	49	2

Weekly trends of confirmed Dengue cases among FDMN and host population in Cox's Bazar from 2018 to Epi Week 36, 2023

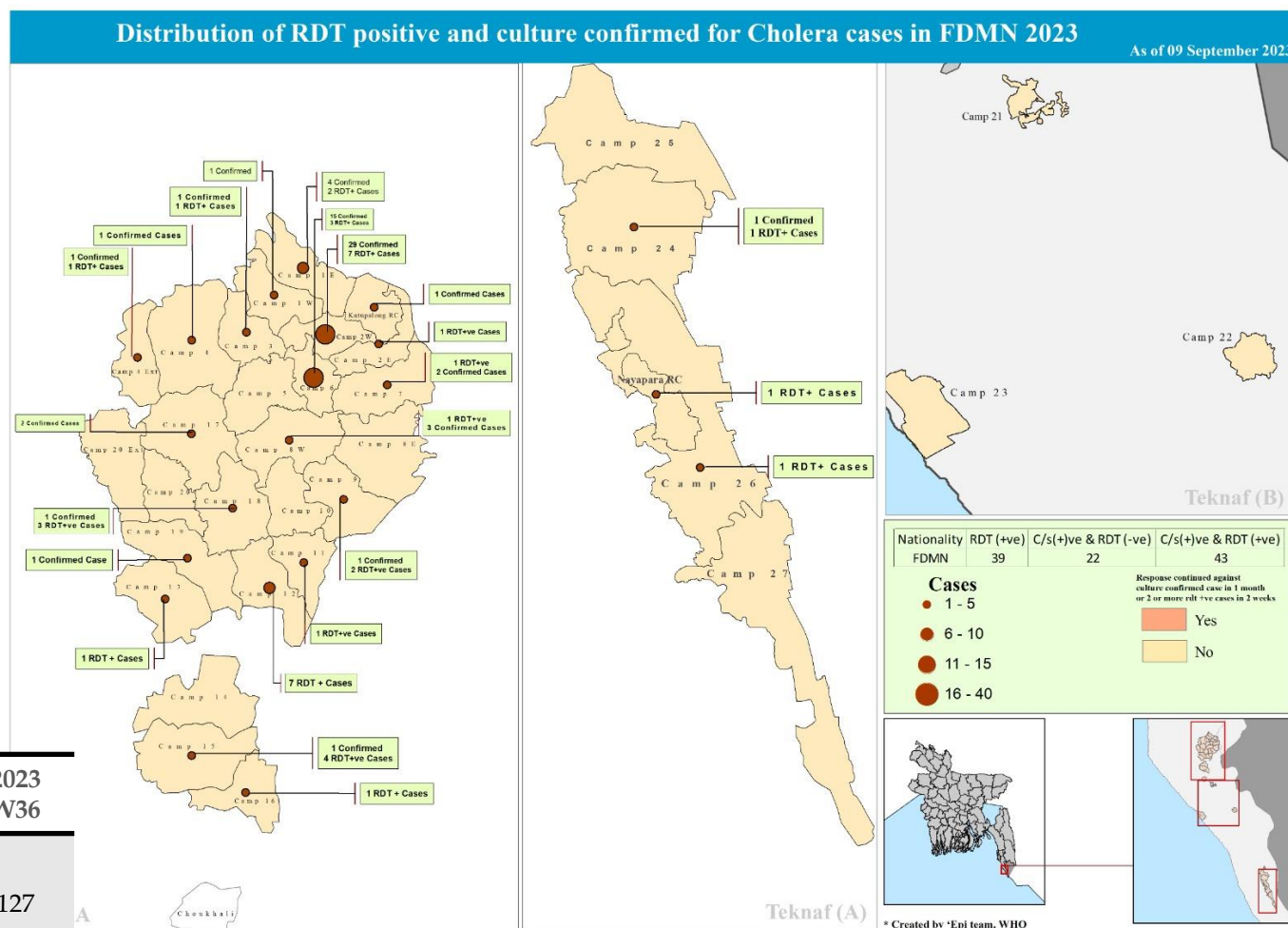


- ❑ A cumulative of 11,161 confirmed dengue cases including 14 deaths (CFR 0.1%) have so far been reported in 2023
- ❑ The current transmission is a continuation of that for 2021 and 2022 (possible endemic transmission established)
- ❑ Camp 3 and the surrounding camps continue to bear the greatest burden of the cases so far reported in 2023 similar to 2022

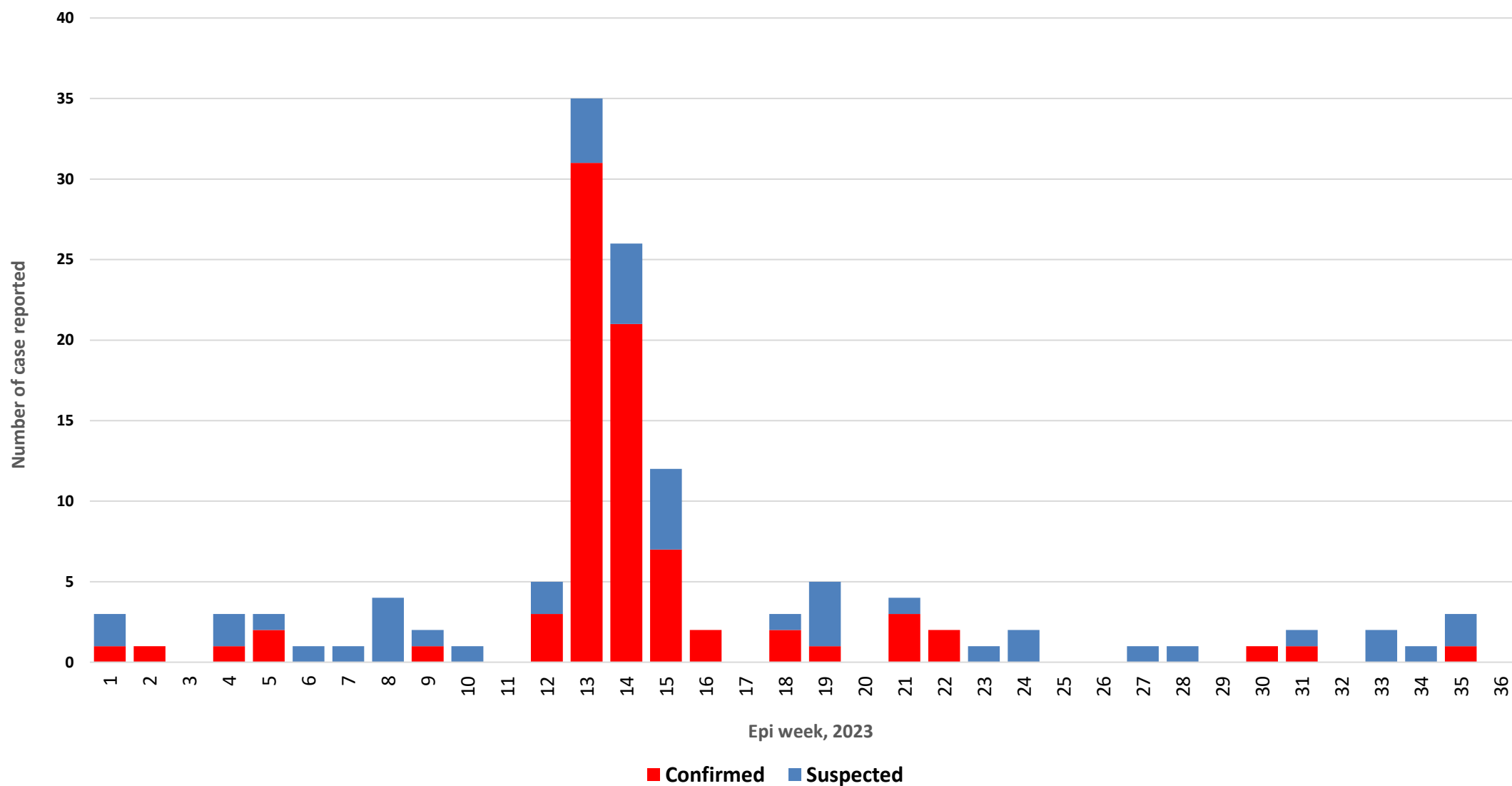
Cholera/AWD Surveillance Updates

- In this week, no new cholera case was reported
- A total of 127 cases of which 46 RDT-positive AWD/cholera suspected cases and 81 culture-confirmed Cholera cases have so far been reported in (Epi week 1-36) 2023.
- Cumulatively there are 988 RDT AWD cases/Cholera suspects reported while 483 cases were culture-confirmed since transmission in 2018.

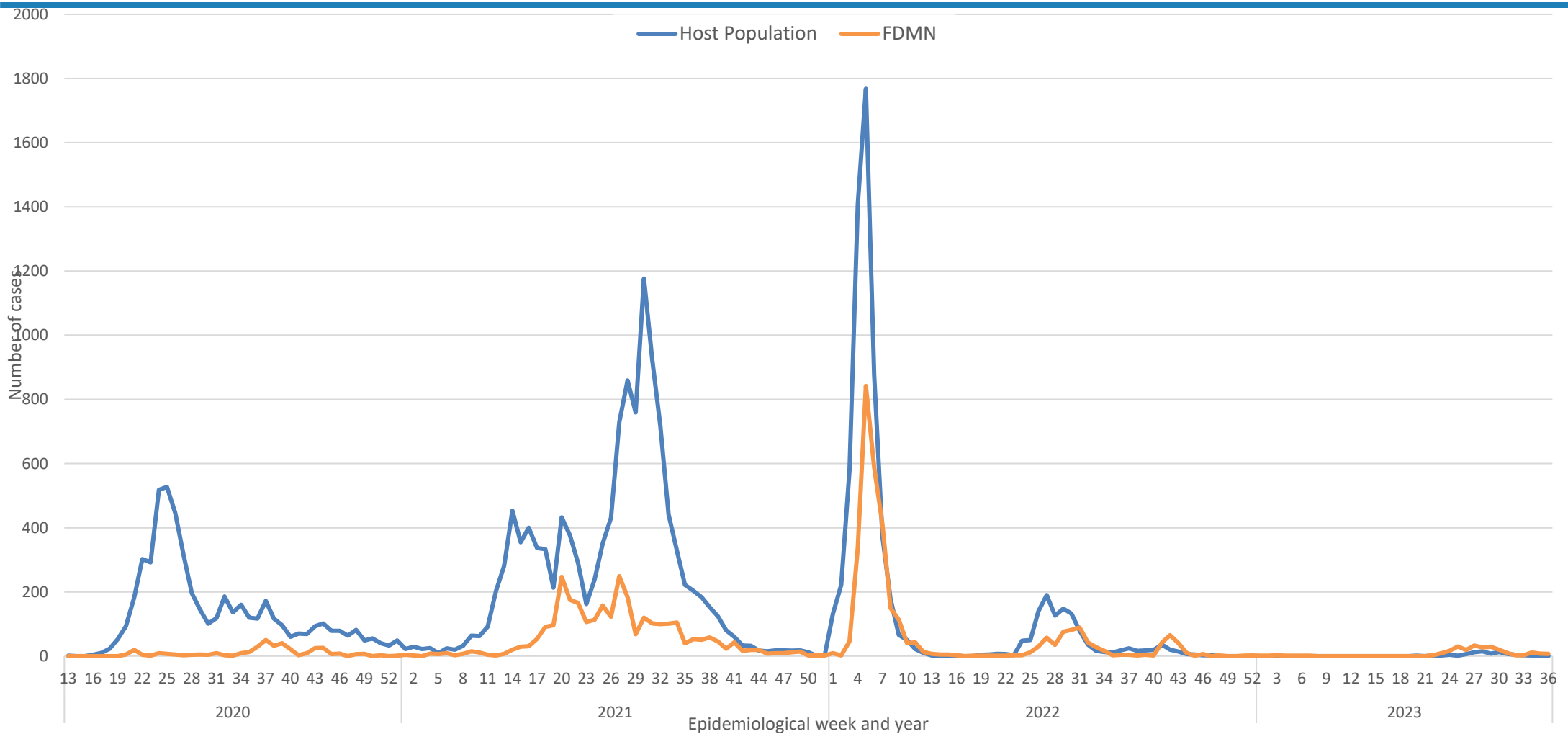
	2018	2019	2020	2021	2022	2023 W36
RDT positive AWD cases/Cholera suspects	49	258	28	357	170	127
Culture confirmed for Cholera	7	184	5	136	70	81



Weekly trends of suspected and confirmed cholera cases from Epi Week 1-36, 2023



Weekly Trends of COVID-19 Cases among FDMN and Host Population in Cox's Bazar District from Epi Week 13, 2020- Epi Week 36, 2023



FDMNs: Seven (7) new confirmed cases were reported this week from FDMN Camps, weekly TPR was 1.9% and case incidence was 7.6 cases/1 million pop.

