



Epidemiological Highlights

Week 29 (10-16 July) 2022



World Health
Organization

Highlights: COVID-19

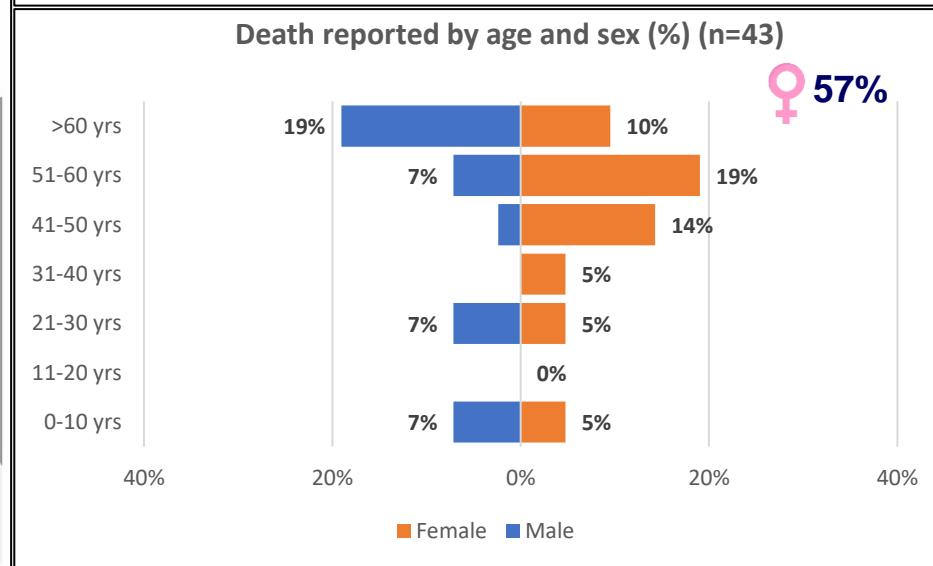
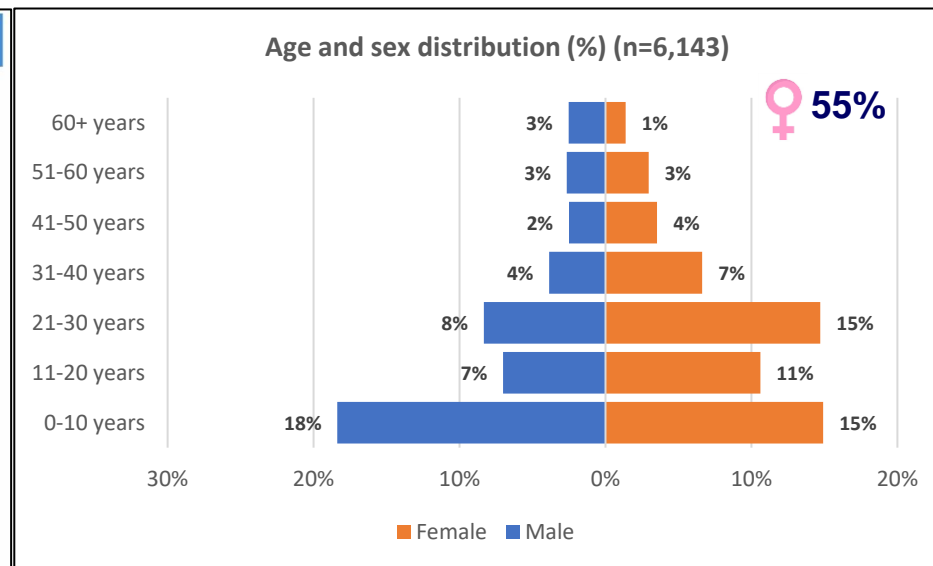
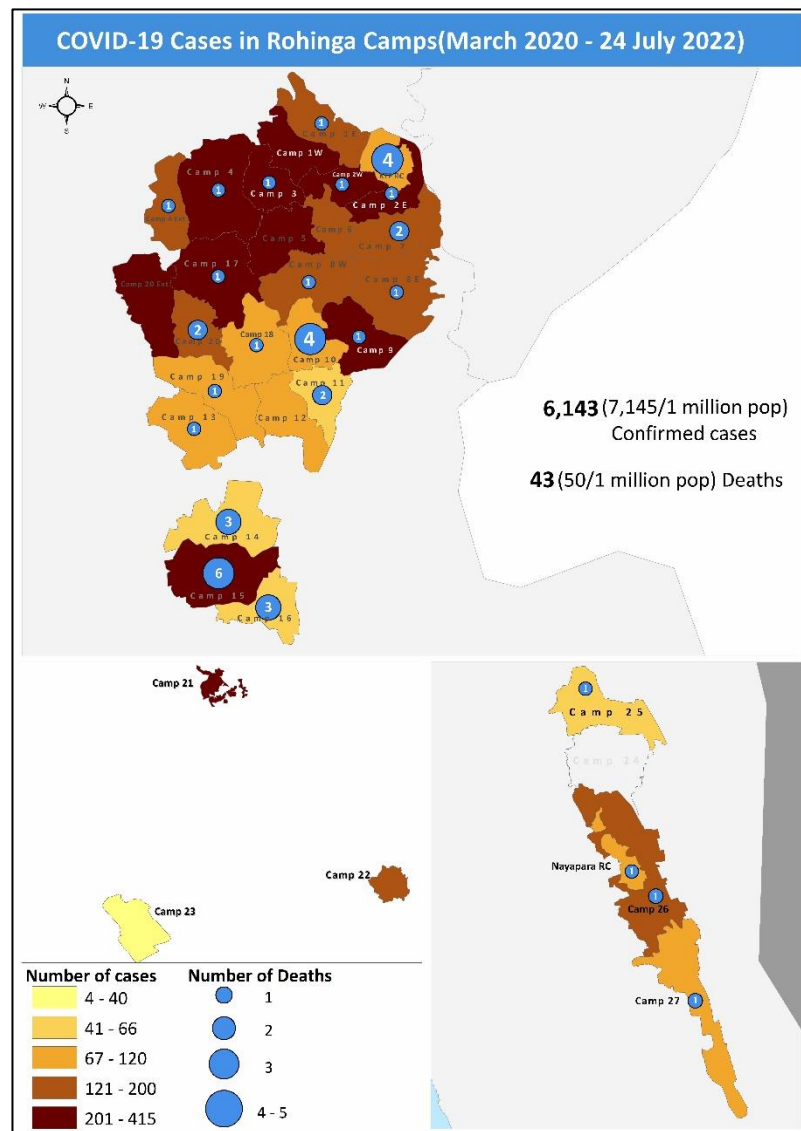
As of week 29, (18-24 July) 2022 there were **6,143 confirmed cases** of COVID-19 (SARS-CoV-2), out of 106,783 **samples** that had been submitted for testing. The **Total Positivity Rate (TPR)** now stands at **5.8%**

In the reporting week, again 76 new confirmed case was detected out of 573 total samples tested. This translated to a 13.3% TPR which is higher than that of the previous week.

As of this week (week 29)

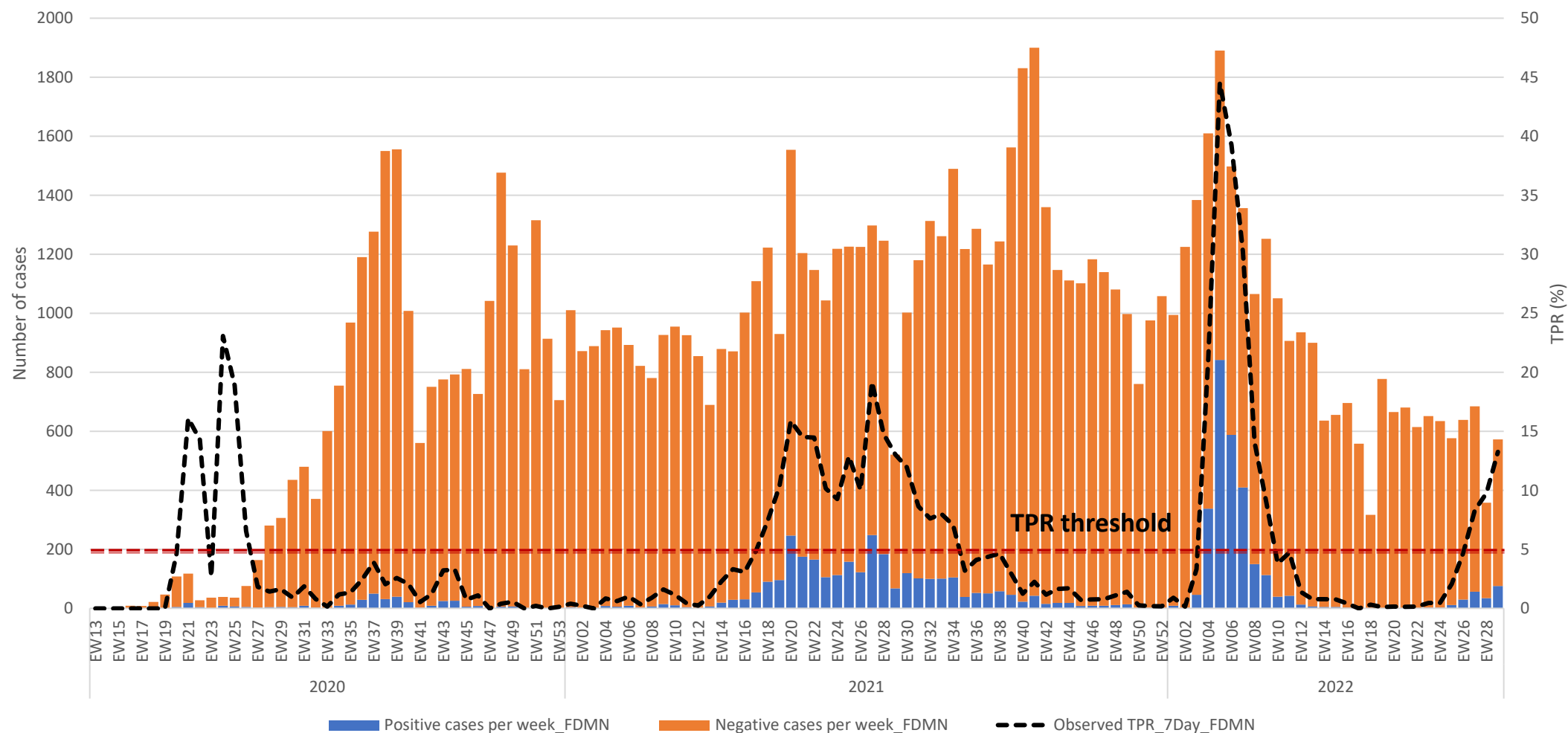
- **Median age** of tested and confirmed cases were 11 (0-120) and 20 (0-100) years respectively
- **Proportion of females** among tested and confirmed cases were 54% and 55% respectively
- **All the 34 camps**, have so far reported confirmed cases since the outbreak began, while the five camps with the highest number of reported cases were; C24-440, C17-415, C2W-393, C4-369, and C3-338
- No new death was reported in this Epi week. Total confirmed COVID-19 deaths so far reported to date stands at 43 with the average **case fatality ratio** of 0.7%
- The **weekly incidence** was 88.4 cases/1 million population in this Epi week which is higher than that of the previous week.

Highlights: COVID-19



Highlights: COVID-19

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



EWARS Reporting Updates

- Currently, a total of 166 health facilities are registered in EWARS
 - Only 135/166 weekly reports were received on time in week 29
 - Timeliness of reporting for this week was 88%
 - One forty-four (144) alerts were triggered
 - All alerts were reviewed and verified by the WHO EWARS team; this was more than the previous week (131 alerts in week 28, 2022).

