



اليمـن

الاستجابة للكوليرا Cholera Response

برنامج الترصد الإلكتروني للأمراض

Electronic Disease Early Warning System (eDEWS)

النشرة الوبائية الأسبوعية

Weekly Epidemiological Bulletin

W5 2018 (Jan 29-Feb 04)

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Highlights

Cumulative figures

- The cumulative total from 27 April 2017 to 4 Feb 2018 is 1,055,788 suspected cholera cases and 2,255 associated deaths, (CFR 0.21%), 1102 have been confirmed by culture.
- 59.3 % of death were severe cases at admission
- The total proportion of severe cases among the suspected cases is 16.1%
- The national attack rate is 381.19 per 10,000. The five governorates with the highest cumulative attack rates per 10,000 remain Amran (892), Al Mahwit (852), Al Dhale'e (644), Hajjah (520) and Sana'a (513).
- Children under 5 years old represent 28.7% of total suspected cases.
- In total, 28,999 rapid diagnostic tests (RDT) have been performed which represents 27.5% coverage.
- 2,723 cultures have been performed which represents 22.5% coverage.
- The last positive culture was on 13 Jan 2018 in Al-Wahda district in Amanat Al-Asimah
- 187 districts are still reporting suspected cholera cases since last 3 weeks
- 118 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 W3 –W5 decrease or was stable in all governorates except (Al Jawf governorate) (+67%).

Trends

- The weekly number of cases is decreasing for the 21 consecutive weeks.
- The weekly proportion of severe cases has significantly decreased representing now 10% of the admitted cases.

Week 5 2018

- 3,633 suspected cases and 1 associated deaths were reported
- 10 % are severe cases
- 545 RDTs were performed, 105 were positive
- No culture test was performed this week

A. ملخص المؤشرات Summary indicators

Cholera Response | Cumulative figures from 27/04/2017 to 4/2/2018

1,055,788**2,255****0.21%****96%****92%**حالات الاشتباه
Suspected casesالوفيات
Associated deathsمعدل الاماته بين الحالات
Case Fatality Rateالمحافظات المتأثرة بالوباء
Governorates affectedالمديريات المتأثرة بالوباء
Districts affected

حالة الشفاء في
الاسبوع الحالي
3,633
3,633 suspected cases
in current week

حالة وفاة في
الاسبوع الحالي
1
1 associated deaths
in current week

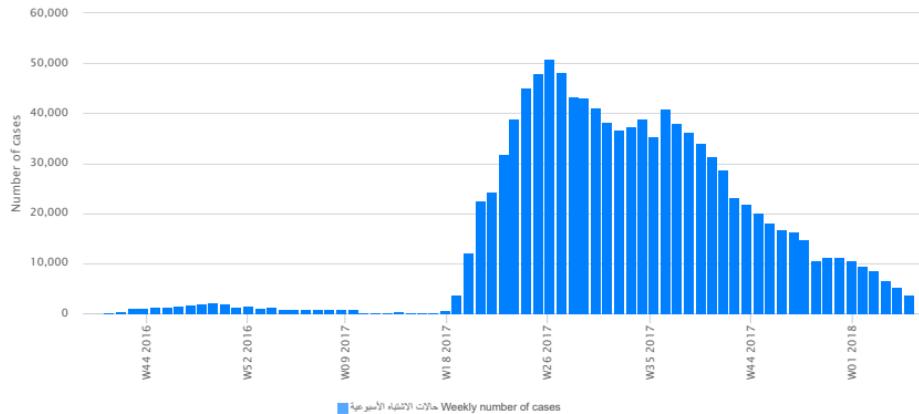
(23 / 22)
(22 / 23 governorates)

(333 / 305)
(305 / 333 districts)

B. المنحنى الوبائي Epidemic curve

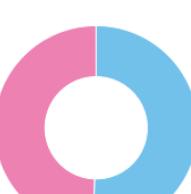
(الشكل (1) المنحنى الوبائي على مستوى الوطن)

Figure 1 | Epidemic curve (Country)



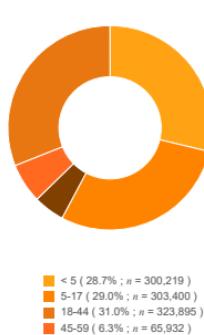
(الشكل (2) حالات الكوليرا على مستوى الجنس)

Figure 2a Cases by sex (Cumul.)



