Global EWARS

# Epidemiological Highlights

## Week 5 (27-02 Feb 2020)

World Health Organization

# Highlights:

- 1 AWD RDT positive case reported from host community Teknaf in week 5
- Measles Outbreak Response Immunization going on the camp from January 12 to February 12, 2020 and target age group is 6 month to < 10 year in the camp population
- 2nd dose OCV campaign in the Host Community scheduled from 19 January - 8 February, 2020 and proposed date for the Camps 15-20 February, 2020
- Acute Respiratory Infection (ARI), Diarrheal Diseases & Unexplained Fever are the diseases with highest proportional morbidity in last week. These syndromic conditions remained relatively the same over last several weeks.

# EWARS Reporting Updates

- Total 149/166 (90%) health facilities registered in EWARS
- Only 112/ 149 weekly reports received last week
- Completeness and Timeliness for this week is 72%
- Total 68 alerts were triggered this week which more than as previous week (64 reported last week).
- All alerts were reviewed and verified by EWARS team.

# Diphtheria

No new case-patients reported in week 5 (due to reporting delay)

A total of 9 003 case-patients were reported in EWARS form 2017 to till date

- Confirmed = 323
- Probable = 2 780
- Suspected = 5 900

Total Case reported in 2020 = 39

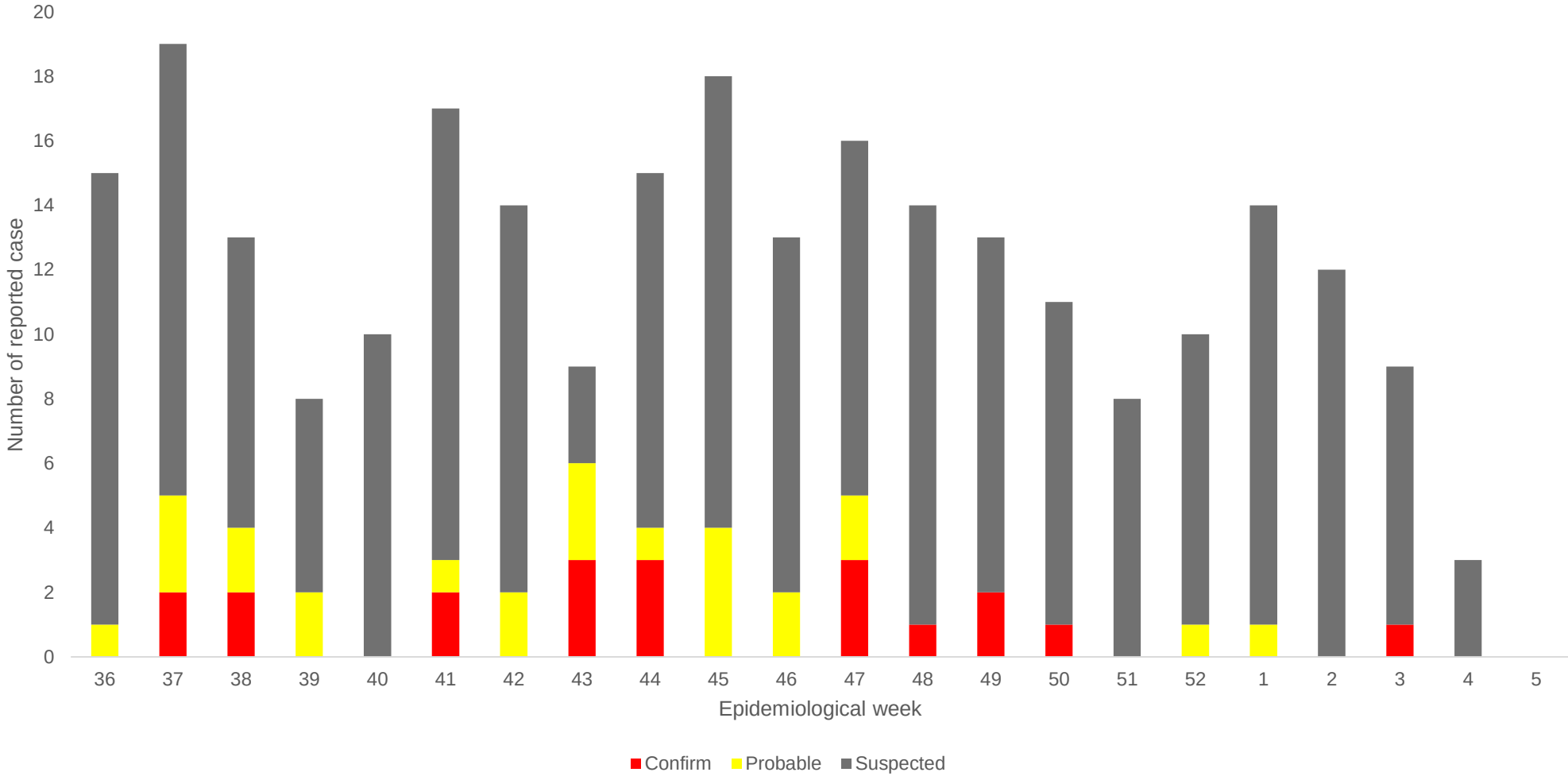
- Confirmed = 1
- Probable = 2
- Suspected = 36

Last confirmed case was reported in Week 3 (13 January 2020)

Total deaths reported in EWARS 46. Last death was reported 25 October 2019

Go.Data now being implemented for diphtheria contact tracing.

# Diphtheria



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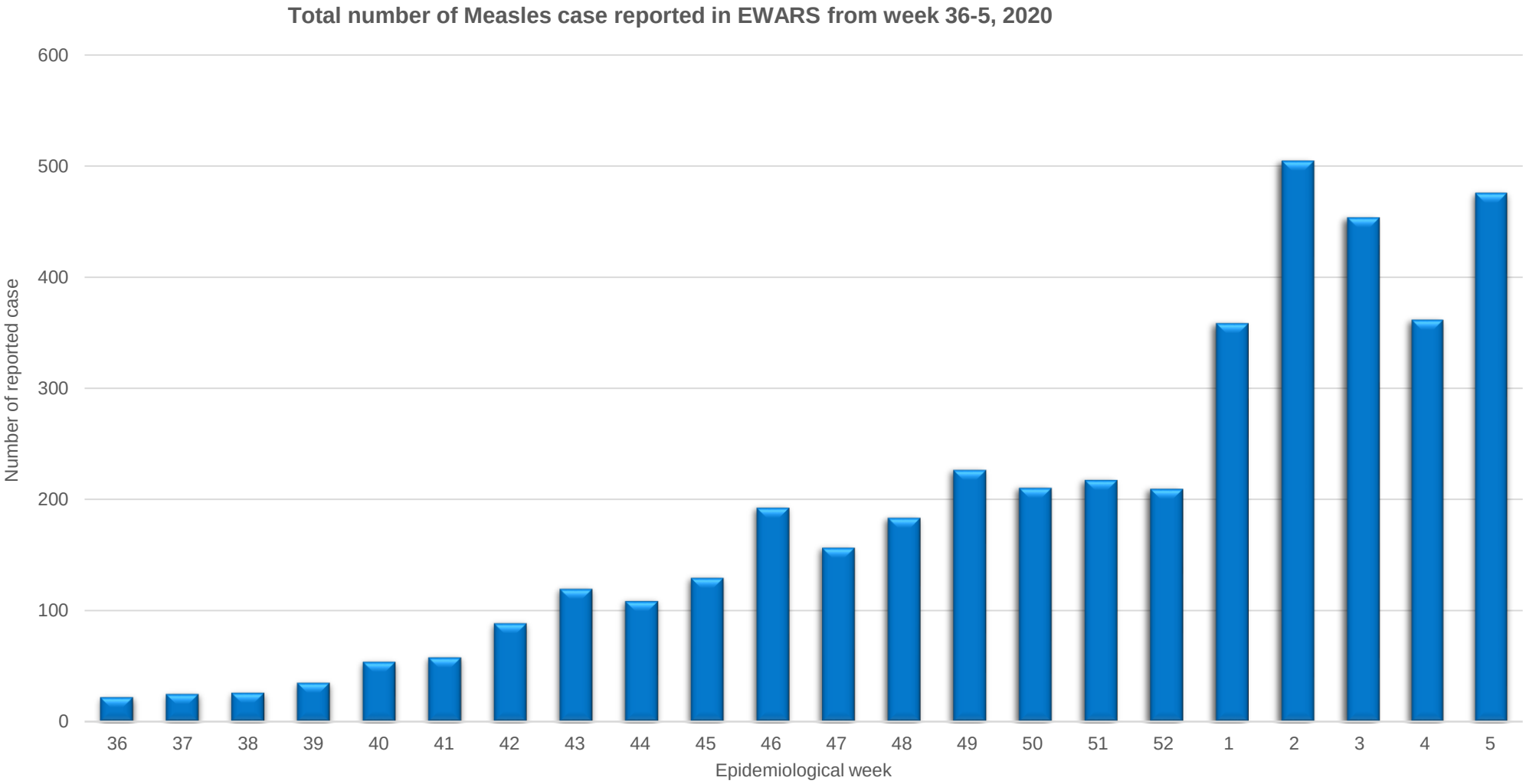
# Measles

- 476 suspected measles cases were reported through weekly report form in EWARS in week 5
- Out of total 2 156 in 2020, 1 417(66%) case were reported via measles case report form.
- Outbreak response immunization is being conducted now in camps.

# Measles



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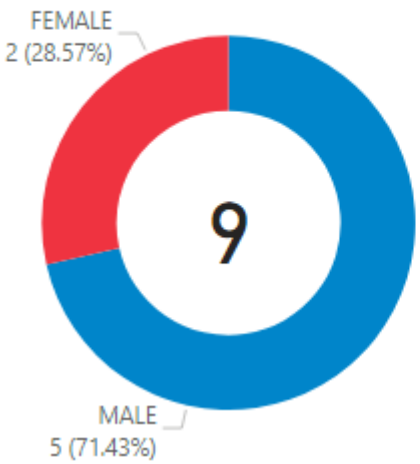
# Diarrhoeal Disease

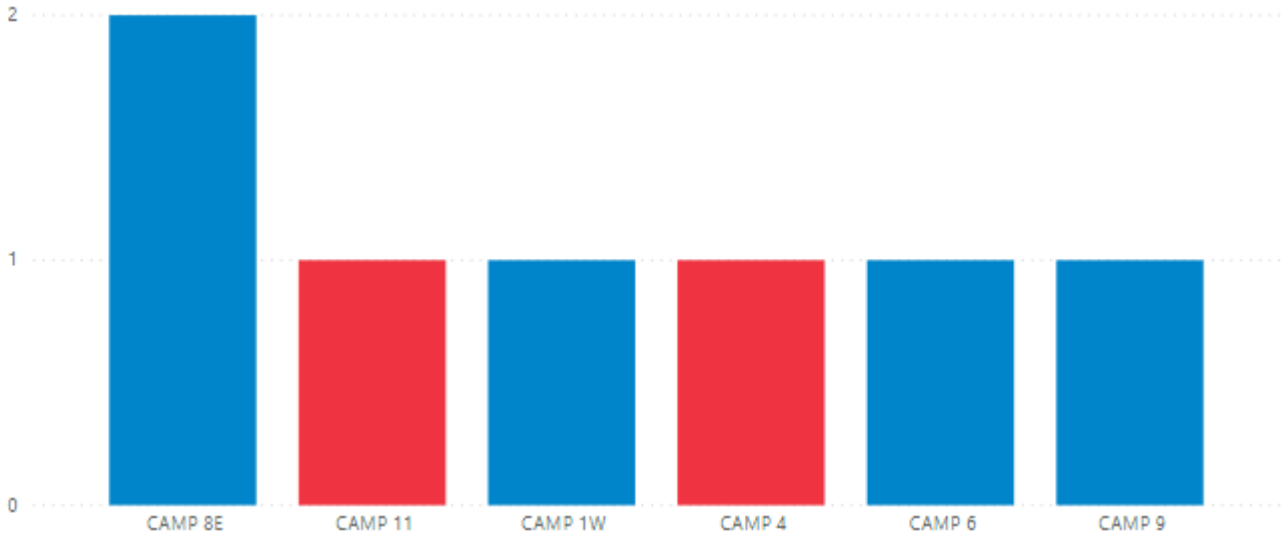
- A total 4 175 diarrhoeal diseases cases reported in EWARS in week 5
- Among which 2 474 cases reported with acute watery diarrhoea (AWD), 431 cases reported with bloody diarrhoea and 1 270 cases reported with other diarrhoea.
- Diarrhoeal diseases are the second highest contributor of proportional morbidity after acute respiratory infection (ARI).

