Yemen اليمن

الاستجابة للكوليرا
Cholera Response

جدول المحتويات Table of Contents

Highlights

Cumulative figures

-The cumulative total from 27 April 2017 to 1 July 2018 is 1,115,378 suspected cholera cases and 2,310 associated deaths, (CFR 0.21%), 1157 have been confirmed by culture.
- The total proportion of severe cases among the suspected cases is 15.7%
- The national attack rate is 397.4 per 10,000. The five governorates with the highest cumulative attack rates per 10,000 remain Amran (936), Al Mahwit (905), Al Dhale'e (641), Sana'a (550), Dhamar (540),
- Children under 5 years old represent 28.8% of total suspected cases.
- In total, 67,862 rapid diagnostic tests (RDT).
- 4,459 cultures have been performed which represents 26.2% coverage.
- The last positive culture was on 29 June 2018 in Assafi'yah & Az'zal districts in Amanat Al Asimah.
- Since 1st of Jan 2018 the districts with highest cumulative suspected cases are Al Hali (5841), Radman Al Awad (2,215), Al Mighlaf (2,150), Al Sabaeen (2102), Maqbanah (2,075).
- 162 districts are still reporting suspected cholera cases since last 3 weeks
- 143 districts (out of 305 affected districts) did not report any suspected cases for the last three consecutive weeks

Governorate and District level

- At governorate level, the trend from W23 –W25 decrease or was stable in all governorates, except Amran (+17%), Sana'a (+14%), Dhamar (+20%), Al Bayda (+11%), Amanat Al Asimah (+30%), Ibb (+26%).

Week 26 2018

- 2,597 suspected cases and 3 associated death were reported
- The districts reporting the highest number of cases are Mukayras (95), Ma'ain (93), Al Hali (82), Huth (80),
- 18 % are severe cases
- 2,594 RDTs were performed, 318 were positive
- 3 confirmed results and 1 negative results received this week

A. ملخص المؤشرات Summary indicators

1,115,378	**2,310**	**0.21%**	**96%**	**92%**
حالات الاشتباه	الوفيات	معدل الاماته بين الحالات	المحافظات المتأثرة بالوباء	المديريات المتأثرة بالوباء
Suspected cases	Associated deaths	Case Fatality Rate	Governorates affected	Districts affected
			(محافظة 22 / 23)	(مديرية 305 / 333)
			(22 / 23 governorates)	(305 / 333 districts)
حالة اشتباه في الأسبوع الحالي 2,597	حالة وفاة في الأسبوع الحالي 3			
2,597 suspected cases in current week	3 associated deaths in current week			

B. المنحنى الوبائي Epidemic curve

الشكل (1) المنحنى الوبائي على المستوى الوطني
Figure 1 | Epidemic curve (Country)
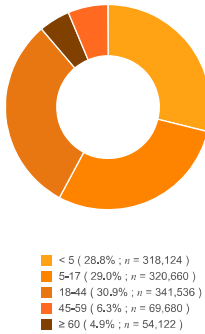

حالات الاشتباه الأسبوعية Weekly number of cases
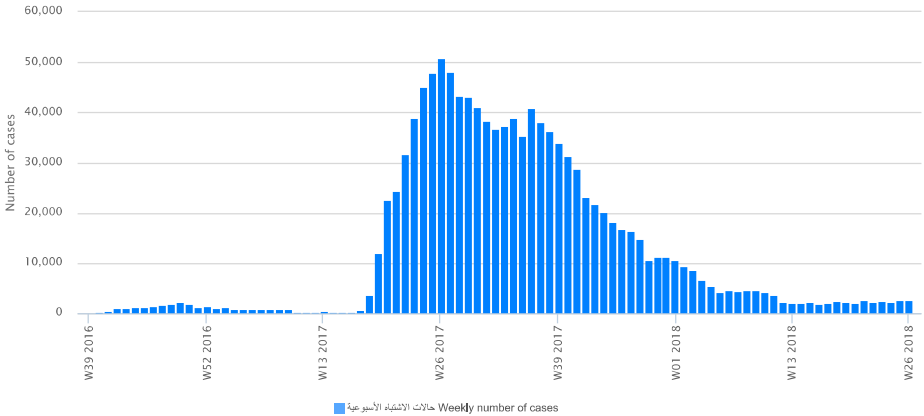
الشكل (2 أ) حالات الكوليرا على مستوى الجنس
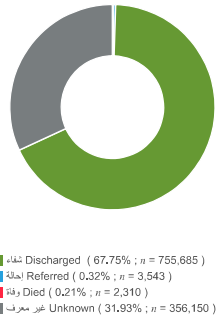**Figure 2a** Cases by sex (Cumul.)
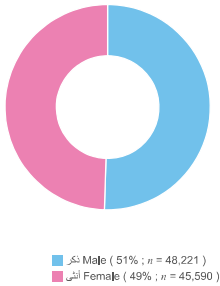
الشكل (2 ب) حالات الكوليرا على مستوى الفئات العمرية
Figure 2b Cases by age (Cumul.)

