Yemen اليمن

Cholera Response
الاستجابة للكوليرا

برنامج الترصد الالكتروني للامراض
Electronic Disease Early Warning System (eDEWS)

النشرة الوبائية الأسبوعية
Weekly Epidemiological Bulletin
W16 2018 (Apr 16-Apr 22)

Printed: 20:22 Monday, 30 April 2018 UTC

Table of Contents جدول المحتويات

A. Summary indicators — أ. ملخص المؤشرات
B. Epidemic curve — ب. المنحنى الوبائي
C. Key indicators by Governorate — ج. المؤشرات الرئيسية حسب المحافظة
D. Laboratory indicators — د المؤشرات المختبرية
E. Geographic distribution over time — د. التوزيع الجغرافي مع مرور الوقت
F. Districts reporting in past week — هـ. المديريات ذات الأولوية
G. Epidemic curves by Governorate — هـ. المنحنى الوبائي حسب المحافظة

Highlights

A. ملخص المؤشرات Summary indicators

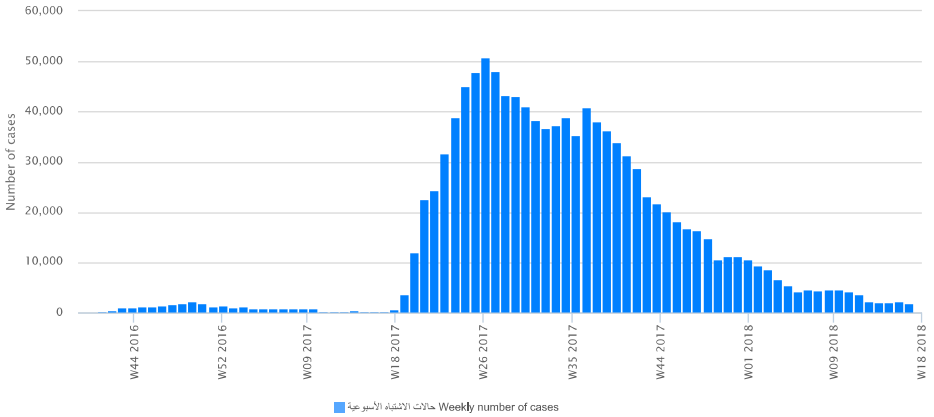
Cholera Response | Cumulative figures from 27/04/2017 to 22/4/2018

1,092,377	2,276	0.21%	96%	92%
حالات الاشتباه Suspected cases	الوفيات Associated deaths	معدل الاماته بين الحالات Case Fatality Rate	المحافظات المتأثرة بالوباء Governorates affected	المديريات المتأثرة بالوباء Districts affected
حالة اشتباه في الأسبوع الحالي 1,780 1,780 suspected cases in current week	حالة وفاة في الأسبوع الحالي 1 1 associated deaths in current week		(محافظة 22 / 23) (22 / 23 governorates)	(مديرية 305 / 333) (305 / 333 districts)

B. المنحنى الوبائي Epidemic curve

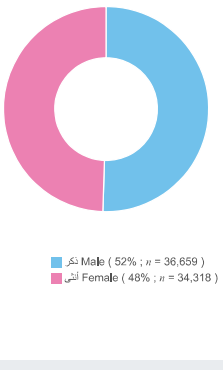
الشكل (1) المنحنى الوبائي على المستوى الوطني

Figure 1 | Epidemic curve (Country)



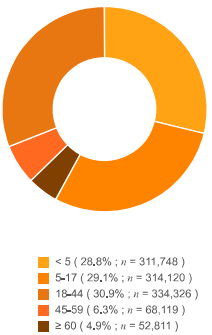
الشكل (2 أ) حالات الكوليرا على مستوى الجنس

Figure 2a Cases by sex (Cumul.)



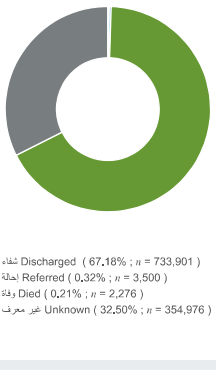
الشكل (2 ب) حالات الكوليرا على مستوى الفئات العمرية

Figure 2b Cases by age (Cumul.)



الشكل (2 ج) حالات الكوليرا بالنسبة لحالة المريض

Figure 2c Cases by outcome (Cumul.)