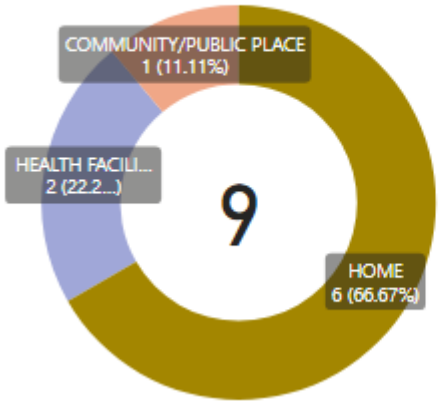
# Community-based surveillance

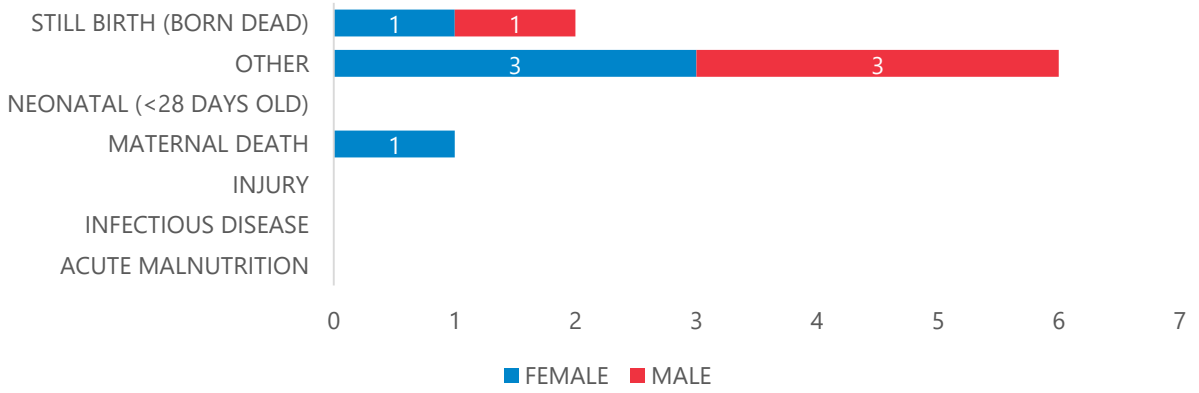
- In week 5, total of 9 deaths were recorded. 66.66% (n=6) were due to causes classified as “Others”,, 22.22% (n=2) as still birth and 11.11% (n=1) as maternal death.
- There were a total of 1 mortality alert raised for women of reproductive age (12-49 years).
- 27.2% of deaths reported from health facility, 63.64% from homes and 9.09% from community/public place.
- We would like to urge donor agencies to inform their partners to report **all mortalities** into EWARS using the “Community-based mortality surveillance” form.

# Community-based surveillance



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# Bangladesh

## Rohingya Emergency Response

## Early Warning, Alert and Response System (EWARS)

Epidemiological Bulletin W5 2020

Ministry of Health and Family Welfare Bangladesh

World Health Organization

HEALTH SECTOR COX'S BAZAR

Printed: 10:01 Tuesday, 04 February 2020 UTC

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## Sources of data

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

# Highlights W5 2020

**Table 1** | Coverage

| # | % | |
|---|---|---|
| 932,930 | - | Estimated total Rohingya population[1] |
| 919,946 | 99% | Total population under surveillance |
| 166 | - | Total number of health facilities |
| 149 | 90% | Number of EWARS reporting sites |

**Table 2** | Early warning performance indicators

| W5 | Cumulative (2020) | |
|---|---|---|
| 112 | 602 | Number of weekly reports received |
| 72% | 69% | Completeness |
| 72% | 66% | Timeliness |

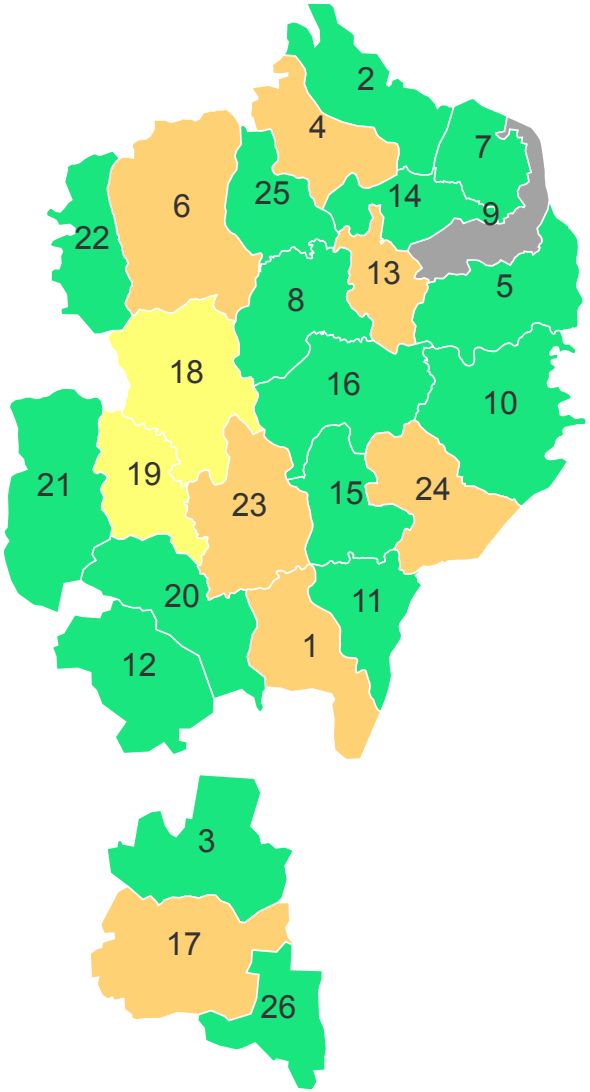
**Table 3** Alert performance indicators

| W5 | Cumulative (2020) | |
|---|---|---|
| 68 | 358 | Total alerts raised |
| 100% | 100% | % verified |
| 0% | 0% | % auto-discarded |
| 0% | 0% | % undergoing risk assessment |
| 0% | 0% | % completed risk assessment |

[1] Source: IOM. Bangladesh: Needs and Population Monitoring - NPM R11 Report. 14 June 2018.

## Map 1a | Ukhia completeness by camp

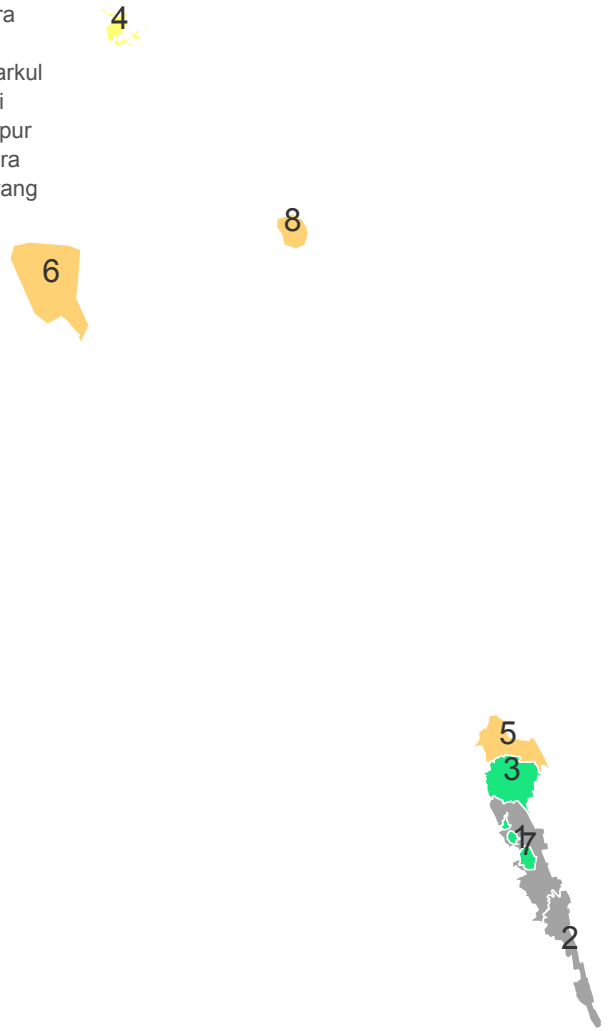
1 Camp 12
2 Camp 1E
3 Camp 14
4 Camp 1W
5 Camp 7
6 Camp 4
7 Kutupalong RC
8 Camp 5
9 Camp 2E
10 Camp 8E
11 Camp 11
12 Camp 13
13 Camp 6
14 Camp 2W
15 Camp 10
16 Camp 8W
17 Camp 15
18 Camp 17
19 Camp 20
20 Camp 19
21 Camp 20 Ext
22 Camp 4 Ext
23 Camp 18
24 Camp 9
25 Camp 3
26 Camp 16




Completeness
0 25% 50% 75% 100%

## Map 1b | Teknaf completeness by camp

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




Completeness
0 25% 50% 75% 100%



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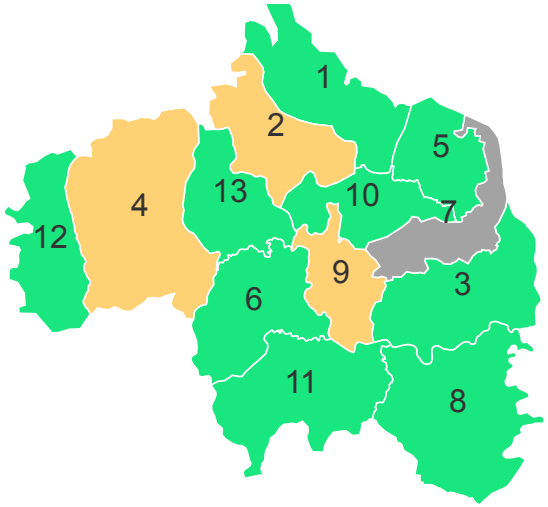
**Table 4** | Performance by camp (W5 2020)

| Northern group | Reporting | | Performance | |
|---|---|---|---|---|
| | # health facilities | # reports received | Completeness | Timeliness |
| Camp 1E | 5 | 4 | 80% | 80% |
| Camp 1W | 3 | 2 | 67% | 67% |
| Camp 2E | 1 | 0 | 0% | 0% |
| Camp 2W | 2 | 2 | 100% | 100% |
| Camp 3 | 6 | 5 | 83% | 83% |
| Camp 4 | 9 | 4 | 50% | 50% |
| Camp 4 Ext | 1 | 1 | 100% | 100% |
| Camp 5 | 5 | 5 | 100% | 100% |
| Camp 6 | 3 | 2 | 67% | 67% |
| Camp 7 | 5 | 4 | 100% | 100% |
| Camp 8E | 7 | 5 | 83% | 83% |
| Camp 8W | 8 | 7 | 100% | 100% |
| Kutupalong RC | 2 | 3 | 150% | 150% |

