

الاستجابة للكوليرا Cholera Response

برنامج الترصد الإلكتروني للأمراض

Electronic Disease Early Warning System (eDEWS)

النشرة الوبائية الأسبوعية

Weekly Epidemiological Bulletin

W1 2018 (Jan 01-Jan 07)

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Highlights

Cumulative figures

- The cumulative total from 27 April 2017 to 7 Jan 2018 is 1,029,717 suspected cholera cases and 2,241 associated deaths, (CFR 0.22%), 1094 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 16.8%
- The national attack rate is 373 per 10,000. The five governorates with the highest cumulative attack rates per 10,000 remain Amran (877), Al Mahwit (832), Al Dhale'e (644), Hajjah (504) and Sana'a (498).
- Children under 5 years old represent 28.6% of total suspected cases.
- In total, 26,568 rapid diagnostic tests (RDT) have been performed which represents 25.8% coverage.
- 2,662 cultures have been performed which represents 23% coverage.
- The last positive culture was on 19 Dec 2017 in Al-Sabeen district in Amanat Al-Asimah
- 241 districts are still reporting suspected cholera cases since last 3 weeks.
- 64 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 W51 2017-W1 2018 decrease or was stable in all governorates except (Sana'a governorate (+14%) .

Trends

- The weekly number of cases is decreasing for the 17 consecutive weeks.
- The weekly proportion of severe cases has significantly decreased representing now 10% of the admitted cases.

Week 1 2018

- 7,794 suspected cases and 3 associated deaths were reported
- 10 % are severe cases
- 628 RDTs were performed, 128 were positive
- No culture test was performed this week

A. ملخص المؤشرات Summary indicators

Cholera Response | Cumulative figures from 27/04/2017 to 7/1/2018

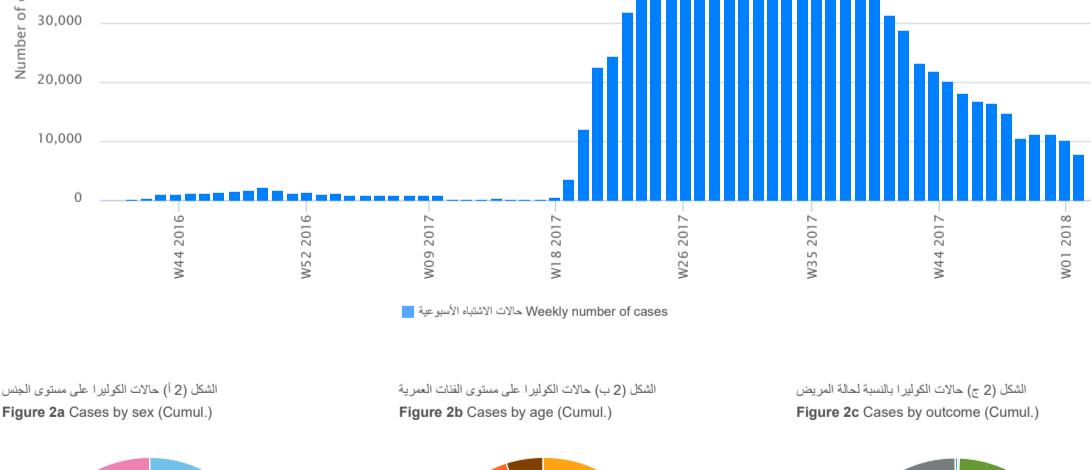
1,029,717 2,241 0.22% 96% 92%

حالات الاشتباه Suspected cases	الوفيات Associated deaths	معدل الاماته بين الحالات Case Fatality Rate	المحافظات المتاثرة بالوباء Governorates affected	المديريات المتاثرة بالوباء Districts affected
حالة اشتباه في الأسبوع الحالي 7,794 7,794 suspected cases in current week	حالة وفاة في الأسبوع الحالي 3 3 associated deaths in current week	(23 / 22) (22 / 23 governorates)	(333 / 305) (305 / 333 districts)	

