



Epidemiological Highlights

Week 30 (17-23 July) 2022



World Health
Organization

Highlights: COVID-19

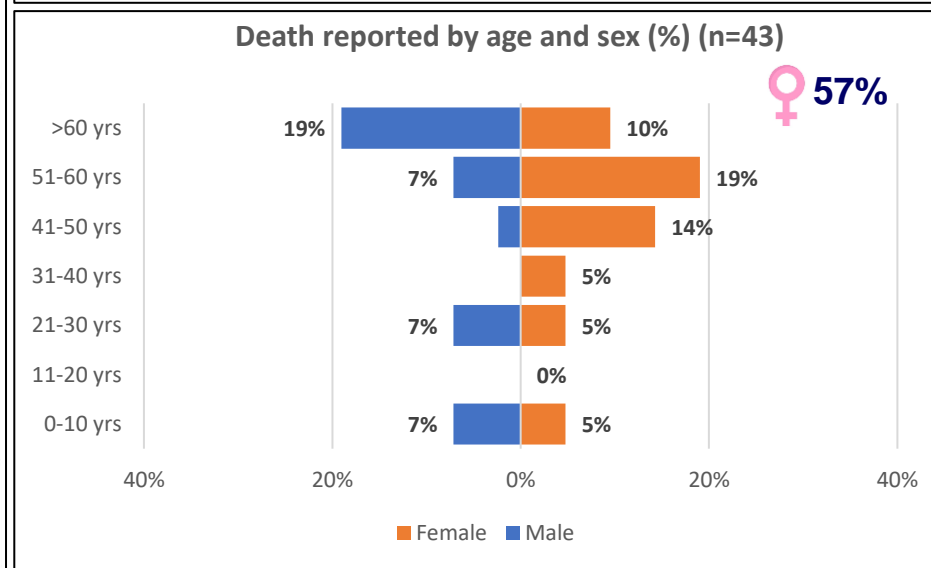
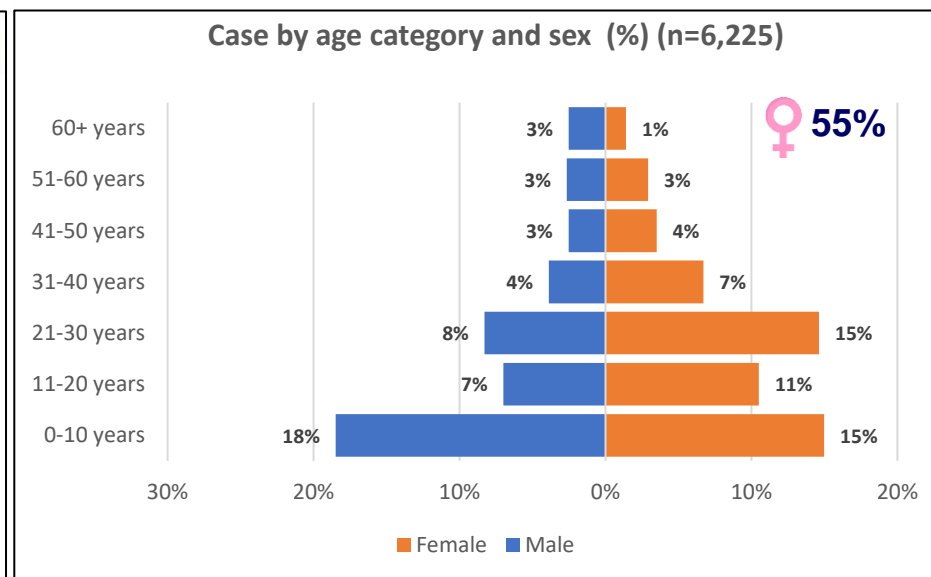
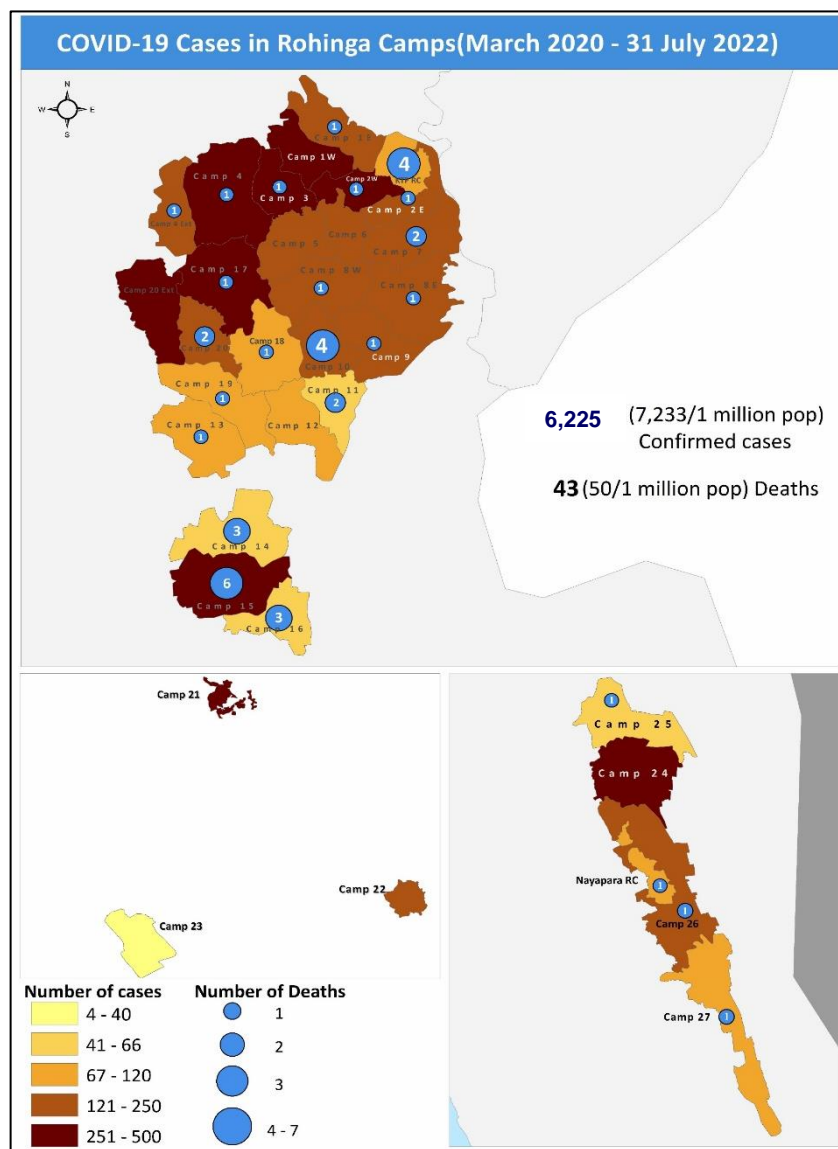
As of week 30, 2022 there were **6,225 confirmed cases** of COVID-19 (SARS-CoV-2), out of 107,344 **samples** that had been submitted for testing. The **Total Positivity Rate (TPR)** now stands at **5.8%**

In the reporting week, again 82 new confirmed case was detected out of 561 total samples tested. This translated to a 14.6% TPR which is higher than that of the previous week.

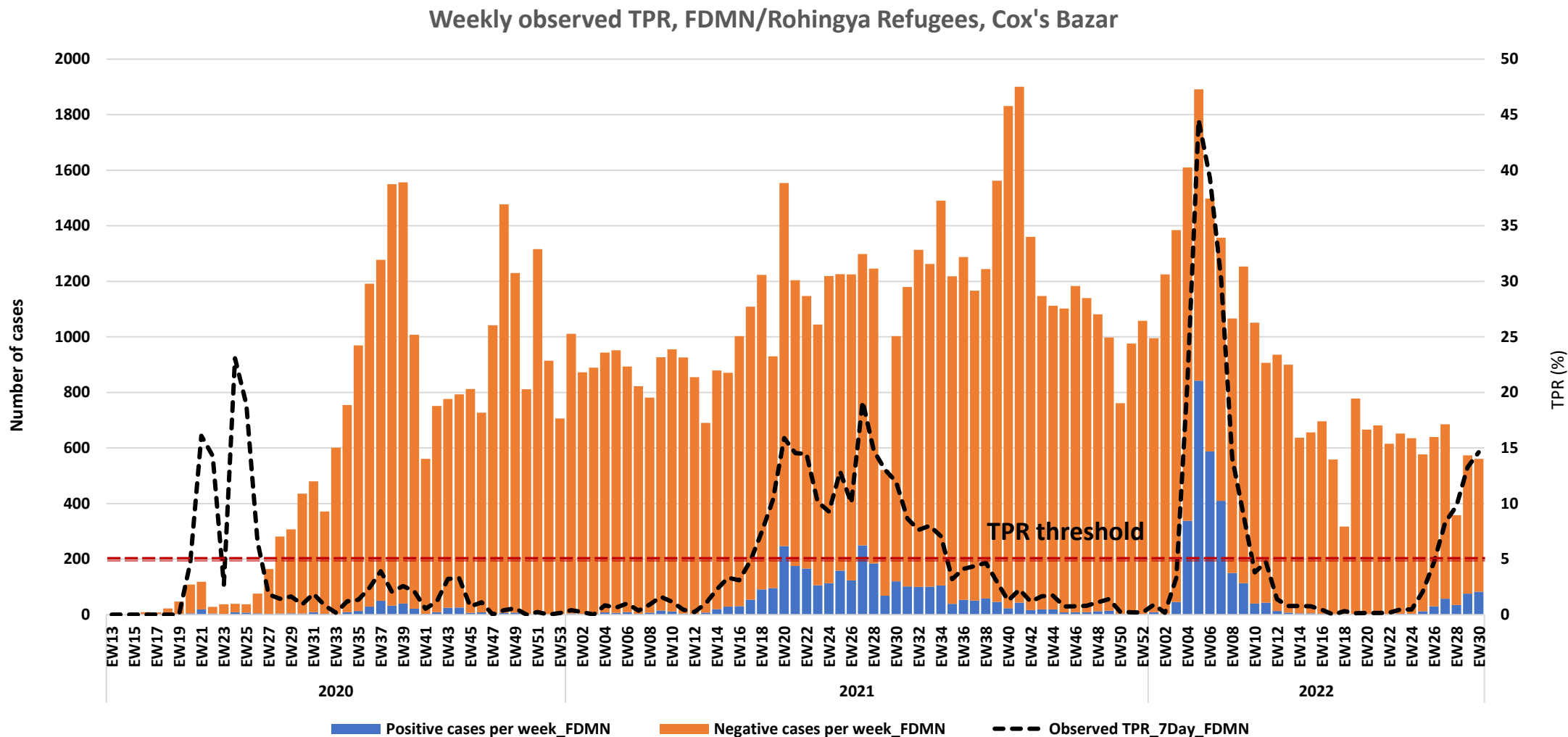
As of this week (week 30)

- **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; C24-456, C17-421, C2W-400, C4-376, and C3-340
- 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 95.4 cases/1 million population in this Epi week which is higher than that of the previous week.

Highlights: COVID-19



Highlights: COVID-19



EWARS Reporting Updates

- Currently, a total of 168 health facilities are registered in EWARS
 - Only 135/168 weekly reports were received on time in week 30
 - Timeliness of reporting for this week was 88%
 - One thirty-five (135) alerts were triggered
 - All alerts were reviewed and verified by the WHO EWARS team; this was less than the previous week (144 alerts in week 29, 2022).

