



Epidemiological Highlights

Week 14 (5-11 April 2021)



**World Health
Organization**

Highlights: COVID-19

As of week 14, (5 Apr – 11 Apr 2021) there are 465 confirmed cases of COVID-19 (SARS-CoV-2), 35 793 samples were tested, total positivity rate 1.3%.

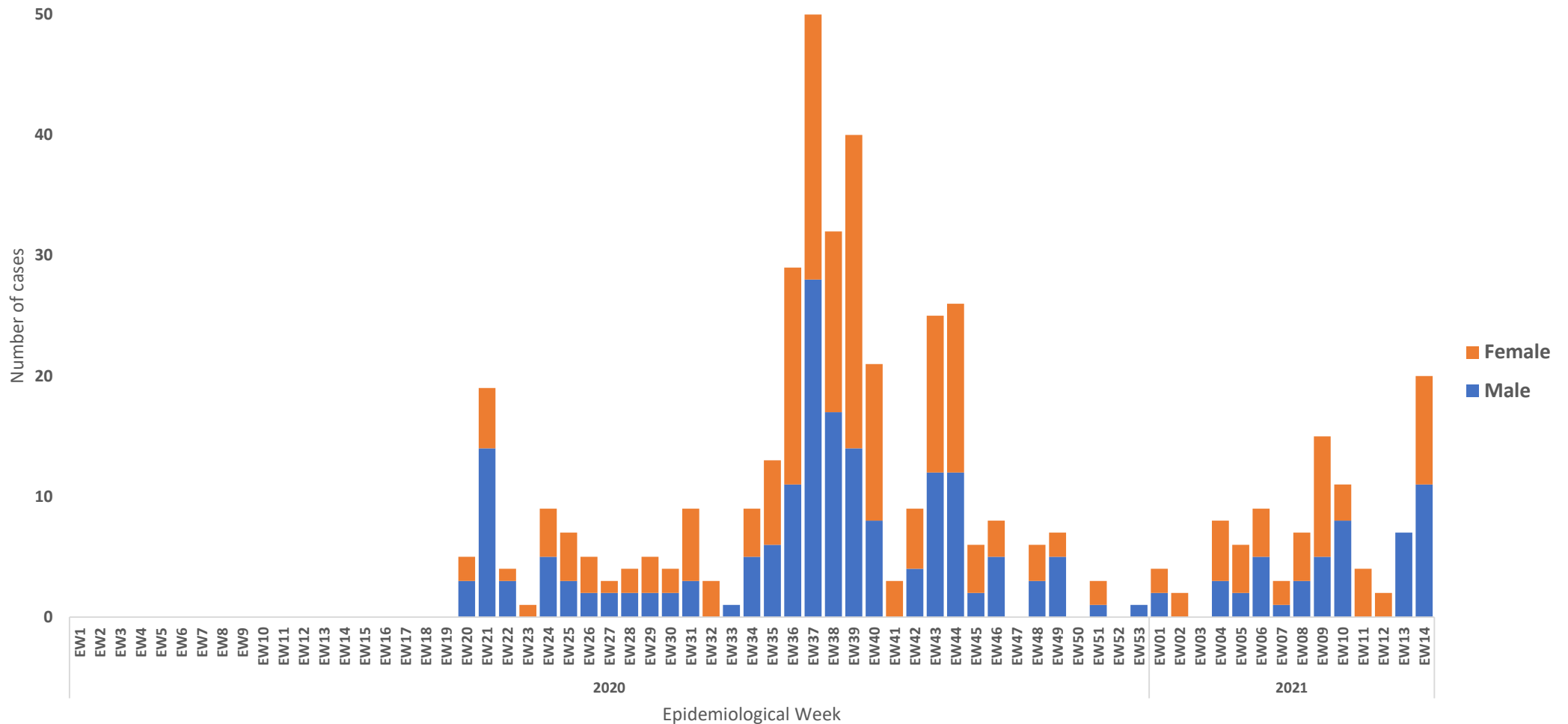
This week (week 14), 20 new confirmed cases detected, 879 samples were tested, test positivity was 2.3%.

As of this week (week 14)

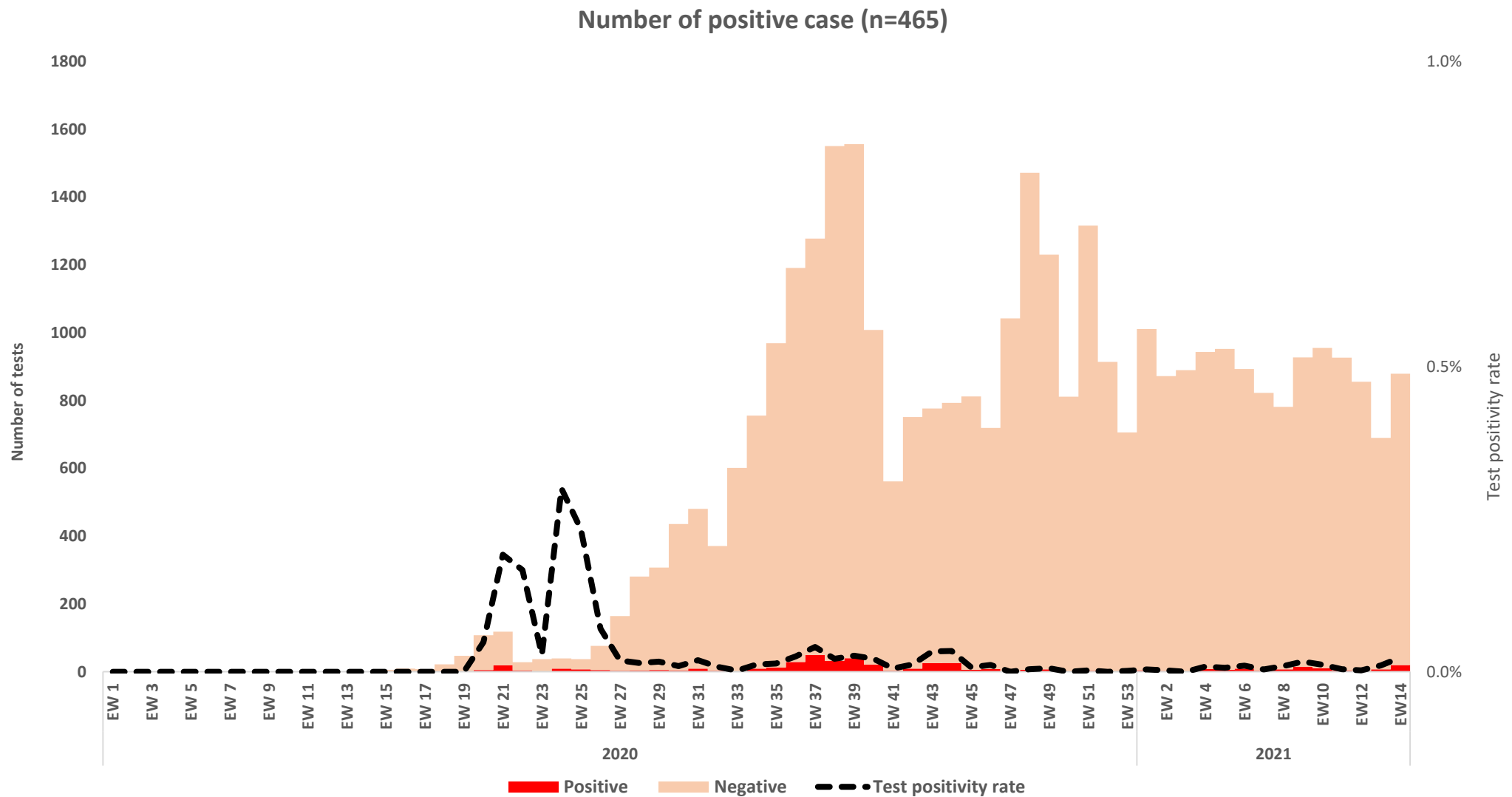
- Median age of tested and confirmed cases is 10 (0-120) and 18 (0-90) years
- Female among tested and confirmed cases is 55% and 52%
- All 34/34 camps have confirmed cases (C24-66, C2W-49, C3-35, C15-28, C6-26)
- A total of 10 deaths from COVID-19 with the case fatality rate 2.2%
- The incidence is 54.1 per 100,000 people, cases per million 22.1

Highlights: COVID-19

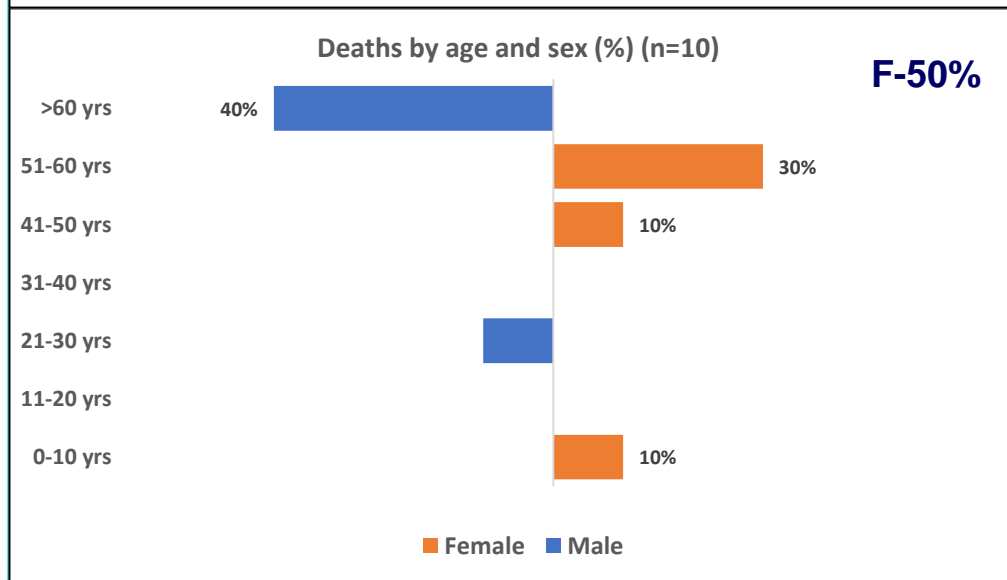
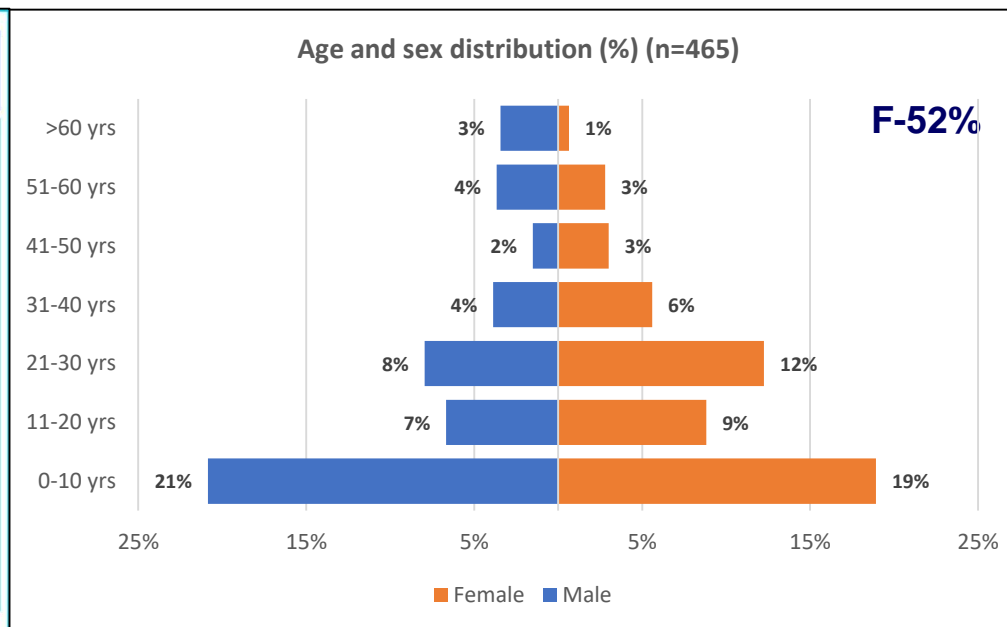
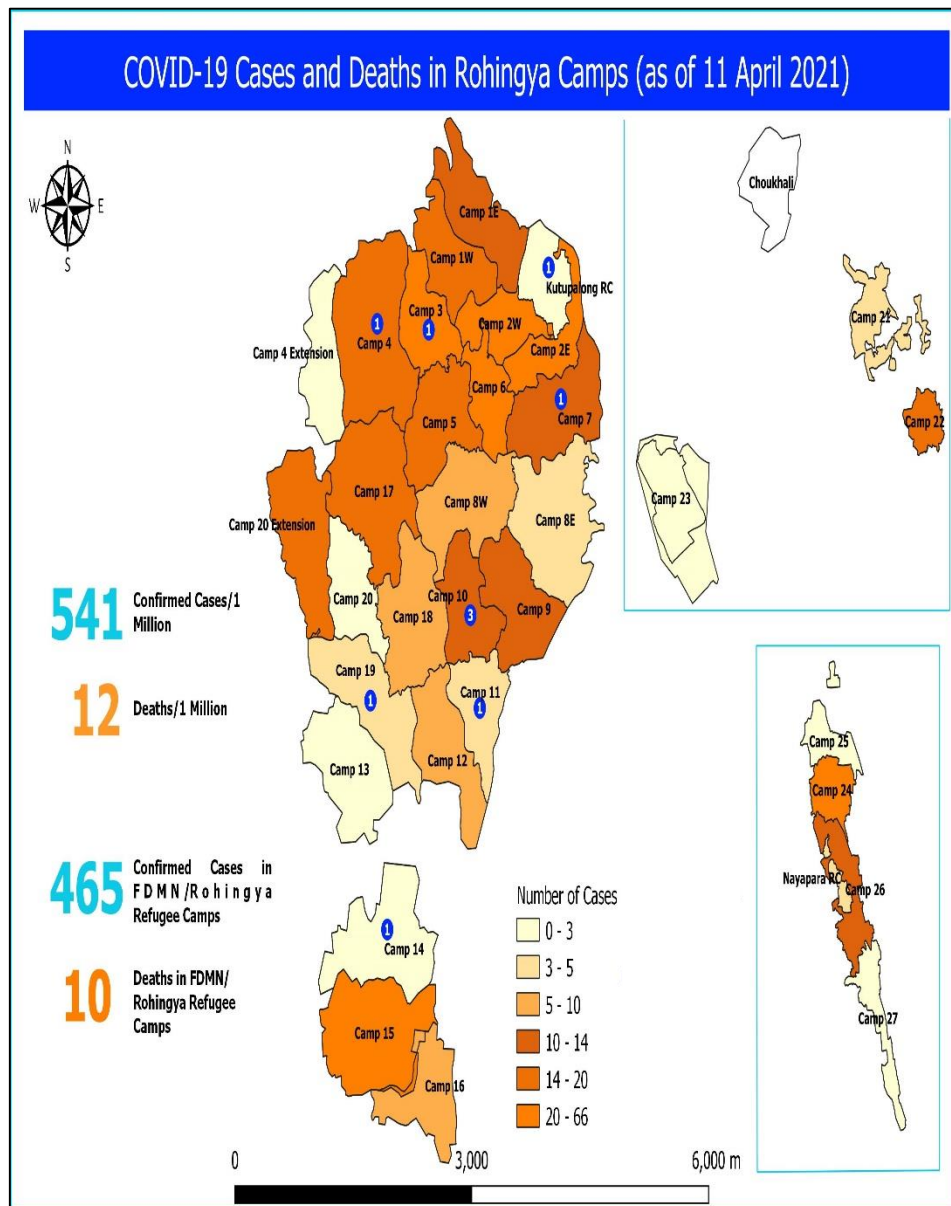
COVID-19 positive cases (n=465) by week of test