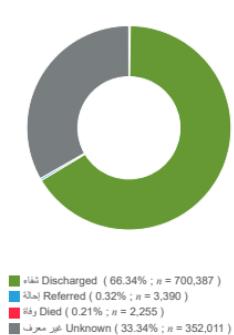
(الشكل (2) حالات الكوليرا على مستوى الفئات عمرية)

Figure 2b Cases by age (Cumul.)



(الشكل (2) حالات الكوليرا بالنسبة حالة 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 5¹

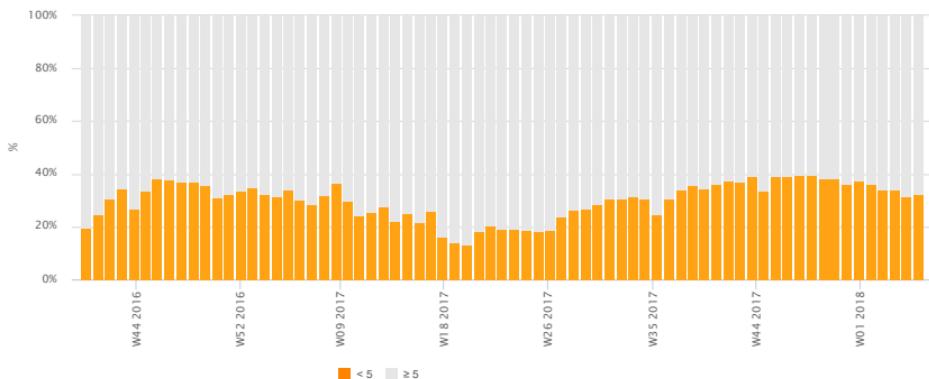
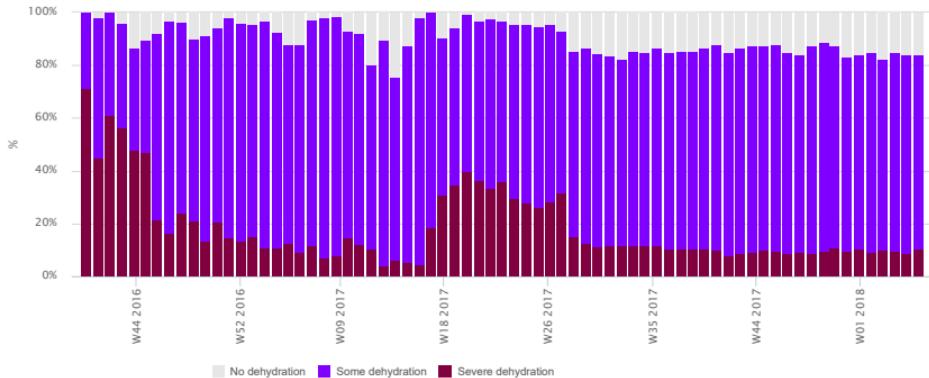