Host Population: No (0) new confirmed case was reported this week from the Host community, with zero weekly TPR and case incidence

Weekly and annual Diphtheria Surveillance Updates from 2017- Epi week 36, 2023

Two (2) suspected diphtheria cases were reported in go.data in this Epi week

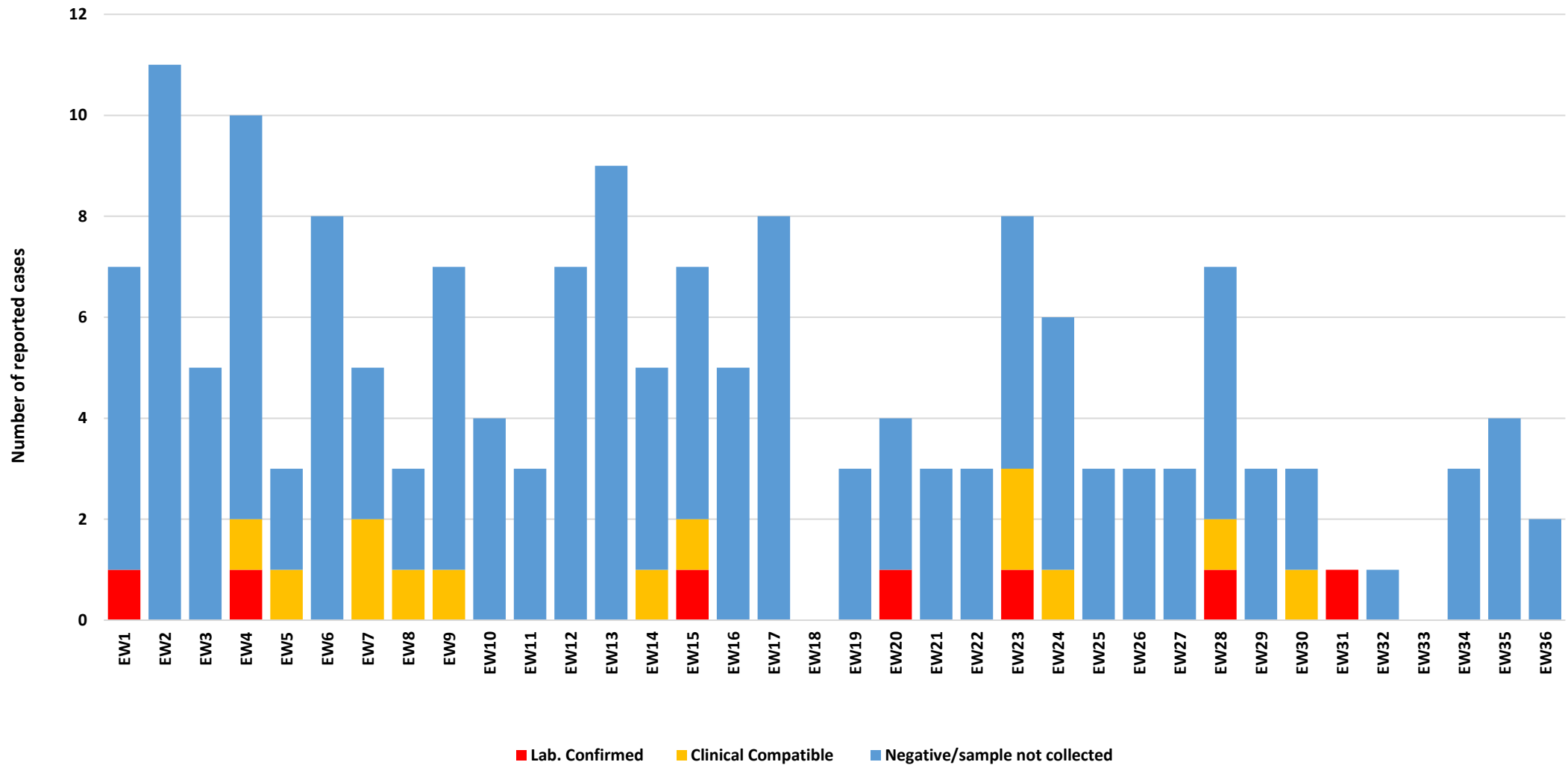
The last confirmed case was reported on 2 August 2023

About 167 cases (7 lab. confirmed, 13 clinical compatible and 147 negative/sample not collected) of which there was one (1) death reported so far in 2023.

In total 54 deaths have so far been reported since 2017, with the last death reported on 15 May 2023

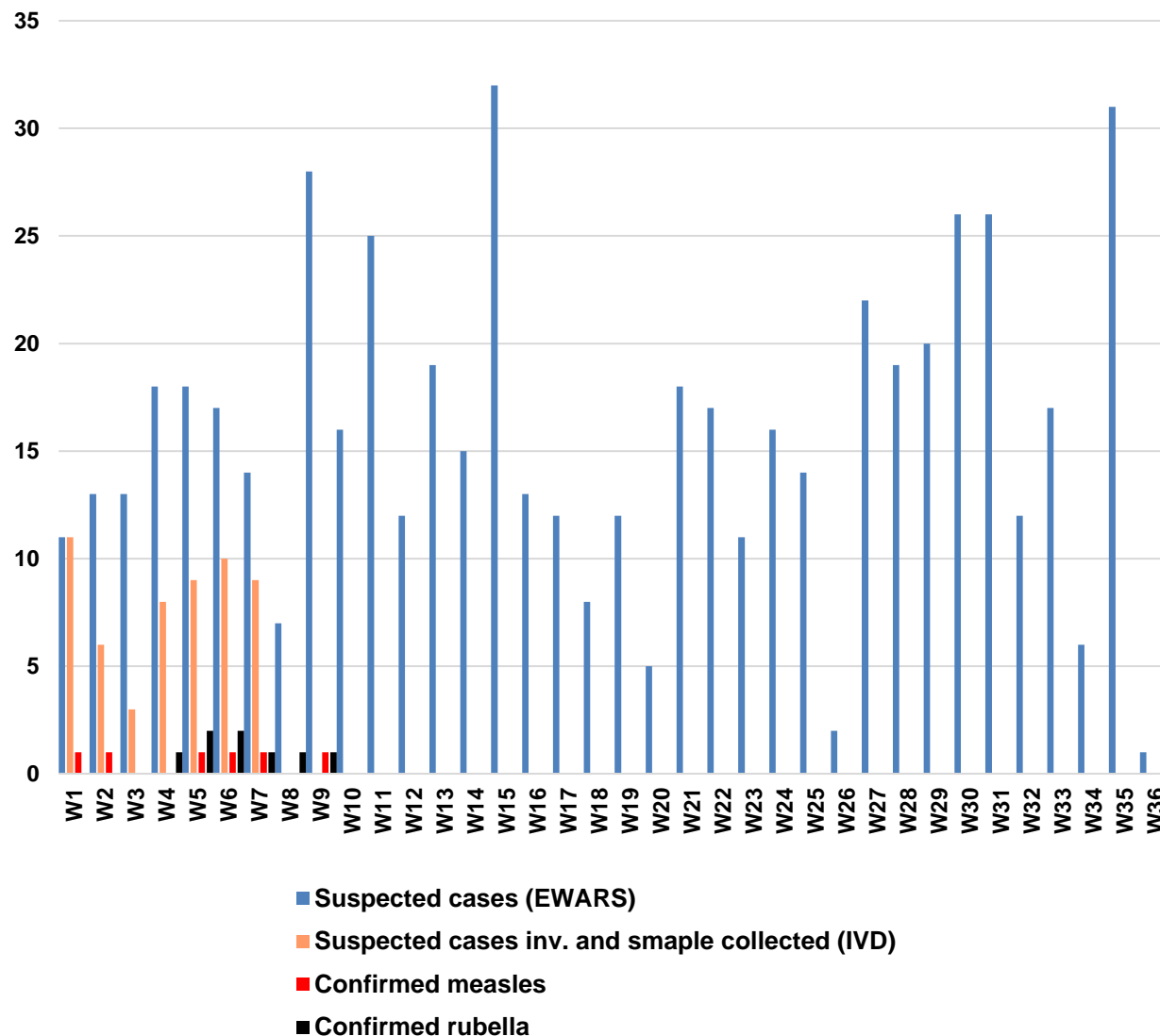
Classification	2017	2018	2019	2020	2021	2022	2023
Lab. Confirmed	66	226	31	19	30	56	7
Clinical Compatible	1154	1555	60	9	29	3	13
Negative/sample not collected	1796	3549	523	198	118	349	147
Death	30	14	3	0	5	2	1

Weekly trends of Diphtheria cases from Epi weeks 1-36, 2023



Epi Curve of Weekly Suspected Measles Cases Week 1-36, 2023

- One (1) suspected measles cases were reported this Epi week
- A total of 549 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 continue with joint investigations and surveillance



Proportionate Mortality updates Epi week 36, 2023

Probable causes of death	Epi week 36	In 2023
Still Birth	7 (11%)	224 (12%)
Neonatal Death (<28 days old)	9 (14%)	203 (11%)
Infectious Disease	3 (5%)	56 (3%)
Severe Acute Respiratory Infection (SARI)	--	23 (1%)
Injury	1 (2%)	39 (2%)
Maternal Death	2 (3%)	34 (2%)
Acute Malnutrition	1 (2%)	3(0%)
Other	43 (65%)	1323 (69%)
Total	66 (100%)	1905 (100%)