B. المنحنى الوبائي Epidemic curve

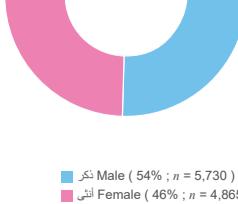
الشكل (1) المنحنى الوبائي على المستوى الوطني

Figure 1 | Epidemic curve (Country)



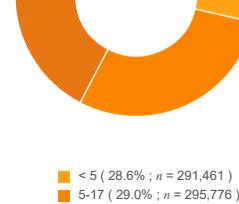
الشكل (2) (أ) حالات الكوليرا على مستوى الجنس

Figure 2a Cases by sex (Cumul.)



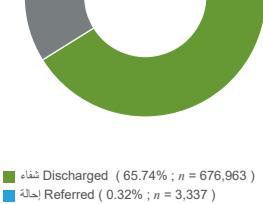
الشكل (2) (ب) حالات الكوليرا على مستوى الفئات العمرية

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

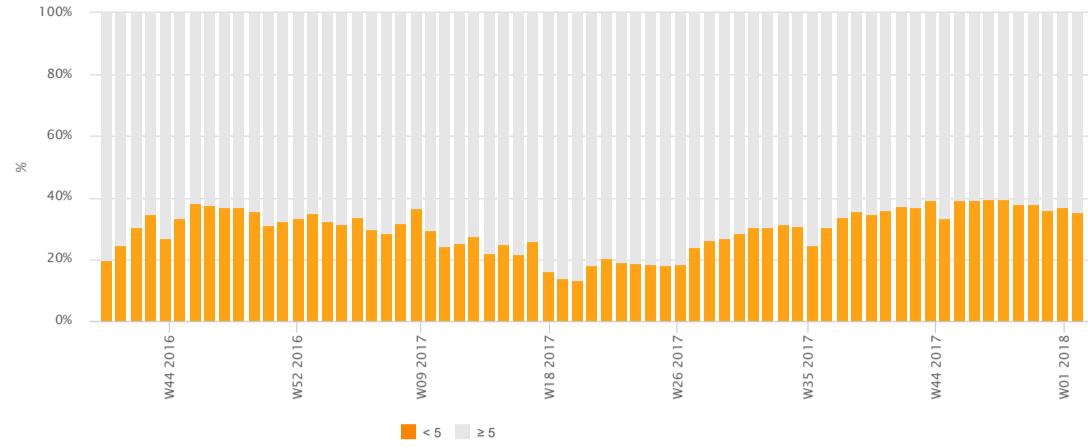
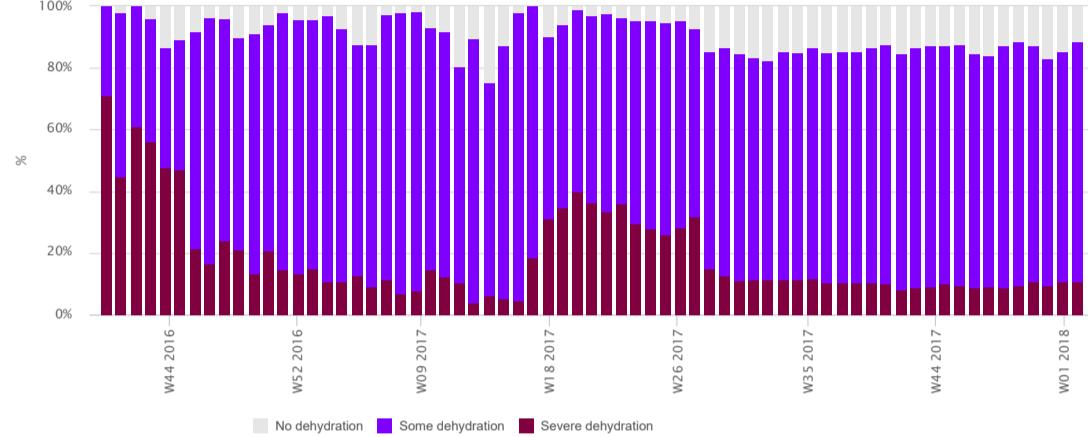