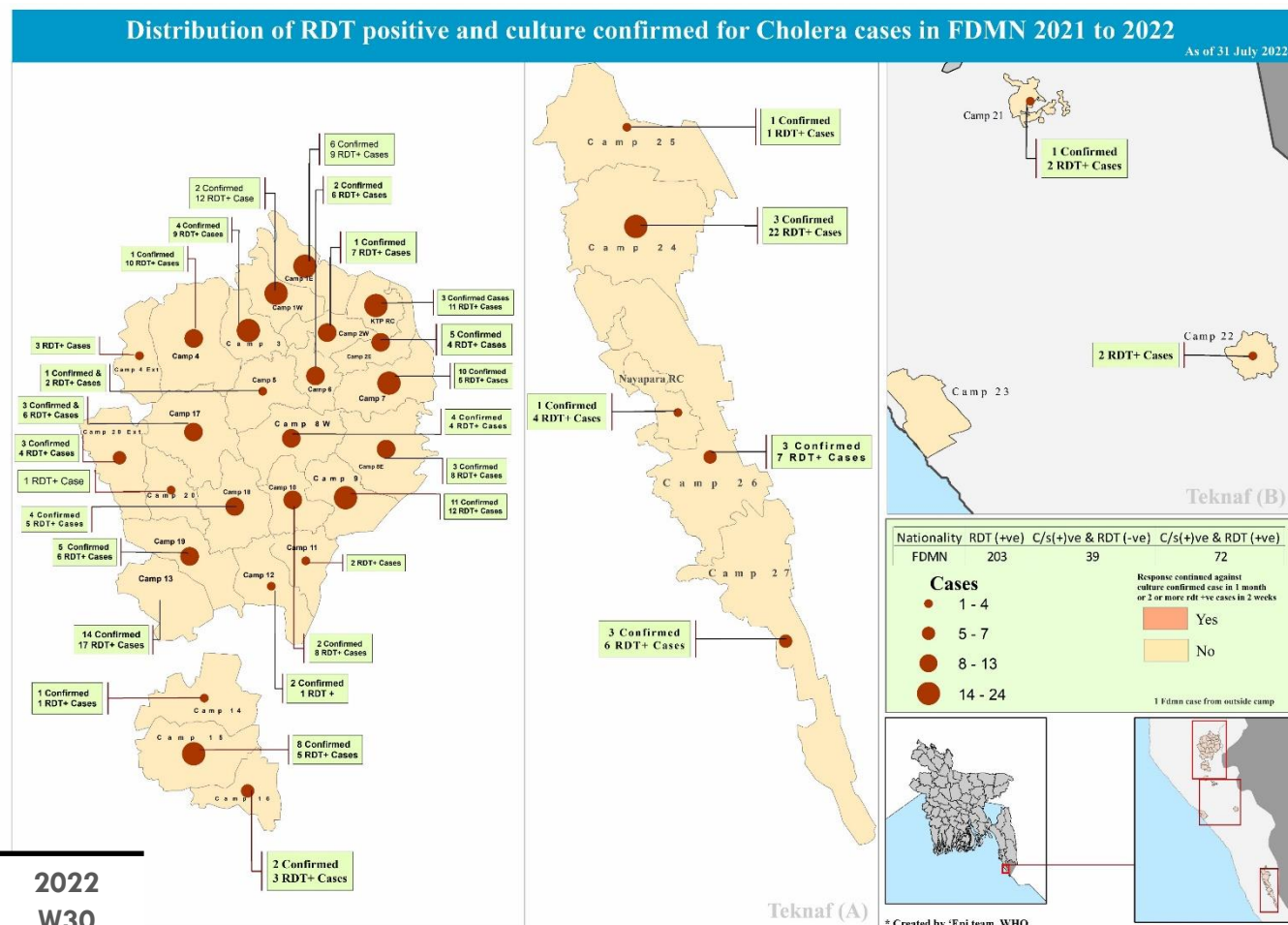
Highlights: Morbidities and Mortalities

- Acute Respiratory Infections (16.5%), Diarrheal Diseases (4.0%) & injury, and wounds (2.5%) were the diseases and health conditions with the highest proportional morbidity in week 30.
- Monitoring of suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
- This Epi week, four (4) new SARI death was reported as highlighted below:

Year	Suspected SARI death reported	Reclassified as death due to probable COVID-19
2022	79	6
2021	96	15
2020	49	2

Cholera/AWD Surveillance Updates

- In this week, there is three (3) new RDT-positive case was reported, among samples sent for testing.
- In 2022 total of eighty-seven (87) RDT-confirmed cholera cases were reported as of W30 2022. Of these 14 were positive for culture, and 73 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 W30
RDT positive/culture confirmed for Cholera	49	258	28	357	87
Culture confirmed for Cholera	7	184	5	136	14

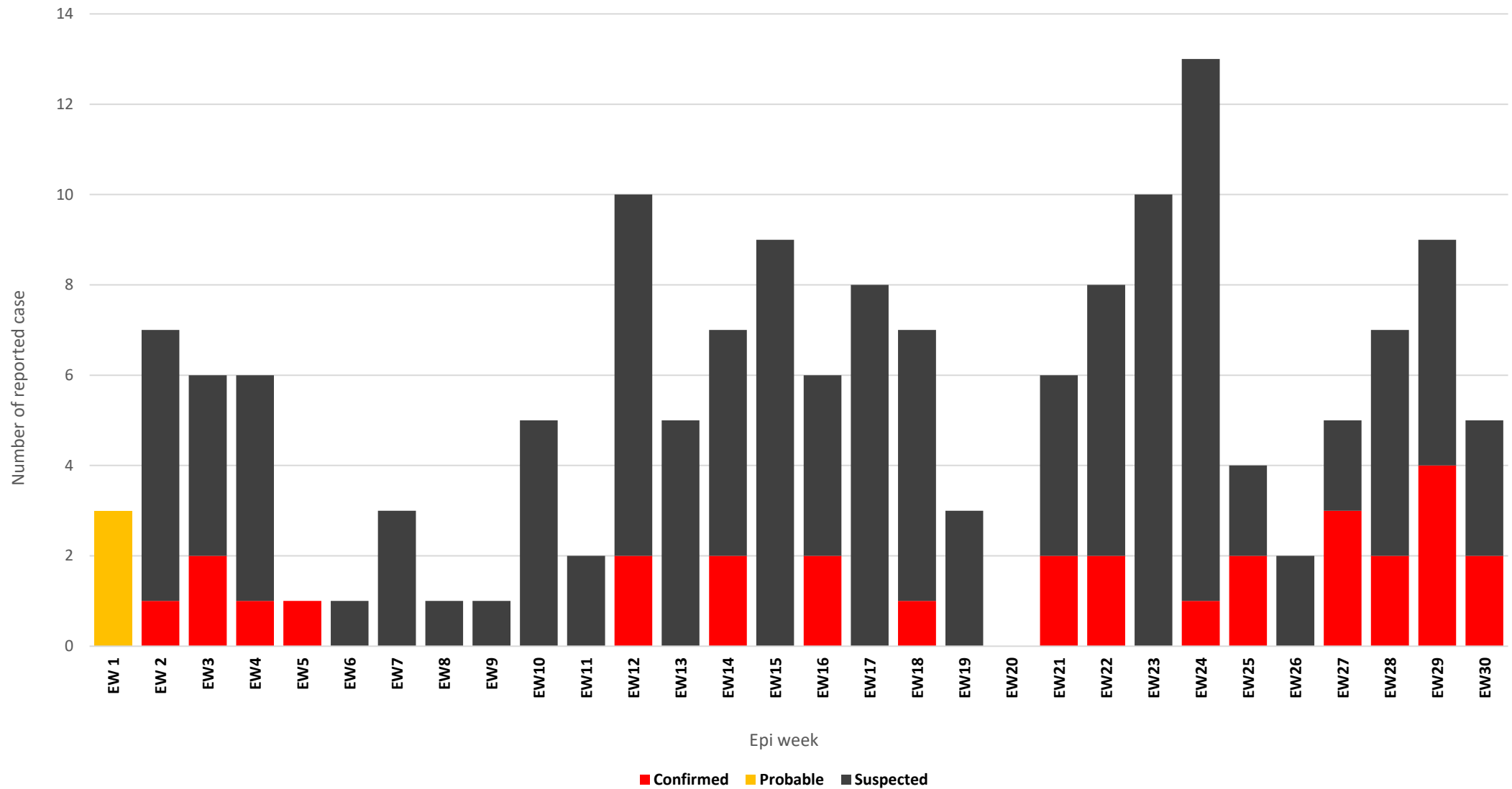
Diphtheria Surveillance Updates

- Two (2) confirmed and 3 suspected diphtheria cases were reported in go.data in this Epi week 30
- The last confirmed case was reported on 19 July 2022
- In total 53 deaths have so far been reported since 2017, with the last death reported on 25 April 2022

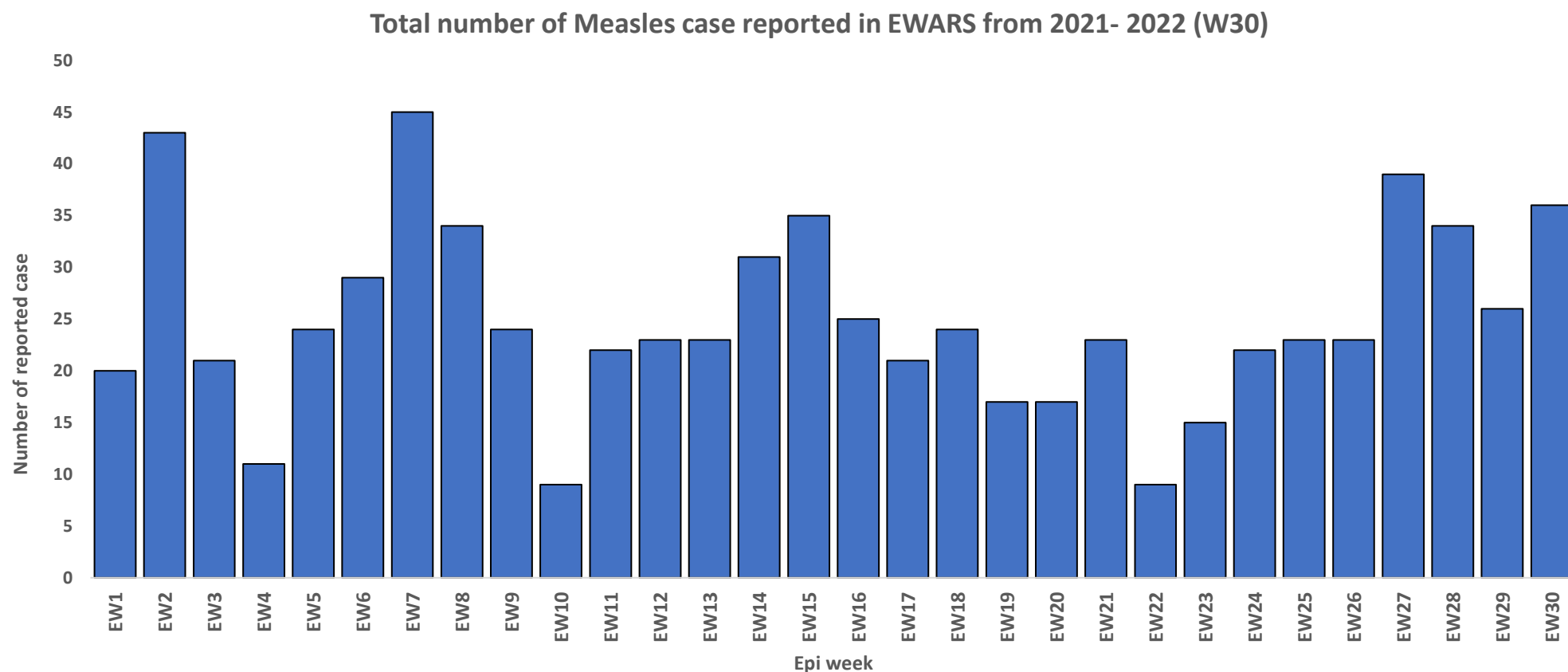
Classification	2017	2018	2019	2020	2021	2022
Confirmed	66	226	31	19	30	30
Probable	1154	1555	60	9	29	3
Suspected	1796	3549	523	198	118	127
Death	30	14	3	0	5	1