Figure 2e | Trend in proportion of cases by dehydration status¹



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

دول (1) خالصة بالمؤشرات الرئيسية بالنسبة للمحافظات

Table 1 | Summary of key cholera indicators by Governorate

المحافظات Governorate	مُركب Cumulative (27/04/2017 to 4/2/2018)					الاتجاه 3 أسابيع 3 week trend					
	حالات الإشتباه Cases	الوفيات Deaths	معدل الوفيات CFR ¹	السكان Population	معدل الإنسانية AR ²	-3 أسابيع -3W	-2 أسابيع -2W	-1 أسابيع -1W	الأسبوع الحالي W	اتجاه Trend ³	
عمران Amran	103,556	176	0.17%	1,160,559	892.29	642	494	360	262	▼ -28%	
Al Mahwit الجويت	62,275	151	0.24%	730,209	852.84	403	371	425	267	► 6%	
Al Dhale'e القصبه	47,135	81	0.17%	731,496	644.36	6	0	0	3	▼ -100%	
Hajjah حجه	121,284	422	0.35%	2,329,741	520.59	1,533	518	29	1	▼ -96%	
Sana'a صنعاء	75,531	123	0.16%	1,470,346	513.70	992	522	400	350	▼ -37%	
Dhamar ذمار	102,185	161	0.16%	2,012,264	507.81	1,031	950	699	641	▼ -22%	
Abyan أبين	28,241	35	0.12%	570,832	494.73	0	0	0	0	■ Interrupt	
Al Hudaydah الحديدة	154,262	281	0.18%	3,238,199	476.38	1,073	1,202	939	711	▼ -12%	
Al Bayda البهجه	29,980	35	0.12%	759,388	394.79	356	462	448	258	► 6%	
Amanat Al Asimah الجوف	101,910	71	0.07%	2,827,824	360.38	846	763	793	475	► -1%	
Raymah ربيه	17,445	120	0.69%	606,776	287.50	554	397	344	223	▼ -20%	
Al Jawf العوف	15,957	22	0.14%	578,585	275.79	13	38	64	21	▲ +67%	
Lahj لحج	24,342	22	0.09%	1,008,864	241.28	1	0	0	1	▼ -100%	
Aden عدن	20,932	62	0.30%	922,996	226.78	22	19	21	24	► 2%	
Ibb إب	66,147	287	0.43%	2,957,138	223.69	668	469	509	240	► -7%	
Taiz تعز	63,457	188	0.30%	2,998,300	211.64	415	373	242	156	▼ -30%	
Marib مارب	7,286	7	0.10%	358,542	203.21	0	0	1	0	▲ +200%	
Sa'ada صعدة	10,706	5	0.05%	905,145	118.28	1	2	1	0	▼ -25%	
Al Maharah المهرة	1,168	1	0.09%	148,478	78.66	0	0	0	0	■ Interrupt	
Shabwah شبوه	1,399	3	0.21%	604,243	23.15	0	0	0	0	■ Interrupt	
Mokila المكلا	568	2	0.35%	400,788	14.17	0	0	0	0	■ Interrupt	
Say'yan سقطرى	22	0	0.00%	376,237	0.58	0	0	0	0	■ Interrupt	
Yemen اليمن	1,055,788	2,255	0.21%	27,696,950	381.19	8,556	6,580	5,275	3,633	▼ -22%	

1. معدل الوفيات بين الحالات

2. معدل الإنسانية لكل 10,000 نسمة

3. تم حساب المعدل بناءً على متوسط عدد الحالات خلال 200أيام السابقة

(لم يتم تضمين الأسرع في العالم في حساب المعدل بسبب عدم التكامل للبيانات)

▲ ارتفاع ملحوظ	غير بمحمل
► انتشار ملحوظ	> +10% to < +10%
▼ انخفاض ملحوظ	< -10% to > -10%
■ انقطاع في الإرسال	عد 0 حالة خلال 3 أسابيع متالية

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

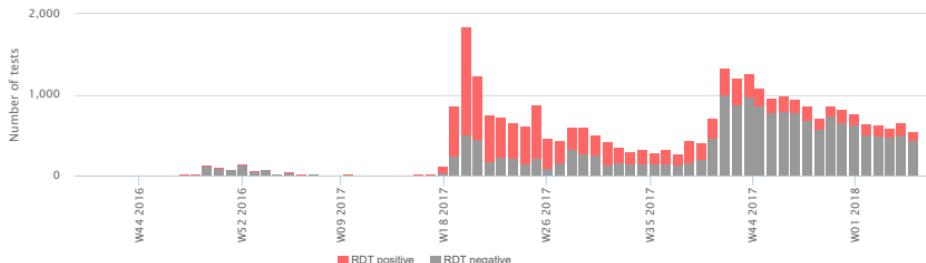


Figure 5 | Rapid Diagnostic Kit (RDT)