Trends in cases by age distribution and dehydration status

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

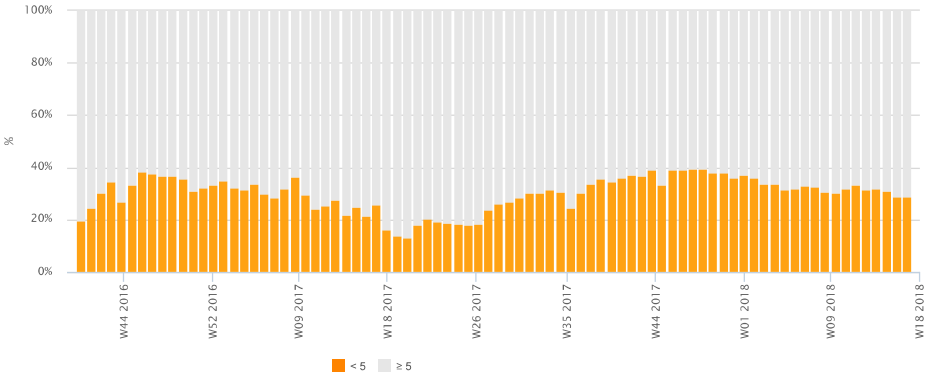
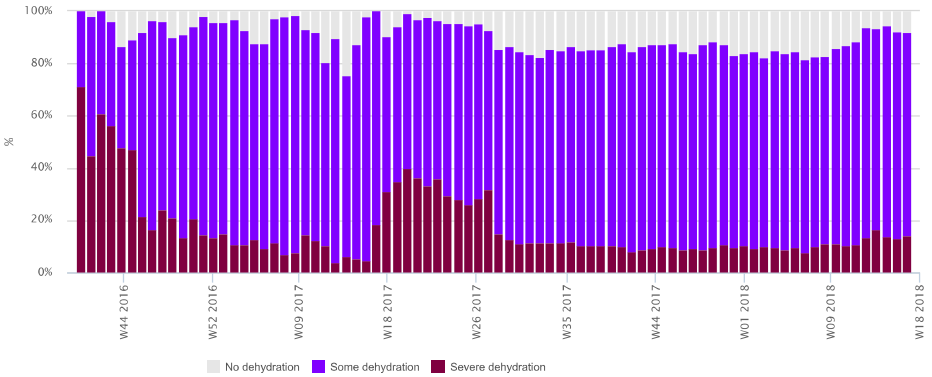


Figure 2e | Trend in proportion of cases by dehydration status[1]



[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 22/4/2018)					الاتجاه 3 أسابيع 3 week trend				
	حالات الاشتباه Cases	الوفيات Deaths	معدل الاماته 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	105,687	181	0.17%	1,164,553	907.53	112	165	170	197	▲ +14%
Al Mahwit المحويت	65,049	151	0.23%	736,291	883.47	128	139	159	106	▲ +12%
Al Dhale'e الضالع	47,171	82	0.17%	738,262	638.95	9	3	3	6	▼ -40%
Sana'a صنعاء	78,260	123	0.16%	1,478,691	529.25	100	107	76	120	▼ -19%
Dhamar ذمار	107,195	162	0.15%	2,028,347	528.48	390	329	323	176	▶ -7%
Hajjah حجة	121,357	423	0.35%	2,364,454	513.26	10	12	3	6	▼ -64%
Al Hudaydah الحديدة	160,325	284	0.18%	3,262,080	491.48	408	395	477	417	▲ +12%
Abyan أبين	28,243	35	0.12%	574,651	491.48	0	0	0	0	■ Interrupt
Al Bayda البيضاء	34,067	38	0.11%	762,763	446.63	436	424	402	279	▶ -4%
Amanat Al Asimah امانة العاصمة	107,751	72	0.07%	2,869,754	375.47	255	266	319	255	▲ +14%
Raymah ريمة	18,649	120	0.64%	611,493	304.97	16	18	25	31	▲ +27%
Al Jawf الجوف	16,161	22	0.14%	581,888	277.73	0	0	0	0	■ Interrupt
Lahj لحج	24,344	22	0.09%	1,014,788	239.89	0	0	0	0	■ Interrupt
Ibb إب	69,860	291	0.42%	2,975,558	234.78	72	77	74	77	▶ 0%
Aden عدن	20,993	62	0.30%	932,850	225.04	0	0	0	0	■ Interrupt
Taizz تعز	66,097	190	0.29%	3,016,123	219.15	80	74	96	110	▲ +15%
Marib مأرب	7,296	7	0.10%	361,641	201.75	0	0	0	0	■ Interrupt
Sa'ada صعدة	10,712	5	0.05%	920,337	116.39	0	0	0	0	■ Interrupt
Al Maharah المهرة	1,169	1	0.09%	150,293	77.78	1	0	0	0	▼ -100%
Shabwah شبوة	1,399	3	0.21%	608,312	23.00	0	0	0	0	■ Interrupt
Moklla المكلا	568	2	0.35%	444,561	12.78	0	0	0	0	■ Interrupt
Say'on سيئون	24	0	0.00%	379,435	0.63	0	0	0	0	■ Interrupt
Yemen اليمن	**1,092,377**	**2,276**	**0.21%**	**27,977,125**	**390.45**	**2,017**	**2,009**	**2,127**	**1,780**	▶ 4%