Trends of Diphtheria cases

Total number of diphtheria case reported in EWARS from week 1-30, 2022



Epi Curve of Suspected Measles Cases



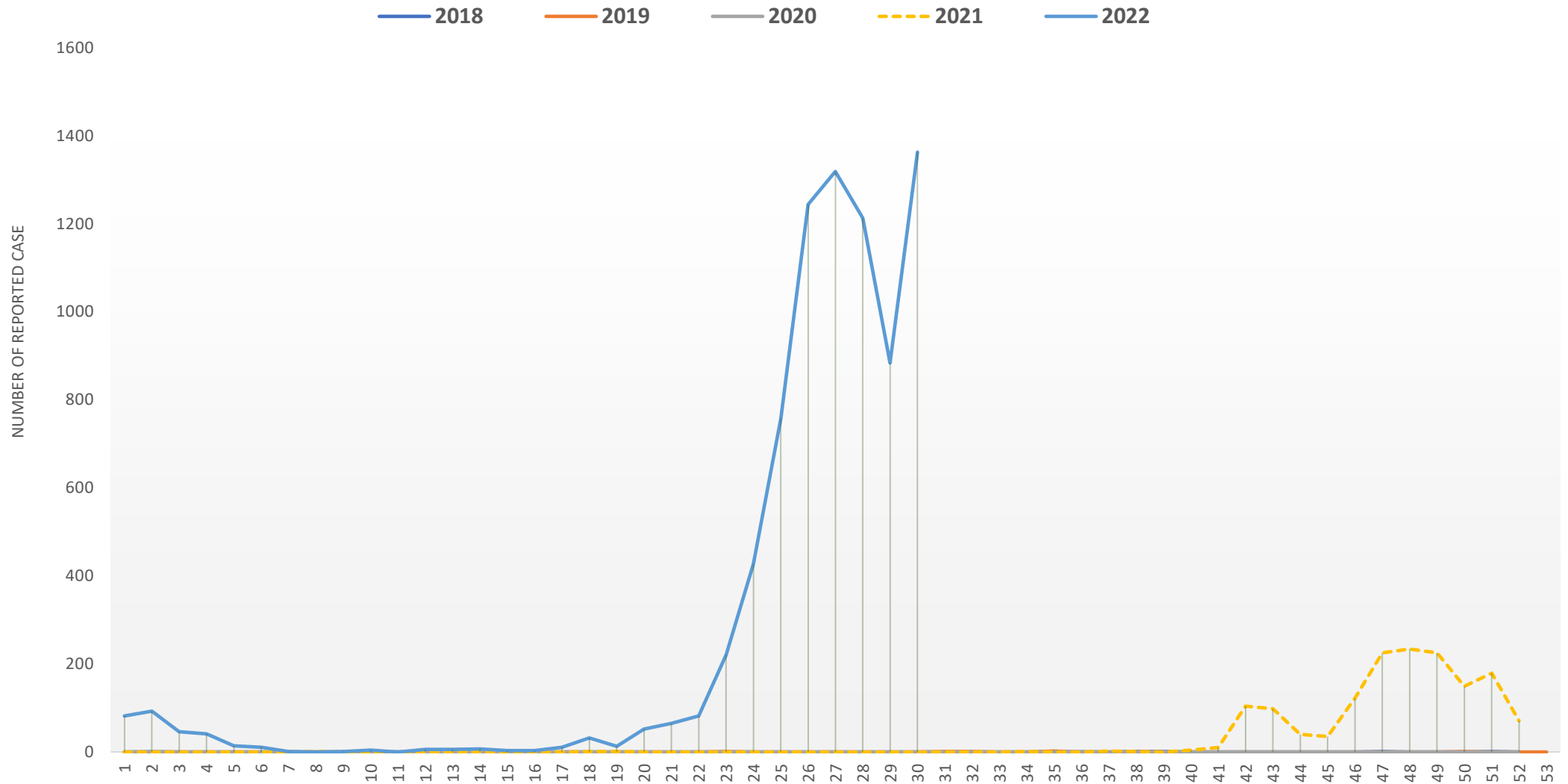
- > In week 30, 36 suspected measles cases were reported through weekly reporting. This brings the total number of suspected measles cases to 748 reported in 2022
- > About 53% (394/748) of the total suspected measles cases were reported through case-based reporting and samples collected for laboratory confirmation

Dengue Surveillance Updates

Year	Month/Epi Week	Confirmed case	Death	Confirmed case (cumulative)	Death (cumulative)
2022	Jan (Ew1-5)	276	0	276	0
	Feb (Ew6-9)	13	0	289	0
	March (Ew10-14)	23	0	312	0
	April (Ew15-18)	49	0	361	0
	May (Ew19-22)	212	0	573	0
	June (Ew23-27)	3,969	2	4,542	2
	July (as of 23 July)	3,460	6	8,002	8

Dengue Surveillance Updates

Yearly Trends of Dengue case trend from 2018 - Epi Week 30, 2022



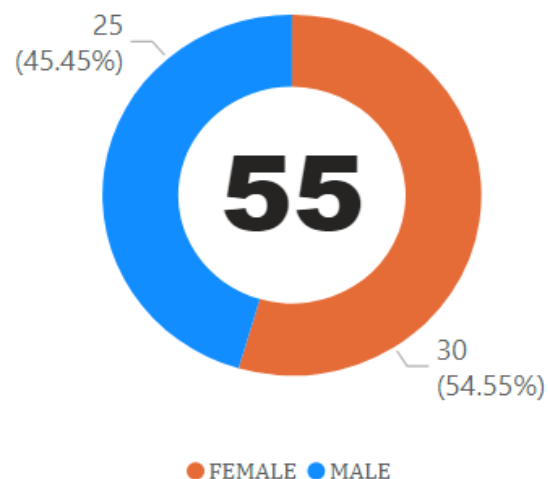
Community-based Mortality surveillance updates Epi week 30

Probable causes of death	Epi week 30	In 2022
Still Birth	5 (9%)	112 (10%)
Neonatal Death (<28 days old)	6 (11%)	102 (10%)
Infectious Disease	1 (2%)	28 (3%)
Severe Acute Respiratory Infection (SARI)	3 (5%)	29 (2%)
Injury	--	29 (3%)
Maternal Death	1 (2%)	29 (3%)
Acute Malnutrition	--	1 (0%)
Other	39 (71%)	738 (69%)
Total	55 (100%)	1,068 (100%)

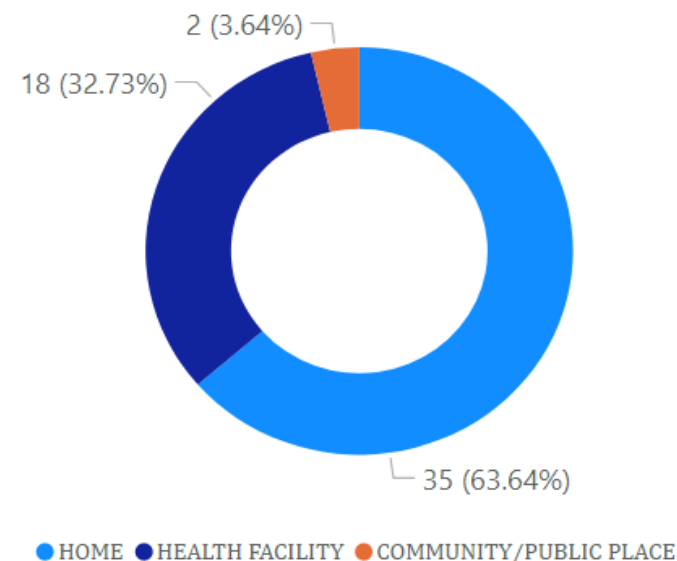
Partners to report all mortalities into the EWARS platform using both case and event-based reporting as applicable

Community-based Mortality surveillance updates Epi week 30

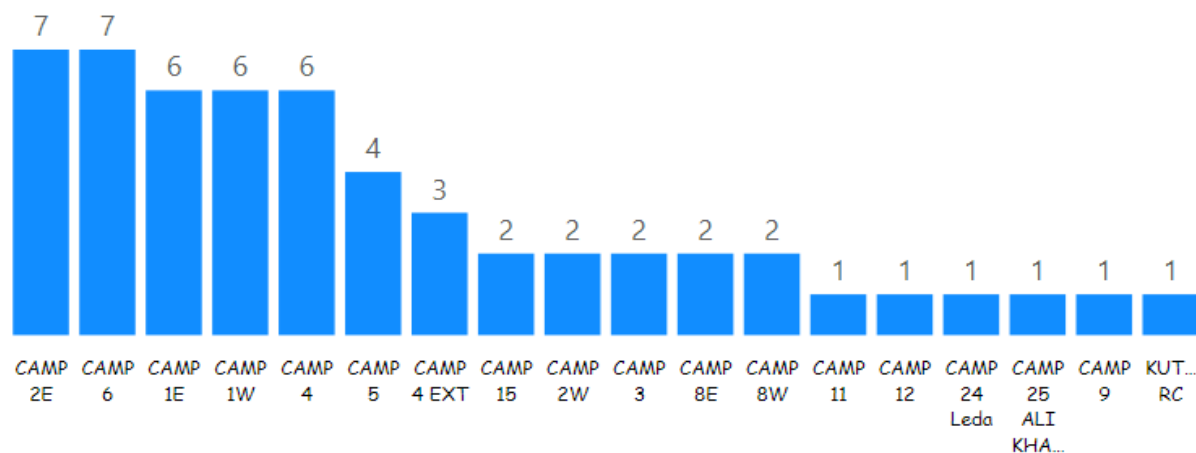
Gender distribution



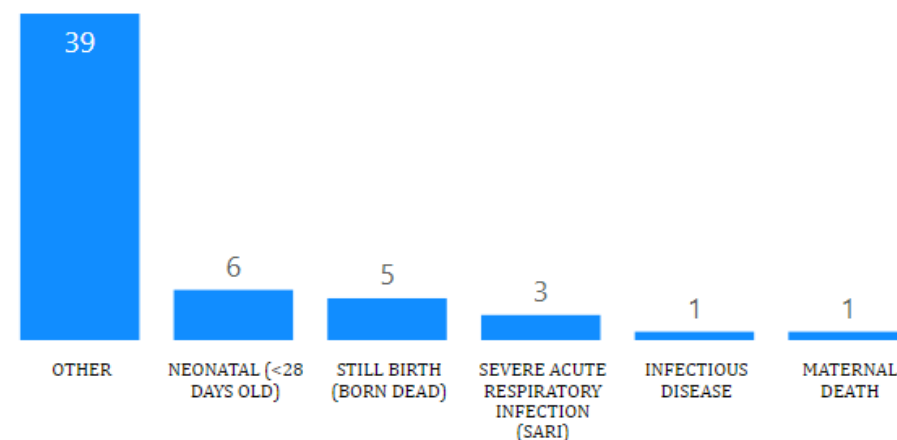
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W30 2022



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



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Printed: 09:15 Sunday, 16 October 2022 UTC

Contents

Highlights

Slide 1	Table 1 Coverage
	Table 2 Early warning performance
	Table 3 Alert performance

Early Warning

Slide 2	Map 1a Ukhia completeness by site/zone
	Map 1b Teknaf completeness by site/zone
Slide 3	Table 4 Ukhia (Northern group) performance by site/zone
	Map 2 Ukhia (Northern group) completeness by site/zone
Slide 4	Table 5 Ukhia (Southern group) performance by site/zone
	Map 3 Ukhia (Southern group) completeness by site/zone
Slide 5	Table 6 Teknaf performance by site/zone
	Map 4 Teknaf completeness by site/zone
Slide 6	Table 7 Performance by partner

Alert

Slide 7	Table 8 Ukhia (Northern group) alerts by site/zone
	Map 5 Ukhia (Northern group) alerts site/zone
Slide 8	Table 9 Ukhia (Southern group) alerts by site/zone
	Map 6 Ukhia (Southern group) alerts site/zone
Slide 9	Table 10 Teknaf alerts by site/zone
	Map 7 Teknaf alerts site/zone
Slide 10	Table 11 Performance by type of alert
	Table 12 Risk Assessment

Sources of data

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

Highlights W30 2022

Table 1 | Coverage

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

Table 2 | Early warning performance indicators

W30	Cumulative (2022)	
165	6598	Number of weekly reports received
95%	91%	Completeness
95%	90%	Timeliness

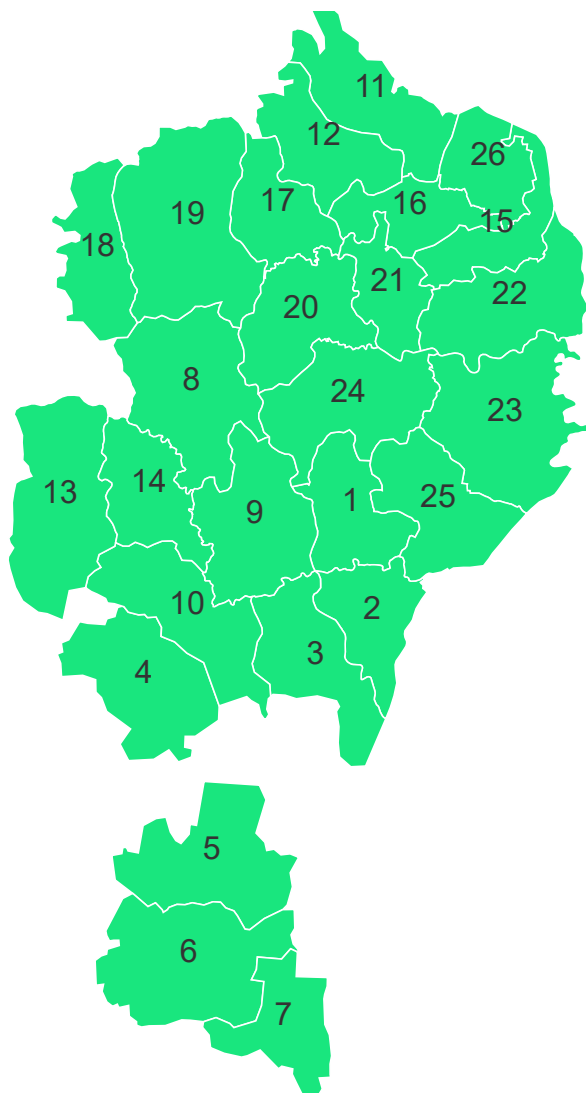
Table 3 Alert performance indicators

W30	Cumulative (2022)	
155	3,794	Total alerts raised
100%	98%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
0%	0%	% completed risk assessment

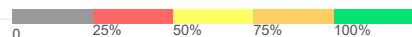
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2021.

