

اليمن Yemen

الاستجابة للكوليرا Cholera Response

برنامج الترصد الإلكتروني للإمراض Electronic Disease Early Warning System (eDEWS) النشرة الوبائية الأسبوعية Weekly Epidemiological Bulletin

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W12 2018 (Mar 19-Mar 25)

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ملخص المؤشرات أ المنحنى الوباتي ب المؤشرات الرئيسية حسب المحافظة ج المؤشرات المختبرية د التوزيع الجغرافي مع مرور الوقت د

المنحنى الوبائي حسب المحافظة. هـ

المدير بات ذات الأولوية . هـ

Highlights

Cumulative figures

- -The cumulative total from 27 April 2017 to 25 Mar 2018 is 1,084,191 suspected cholera cases and 2,267 associated deaths, (CFR 0.21%), 1113 have been confirmed by culture.
- The total proportion of severe cases among the suspected cases is 15.4%
- The national attack rate is 388.1 per 10,000. The five governorates with the highest cumulative attack rates per 10,000 remain Amran (902), Al Mahwit (877), Al Dhale'e (639), Sana'a (527) and Dhamar (523).
- Children under 5 years old represent 28.8% of total suspected cases.
- In total, 36,706 rapid diagnostic tests (RDT).
- 2,927 cultures have been performed which represents 21% coverage.
- The last positive culture was on 9 Mar 2018 in Al Hali district in Al Hudeideh governorate
- Since 1st of Jan 2018 the districts with highest cumulative suspected cases are Al Hali (4006), Maqbanah (1,795), Al Sabaeen (1,495), Bani Al Harith (1,452), Radman Al Awad (1,407)
- 174 districts are still reporting suspected cholera cases since last 3 weeks
- 131 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 W9 –W11 decrease or was stable in all governorates except (Dhamar +24%) **Trends**
- The trend of weekly number of cases is decreasing since week 36.
- The weekly proportion of severe cases has significantly decreased (now 14%).

Week 12 2018

- 2,082 suspected cases and 0 associated deaths were reported
- The districts reporting the highest number of cases are Radman Al Awad (138), Al Hali (120), Utmah (113), Ath'thaorah (108),
- 14 % are severe cases
- 1532 RDTs were performed, 179 were positive
- no culture results received this week

Cholera Response | Cumulative figures from 27/04/2017 to 25/3/2018

1,084,191

2,267

0.21%

96%

92%

حالات الاشتباه Suspected cases

حلة اشتباه في 2,082 الأسبوع الحللي 2,082 suspected cases

in current week

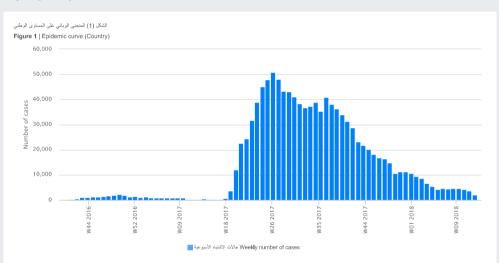
الوفيات Associated deaths

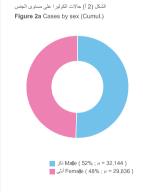
حالة وفاة في 0 الأسبوع الحالي 0 associated deaths in current week معدل الاماته بين الحالات Case Fatality Rate المحافظات المتأثرة بالوباء Governorates affected

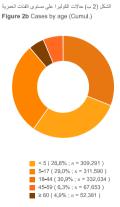
(محافظة 22 / 23) (22 / 23 governorates) المديريات المتأثّرة بالوباء Districts affected

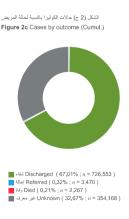
(مديرية 305 / 333) (مديرية 305 / 333 districts)

B. المنحنى الوباني Epidemic curve









Trends in cases by age distribution and dehydration status

Figure 2d | Trend in proportion of cases aged under 51

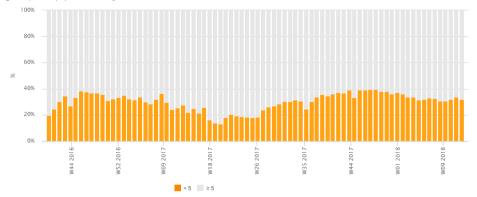
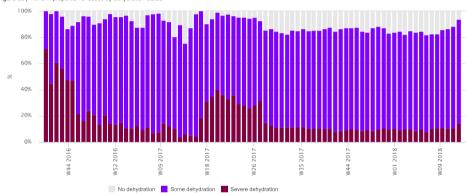