[1] معدل الاماته بين الحالات
[2] معدل الاصابة لكل 10,000 من السكان
[3] تم حساب المنحنى بناء على متوسط عدد الحالات خلال ثلاثة أسابيع سابقة (لم يتم تضمين الاسبوع الحالي في حساب المنحنى بسبب عدم اكتمال البيانات)

▲ منحنى مرتفع	غير بمعدل ≥ +10%
▶ منحنى مستقر	غير بمعدل > -10% to < +10%
▼ منحنى منخفض	غير بمعدل ≤ -10%
■ انقطاع في الارسال	عدد 0 حالة خلال 3 أسابيع متتالية

[1] Case Fatality Rate
[2] Attack Rate (/10,000 population)
[3] Trend based on average number of cases in previous 3 weeks (current week excluded due to incomplete data)

▲ Increased trend	≥ +10% change
▶ Stable trend	> -10% to < +10% change
▼ Decreased trend	≤ -10% change
■ Interruption in transmission	0 cases for 3 consecutive weeks

D. Laboratory

Figure 4 | RDT results by week

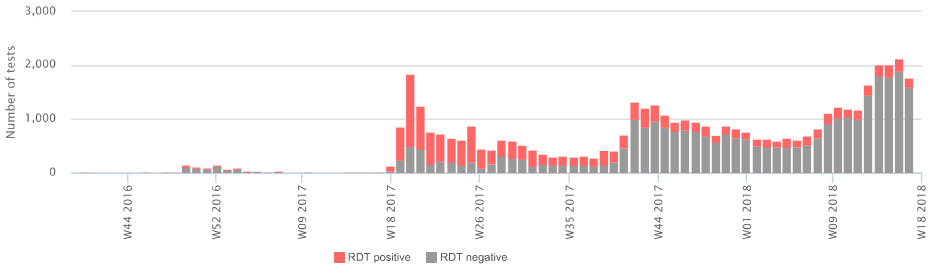
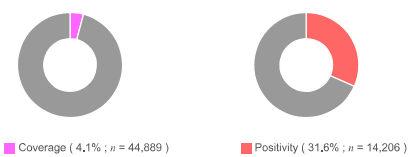
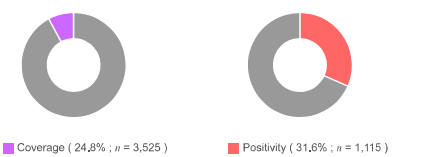


Figure 5 | Rapid Diagnostic Kit (RDT)



*Coverage of RDT is calculated based on (Number of RDT performed/Number of suspected cases)

Figure 6 | Culture



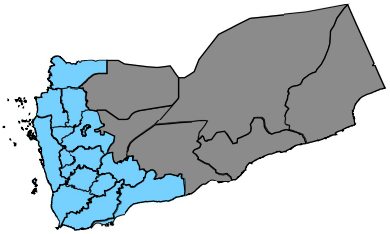
*Coverage of culture is calculated based on (Number of culture performed/Number of positive RDT)