الشكل (2 ج) حالات الكوليرا بالنسبة لحالة المريض
Figure 2c Cases by outcome (Cumul.)

Male ذكر (51% ; n = 48,221)
Female أنثى (49% ; n = 45,590)

< 5 (28.8% ; n = 318,124)
5-17 (29.0% ; n = 320,660)
18-44 (30.9% ; n = 341,536)
45-59 (6.3% ; n = 69,680)
≥ 60 (4.9% ; n = 54,122)

Discharged شفاء (67.75% ; n = 755,685)
Referred احالة (0.32% ; n = 3,543)
Died وفاة (0.21% ; n = 2,310)
Unknown غير معرف (31.93% ; n = 356,150)

Trends in cases by age distribution and dehydration status

Figure 2d | Trend in proportion of cases aged under 5[1]

Legend: ■ < 5   ■ ≥ 5
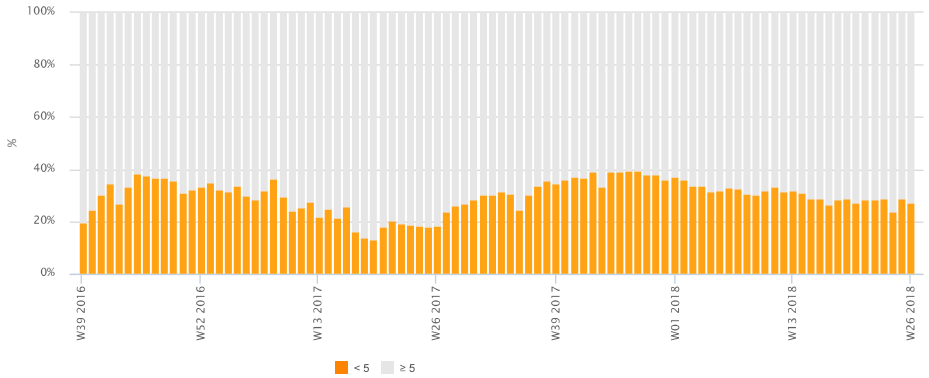
Figure 2e | Trend in proportion of cases by dehydration status[1]

Legend: □ No dehydration   ■ Some dehydration   ■ Severe dehydration
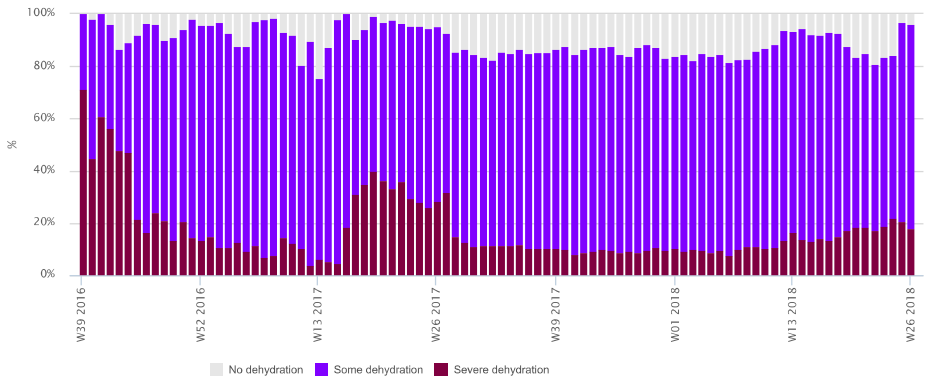
[1] Trends in proportional age distribution and dehydration status always add up to 100% and do not give any indication of the number of cases reported. For this reason, these may reflect cases that are not visible in the epidemic curve due to the scale of the y-axis and the huge difference in the case counts between the first and second waves of the outbreak.