**Map 2** | Completeness by camp

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




Completeness

0 25% 50% 75% 100%



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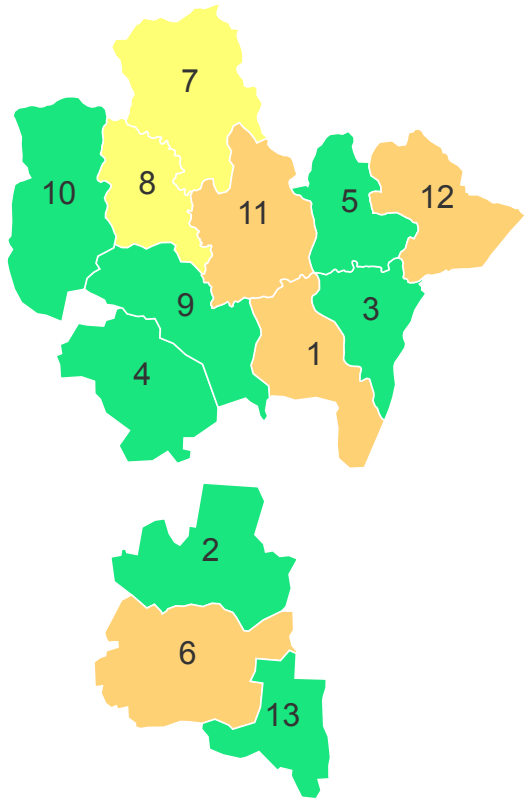
**Table 5** | Performance by camp (W5 2020)

| Southern group | Reporting | | Performance | |
|---|---|---|---|---|
| | # health facilities | # reports received | Completeness | Timeliness |
| Camp 10 | 4 | 4 | 100% | 100% |
| Camp 11 | 10 | 9 | 100% | 100% |
| Camp 12 | 8 | 6 | 71% | 71% |
| Camp 13 | 12 | 8 | 89% | 89% |
| Camp 14 | 8 | 6 | 75% | 75% |
| Camp 15 | 9 | 4 | 50% | 50% |
| Camp 16 | 4 | 4 | 100% | 100% |
| Camp 17 | 5 | 2 | 40% | 40% |
| Camp 18 | 6 | 4 | 67% | 67% |
| Camp 19 | 5 | 4 | 80% | 80% |
| Camp 20 | 3 | 1 | 33% | 33% |
| Camp 20 Ext | 1 | 1 | 100% | 100% |
| Camp 9 | 7 | 4 | 60% | 60% |

**Map 3** | Completeness by camp

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




Completeness
0 25% 50% 75% 100%



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**Table 6** | Performance by camp (W5 2020)

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

**Map 4** | Completeness by camp

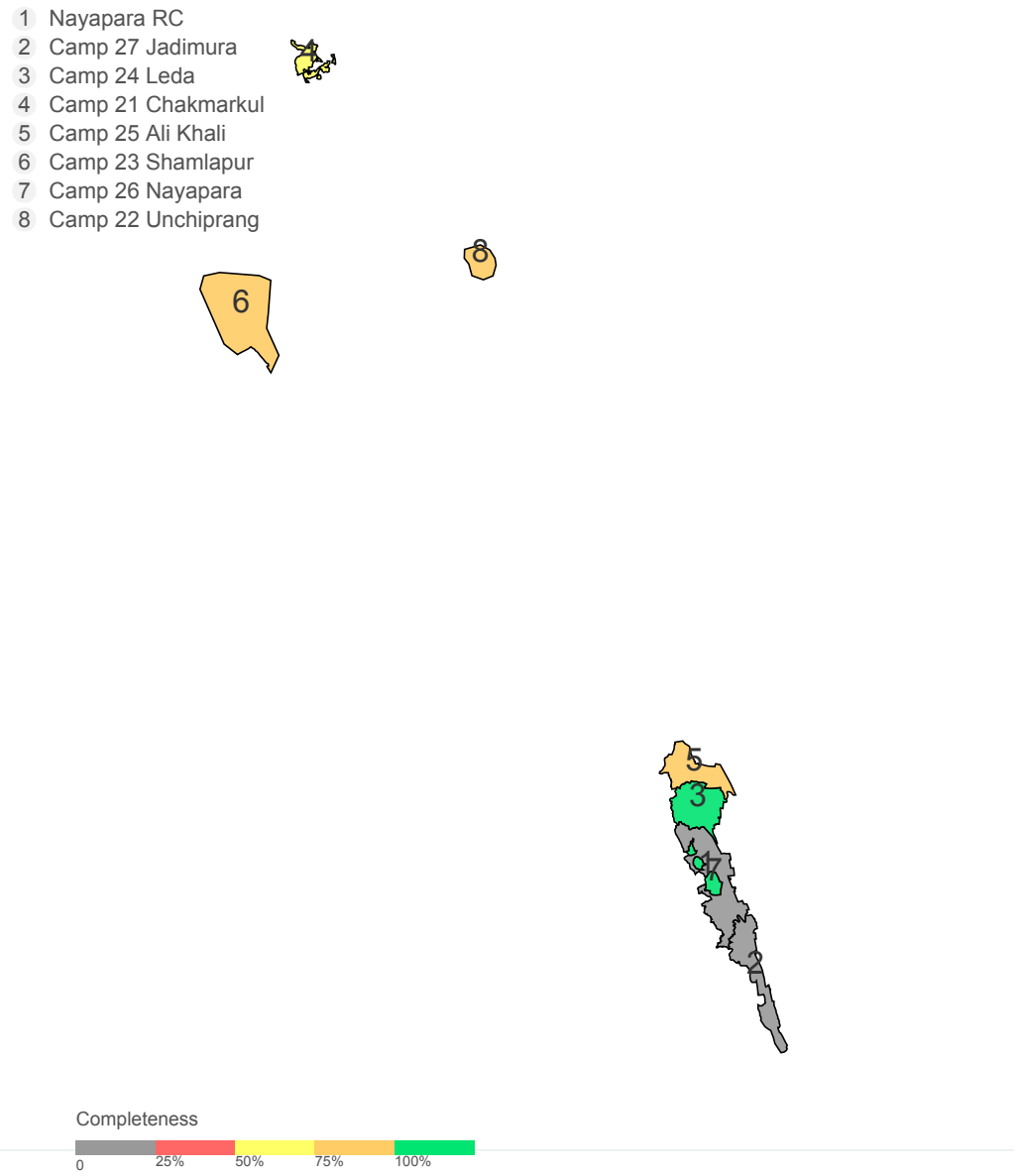


**Table 7** | Performance by partner (W5 2020)

| Partner | Performance | | Reporting | |
|---|---|---|---|---|
| | # sites | # reports received | Completeness | Timeliness |
| BDRCS | 4 | 2 | 50% | 50% |
| BRAC | 11 | 11 | 100% | 100% |
| CARE | 4 | 4 | 100% | 100% |
| FHM | 1 | 0 | 0% | 0% |
| FRNDS | 13 | 12 | 92% | 92% |
| GK | 9 | 9 | 100% | 100% |
| HMBDF | 1 | 1 | 100% | 100% |
| IOM | 18 | 15 | 83% | 83% |
| IRC | 1 | 1 | 100% | 100% |
| MSF | 9 | 5 | 56% | 56% |
| MoH | 0 | 1 | 0% | 0% |
| Hope | 2 | 2 | 100% | 100% |
| Medair | 1 | 1 | 100% | 100% |

| Partner | Performance | | Reporting | |
|---|---|---|---|---|
| | # sites | # reports received | Completeness | Timeliness |
| MTI | 4 | 4 | 100% | 100% |
| PHD | 9 | 9 | 100% | 100% |
| PWJ | 1 | 1 | 100% | 100% |
| RHU | 3 | 3 | 100% | 100% |
| RI | 3 | 3 | 100% | 100% |
| RTMI | 8 | 6 | 75% | 75% |
| SCI | 10 | 0 | 0% | 0% |
| TdH | 1 | 0 | 0% | 0% |

**Table 8** | Performance by camp

| Northern group | W5 | | Cumulative (2020) | |
|---|---|---|---|---|
| | # alerts | % verif. | # alerts | % verif. |
| Camp 1E | 3 | 100% | 15 | 100% |
| Camp 1W | 0 | 0% | 3 | 100% |
| Camp 2E | 0 | 0% | 6 | 100% |
| Camp 2W | 1 | 100% | 6 | 100% |
| Camp 3 | 3 | 100% | 24 | 100% |
| Camp 4 | 6 | 100% | 30 | 100% |
| Camp 4 Ext | 1 | 100% | 6 | 100% |
| Camp 5 | 4 | 100% | 24 | 100% |
| Camp 6 | 0 | 0% | 2 | 100% |
| Camp 7 | 2 | 100% | 3 | 100% |
| Camp 8E | 1 | 100% | 8 | 100% |
| Camp 8W | 3 | 100% | 17 | 100% |
| Kutupalong RC | 2 | 100% | 2 | 100% |

**Map 5** | Number of alerts by camp

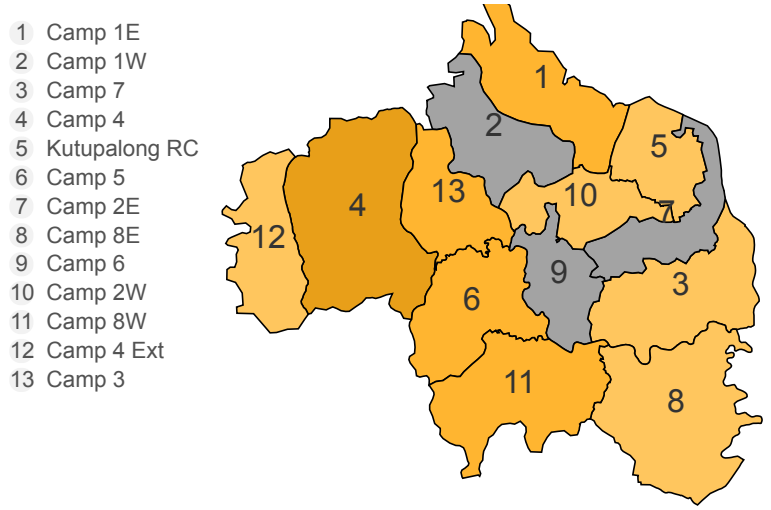
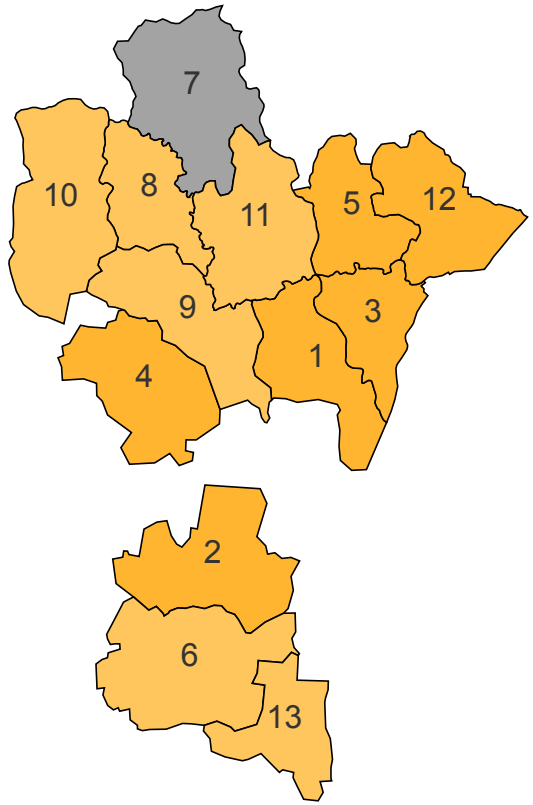


