

Epidemiological Highlights

Week 33 (13-19 August) 2023

Currently, a total of **140 health facilities** are registered in EWARS

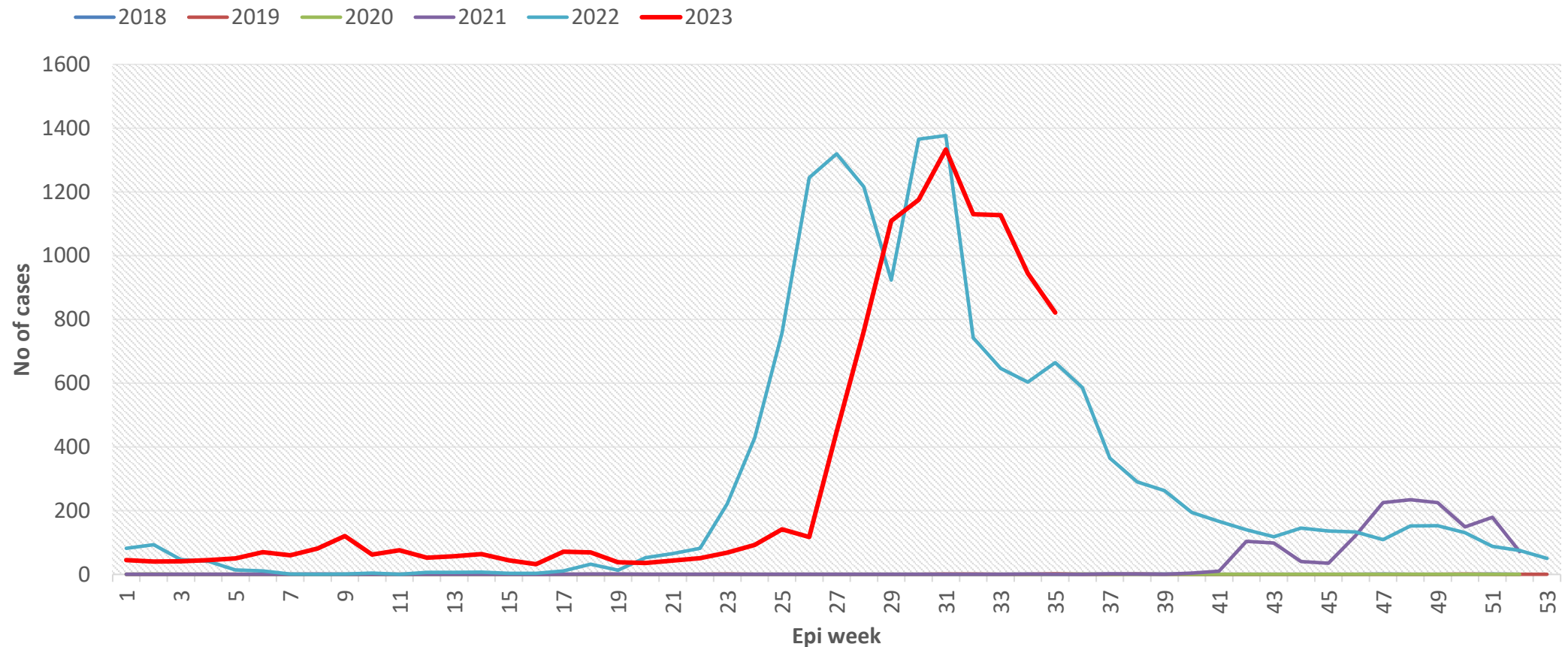
- Of those 128 weekly reports were received on time this week
- Timeliness and completeness of weekly reporting were 84% which is more than the global and national weekly threshold
- Sixty-two (62) alerts were triggered
- All alerts were reviewed and verified by the WHO EWARS team; this is an 24% drop from the previous week (82 alerts in week 32, 2023)

Weekly Proportionate Morbidity and SARI Mortality among the FDMN population from 2020-Epi 1-33, 2023

- Acute Respiratory Infections (22.3%), Acute Watery Diarrhoea (2.6%), and Injury and wounds (2.5%) 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, 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:

Year	Suspected SARI death reported (current week)	Reclassified as death due to probable COVID-19
2023	29 (1)	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 33, 2023

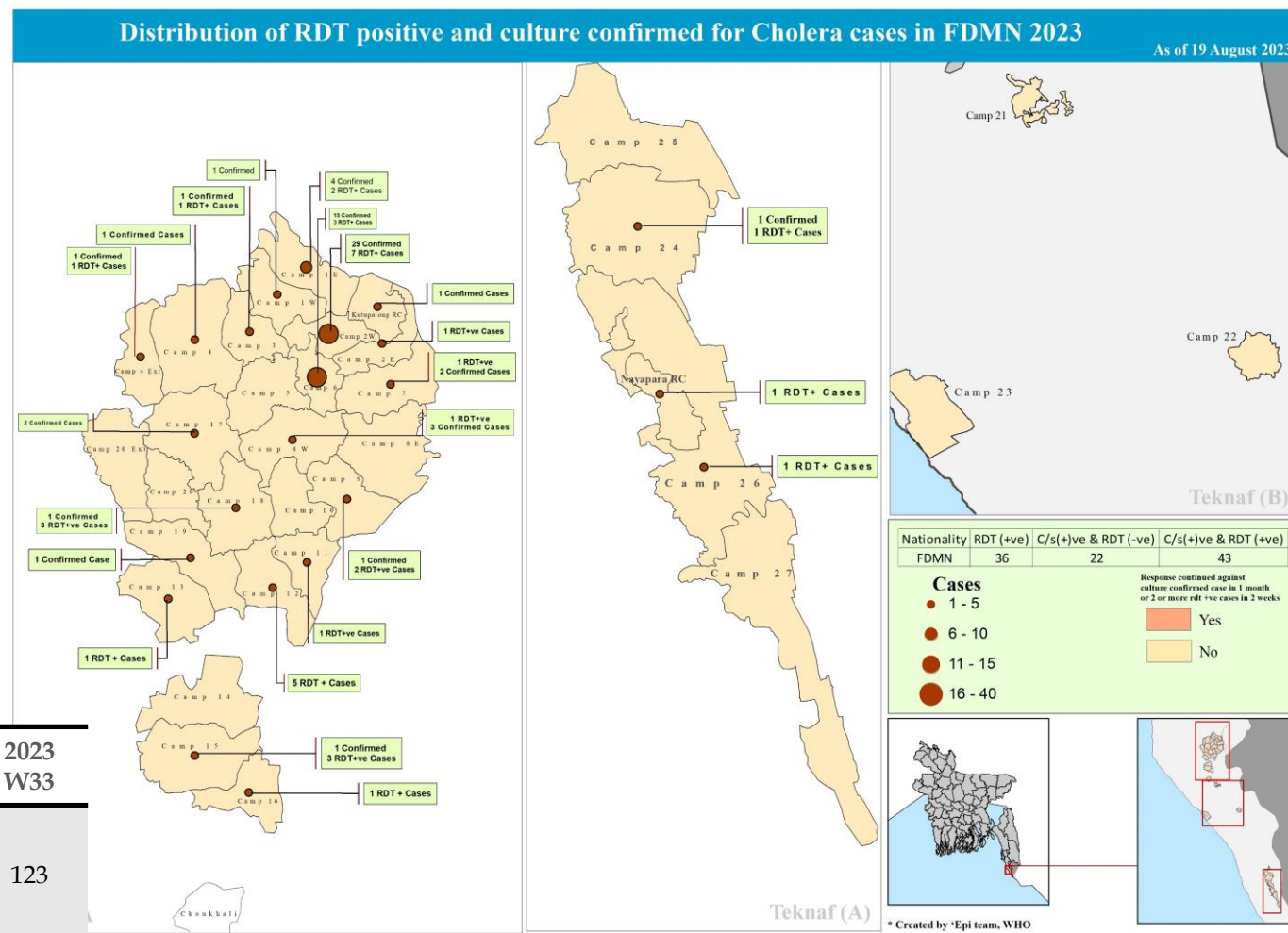


- ❑ Cumulative of 8,596 confirmed dengue cases including ten (13) deaths (CFR 0.1%) have so far been reported in 2023
- ❑ The current transmission is a continuation of that for 2021 and 2022 (possible endemic transmission established)
- ❑ Camp 3 and the surrounding camps continue to bear the greatest burden of the cases so far reported in 2023 similar to 2022

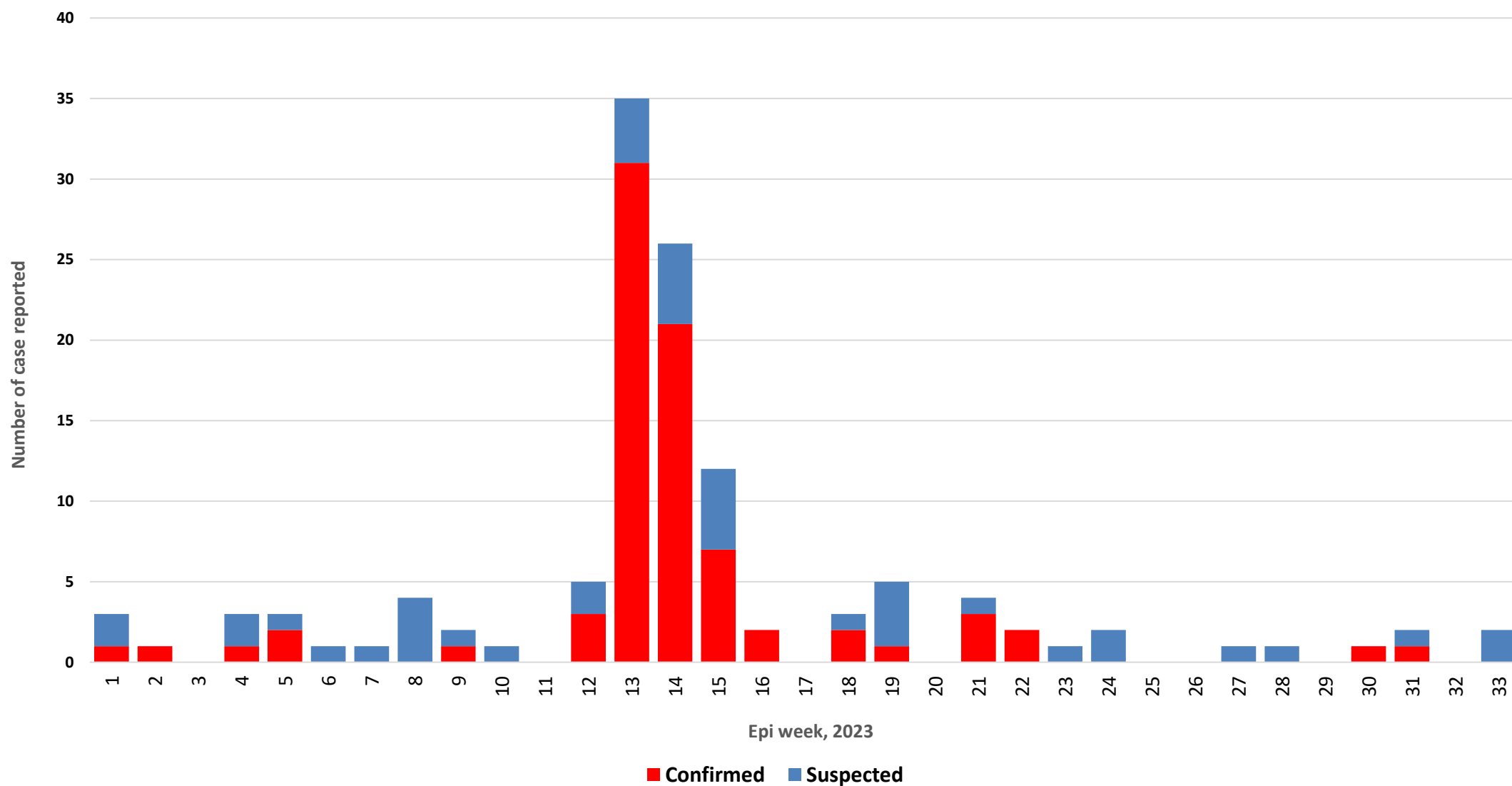
Cholera/AWD Surveillance Updates

- In this week, no new confirmed and 2 suspected cholera case was reported
- A total of 123 cases of which 41 RDT-positive AWD/cholera suspected cases and 80 culture-confirmed Cholera cases have so far been reported in (Epi week 1-33) 2023.
- Cumulatively there are 983 RDT AWD cases/Cholera suspects reported while 482 cases were culture-confirmed since transmission in 2018.