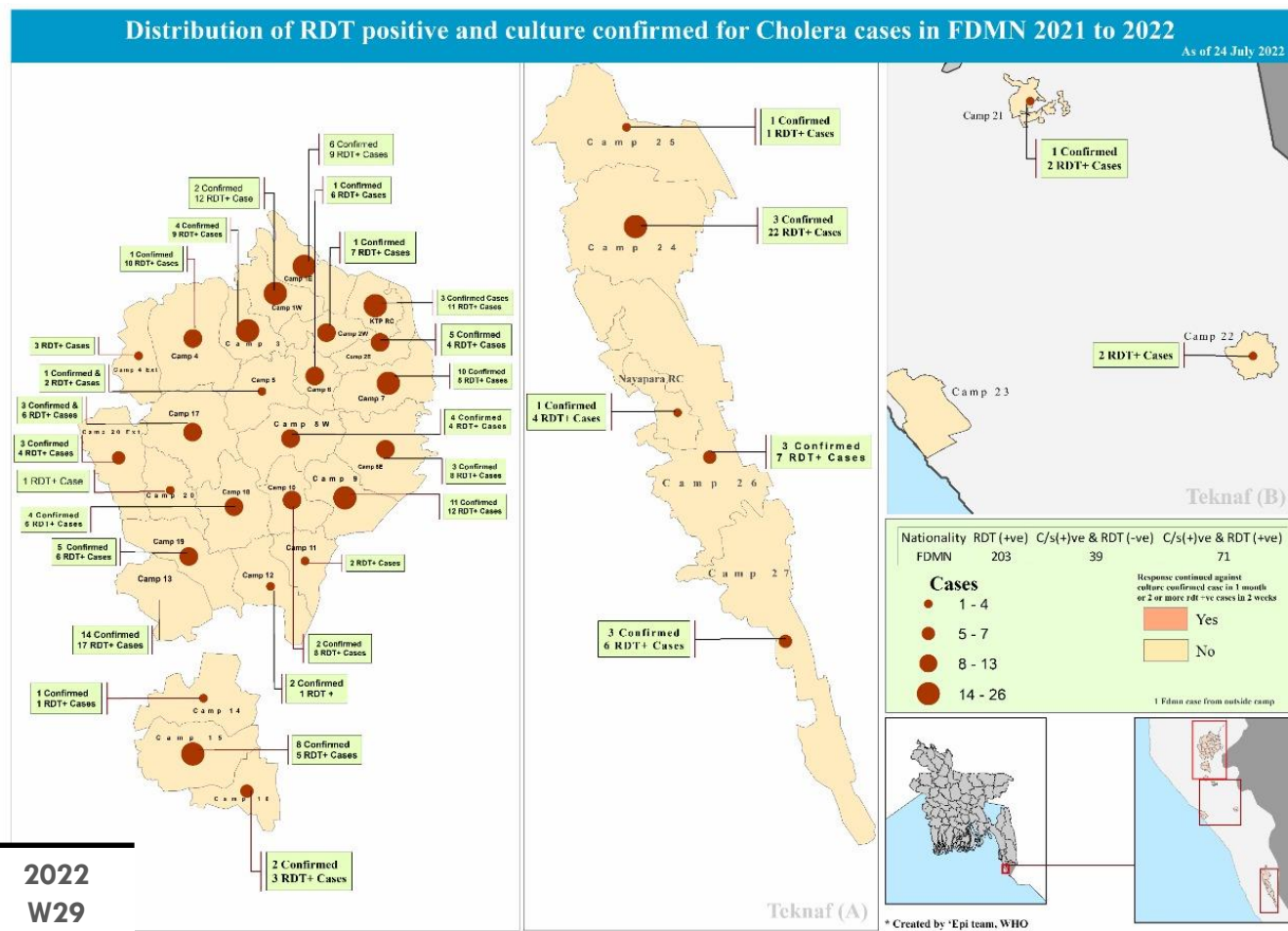
Highlights: Morbidities and Mortalities

- Acute Respiratory Infections (18.4%), Diarrheal Diseases (4.0%) & injury, and wounds (2.5%) were the diseases and health conditions with the highest proportional morbidity in week 29.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
- This Epi week, nine (9) new SARI death was reported as highlighted below:

Year	Suspected SARI death reported	Reclassified as death due to probable COVID-19
2022	74	6
2021	96	15
2020	49	2

Cholera/AWD Surveillance Updates

- In this week, there is two (2) new RDT-positive case was reported, among samples sent for testing.
- In 2022 total of eighty-five (85) RDT confirmed cholera cases were reported as of W29 2022. Of these 13 were positive for culture, and 72 were negative for culture.
- Cumulatively there are 739 RDT and culture-confirmed cholera cases of which 333 cases were culture-confirmed since transmission in 2018



	2018	2019	2020	2021	2022 W29
RDT positive/culture confirmed for Cholera	49	258	28	357	85
Culture confirmed for Cholera	7	184	5	136	13

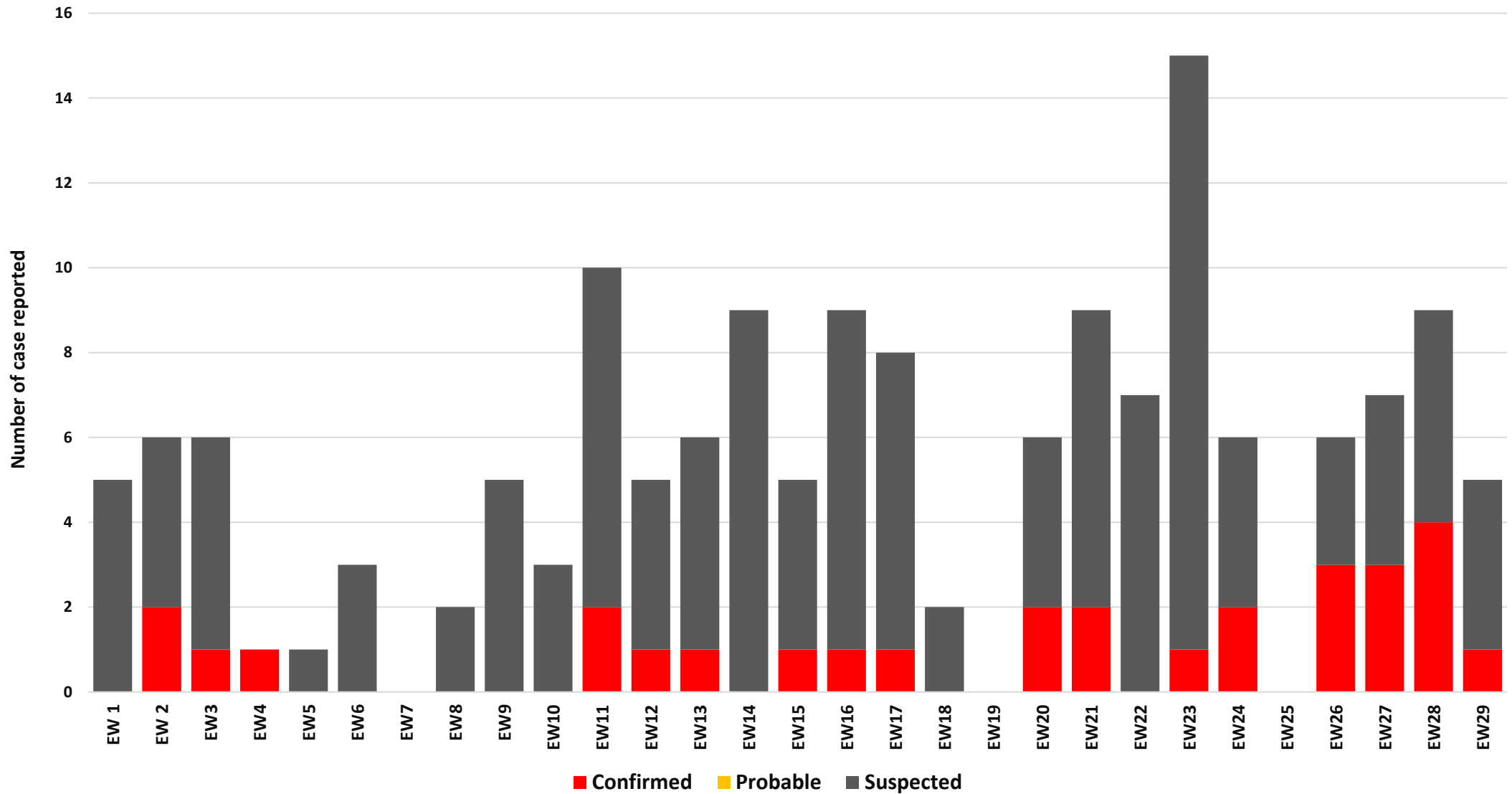
Diphtheria Surveillance Updates

- One (1) confirmed and 4 suspected diphtheria cases were reported in go.data in this Epi week 29
- The last confirmed case was reported on 21 July 2022
- In total 53 deaths have so far been reported since 2017, the last death reported on 25 April 2022

Classification	2017	2018	2019	2020	2021	2022
Confirmed	66	226	31	19	30	29
Probable	1154	1555	60	9	29	0
Suspected	1796	3549	523	198	118	126
Death	30	14	3	0	5	1

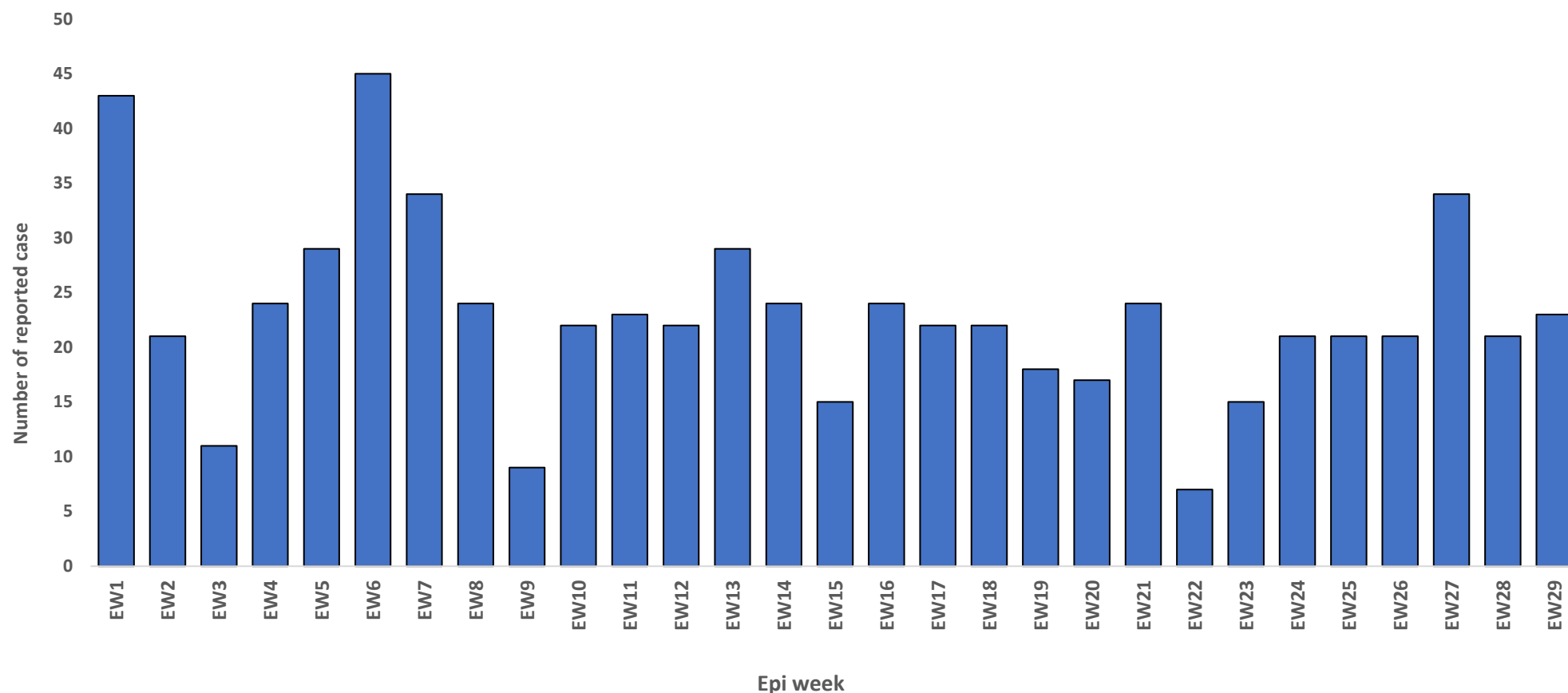
Trends of Diphtheria cases

Total number of diphtheria case reported in EWARS from week 1-29, 2022



Epi Curve of Suspected Measles Cases

Total number of Measles case reported in EWARS from 2021- 2022 (Epi week 29)



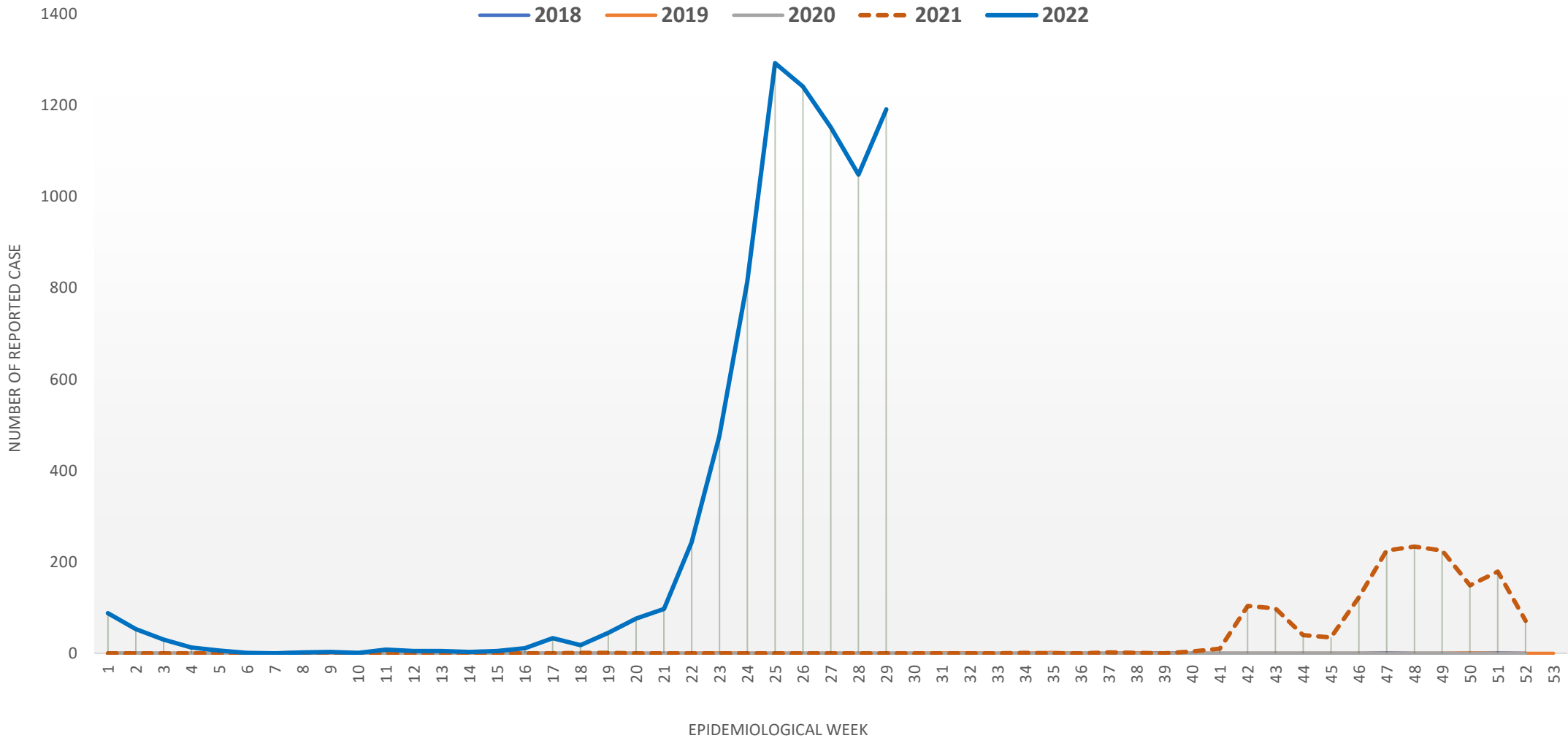
- > In week 29, 23 suspected measles cases were reported through weekly reporting. This brings the total number of suspected measles cases to 665 reported in 2022
- > About 57% (380/665) of the total suspected measles cases were reported through case-based reporting and samples collected for laboratory confirmation