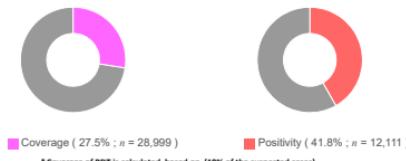


Figure 6 | Culture



Table 2 | Summary of key laboratory indicators by Governorate

Governorate	Cases	Rapid Diagnostic Kit (RDT)				Culture			
		Total tested	Coverage	Total +ve	+vity rate	Total tested	Coverage	Total +ve	+vity rate
Abyan أبين	28,241	238	8.4%	151	63.4%	39	25.8%	23	59.0%
Aden عدن	20,932	584	27.9%	363	62.2%	173	47.7%	118	68.2%
Al Bayda البيضاء	29,980	1870	62.4%	816	43.6%	194	23.8%	9	4.6%
Al Dhale'e الدليل	47,135	347	7.4%	125	36.0%	42	33.8%	3	7.1%
Al Hudaydah الحديدة	154,262	3034	19.7%	1099	36.2%	392	35.7%	227	57.9%
Al Jawf الجوف	15,957	1398	87.6%	904	64.7%	55	6.1%	12	21.8%
Al Maharah المهرة	1,168	263	225.2%	118	44.9%	25	21.2%	14	56.0%
Al Mahwit المحويت	62,275	1930	31.0%	955	49.5%	58	6.1%	13	22.4%
Amanat Al Asimah أمانة الصالحة	101,910	5136	50.4%	2145	41.8%	489	22.8%	188	38.4%
Amran عمران	103,556	2121	20.5%	666	31.4%	89	13.4%	23	25.8%
Dhamar ذمار	102,185	2965	29.0%	399	13.5%	119	29.8%	23	19.3%
Hajjah حجة	121,284	766	6.3%	178	23.2%	46	25.8%	14	30.4%
Ibb إب	66,147	693	10.5%	459	66.2%	99	21.6%	13	13.1%
Lahj لحج	24,342	1160	47.7%	588	50.7%	44	7.5%	18	40.9%
Marib مارب	7,286	192	26.4%	124	64.6%	2	1.6%	0	0.0%
Mokilla الملاك	568	105	184.9%	80	76.2%	55	68.8%	32	58.2%
Raymah ريمة	17,445	589	33.8%	385	65.4%	32	8.3%	5	15.6%
Sa'ada صعدة	10,706	920	85.9%	752	81.7%	12	1.6%	0	0.0%
Sana'a صنعاء	75,531	3195	42.3%	792	24.8%	294	37.1%	44	15.0%
Say'on سقون	22	21	954.5%	9	42.9%	11	122.2%	0	0.0%
Shabwah شبوة	1,399	127	90.8%	53	41.7%	51	96.2%	9	17.6%
Taizz تعز	63,457	1345	21.2%	950	70.6%	402	42.3%	314	78.1%
Yemen اليمن	1,055,788	28,999	27.5%	12,111	41.8%	2,723	22.5%	1,102	40.5%

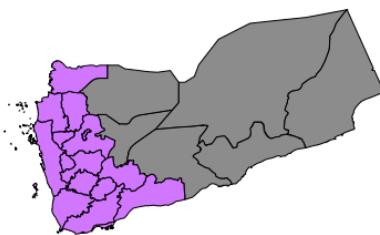
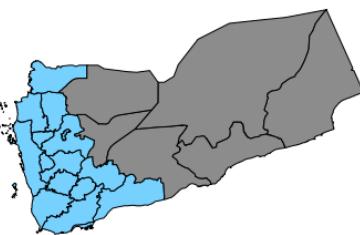
E. التوزيع الجغرافي مع مرور الوقت Geographic distribution over time

الخريطة (أ) عدد حالات الإنتشار للمحافظات

Map 1a | Number of cases by governorate (Jan 2017 - Apr 2017)

الخريطة (ب) معدل الاصابة للمحافظات

Map 1b | Attack rate by governorate (Jan 2017 - Apr 2017)

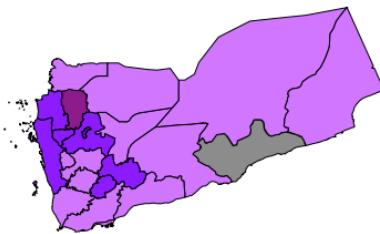
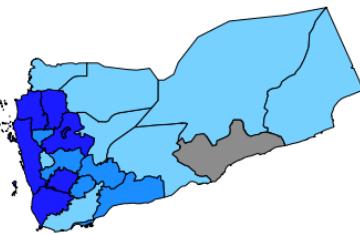