Map 1a | Ukhia completeness by camp

- 1 Camp 10
- 2 Camp 11
- 3 Camp 12
- 4 Camp 13
- 5 Camp 14
- 6 Camp 15
- 7 Camp 16
- 8 Camp 17
- 9 Camp 18
- 10 Camp 19
- 11 Camp 1E
- 12 Camp 1W
- 13 Camp 20 Ext
- 14 Camp 20
- 15 Camp 2E
- 16 Camp 2W
- 17 Camp 3
- 18 Camp 4 Ext
- 19 Camp 4
- 20 Camp 5
- 21 Camp 6
- 22 Camp 7
- 23 Camp 8E
- 24 Camp 8W
- 25 Camp 9
- 26 Kutupalong RC

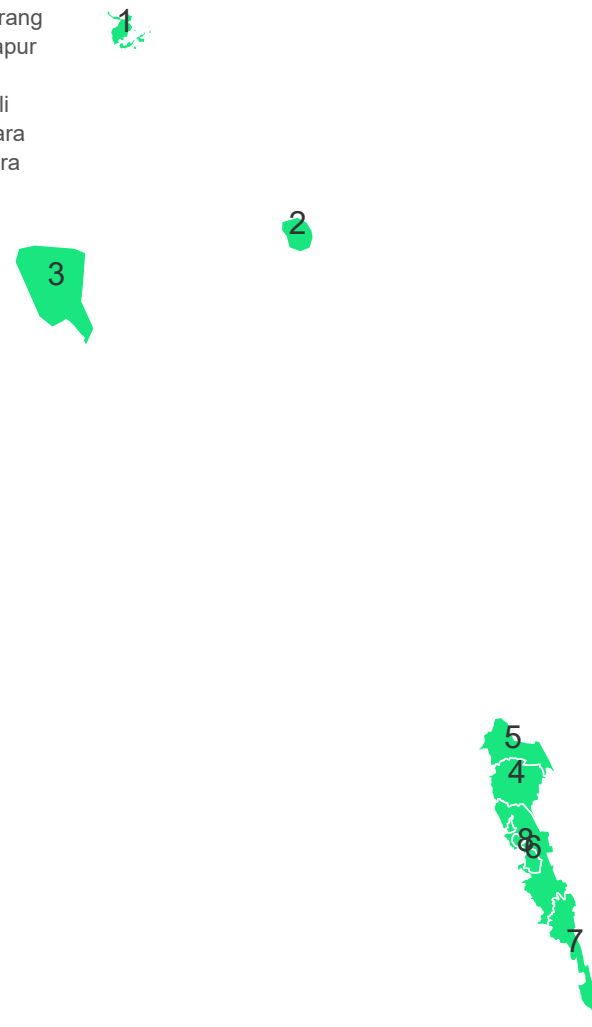


Completeness



Map 1b | Teknaf completeness by camp

- 1 Camp 21 Chakmarkul
- 2 Camp 22 Unchiprang
- 3 Camp 23 Shamlapur
- 4 Camp 24 Leda
- 5 Camp 25 Ali Khali
- 6 Camp 26 Nayapara
- 7 Camp 27 Jadimura
- 8 Nayapara RC



Completeness

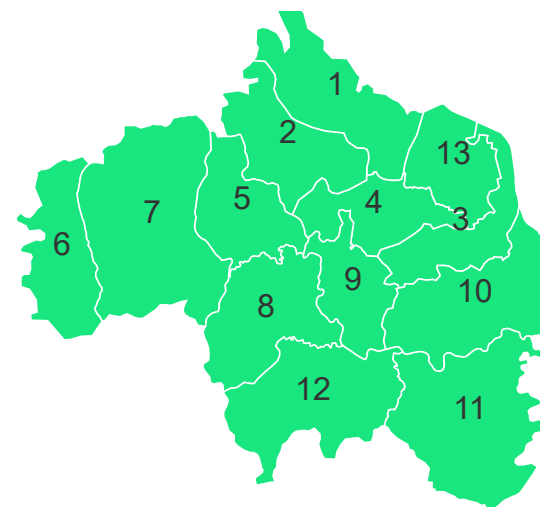


Table 4 | Performance by camp (W30 2022)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	3	3	100%	0%
Camp 1W	5	4	80%	10%
Camp 2E	3	3	100%	0%
Camp 2W	3	4	100%	0%
Camp 3	5	5	100%	0%
Camp 4	5	5	100%	0%
Camp 4 Ext	1	1	100%	0%
Camp 5	5	5	100%	0%
Camp 6	3	3	100%	0%
Camp 7	6	6	100%	0%
Camp 8E	8	9	100%	0%
Camp 8W	4	4	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 (W30 2022)

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

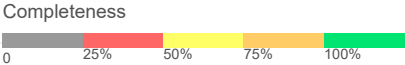
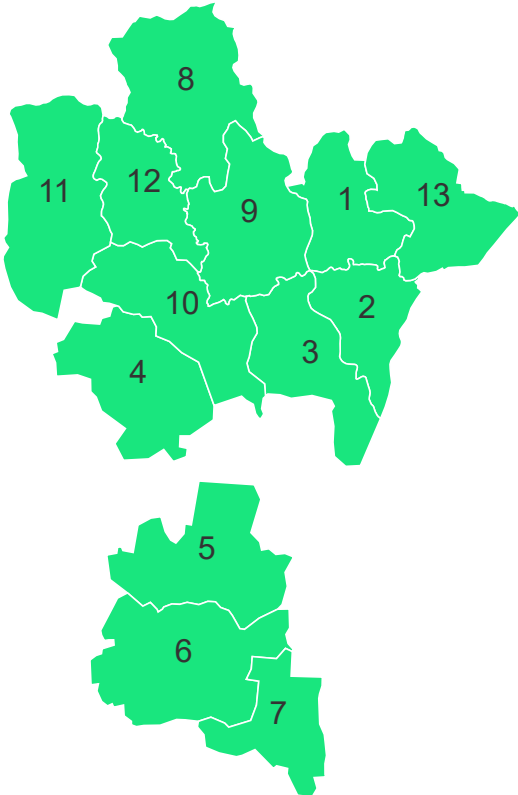


Table 6 | Performance by camp (W30 2022)

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	2	100%	0%
Camp 25 Ali Khali	3	3	67%	0%
Camp 26 Nayapara	5	4	100%	0%
Camp 27 Jadimura	2	2	100%	0%
Nayapara RC	2	2	100%	0%

Map 4 | Completeness by camp

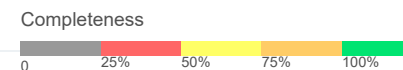
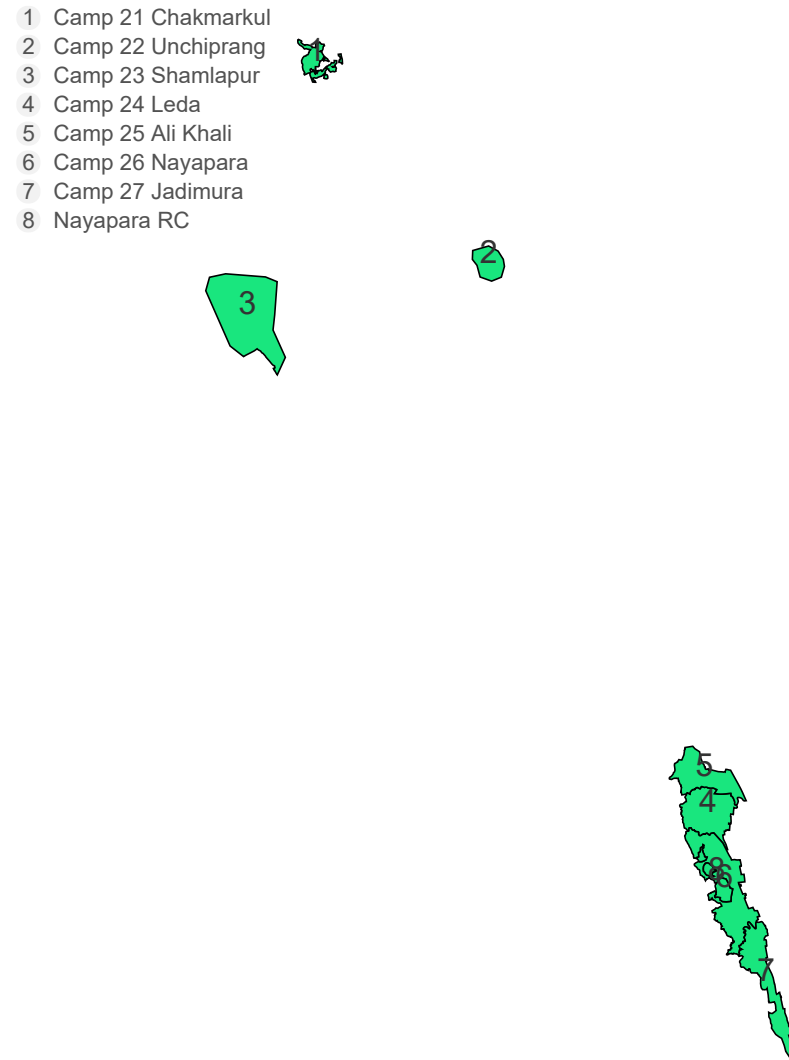


Table 7 | Performance by partner (W30 2022)

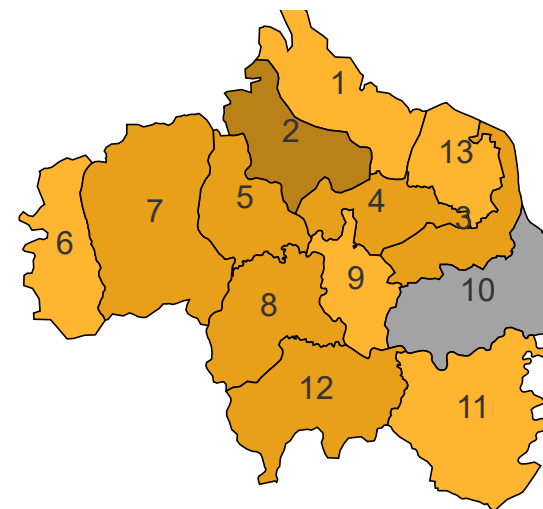
Partner	Performance		Reporting		Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness		# sites	# reports received	Completeness	Timeliness
AKF	1	0	0%	0%	IRC	4	2	0%	0%
AWARD	6	6	100%	100%	MSF	9	8	0%	0%
BASHMAH	1	1	100%	0%	MoH	12	10	0%	0%
BDRCS	11	11	100%	100%	MHI	0	0		
BRAC	0	11	100%	100%	Medair	0	0		
CARE	4	4	100%	100%	FH/MTI	4	4	0%	0%
GH/CPI	1	1	100%	100%	PRANTIC	1	1	100%	0%
DBC	1	1	100%	100%	PULSE	1	1	100%	100%
DSK	1	1	0%	0%	QC	1	1	100%	100%
DCHT-PWJ	1	1	100%	100%	PHD	10	10	0%	0%
FRNDS	6	6	0%	0%	RPN	2	2	100%	100%
GK	10	10	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%	0%	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%	100%	TdH	2	2	0%	0%
IOM	23	23	0%	0%					

Table 8 | Performance by camp

Northern group	W30		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	5	100%	76	97%
Camp 1W	11	100%	187	100%
Camp 2E	7	100%	386	98%
Camp 2W	7	100%	125	98%
Camp 3	8	100%	175	99%
Camp 4	6	100%	151	96%
Camp 4 Ext	4	100%	59	97%
Camp 5	9	100%	123	98%
Camp 6	5	100%	98	98%
Camp 7	0	0%	83	96%
Camp 8E	3	100%	76	96%
Camp 8W	8	100%	201	99%
Kutupalong RC	5	100%	75	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

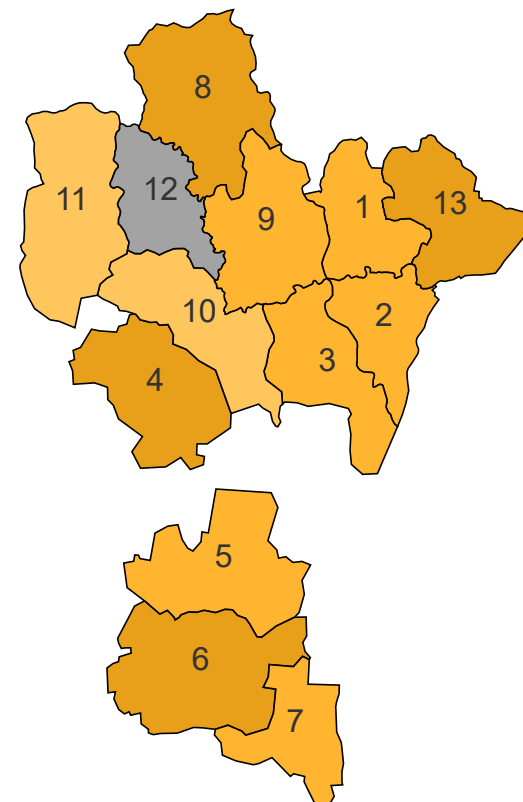


Table 9 | Performance by camp

Southern group	W30		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	4	100%	78	99%
Camp 11	5	100%	104	93%
Camp 12	5	100%	122	99%
Camp 13	8	100%	139	99%
Camp 14	3	100%	77	97%
Camp 15	6	100%	139	98%
Camp 16	3	100%	114	99%
Camp 17	7	100%	104	97%
Camp 18	4	100%	162	99%
Camp 19	1	100%	67	97%
Camp 20	0	0%	69	99%
Camp 20 Ext	1	100%	54	100%
Camp 9	11	100%	195	98%