Dengue Surveillance Updates

Year	Month/Epi Week	Confirmed case	Death	Confirmed case (cumulative)	Death (cumulative)
2022	Jan (Ew1-4)	189	0	189	0
	Feb (Ew5-8)	9	0	198	0
	March (Ew9-13)	17	0	215	0
	April (Ew14-17)	57	0	277	0
	May (Ew18-21)	236	0	513	0
	June (Ew22-26)	4,046	2	4,577	2
	Week 27 (4-10 July)	1,152	0	5,730	2
	Week 28 (11-17 July)	1,048	2	6,778	4
	Week 29 (18-24 July)	1,191	2	7,969	6

Dengue Surveillance Updates

Yearly Trends of Dengue case trend from 2018 - Epi Week 29, 2022



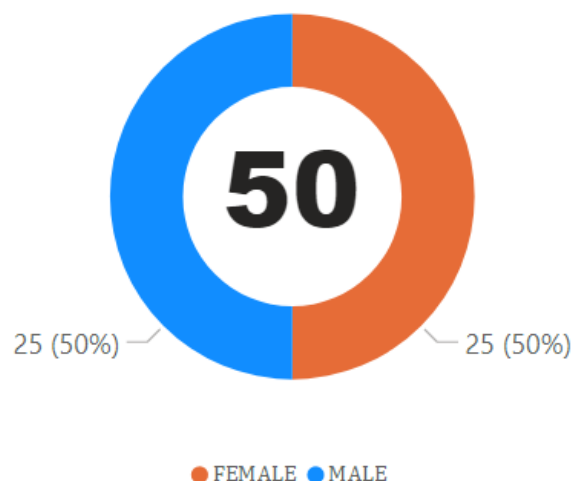
Community-based Mortality surveillance updates Epi week 29

Probable causes of death	Epi week 29	Cumulative in 2022
Still Birth	4 (8%)	111 (11%)
Neonatal Death (<28 days old)	5 (10%)	103 (10%)
Infectious Disease	1 (2%)	29 (3%)
Severe Acute Respiratory Infection (SARI)	4 (8%)	26 (2%)
Injury	--	29 (3%)
Maternal Death	1 (2%)	27 (3%)
Acute Malnutrition	--	1 (0%)
Other	35 (77%)	711 (69%)
Total	50 (100%)	1,037 (100%)

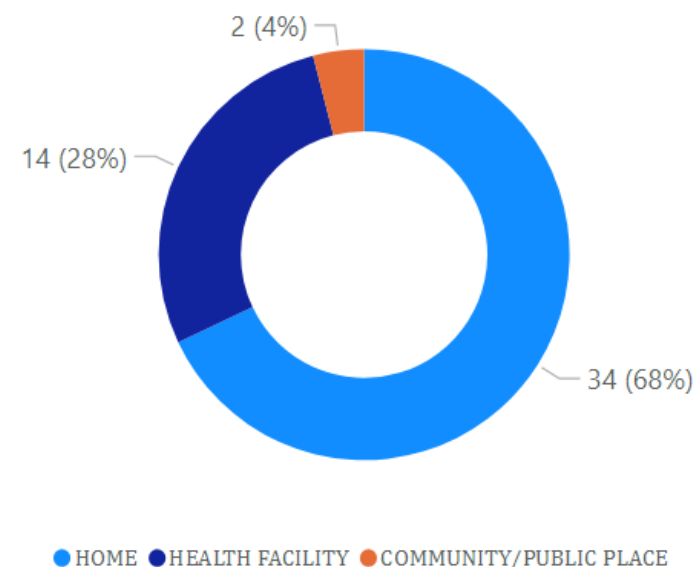
Partners to report all mortalities into the EWARS platform using both case and event-based reporting as applicable

Community-based Mortality surveillance updates Epi week 29

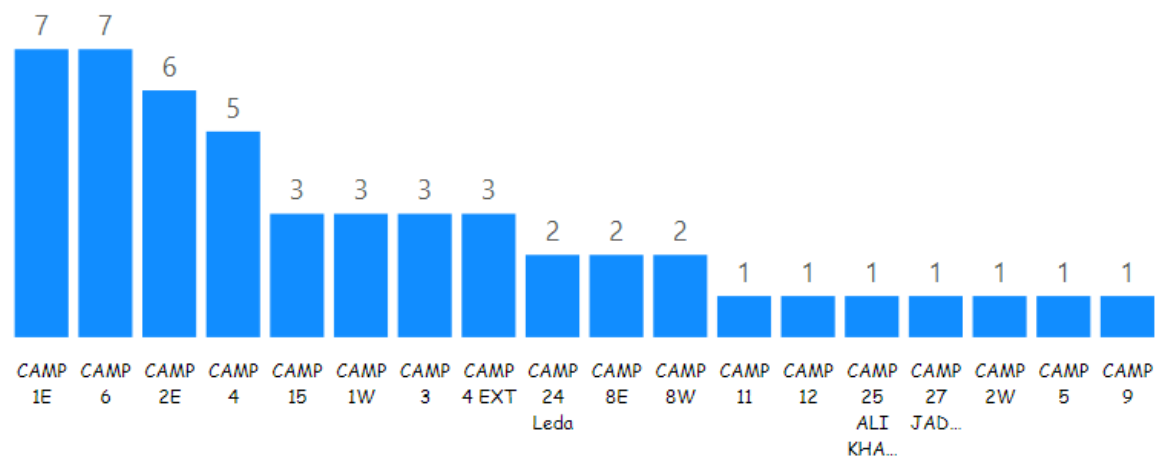
Gender distribution



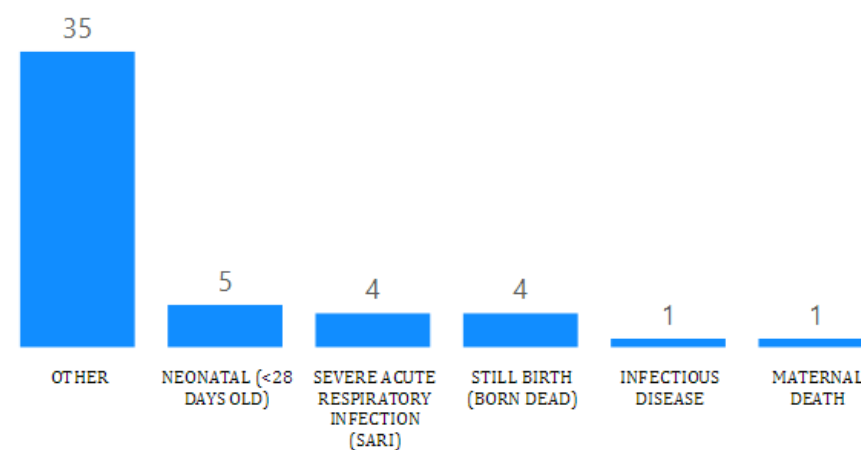
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W29 2022



Ministry of Health and Family
Welfare Bangladesh



World Health
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HEALTH SECTOR
COX'S BAZAR



Printed: 09:27 Thursday, 28 July 2022 UTC

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Sources of data

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

Highlights W29 2022

Table 1 | Coverage

#	%	
918,841	-	Estimated total Rohingya population ¹
0	0%	Total population under surveillance
175	-	Total number of health facilities
168	96%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

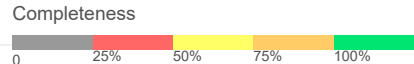
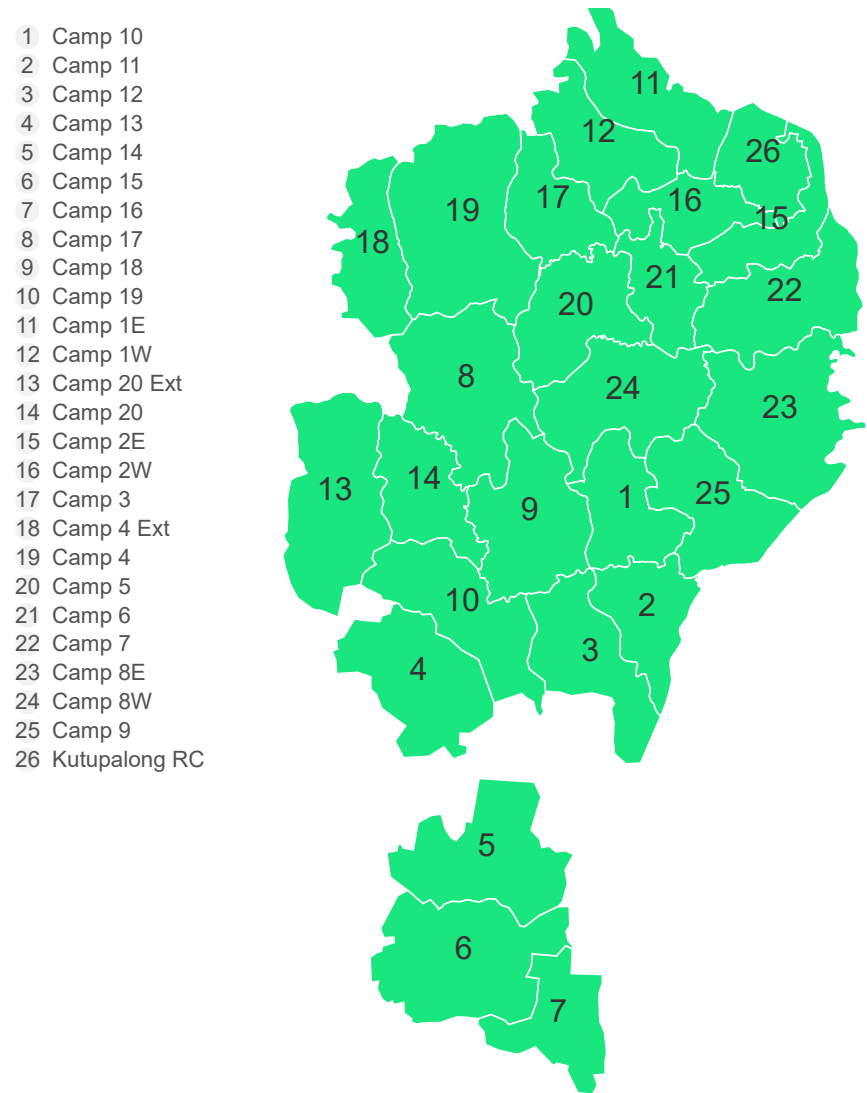
W29	Cumulative (2022)	
135	4760	Number of weekly reports received
88%	92%	Completeness
88%	90%	Timeliness

Table 3 Alert performance indicators

W29	Cumulative (2022)	
144	2,470	Total alerts raised
0%	77%	% 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 2021.