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

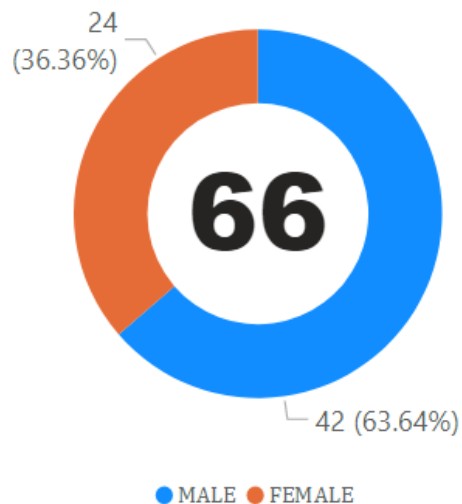
Community-based Mortality Surveillance updates Epi week 36, 2023

36 ▾

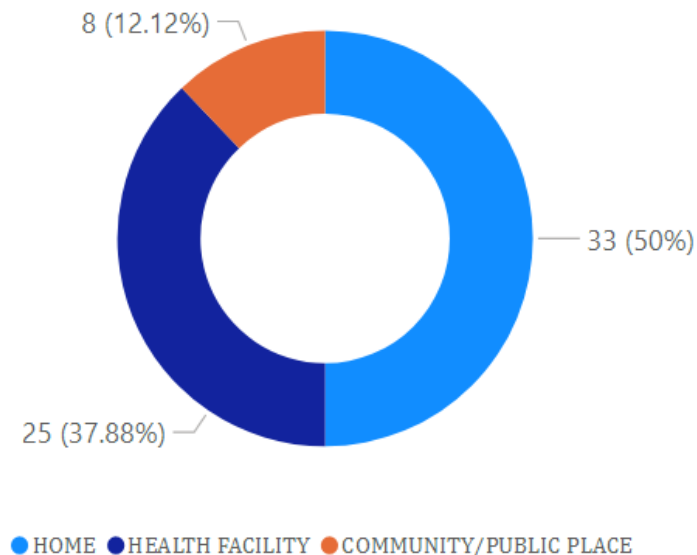
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2023 ▾

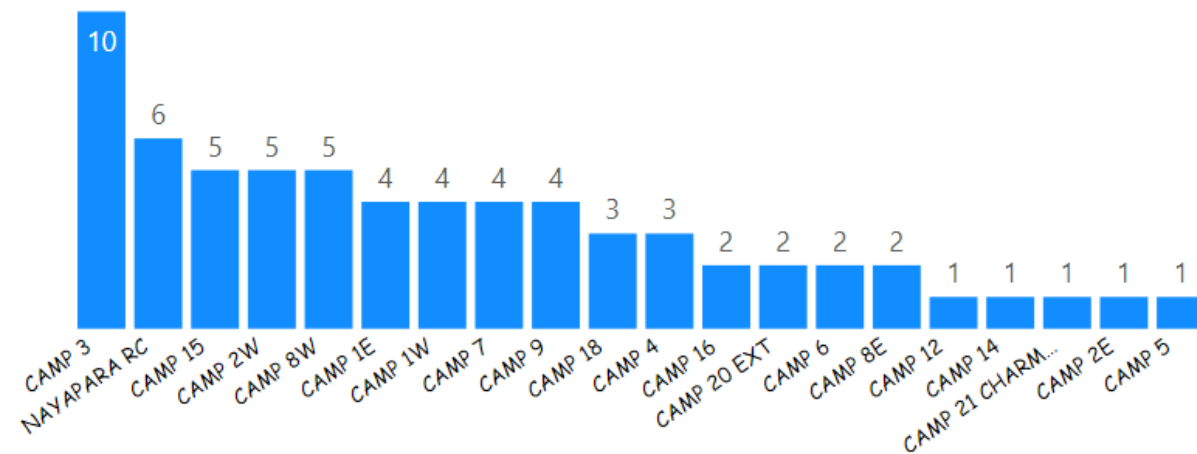
Gender distribution



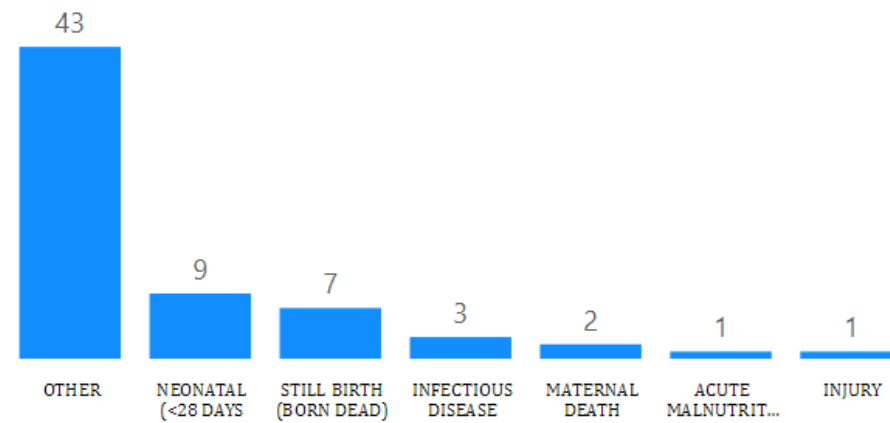
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W36 2023



Ministry of Health and Family
Welfare Bangladesh



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Sources of data

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

Highlights W36 2023

Table 1 | Coverage

#	%	
952,309	-	Estimated total Rohingya population ¹
923,358	0%	Total population under surveillance
148	-	Total number of health facilities
134	95%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

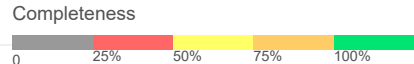
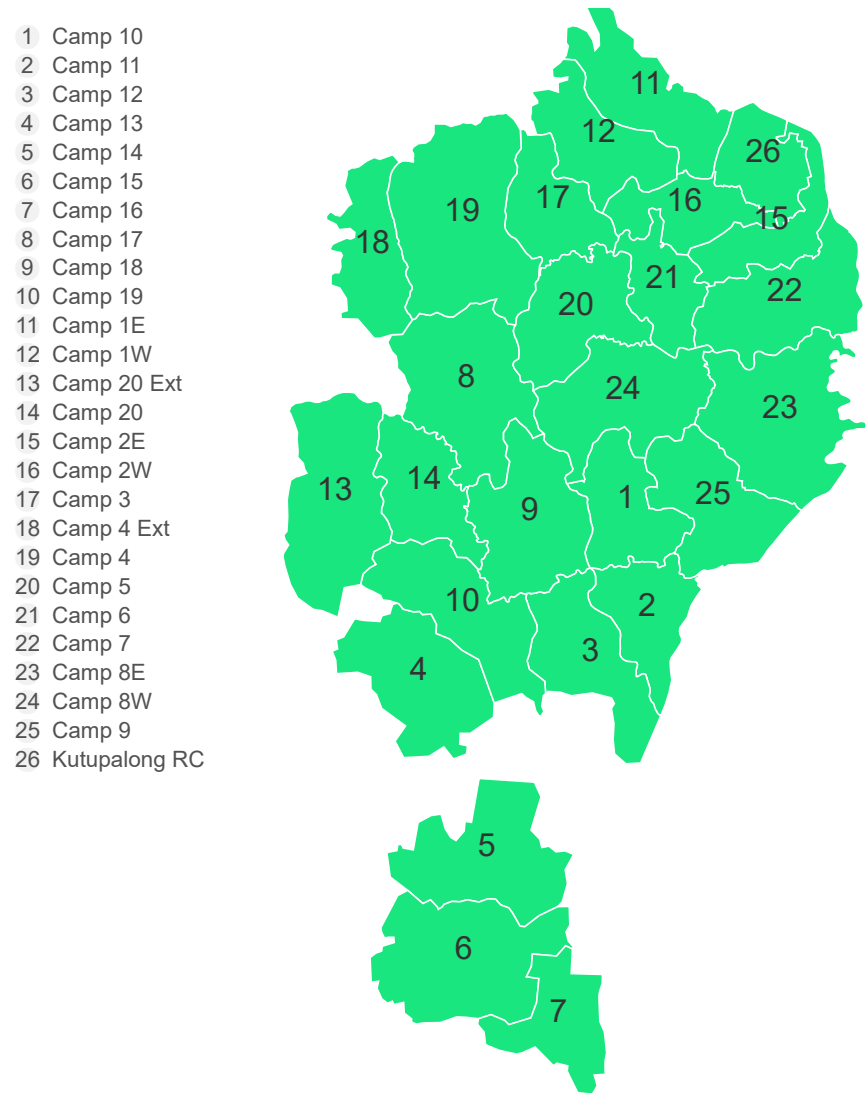
W36	Cumulative (2023)	
115	5155	Number of weekly reports received
86%	96%	Completeness
86%	87%	Timeliness

Table 3 Alert performance indicators

W36	Cumulative (2023)	
62	2,631	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 2022.

Map 1a | Ukhia completeness by camp



Map 1b | Teknaf completeness by camp

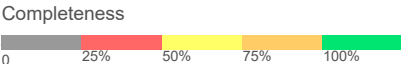
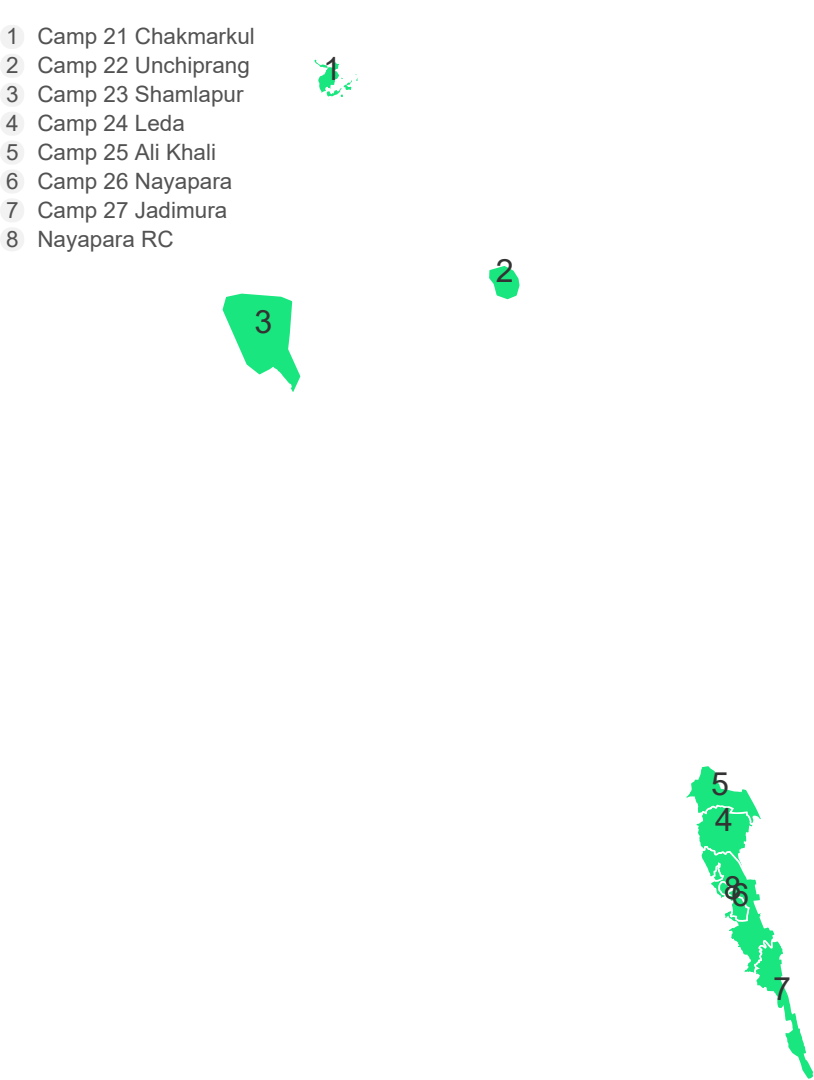