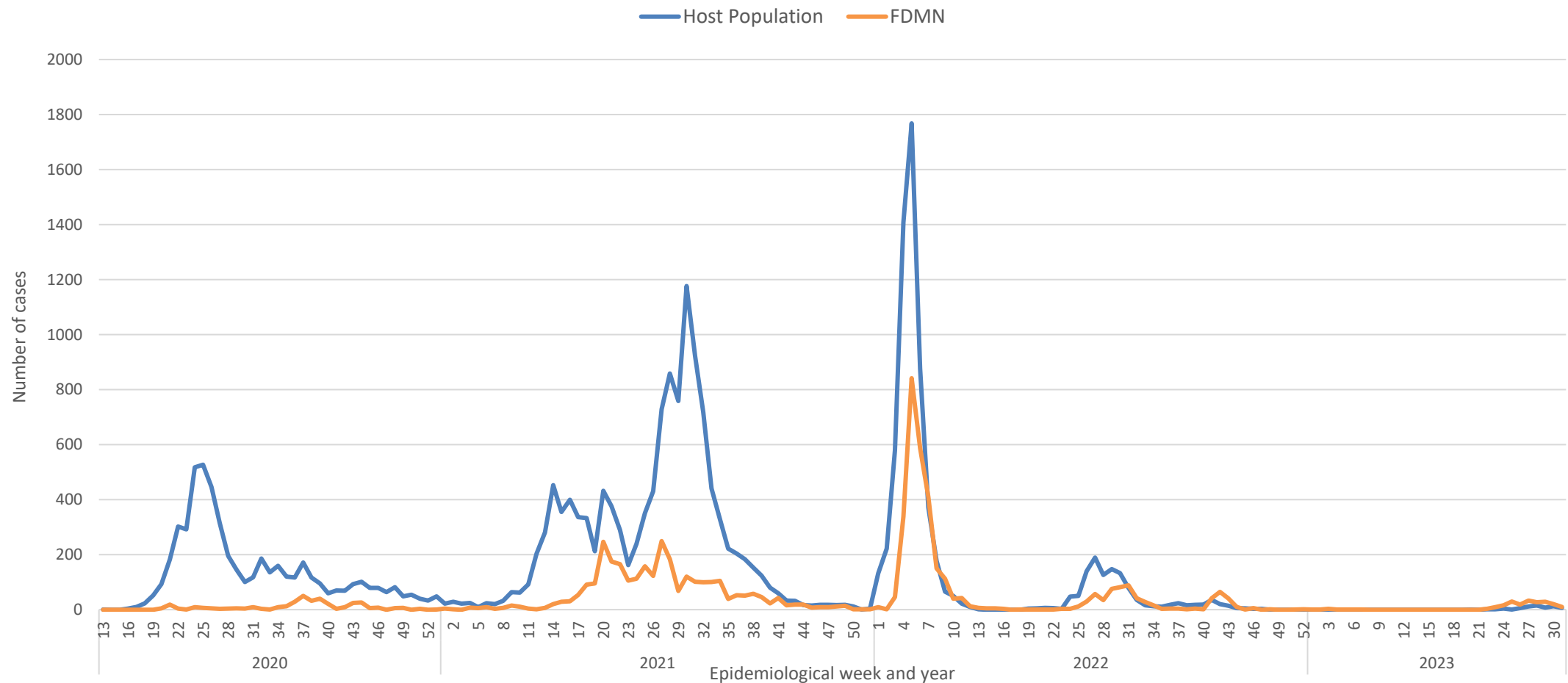
	2018	2019	2020	2021	2022	2023 W33
RDT positive AWD cases/Cholera suspects	49	258	28	357	170	123
Culture confirmed for Cholera	7	184	5	136	70	80



Weekly trends of suspected and confirmed cholera cases from Epi Week 1-33, 2023



Weekly Trends of COVID-19 Cases among FDMN and Host Population in Cox's Bazar District from Epi Week 13, 2020- Epi Week 33, 2023



FDMNs: Three (3) new confirmed cases were reported this week from FDMN Camps, weekly TPR is 1.9% and case incidence was 3.2 cases/1 million pop.

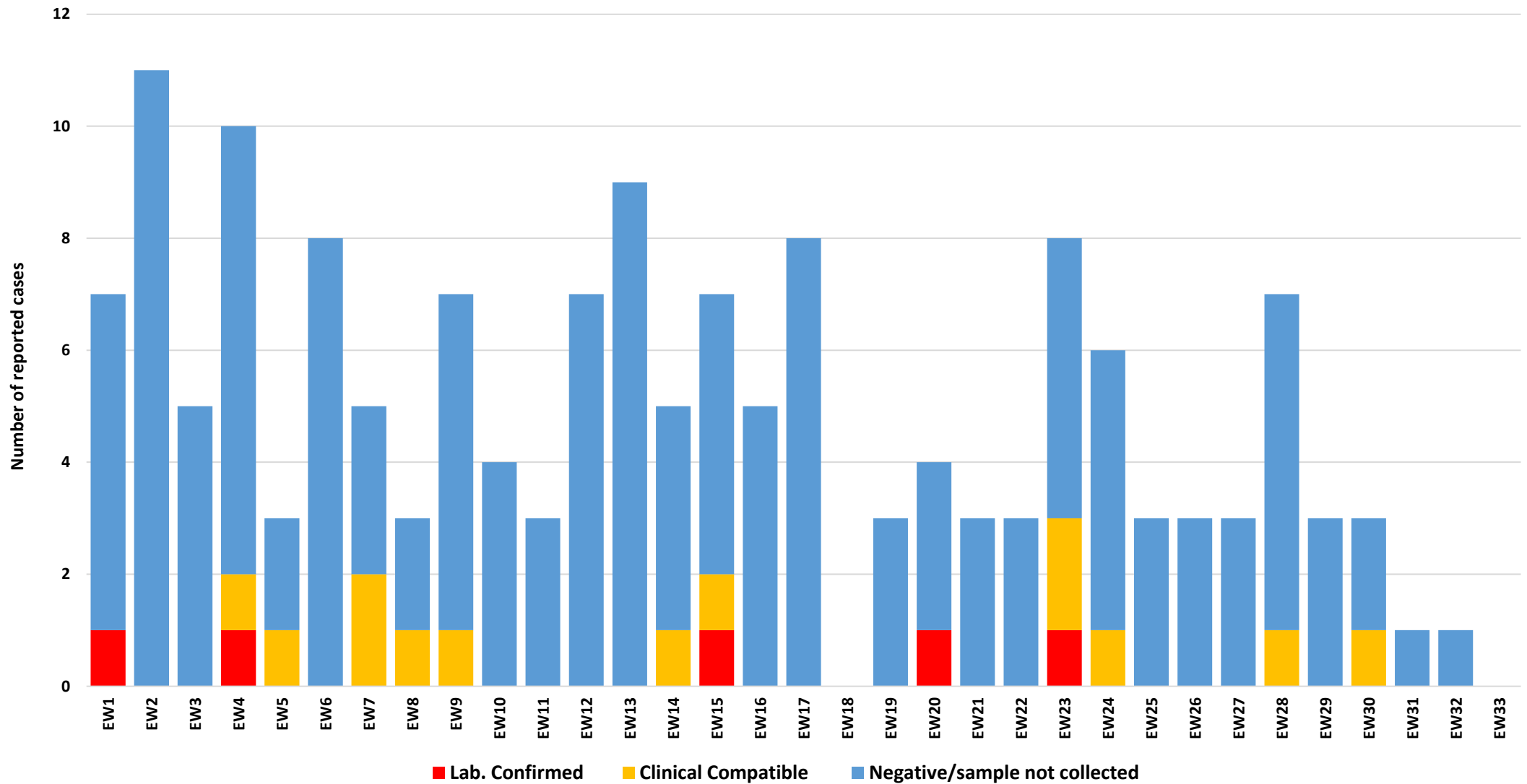
Host Population: Four (4) new confirmed cases were reported this week from the Host community, weekly TPR is 5.5% and case incidence was 1.4 cases/1m pop.

Weekly and annual Diphtheria Surveillance Updates from 2017- Epi week 33, 2023

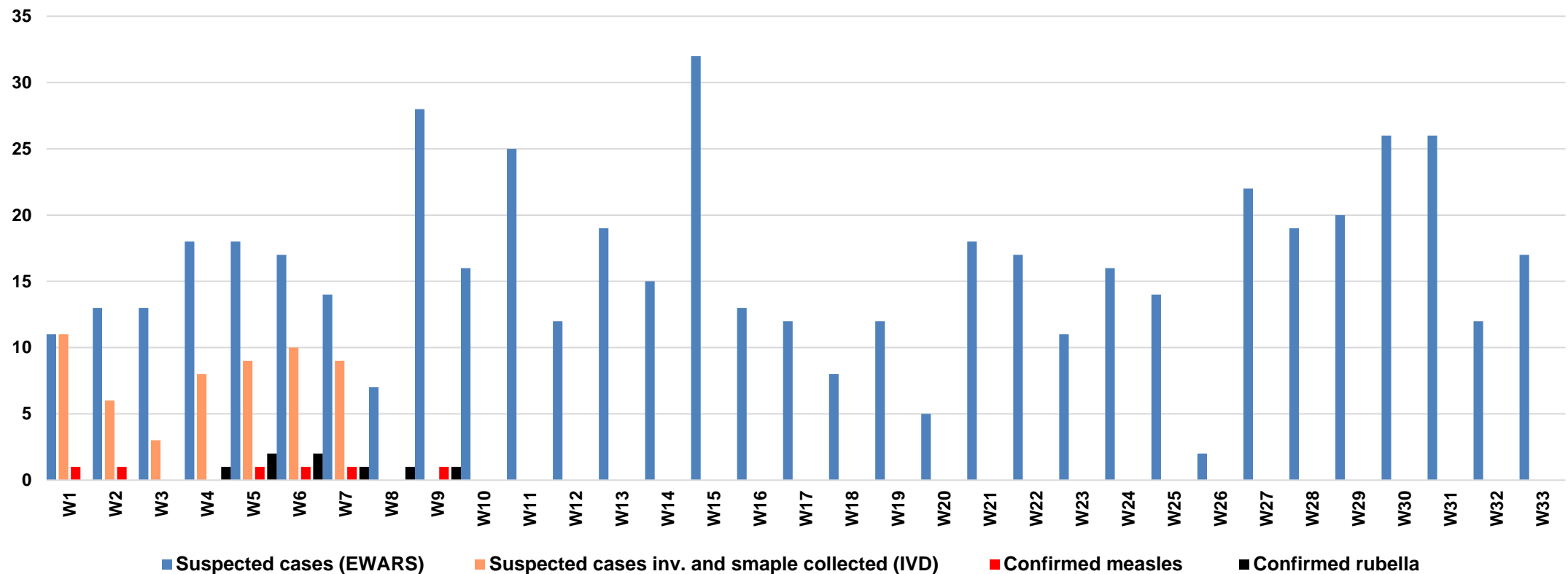
- No new suspected diphtheria cases were reported in go.data in this Epi week
- The last confirmed case was reported on 6 June 2023
- About 158 cases (5 confirmed, 13 probable and 140 suspected) of which there was one (1) death reported so far reported in 2023.
- In total 54 deaths have so far been reported since 2017, with the last death reported on 18 October 2022

Classification	2017	2018	2019	2020	2021	2022	2023
Lab. Confirmed	66	226	31	19	30	56	5
Clinical Compatible	1154	1555	60	9	29	3	13
Negative/sample not collected	1796	3549	523	198	118	349	140
Death	30	14	3	0	5	2	1