**Table 9** | Performance by camp

| Southern group | W5 | | Cumulative (2020) | |
|---|---|---|---|---|
| | # alerts | % verif. | # alerts | % verif. |
| Camp 10 | 3 | 100% | 13 | 100% |
| Camp 11 | 4 | 100% | 20 | 100% |
| Camp 12 | 5 | 100% | 24 | 100% |
| Camp 13 | 5 | 100% | 17 | 100% |
| Camp 14 | 4 | 100% | 11 | 100% |
| Camp 15 | 2 | 100% | 13 | 100% |
| Camp 16 | 2 | 100% | 18 | 100% |
| Camp 17 | 0 | 0% | 3 | 100% |
| Camp 18 | 2 | 100% | 9 | 100% |
| Camp 19 | 1 | 100% | 16 | 100% |
| Camp 20 | 1 | 100% | 9 | 100% |
| Camp 20 Ext | 1 | 100% | 2 | 100% |
| Camp 9 | 3 | 100% | 16 | 100% |

**Map 6** | Number of alerts by camp

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




# of alerts
0 2 5 10



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**Table 10** | Performance by camp

| Teknaf | W5 | | Cumulative (2020) | |
|---|---|---|---|---|
| | # alerts | % verif. | # alerts | % verif. |
| Camp 21 Chakmarkul | 2 | 100% | 12 | 100% |
| Camp 22 Unchiprang | 0 | 0% | 1 | 100% |
| Camp 23 Shamlapur | 1 | 100% | 1 | 100% |
| Camp 24 Leda | 2 | 100% | 7 | 100% |
| Camp 25 Ali Khali | 0 | 0% | 0 | 0% |
| Camp 26 Nayapara | 4 | 100% | 16 | 100% |
| Camp 27 Jadimura | 0 | 0% | 2 | 100% |
| Nayapara RC | 0 | 0% | 1 | 100% |

**Map 7** | Number of alerts by camp

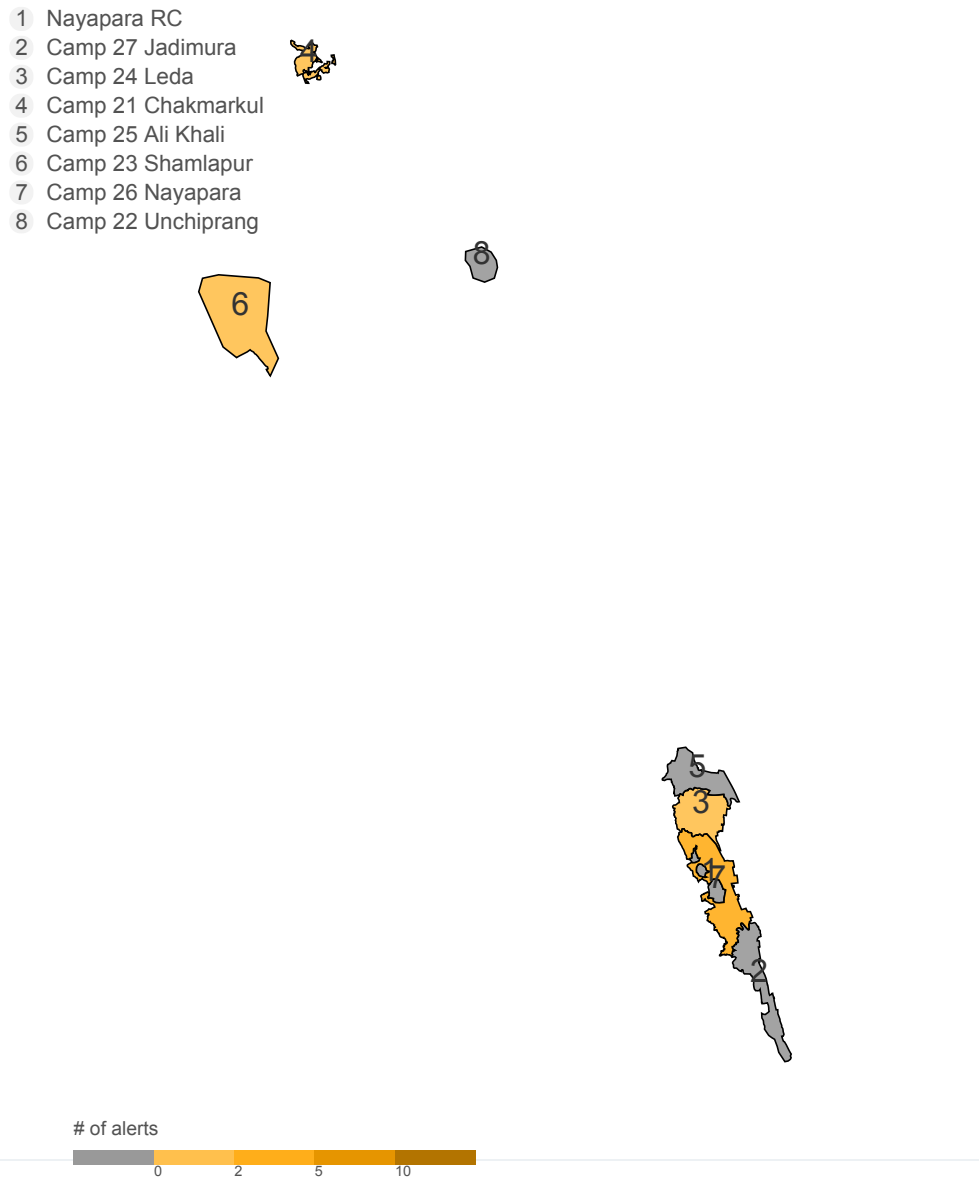




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**Table 11** | Performance by type of alert

| Event | W5 | | Cumulative (2020) | |
|---|---|---|---|---|
| | # alerts | % verif. | # alerts | % verif. |
| **Indicator-based surveillance** | | | | |
| Malaria | 0 | 0% | 0 | 0% |
| Measles | 47 | 100% | 243 | 100% |
| Bloody Diarr. | 0 | 0% | 0 | 0% |
| AFP | 0 | 0% | 3 | 100% |
| Meningitis | 1 | 100% | 5 | 100% |
| Haem. fever (susp.) | 1 | 100% | 2 | 100% |
| NNT | 0 | 0% | 0 | 0% |
| Unexp. fever | 5 | 100% | 19 | 100% |
| AWD | 5 | 100% | 20 | 100% |
| ARI | 4 | 100% | 27 | 100% |
| AJS | 1 | 100% | 10 | 100% |
| Varicella (Susp.) | 0 | 0% | 1 | 100% |
| **Event-based surveillance** | | | | |
| EBS total | 4 | 100% | 27 | 100% |

**Table 12** | Risk assessment

| W5 | Cumulative (2020) | |
|---|---|---|
| 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

Ministry of Health and Family Welfare Bangladesh

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# Bangladesh

## Rohingya Emergency Response

## Early Warning, Alert and Response System (EWARS)

Annex W5 2020

Ministry of Health and Family Welfare Bangladesh

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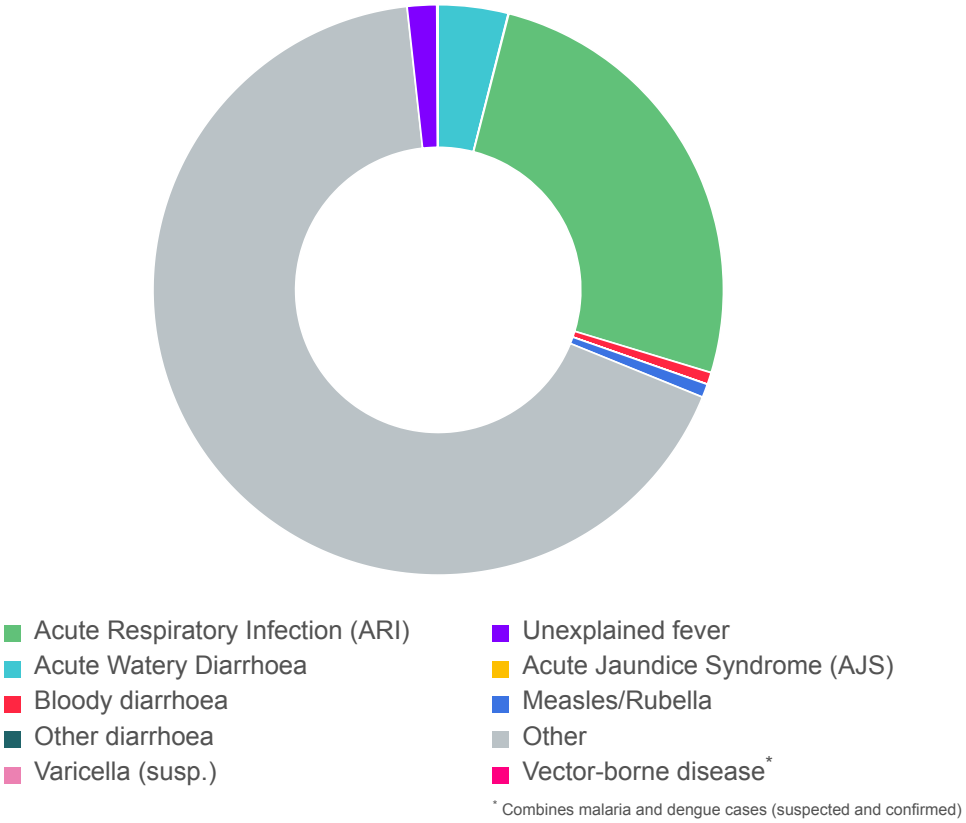
Printed: 09:59 Tuesday, 04 February 2020 UTC