Figure 2e | Trend in proportion of cases by dehydration status1



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

جدول (1) خلاصة بالمؤشرات الرئيسية بالنسبة للمحافظات

Table 1 | Summary of key cholera indicators by Governorate

للمحافظات	ئراكم <i>ي</i>
Governorate	Cumulative (27/04/2017 to 25/3/2018)

الاتجاه 3 أسابيع 3 week trend

	حالات الاشتباه Cases	الوڤيات Deaths	معدل الإماثه CFR ¹	السكان Population	معدل الإصابة AR ²	أسابيع 3ـ 3W-	أسابيع 2ــ 2W-	اسابيع 1- 1W-	الأسبوع الحالي W	اتجاه Trend ³
عسران Amran	105,014	177	0.17%	1,163,805	902.33	238	213	204	125	▶ -7%
Al Mahwit المحريث	64,514	151	0.23%	735,150	877.56	392	469	203	116	▼ -43%
Al Dhale'e الضالع	47,148	81	0.17%	736,994	639.73	1	4	6	0	▲ +64%
صنعاء Sana'a	77,855	123	0.16%	1,477,126	527.07	395	415	290	85	▼ -21%
نمار Dhamar	105,977	162	0.15%	2,025,331	523.26	447	543	699	542	▲ +24%
حجة Hajjah	121,326	423	0.35%	2,357,945	514.54	8	7	10	7	▲ +20%
أبين Abyan	28,243	35	0.12%	573,935	492.09	0	0	0	0	■ Interrup
A l Hudaydah الحنينة	158,603	283	0.18%	3,257,603	486.87	532	496	421	336	▼ -13%
Al Bayda البيضاء	32,513	37	0.11%	762,131	426,61	403	377	441	397	▶ 8%
Amanat A l Asimah أماثة العاصمة	106,554	71	0.07%	2,861,892	372,32	717	666	506	346	▼ -20%
ربعة Raymah	18,525	120	0.65%	610,609	303.39	232	73	37	19	▼ -68%
Al Jawf الجرف	16,161	22	0.14%	581,269	278.03	36	31	25	4	▼ -18%
لحج Lahj	24,344	22	0.09%	1,013,677	240.16	0	1	0	0	▼ -100%
lbb!	69,531	291	0.42%	2,972,105	233.95	685	541	491	36	▼ -14%
عدن Aden	20,993	62	0.30%	931,003	225.49	4	0	0	0	▼ -100%
تعز Taizz	65,723	189	0.29%	3,012,781	218.15	426	285	170	69	▼ -42%
مأرب Marib	7,296	7	0.10%	361,060	202.07	1	0	0	0	▼ -100%
صعدة Salada	10,712	5	0.05%	917,489	116.75	2	2	1	0	▼ -40%
Al Maharah المهرة	1,168	1	0.09%	149,953	77.89	0	0	0	0	■ Interrup
Shabwah ثنبرة	1,399	3	0.21%	607,549	23.03	0	0	0	0	■ Interrup
المكاذ Moklla	568	2	0.35%	443,888	12.80	0	0	0	0	■ Interrup
سيئون Say'on	24	0	0.00%	378,836	0.63	0	0	1	0	▲ +200%
اليمن Yemen	1,084,191	2,267	0.21%	27,932,127	388.15	4,519	4,123	3,505	2,082	▼ -13%

معدل الاماته بين المالات 1

معذل الامكته بين المطارت . معدل الإستثبة ككل 10,000 من السكان 2 تم حساب المنطقي يقاء على متوسط عند المالات خلال اللاقة المنابع سابقة 3 (لم يكم تضمين الاسرع الحالي في حساب المنطق بسبب عند اكتمال البيانات)

ملحلي مرتفع 🛦	غيير بمحدل %10+ ≤	
ملحلى مستكار 🗲	غيير بمعدل %to < +10 - <	
ملحلى ملخفض 🔻	غيير بمعدل %10- ≥	
انقطاع في الارسال 🔳	عدد 0 حالة خلال 3 أسابيع متثالية	