Weekly trends of Diphtheria cases from Epi weeks 1-33, 2023



Epi Curve of Weekly Suspected Measles Cases Week 1-33, 2023



- Seventeen (17) suspected measles cases were reported this Epi week
- A total of 511 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 33, 2023

Probable causes of death	Epi week 33	In 2023
Still Birth	8 (15%)	206 (12%)
Neonatal Death (<28 days old)	4 (7%)	178 (10%)
Infectious Disease	3 (6%)	50 (3%)
Severe Acute Respiratory Infection (SARI)	1 (2%)	22 (1%)
Injury	--	38 (2%)
Maternal Death	--	31 (2%)
Acute Malnutrition	--	2 (0%)
Other	38 (70%)	1191 (69%)
Total	54 (100%)	1664 (100%)

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 33, 2023

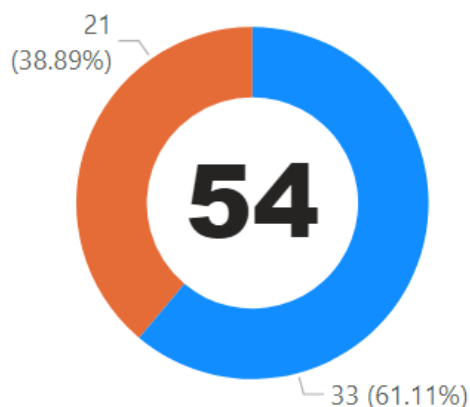
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33 ▾

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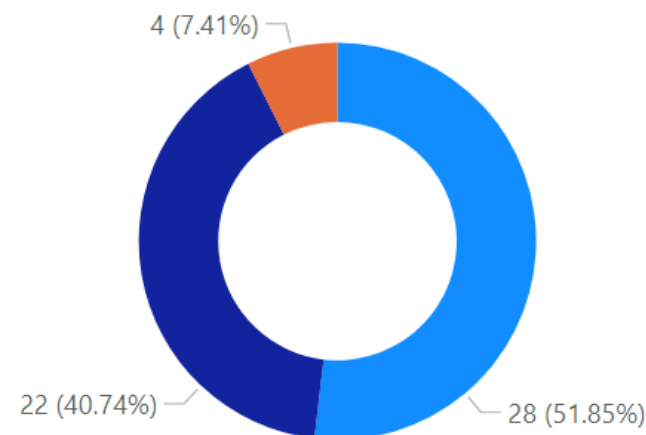
2023 ▾

Gender distribution



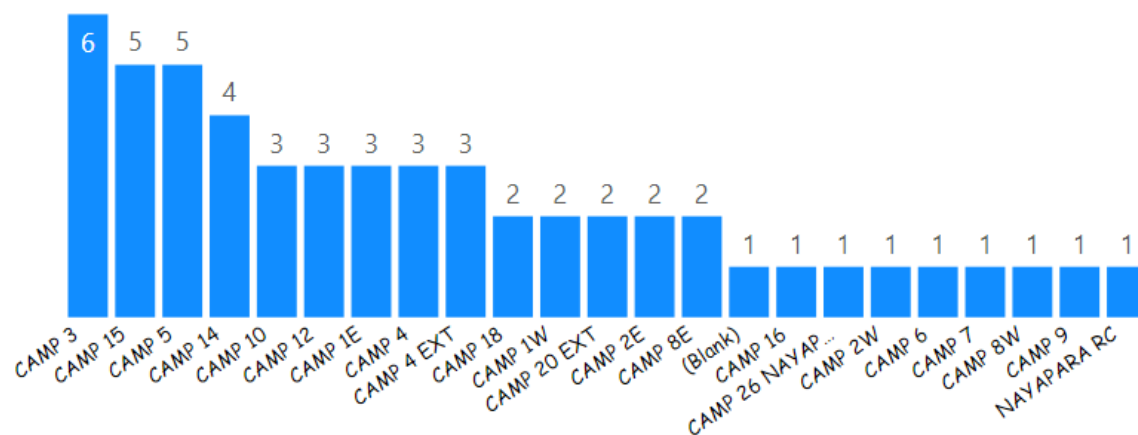
● MALE ● FEMALE

Place of death

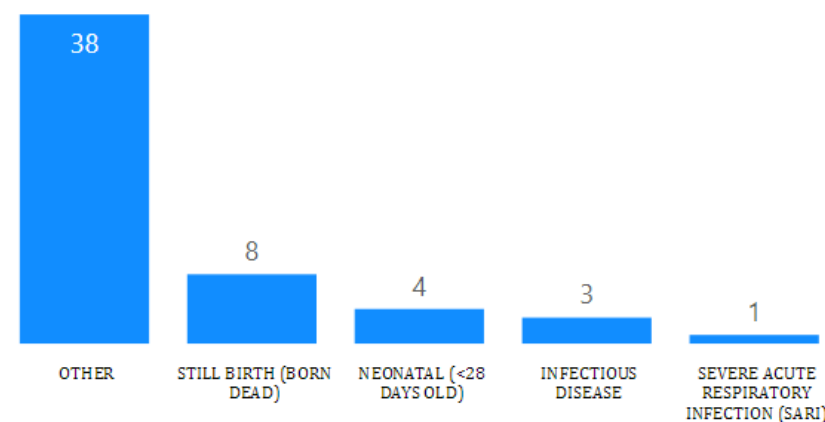


● HOME ● HEALTH FACILITY ● COMMUNITY/PUBLIC PLACE

Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W33 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 W33 2023

Table 1 | Coverage

#	%	
952,309	-	Estimated total Rohingya population ¹
923,358	97%	Total population under surveillance
148	-	Total number of health facilities
140	95%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

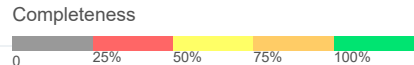
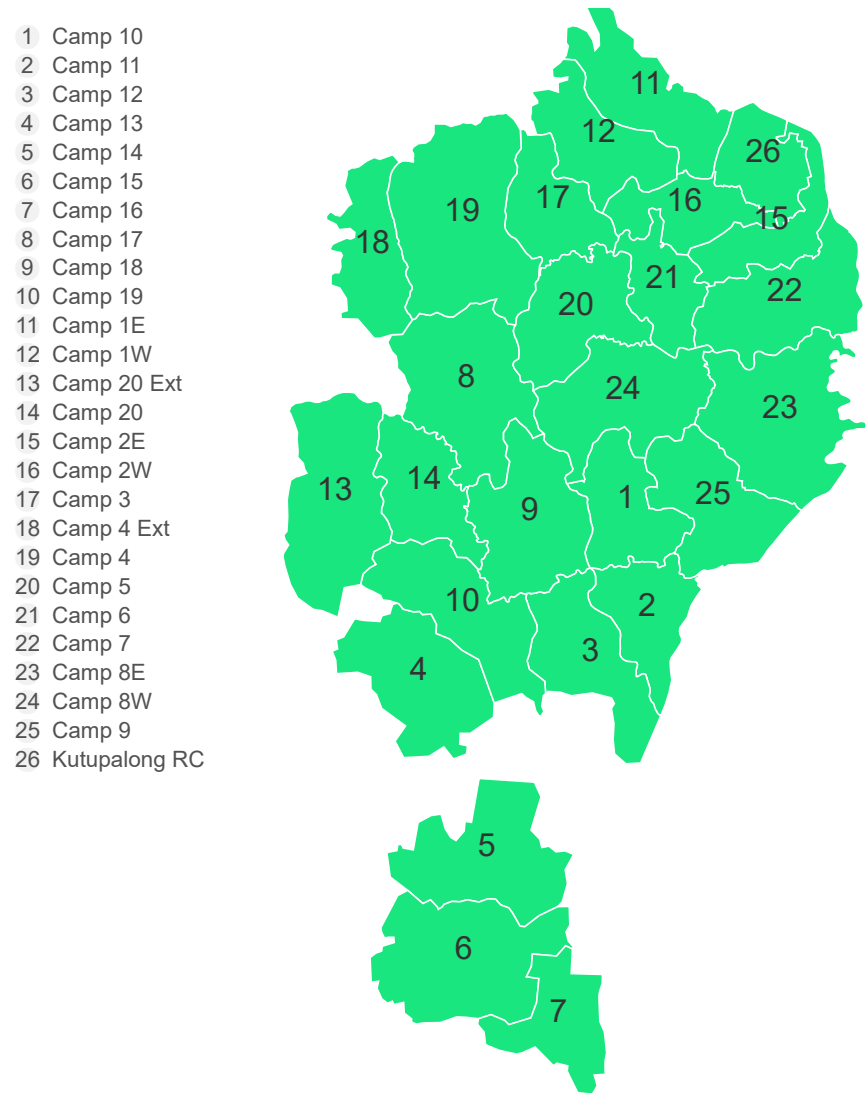
W33	Cumulative (2023)	
118	4894	Number of weekly reports received
84%	93%	Completeness
84%	85%	Timeliness

Table 3 Alert performance indicators

W33	Cumulative (2023)	
62	2,505	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

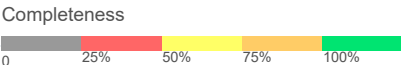
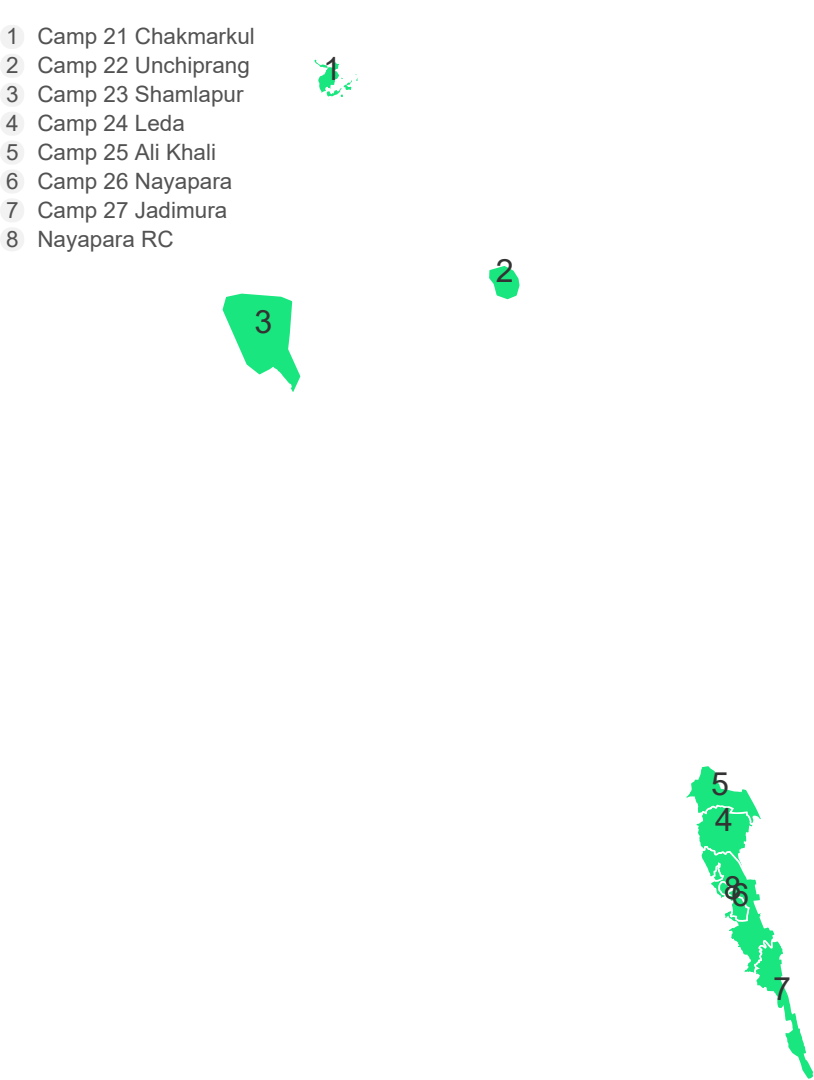
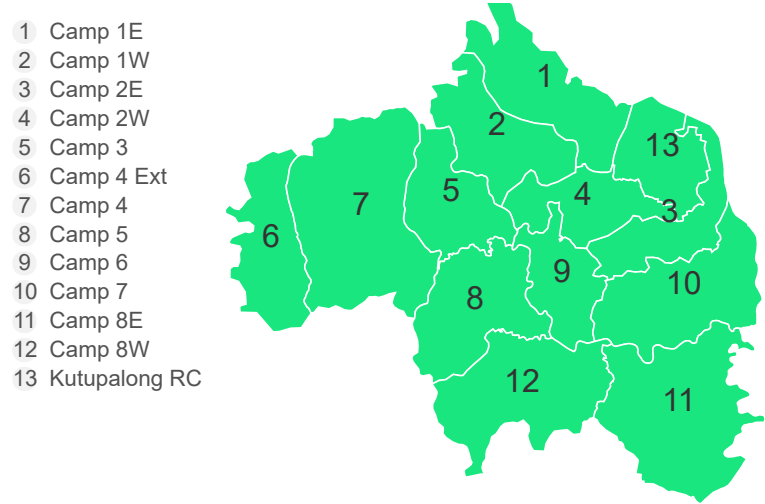