## Proportional morbidity

**Figure 1** | Proportional morbidity (W5 2020)




| Disease | W5 | | 2020 | |
|---|---|---|---|---|
| | # cases | % morbidity | # cases | % morbidity |
| AWD | 2,474 | 3.9% | 13,813 | 4.3% |
| Bloody diarr. | 431 | 0.7% | 2,364 | 0.7% |
| Other diarr. | 1,270 | 2.0% | 6,389 | 2.0% |
| Susp. Varicella | 37 | 0.1% | 144 | 0.0% |
| ARI | 16,035 | 25.2% | 72,753 | 22.8% |
| Measles/Rub. | 476 | 0.7% | 2,156 | 0.7% |
| AFP | 0 | 0.0% | 3 | 0.0% |
| Susp. menin. | 2 | 0.0% | 11 | 0.0% |
| AJS | 14 | 0.0% | 77 | 0.0% |
| Susp. HF | 1 | 0.0% | 8 | 0.0% |
| Neo. tetanus | 0 | 0.0% | 0 | 0.0% |
| Adult tetanus | 0 | 0.0% | 0 | 0.0% |
| Malaria (conf.) | 0 | 0.0% | 2 | 0.0% |
| Malaria (susp.) | 1 | 0.0% | 126 | 0.0% |
| Dengue (conf.) | 0 | 0.0% | 2 | 0.0% |
| Dengue (susp.) | 1 | 0.0% | 2 | 0.0% |
| Unexpl. fever | 1,050 | 1.6% | 5,951 | 1.9% |
| Sev. Malnut. | 34 | 0.1% | 183 | 0.1% |
| Inj./Wounds | 1,513 | 2.4% | 7,594 | 2.4% |
| Other | 40,311 | 63.3% | 207,392 | 65.0% |
| **Total** | **62,615** | **100%** | **319,067** | **100%** |

## Trend in consultations and key diseases

**Figure 2** | Trend in proportional morbidity for key diseases (W5)

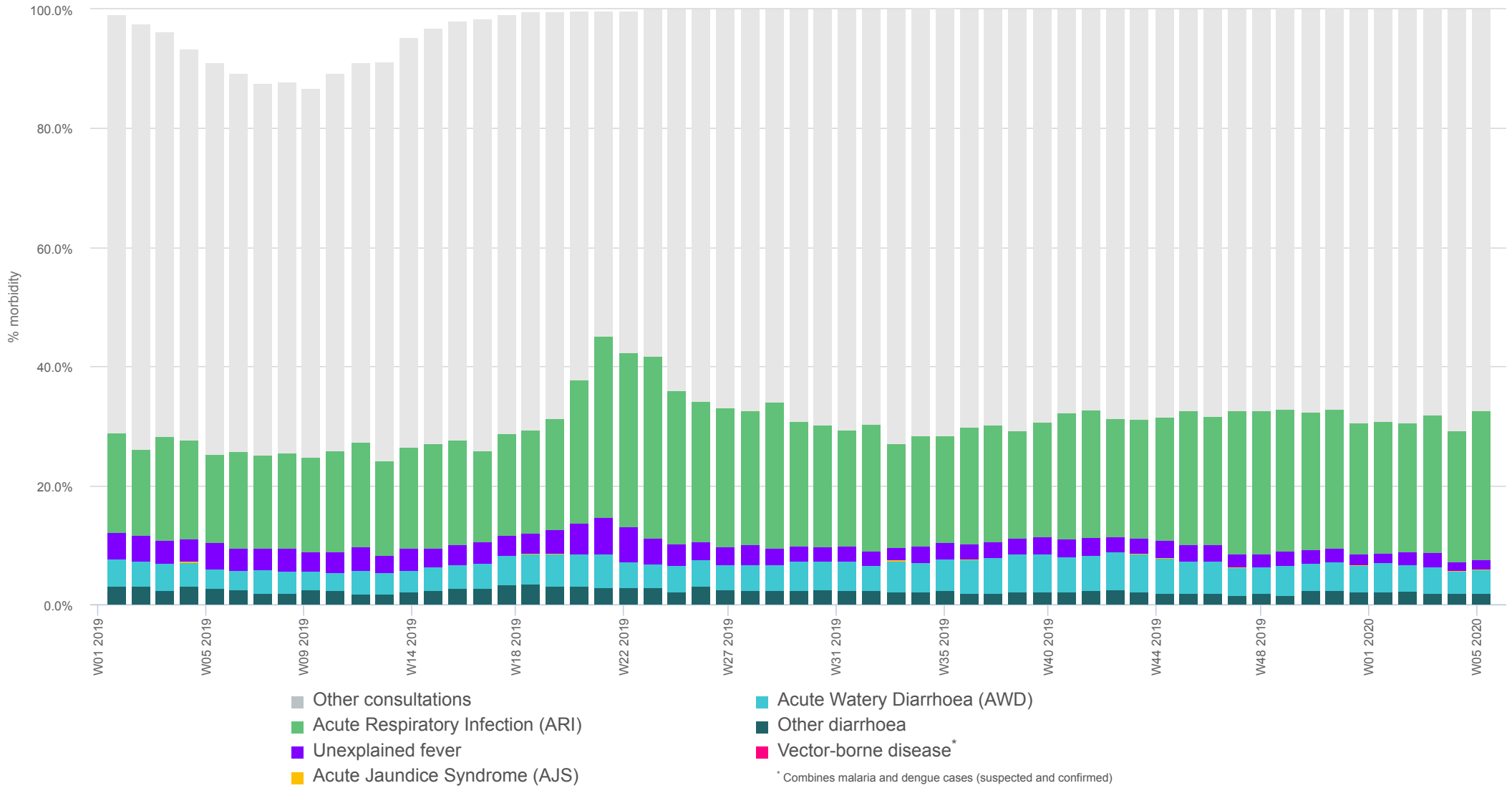
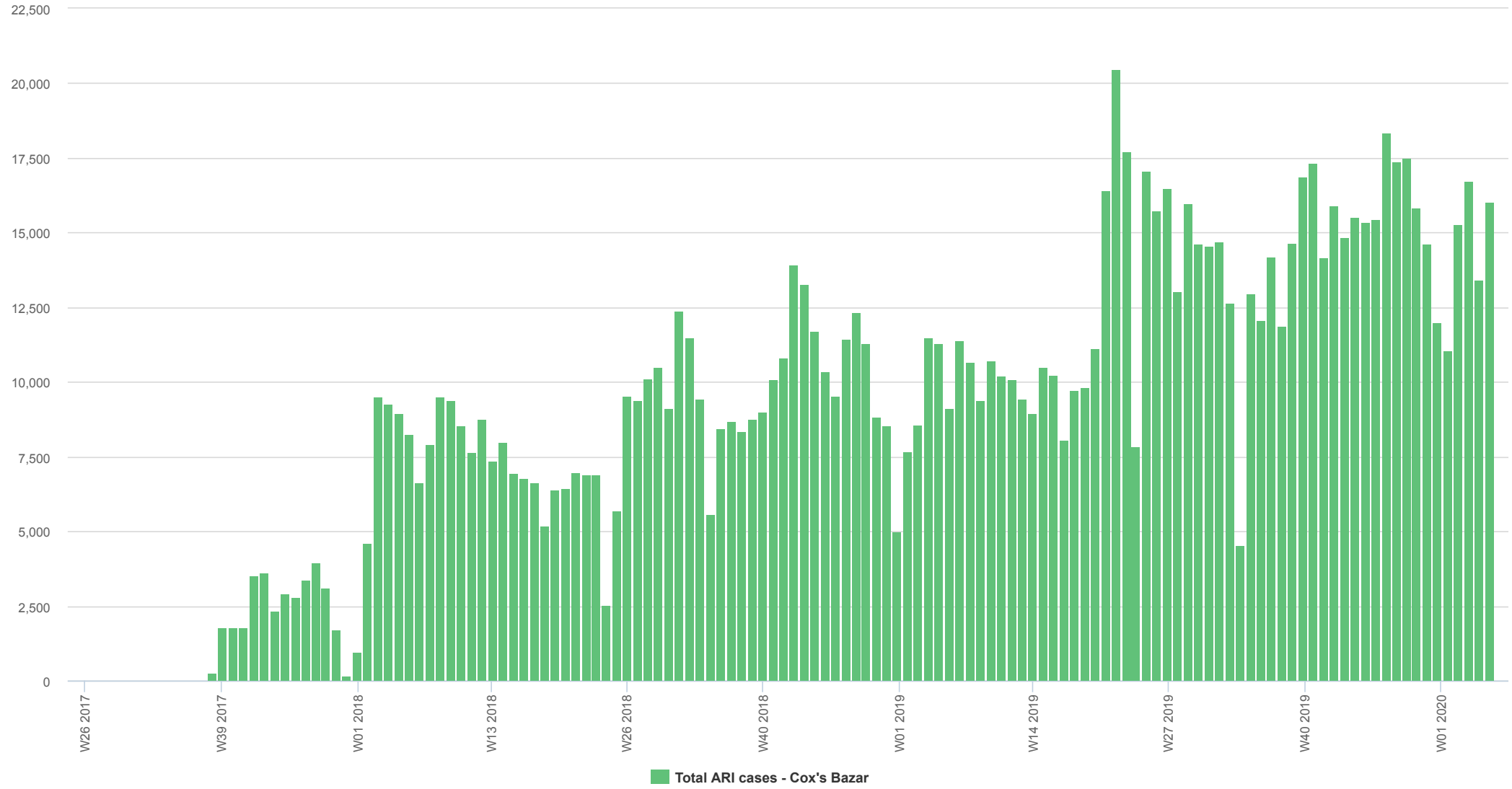
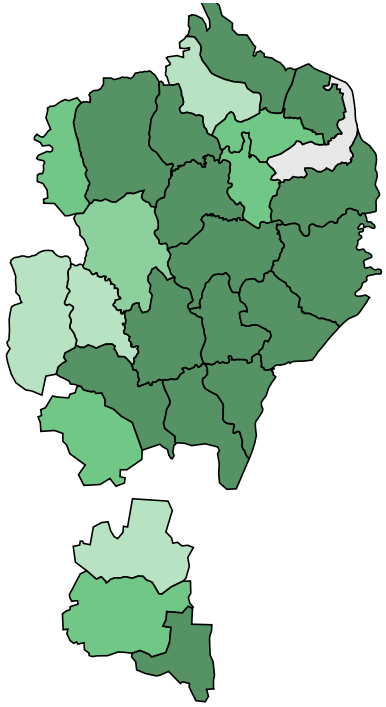


**Figure 3** | Trend in number of cases over time (W38 2017 - W5 2020)



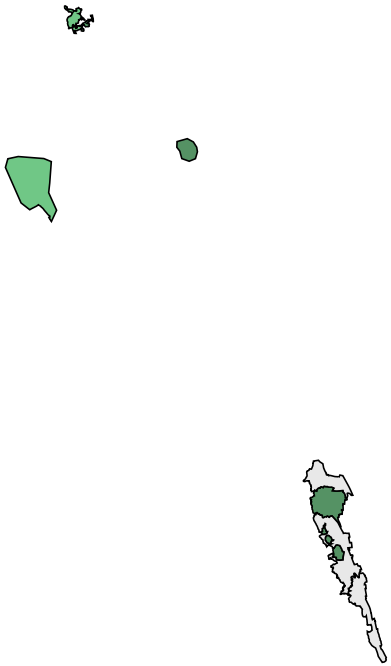
## **Map 1** | Map of cases by camp (W5 2020)