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	W30		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	2	100%	50	98%
Camp 22 Unchiprang	3	100%	65	100%
Camp 23 Shamlapur	1	100%	16	100%
Camp 24 Leda	2	100%	97	96%
Camp 25 Ali Khali	1	100%	33	97%
Camp 26 Nayapara	6	100%	126	97%
Camp 27 Jadimura	2	100%	63	97%
Nayapara RC	1	100%	38	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

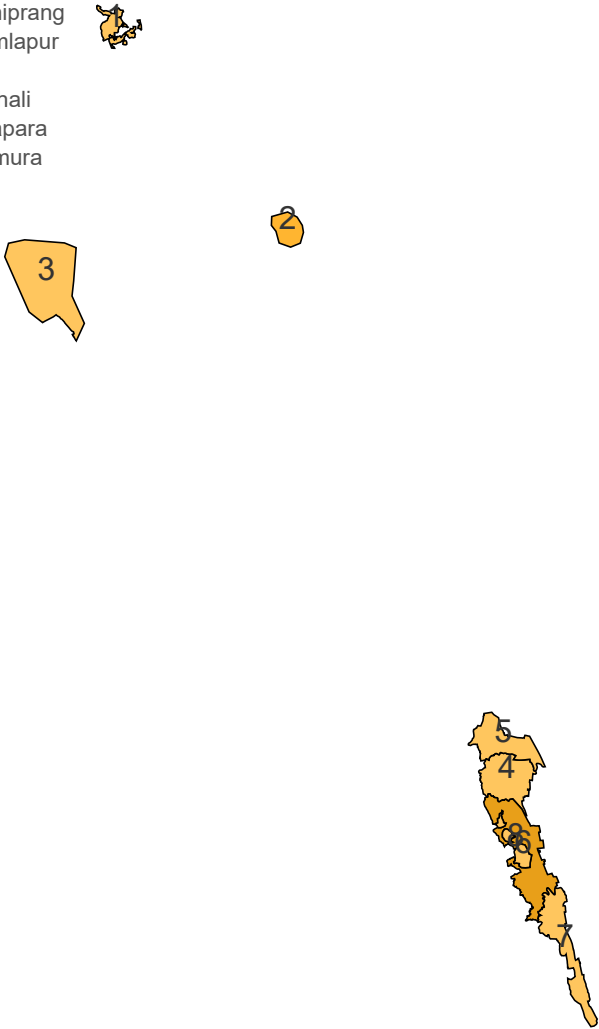


Table 11 | Performance by type of alert

Event	W30		Cumulative (2022)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	3	100%
Measles	14	100%	418	98%
Bloody Diarr.	0	0%	0	0%
AFP	1	100%	28	100%
Meningitis	1	100%	22	100%
Haem. fever (susp.)	1	100%	34	94%
NNT	0	0%	3	100%
Unexp. fever	5	100%	116	99%
AWD	5	100%	192	100%
ARI	4	100%	173	100%
AJS	4	100%	95	99%
Varicella (Susp.)	0	0%	107	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	2	100%	199	98%

Table 12 | Risk assessment

W30	Cumulative (2022)	
0	9	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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Cox's Bazar, Bangladesh
Telephone: +88 017 0120 2994
Email: khan@who.int

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>



Ministry of
Health and
Family
Welfare
Bangladesh



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Global
EWARS

Bangladesh

Rohingya Emergency Response

Early Warning, Alert and Response System (EWARS)

Annex W30 2022



Ministry of Health and Family
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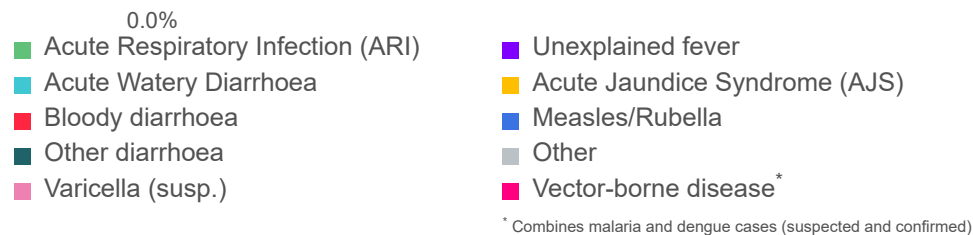
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Printed: 05:53 Thursday, 28 July 2022 UTC

Proportional morbidity

Figure 1 | Proportional morbidity (W30 2022)



Disease	W30		2022	
	# cases	% morbidity	# cases	% morbidity
AWD	2,272	2.2%	75,401	2.6%
Bloody diarr.	371	0.4%	10,778	0.4%
Other diarr.	828	0.8%	30,144	1.0%
Susp. Varicella	33	0.0%	8,609	0.3%
ARI	17,425	16.5%	507,500	17.6%
Measles/Rub.	26	0.0%	657	0.0%
AFP	0	0.0%	49	0.0%
Susp. menin.	3	0.0%	88	0.0%
AJS	26	0.0%	656	0.0%
Susp. HF	2	0.0%	28	0.0%
Neo. tetanus	0	0.0%	8	0.0%
Adult tetanus	0	0.0%	12	0.0%
Malaria (conf.)	4	0.0%	314	0.0%
Malaria (susp.)	1,592	1.5%	43,319	1.5%
Dengue (conf.)	1,704	1.6%	9,244	0.3%
Dengue (susp.)	705	0.7%	3,900	0.1%
Unexpl. fever	1,359	1.3%	34,845	1.2%
Sev. Malnut.	47	0.0%	1,146	0.0%
Inj./Wounds	1,944	1.8%	63,719	2.2%
Other	77,007	73.0%	2,092,167	72.4%
Total	104,085	100%	2,889,041	100%

Trend in consultations and key diseases

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

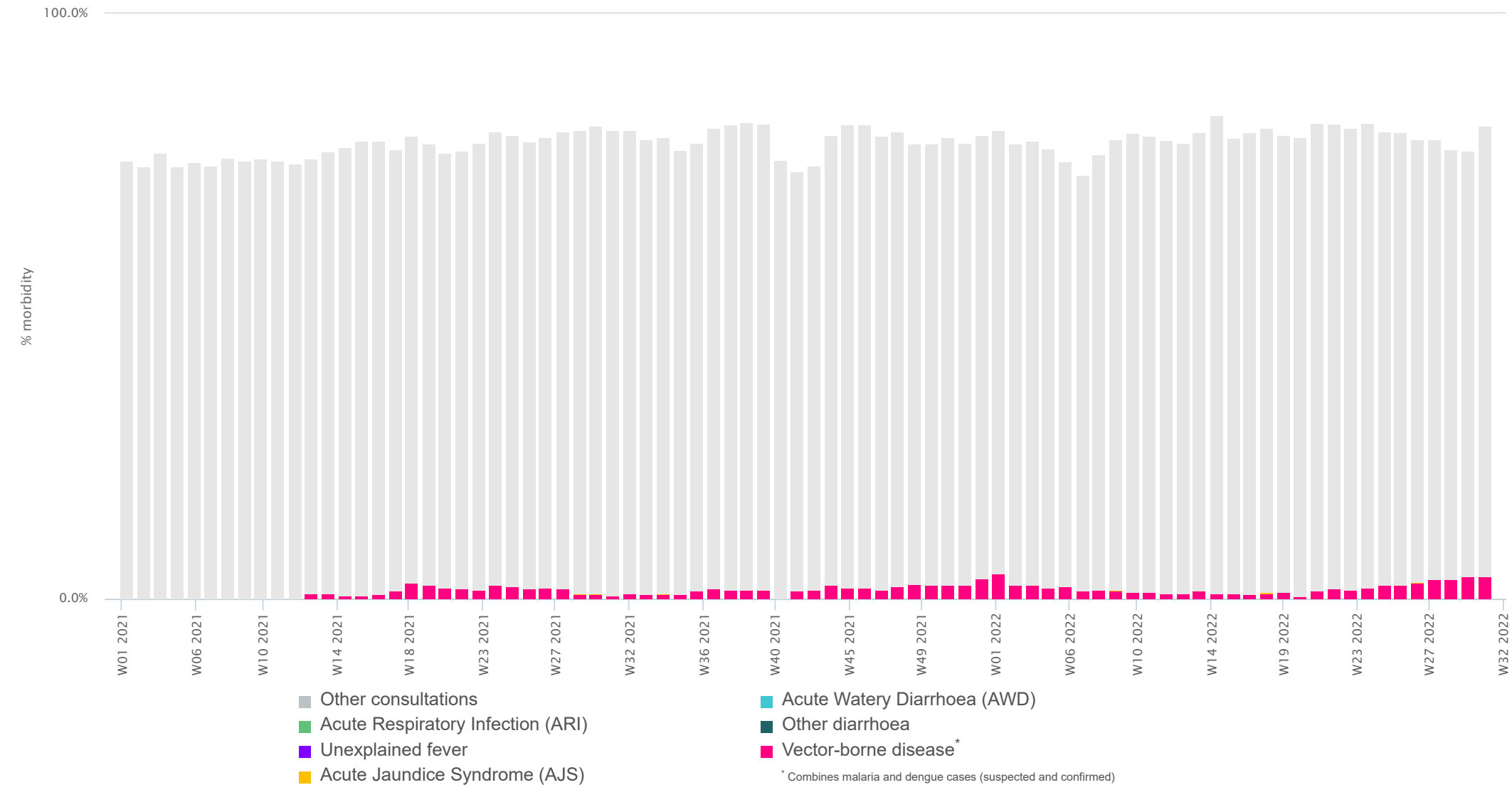
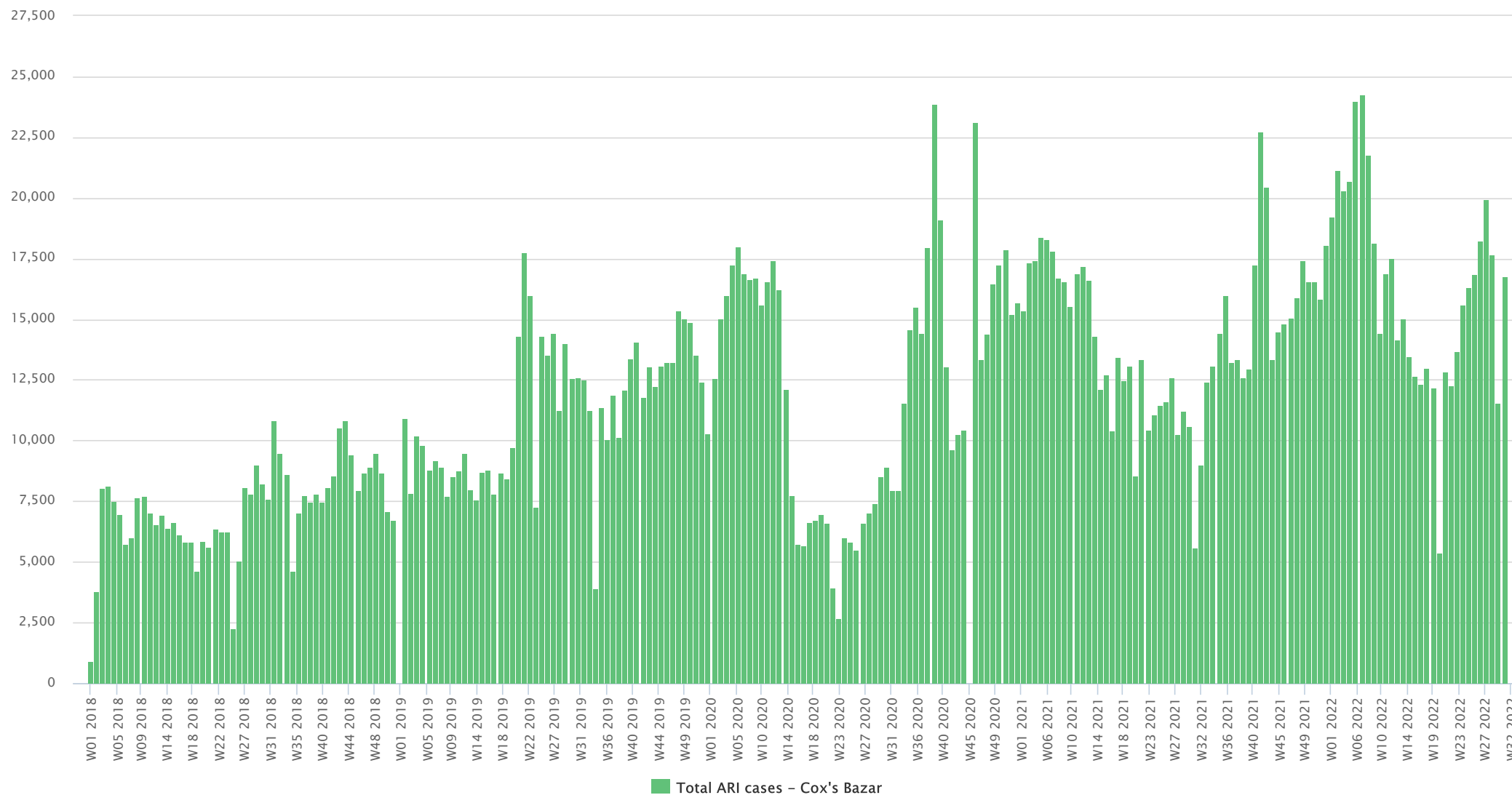
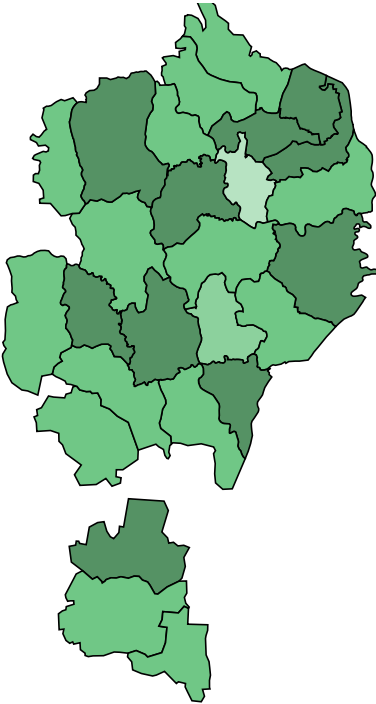