Table 4 | Performance by camp (W33 2023)

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	50%	63%
Camp 3	3	3	100%	100%
Camp 4	5	5	80%	80%
Camp 4 Ext	1	1	100%	50%
Camp 5	4	4	100%	88%
Camp 6	2	2	100%	100%
Camp 7	4	3	100%	88%
Camp 8E	9	8	100%	81%
Camp 8W	3	3	100%	67%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp



Completeness

0

25%

50%

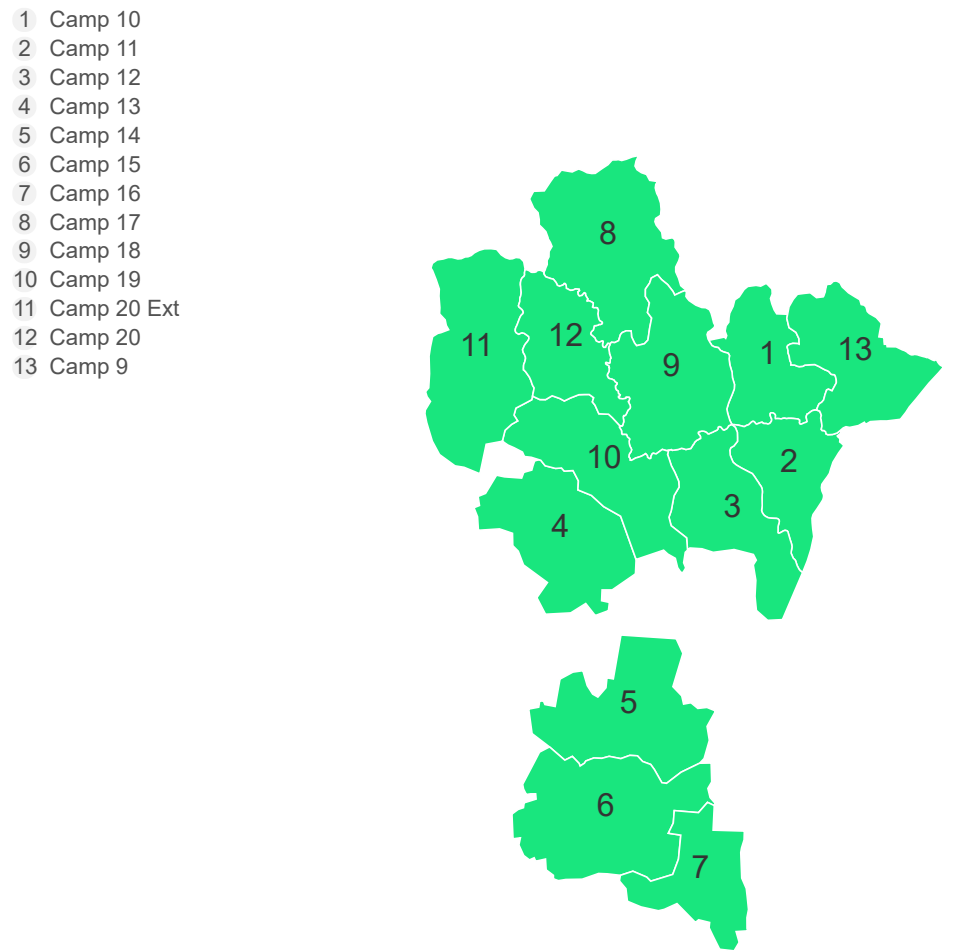
75%

100%

Table 5 | Performance by camp (W33 2023)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	2	100%	75%
Camp 11	3	3	100%	100%
Camp 12	5	3	60%	60%
Camp 13	7	6	86%	86%
Camp 14	6	4	83%	75%
Camp 15	8	6	75%	75%
Camp 16	7	4	71%	64%
Camp 17	3	2	67%	67%
Camp 18	4	3	75%	75%
Camp 19	3	3	100%	83%
Camp 20	3	3	67%	83%
Camp 20 Ext	2	2	100%	100%
Camp 9	5	3	100%	80%

Map 3 | Completeness by camp



Completeness

0

25%

50%

75%

100%

Table 6 | Performance by camp (W33 2023)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	3	3	67%	83%
Camp 22 Unchiprang	4	3	75%	75%
Camp 23 Shamlapur	2	2	100%	100%
Camp 24 Leda	2	2	100%	100%
Camp 25 Ali Khali	3	3	67%	83%
Camp 26 Nayapara	4	4	100%	75%
Camp 27 Jadimura	2	2	50%	75%
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 (W33 2023)

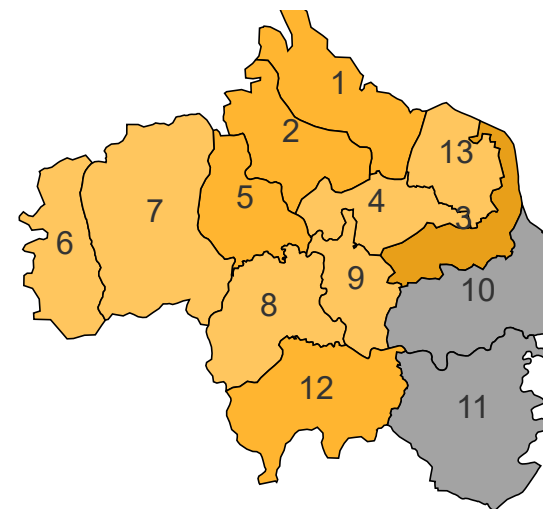
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	2	1	50%	50%	IRC	6	3	100%	100%
AWARD	12	6	50%	50%	MSF	16	7	88%	88%
BASHMAH	2	1	50%	0%	MoH	22	8	73%	73%
BDRCS	18	9	50%	50%	MHI	2	1	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	2	50%	50%
GK	20	9	100%	100%	RHU	6	3	50%	100%
Global One	0	0			RI	0	0		
GUSS	2	1	50%	50%	RTMI	14	7	86%	86%
HAEFA	4	2	50%	50%	SALT	2	1	50%	50%
HAIB	0	0			SCI	12	0	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%	100%					

Table 8 | Performance by camp

Northern group	W33		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	3	33%	88	93%
Camp 1W	3	100%	120	99%
Camp 2E	7	0%	300	92%
Camp 2W	2	0%	138	96%
Camp 3	3	33%	119	97%
Camp 4	2	0%	110	96%
Camp 4 Ext	1	0%	23	96%
Camp 5	1	0%	66	91%
Camp 6	1	0%	51	96%
Camp 7	0	0%	46	98%
Camp 8E	0	0%	70	99%
Camp 8W	3	33%	126	98%
Kutupalong RC	1	100%	40	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	W33		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	4	0%	55	82%
Camp 11	0	0%	45	98%
Camp 12	1	0%	57	95%
Camp 13	0	0%	81	99%
Camp 14	4	25%	82	93%
Camp 15	5	0%	98	90%
Camp 16	3	33%	71	96%
Camp 17	0	0%	39	95%
Camp 18	2	0%	112	97%
Camp 19	0	0%	13	100%
Camp 20	2	50%	51	94%
Camp 20 Ext	1	100%	16	100%
Camp 9	1	0%	77	91%

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

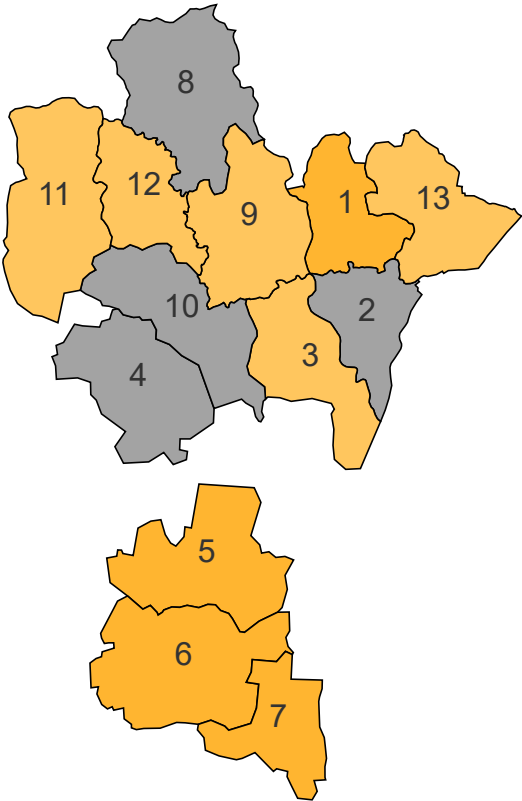


Table 10 | Performance by camp

Teknaf	W33		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	2	0%	76	82%
Camp 22 Unchiprang	0	0%	63	97%
Camp 23 Shamlapur	0	0%	4	100%
Camp 24 Leda	5	0%	166	88%
Camp 25 Ali Khali	0	0%	12	100%
Camp 26 Nayapara	2	50%	22	95%
Camp 27 Jadimura	0	0%	8	100%
Nayapara RC	2	50%	39	97%

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

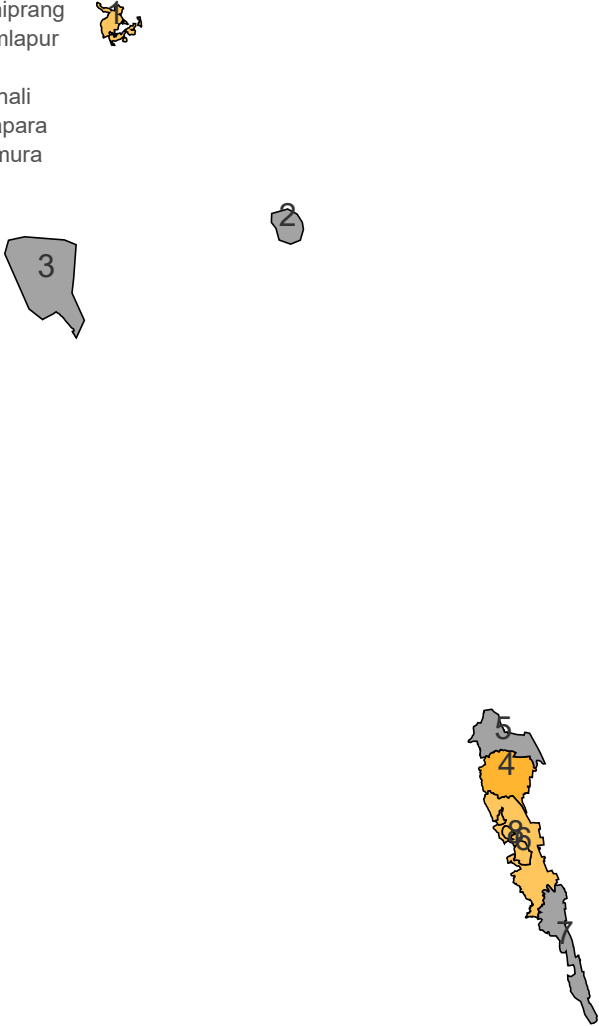


Table 11 | Performance by type of alert

Event	W33		Cumulative (2023)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	0	0%	67	99%
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%	35	97%
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	4	0%	183	93%