Highlights: COVID-19

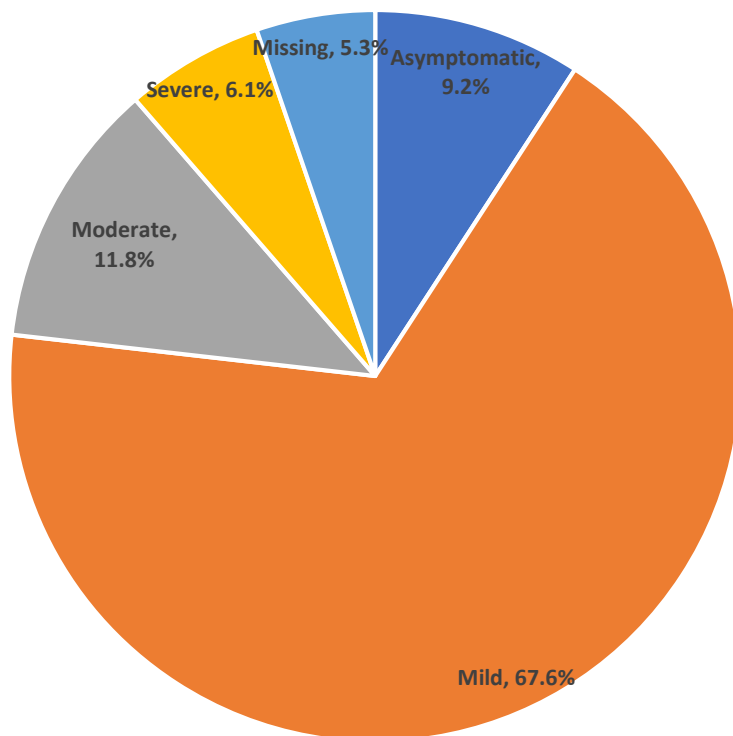


Highlights: COVID-19

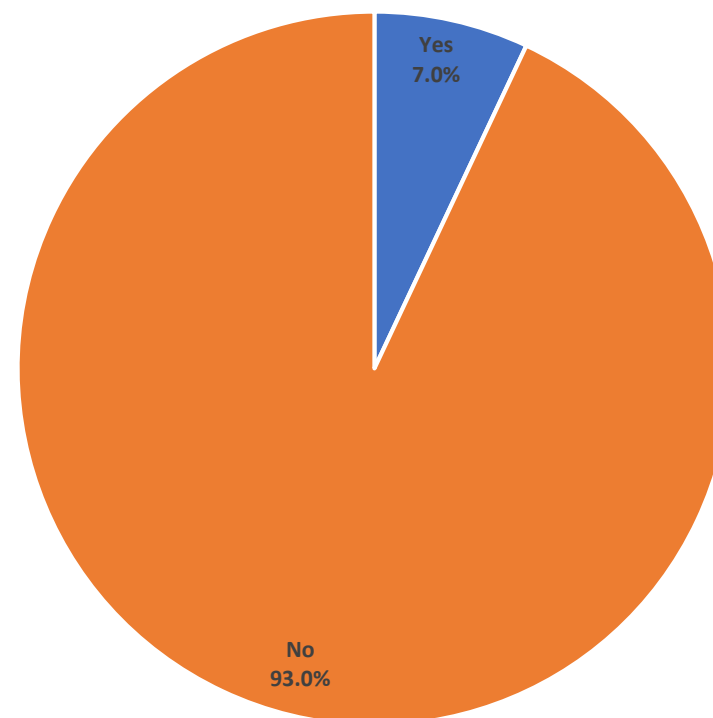


Highlights: COVID-19

Severity of reported cases at presentation (n=457)



Did the case report at least 1 co-morbidity (n=457)



Source: Go.Data

Highlights: COVID-19 Contact Tracing

- Total 457 (out of 465) confirmed cases have been investigated by Rapid Investigation and Response Team (RIRT) and captured through go.data as of week 14
- Total 1,802 contacts have been identified and registered for follow up
- Out of those, 1,474 (82%) contacts have been completed the follow up
- Twenty-two (22) contacts (1.3%) tested positive during follow up period
- Average number of contacts is ~4 per positive case
- No geo clusters have been found out in camps

EWARS Reporting Updates

- Total 172 health facilities registered in EWARS
- Only 130/172 weekly reports received on time in week 14
- Seventy-five (75) alerts were triggered in week 14
- Timeliness for this week is 76%
- All alerts were reviewed and verified by WHO EWARS team, the number is more than that of previous week (53 in week 13).

Highlights:

- Acute Respiratory Infection (15.4%), Diarrheal Diseases (5.4%) & Unexplained Fever (1.4%) are the diseases with highest proportional morbidity in week 14.
- Suspected SARI death under enhanced Community-based mortality surveillance has been continued since week 28, 2020.
 - Eighty-one (81) suspected SARI deaths have been reported so far and reviewed subsequently by Rapid Investigation and Response Team (RIRT) for COVID-19.
 - Total Nine (9) SARI deaths were considered as death due to probable COVID-19 till date.

Diphtheria

One (1) suspected diphtheria case was reported in go.data in week 14

A total of 9 259 case-patients were reported since 2017 to till date

- Confirmed = 343
- Probable = 2 803
- Suspected = 6 113

Total case reported in 2021 = 73

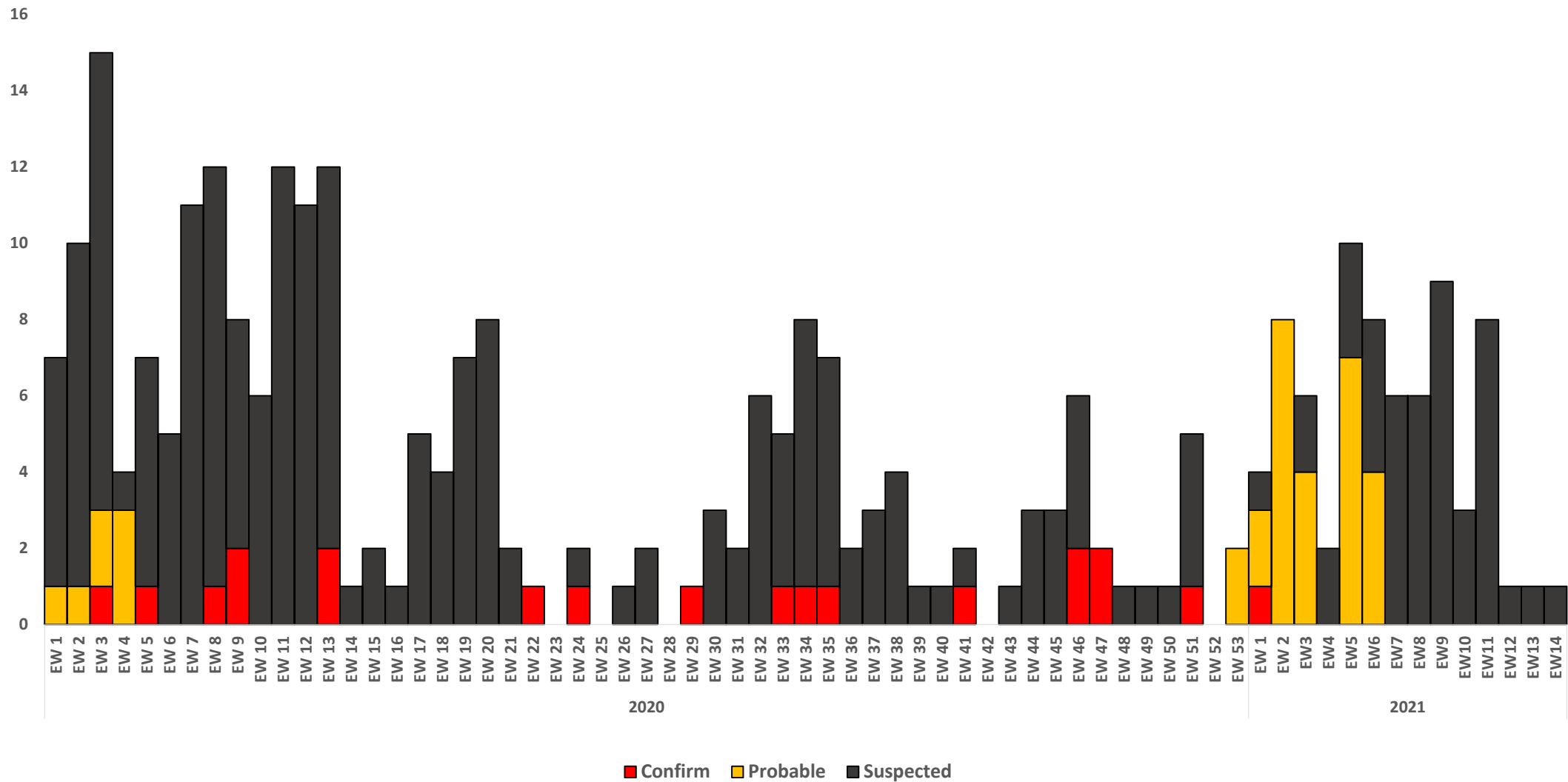
- Confirmed = 1
- Probable = 25
- Suspected = 47

Last confirmed case was reported in week 1 (4 January 2021)

In total 47 deaths were reported, last death reported on 25 October 2019.