**a. Ukhia** | Number of cases

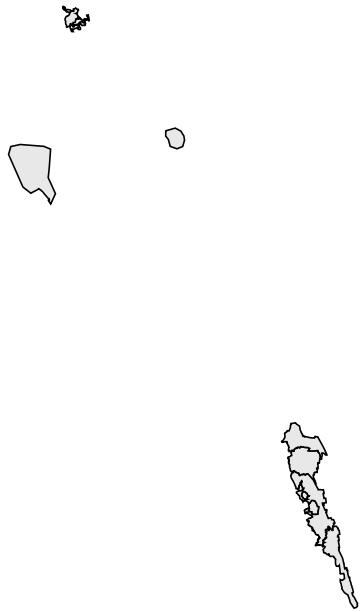


**b. Ukhia** | Number of alerts

**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 (W5 2020)

| 0 | 0% | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| Alerts | Verified | Low Risk | Moderate Risk | High Risk | Very High Risk |

**Figure** | % sex

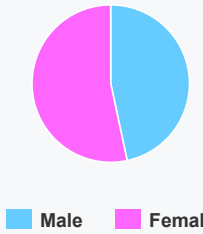



**Figure** | % age

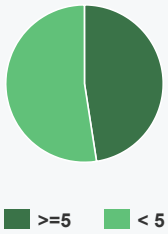
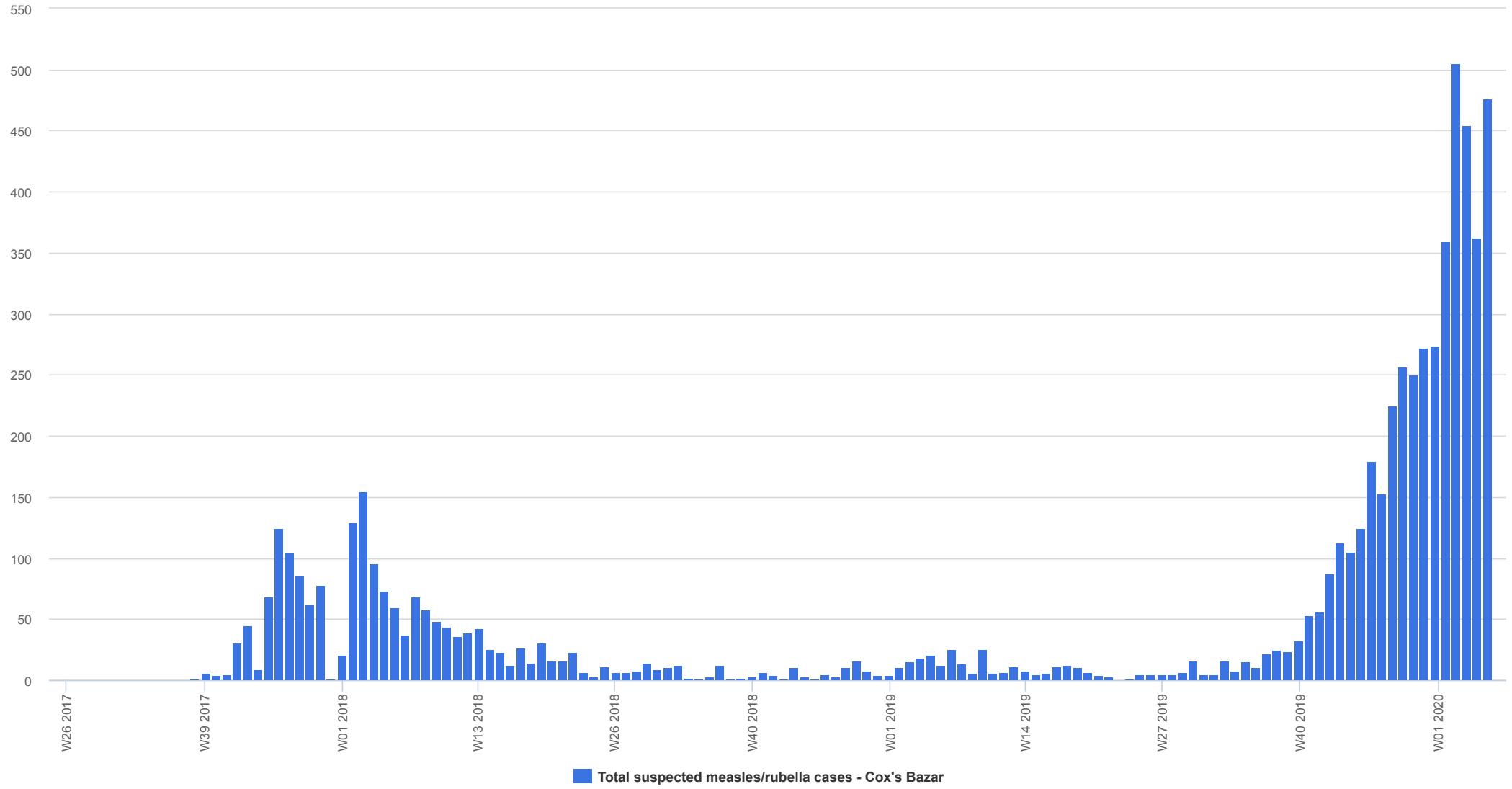
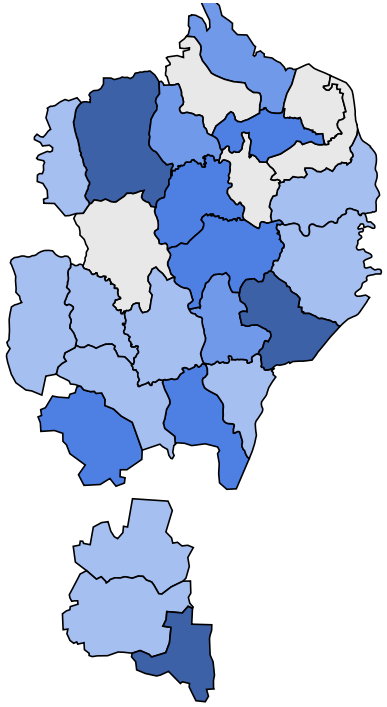


**Figure 4** | Trend in number of suspected cases over time (W38 2017 - W5 2020)

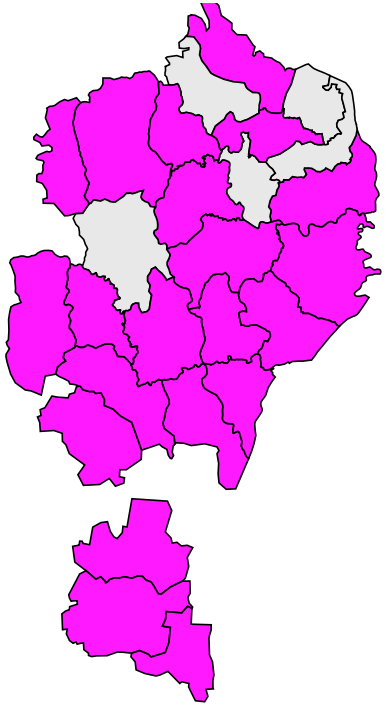


## **Map 2** | Map of cases by camp (W5 2020)

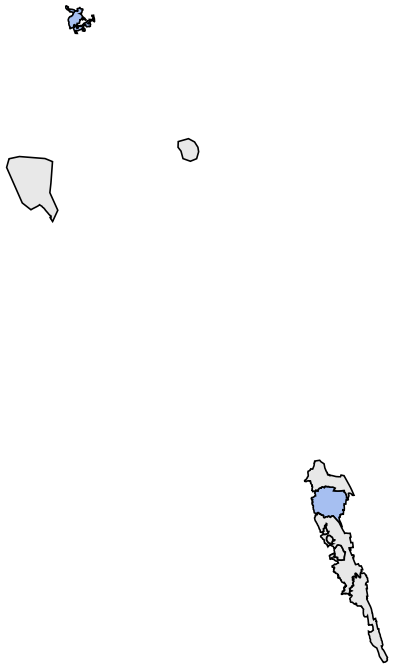
**a. Ukhia** | Number of cases



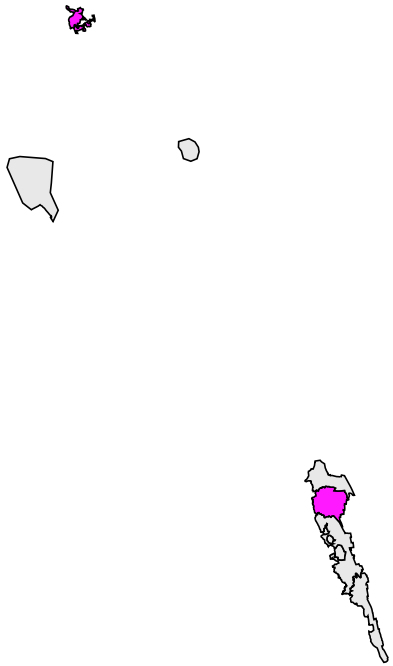
**b. Ukhia** | Number of alerts



**c. Teknaf** | Number of cases

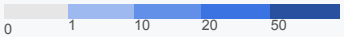


**d. Teknaf** | Number of alerts



### Map legend

Number of cases




Number of alerts


### Alert threshold

1 case. *Source: IEDCR*

### Alert management (W5 2020)

| 47 | 100% | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| Alerts | Verified | Low Risk | Moderate Risk | High Risk | Very High Risk |

**Figure** | % sex

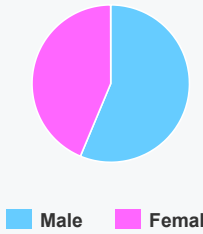
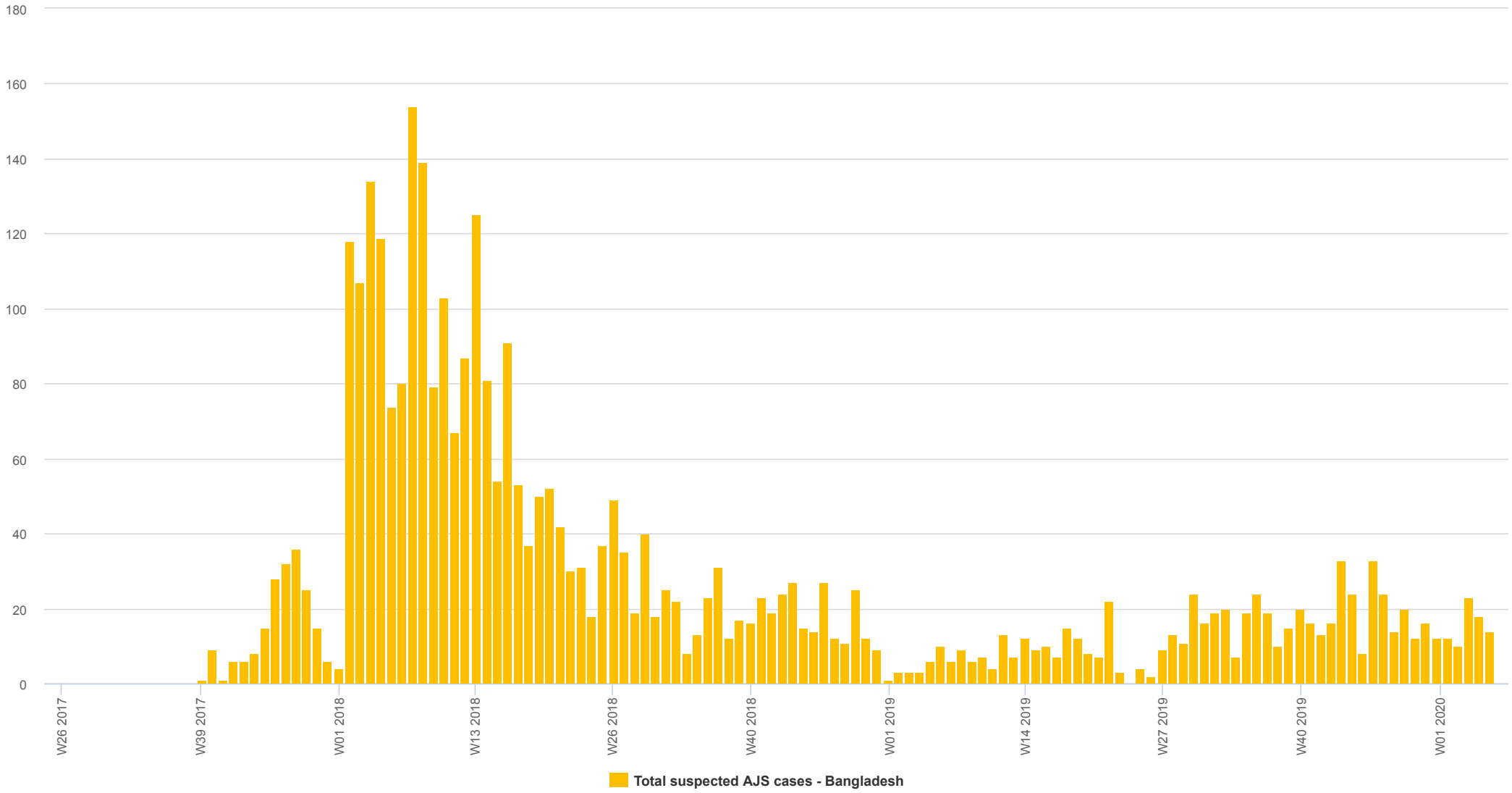