Figure 3 | Trend in number of cases over time (W38 2017 - W30 2022)



Map 1 | Map of cases by camp (W30 2022)

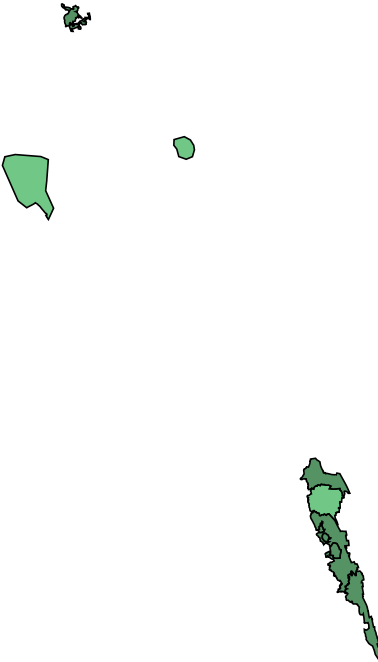
a. Ukhia | Number of cases



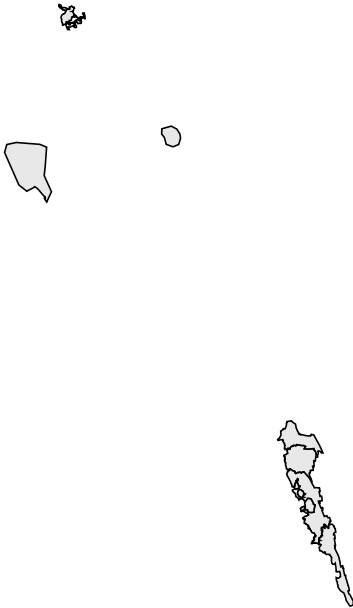
b. Ukhia | Number of alerts



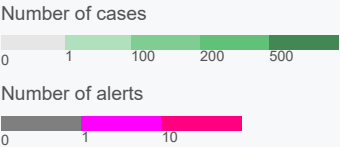
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W30 2022)

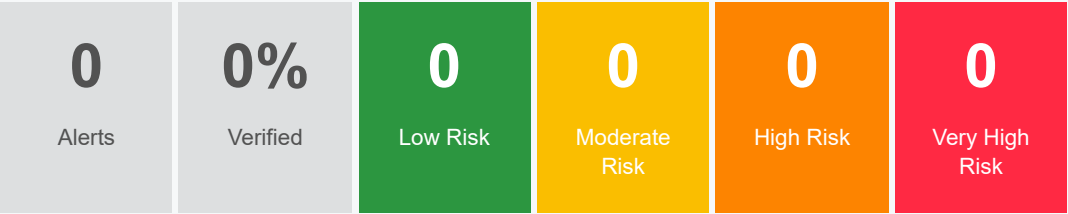


Figure | % sex

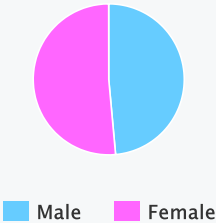


Figure | % age

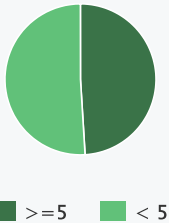
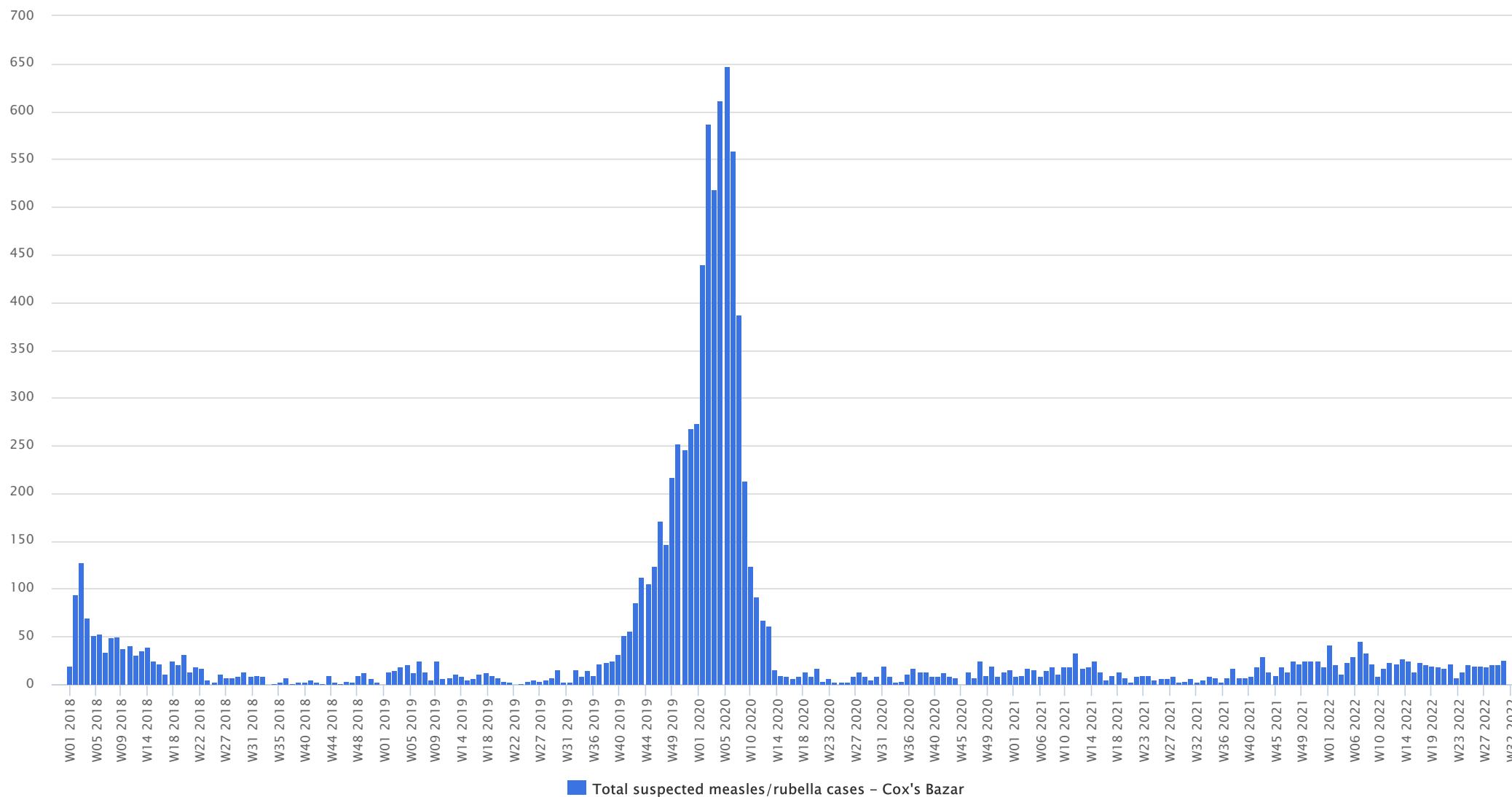
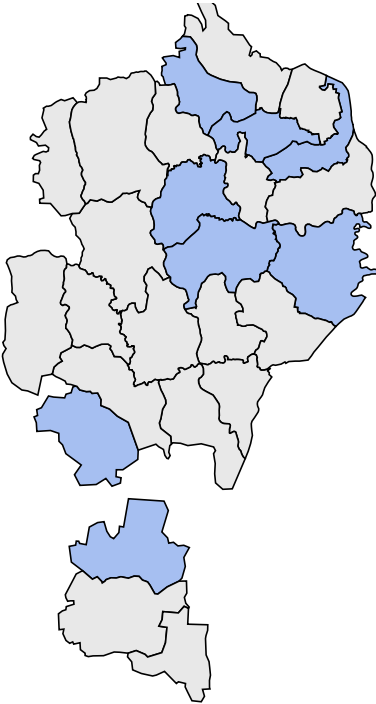


Figure 4 | Trend in number of suspected cases over time (W38 2017 - W30 2022)

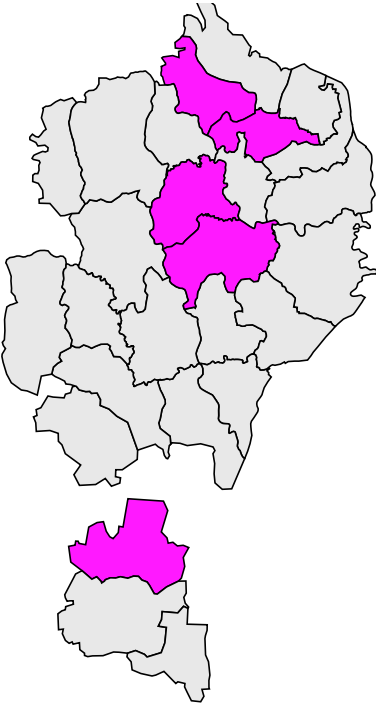


Map 2 | Map of cases by camp (W30 2022)

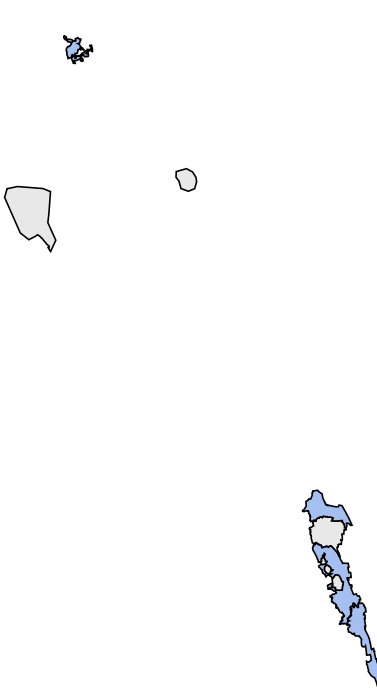
a. Ukhia | Number of cases



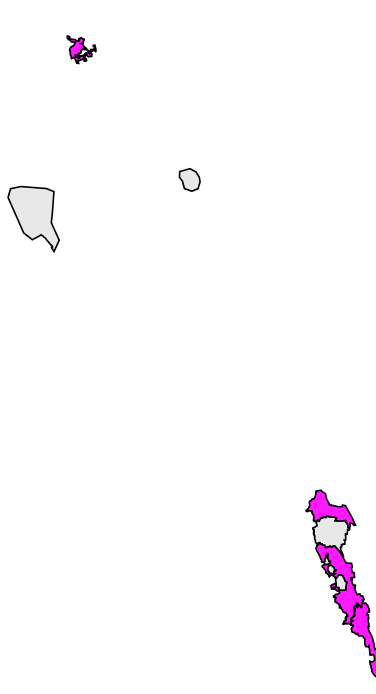
b. Ukhia | Number of alerts



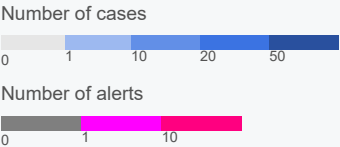
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold
1 case. Source: IEDCR