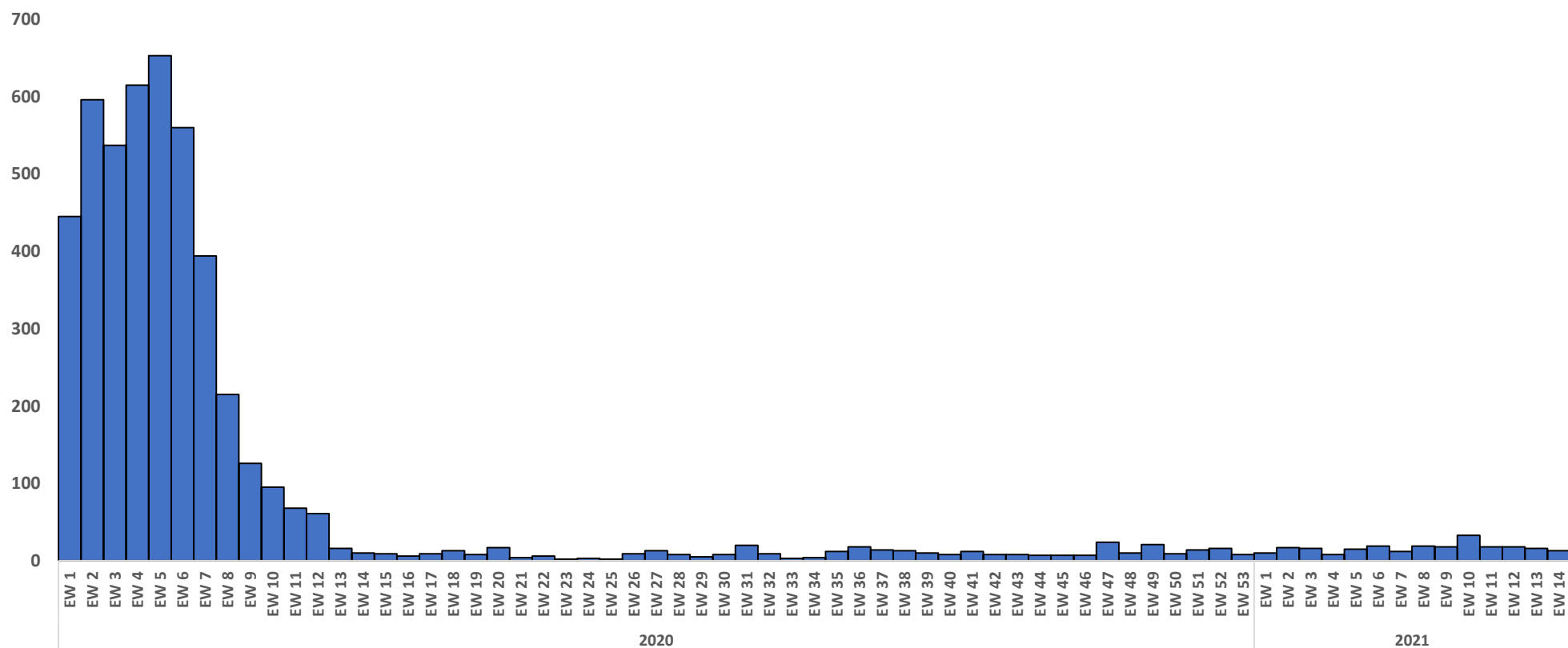
Diphtheria

Total number of diphtheria case reported in EWARS from 2020-2021 W14



Measles

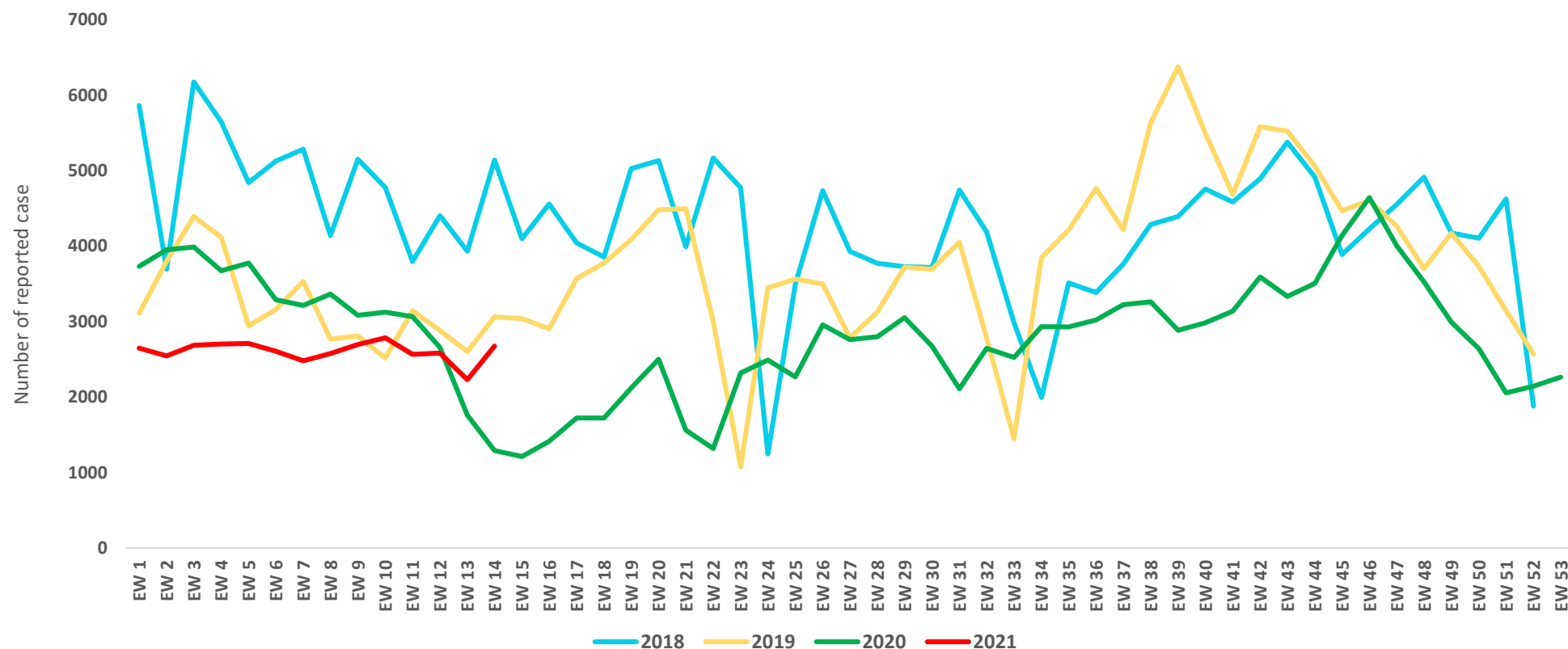
Total number of Measles case reported in EWARS from 2020- 2021 W14



In week 14, 13 suspected measles cases were reported through weekly reporting made 232 cases in total in 2021. Out of those 176 cases (76%) reported through case-based reporting and samples collected for laboratory confirmation.

Diarrhoeal Disease

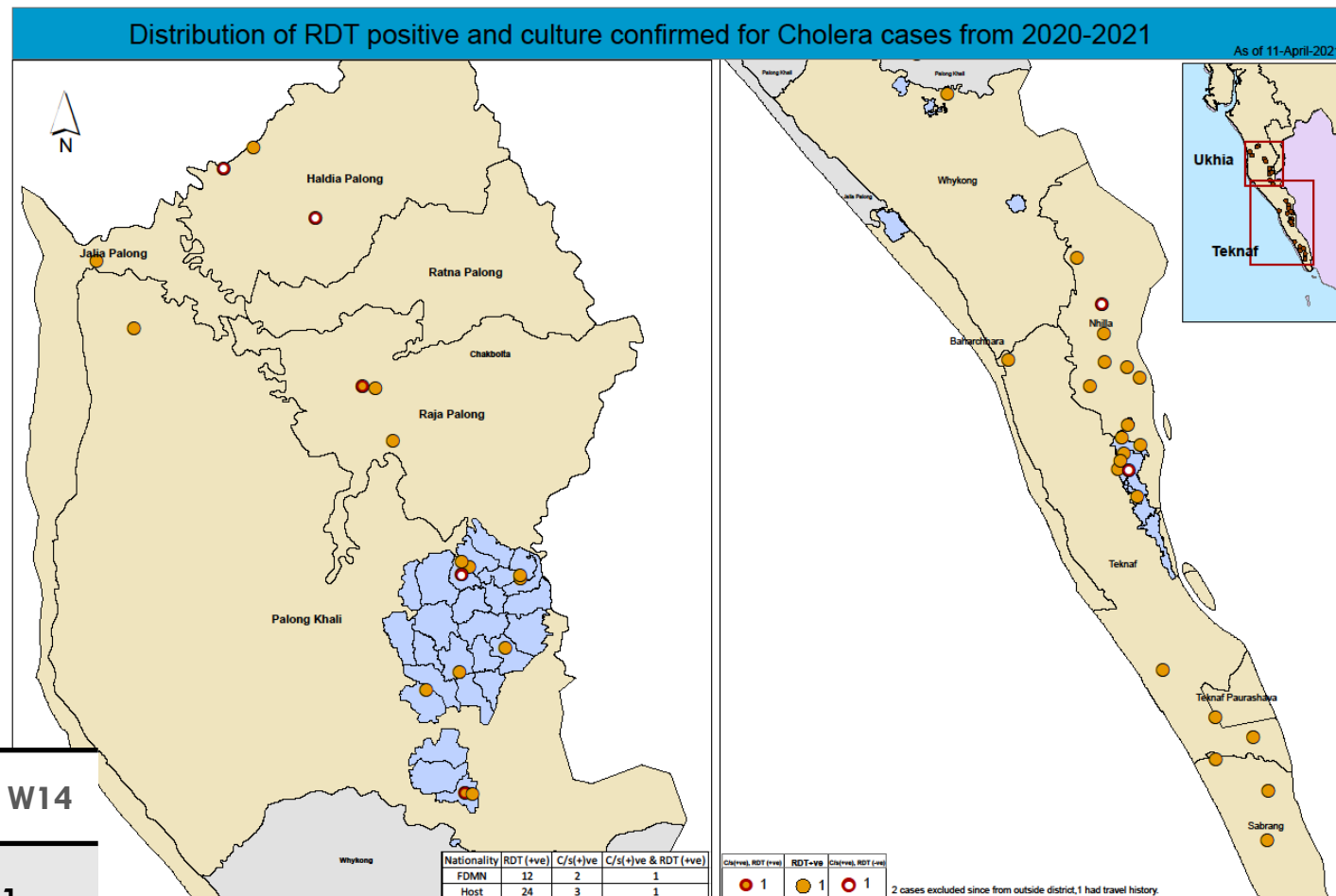
Total number of AWD case reported in EWARS from 2018-2021 W14



- A total of 3,855 cases of diarrhoeal diseases reported in EWARS in week 14.
- Among which 2,518 cases (3.5%) reported as acute watery diarrhoea (AWD), remaining 965 (1.4%) and 372 (0.5%) cases as other and bloody diarrhea, respectively.

Cholera Surveillance

- Total fifteen (15) Cholera RDT positive/culture cases reported as of W14 2021. Out of those 4 was confirmed and remaining 11 were discarded by culture.
- In 2020, total 28 RDT/Culture positive cases for Cholera detected through sentinel testing. Specifically, 5 became confirmed by culture - 2 from Ukhiya Host, 1 from Teknaf host and 2 from Refugees.



2018 2019 2020 2021 W14

RDT positive
for Cholera

49 258 28 11

Culture Confirmed
for Cholera

7 184 5* 4

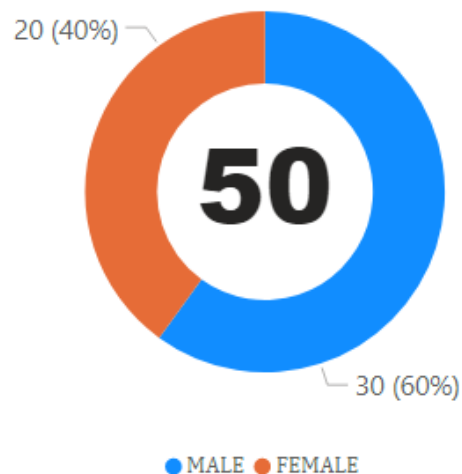
*3 culture confirmed cases were RDT negative in 2020

Community-based Mortality surveillance

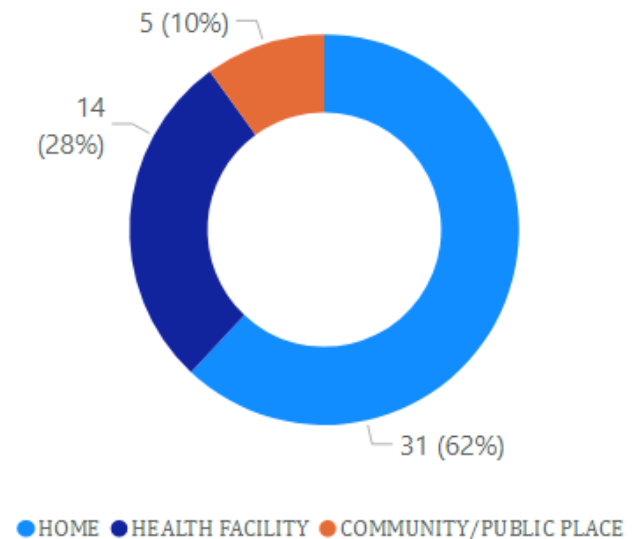
- In week 14, 50 deaths were recorded -
 - 70% (n=35) were due to causes classified as “Others”
 - 8% (n=4) as still birth (Born Dead)
 - 10% (n=5) as neonatal (<28 days old)
 - 6% (n=3) as severe respiratory infection (SARI) death
 - 4% (n=2) as infectious disease death
 - 2% (n=1) as injury related death
- Out of reported deaths, 28% occurred in health facilities, 62% at homes and 10% from community/public places.
- Partners to report all mortalities into EWARS platform using both case and event-based reporting as applicable.

Community-based Mortality Surveillance

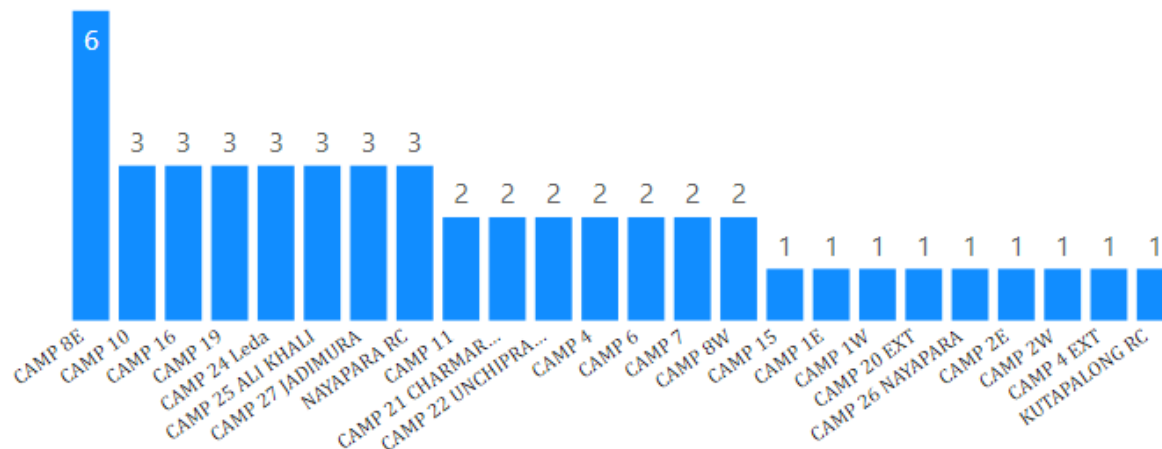
Gender distribution



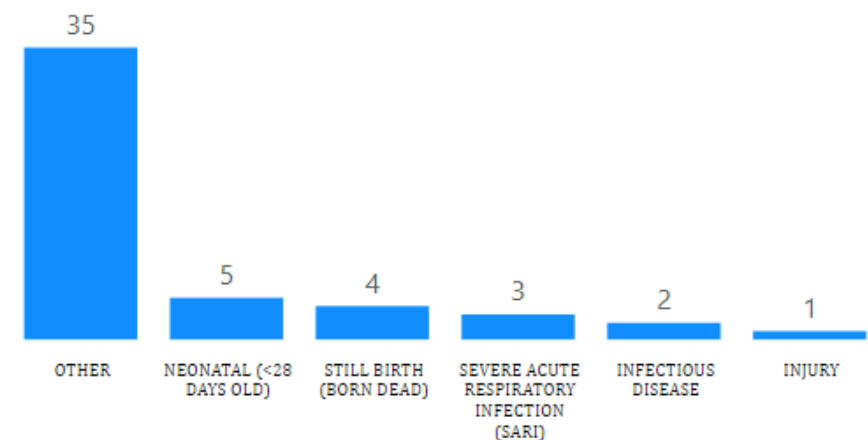
Place of death



Distribution of deceased Camp



Distribution of Probable cause of death



Bangladesh

Rohingya Emergency Response

Early Warning, Alert and
Response System (EWARS)