Table 12 | Risk assessment

W33	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 W33 2023



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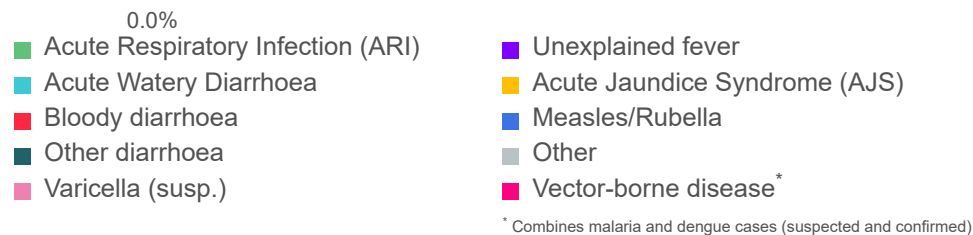
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Proportional morbidity

Figure 1 | Proportional morbidity (W33 2023)



Disease	W33		2023	
	# cases	% morbidity	# cases	% morbidity
AWD	2,479	2.6%	84,508	2.5%
Bloody diarr.	189	0.2%	8,054	0.2%
Other diarr.	784	0.8%	40,616	1.2%
Susp. Varicella	48	0.0%	29,150	0.9%
ARI	21,446	22.3%	621,456	18.7%
Measles/Rub.	17	0.0%	544	0.0%
AFP	1	0.0%	141	0.0%
Susp. menin.	8	0.0%	159	0.0%
AJS	8	0.0%	562	0.0%
Susp. HF	25	0.0%	345	0.0%
Neo. tetanus	0	0.0%	5	0.0%
Adult tetanus	0	0.0%	8	0.0%
Malaria (conf.)	9	0.0%	148	0.0%
Malaria (susp.)	158	0.2%	2,741	0.1%
Dengue (conf.)	1,529	1.6%	13,150	0.4%
Dengue (susp.)	758	0.8%	5,395	0.2%
Unexpl. fever	1,275	1.3%	31,203	0.9%
Sev. Malnut.	68	0.1%	2,207	0.1%
Inj./Wounds	2,401	2.5%	82,432	2.5%
Other	65,067	67.6%	2,395,536	72.1%
Total	95,047	100%	3,322,198	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W33)

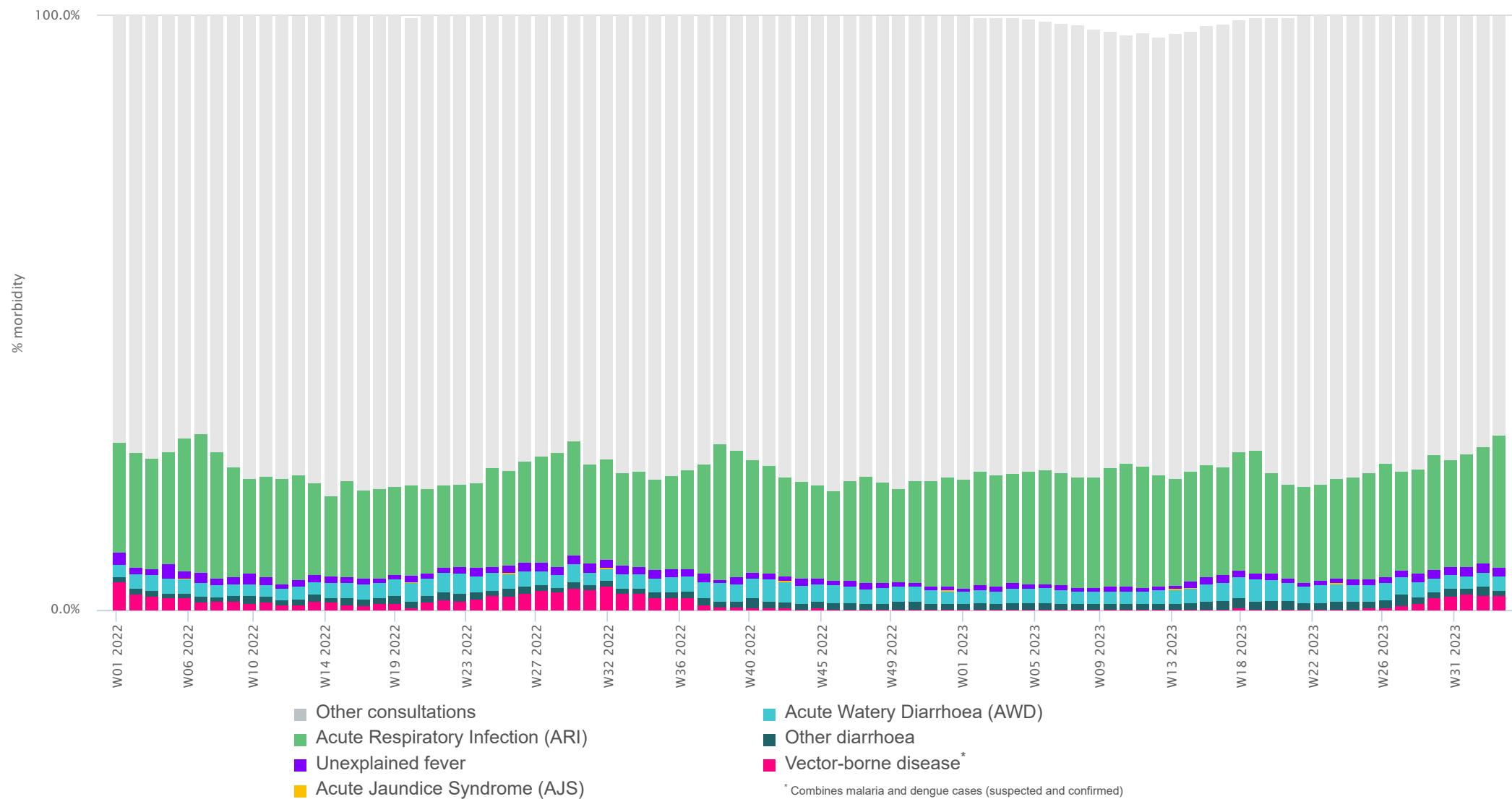
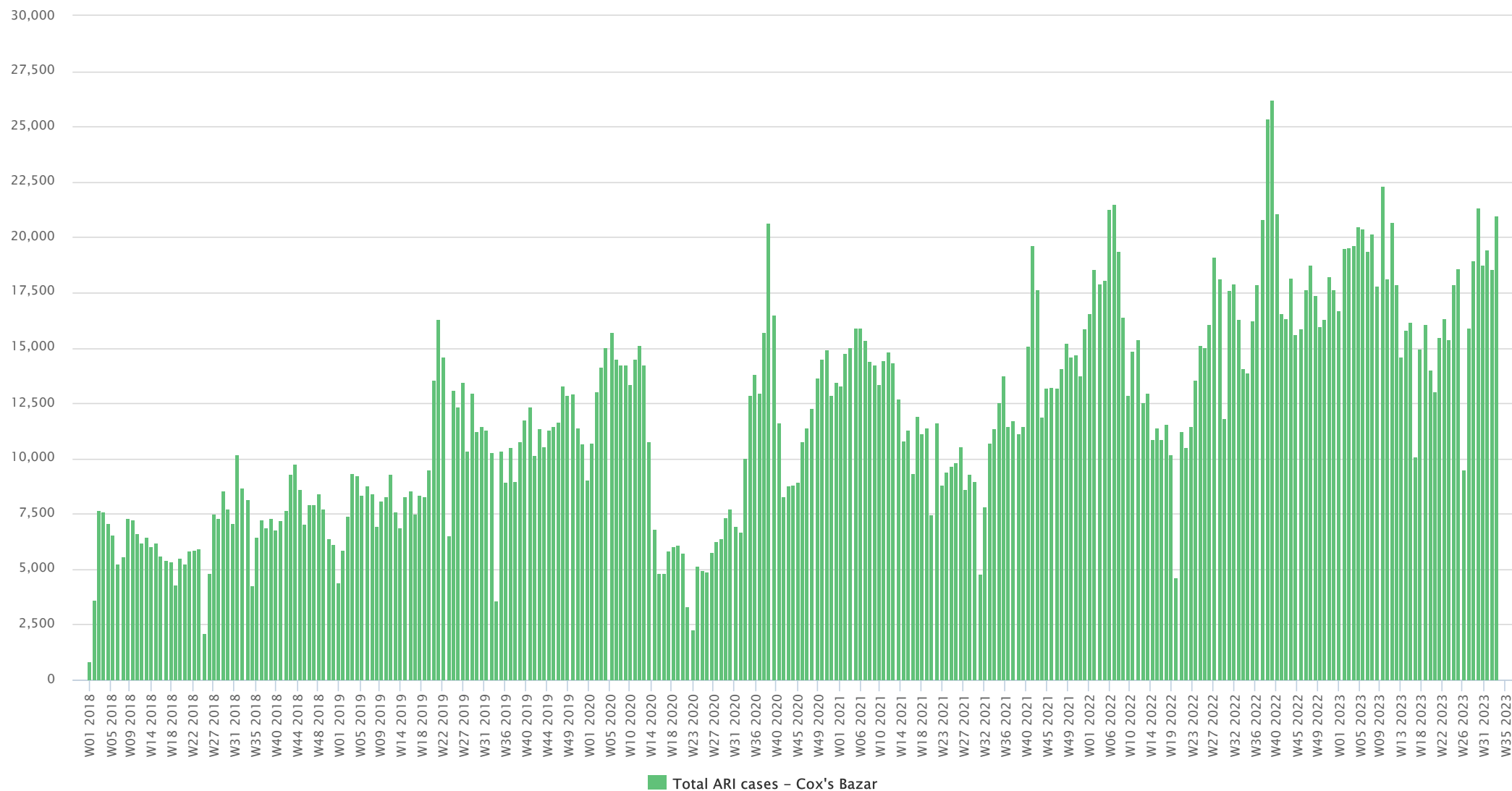
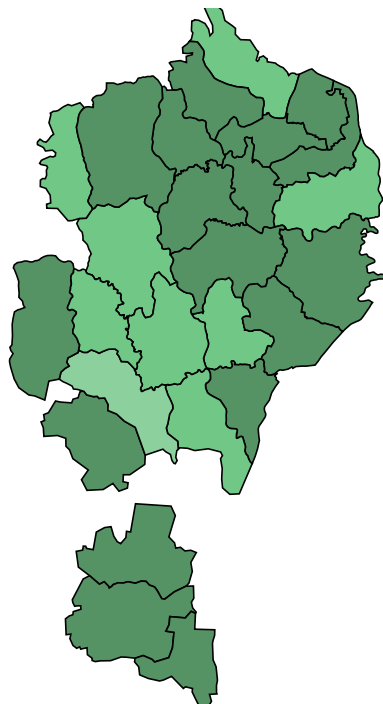


Figure 3 | Trend in number of cases over time (W38 2017 - W33 2023)

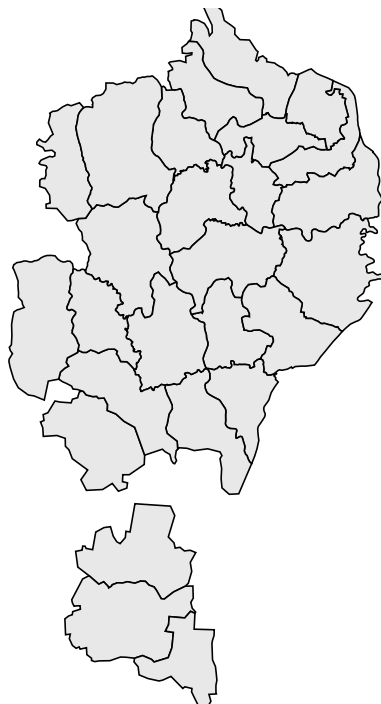


Map 1 | Map of cases by camp (W33 2023)