Alert management (W30 2022)

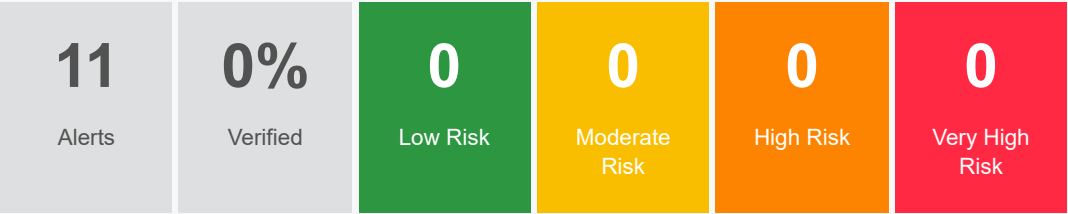


Figure | % sex

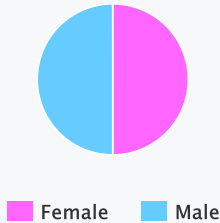


Figure | % age

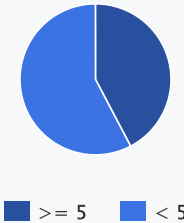
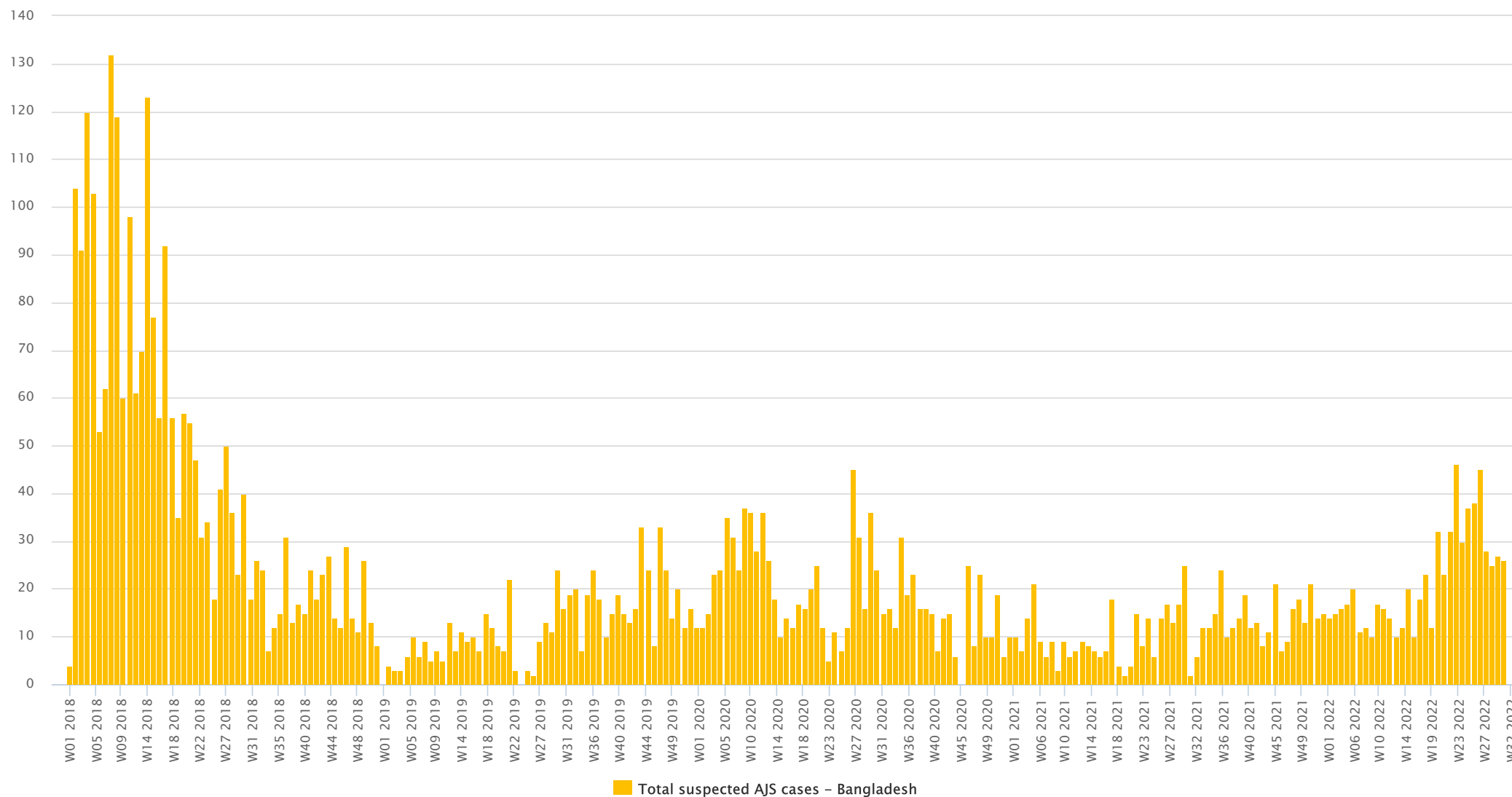
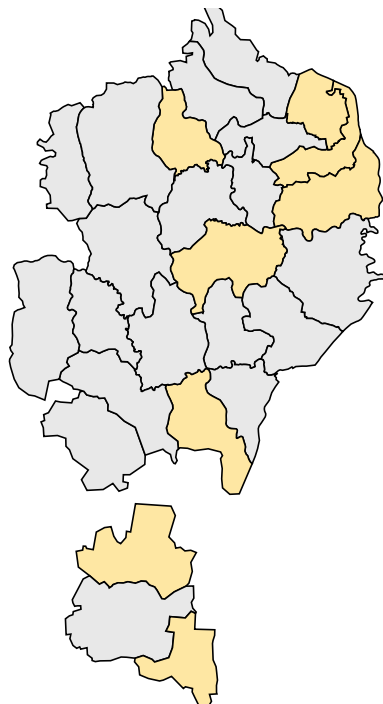


Figure 5 | Trend in number of cases over time (W38 2017 - W30 2022)

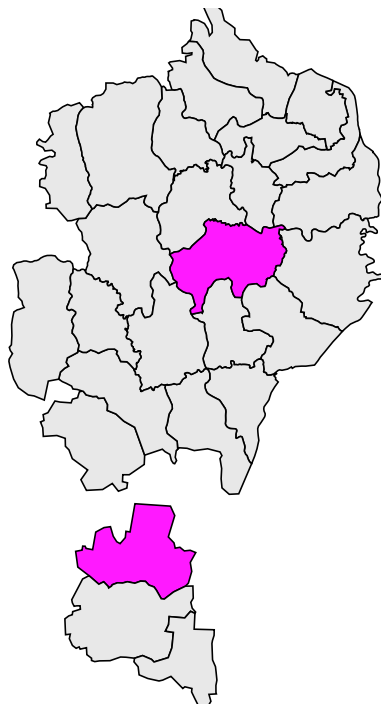


Map 3 | Map of cases by camp (W37 2017 - W30 2022)

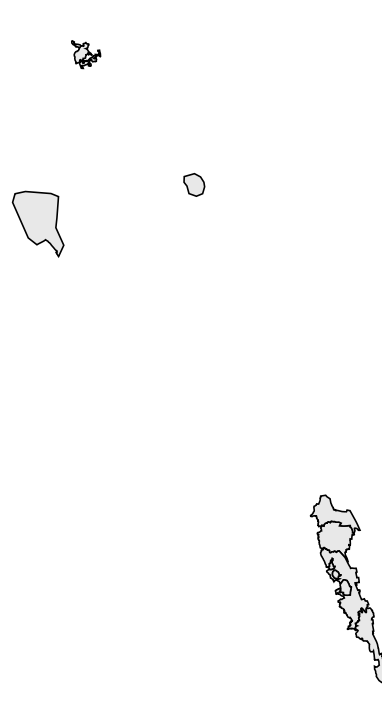
a. Ukhia | Number of cases



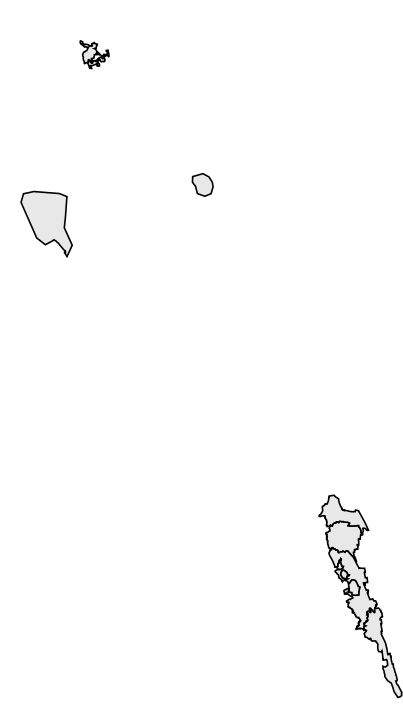
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

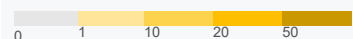


d. Teknaf | Number of alerts



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 (W30 2022)

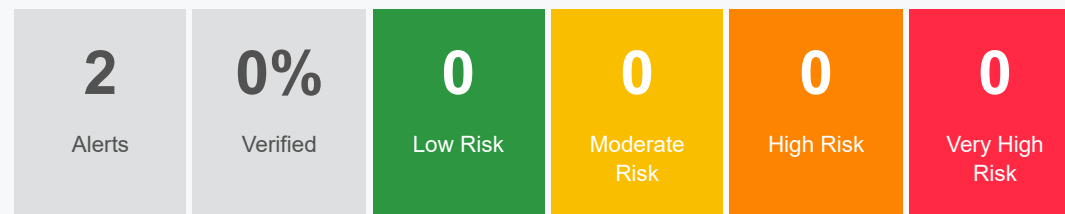
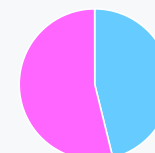
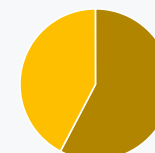


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W30 2022)

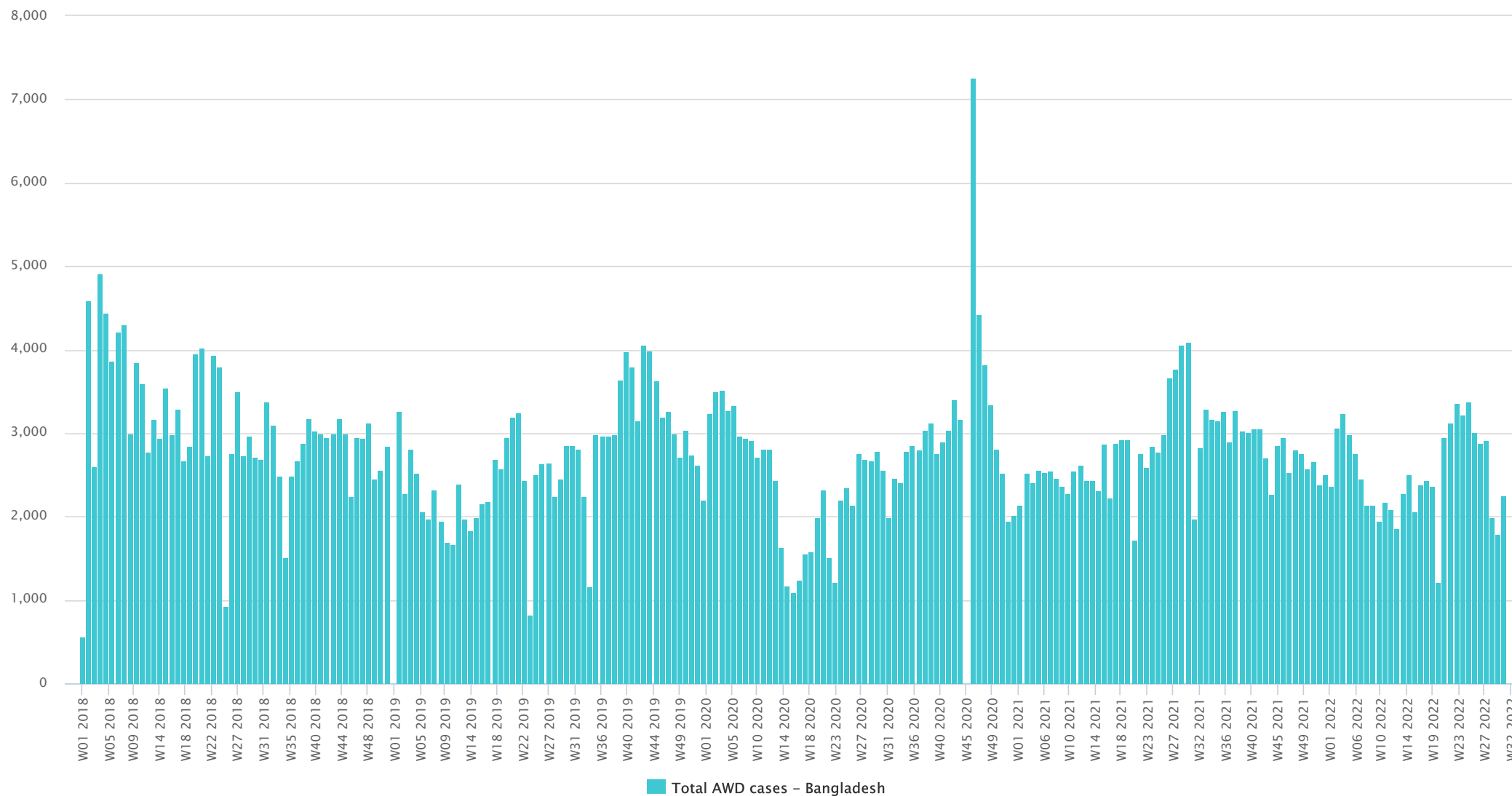
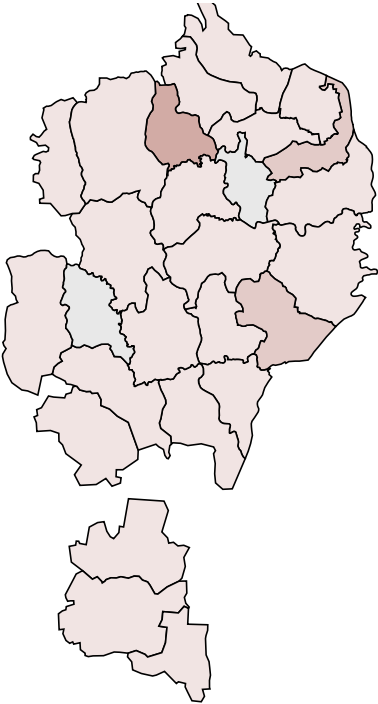