Epidemiological Bulletin W14 2021



Ministry of Health and Family
Welfare Bangladesh



World Health
Organization



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Sources of data

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

Highlights W14 2021

Table 1 | Coverage

#	%	
866,457	-	Estimated total Rohingya population ¹
866,457	100%	Total population under surveillance
175	-	Total number of health facilities
172	98%	Number of EWARS reporting sites

Table 2 | Early warning performance indicators

W14	Cumulative (2021)	
130	2270	Number of weekly reports received
76%	87%	Completeness
76%	82%	Timeliness

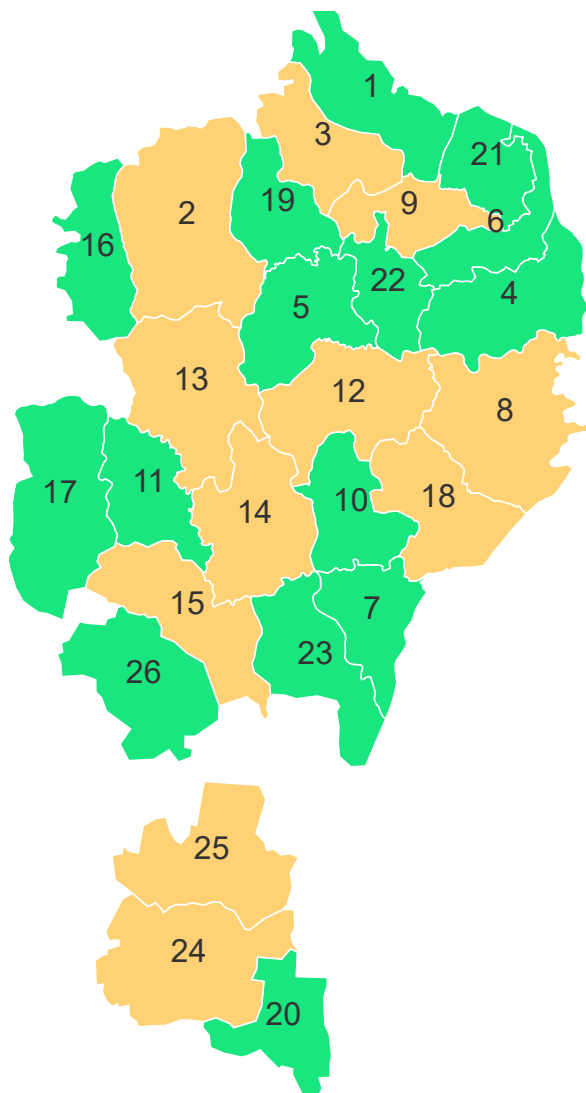
Table 3 | Alert performance indicators

W14	Cumulative (2021)	
75	1,003	Total alerts raised
100%	100%	% verified
0%	0%	% auto-discarded
0%	0%	% undergoing risk assessment
3%	1%	% completed risk assessment

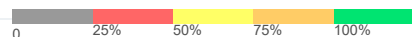
¹ Source: UNHCR. Bangladesh: Joint Government of Bangladesh- UNHCR Population Factsheet. 31 December 2020.

Map 1a | Ukhia completeness by camp

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

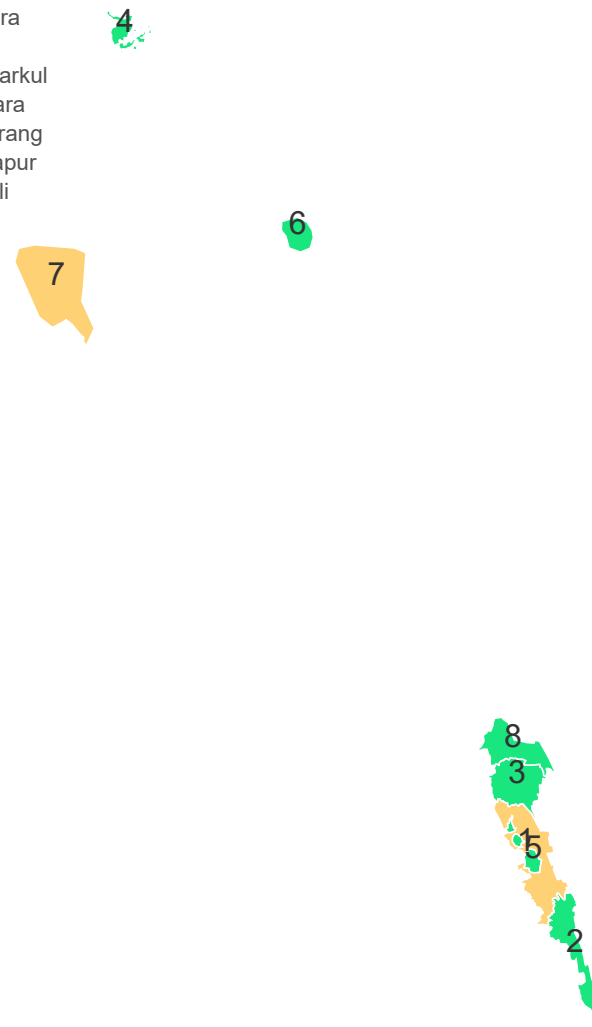


Completeness



Map 1b | Teknaf completeness by camp

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



Completeness

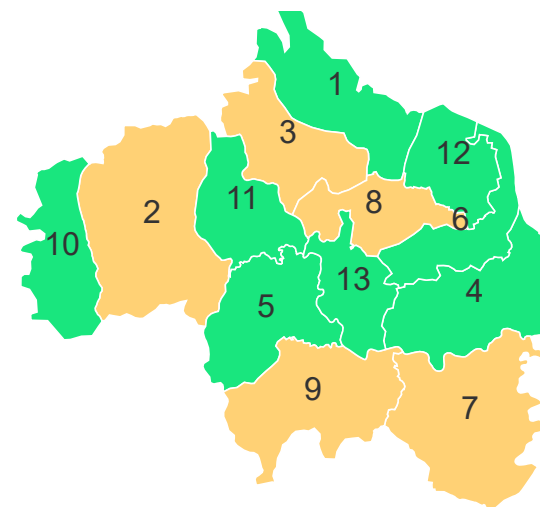


Table 4 | Performance by camp (W14 2021)

Northern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Northern Group				
Camp 1E	4	4	100%	100%
Camp 1W	4	2	50%	50%
Camp 2E	3	3	100%	100%
Camp 2W	3	2	67%	67%
Camp 3	6	6	100%	100%
Camp 4	6	4	67%	67%
Camp 4 Ext	1	1	100%	100%
Camp 5	5	4	80%	80%
Camp 6	4	3	75%	75%
Camp 7	6	5	83%	83%
Camp 8E	8	5	63%	63%
Camp 8W	6	4	67%	67%
Kutupalong RC	2	2	100%	100%

Map 2 | Completeness by camp

- 1 Camp 1E
- 2 Camp 4
- 3 Camp 1W
- 4 Camp 7
- 5 Camp 5
- 6 Camp 2E
- 7 Camp 8E
- 8 Camp 2W
- 9 Camp 8W
- 10 Camp 4 Ext
- 11 Camp 3
- 12 Kutupalong RC
- 13 Camp 6



Completeness

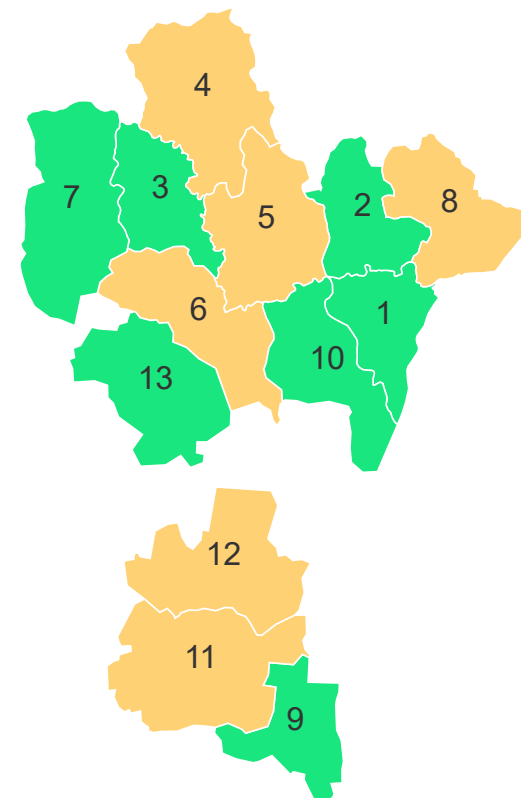


Table 5 | Performance by camp (W14 2021)

Southern group	Reporting		Performance	
	# health facilities	# reports received	Completeness	Timeliness
Ukhia Southern Group				
Camp 10	4	5	125%	125%
Camp 11	9	7	78%	78%
Camp 12	6	6	100%	100%
Camp 13	9	8	89%	89%
Camp 14	7	4	57%	57%
Camp 15	9	5	56%	56%
Camp 16	5	5	100%	100%
Camp 17	6	4	67%	67%
Camp 18	5	3	60%	60%
Camp 19	6	3	50%	50%
Camp 20	3	3	100%	100%
Camp 20 Ext	2	2	100%	100%
Camp 9	6	3	50%	50%

Map 3 | Completeness by camp

- 1 Camp 11
- 2 Camp 10
- 3 Camp 20
- 4 Camp 17
- 5 Camp 18
- 6 Camp 19
- 7 Camp 20 Ext
- 8 Camp 9
- 9 Camp 16
- 10 Camp 12
- 11 Camp 15
- 12 Camp 14
- 13 Camp 13



Completeness

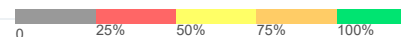


Table 6 | Performance by camp (W14 2021)

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

Map 4 | Completeness by camp

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

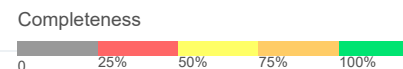
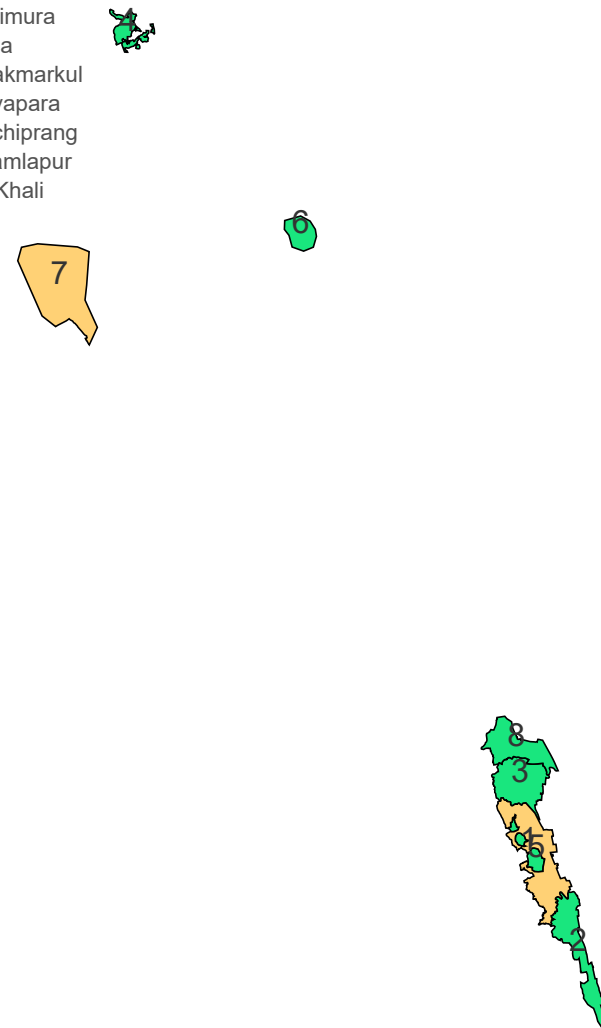


Table 7 | Performance by partner (W14 2021)

Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
BDRCS	12	10	83%	83%
BRAC	11	11	100%	100%
CARE	4	4	100%	100%
FHM	0	0		
FRNDS	12	10	83%	83%
GK	10	10	100%	100%
HMBDF	1	1	100%	100%
IOM	23	19	83%	83%
IRC	2	2	100%	100%
MSF	9	6	67%	67%
MoH	7	2	29%	29%
Hope	4	3	75%	75%
Medair	2	2	100%	100%

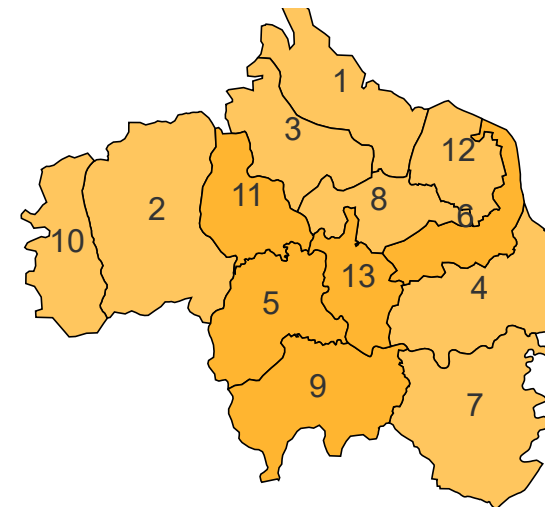
Partner	Performance		Reporting	
	# sites	# reports received	Completeness	Timeliness
FH/MTI	3	3	100%	100%
PHD	10	10	100%	100%
PWJ	1	1	100%	100%
RHU	3	3	100%	100%
RI	3	3	100%	100%
RTMI	11	10	91%	91%
SCI	7	7	100%	100%
TdH	1	0	0%	0%