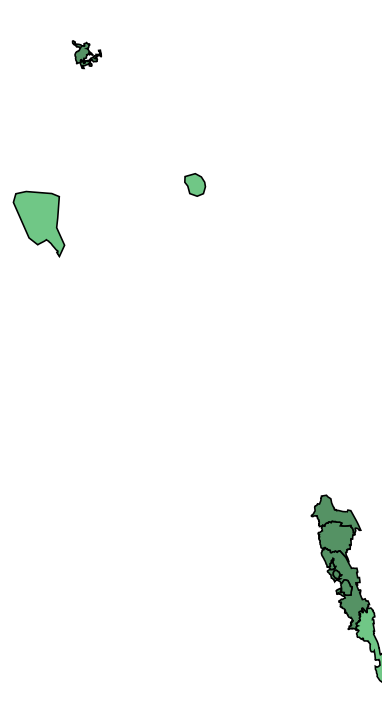
a. Ukhia | Number of cases



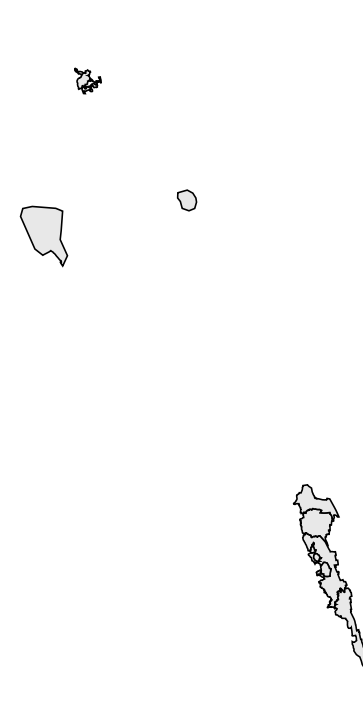
b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



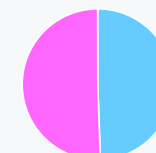
Alert threshold

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

Alert management (W33 2023)

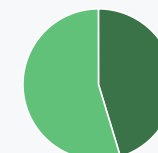


Figure | % sex



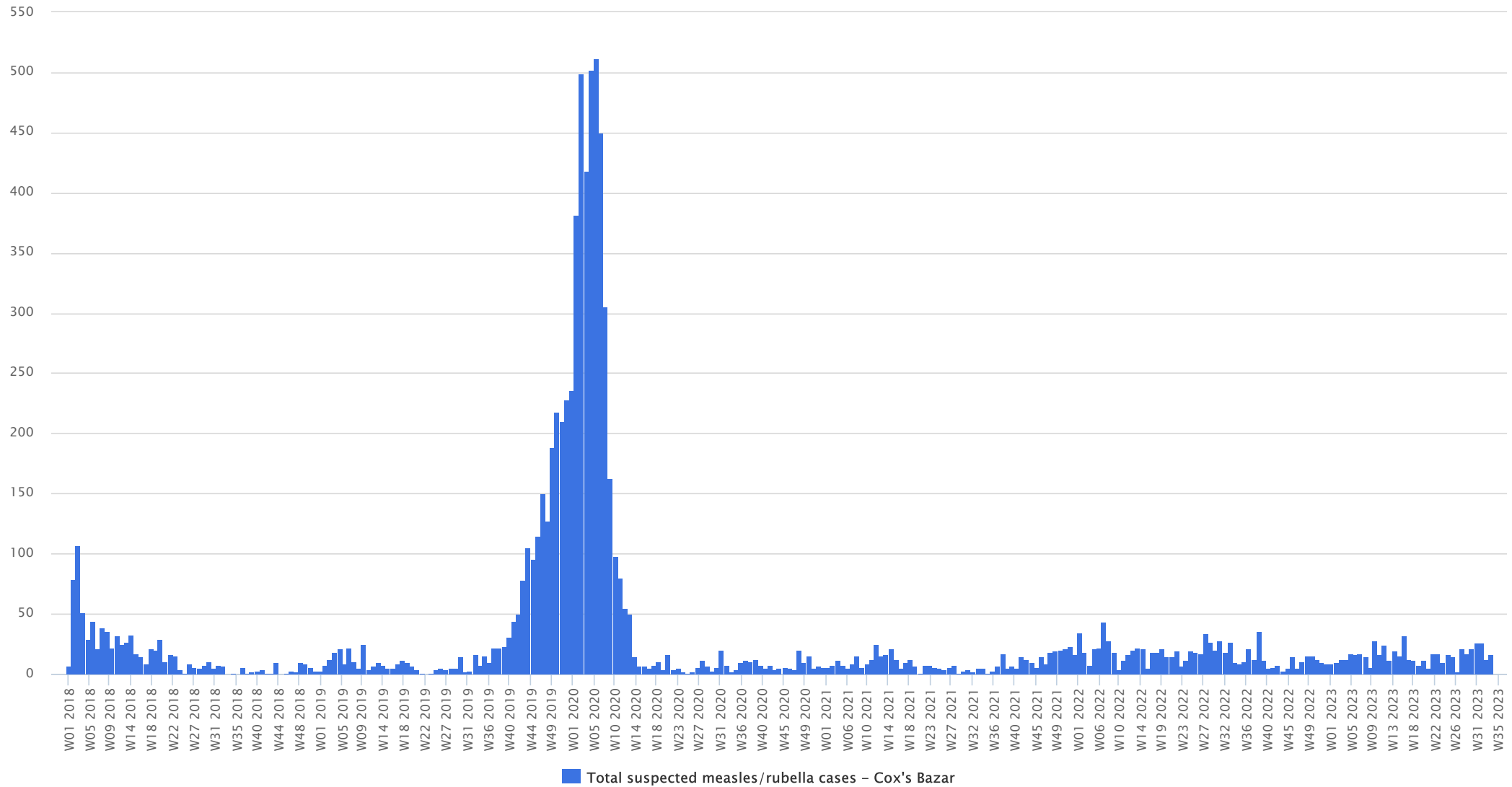
Male Female

Figure | % age



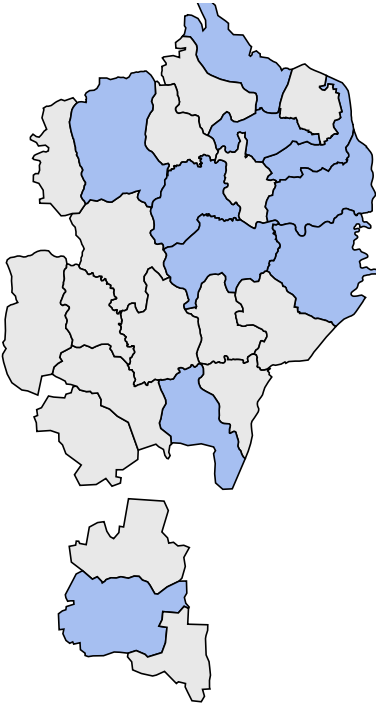
>= 5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W33 2023)



Map 2 | Map of cases by camp (W33 2023)

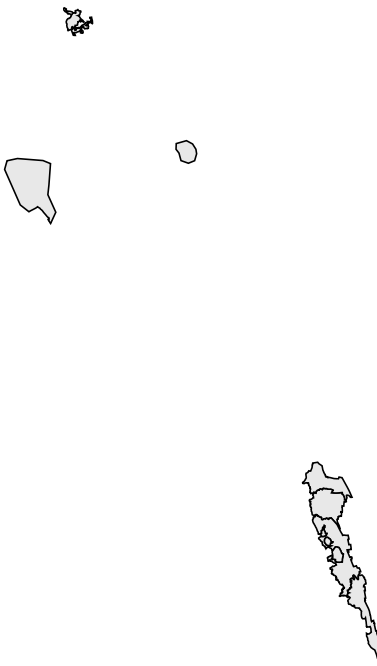
a. Ukhia | Number of cases



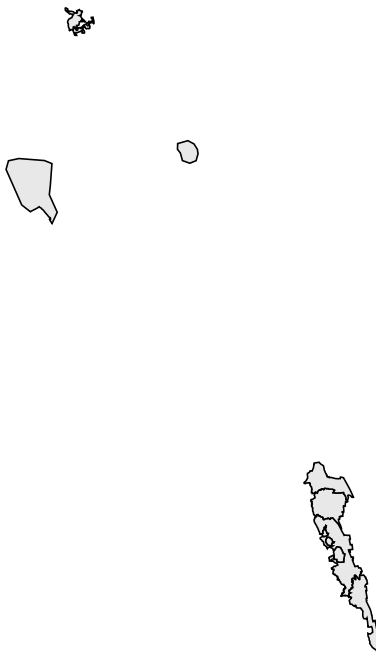
b. Ukhia | Number of alerts



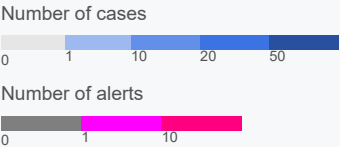
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W33 2023)