Table 2 | Summary of key laboratory indicators by Governorate

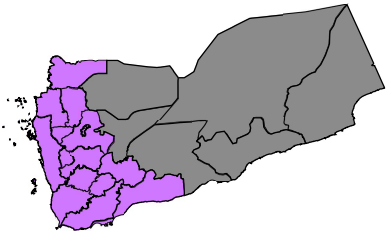
Governorate		Rapid Diagnostic Kit (RDT)				Culture			
	Cases	Total tested	Coverage	Total +ve	+vity rate	Total tested	Coverage	Total +ve	+vity rate
Abyan أبين	28,243	239	8.5%	152	63.6%	39	25.7%	23	59.0%
Aden عدن	20,993	587	28.0%	366	62.4%	173	47.3%	118	68.2%
Al Bayda البيضاء	34,067	4041	118.6%	1030	25.5%	278	27.0%	9	3.2%
Al Dhale'e الضالع	47,171	381	8.1%	135	35.4%	44	32.6%	3	6.8%
Al Hudaydah الحديدة	160,325	6888	43.0%	1564	22.7%	549	35.1%	235	42.8%
Al Jawf الجوف	16,161	1525	94.4%	924	60.6%	72	7.8%	12	16.7%
Al Maharah المهرة	1,169	264	225.8%	119	45.1%	25	21.0%	14	56.0%
Al Mahwit المحويت	65,049	2880	44.3%	1116	38.8%	157	14.1%	13	8.3%
Amanat Al Asimah امانة العاصمة	107,751	7983	74.1%	2581	32.3%	711	27.5%	192	27.0%
Amran عمران	105,687	3373	31.9%	848	25.1%	171	20.2%	23	13.5%
Dhamar ذمار	107,195	5626	52.5%	579	10.3%	164	28.3%	23	14.0%
Hajjah حجة	121,357	834	6.9%	203	24.3%	65	32.0%	14	21.5%
Ibb إب	69,860	1182	16.9%	579	49.0%	120	20.7%	13	10.8%
Lahj لحج	24,344	1160	47.7%	588	50.7%	44	7.5%	18	40.9%
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	18,649	750	40.2%	415	55.3%	44	10.6%	5	11.4%
Sa'ada صعدة	10,712	921	86.0%	752	81.7%	12	1.6%	0	0.0%
Sana'a صنعاء	78,260	4001	51.1%	925	23.1%	334	36.1%	45	13.5%
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	66,097	1802	27.3%	1060	58.8%	403	38.0%	314	77.9%
Yemen اليمن	**1,092,377**	**44,889**	**41.1%**	**14,206**	**31.6%**	**3,525**	**24.8%**	**1,115**	**31.6%**

E. التوزيع الجغرافي مع مرور الوقت Geographic distribution over time

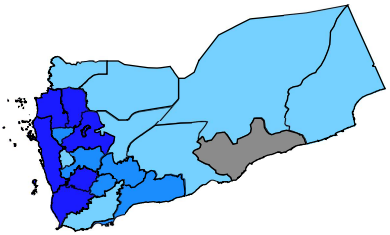
الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
Map 1a | Number of cases by governorate (Jan 2017 - Apr 2017)



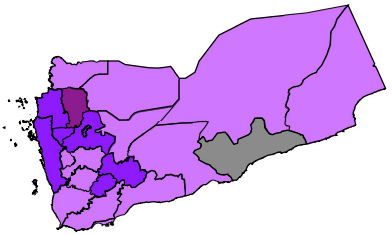
الخريطة (1 ب) معدل الاصابة للمحافظات
Map 1b | Attack rate by governorate (Jan 2017 - Apr 2017)



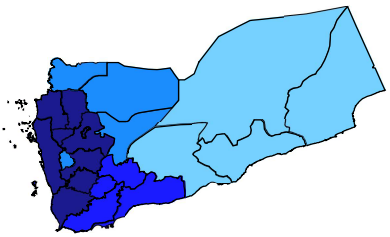
الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
Map 1c | Number of cases by governorate (Jan 2017 - Jun 2017)



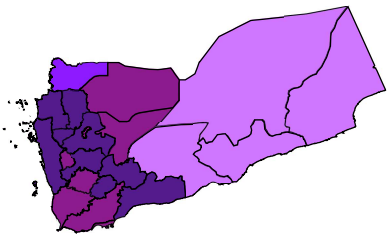
الخريطة (1 ب) معدل الاصابة للمحافظات
Map 1d | Attack rate by governorate (Jan 2017 - Jun 2017)