Table 8 | Performance by camp

Northern group	W14		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 1E	1	100%	20	100%
Camp 1W	1	100%	36	100%
Camp 2E	3	100%	74	100%
Camp 2W	1	100%	27	100%
Camp 3	3	100%	51	100%
Camp 4	2	100%	50	100%
Camp 4 Ext	1	100%	8	100%
Camp 5	4	100%	40	100%
Camp 6	3	100%	28	100%
Camp 7	1	100%	10	100%
Camp 8E	2	100%	16	100%
Camp 8W	5	100%	51	100%
Kutupalong RC	2	100%	13	100%

Map 5 | Number of alerts by camp

- 1 Camp 1E
- 2 Camp 4
- 3 Camp 1W
- 4 Camp 7
- 5 Camp 5
- 6 Camp 2E
- 7 Camp 8E
- 8 Camp 2W
- 9 Camp 8W
- 10 Camp 4 Ext
- 11 Camp 3
- 12 Kutupalong RC
- 13 Camp 6



of alerts

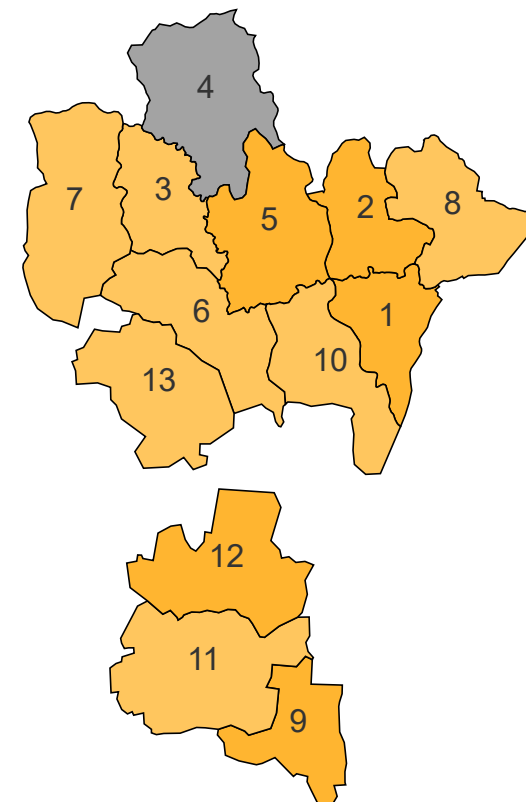


Table 9 | Performance by camp

Southern group	W14		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 10	5	100%	40	100%
Camp 11	3	100%	32	100%
Camp 12	1	100%	39	100%
Camp 13	1	100%	36	100%
Camp 14	3	100%	29	100%
Camp 15	2	100%	31	100%
Camp 16	4	100%	41	100%
Camp 17	0	0%	28	100%
Camp 18	3	100%	42	100%
Camp 19	1	100%	17	100%
Camp 20	1	100%	25	100%
Camp 20 Ext	1	100%	16	100%
Camp 9	1	100%	46	100%

Map 6 | Number of alerts by camp

- 1 Camp 11
- 2 Camp 10
- 3 Camp 20
- 4 Camp 17
- 5 Camp 18
- 6 Camp 19
- 7 Camp 20 Ext
- 8 Camp 9
- 9 Camp 16
- 10 Camp 12
- 11 Camp 15
- 12 Camp 14
- 13 Camp 13



of alerts

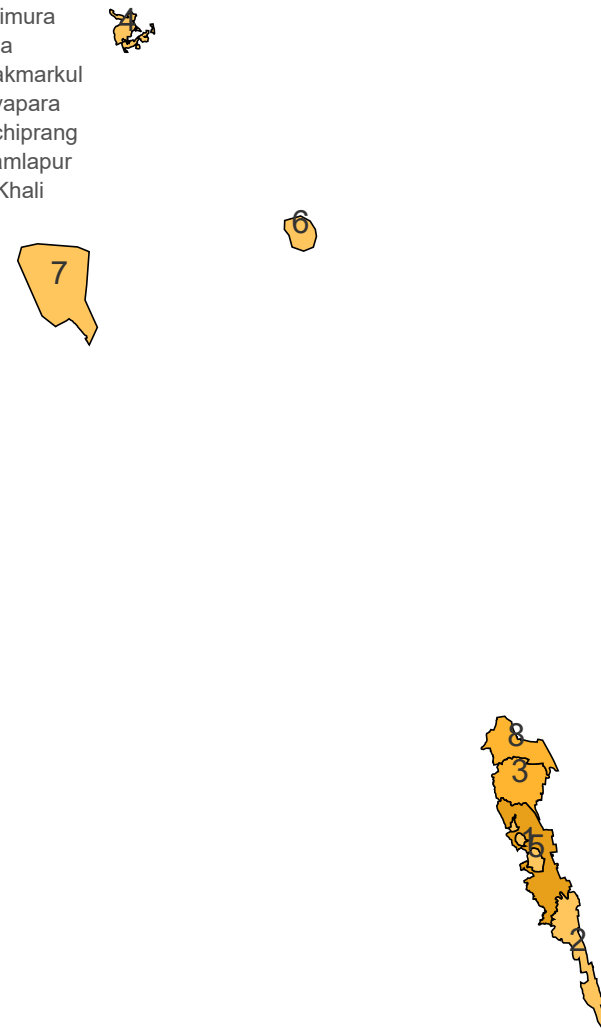


Table 10 | Performance by camp

Teknaf	W14		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Alerts Northern group				
Camp 21 Chakmarkul	2	100%	7	100%
Camp 22 Unchiprang	2	100%	19	100%
Camp 23 Shamlapur	1	100%	12	100%
Camp 24 Leda	3	100%	26	100%
Camp 25 Ali Khali	3	100%	8	100%
Camp 26 Nayapara	6	100%	53	100%
Camp 27 Jadimura	1	100%	5	100%
Nayapara RC	2	100%	15	100%

Map 7 | Number of alerts by camp

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



of alerts



Table 11 | Performance by type of alert

Event	W14		Cumulative (2021)	
	# alerts	% verif.	# alerts	% verif.
Indicator-based surveillance				
Malaria	0	0%	0	0%
Measles	10	100%	152	100%
Bloody Diarr.	0	0%	0	0%
AFP	0	0%	4	100%
Meningitis	0	0%	14	100%
Haem. fever (susp.)	0	0%	2	100%
NNT	0	0%	0	0%
Unexp. fever	5	100%	39	100%
AWD	6	100%	83	100%
ARI	4	100%	71	100%
AJS	0	0%	8	100%
Varicella (Susp.)	2	100%	29	100%
Suspected COVID-19	0	0%	0	0%
Event-based surveillance				
EBS total	7	100%	78	100%

Table 12 | Risk assessment

W14	Cumulative (2021)	
1	11	Low risk
0	1	Moderate risk
0	1	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 W14 2021



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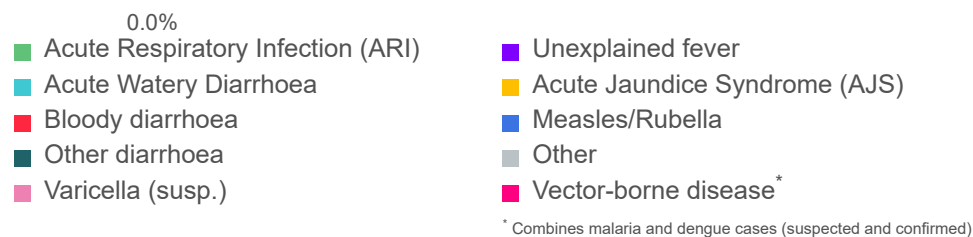
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Proportional morbidity

Figure 1 | Proportional morbidity (W14 2021)



Disease	W14		2021	
	# cases	% morbidity	# cases	% morbidity
AWD	2,518	3.5%	38,555	3.0%
Bloody diarr.	372	0.5%	5,314	0.4%
Other diarr.	965	1.4%	13,238	1.0%
Susp. Varicella	189	0.3%	2,616	0.2%
ARI	10,905	15.4%	249,627	19.3%
Measles/Rub.	13	0.0%	240	0.0%
AFP	0	0.0%	5	0.0%
Susp. menin.	2	0.0%	44	0.0%
AJS	5	0.0%	129	0.0%
Susp. HF	0	0.0%	1	0.0%
Neo. tetanus	0	0.0%	0	0.0%
Adult tetanus	0	0.0%	1	0.0%
Malaria (conf.)	1	0.0%	4	0.0%
Malaria (susp.)	512	0.7%	2,659	0.2%
Dengue (conf.)	0	0.0%	1	0.0%
Dengue (susp.)	2	0.0%	14	0.0%
Unexpl. fever	1,024	1.4%	12,878	1.0%
Sev. Malnut.	20	0.0%	578	0.0%
Inj./Wounds	1,964	2.8%	34,305	2.6%
Other	52,491	73.9%	934,853	72.2%
Total	70,001	100%	1,295,641	100%

Trend in consultations and key diseases

Figure 2 | Trend in proportional morbidity for key diseases (W14)

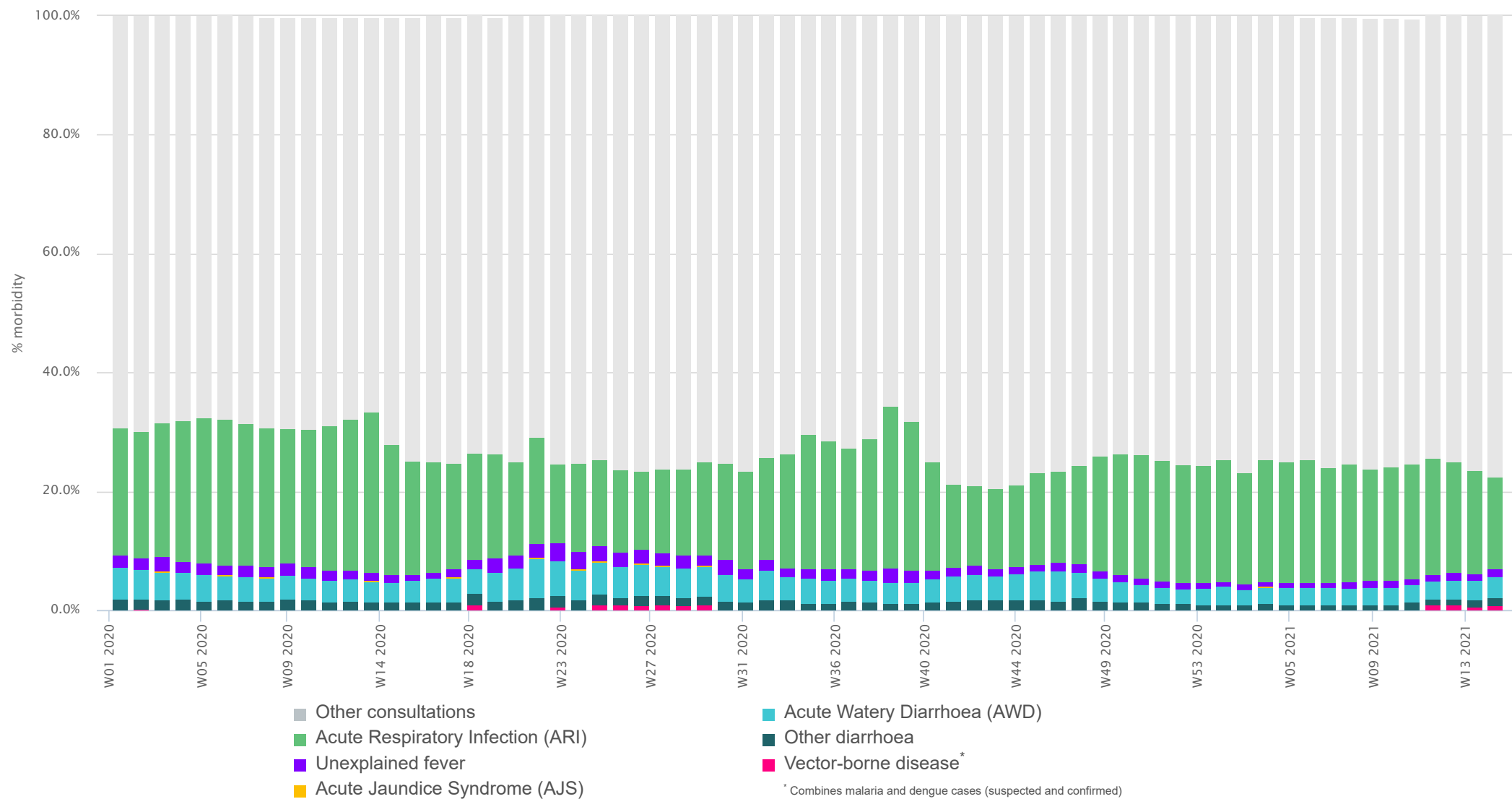
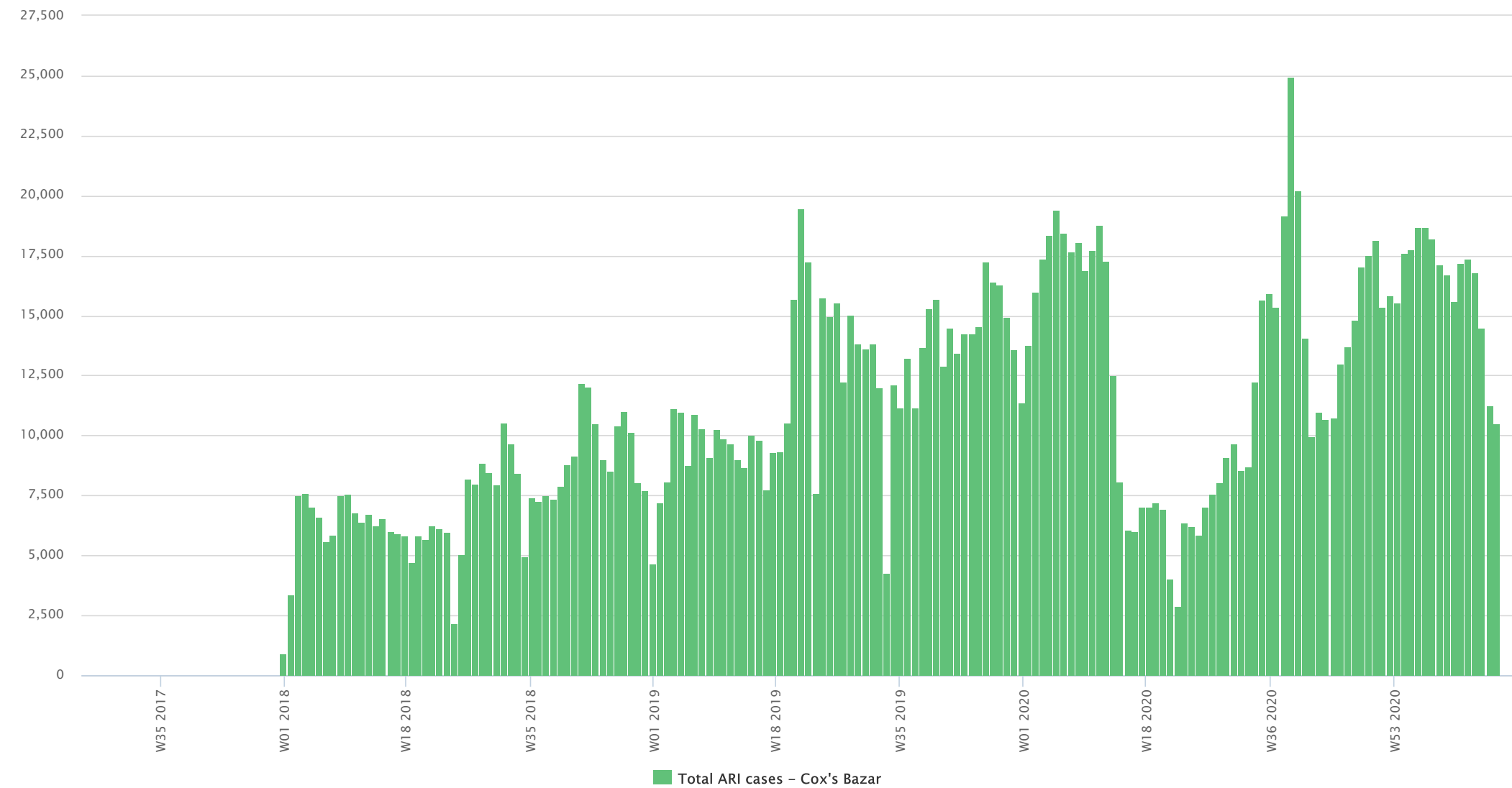
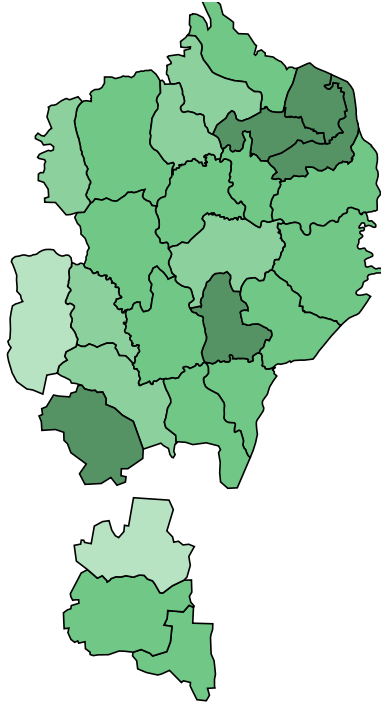


