

اليمن Yemen

الاستجابة للكوليرا Cholera Response

برنامج الترصد الالكتروني للإمراض Electronic Disease Early Warning System (eDEWS) النشرة الوبائية الأسبوعية Weekly Epidemiological Bulletin W18 2018 (Apr 30-May 06)

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ملخص الموشرات أ المنحنى الوباني ب الموشرات الرئيسية حسب المحافظة . المؤشرات المختبرية د التوزيع الجغرافي مع مرور الوقت .

المنحنى الوبائي حسب المحافظة. هـ

المديريات ذات الأولوية . ه

Highlights

Cumulative figures

- -The cumulative total from 27 April 2017 to 6 May 2018 is 1,096,317 suspected cholera cases and 2,282 associated deaths, (CFR 0.21%), 1115 have been confirmed by culture.
- The total proportion of severe cases among the suspected cases is 15.2%
- The national attack rate is 391.5 per 10,000. The five governorates with the highest cumulative attack rates per 10,000 remain Amran (911), Al Mahwit (887), Al Dhale'e (639), Dhamar (532), Sana'a (531)
- Children under 5 years old represent 28.8% of total suspected cases.
- In total, 48,825 rapid diagnostic tests (RDT).
- 3,604 cultures have been performed which represents 24% coverage.
- The last positive culture was on 3 April 2018 in Ma'ain district in Amanat Al Asimah
- Since 1st of Jan 2018 the districts with highest cumulative suspected cases are Al Hali (4894), Radman Al Awad (1,974), Al Sabaeen (1,875), Magbanah (1,861), Al Mighlaf (1,674)
- 147 districts are still reporting suspected cholera cases since last 3 weeks
- 158 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 W15 –W17 decrease or was stable in all governorates, except Amran +23%, Al Mahwit +19%, Dhamar +18%, Sana'a +19%.

Trends

- The trend of weekly number of cases is decreasing since week 36.
- The weekly proportion of severe cases has significantly decreased (now 15%).

Week 18 2018

- 2,017 suspected cases and 3 associated deaths were reported
- The districts reporting the highest number of cases are Dhamar City (106), Jabal Ash sharq (97), Dawran Aness, (95), Al Hali (89).
- 15 % are severe cases
- 2,014 RDTs were performed, 185 were positive
- no culture results received this week

Cholera Response | Cumulative figures from 27/04/2017 to 6/5/2018

1,096,317

2,282

0.21%

96% المحافظات المتأثرة بالوباء Governorates

affected

(محافظة 22 / 23)

(22 / 23 governorates)

92% المديريات المتأثرة بالوباء Districts

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

حالات الاشتباء Suspected cases

حالة اشتباه في 2,017 الأسبوع الحالي 2,017 suspected cases

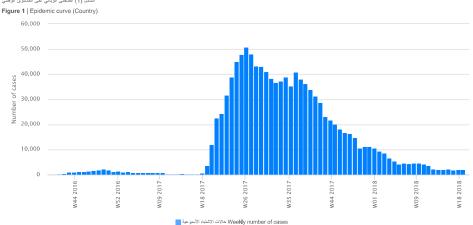
in current week

الوفيات Associated deaths

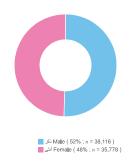
حالة وفاة في الأسبوع الحالي 3 associated deaths in current week معدل الاماته بين الحالات Case Fatality Rate

B. المنحنى الوبائي Epidemic curve

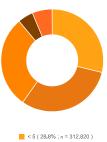
الشكل (1) المنحني الوباني على المستوى الوطني







الشكل (2 ب) حالات الكوليرا على مستوى الفنات العمرية Figure 2b Cases by age (Cumul.)





18-44 (30.9%; n = 335,510 45-59 (6.3%; n = 68,367) ≥ 60 (4.9%; n = 53,013) الشكل (2 ج) حالات الكوليرا بالنسبة لحالة المريض Figure 2c Cases by outcome (Cumul.)