Table 4 | Performance by camp (W36 2023)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	4	100%	88%
Camp 1W	4	4	100%	100%
Camp 2E	3	3	100%	100%
Camp 2W	4	3	75%	75%
Camp 3	3	3	100%	100%
Camp 4	5	5	100%	100%
Camp 4 Ext	1	1	100%	100%
Camp 5	4	3	100%	75%
Camp 6	2	2	100%	100%
Camp 7	4	3	75%	63%
Camp 8E	9	7	88%	81%
Camp 8W	3	3	100%	100%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp

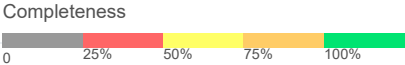
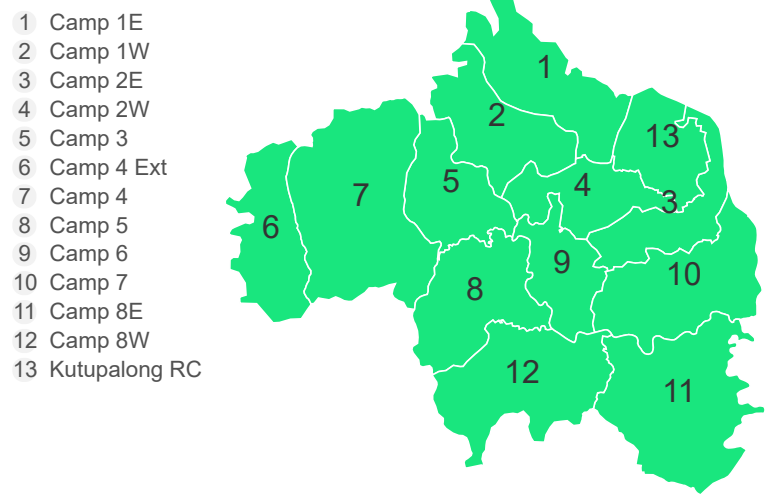


Table 5 | Performance by camp (W36 2023)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	4	75%	88%
Camp 11	3	3	100%	83%
Camp 12	5	2	60%	50%
Camp 13	7	6	86%	79%
Camp 14	6	4	67%	58%
Camp 15	8	6	75%	69%
Camp 16	7	4	57%	50%
Camp 17	3	2	67%	50%
Camp 18	4	3	75%	63%
Camp 19	3	3	100%	100%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	2	100%	100%
Camp 9	5	2	80%	40%

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

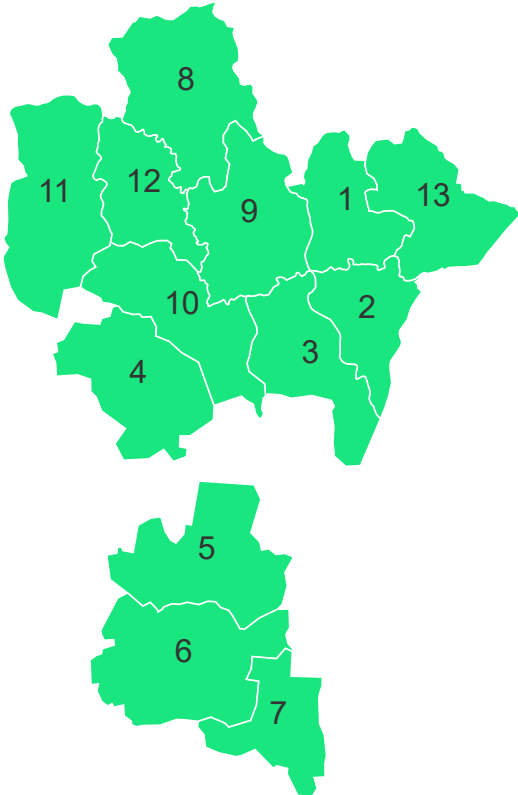


Table 6 | Performance by camp (W36 2023)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	3	3	100%	100%
Camp 22 Unchiprang	4	3	75%	63%
Camp 23 Shamlapur	2	1	100%	75%
Camp 24 Leda	2	2	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 (W36 2023)

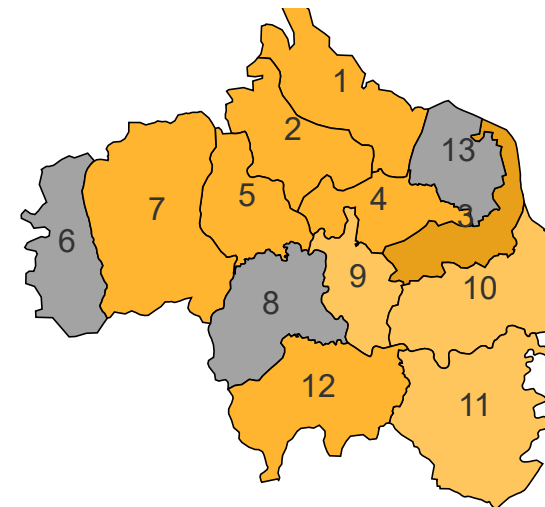
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	2	1	50%	50%	IRC	6	3	100%	100%
AWARD	12	0	0%	0%	MSF	16	7	88%	88%
BASHMAH	2	0	0%	0%	MoH	22	8	73%	73%
BDRCS	18	9	50%	50%	MHI	2	0	100%	100%
BRAC	10	10	53%	50%	Medair	0	0		
CARE	8	0	0%	0%	FH/MTI	8	4	75%	75%
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	2	50%	50%
GK	20	10	100%	100%	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	18	100%	100%					

Table 8 | Performance by camp

Northern group	W36		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	4	0%	95	86%
Camp 1W	3	0%	126	94%
Camp 2E	8	0%	317	87%
Camp 2W	3	0%	142	94%
Camp 3	4	0%	126	92%
Camp 4	3	0%	117	91%
Camp 4 Ext	0	0%	27	81%
Camp 5	0	0%	67	90%
Camp 6	2	0%	53	92%
Camp 7	2	0%	56	80%
Camp 8E	1	0%	73	95%
Camp 8W	3	0%	131	94%
Kutupalong RC	0	0%	43	93%

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	W36		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	1	0%	57	79%
Camp 11	0	0%	45	98%
Camp 12	2	0%	62	87%
Camp 13	0	0%	81	99%
Camp 14	0	0%	83	92%
Camp 15	4	0%	103	85%
Camp 16	1	0%	74	92%
Camp 17	0	0%	39	95%
Camp 18	3	0%	120	91%
Camp 19	0	0%	13	100%
Camp 20	1	0%	52	92%
Camp 20 Ext	0	0%	16	100%
Camp 9	4	0%	82	85%

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

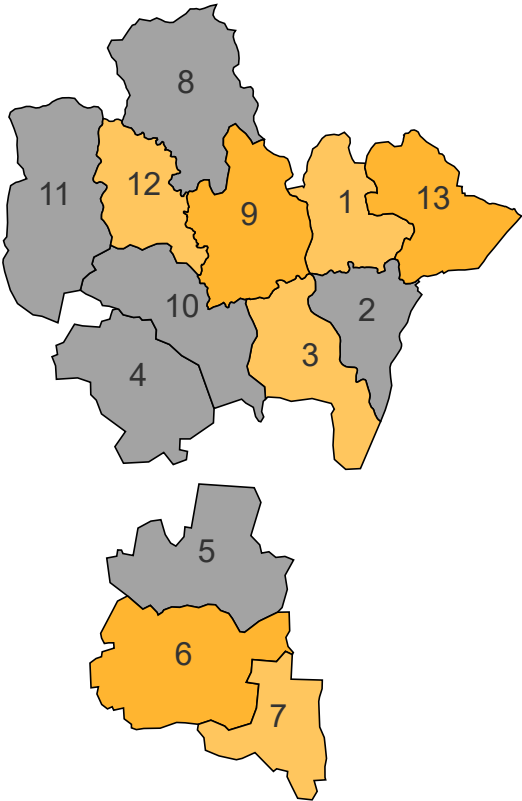


Table 10 | Performance by camp

Teknaf	W36		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	1	0%	77	81%
Camp 22 Unchiprang	0	0%	63	97%
Camp 23 Shamlapur	0	0%	4	100%
Camp 24 Leda	5	0%	174	84%
Camp 25 Ali Khali	0	0%	12	100%
Camp 26 Nayapara	0	0%	22	95%
Camp 27 Jadimura	1	0%	9	89%
Nayapara RC	5	0%	46	83%

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

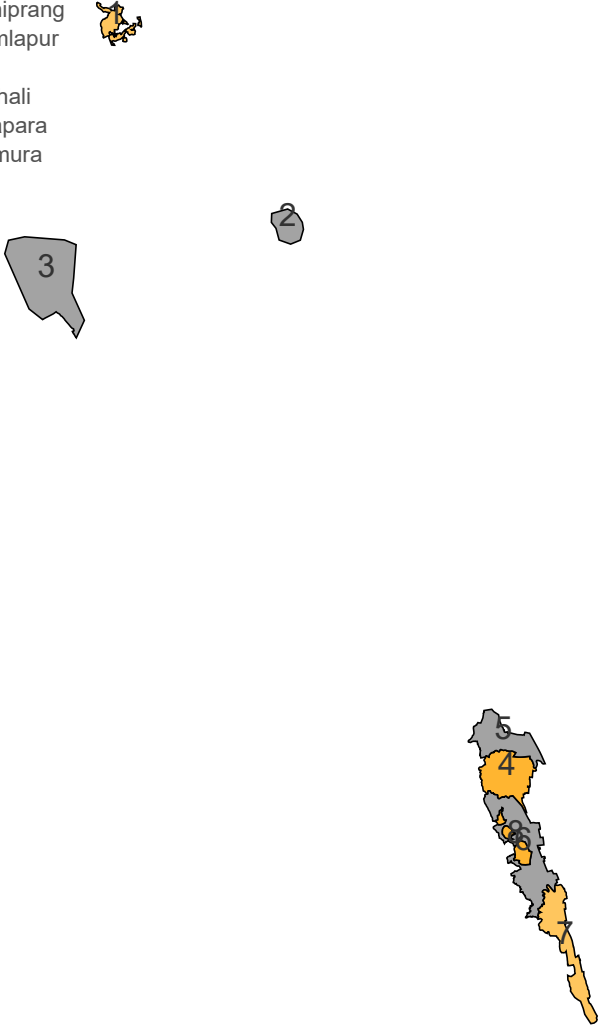


Table 11 | Performance by type of alert

Event	W36		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	0	0%	69	96%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	10	100%
Meningitis	0	0%	13	100%
Haem. fever (susp.)	0	0%	10	100%
NNT	0	0%	1	100%
Unexp. fever	0	0%	34	97%
AWD	0	0%	36	94%
ARI	0	0%	28	96%
AJS	0	0%	21	100%
Varicella (Susp.)	0	0%	93	99%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	2	0%	189	90%

Table 12 | Risk assessment

W36	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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Global
EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Annex W36 2023