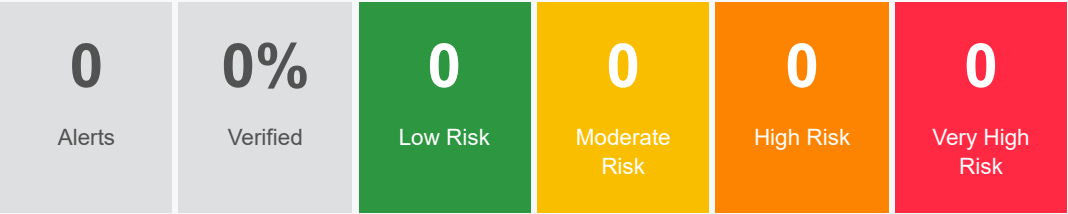


Figure | % sex

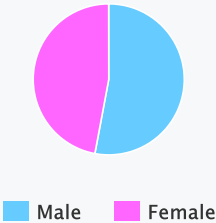


Figure | % age

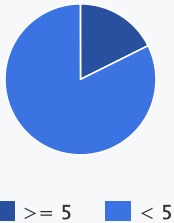
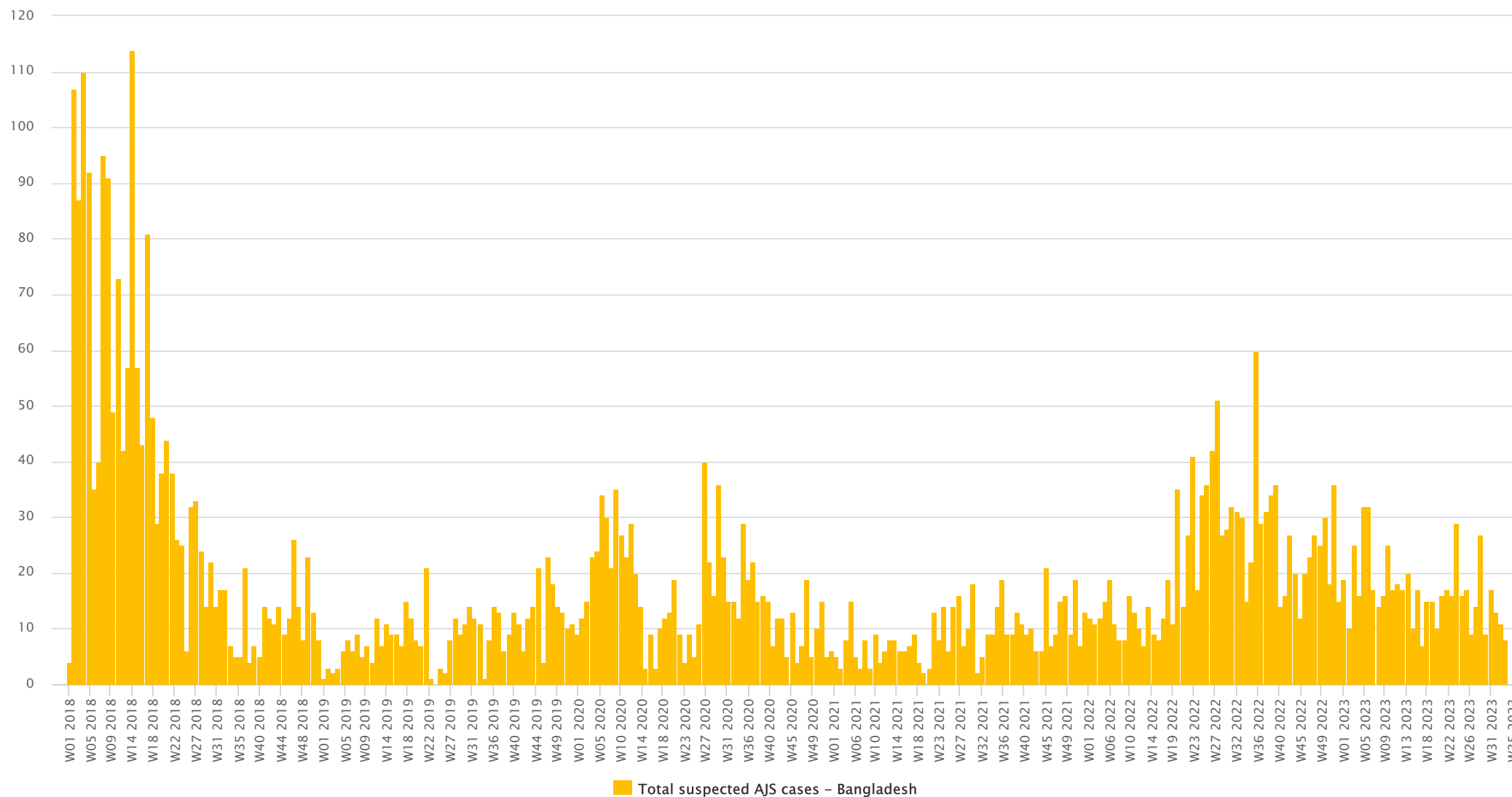
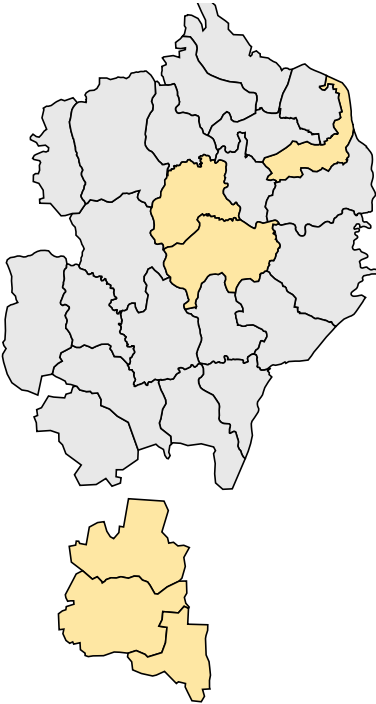


Figure 5 | Trend in number of cases over time (W38 2017 - W33 2023)



Map 3 | Map of cases by camp (W37 2017 - W33 2023)

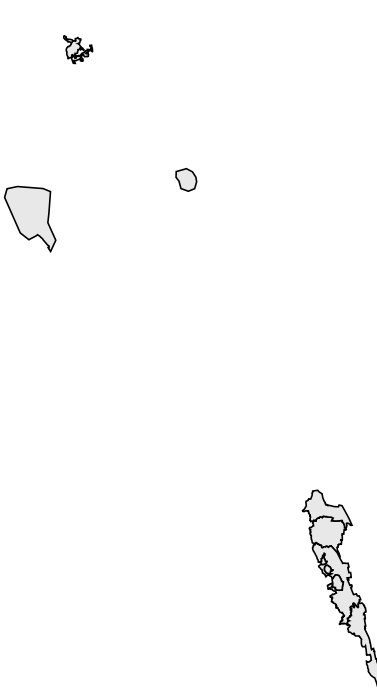
a. Ukhia | Number of cases



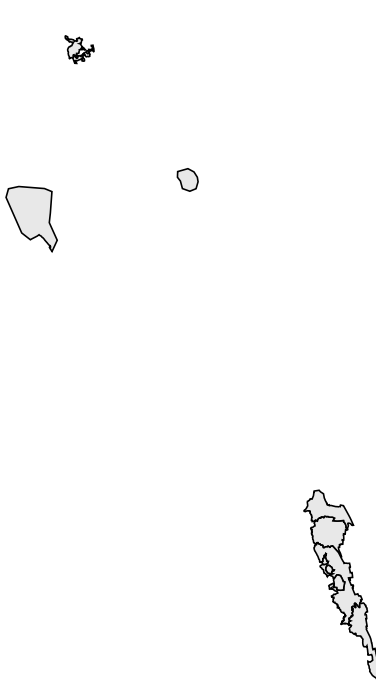
b. Ukhia | Number of alerts



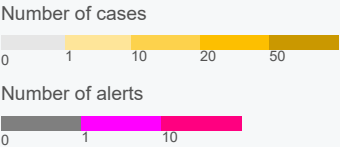
c. Teknaf | Number of cases



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 (W33 2023)

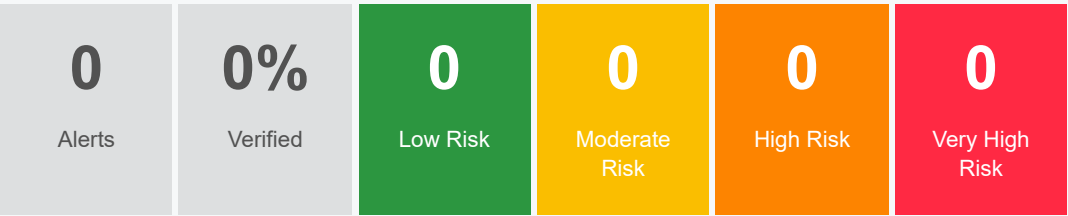
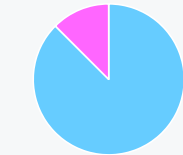


Figure | % sex



Male Female

Figure | % age



>= 5

Figure 6 | Trend in number of cases over time (W38 2017 - W33 2023)

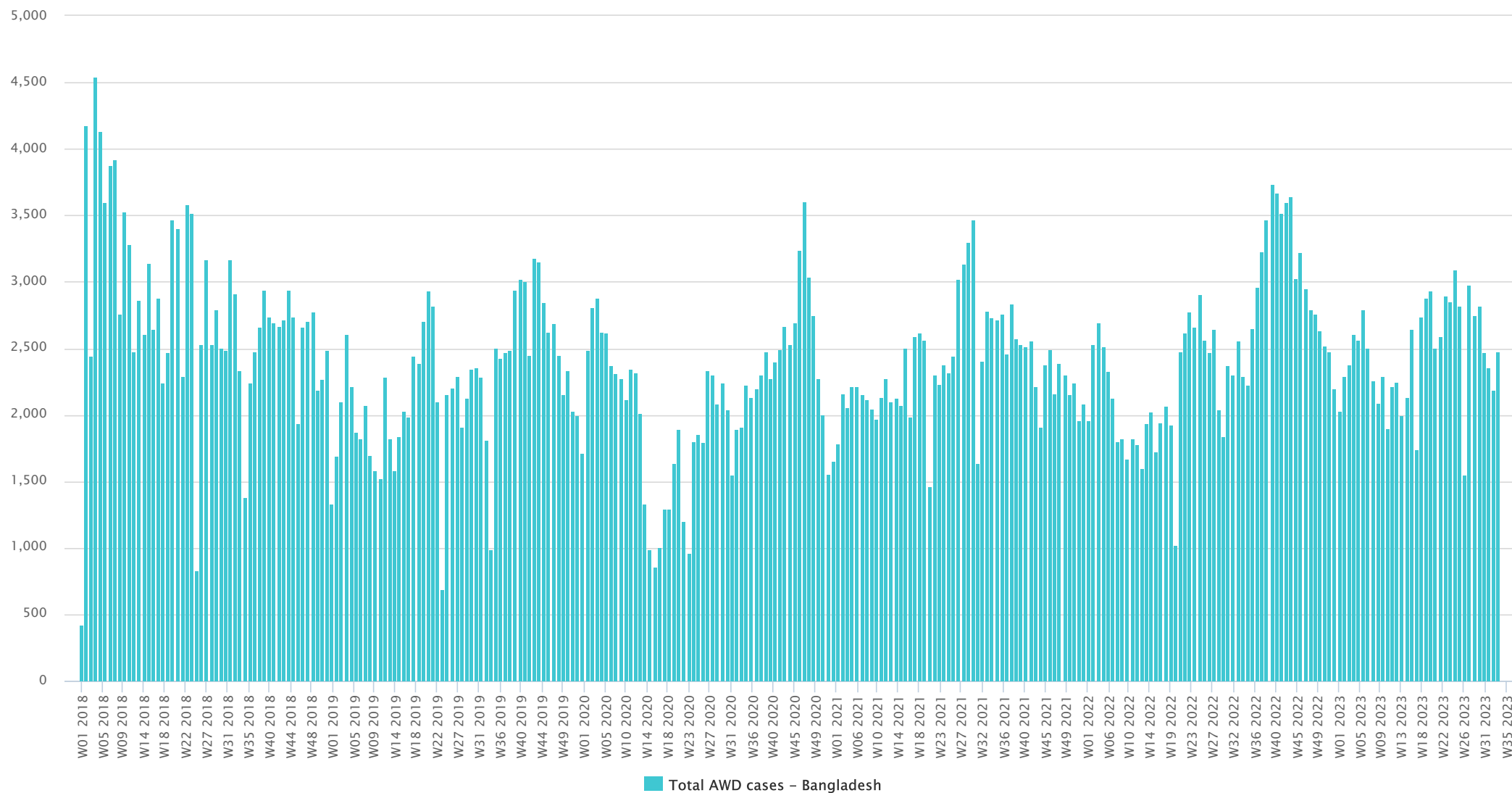
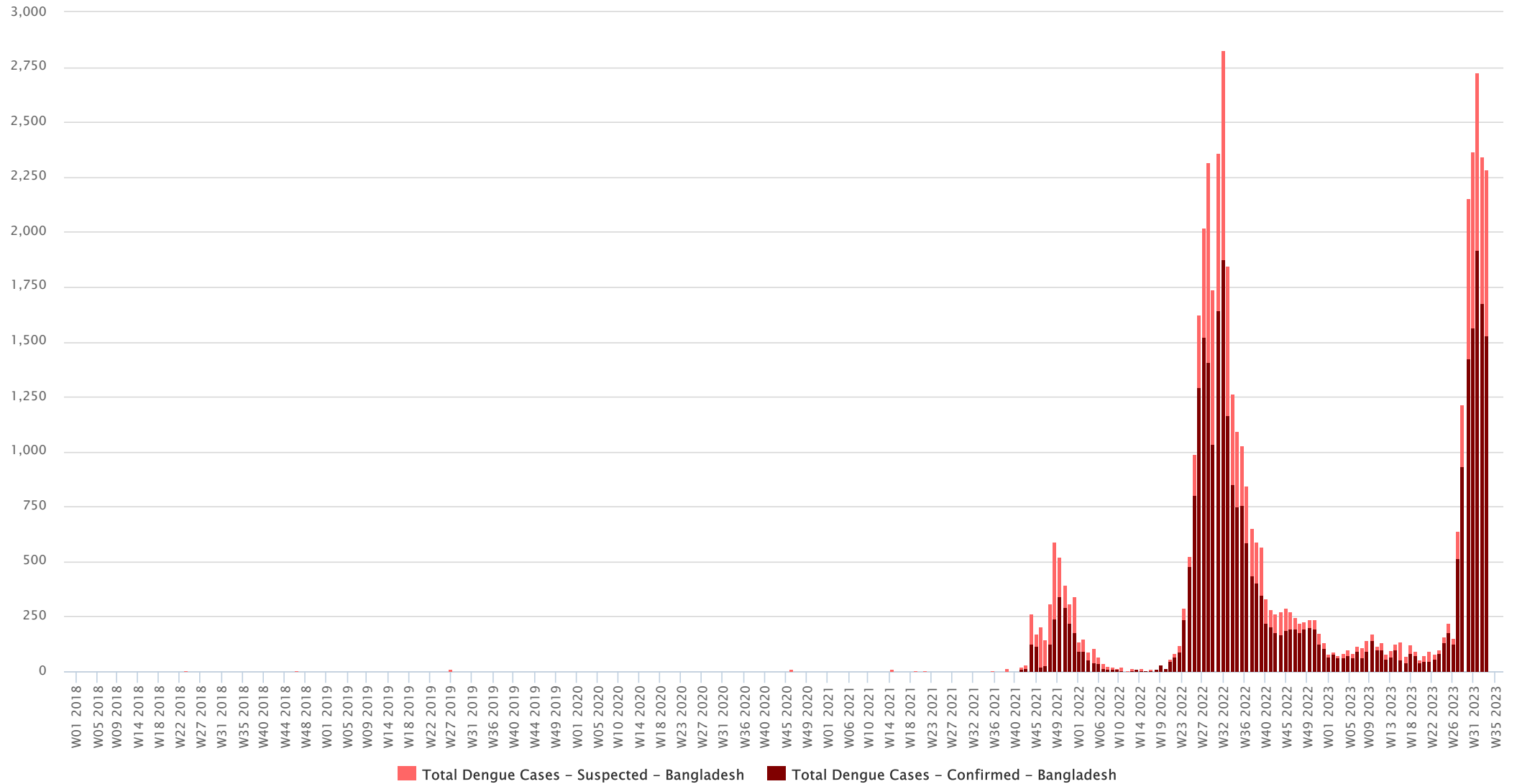
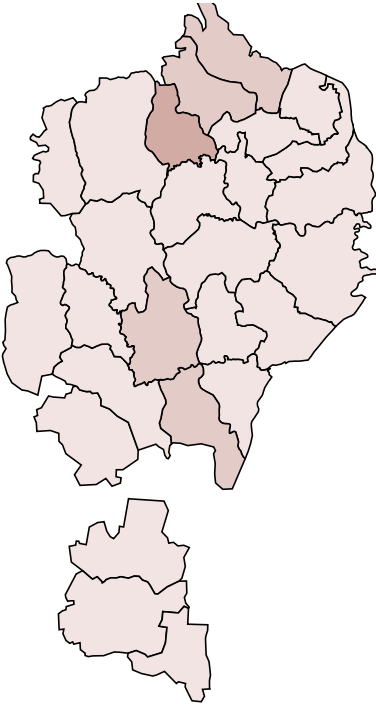