- (67.29% ; n = 737,709 شفاء Discharged (67.29% ; n = 737,709) مثاء المثانة (Referred (0.32% ; n = 3,512)
- وفاة Died (0.21% ; n = 2,282) ا غرب معرف Unknown (32.39% ; n = 355,096)

Trends in cases by age distribution and dehydration status

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

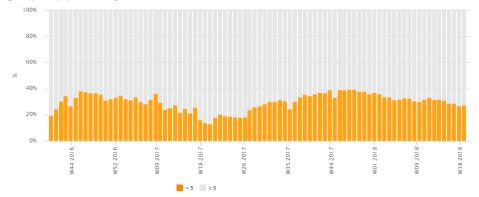
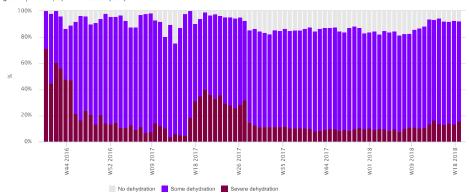


Figure 2e | Trend in proportion of cases by dehydration status1



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.

جدول (1) خلاصة بالمؤشرات الرئيسية بالنسبة للمحافظات

Table 1 | Summary of key cholera indicators by Governorate

للمحافظات	ئراك <i>مى</i>
Governorate	Cumulative (27/04/2017 to 6/5/2018)

الاتجاه 3 أسابيع 3 week trend

Governorate	Cumulative (27/04/2017 to 6/5/2018)					3 week trend				
	حالات الاشتباء Cases	الوفيات Deaths	معدل الإماته CFR ¹	السكان Population	معدل الإصابة AR ²	أسابيع 3ـ W3-	أسابيع 2ـ 2W-	اسابيع 1- 1W-	الأسبوع الحالي W	اتجاه Trend ³
عسران Amran	106,131	183	0.17%	1,164,886	911.08	170	197	254	190	▲ +23%
Al Mahwit المحويث	65,407	151	0.23%	736,797	887.72	159	106	175	183	▲ +19%
Al Dhale'e الضالع	47,185	82	0.17%	738,826	638.65	3	6	7	7	▲ +31%
نمار Dhamar	108,096	163	0.15%	2,029,687	532.57	323	176	322	579	▲ +18%
صنعاء Sana'a	78,572	123	0.16%	1,479,386	531.11	76	120	128	184	▲ +19%
حجة Hajjah	121,361	423	0.35%	2,367,346	512.65	3	6	4	0	▶ -8%
A l Hudaydah آلحديدة	160,931	284	0.18%	3,264,070	493.04	477	419	346	258	▼ -16%
أبين Abyan	28,243	35	0.12%	574,969	491.21	0	0	0	0	■ Interrupt
Al Bayda البيضاء	34,495	38	0.11%	763,045	452,07	402	279	237	191	▼ -23%
Amanat A l Asimah أمانة العاصمة	108,174	72	0.07%	2,873,248	376.49	320	255	262	160	▶ -6%
ريمة Raymah	18,713	123	0.66%	611,886	305.82	25	32	24	39	▼ -11%
Al Jawf الجرف	16,178	22	0.14%	582,163	277.89	0	0	12	5	▲ +200%
لحج Lahj	24,344	22	0.09%	1,015,282	239.78	0	0	0	0	■ Interrupt
lbb →	70,050	291	0.42%	2,977,093	235.30	74	82	66	119	▼ -11%
عدن Aden	20,993	62	0.30%	933,671	224.84	0	0	0	0	■ Interrupt
تعز Taizz	66,275	190	0.29%	3,017,608	219.63	96	110	77	101	▼ -18%
مأرب Marib	7,296	7	0.10%	361,899	201.60	0	0	0	0	■ Interrupt
صعدة Sa'ada	10,713	5	0.05%	921,603	116.24	0	0	0	1	■ Interrupt
A l Maharah المهرة	1,169	1	0.09%	150,445	77.70	0	0	0	0	■ Interrupt
Shabwah شبوة	1,399	3	0.21%	608,651	22.99	0	0	0	0	■ Interrupt
المكاد Moklla	568	2	0.35%	444,860	12.77	0	0	0	0	■ Interrupt
سيئون Say'on	24	0	0.00%	379,702	0.63	0	0	0	0	■ Interrupt
اليمن Yemen	1,096,317	2,282	0.21%	27,997,124	391.58	2,128	1,788	1,914	2,017	▶ -2%