Figure 3 | Trend in number of cases over time (W38 2017 - W14 2021)

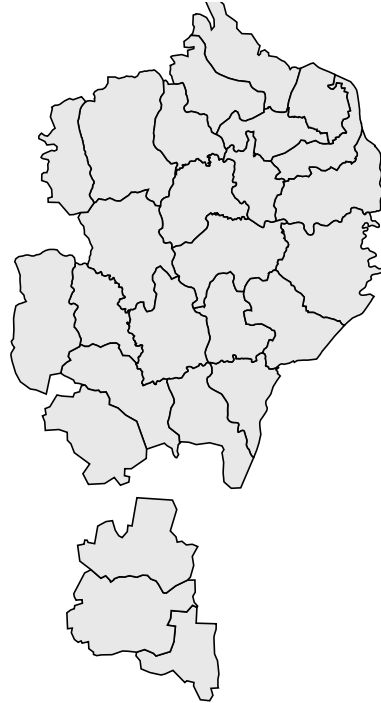


Map 1 | Map of cases by camp (W14 2021)

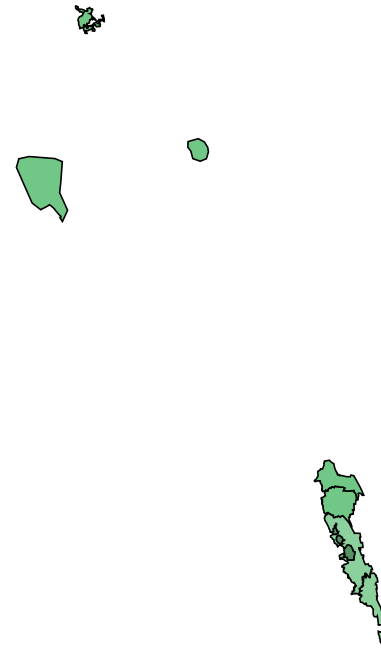
a. Ukhia | Number of cases



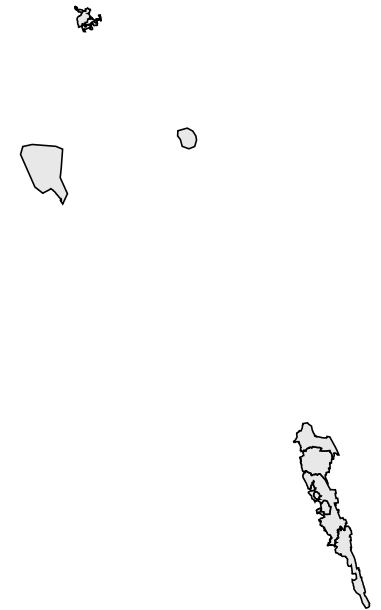
b. Ukhia | Number of alerts



c. Teknaf | Number of cases



d. Teknaf | Number of alerts

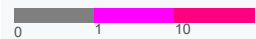


Map legend

Number of cases



Number of alerts



Alert threshold

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

Alert management (W14 2021)

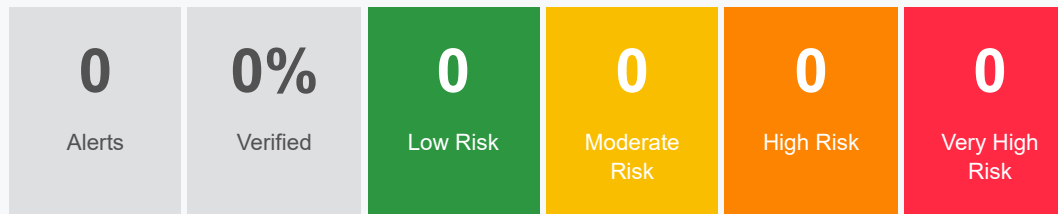
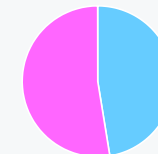
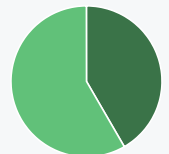


Figure | % sex



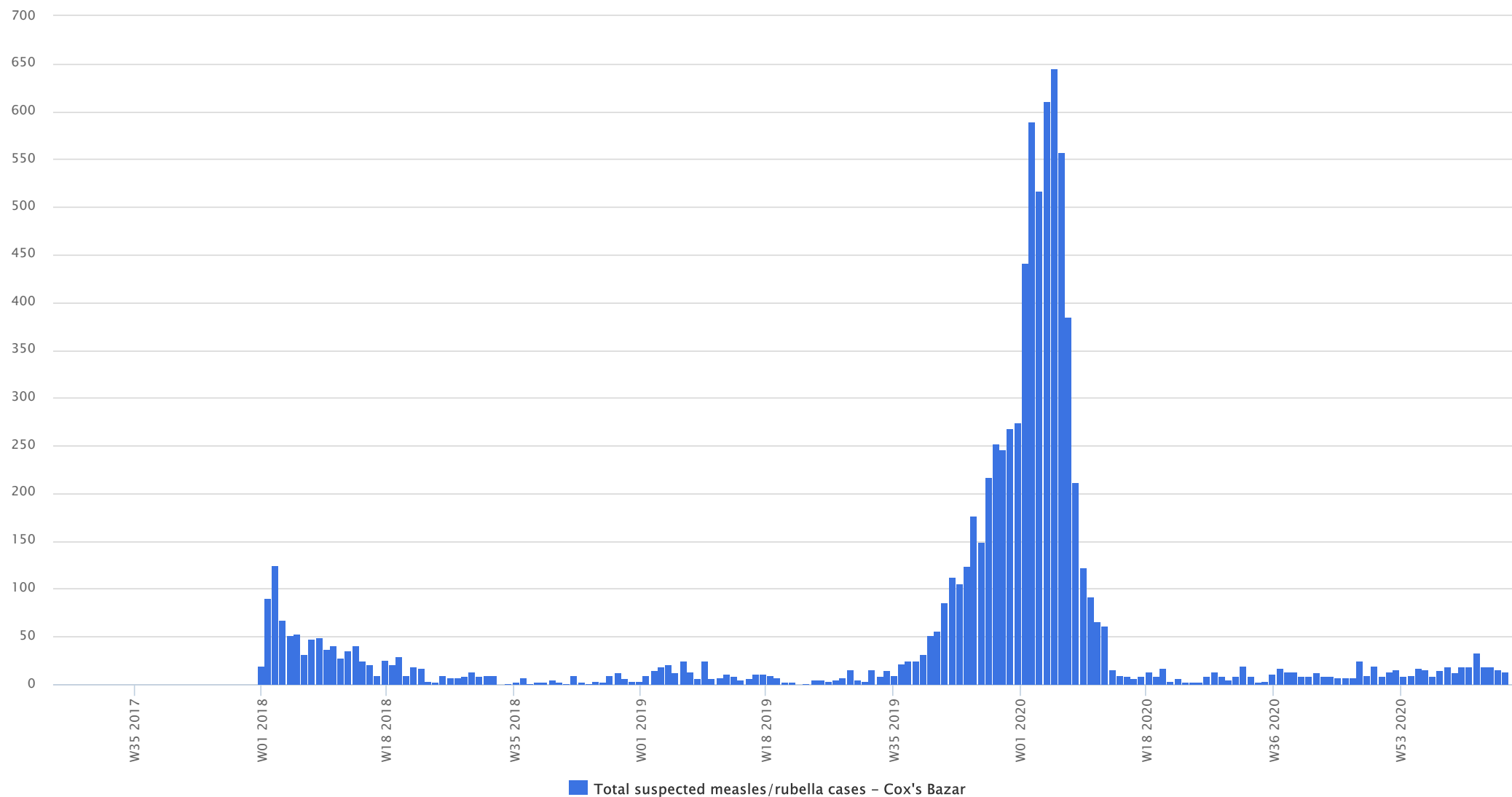
Male Female

Figure | % age



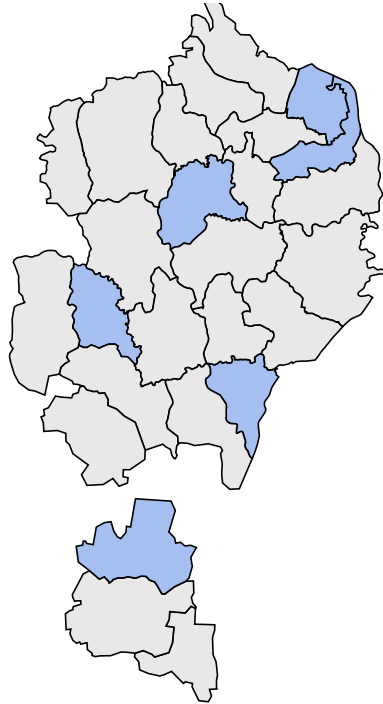
>=5 < 5

Figure 4 | Trend in number of suspected cases over time (W38 2017 - W14 2021)

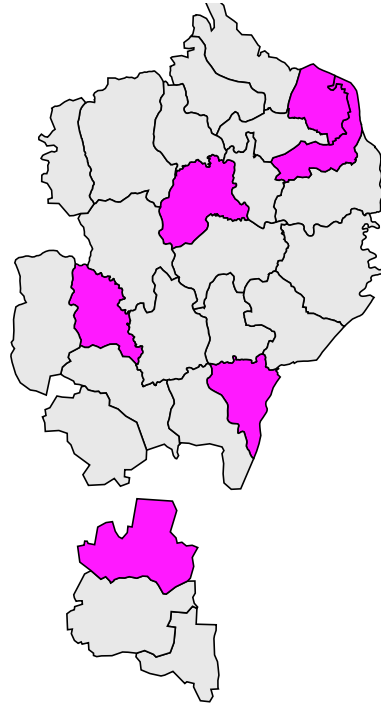


Map 2 | Map of cases by camp (W14 2021)