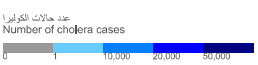


الخريطة (1 أ) عدد حالات الاشتباه للمحافظات
Map 1e | Number of cases by governorate (Jan 2017 - present)



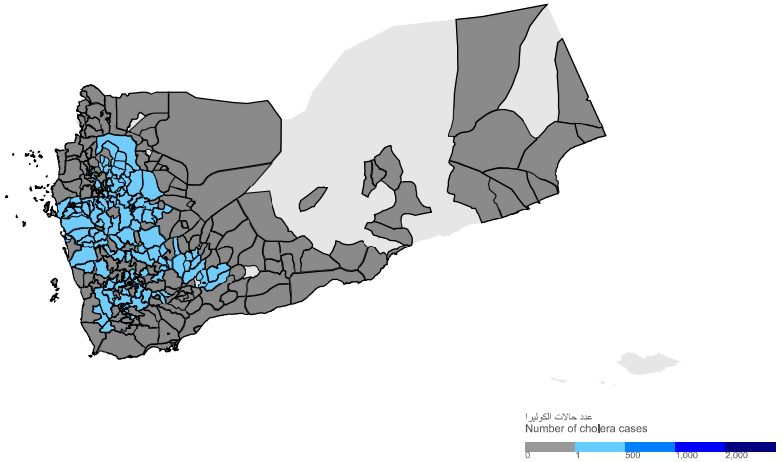
الخريطة (1 ب) معدل الاصابة للمحافظات
Map 1f | Attack rate by governorate (Jan 2017 - present)



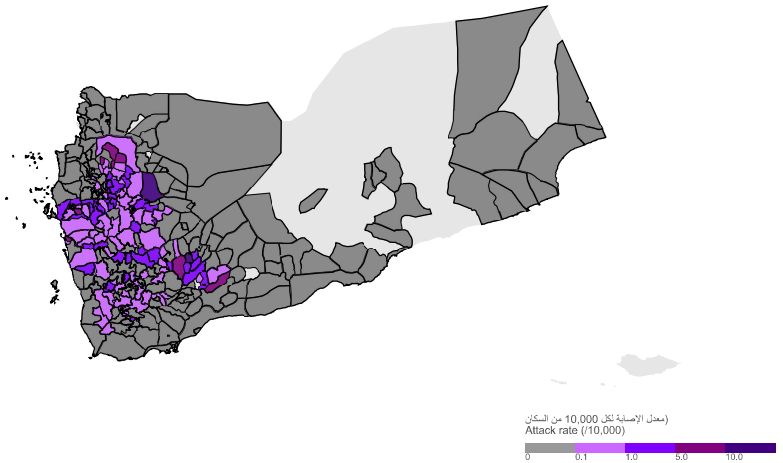


F. المديريات ذات الأولوية Districts reporting in current week

الخريطة (2 ا) عدد حالات الاشتباه الأولوية
Map 2 | Number of cases by district (W16 2018)



الخريطة (3 ب) معدل الاصابة الأولوية
Map 3 | Attack rate by district (W16 2018)