تم حساب المنحنى بناء على متوسط عند الحالات خلال ثلاثة أسابيع سابقة 3 (لم يتم تضمين الاسبوع الحالي في حساب المنحنى بسبب عدم لكتمال البيانات)

منحتی مرتفع 🛦	غيير بمعدل %10+ ≤
منحتى مستأر ﴿	غيير بمعدل %to < +10 خيير بمعدل
منحنى منخفض 🔻	غيير بمحل %10- ≥
انقطاع في الارسال	عدد 0 حالة خلال 3 أساسع متثالبة

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

معذل الاماته بين الحالات 1 معدل الاماتة لكل 10,000 من السكان 2

¹ Case Fatality Rate ² Attack Rate (/10,000 population)

D. Laboratory



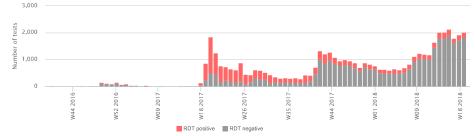


Figure 5 | Rapid Diagnostic Kit (RDT)



*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)

Positivity (30,9%; n = 1,115)

Coverage (24.7%; n = 3,604)

Governorate		Rapid Diagno	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	34,495	4469	129.6%	1059	23.7%	284	26.8%	9	3.2%	
Al Dhale'e الضالع	47,185	395	8.4%	136	34.4%	44	32.4%	3	6.8%	
Al Hudaydah الحديدة	160,931	7494	46.6%	1632	21.8%	549	33.6%	235	42.8%	
الجوف Al Jawf	16,178	1542	95.3%	924	59.9%	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 المحويث	65,407	3238	49.5%	1152	35.6%	177	15.4%	13	7.3%	
Amanat Al Asimah الملكة العاصمة	108,174	8406	77.7%	2623	31.2%	753	28.7%	192	25.5%	
عمران Amran	106,131	3816	36.0%	904	23.7%	173	19.1%	23	13.3%	
نمار Dhamar	108,096	6527	60.4%	600	9.2%	164	27.3%	23	14.0%	
حجة Hajjah	121,361	838	6.9%	205	24.5%	67	32.7%	14	20.9%	
lbb →	70,050	1372	19.6%	605	44.1%	123	20.3%	13	10.6%	
لحج Lahj	24,344	1160	47.7%	588	50.7%	44	7.5%	18	40.9%	
مارب 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%	
ریمهٔ Raymah	18,713	811	43.3%	434	53.5%	48	11.1%	5	10.4%	
صعدة Sa'ada	10,713	922	86.1%	752	81.6%	12	1.6%	0	0.0%	
صنعاء Sana'a	78,572	4313	54.9%	959	22.2%	334	34.8%	45	13.5%	
سيئون 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 Taizz	66,275	1980	29.9%	1084	54.7%	403	37.2%	314	77.9%	
اليمن Yemen	1,096,317	48,825	44.5%	14,564	29.8%	3,604	24.7%	1,115	30.9%	

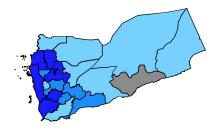
الغريطة (1 أ) عند حالات الاشتباد للمحافظات Map 1a | Number of cases by governorate (Jan 2017 - Apr 2017)



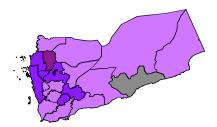
الخريطة (1 ب) معنل الإصابة للمحافظات **Map 1b** | Attack rate by governorate (Jan 2017 - Apr 2017)



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



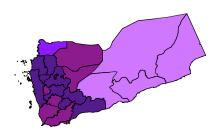
الخريطة (1 ب) معدل الاصابة للمحافظات Map 1d | Attack rate by governorate (Jan 2017 - Jun 2017)



الخريطة (ב أ) عند حالات الإشتباء للمحافظات **Map 1e** | Number of cases by governorate (Jan 2017 - present)