Map 1a | Ukhia completeness by camp



Map 1b | Teknaf completeness by camp

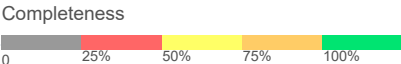
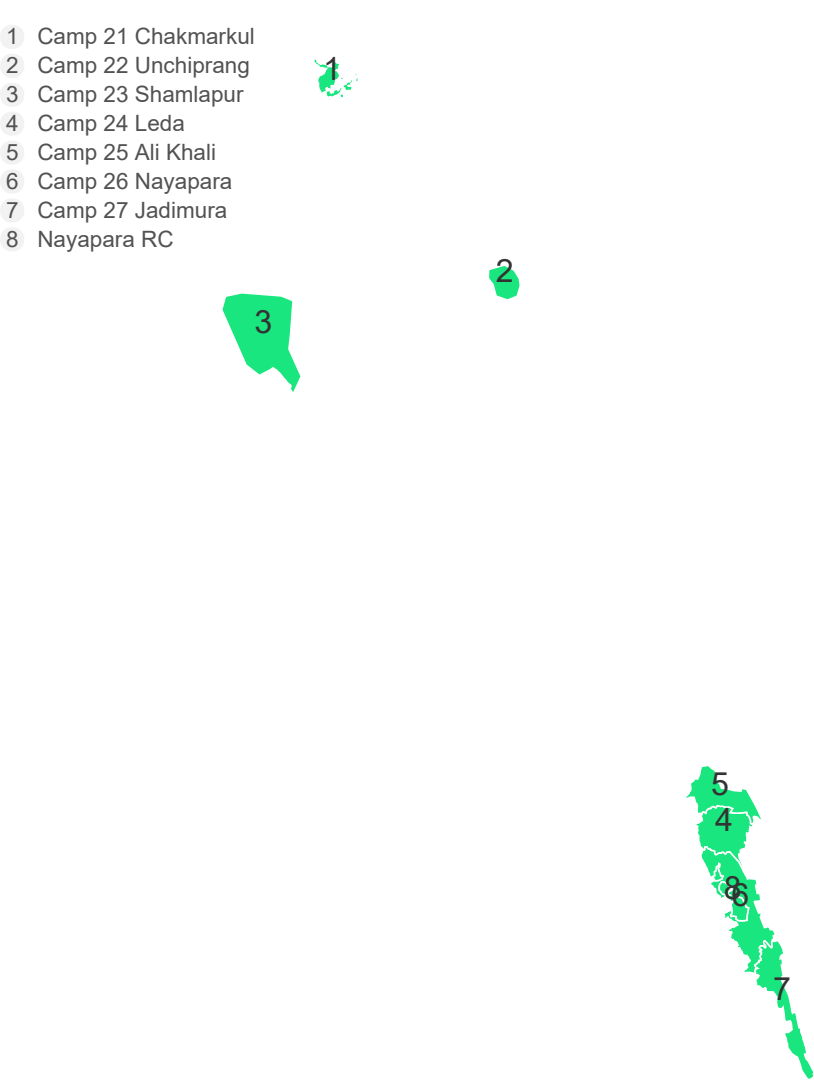
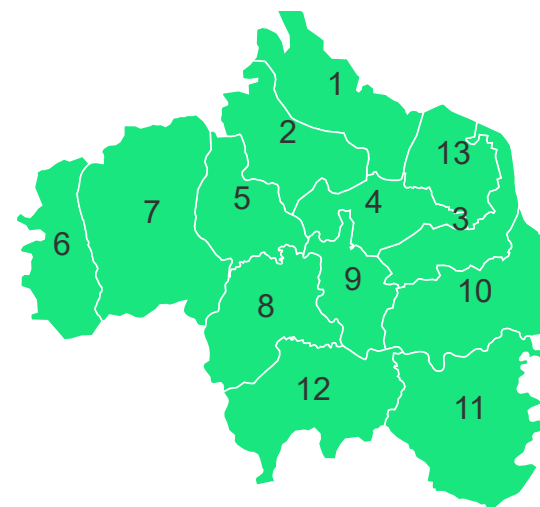


Table 4 | Performance by camp (W29 2022)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	3	3	133%	0%
Camp 1W	5	4	80%	0%
Camp 2E	3	3	100%	0%
Camp 2W	3	4	100%	0%
Camp 3	5	4	100%	0%
Camp 4	5	3	80%	0%
Camp 4 Ext	1	1	100%	0%
Camp 5	5	5	100%	0%
Camp 6	3	2	67%	0%
Camp 7	6	5	50%	0%
Camp 8E	8	8	88%	0%
Camp 8W	4	3	100%	0%
Kutupalong RC	2	2	100%	0%

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



Completeness



Table 5 | Performance by camp (W29 2022)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	2	100%	0%
Camp 11	8	6	100%	0%
Camp 12	6	5	100%	0%
Camp 13	10	7	90%	0%
Camp 14	7	6	100%	0%
Camp 15	9	6	78%	11%
Camp 16	7	5	86%	0%
Camp 17	5	4	80%	0%
Camp 18	5	3	100%	0%
Camp 19	5	4	100%	0%
Camp 20	4	4	75%	0%
Camp 20 Ext	3	3	100%	0%
Camp 9	6	5	83%	0%

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

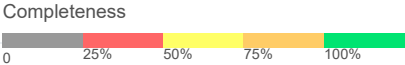
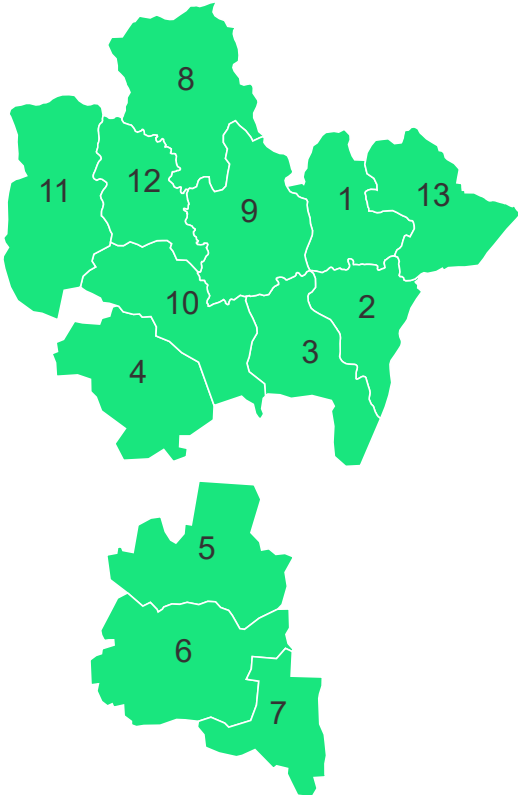


Table 6 | Performance by camp (W29 2022)

Teknaf	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Teknaf				
Camp 21 Chakmarkul	4	4	100%	0%
Camp 22 Unchiprang	5	3	60%	0%
Camp 23 Shamlapur	3	2	67%	0%
Camp 24 Leda	2	1	50%	0%
Camp 25 Ali Khali	3	3	67%	0%
Camp 26 Nayapara	5	3	100%	0%
Camp 27 Jadimura	2	2	100%	0%
Nayapara RC	2	2	100%	0%

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

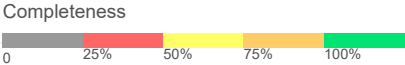
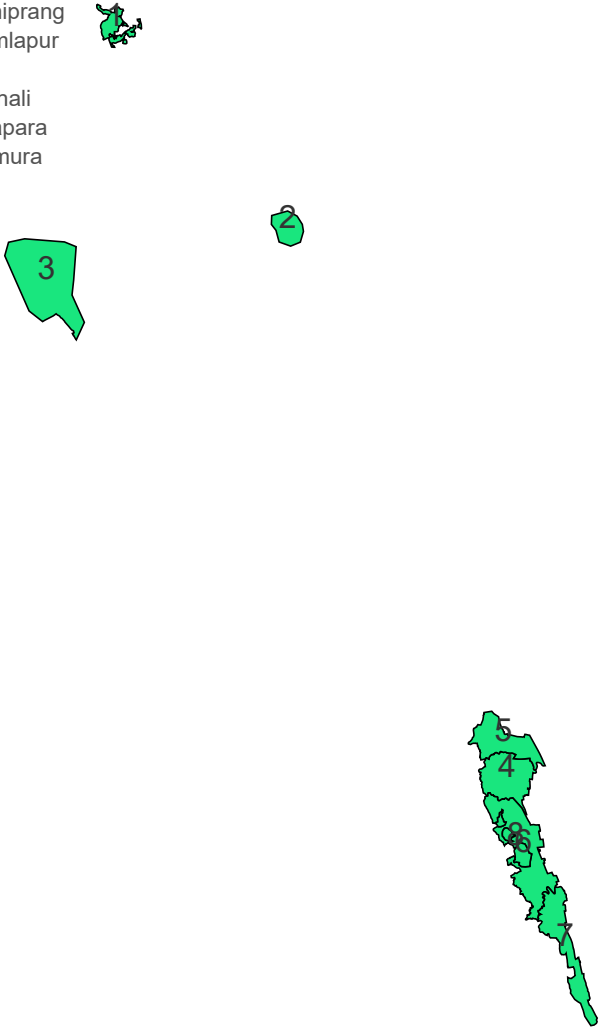


Table 7 | Performance by partner (W29 2022)

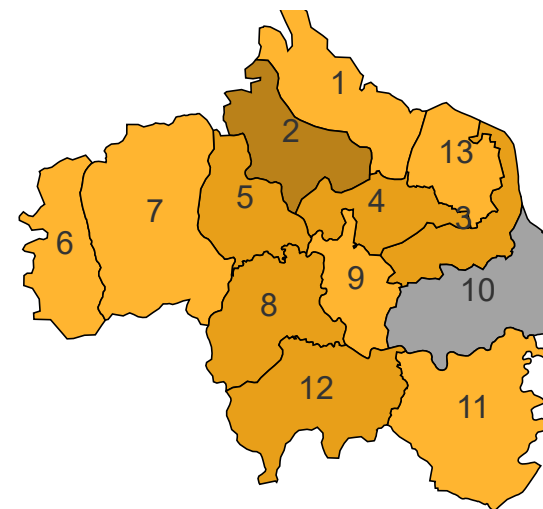
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	1	0	0%	0%	IRC	4	1	0%	0%
AWARD	7	7	100%	100%	MSF	9	6	0%	0%
BASHMAH	1	1	100%	100%	MoH	15	13	0%	0%
BDRCS	11	11	100%	100%	MHI	0	0		
BRAC	0	11	100%	100%	Medair	0	0		
CARE	4	4	100%	100%	FH/MTI	4	4	0%	0%
DAM	0	0			PRANTIC	1	0	0%	0%
DBC	1	1	100%	100%	PULSE	1	1	100%	100%
DSK	1	0	0%	0%	QC	1	1	100%	100%
DCHT-PWJ	1	1	100%	100%	PHD	10	10	0%	0%
FRNDS	6	1	0%	0%	RPN	2	2	100%	100%
GK	10	11	0%	0%	RHU	3	3	100%	0%
Global One	1	0	0%	0%	RI	3	3	0%	0%
GUSS	1	1	100%	100%	RTMI	9	8	0%	0%
HAEFA	2	2	100%	100%	SALT	1	1	100%	100%
HAIB	8	8	100%	100%	SCI	7	7	0%	0%
HMBDF	2	2	0%	0%	DCHT-MM	1	1	100%	100%
HOPE	1	1	100%	100%	Turkish Government	1	1	100%	100%
ICRC	1	2	200%	200%	TdH	2	2	0%	0%
IOM	20	20	0%	0%					

Table 8 | Performance by camp

Northern group	W29		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	5	0%	63	62%
Camp 1W	11	0%	138	82%
Camp 2E	7	14%	282	73%
Camp 2W	7	14%	75	77%
Camp 3	8	0%	120	79%
Camp 4	5	20%	108	81%
Camp 4 Ext	4	0%	34	76%
Camp 5	9	0%	91	70%
Camp 6	5	0%	72	88%
Camp 7	0	0%	40	95%
Camp 8E	3	0%	39	77%
Camp 8W	8	0%	123	75%
Kutupalong RC	5	0%	51	69%

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

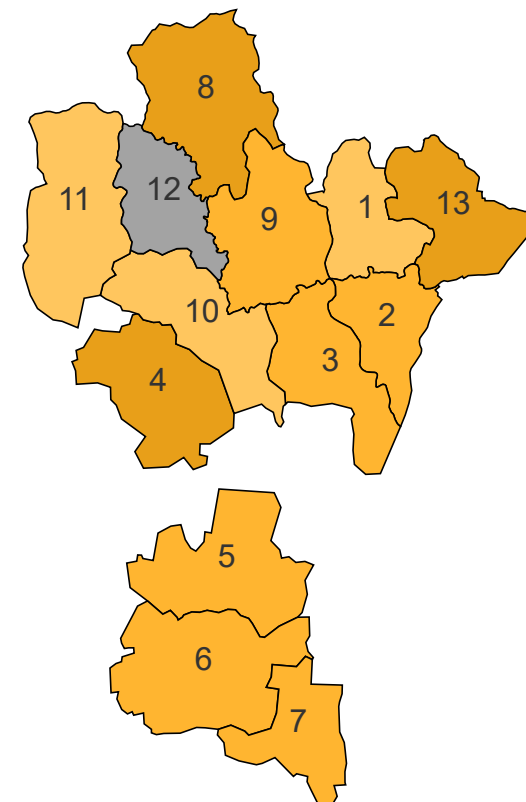


Table 9 | Performance by camp

Southern group	W29		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	2	0%	41	61%
Camp 11	5	0%	63	71%
Camp 12	5	0%	85	85%
Camp 13	8	0%	97	76%
Camp 14	3	0%	58	69%
Camp 15	3	0%	83	84%
Camp 16	3	0%	76	82%
Camp 17	7	0%	62	63%
Camp 18	4	0%	98	86%
Camp 19	1	0%	34	76%
Camp 20	0	0%	33	85%
Camp 20 Ext	1	0%	28	64%
Camp 9	7	0%	114	71%