G. المنحنى الوبائي حسب المحافظة Epidemic curves by Governorate

Figure 3a | Abyan أبين

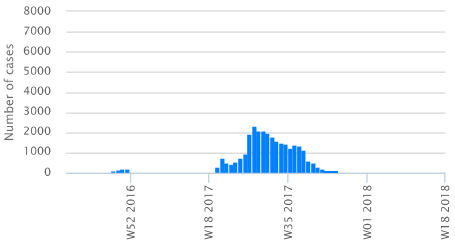


Figure 3b | Aden عدن

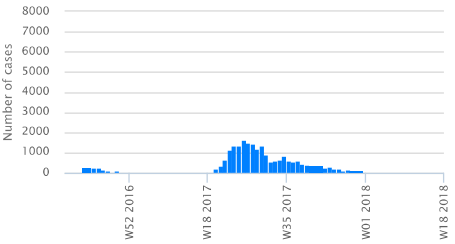


Figure 3c | Al Bayda البيضاء

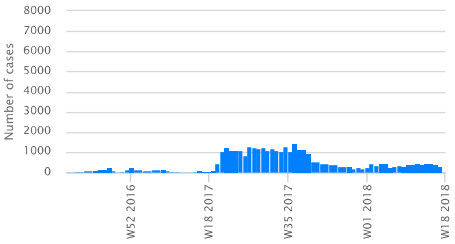


Figure 3d | Al Dhale'e الضالع

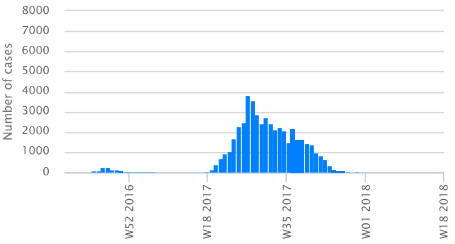


Figure 3e | Al Hudaydah الحديدة

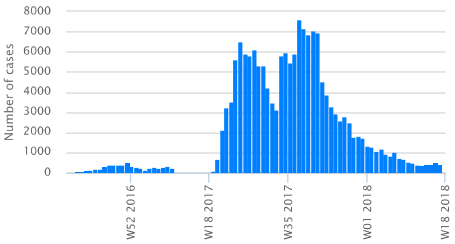


Figure 3f | Al Jawf الجوف

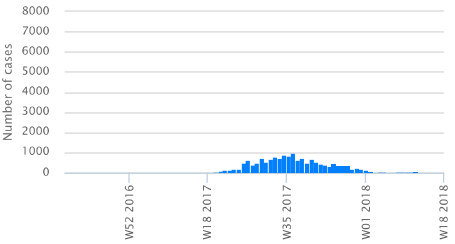


Figure 3g | Al Maharah المهرة

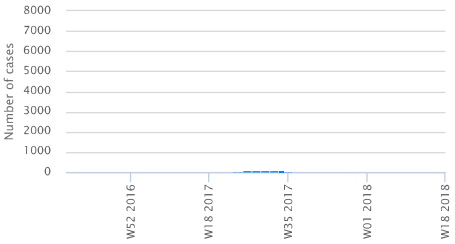


Figure 3h | Al Mahwit المحويت

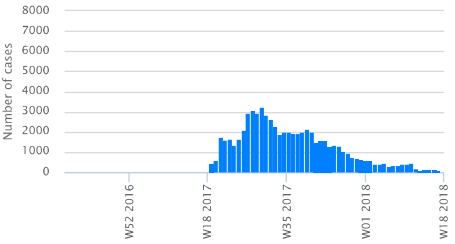


Figure 3i | Amanat Al Asimah أمانة العاصمة

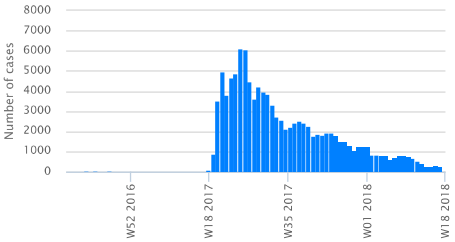


Figure 3j | Amran عمران

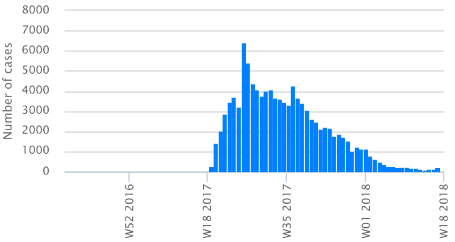


Figure 3k | Dhamar ذمار

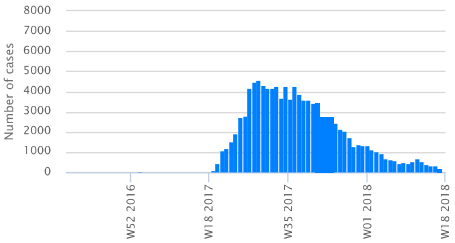


Figure 3l | Hajjah حجة

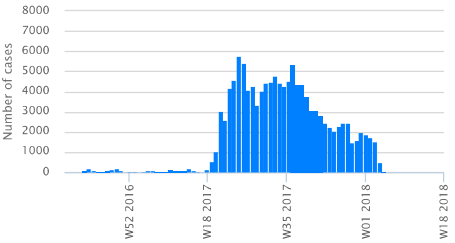


Figure 3m | Ibb إب

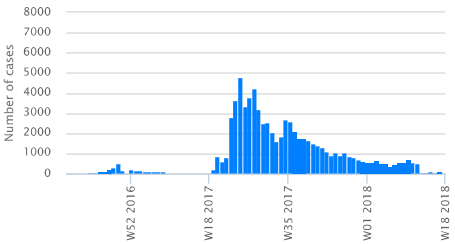


Figure 3n | Lahj لحج