Figure 7 | Trend in number of cases over time (W38 2017 - W33 2023)



Map 4 | Map of cases by camp (W37 2017 - W33 2023)

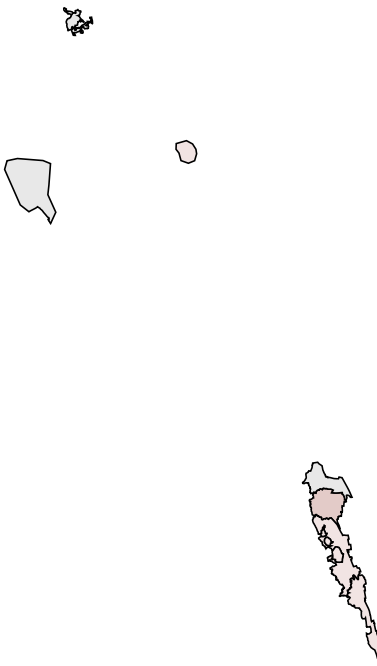
a. Ukhia | Number of cases



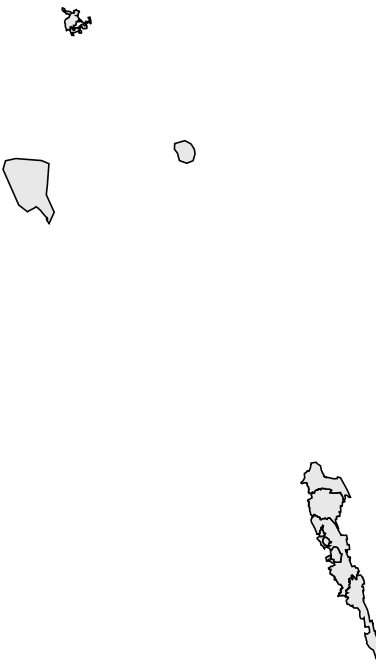
b. Ukhia | Number of alerts



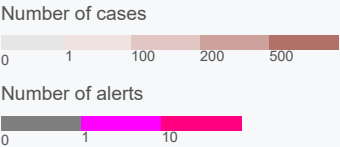
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W33 2023)

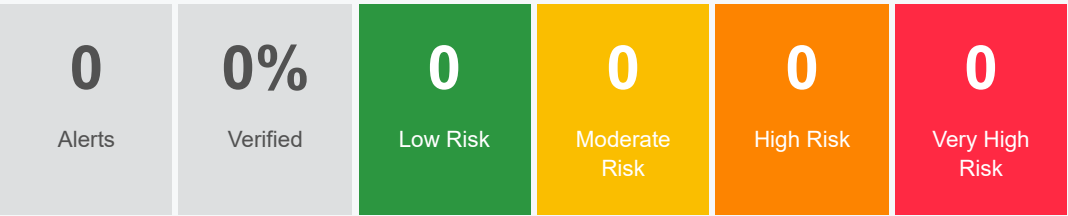


Figure | % sex

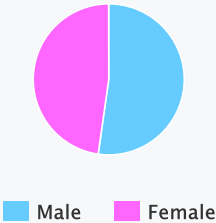


Figure | % age

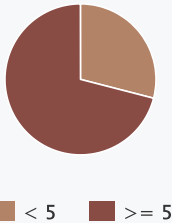
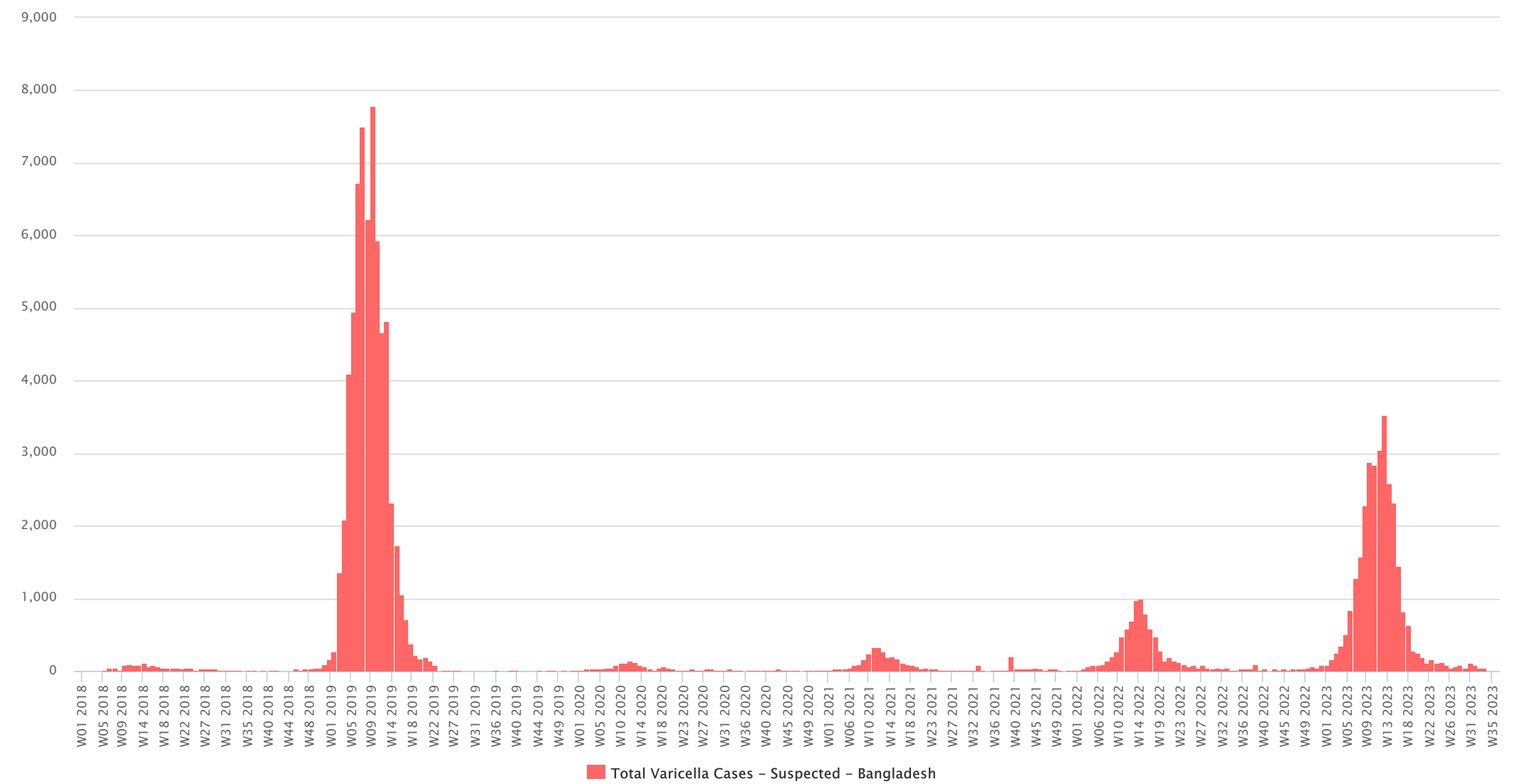
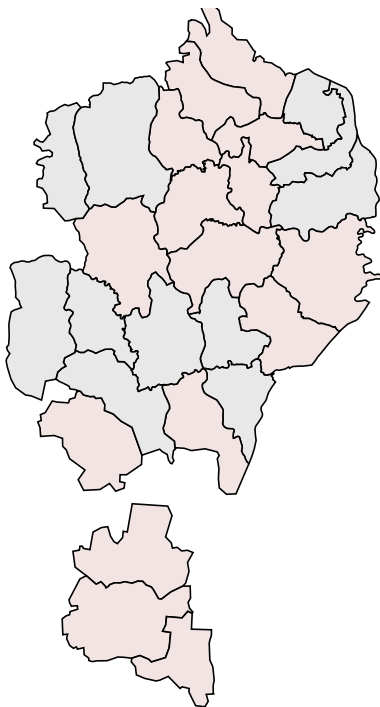


Figure 7 | Trend in number of cases over time (W38 2017 - W33 2023)

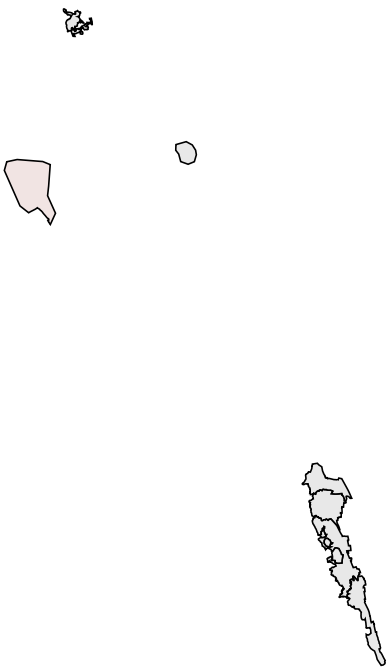


Map 4 | Map of cases by camp (W37 2017 - W33 2023)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

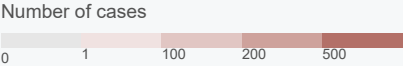


Figure | % sex

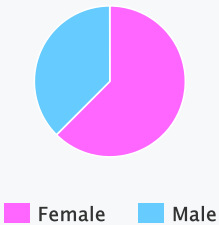
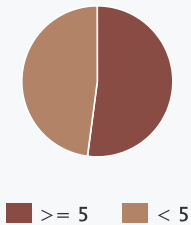


Figure | % age



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>

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



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