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



of alerts



Table 10 | Performance by camp

Teknaf	W29		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	2	0%	33	88%
Camp 22 Unchiprang	3	0%	44	93%
Camp 23 Shamlapur	1	0%	15	87%
Camp 24 Leda	2	0%	59	85%
Camp 25 Ali Khali	1	0%	19	89%
Camp 26 Nayapara	5	0%	71	72%
Camp 27 Jadimura	2	0%	45	71%
Nayapara RC	1	0%	26	77%

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

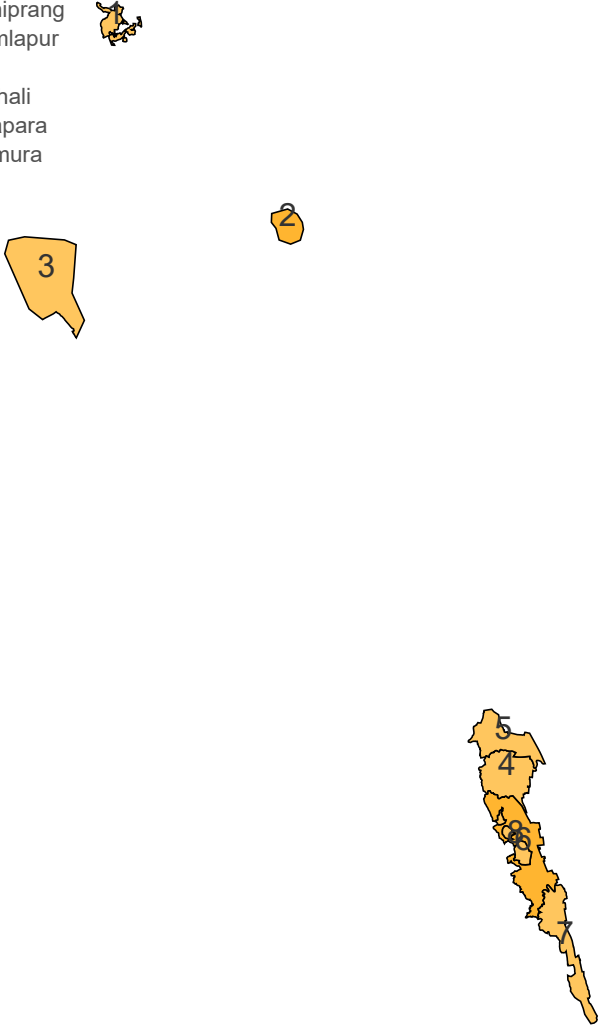


Table 11 | Performance by type of alert

Event	W29		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	3	67%
Measles	12	0%	321	84%
Bloody Diarr.	0	0%	0	0%
AFP	1	0%	19	89%
Meningitis	1	0%	15	73%
Haem. fever (susp.)	1	0%	12	75%
NNT	0	0%	3	100%
Unexp. fever	4	0%	96	80%
AWD	5	0%	151	89%
ARI	4	0%	132	89%
AJS	2	0%	59	56%
Varicella (Susp.)	0	0%	107	99%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	2	0%	150	87%

Table 12 | Risk assessment

W29	Cumulative (2022)	
0	7	Low risk
0	1	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 W29 2022



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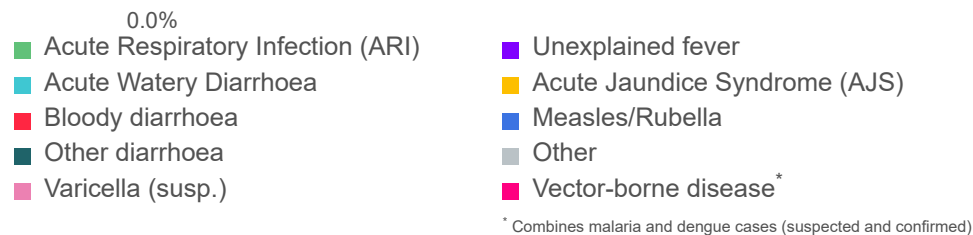
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Proportional morbidity

Figure 1 | Proportional morbidity (W29 2022)



Disease	W29		2022	
	# cases	% morbidity	# cases	% morbidity
AWD	1,470	2.6%	72,544	2.6%
Bloody diarr.	138	0.2%	10,272	0.4%
Other diarr.	683	1.2%	29,093	1.1%
Susp. Varicella	22	0.0%	8,551	0.3%
ARI	10,357	18.4%	486,292	17.6%
Measles/Rub.	16	0.0%	615	0.0%
AFP	1	0.0%	41	0.0%
Susp. menin.	4	0.0%	85	0.0%
AJS	23	0.0%	618	0.0%
Susp. HF	4	0.0%	26	0.0%
Neo. tetanus	0	0.0%	8	0.0%
Adult tetanus	0	0.0%	12	0.0%
Malaria (conf.)	5	0.0%	307	0.0%
Malaria (susp.)	686	1.2%	41,595	1.5%
Dengue (conf.)	821	1.5%	7,158	0.3%
Dengue (susp.)	489	0.9%	2,760	0.1%
Unexpl. fever	822	1.5%	33,125	1.2%
Sev. Malnut.	23	0.0%	1,099	0.0%
Inj./Wounds	1,403	2.5%	61,399	2.2%
Other	39,221	69.7%	2,006,319	72.5%
Total	55,414	100%	2,768,268	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W29)

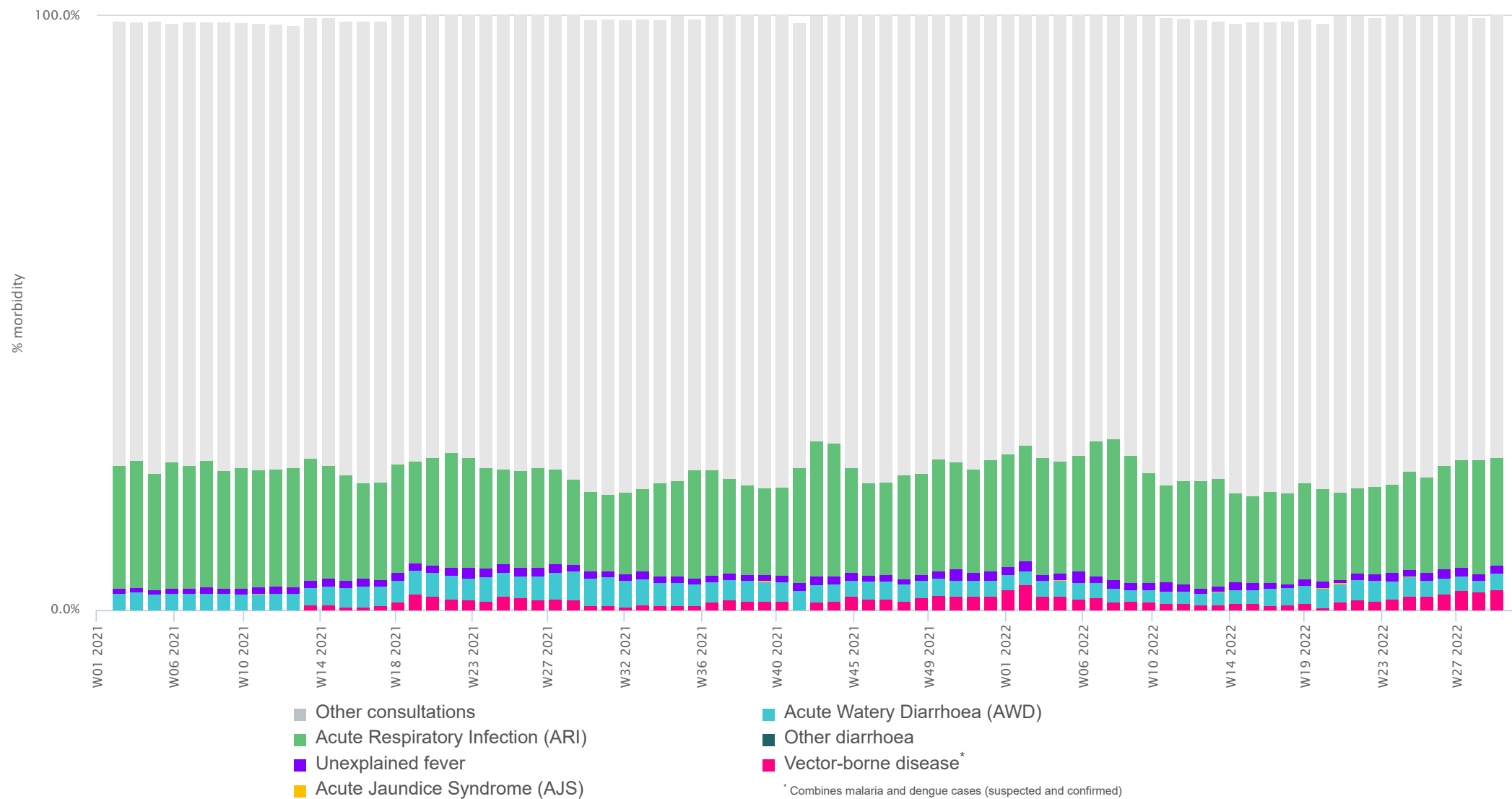
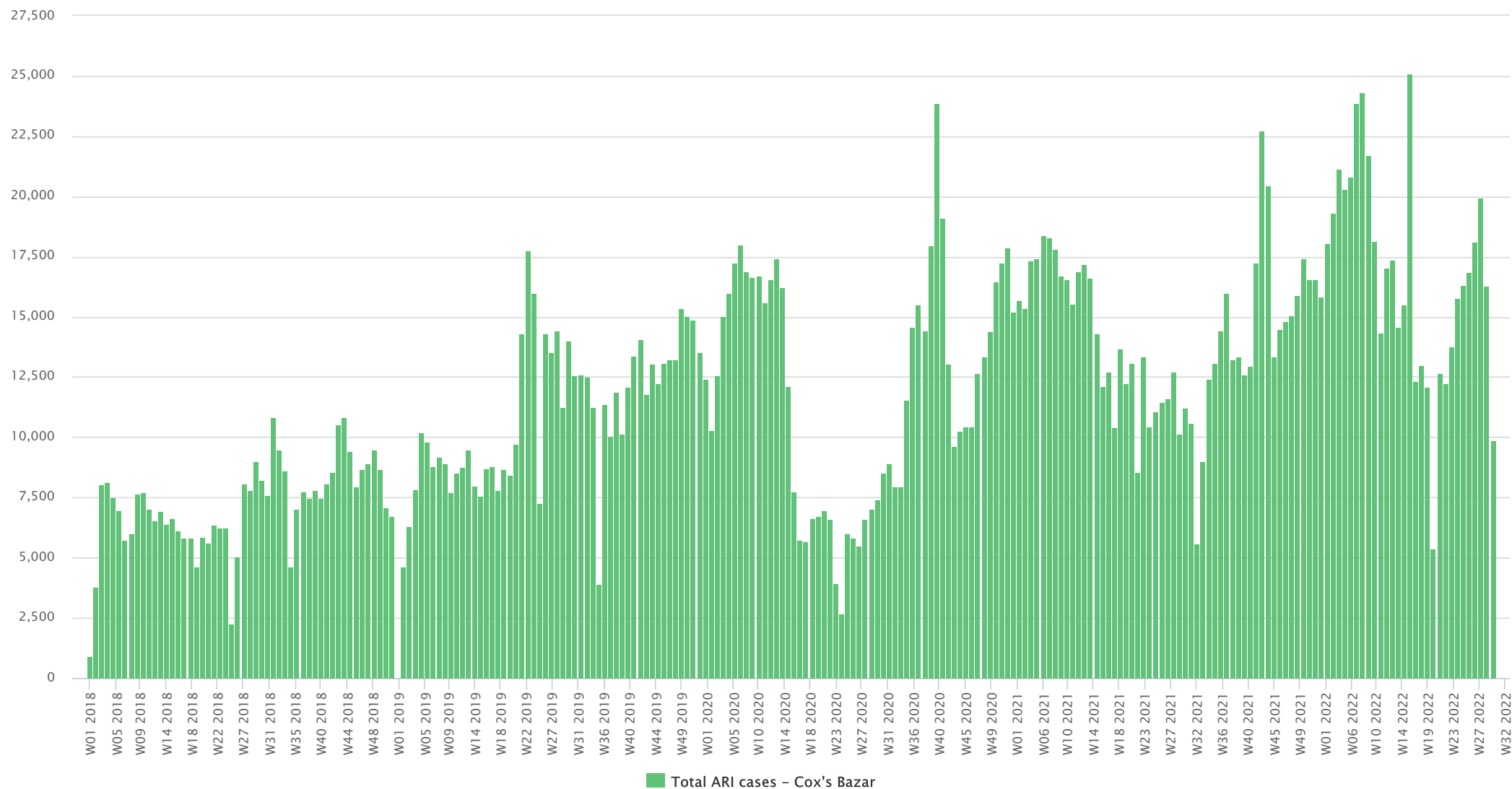
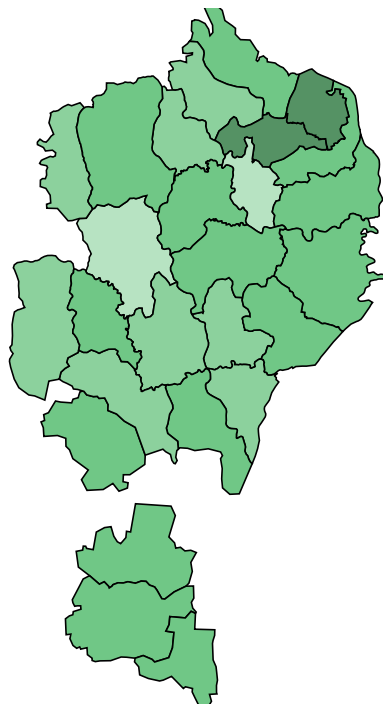