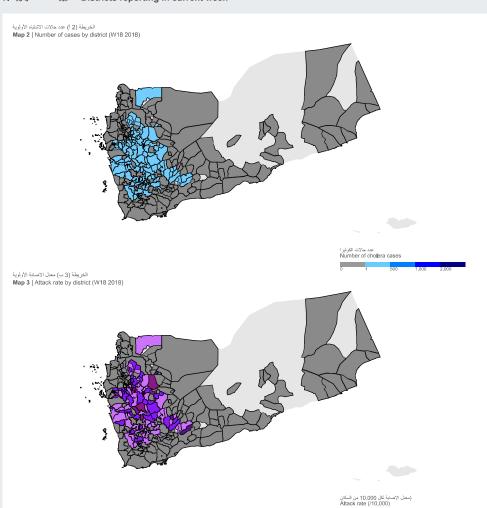
الخريطة (1 ب) معدل الإصبابة للمحلقظات Map 1f | Attack rate by governorate (Jan 2017 - present)







F. المديريات ذات الأولوية Districts reporting in current week



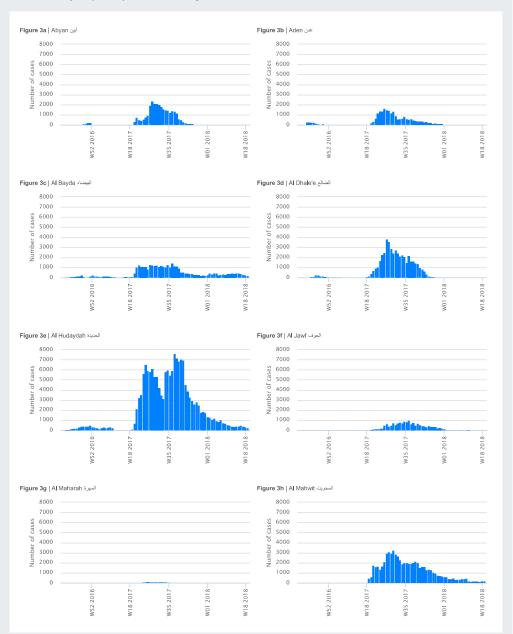
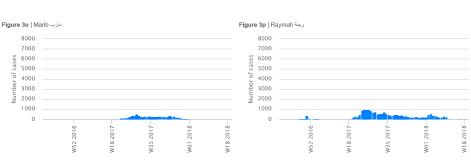
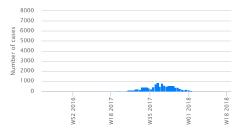


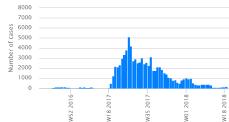
Figure 3i | Amanat Al Asimah أمانة العاصمة عمران Amran عمران 8000 7000 7000 6000 6000 Number of cases Number of cases 5000 5000 4000 4000 3000 3000 2000 2000 1000 1000 0 W52 2016-W52 2016-W35 2017-W35 2017-W18 2017 W01 2018 W18 2018 W18 2017 W01 2018 نمار Dhamar ا حجة Figure 3I | Hajjah 8000 8000 7000 7000 6000 Number of cases 6000 Number of cases 5000 5000 4000 4000 3000 3000 2000 2000 1000 1000 0 W18 2018-W52 2016 W18 2017-W35 2017-W01 2018 W18 2018 W52 2016 W18 2017 W35 2017-W01 2018 Figure 3m | Ibb -لحج Figure 3n | Lahj 8000 8000 7000 7000 6000 6000 Number of cases Number of cases 5000 5000 4000 4000 3000 3000 2000 2000 1000 1000 0 W18 2018-W18 2017-W35 2017-W01 2018-W18 2018-N35 2017-W01 2018-W52 2016 W52 2016 W18 2017 مارب Figure 3o | Marib ريمة Raymah ا Figure 3p



صعدة Sa'ada ا Figure 3q



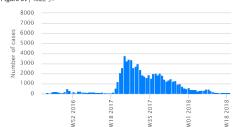
صنعاء Sana'a صنعاء



سيئون Say'on ا Figure 3s







تعز Taizz ا Figure 3v

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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 http://ye.ewars.ws/login