C. المؤشرات الرئيسية حسب المحافظة Key indicators by governorate

جدول (1) خلاصة بالمؤشرات الرئيسية بالنسبة للمحافظات
Table 1 | Summary of key cholera indicators by Governorate

للمحافظات Governorate	تراكمي Cumulative (27/04/2017 to 1/7/2018)					الاتجاه 3 أسابيع 3 week trend				
	حالات الاشتباه Cases	الوفيات Deaths	معدل الإماتة CFR[1]	السكان Population	معدل الإصابة AR[2]	أسابيع 3- -3W	أسابيع 2- -2W	أسابيع 1- -1W	الأسبوع الحالي W	اتجاه Trend[3]
Amran عمران	109,174	184	0.17%	1,166,003	936.31	460	334	506	479	▲ +17%
Al Mahwit المحويت	66,873	152	0.23%	738,498	905.53	175	166	149	209	▶ -9%
Al Dhale'e الضالع	47,510	83	0.17%	740,718	641.40	50	106	63	60	▼ -14%
Sana'a صنعاء	81,551	123	0.15%	1,481,719	550.38	438	349	482	331	▲ +14%
Dhamar ذمار	110,043	165	0.15%	2,034,183	540.97	162	199	242	248	▲ +20%
Hajjah حجة	121,587	426	0.35%	2,377,051	511.50	23	41	28	41	▶ -9%
Al Hudaydah الحديدة	163,864	286	0.17%	3,270,747	501.00	392	339	287	312	▼ -15%
Abyan أبين	28,243	35	0.12%	576,037	490.30	0	0	0	0	■ Interrupt
Al Bayda البيضاء	36,240	41	0.11%	763,988	474.35	204	162	215	226	▲ +11%
Amanat Al Asimah أمانة العاصمة	110,035	72	0.07%	2,884,970	381.41	202	180	293	335	▲ +30%
Raymah ريمة	19,085	124	0.65%	613,205	311.23	57	35	43	55	▶ -4%
Al Jawf الجوف	16,229	22	0.14%	583,087	278.33	1	9	7	5	▲ +24%
Lahj لحج	24,351	22	0.09%	1,016,938	239.45	0	0	0	0	■ Interrupt
Ibb إب	71,283	305	0.43%	2,982,243	239.02	145	141	208	160	▲ +26%
Aden عدن	21,004	62	0.30%	936,426	224.30	1	7	1	0	▼ -67%
Taizz تعز	67,136	190	0.28%	3,022,591	222.11	124	96	123	135	▶ 8%
Marib مأرب	7,296	7	0.10%	362,765	201.12	0	0	0	0	■ Interrupt
Sa'ada صعدة	10,714	5	0.05%	925,851	115.72	0	0	0	1	■ Interrupt
Al Maharah المهرة	1,169	1	0.09%	150,952	77.44	0	0	0	0	■ Interrupt
Shabwah شبوة	1,399	3	0.21%	609,788	22.94	0	0	0	0	■ Interrupt
Moklla المكلا	568	2	0.35%	445,863	12.74	0	0	0	0	■ Interrupt
Say'on سيئون	24	0	0.00%	380,596	0.63	0	0	0	0	■ Interrupt
Yemen اليمن	**1,115,378**	**2,310**	**0.21%**	**28,064,219**	**397.44**	**2,434**	**2,164**	**2,647**	**2,597**	▶ 10%