Figure 3 | Trend in number of cases over time (W38 2017 - W29 2022)

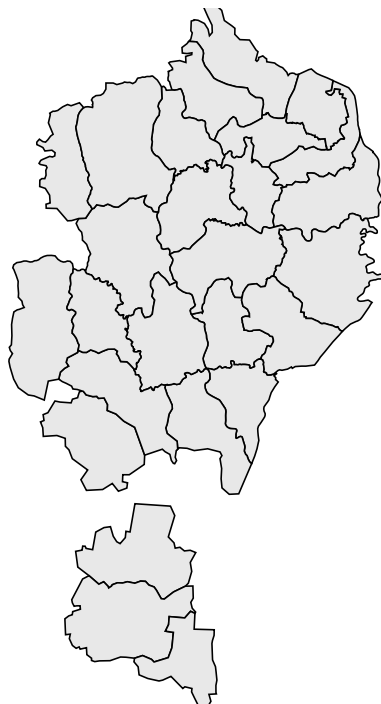


Map 1 | Map of cases by camp (W29 2022)

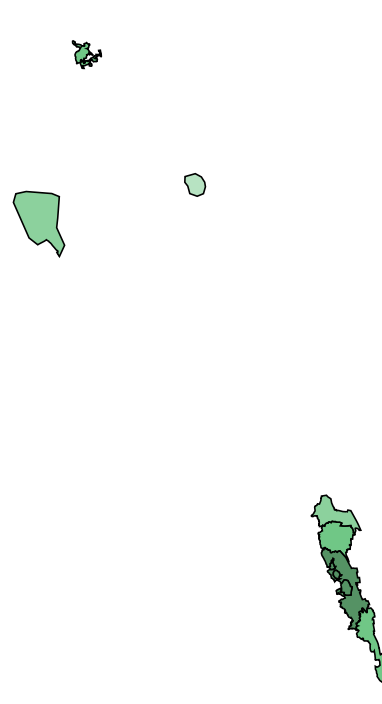
a. Ukhia | Number of cases



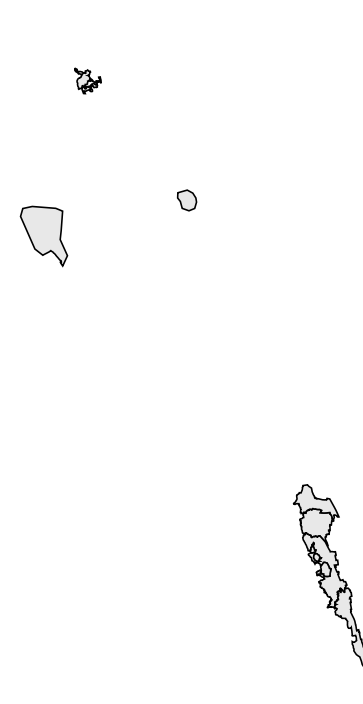
b. Ukhia | Number of alerts



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 (W29 2022)

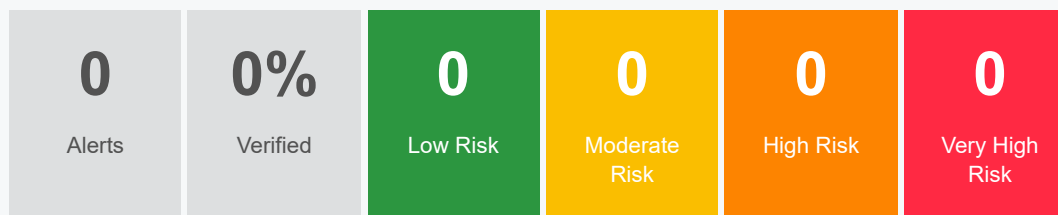
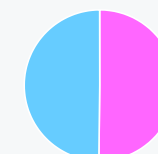
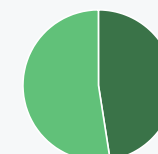


Figure | % sex



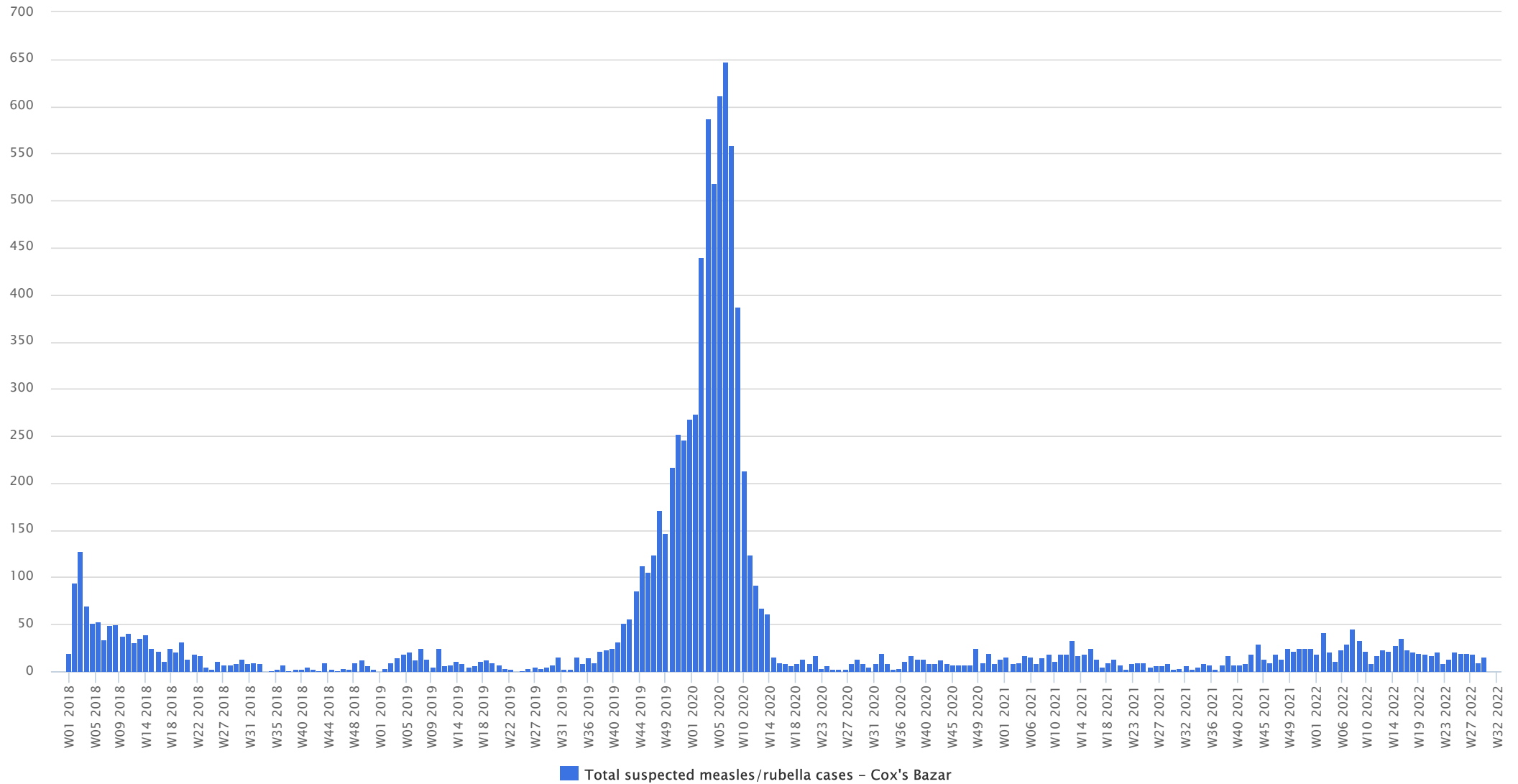
Female Male

Figure | % age



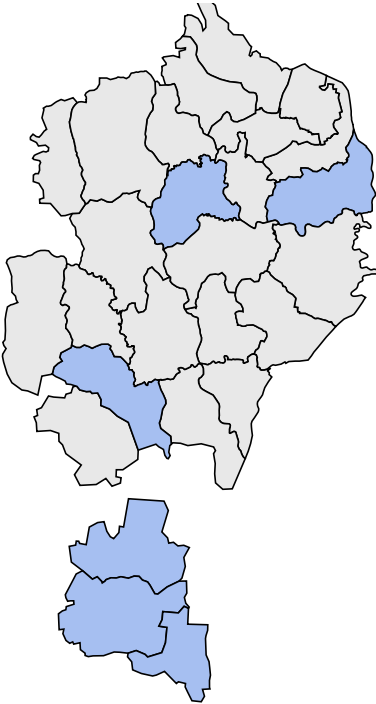
>=5 **< 5**

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W29 2022)



Map 2 | Map of cases by camp (W29 2022)

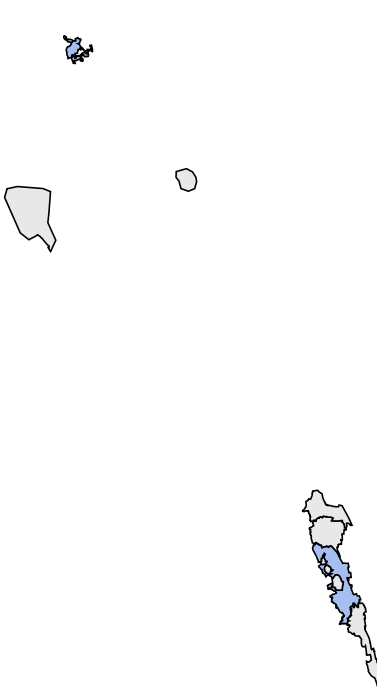
a. Ukhia | Number of cases



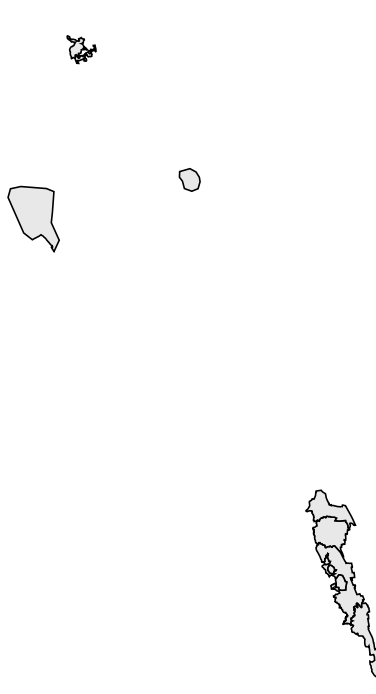
b. Ukhia | Number of alerts



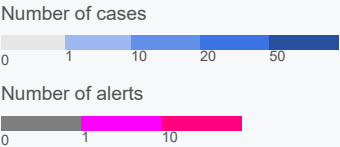
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W29 2022)