الخريطة (أ) عدد حالات الإنتشار للمحافظات

Map 1c | Number of cases by governorate (Jan 2017 - Jun 2017)

الخريطة (ب) معدل الاصابة للمحافظات

Map 1d | Attack rate by governorate (Jan 2017 - Jun 2017)

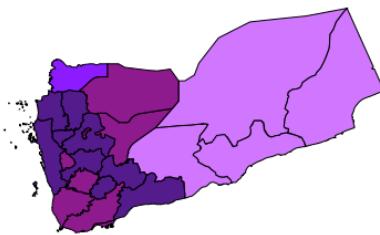
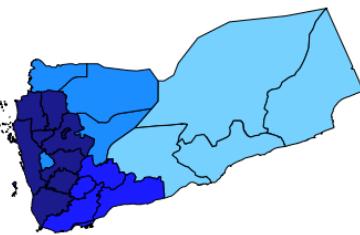


الخريطة (أ) عدد حالات الإنتشار للمحافظات

Map 1e | Number of cases by governorate (Jan 2017 - present)

الخريطة (ب) معدل الاصابة للمحافظات

Map 1f | Attack rate by governorate (Jan 2017 - present)



عدد حالات الكوليرا
Number of cholera cases



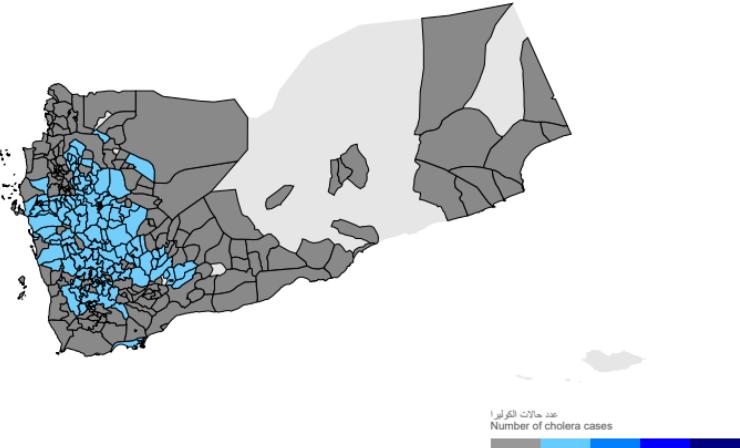
(معدل الاصابة) لكل 10,000 من السكان
Attack rate (/10,000)



F. المديريات ذات الأولوية Districts reporting in current week

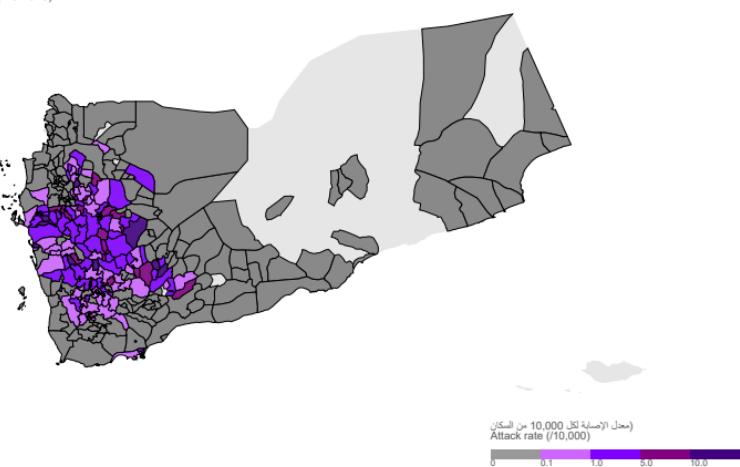
الخريطة (2) عدد حالات الإنفلونزا الكليريا

Map 2 | Number of cases by district (W5 2018)



الخريطة (3) ب) معدل الاصابة الكليريا

Map 3 | Attack rate by district (W5 2018)