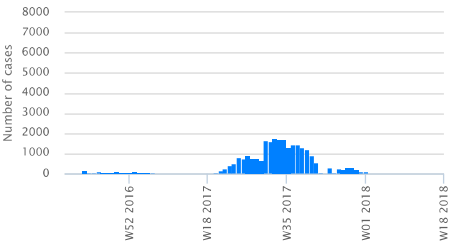


Figure 3o | Marib مأرب

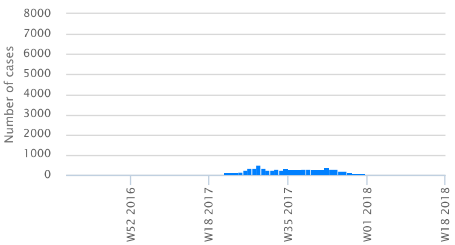


Figure 3p | Raymah ريمة

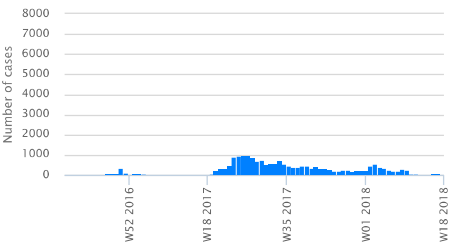


Figure 3q | Sa'ada صعدة

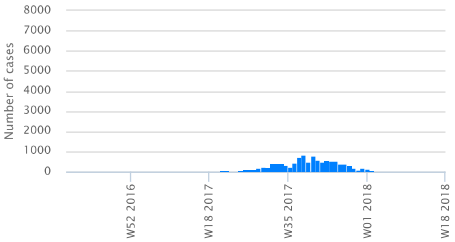


Figure 3r | Sana'a صنعاء

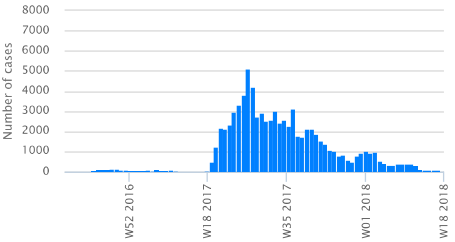


Figure 3s | Say'on سيئون

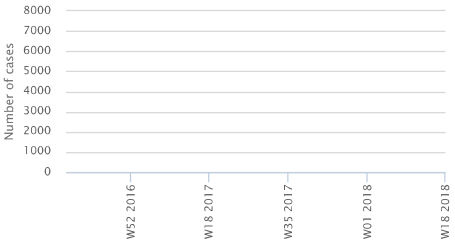


Figure 3t | Shabwah شبوة

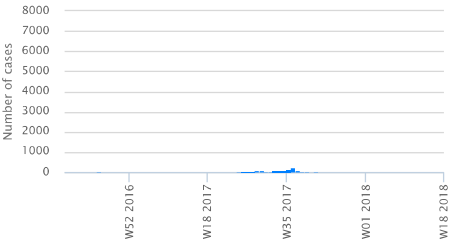
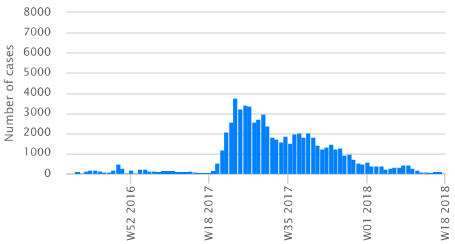


Figure 3v | Taizz تعز



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

Powered by
Global EWARS
Learn more about the project:
http://ewars-project.org

Yemen Cholera Response Portal
has been deployed since July 2017 to strengthen surveillance in response to the cholera outbreak in Yemen. http://ye.ewars.ws/login

النافذة الخاصة بالاستجابة لوباء الكوليرا في اليمن
تم النشر بتاريخ يوليو 2017 لتعزيز الترصد والاستجابة لوباء الكوليرا في اليمن http://ye.ewars.ws/login

World Health Organization