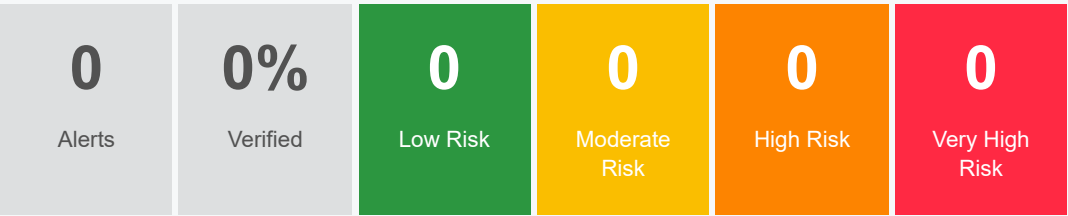


Figure | % sex

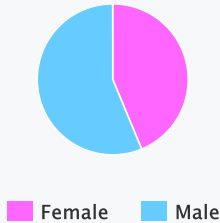


Figure | % age

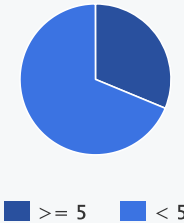
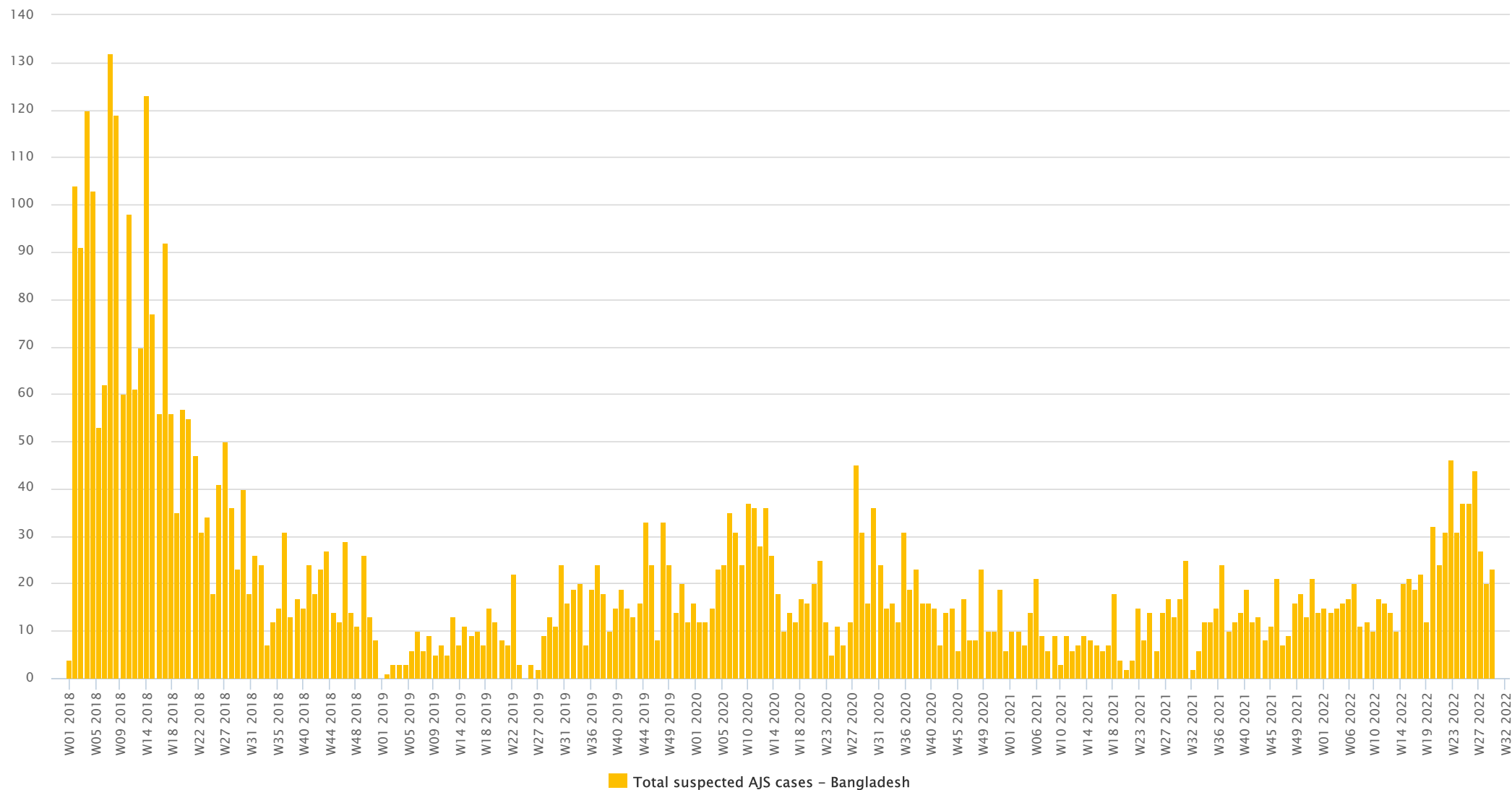
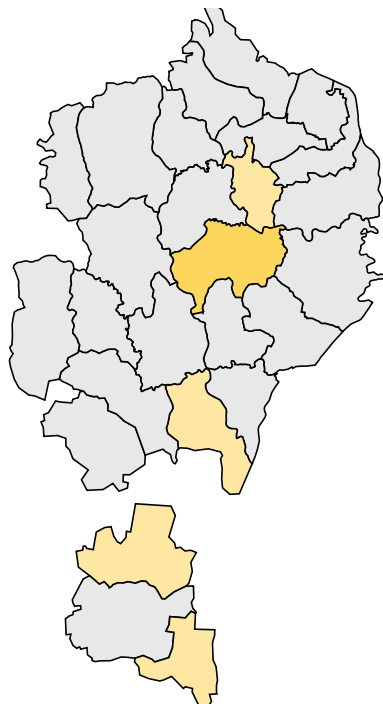


Figure 5 | Trend in number of cases over time (W38 2017 - W29 2022)

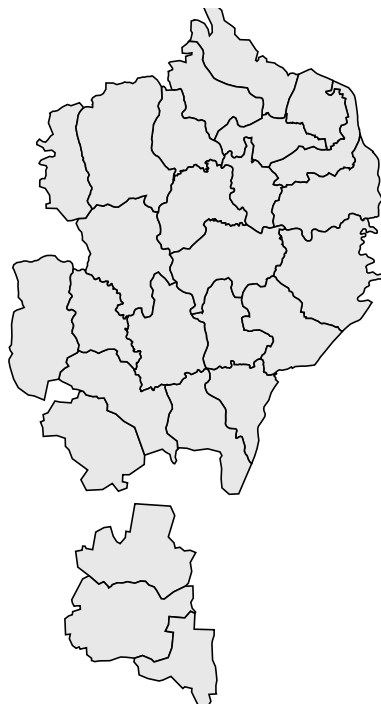


Map 3 | Map of cases by camp (W37 2017 - W29 2022)

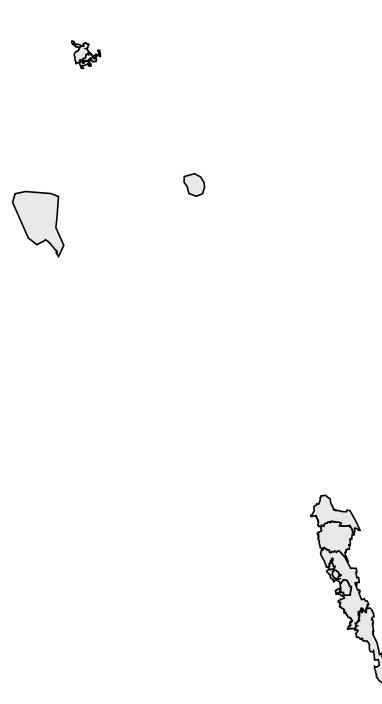
a. Ukhia | Number of cases



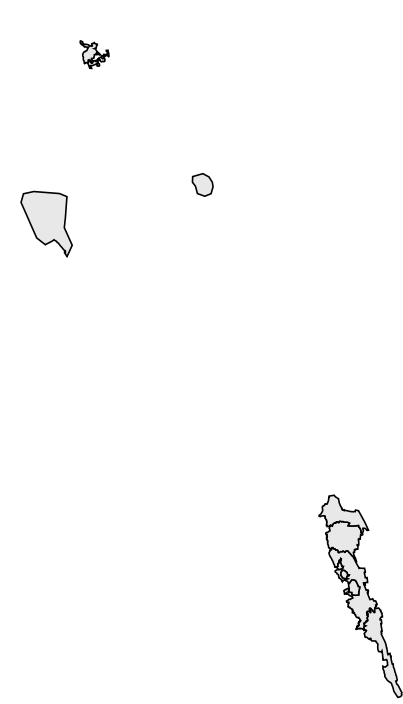
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

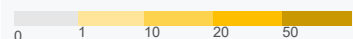


d. Teknaf | Number of alerts



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 (W29 2022)

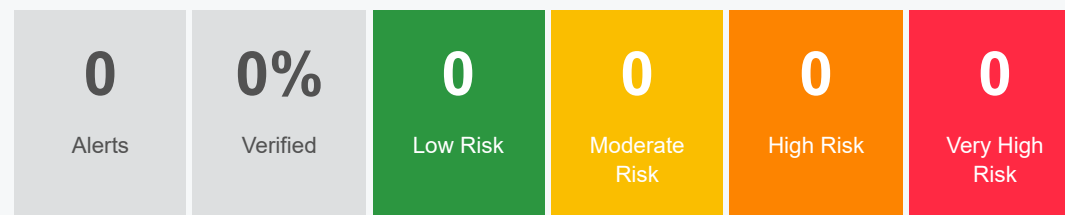
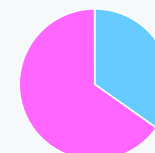
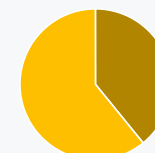


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W29 2022)

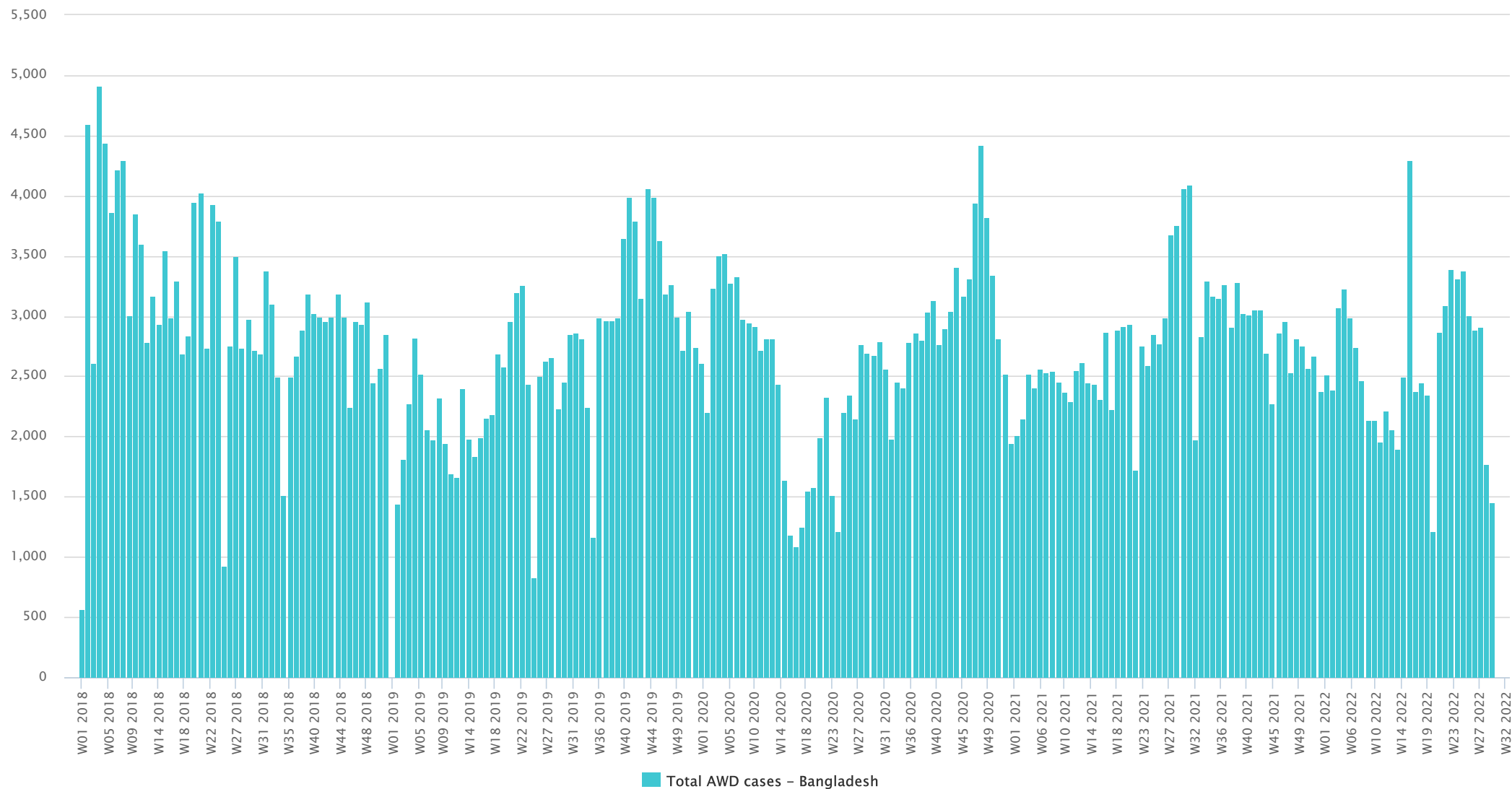
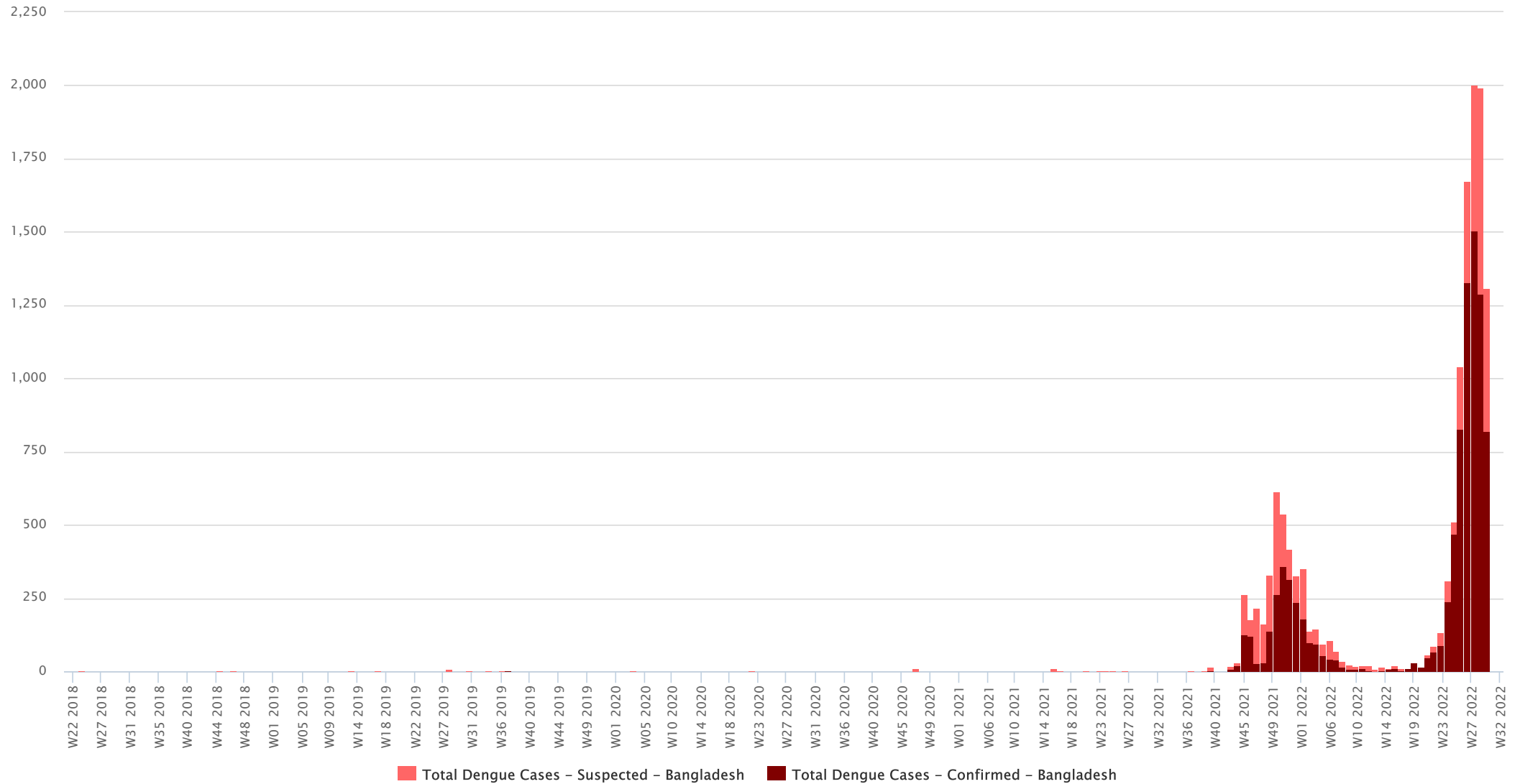
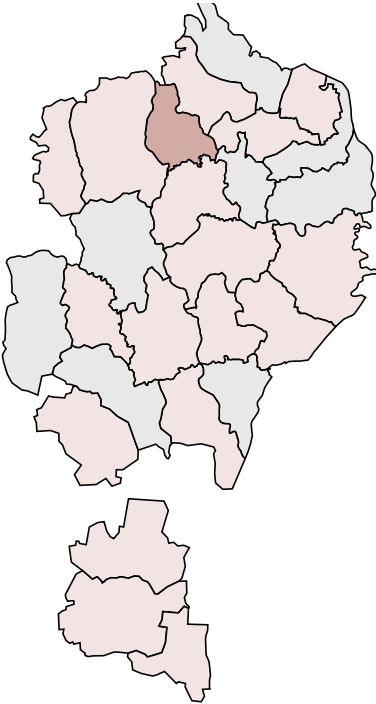