G. المُنْحَنِي الوبائي حسب المحافظة | Epidemic curves by Governorate

Figure 3a | Abyan أبين

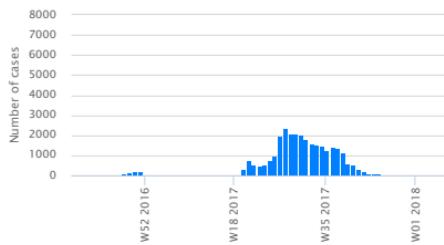


Figure 3c | Al Baydaً التهامة

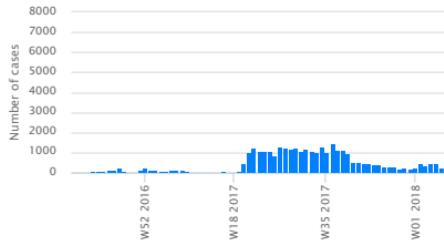


Figure 3e | Al Hudaydah الحديدة

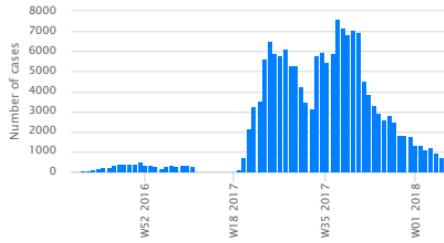


Figure 3g | Al Maharah الجراري

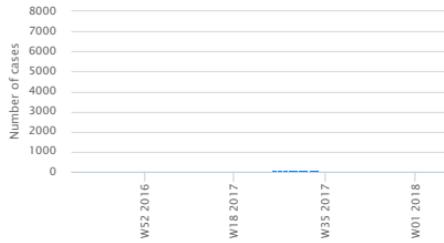


Figure 3b | Aden عدن

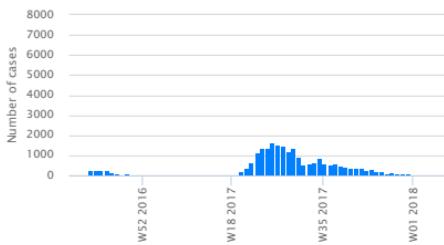


Figure 3d | Al Dhale'e الدلنج

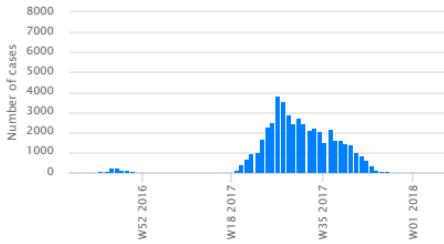


Figure 3f | Al Jawf الجوف

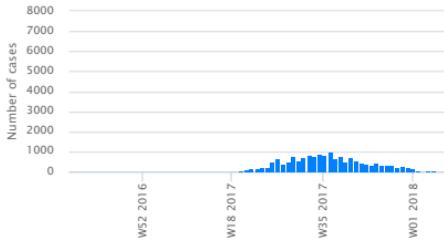


Figure 3h | Al Mahwit الجويت

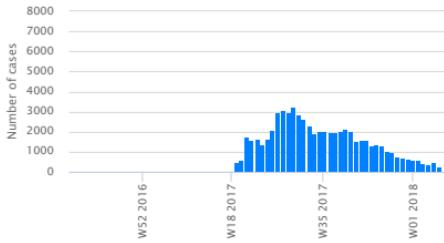


Figure 3i | Amanat Al Asimah أمانة العاصي

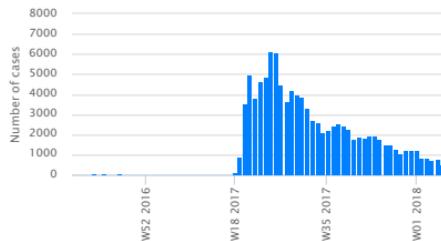


Figure 3k | Dhamar ذمار

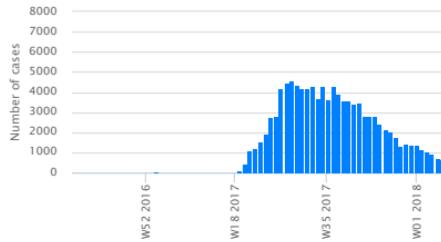


Figure 3m | Ibb إب

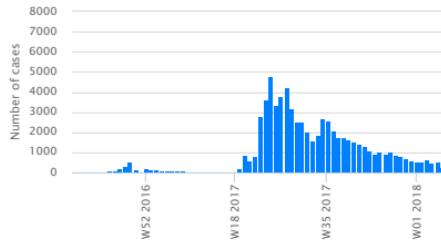


Figure 3o | Marib مأرب