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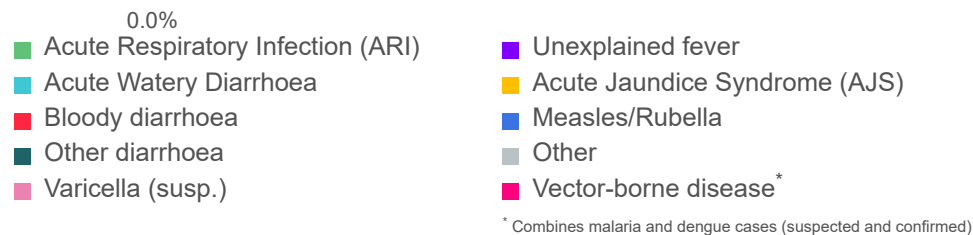
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Proportional morbidity

Figure 1 | Proportional morbidity (W36 2023)



Disease	W36		2023	
	# cases	% morbidity	# cases	% morbidity
AWD	667	3.3%	89,008	2.6%
Bloody diarr.	37	0.2%	8,238	0.2%
Other diarr.	166	0.8%	41,442	1.2%
Susp. Varicella	7	0.0%	29,192	0.9%
ARI	4,735	23.2%	648,084	18.9%
Measles/Rub.	1	0.0%	558	0.0%
AFP	0	0.0%	146	0.0%
Susp. menin.	0	0.0%	163	0.0%
AJS	0	0.0%	572	0.0%
Susp. HF	0	0.0%	365	0.0%
Neo. tetanus	0	0.0%	5	0.0%
Adult tetanus	0	0.0%	8	0.0%
Malaria (conf.)	0	0.0%	243	0.0%
Malaria (susp.)	0	0.0%	2,858	0.1%
Dengue (conf.)	197	1.0%	14,517	0.4%
Dengue (susp.)	103	0.5%	5,925	0.2%
Unexpl. fever	287	1.4%	32,241	0.9%
Sev. Malnut.	13	0.1%	2,290	0.1%
Inj./Wounds	463	2.3%	89,661	2.6%
Other	13,695	67.2%	2,464,888	71.8%
Total	20,095	100%	3,434,319	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W36)

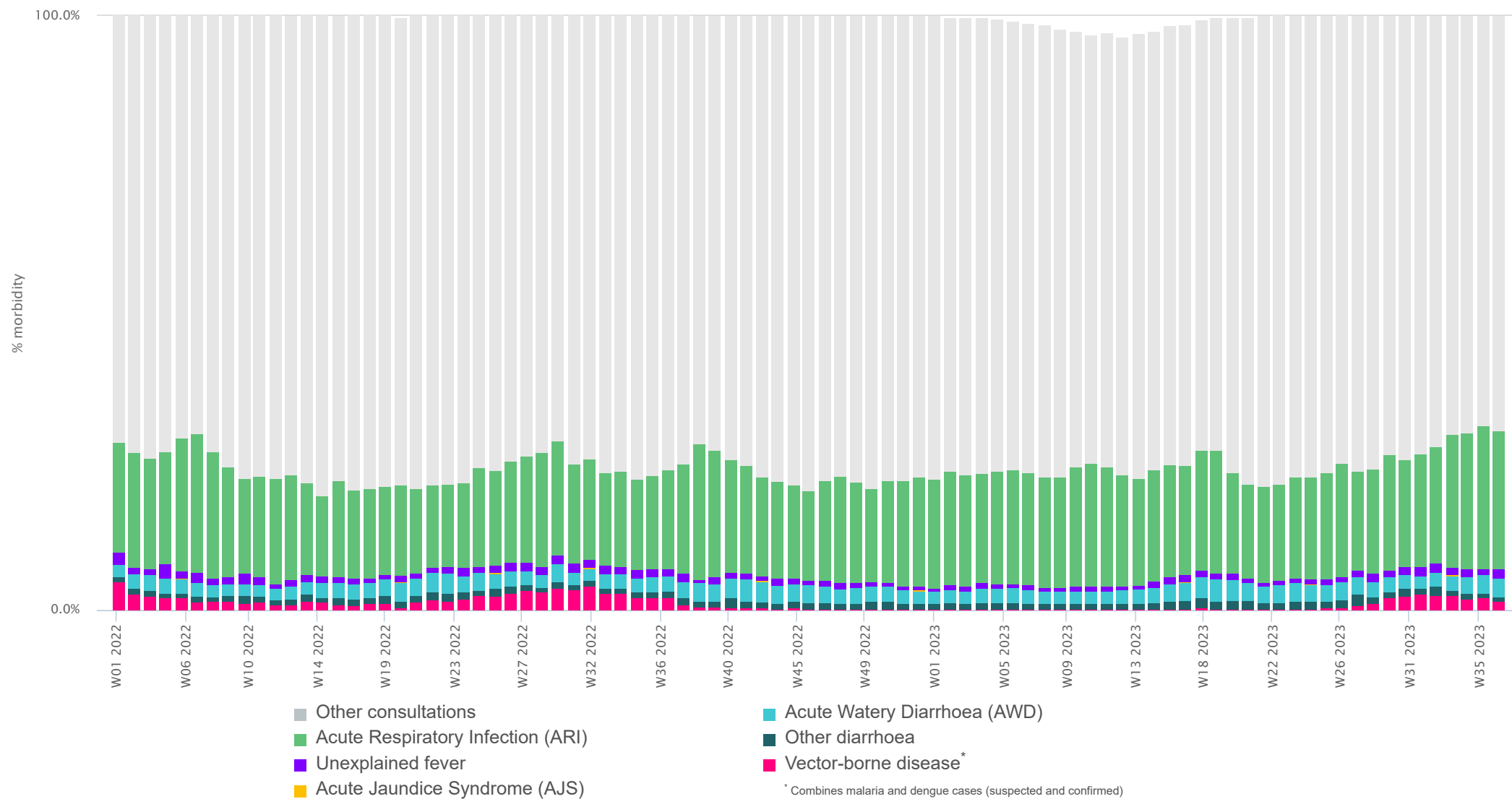
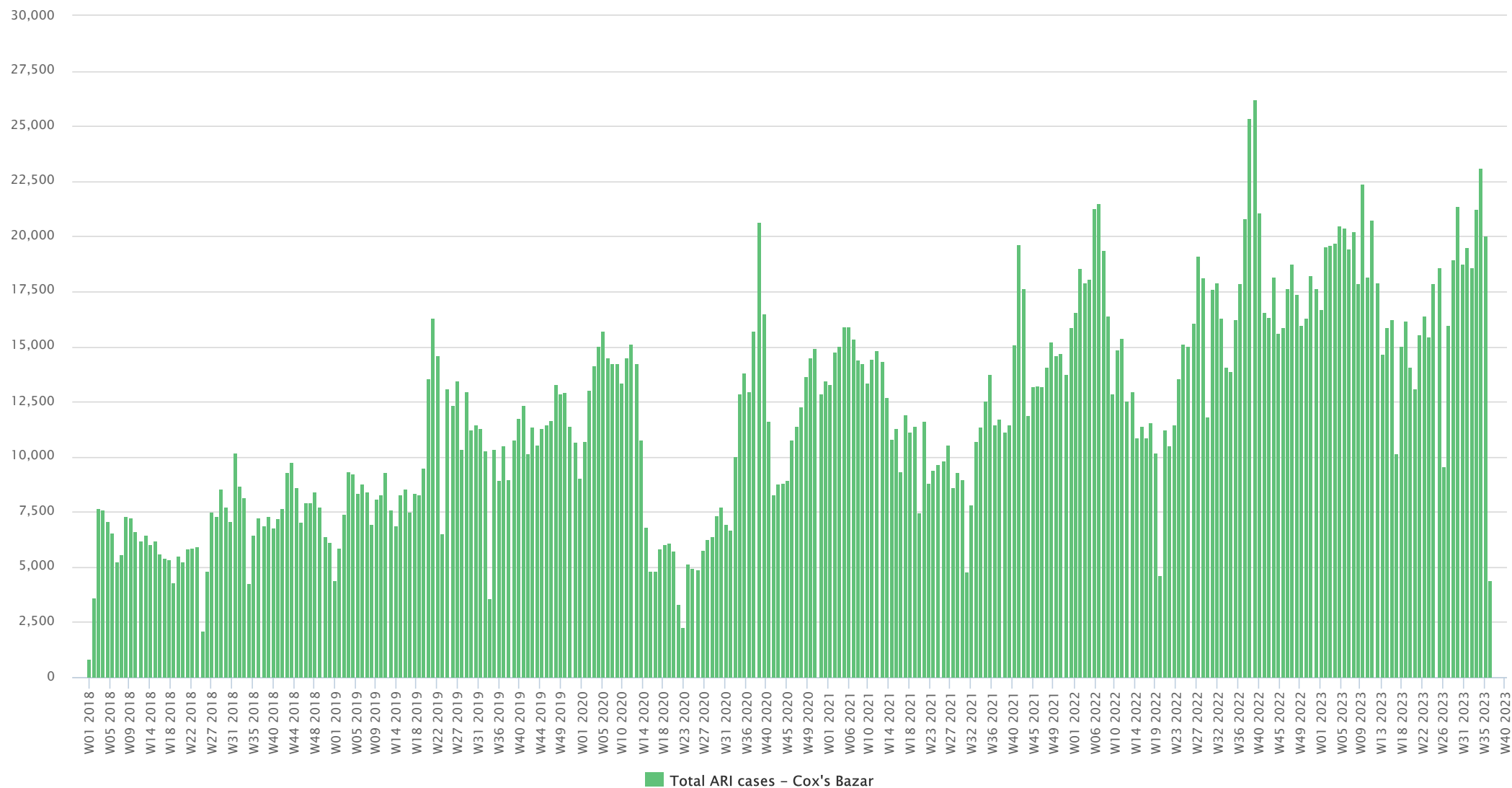
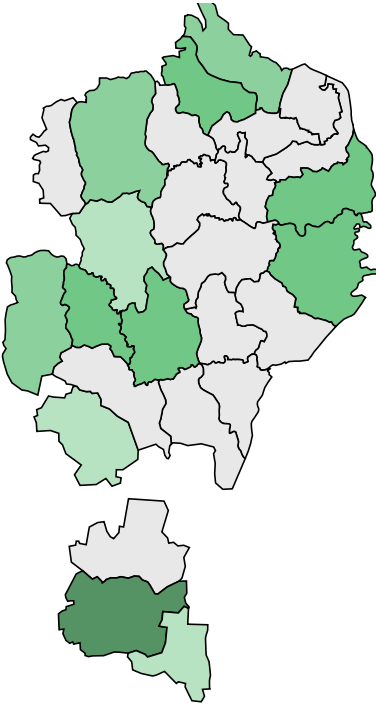


Figure 3 | Trend in number of cases over time (W38 2017 - W36 2023)



Map 1 | Map of cases by camp (W36 2023)