Figure 7 | Trend in number of cases over time (W38 2017 - W29 2022)

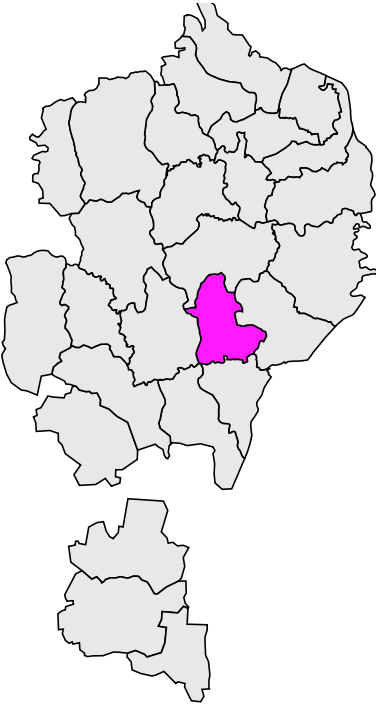


Map 4 | Map of cases by camp (W37 2017 - W29 2022)

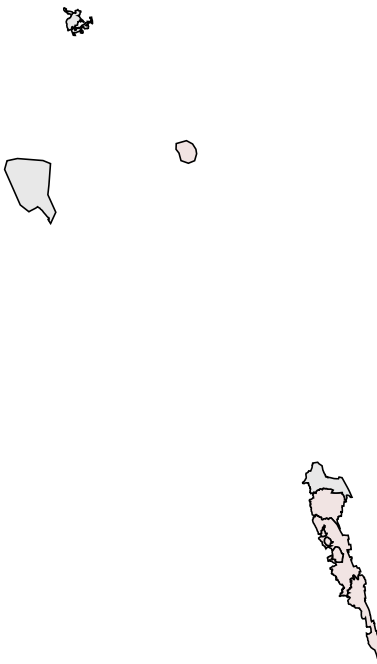
a. Ukhia | Number of cases



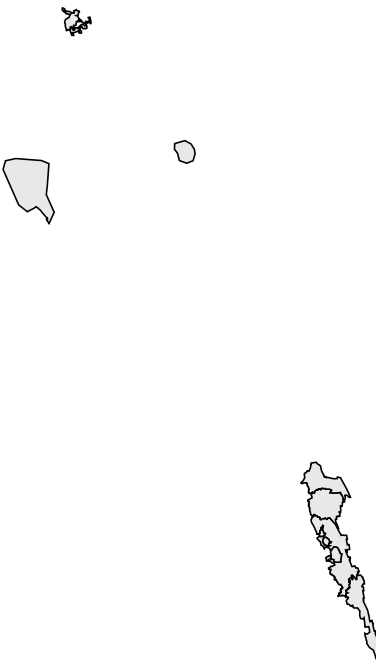
b. Ukhia | Number of alerts



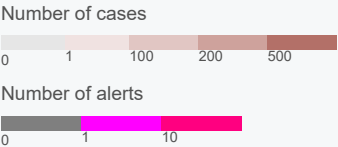
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W29 2022)

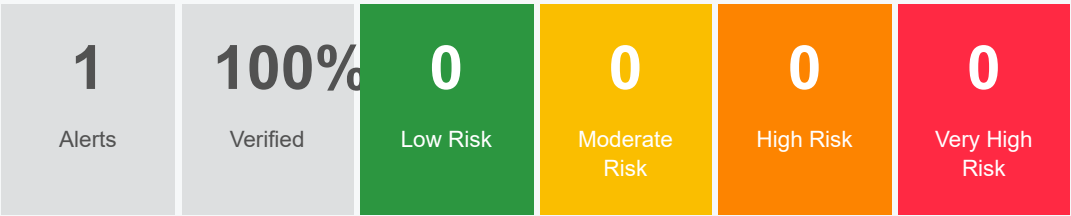


Figure | % sex

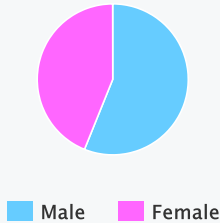


Figure | % age

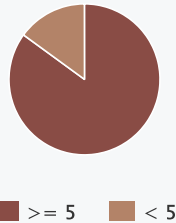
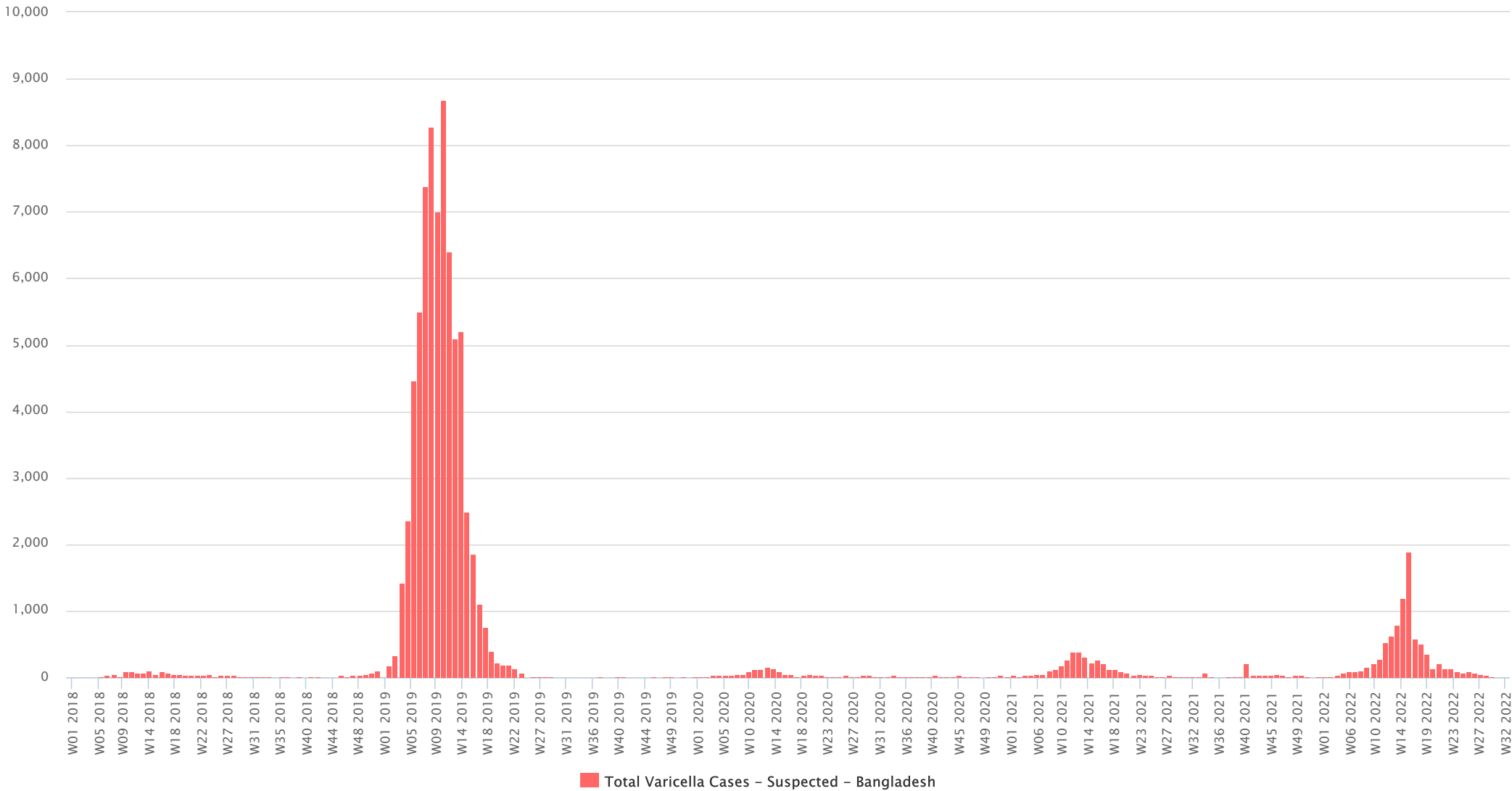
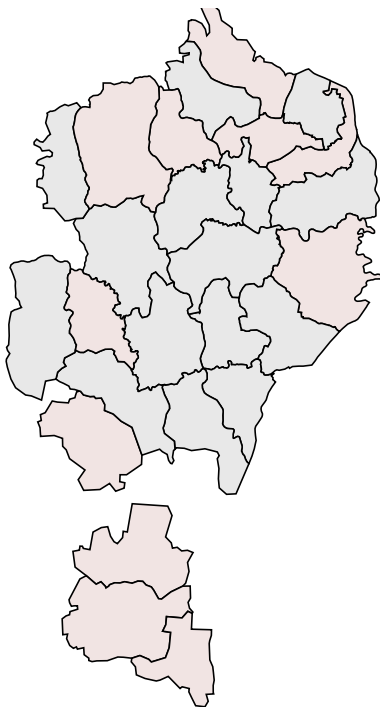


Figure 7 | Trend in number of cases over time (W38 2017 - W29 2022)

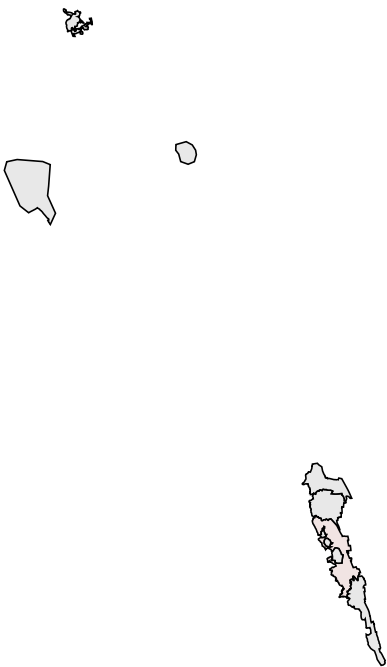


Map 4 | Map of cases by camp (W37 2017 - W29 2022)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

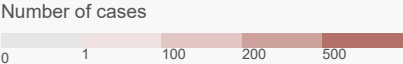


Figure | % sex

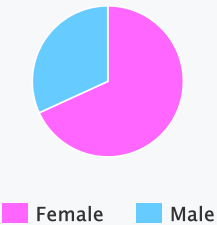
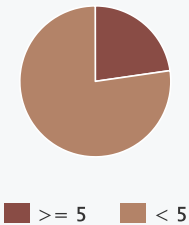


Figure | % age



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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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