▲ منحنى مرتفع	غير بمعدل +10% ≤		▲ Increased trend	≥ +10% change
▶ منحنى مستقر	> -10% to < +10% غير بمعدل		▶ Stable trend	> -10% to < +10% change
▼ منحنى منخفض	غير بمعدل -10% ≤		▼ Decreased trend	≤ -10% change
■ انقطاع في الارسال	عدد 0 حالة خلال 3 أسابيع متتالية		■ Interruption in transmission	0 cases for 3 consecutive weeks

D. Laboratory

Figure 4 | RDT results by week

Number of tests

RDT positive RDT negative
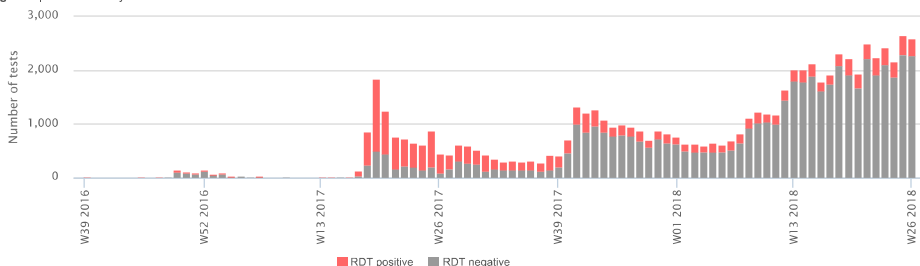
Figure 5 | Rapid Diagnostic Kit (RDT)

Coverage (6.1% ; n = 67,862)   Positivity (25.1% ; n = 17,034)
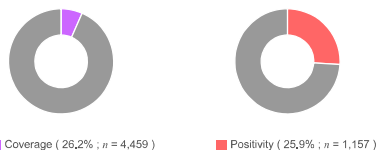
*Coverage of RDT is calculated based on (Number of RDT performed/Number of suspected cases)

Figure 6 | Culture

Coverage (26.2% ; n = 4,459)   Positivity (25.9% ; n = 1,157)

*Coverage of culture is calculated based on (Number of culture performed/Number of positive RDT)

Table 2 | Summary of key laboratory indicators by Governorate

Governorate		Rapid Diagnostic Kit (RDT)				Culture			
	Cases	Total tested	Coverage	Total +ve	+vity rate	Total tested	Coverage	Total +ve	+vity rate
Abyan أبين	28,243	239	8.5%	152	63.6%	39	25.7%	23	59.0%
Aden عدن	21,004	598	28.5%	373	62.4%	174	46.6%	118	67.8%
Al Bayda البيضاء	36,240	6213	171.4%	1262	20.3%	311	24.6%	18	5.8%
Al Dhale'e الضالع	47,510	719	15.1%	266	37.0%	72	27.1%	9	12.5%
Al Hudaydah الحديدة	163,864	10426	63.6%	1911	18.3%	826	43.2%	247	29.9%
Al Jawf الجوف	16,229	1593	98.2%	932	58.5%	80	8.6%	12	15.0%
Al Maharah المهرة	1,169	264	225.8%	119	45.1%	25	21.0%	14	56.0%
Al Mahwit المحويت	66,873	4703	70.3%	1353	28.8%	297	22.0%	13	4.4%
Amanat Al Asimah أمانة العاصمة	110,035	10267	93.3%	2911	28.4%	936	32.2%	196	20.9%
Amran عمران	109,174	6858	62.8%	1314	19.2%	246	18.7%	24	9.8%
Dhamar ذمار	110,043	8472	77.0%	693	8.2%	168	24.2%	23	13.7%
Hajjah حجة	121,587	1061	8.7%	282	26.6%	81	28.7%	15	18.5%
Ibb إب	71,283	2592	36.4%	788	30.4%	146	18.5%	13	8.9%
Lahj لحج	24,351	1167	47.9%	593	50.8%	46	7.8%	20	43.5%
Marib مأرب	7,296	197	27.0%	128	65.0%	2	1.6%	0	0.0%
Moklla المكلا	568	105	184.9%	80	76.2%	55	68.8%	32	58.2%
Raymah ريمة	19,085	1182	61.9%	489	41.4%	58	11.9%	5	8.6%
Sa'ada صعدة	10,714	923	86.1%	753	81.6%	12	1.6%	0	0.0%
Sana'a صنعاء	81,551	7292	89.4%	1382	19.0%	410	29.7%	48	11.7%
Say'on سيئون	24	23	958.3%	9	39.1%	12	133.3%	0	0.0%
Shabwah شبوة	1,399	127	90.8%	53	41.7%	51	96.2%	9	17.6%
Taizz تعز	67,136	2841	42.3%	1191	41.9%	412	34.6%	318	77.2%
Yemen اليمن	**1,115,378**	**67,862**	**60.8%**	**17,034**	**25.1%**	**4,459**	**26.2%**	**1,157**	**25.9%**