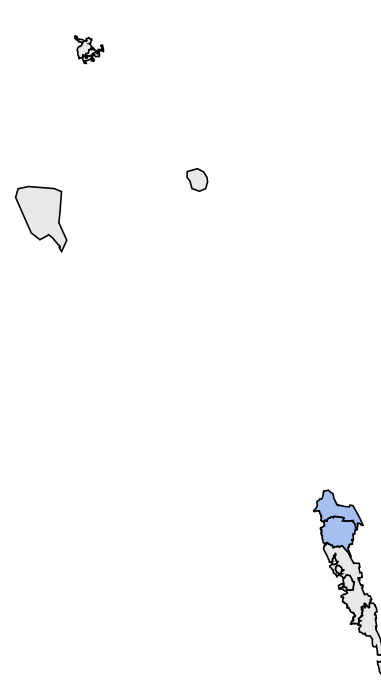
a. Ukhia | Number of cases



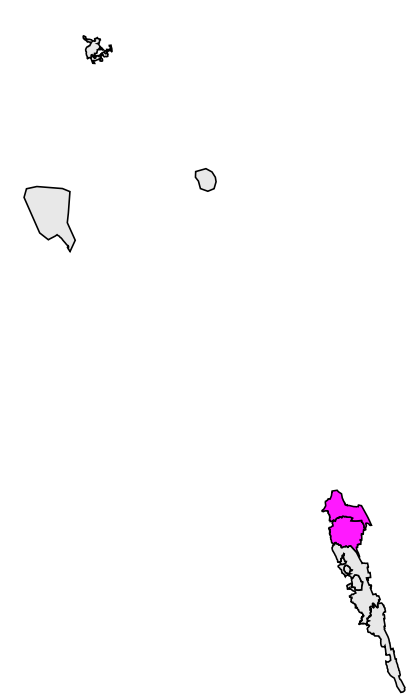
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

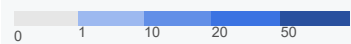


d. Teknaf | Number of alerts



Map legend

Number of cases



Number of alerts



Alert threshold

1 case. Source: IEDCR

Alert management (W14 2021)

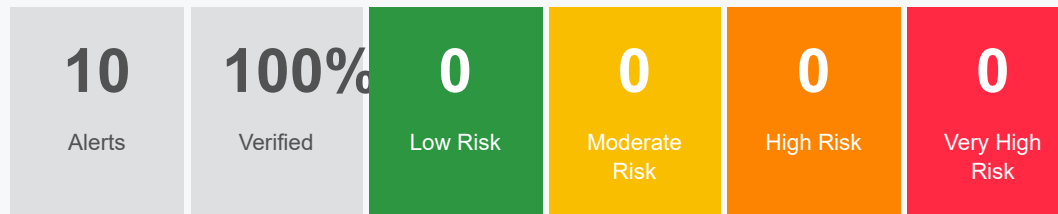
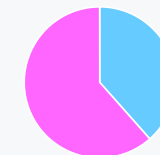


Figure | % sex



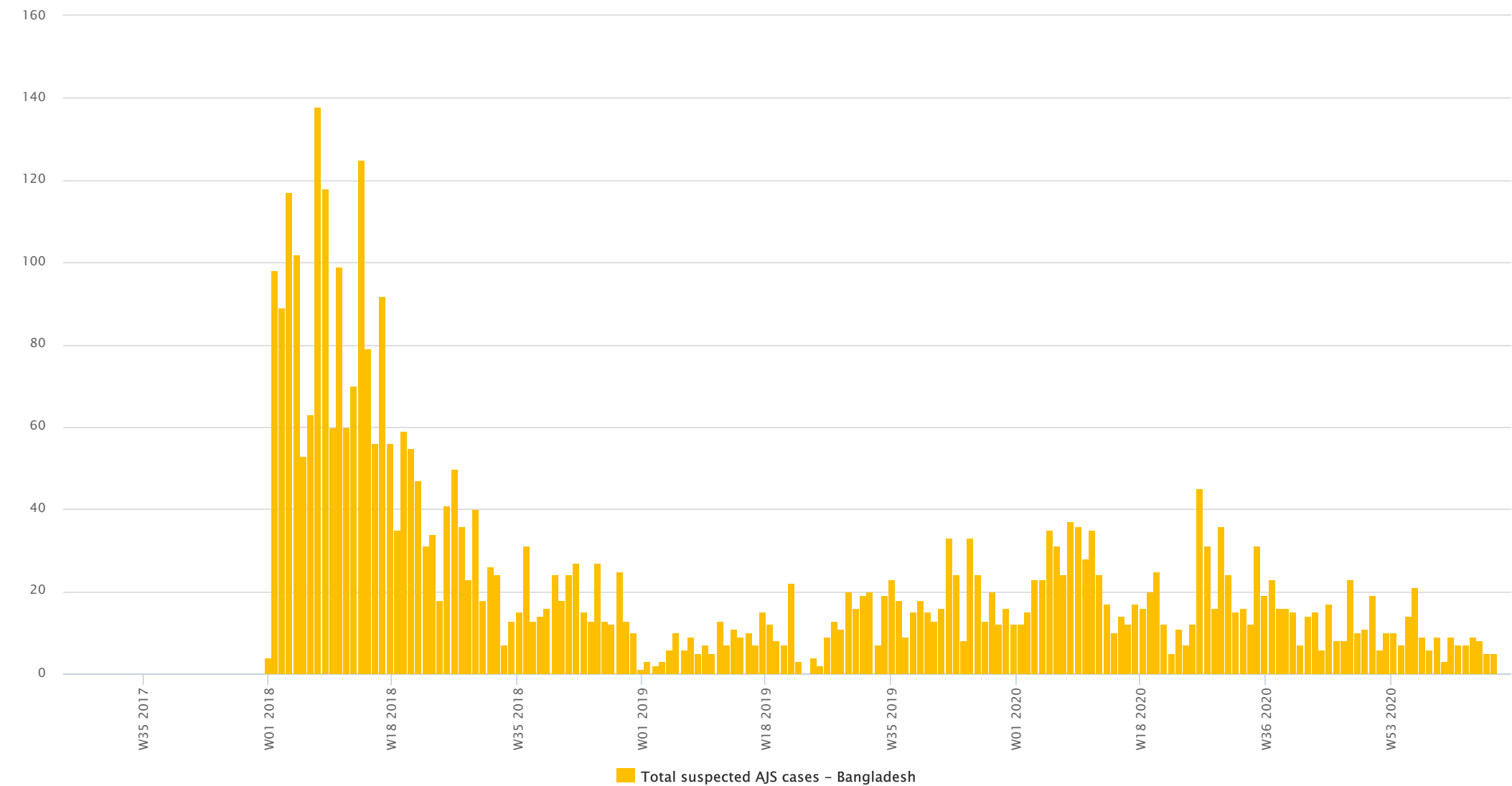
Male Female

Figure | % age



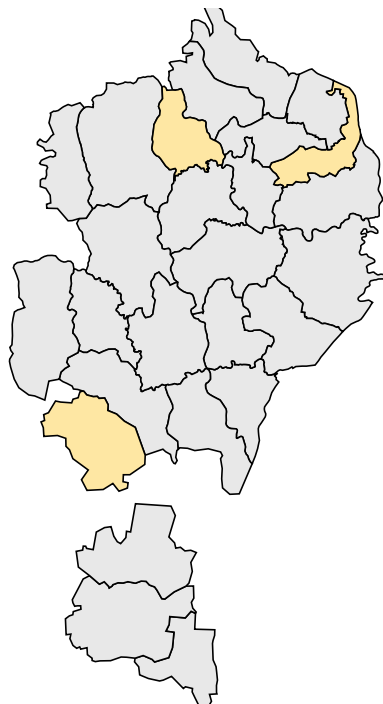
>= 5 < 5

Figure 5 | Trend in number of cases over time (W38 2017 - W14 2021)

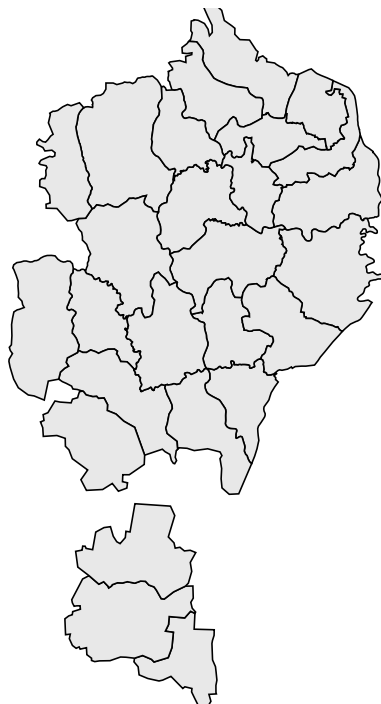


Map 3 | Map of cases by camp (W37 2017 - W14 2021)

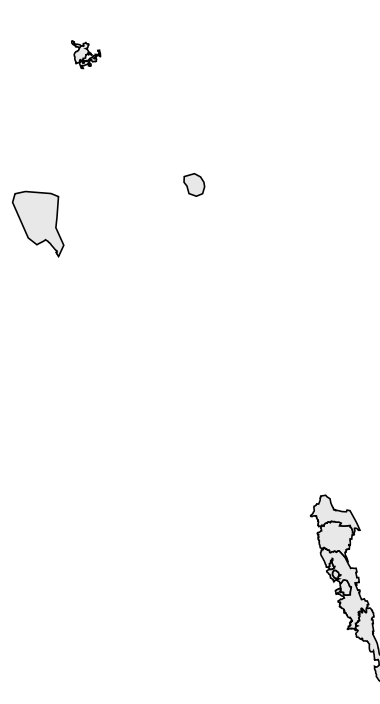
a. Ukhia | Number of cases



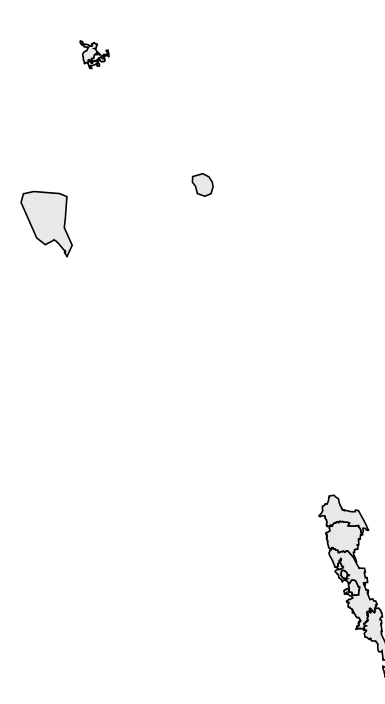
b. Ukhia | Number of alerts



c. Teknaf | Number of cases

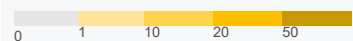


d. Teknaf | Number of alerts



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 (W14 2021)

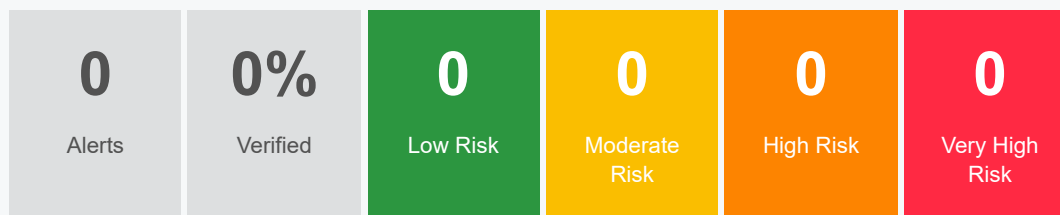
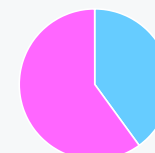


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

Figure 6 | Trend in number of cases over time (W38 2017 - W14 2021)