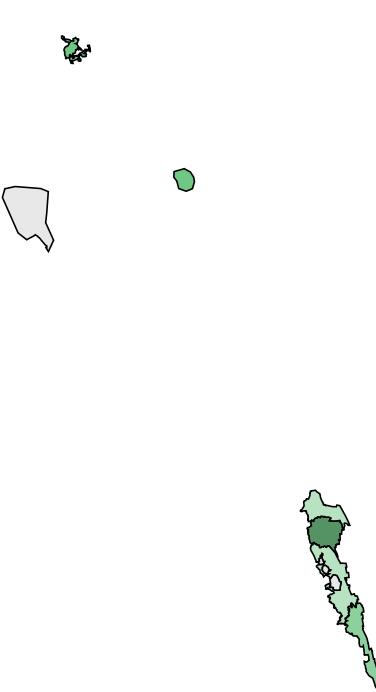
a. Ukhia | Number of cases



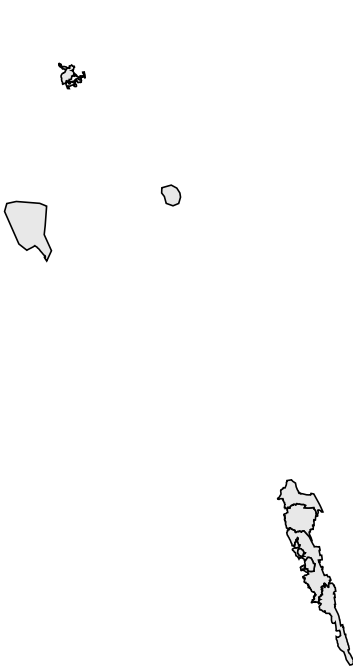
b. Ukhia | Number of alerts



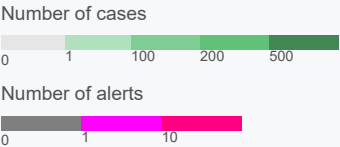
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W36 2023)

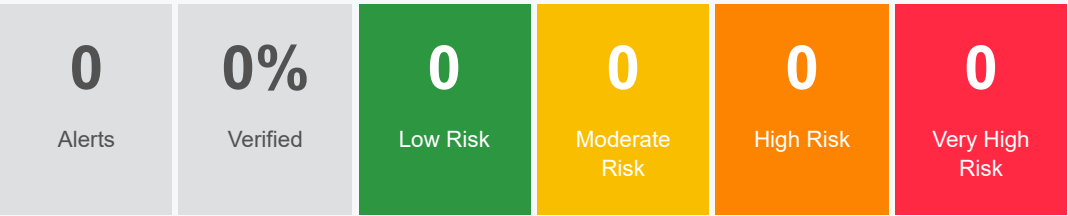


Figure | % sex

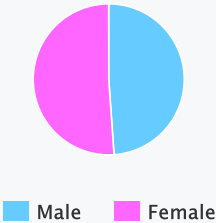


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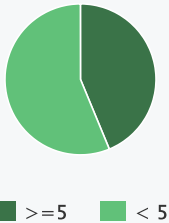
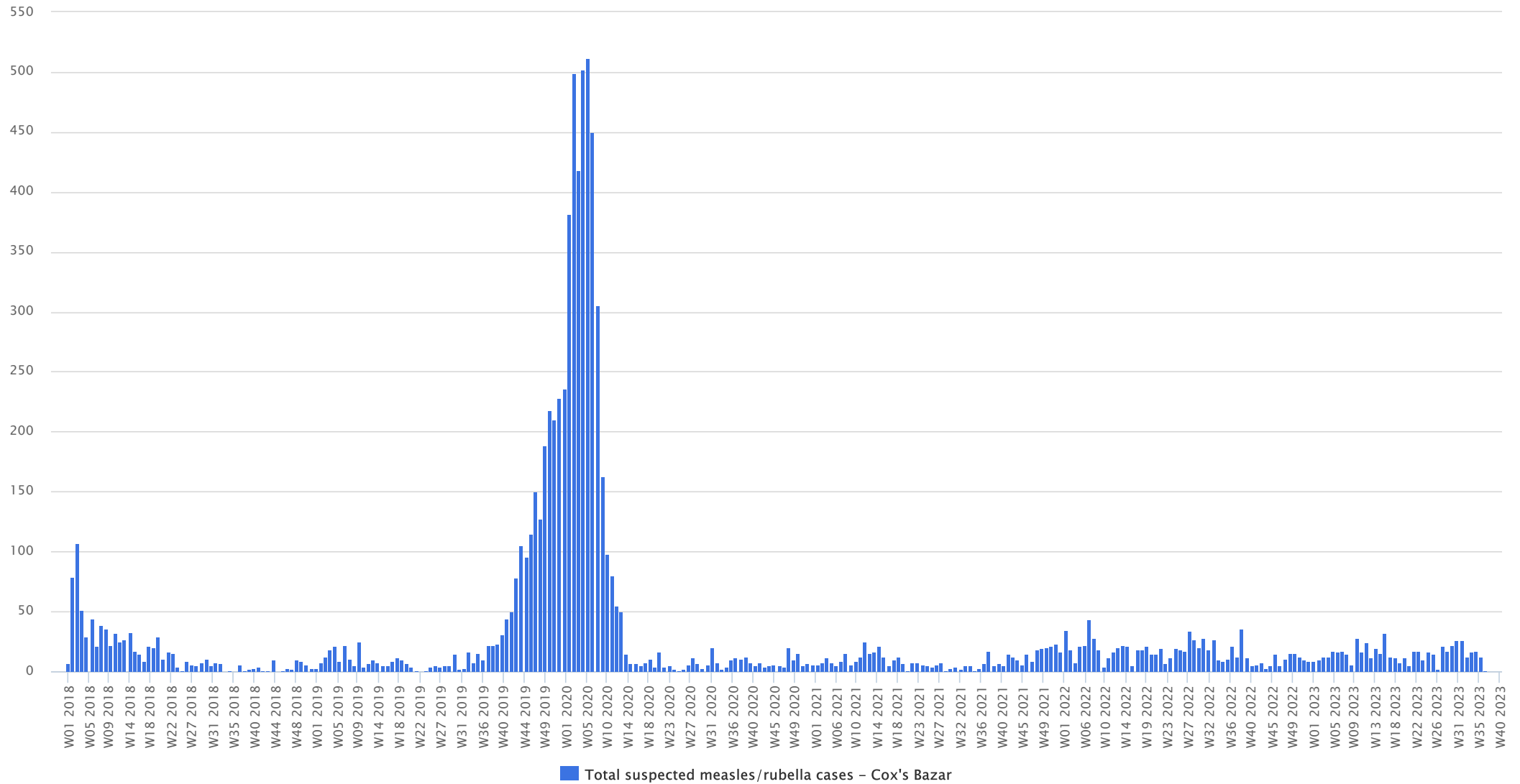


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W36 2023)



Map 2 | Map of cases by camp (W36 2023)

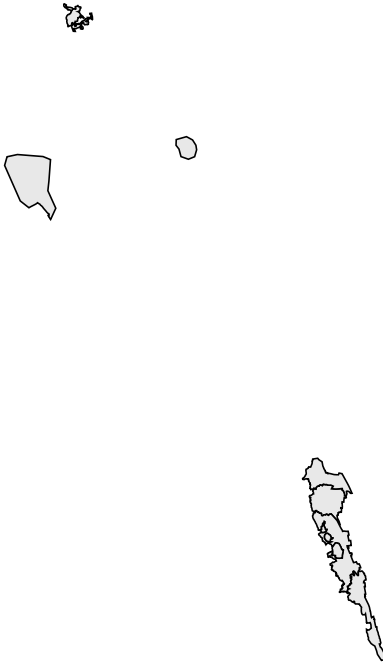
a. Ukhia | Number of cases



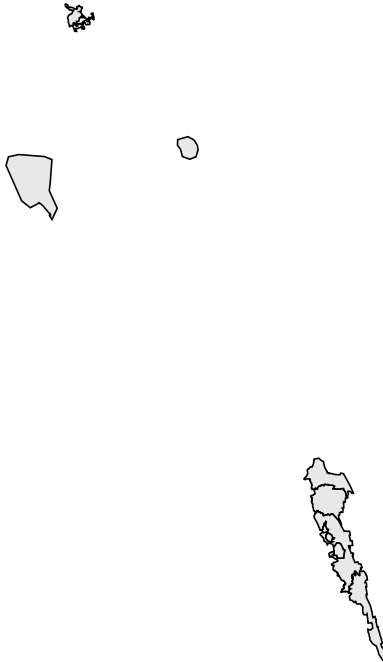
b. Ukhia | Number of alerts



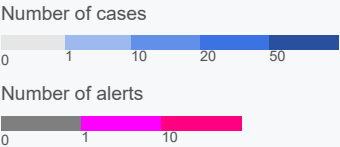
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W36 2023)

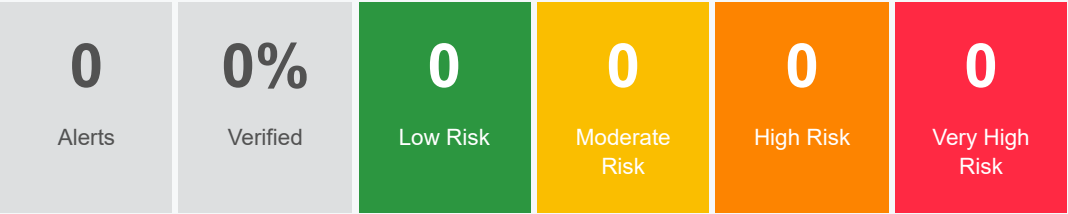


Figure | % sex



Figure | % age

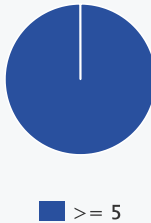
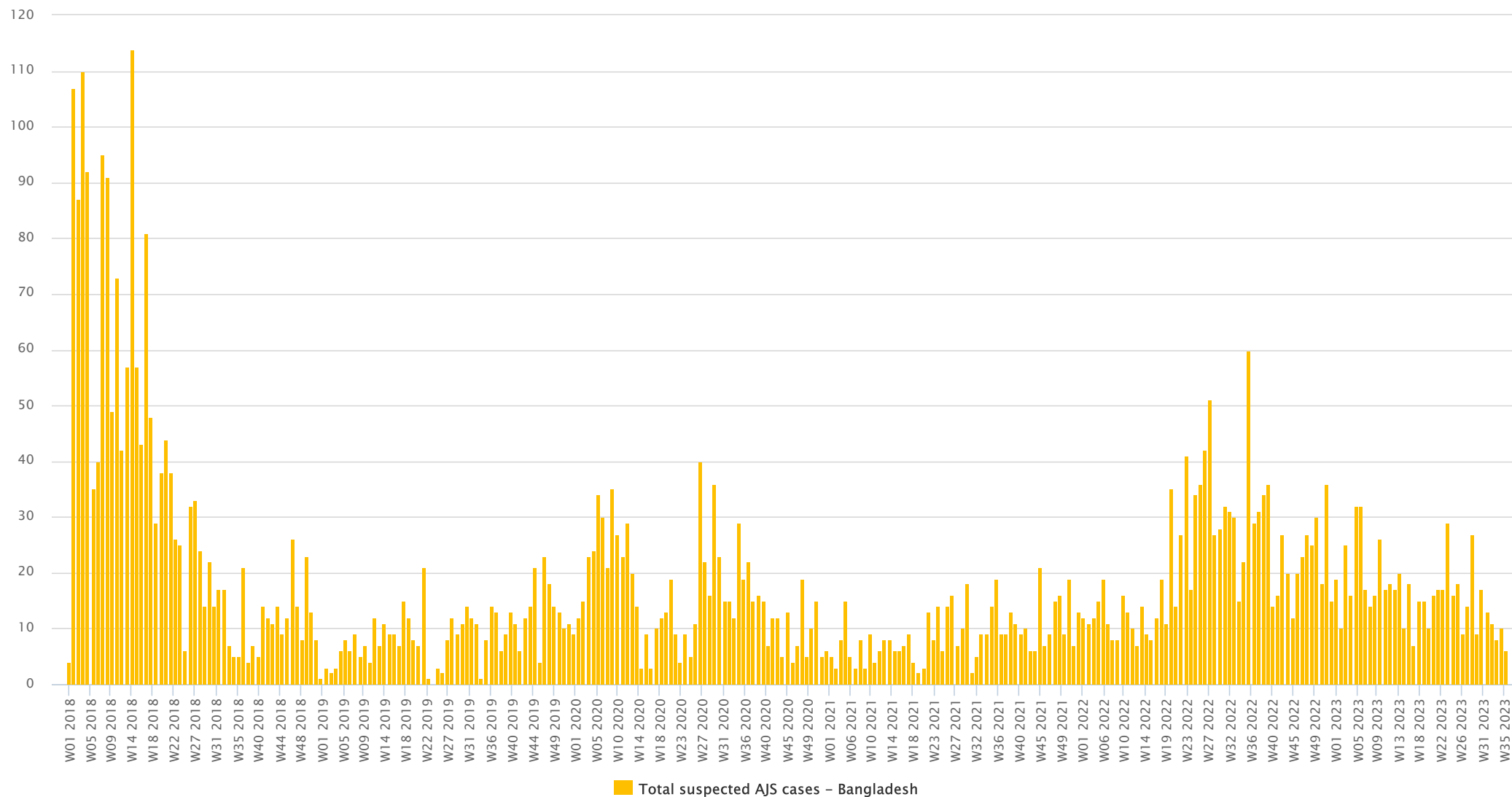