E. التوزيع الجغرافي مع مرور الوقت Geographic distribution over time
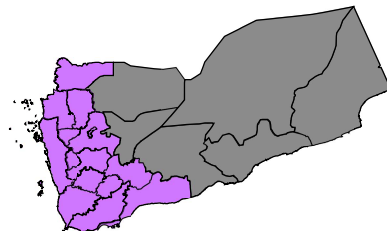
الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
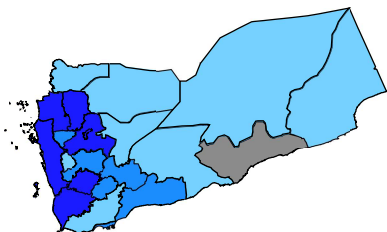**Map 1a** | Number of cases by governorate (Jan 2017 – Apr 2017)
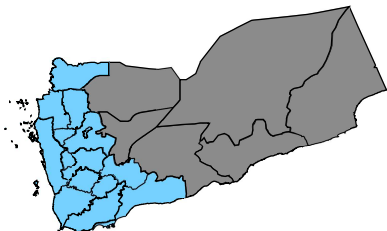
الخريطة (1 ب) معدل الأصابة للمحافظات
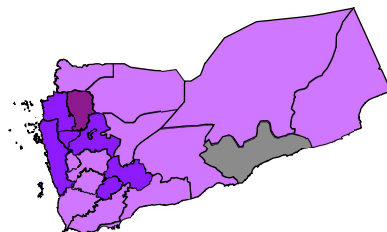**Map 1b** | Attack rate by governorate (Jan 2017 – Apr 2017)

الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
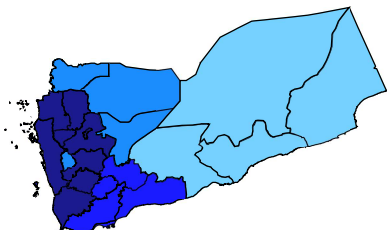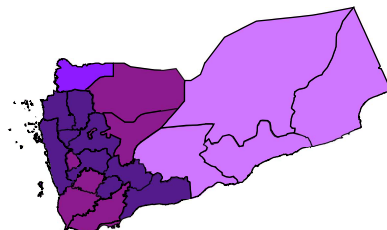**Map 1c** | Number of cases by governorate (Jan 2017 – Jun 2017)

الخريطة (1 ب) معدل الأصابة للمحافظات
Map 1d | Attack rate by governorate (Jan 2017 – Jun 2017)

الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
Map 1e | Number of cases by governorate (Jan 2017 – present)

الخريطة (1 ب) معدل الأصابة للمحافظات
Map 1f | Attack rate by governorate (Jan 2017 – present)

عدد حالات الكوليرا
Number of cholera cases

| 0 | 1 | 10,000 | 20,000 | 50,000 |

(معدل الإصابة لكل 10,000 من السكان)
Attack rate (/10,000)

| 0 | 0.1 | 100.0 | 200.0 | 400.0 |
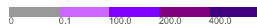
F. المديريات ذات الأولوية Districts reporting in current week

الخريطة (2 أ) عدد حالات الاشتباه الأولوية
Map 2 | Number of cases by district (W26 2018)