Figure 7 | Trend in number of cases over time (W38 2017 - W30 2022)

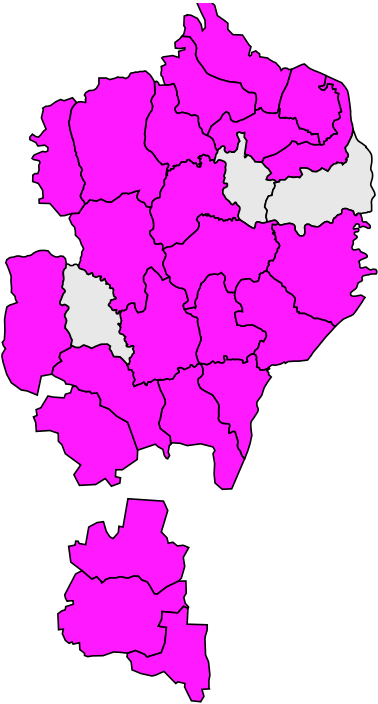


Map 4 | Map of cases by camp (W37 2017 - W30 2022)

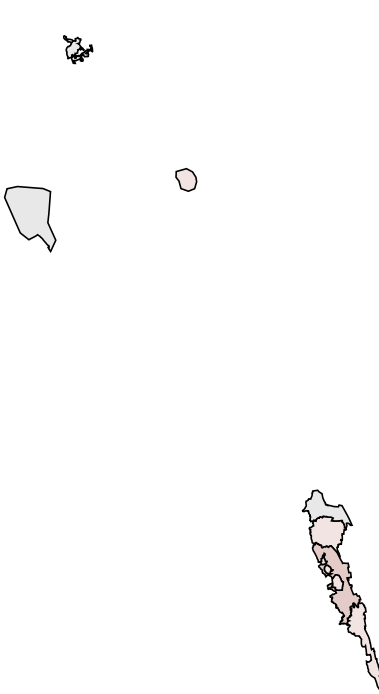
a. Ukhia | Number of cases



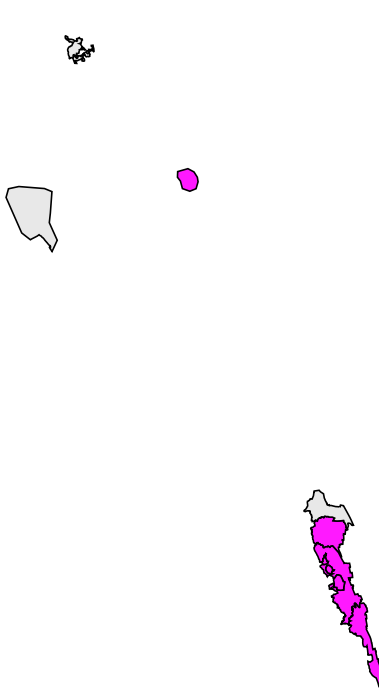
b. Ukhia | Number of alerts



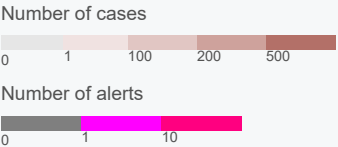
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W30 2022)

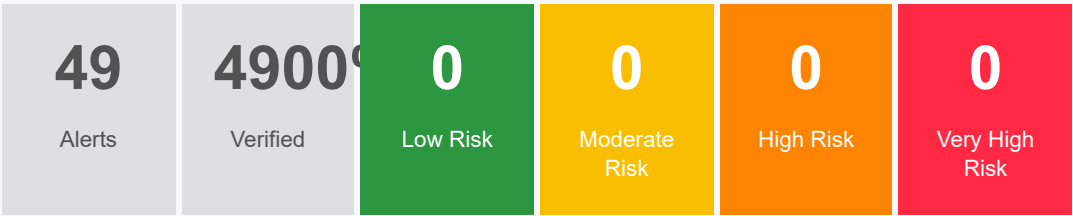


Figure | % sex

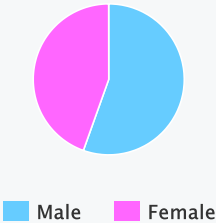


Figure | % age

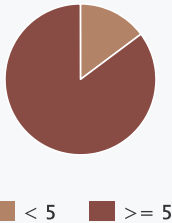
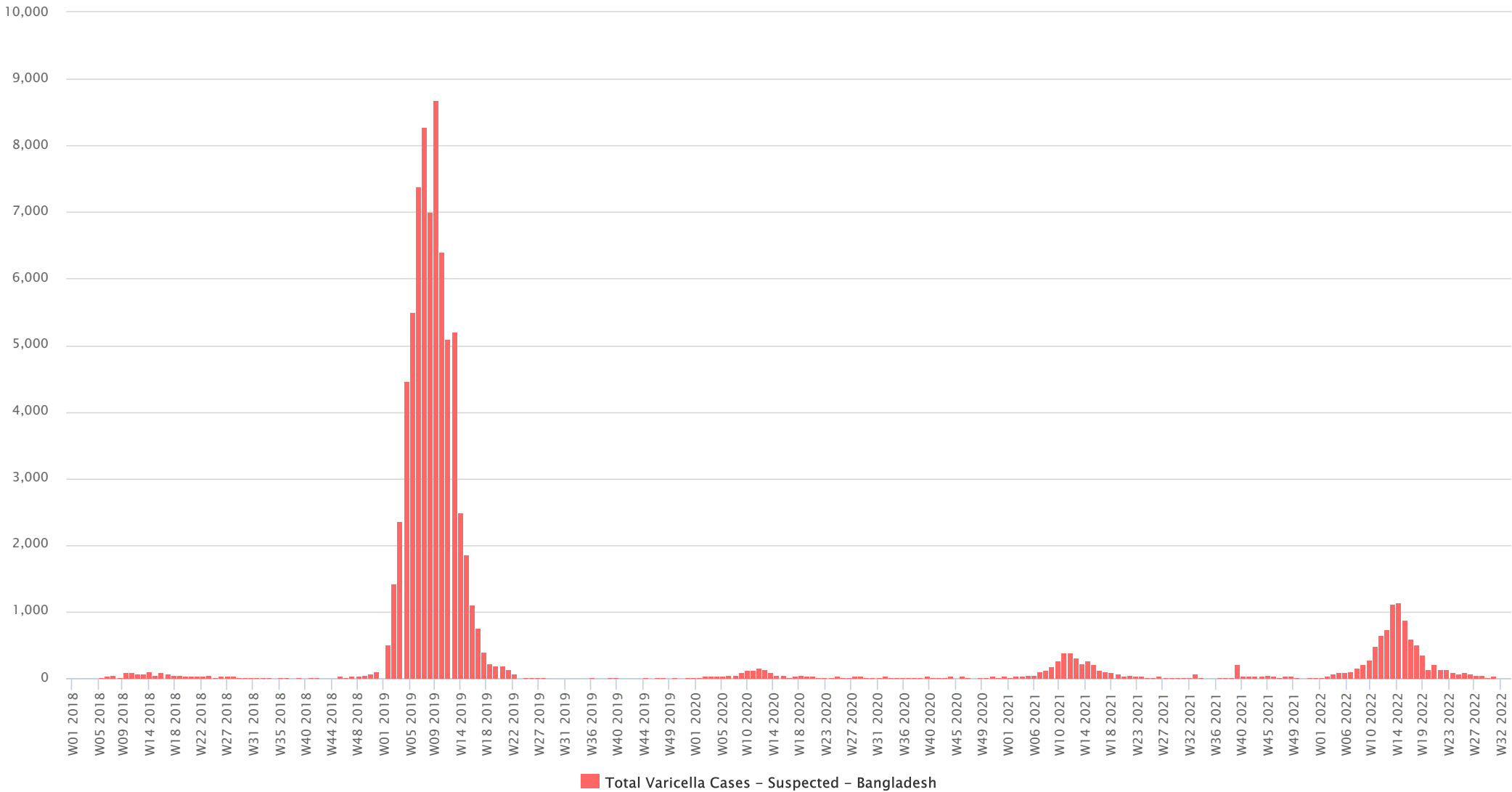
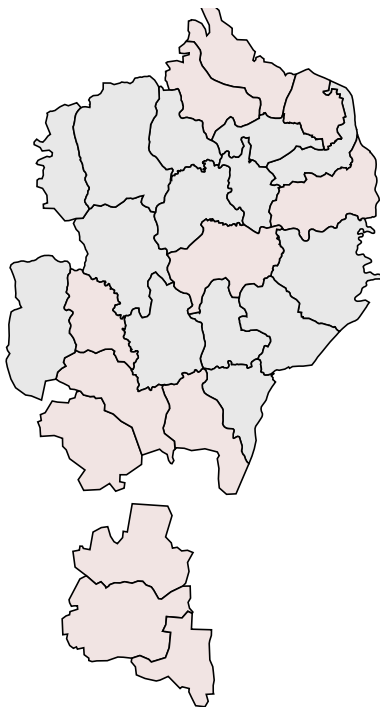


Figure 7 | Trend in number of cases over time (W38 2017 - W30 2022)

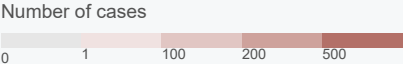


Map 4 | Map of cases by camp (W37 2017 - W30 2022)

a. Ukhia | Number of cases



Map legend



c. Teknaf | Number of cases

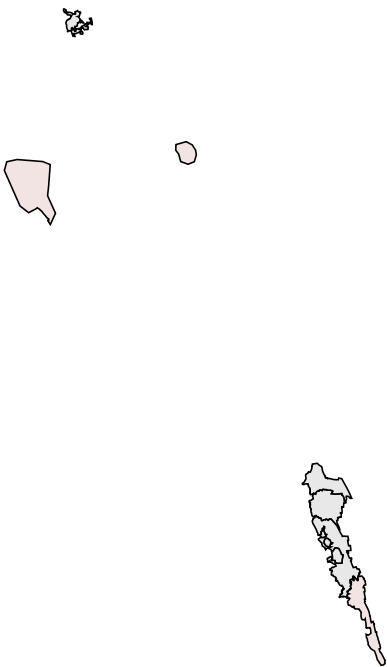


Figure | % sex

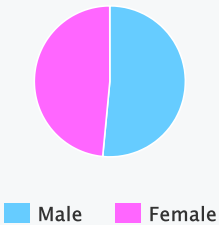
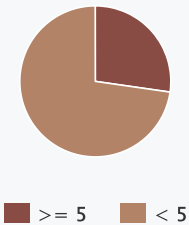


Figure | % age



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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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