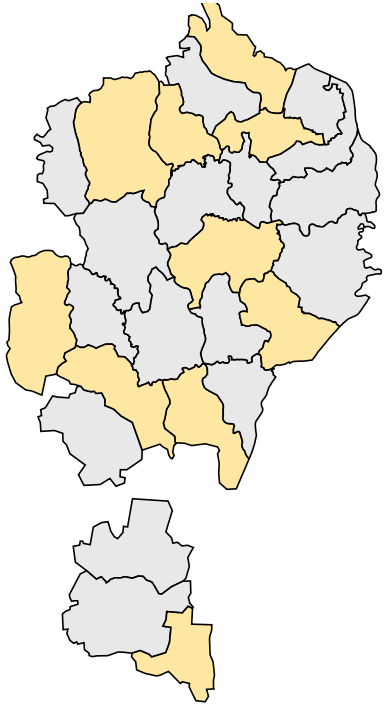

**Figure** | % age

**Figure 5** | Trend in number of cases over time (W38 2017 - W5 2020)



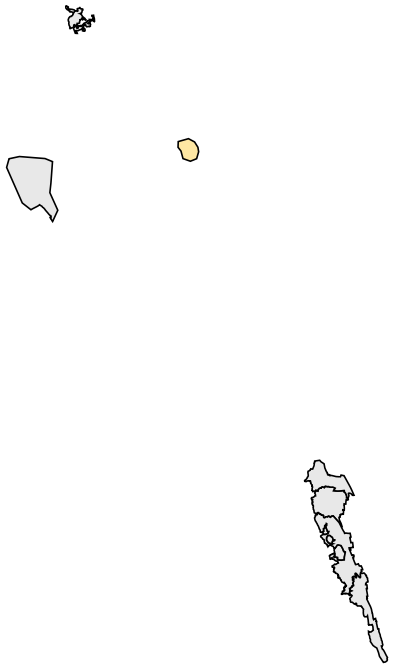
**Map 3** | Map of cases by camp (W37 2017 - W5 2020)

**a. Ukhia** | Number of cases

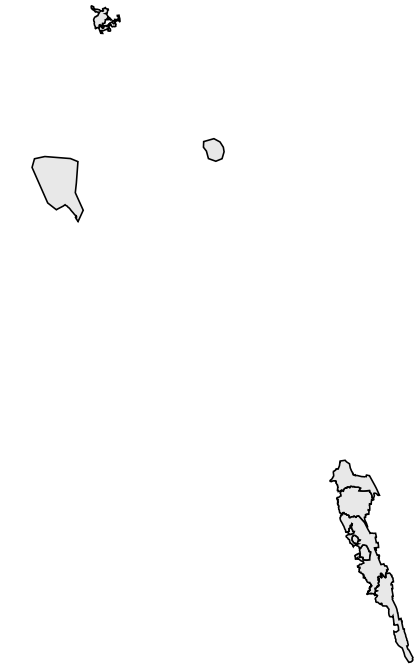


**b. Ukhia** | Number of alerts

**c. Teknaf** | Number of cases

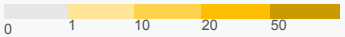


**d. Teknaf** | Number of alerts



### 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 (W5 2020)

| 1 | 100% | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| Alerts | Verified | Low Risk | Moderate Risk | High Risk | Very High Risk |