عدد حالات الكوليرا
Number of cholera cases

| 0 | 1 | 500 | 1,000 | 2,000 |
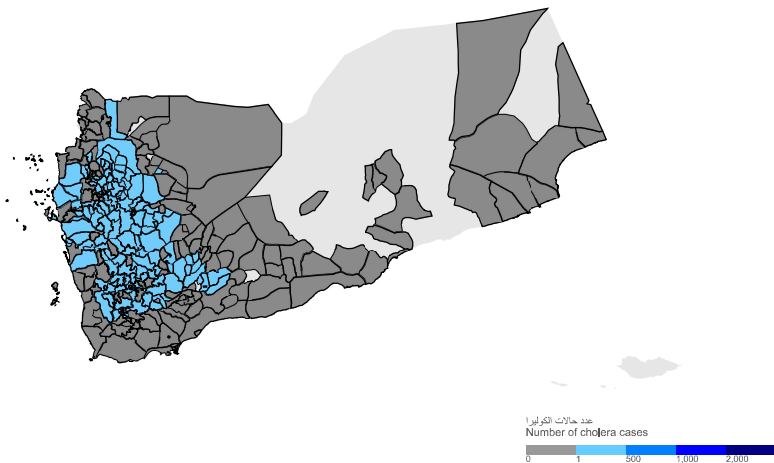
الخريطة (3 ب) معدل الإصابة الأولوية
Map 3 | Attack rate by district (W26 2018)

معدل الإصابة لكل 10,000 من السكان
Attack rate (/10,000)

| 0 | 0.1 | 1.0 | 5.0 | 10.0 |
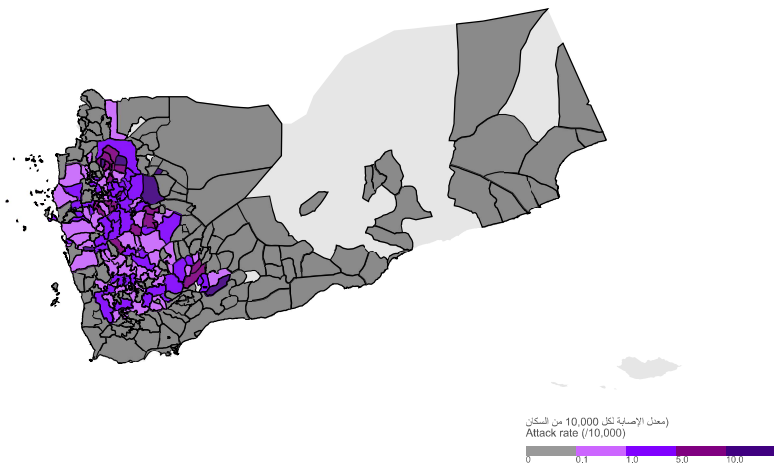
G. المنحنى الوبائي حسب المحافظة Epidemic curves by Governorate

Figure 3a | Abyan أبين
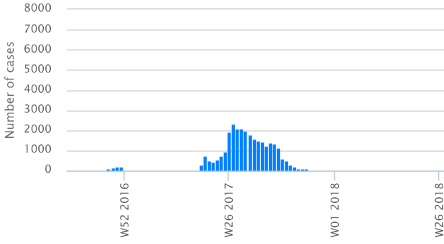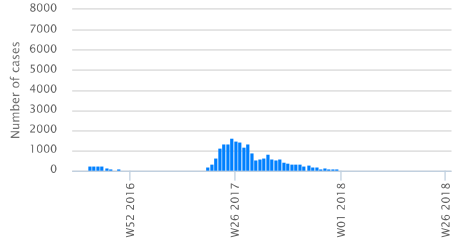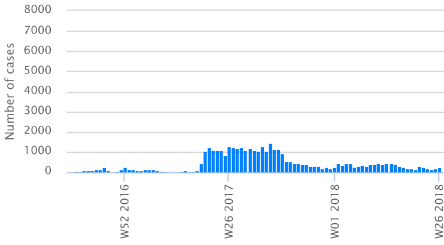
Figure 3b | Aden عدن