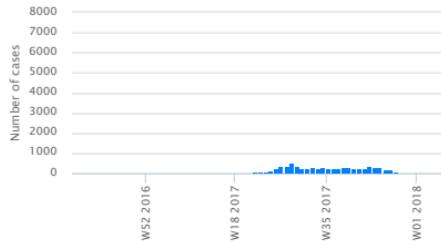


Figure 3j | Amran عمران

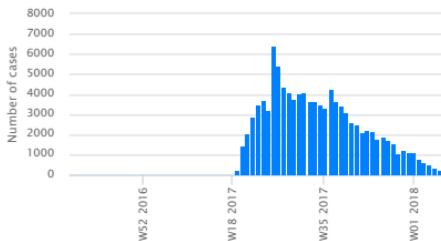


Figure 3l | Hajjah حجه

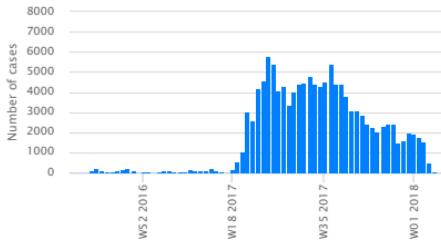


Figure 3n | Lahij لحج

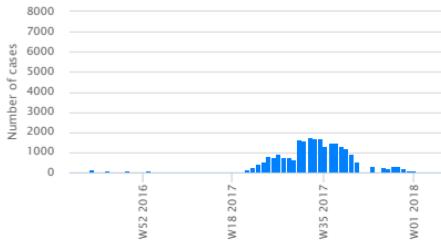


Figure 3p | Raymah رماد

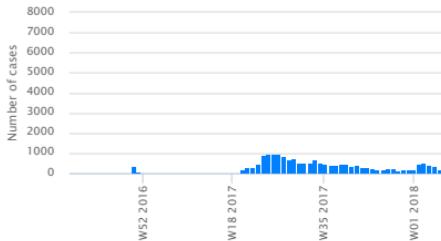


Figure 3q | Sa'ada سعاده

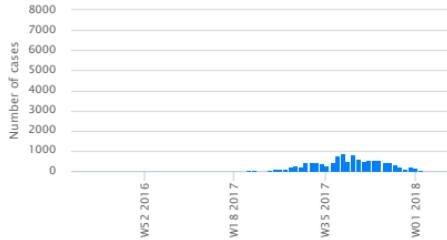


Figure 3s | Say'on سعون



Figure 3v | Taizٖ

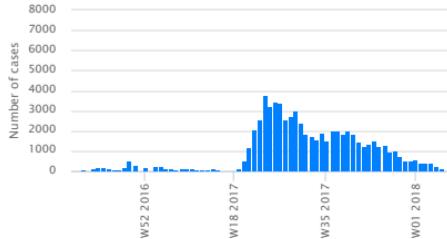


Figure 3r | Sana'a صنعاء

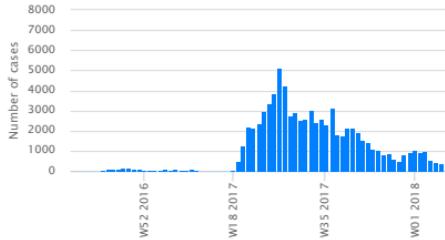
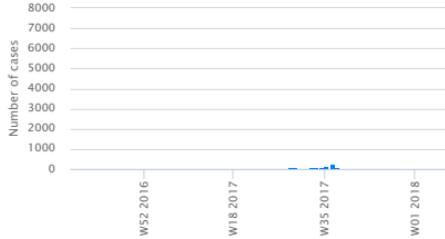


Figure 3t | Shabwah شبوة



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Email: cool@who.int

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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 10 مارس 2017 لعزيز الرمادي وأسمدة أبواء
الكوليرا في اليمن <http://ye.ewars.ws/login>