Caser reasily nater
 Attack Rate (70,000 population)
 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

¹ Case Fatality Rate

D. Laboratory

Figure 4 | RDT results by week

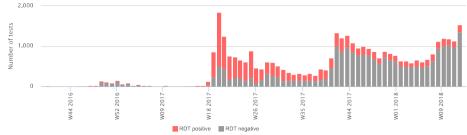


Figure 5 | Rapid Diagnostic Kit (RDT)



*Coverage of RDT is calculated based on (Number of RDT performed/Number of suspected cases) **Table 2** | Summary of key laboratory indicators by Governorate

Figure 6 | Culture



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

Governorate		Rapid Diagnostic Kit (RDT)				Culture			
	Cases	Total tested	Coverage	Total +ve	+vity rate	Total tested	Coverage	Total +ve	+vity rate
أبين Abyan	28,243	239	8.5%	152	63.6%	39	25.7%	23	59.0%
عدن Aden	20,993	587	28.0%	366	62.4%	173	47.3%	118	68.2%
Al Bayda البيضاء	32,513	2487	76.5%	950	38.2%	194	20.4%	9	4.6%
Al Dhale'e الضال	47,148	359	7.6%	130	36.2%	42	32.3%	3	7.1%
Al Hudaydah الحديدة	158,603	5166	32.6%	1368	26.5%	481	35.2%	234	48.6%
الجوف Al Jawf	16,161	1525	94.4%	924	60.6%	72	7.8%	12	16.7%
Al Maharah المهرة	1,168	263	225.2%	118	44.9%	25	21.2%	14	56.0%
Al Mahwit المحريث	64,514	2345	36.3%	1054	44.9%	98	9.3%	13	13.3%
Amanat A l Asimah أماثة العاصمة	106,554	6786	63.7%	2422	35.7%	495	20.4%	191	38.6%
عمران Amran	105,014	2702	25.7%	755	27.9%	109	14.4%	23	21.1%
نمار Dhamar	105,977	4408	41.6%	514	11.7%	127	24.7%	23	18.1%
حجة Hajjah	121,326	803	6.6%	194	24.2%	46	23.7%	14	30.4%
lbb!	69,531	853	12.3%	525	61.5%	103	19.6%	13	12.6%
لحج Lahj	24,344	1160	47.7%	588	50.7%	44	7.5%	18	40.9%
مأرب Marib	7,296	197	27.0%	128	65.0%	2	1.6%	0	0.0%
المكلا Moklia	568	105	184.9%	80	76.2%	55	68.8%	32	58.2%
ربعة Raymah	18,525	626	33.8%	405	64.7%	33	8.1%	5	15.2%
صعدة Sa'ada	10,712	921	86.0%	752	81.7%	12	1.6%	0	0.0%
صنعاء Sana'a	77,855	3596	46.2%	873	24.3%	312	35.7%	45	14.4%
سينون Say'on	24	23	958,3%	9	39.1%	12	133,3%	0	0.0%
شبوة Shabwah	1,399	127	90.8%	53	41.7%	51	96.2%	9	17.6%
تعز Faizz	65,723	1428	21.7%	969	67.9%	402	41.5%	314	78.1%
اليمن Yemen	1,084,191	36,706	33.9%	13,329	36.3%	2,927	22.0%	1,113	38.0%

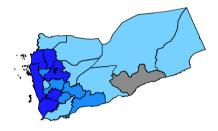
الغريطة (أ أ) عدد حالات الإشتباه للمحافظات Map 1a | Number of cases by governorate (Jan 2017 - Apr 2017)



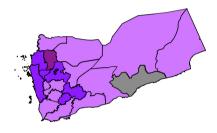
الغريطة (1 ب) معدل الاصابة للمحافظات Map 1b | Attack rate by governorate (Jan 2017 - Apr 2017)



الغريطة (1 أ) عدد حالات الاشتباء للمحافظات **Map 1c** | Number of cases by governorate (Jan 2017 - Jun 2017)



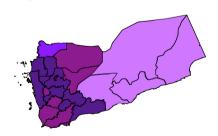
الخريطة (1 ب) معدل الاصابة للمحافظات Map 1d | Attack rate by governorate (Jan 2017 - Jun 2017)



الغريطة (1 أ) عند حالات الإشتباء للمحافظات ${
m Map 1e}$ | Number of cases by governorate (Jan 2017 - present)