Figure 3c | Al Bayda البيضاء

Figure 3d | Al Dhale'e الضالع
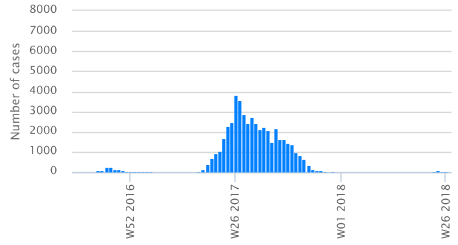
Figure 3e | Al Hudaydah الحديدة
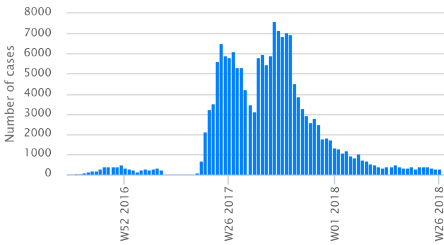
Figure 3f | Al Jawf الجوف
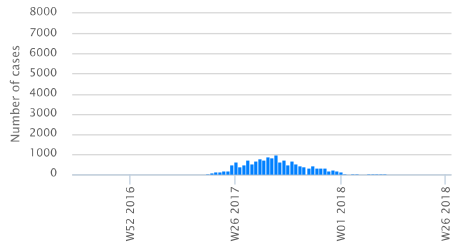
Figure 3g | Al Maharah المهرة
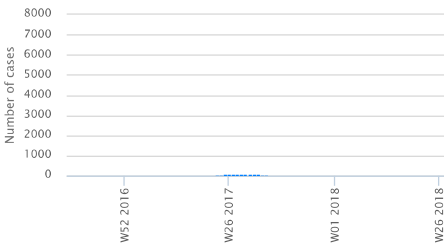
Figure 3h | Al Mahwit المحويت
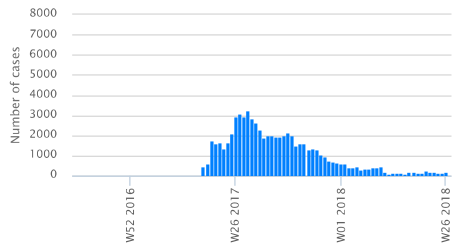
Figure 3i | Amanat Al Asimah أمانة العاصمة
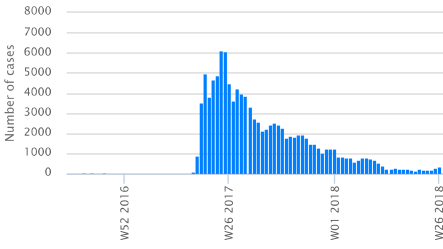
Figure 3j | Amran عمران
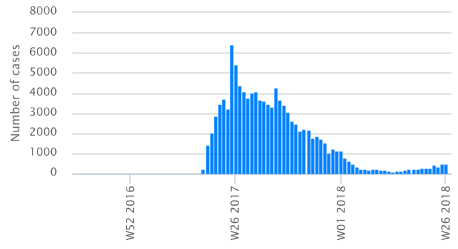
Figure 3k | Dhamar ذمار
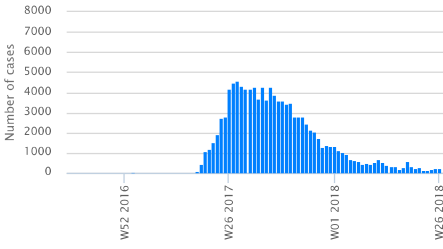
Figure 3l | Hajjah حجة
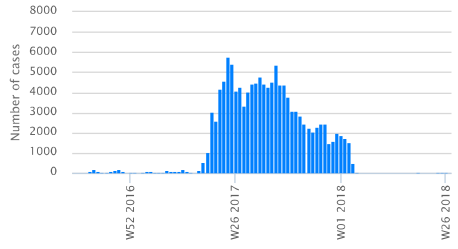
Figure 3m | Ibb إب
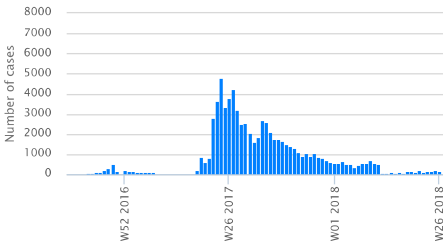
Figure 3n | Lahj لحج
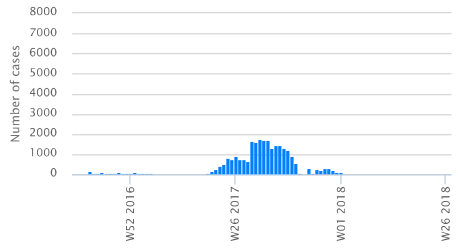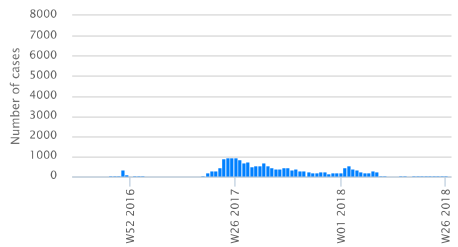
Figure 3o | Marib مأرب
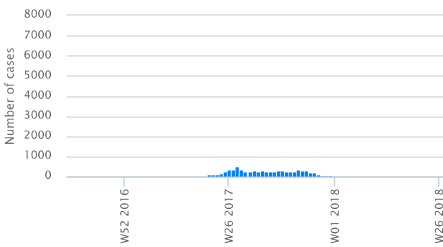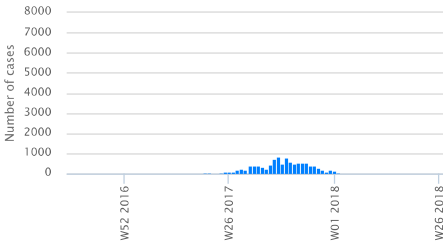
Figure 3p | Raymah ريمة