**Figure** | % sex

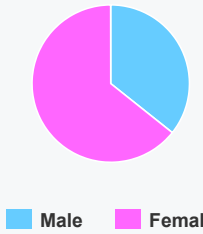



**Figure** | % age

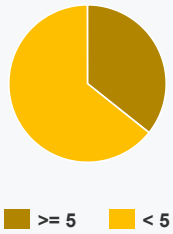


**Figure 6** | Trend in number of cases over time (W38 2017 - W5 2020)

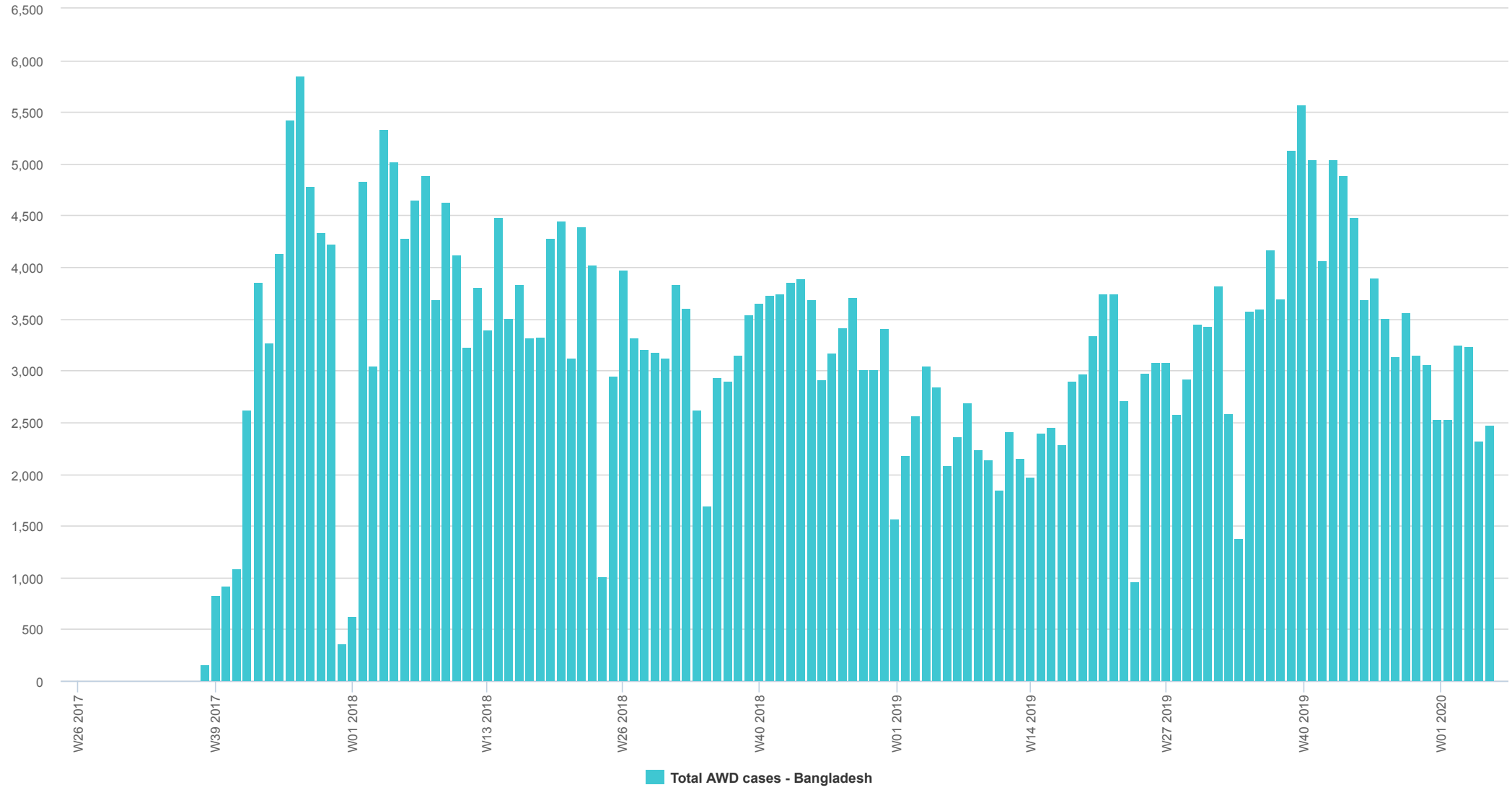





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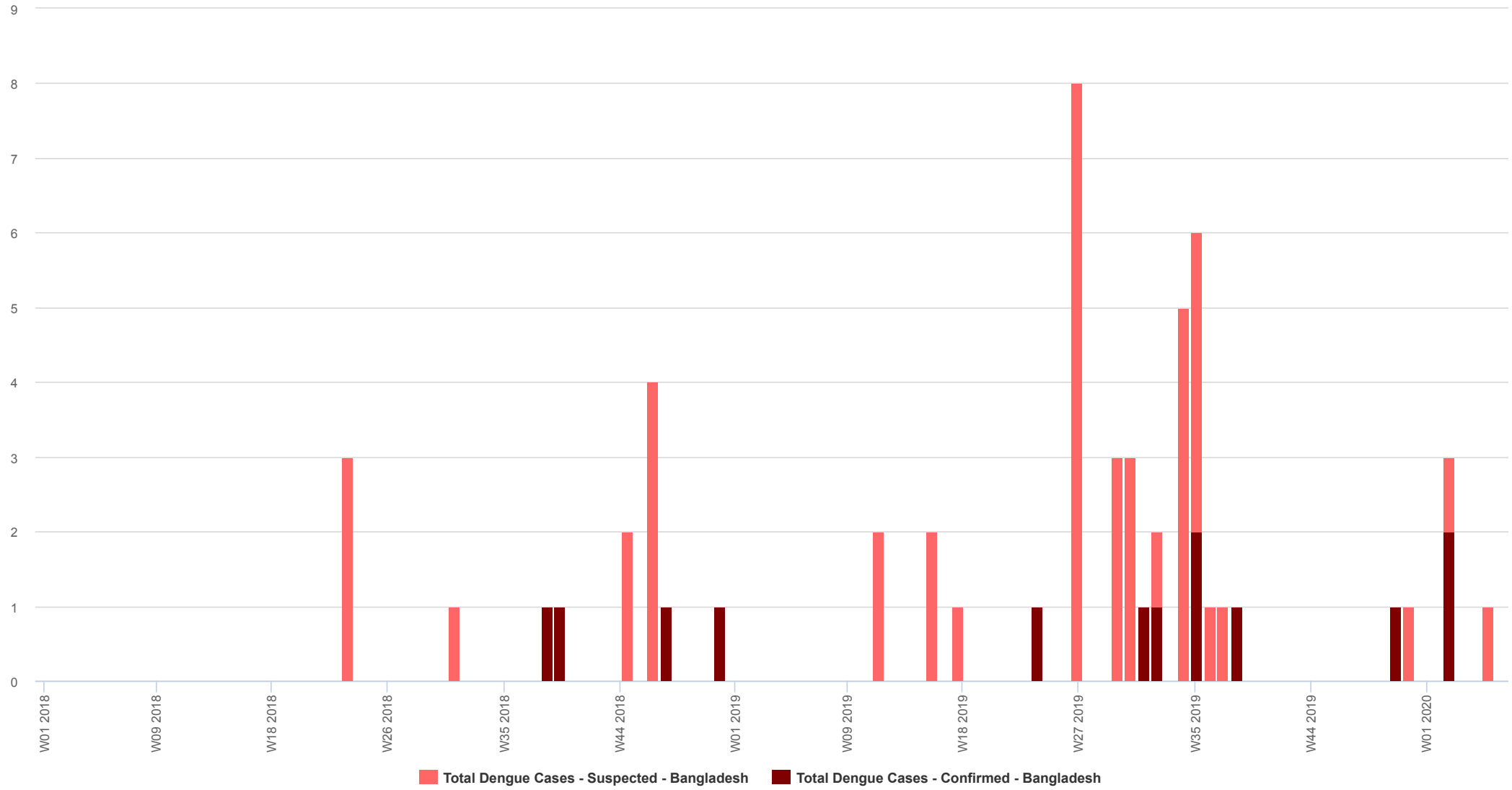
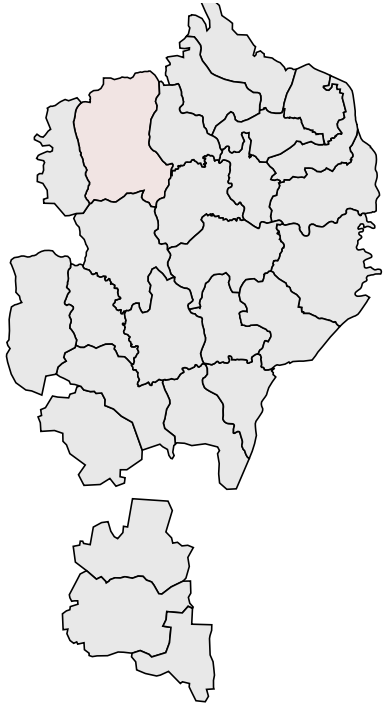
**Figure 7** | Trend in number of cases over time (W38 2017 - W5 2020)



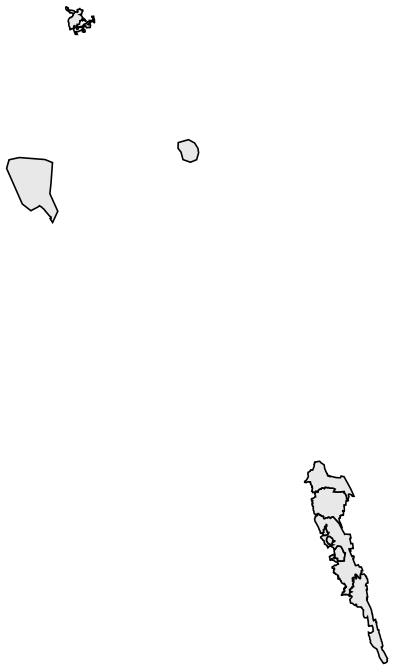
## **Map 4** | Map of cases by camp (W37 2017 - W5 2020)

**a. Ukhia** | Number of cases

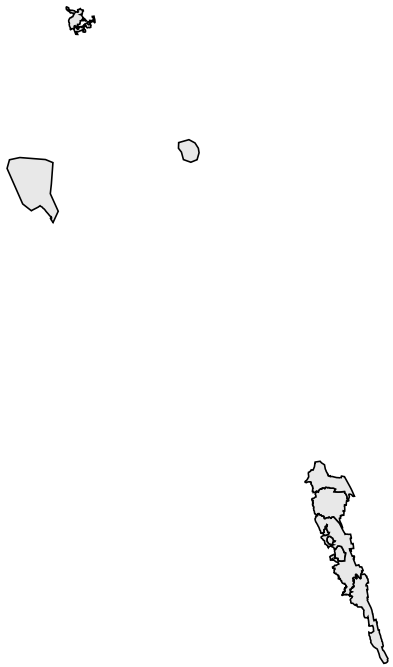


**b. Ukhia** | Number of alerts

**c. Teknaf** | Number of cases

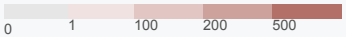


**d. Teknaf** | Number of alerts



### 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 (W5 2020)

| 0 | 0% | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|
| Alerts | Verified | Low Risk | Moderate Risk | High Risk | Very High Risk |

**Figure** | % sex


**Figure** | % age

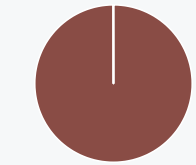
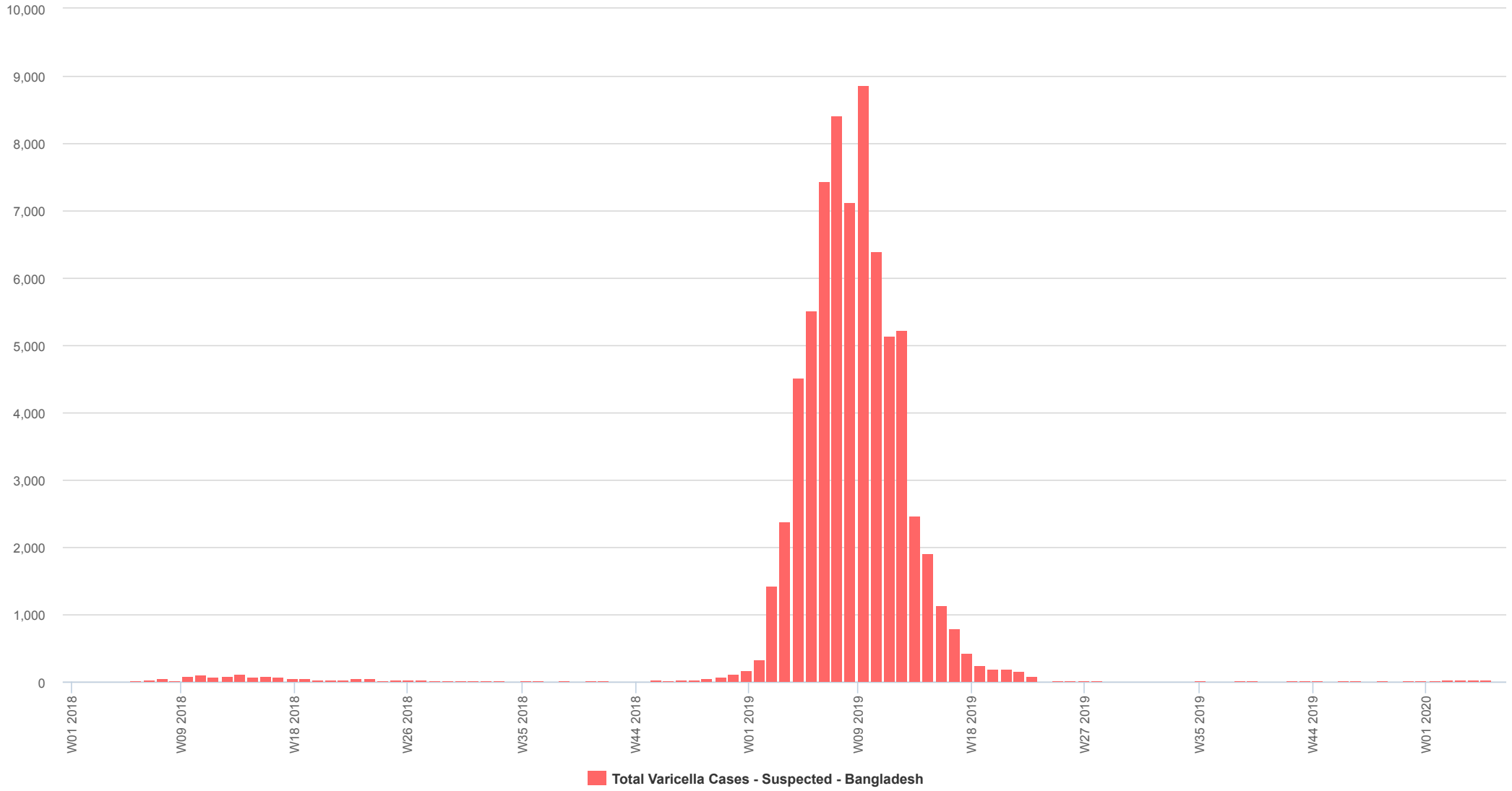
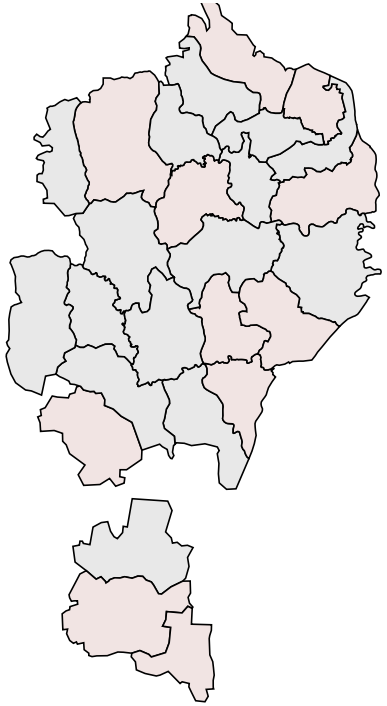


**Figure 7** | Trend in number of cases over time (W38 2017 - W5 2020)

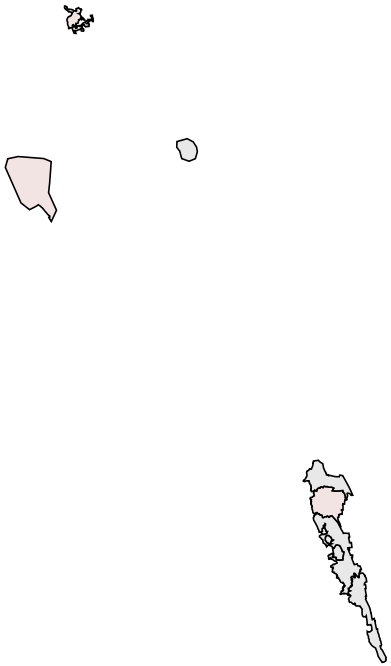


**Map 4** | Map of cases by camp (W37 2017 - W5 2020)

**a. Ukhia** | Number of cases



**c. Teknaf** | Number of cases



**Map legend**

Number of cases

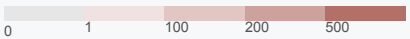
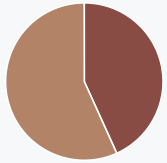



**Figure** | % sex

Male Female

**Figure** | % age



>= 5 < 5



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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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