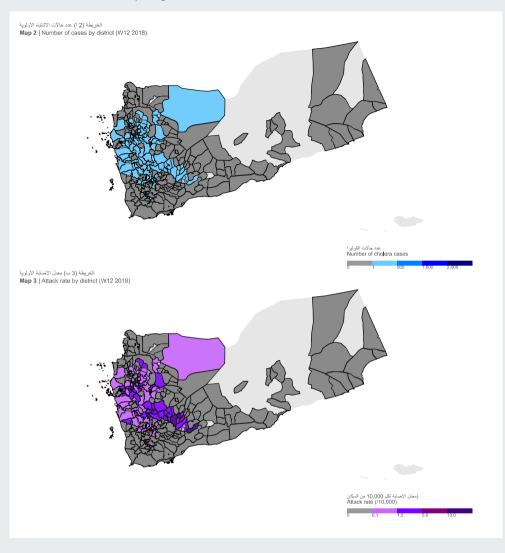


الخريطة (1 ب) معدل الاصابة للمحافظات Map 1f | Attack rate by governorate (Jan 2017 - present)



ند حالات الكولير ا Number of c		
	10.000	 27124444

	ك 10,000 من k rate (/10,0		4)		
0	0.1	100.0	200.0	400.0	



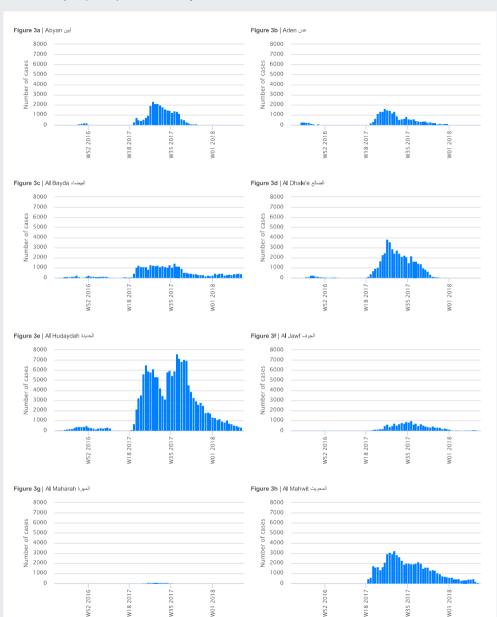
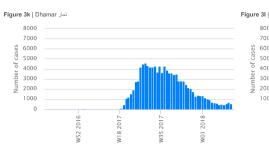
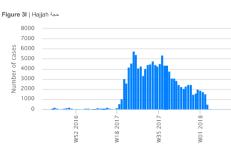
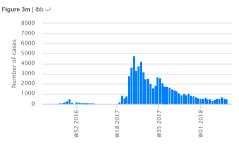


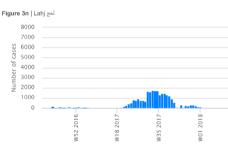
Figure 3i | Amanat Al Asimah أمانة العاصمة عبران Amran عبران 8000 8000 7000 7000 6000 6000 Number of cases Number of cases 5000 5000 4000 4000 3000 3000 2000 2000 1000 1000 0 N52 2016-W18 2017-NO1 2018-W52 2016-N35 2017-N35 2017 N18 2017

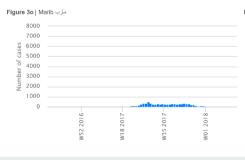


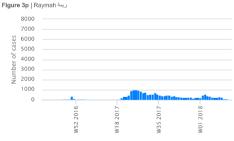


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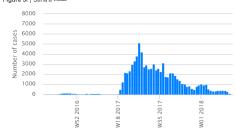




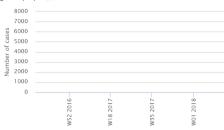




صنعاء Sana'a ا Figure 3r



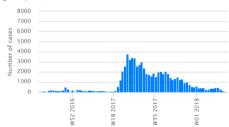
سينون Say'on ا Figure 3s



شبرة Shabwah ا



تعز Taizz ا Figure 3v



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Yemen Cholera Response Portal

has been deployed since July 2017 to strengthen surveillance in response to the chollera outbreak in Yemen, http://ye.ewars.ws/login

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