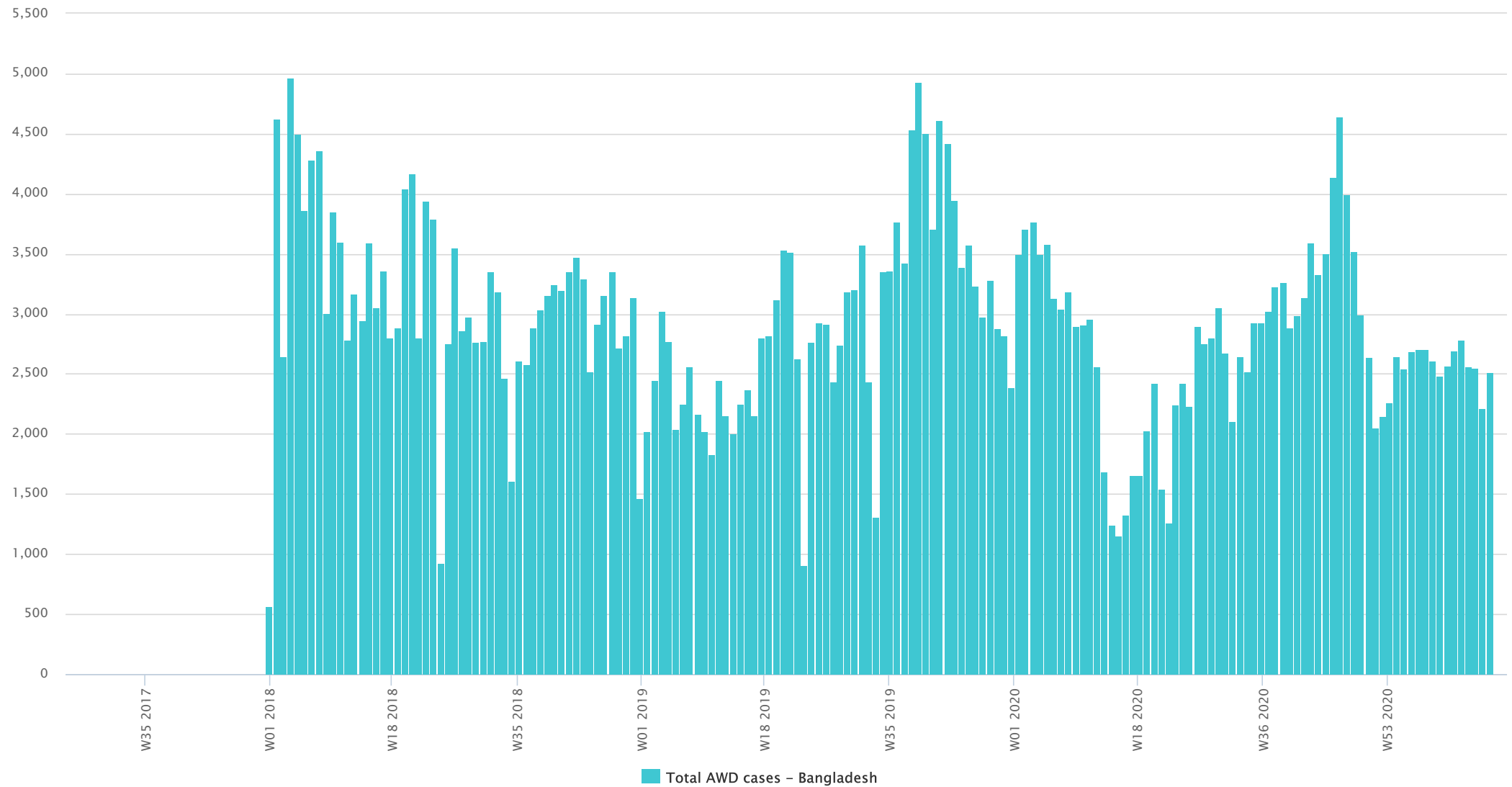
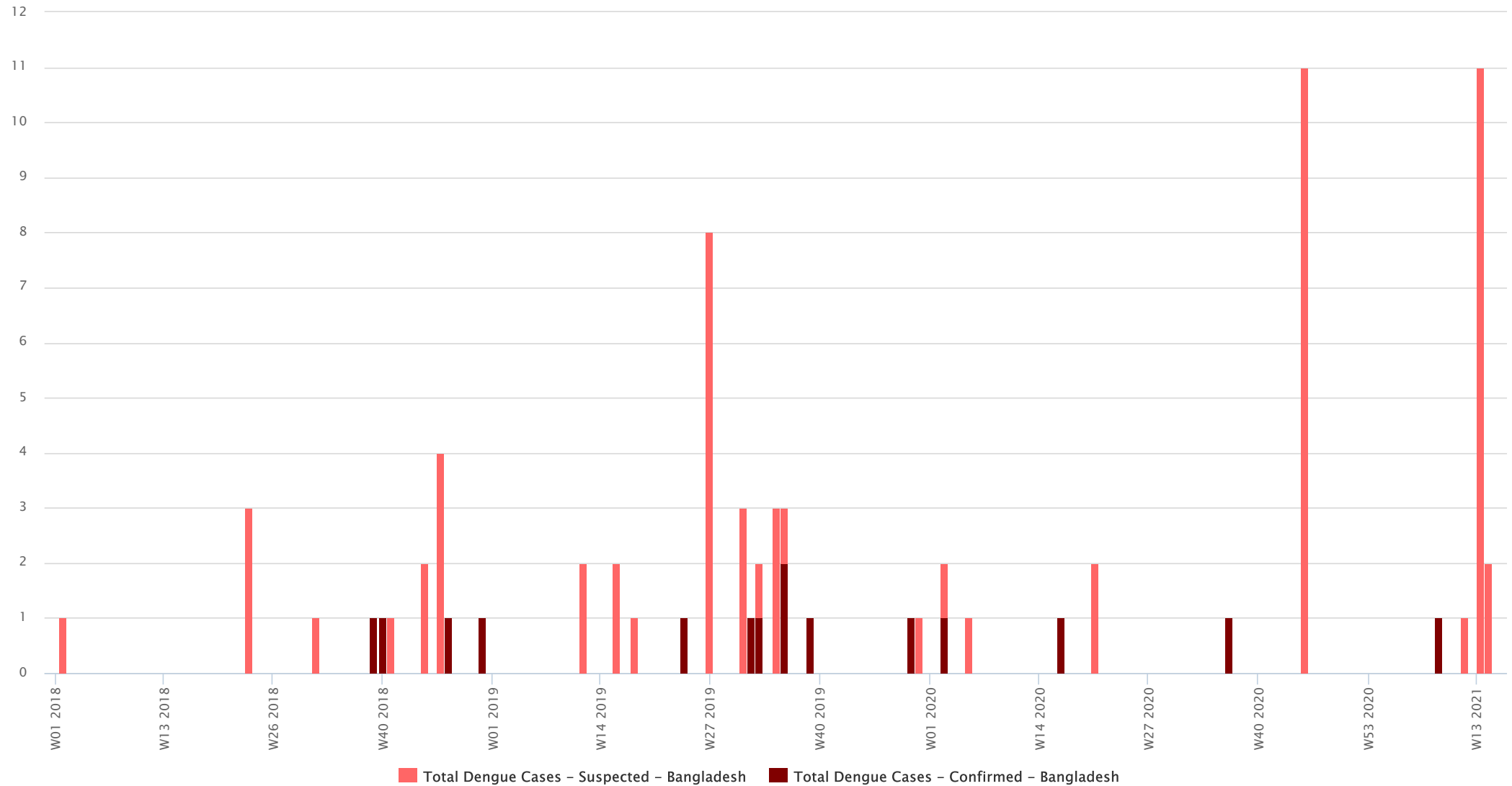


Figure 7 | Trend in number of cases over time (W38 2017 - W14 2021)



Map 4 | Map of cases by camp (W37 2017 - W14 2021)

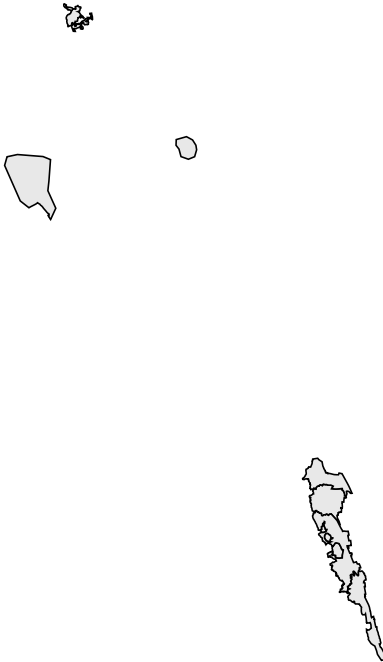
a. Ukhia | Number of cases



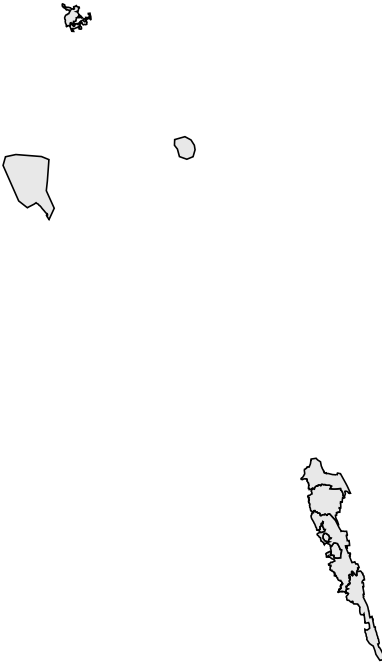
b. Ukhia | Number of alerts



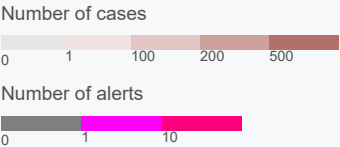
c. Teknaf | Number of cases



d. Teknaf | Number of alerts



Map legend



Alert threshold

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

Alert management (W14 2021)

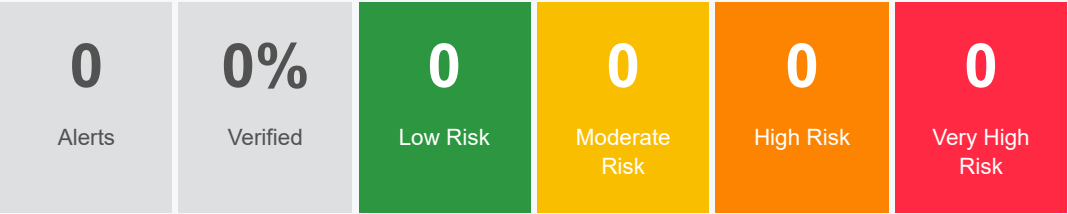


Figure | % sex

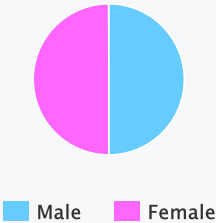


Figure | % age

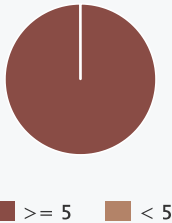
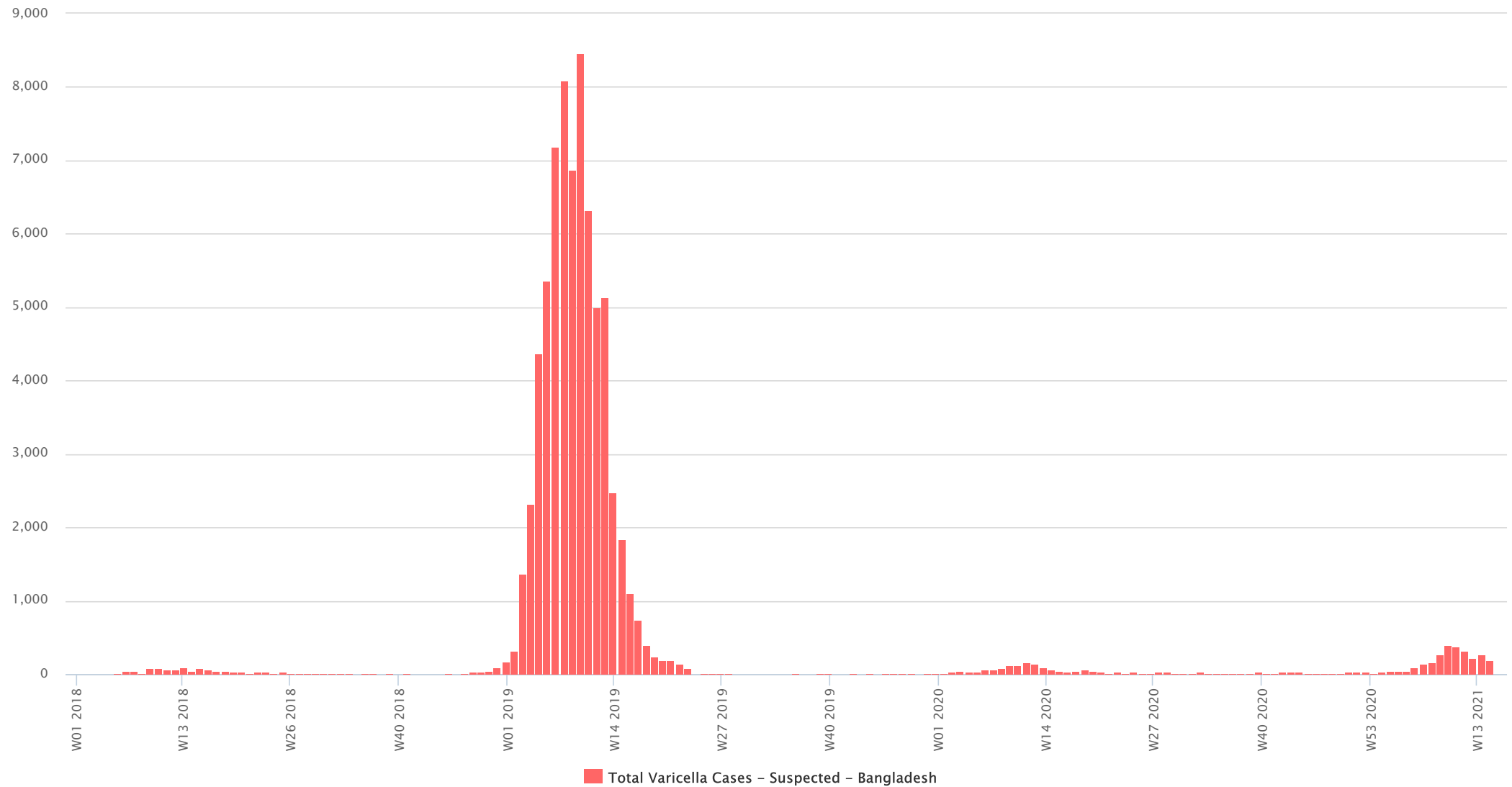
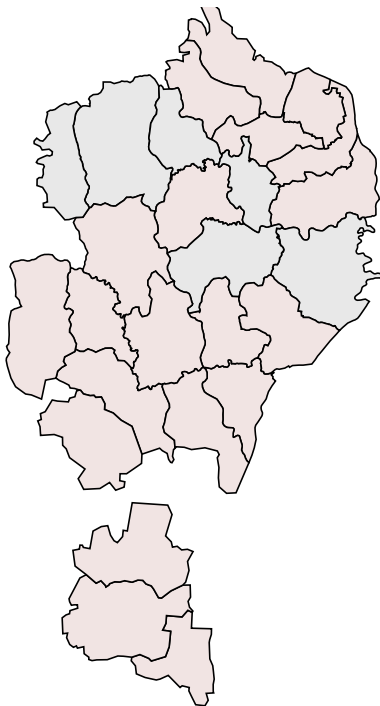


Figure 7 | Trend in number of cases over time (W38 2017 - W14 2021)

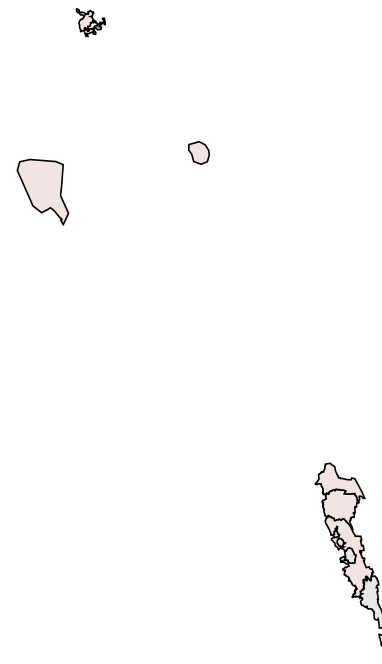


Map 4 | Map of cases by camp (W37 2017 - W14 2021)

a. Ukhia | Number of cases



c. Teknaf | Number of cases



Map legend

Number of cases

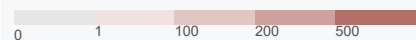
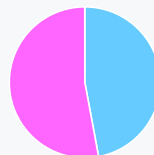
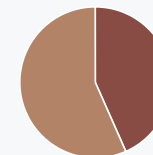


Figure | % sex



Male Female

Figure | % age



>= 5 < 5

For more help and support, please contact:

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Notes

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

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

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

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