Figure 5 | Trend in number of cases over time (W38 2017 - W36 2023)



Map 3 | Map of cases by camp (W37 2017 - W36 2023)

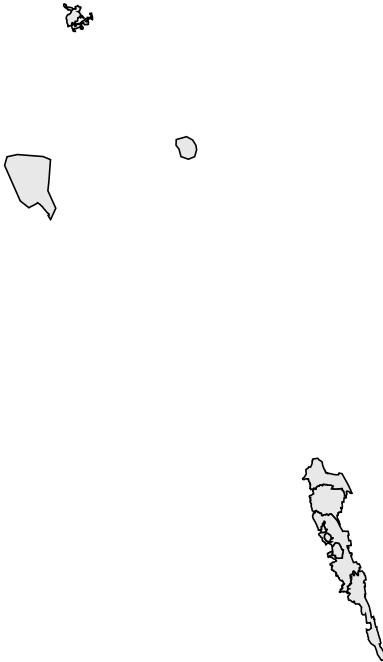
a. Ukhia | Number of cases



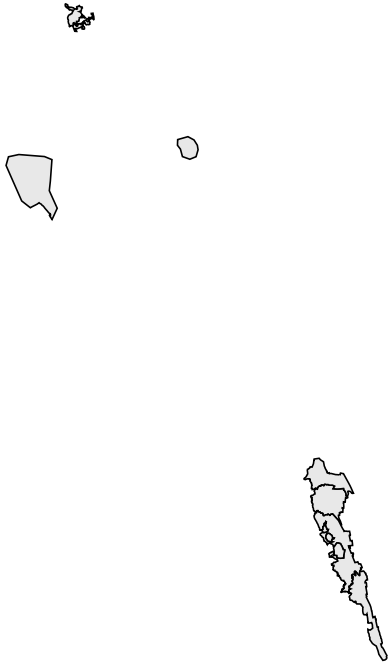
b. Ukhia | Number of alerts



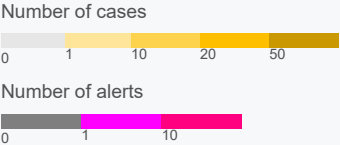
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W36 2023)

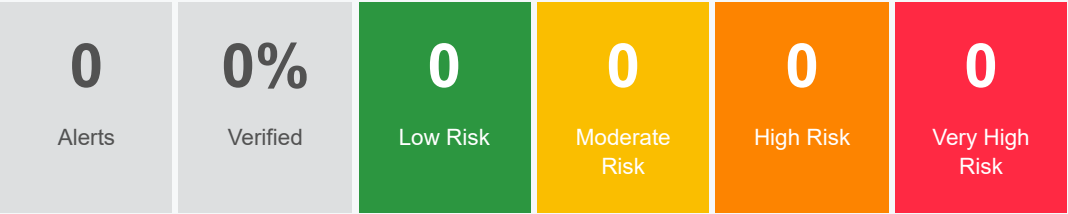


Figure | % sex

No data in chart

Figure | % age

No data in chart

Figure 6 | Trend in number of cases over time (W38 2017 - W36 2023)

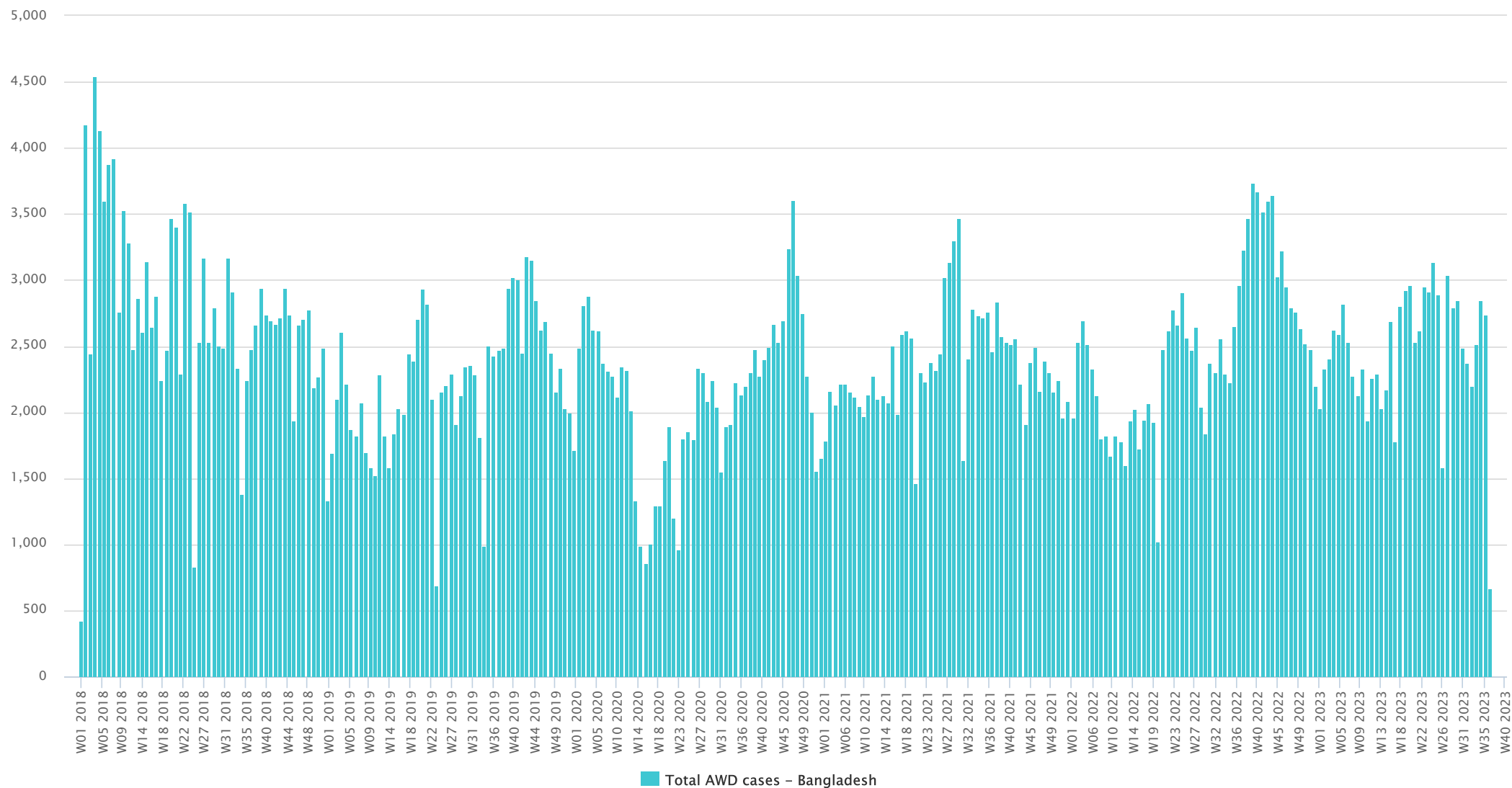
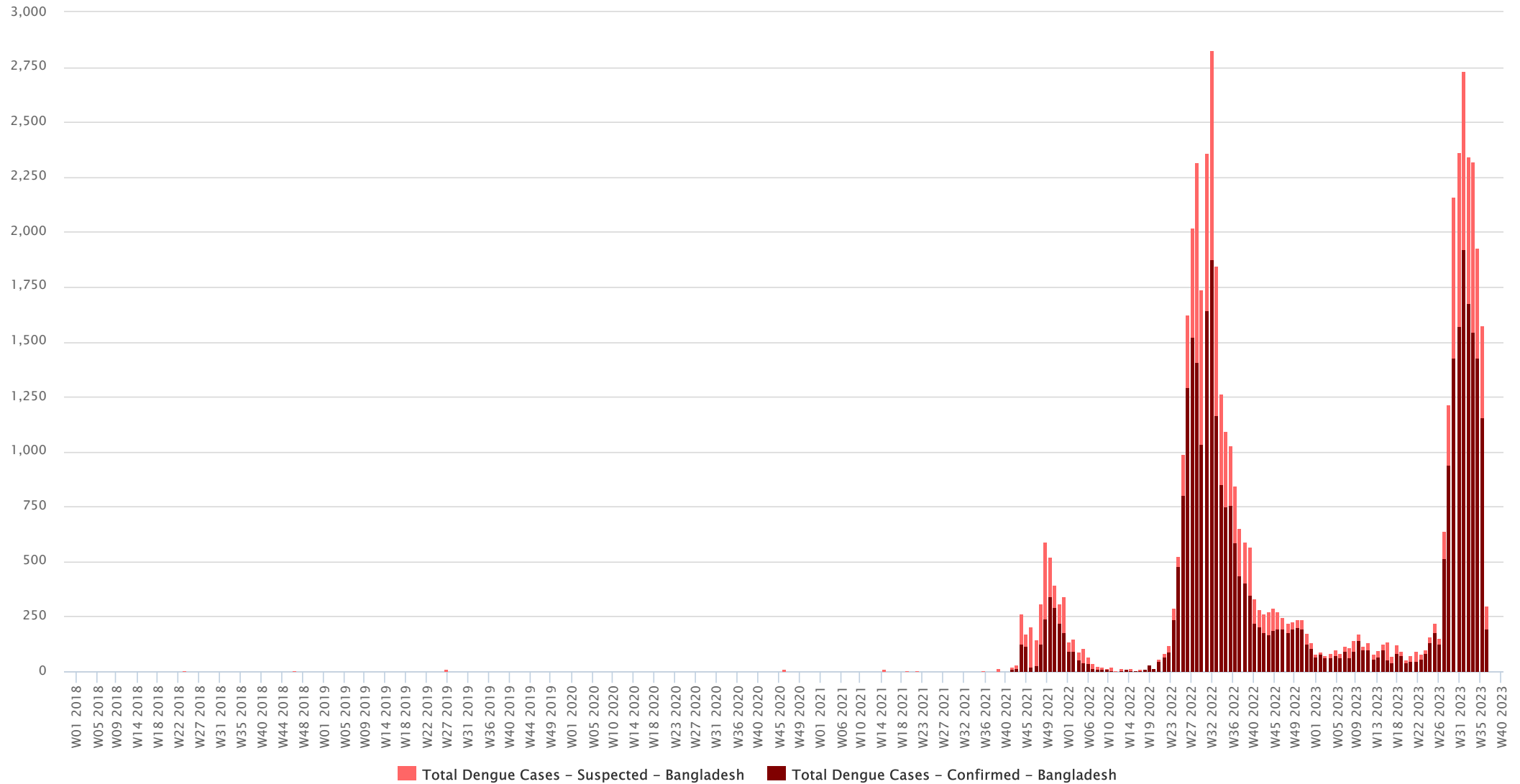
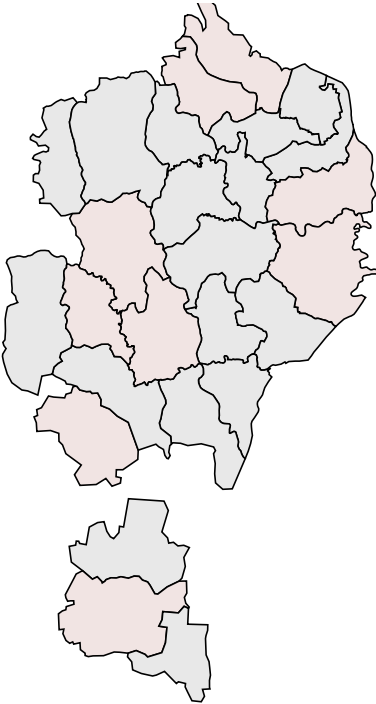