Figure 3q | Sa'ada صعدة

Figure 3r | Sana'a صنعاء
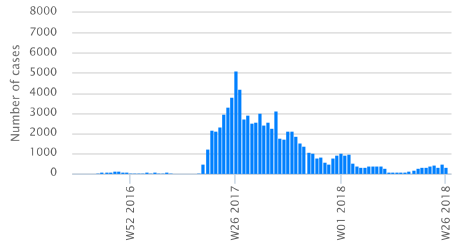
Figure 3s | Say'on سيئون
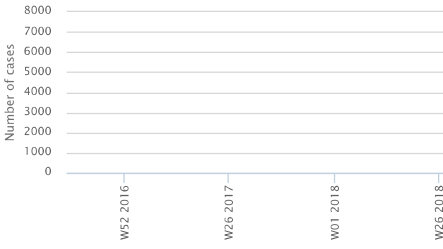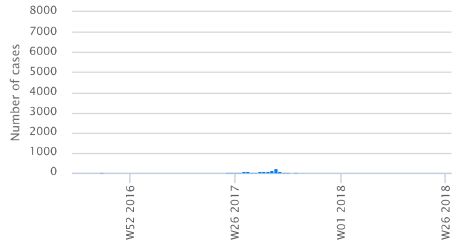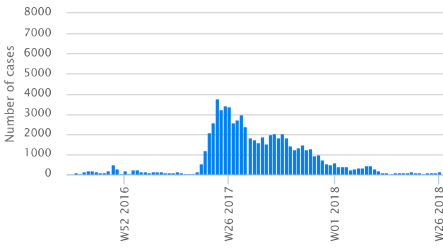

Figure 3t | Shabwah شبوة

Figure 3v | Taizz تعز

للتواصل
Contact Information

Dr Reema Al Yusfi
eDEWS National Coordinator
Ministry of Public Health and Population
Sana'a, Yemen
Email: alyusfi@yahoo.com

Malika Bouhenia
Epidemiologist
WHO Country Office
Sana'a, Yemen
Email: bouheniam@who.int

Christine (Tiff) Cool
Emergency Communications Lead
WHO Country Office
Sana'a, Yemen
Email: coolc@who.int

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Yemen Cholera Response Portal
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النافذة الخاصة بالاستجابة لوباء الكوليرا في اليمن
تم النشر بتاريخ يونيو 2017 لتعزيز الترصد والاستجابة لوباء
الكوليرا في اليمن http://ye.ewars.ws/login

World Health Organization