Figure 7 | Trend in number of cases over time (W38 2017 - W36 2023)



Map 4 | Map of cases by camp (W37 2017 - W36 2023)

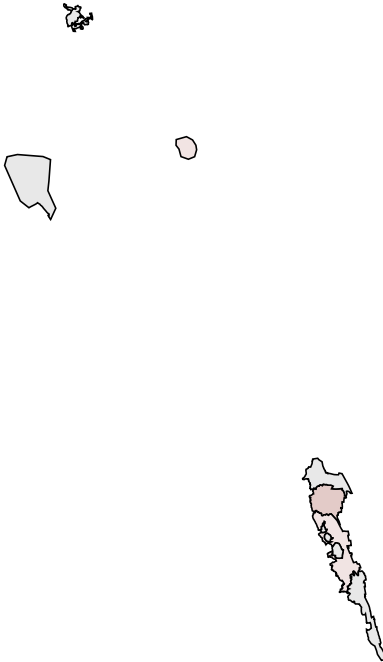
a. Ukhia | Number of cases



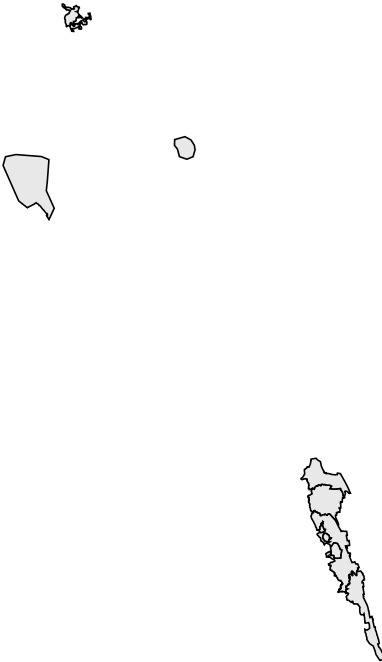
b. Ukhia | Number of alerts



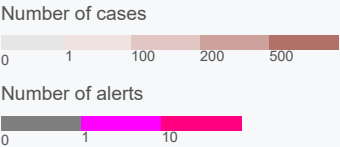
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W36 2023)

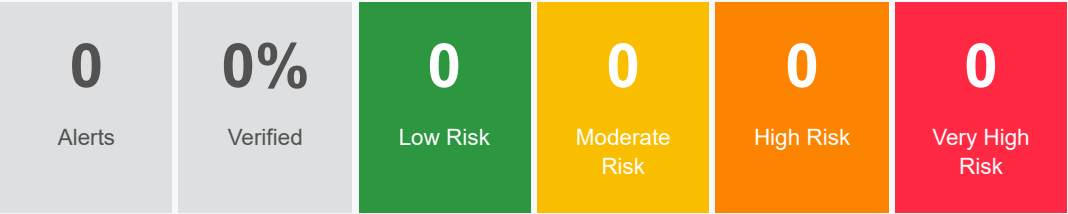


Figure | % sex

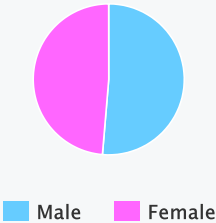


Figure | % age

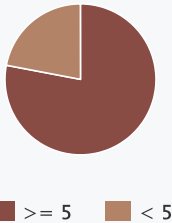
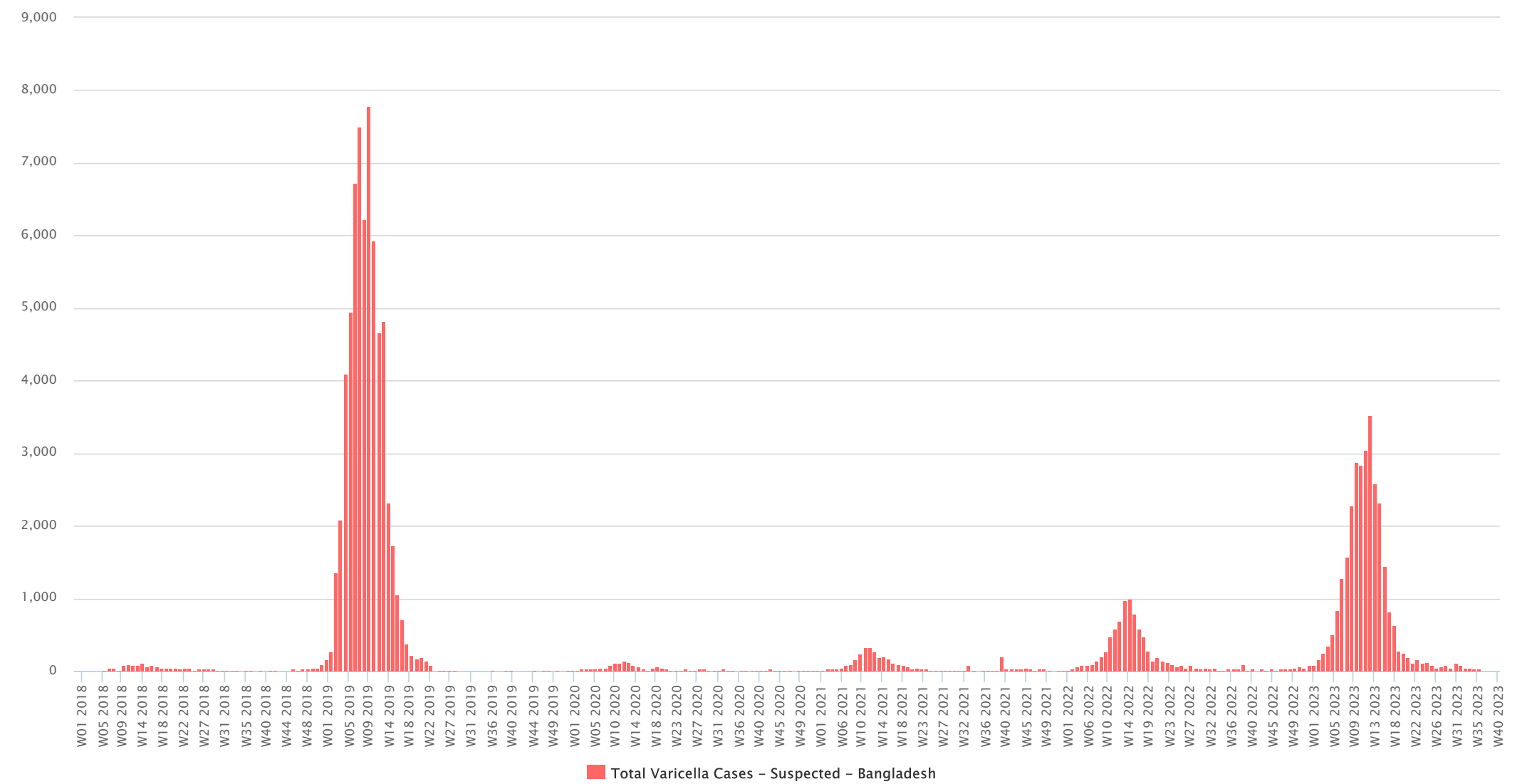
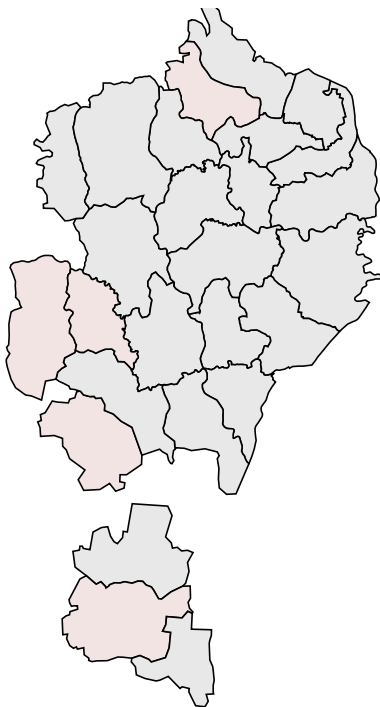


Figure 7 | Trend in number of cases over time (W38 2017 - W36 2023)

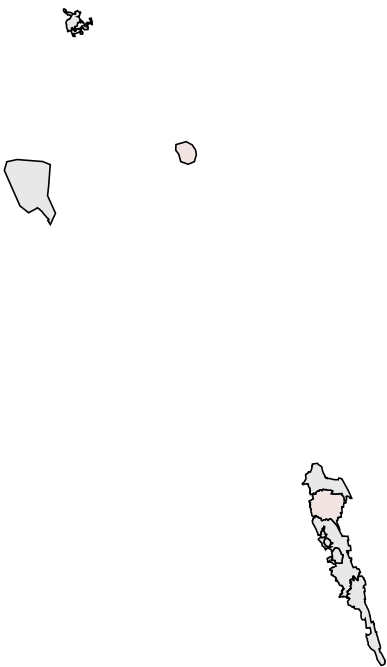


Map 4 | Map of cases by camp (W37 2017 - W36 2023)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

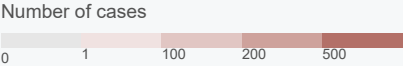


Figure | % sex

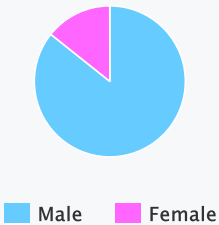
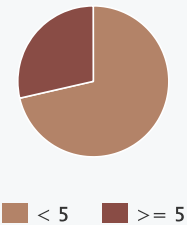


Figure | % age



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Notes

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

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

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

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