Figure 2e | Trend in proportion of cases by dehydration status



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

Table 1 | Summary of key cholera indicators

Table 1 | Summary of key cholera indicators by Governorate

Yemen اليمـن 1,029,717 2,241

¹معدل الامانة بين الحالات

معدل الإصابة لكل 10,000 من السكان²
حسب المنجد، بناء على، متوسط عدد الحالات خلال ثلاثة أسابيع ببلدية³

↑ +10% نمو نسبي

373.89 11,

¹ Case Fatality Rate

² Attack Rate (/10,000 population)
³ Trend based on average number of cases in previous 3 weeks

▲ ملخی مرتفع	$\geq +10\%$	غير بعدل
► ملخی مستقر	$> -10\% \text{ to } +10\%$	غير بعدل
▼ ملخی منخفض	$\leq -10\%$	غير بعدل

▲ Increased trend	$\geq +10\%$ change
► Stable trend	$> -10\% \text{ to } < +10\%$ change
▼ Decreased trend	$\leq -10\%$ change

D. Laboratory

Figure 4 | RDT results by week

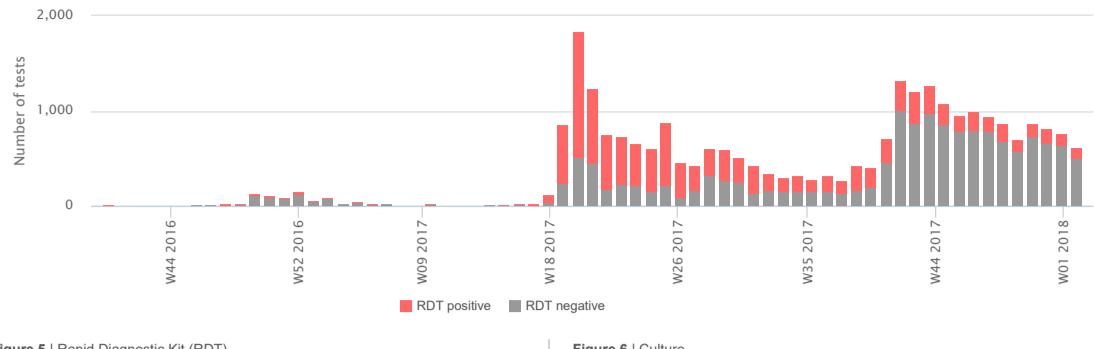


Figure 5 | Rapid Diagnostic Kit (RDT)

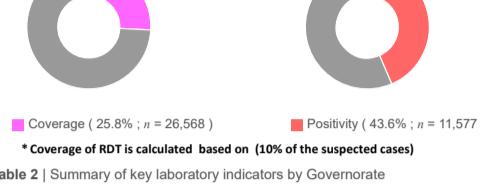


Figure 6 | Culture



Table 2 | Summary of key laboratory indicators by Governorate

Governorate	Rapid Diagnostic Kit (RDT)				Culture				
	Cases	Total tested	Coverage	Total +ve	+vity rate	Total tested	Coverage	Total +ve	+vity rate
Abyan ابين	28,241	238	8.4%	151	63.4%	39	25.8%	23	59.0%
Aden عدن	20,846	568	27.2%	358	63.0%	173	48.3%	118	68.2%
Al Bayda البيضاء	28,452	1729	60.8%	783	45.3%	194	24.8%	9	4.6%
Al Dhale'e الضالع	47,126	339	7.2%	122	36.0%	41	33.6%	3	7.3%
Al Hudaydah الحديدة	150,319	2727	18.1%	985	36.1%	392	39.8%	227	57.9%
Al Jawf الجوف	15,821	1286	81.3%	889	69.1%	48	5.4%	12	25.0%
Al Maharah المهرة	1,168	263	225.2%	118	44.9%	25	21.2%	14	56.0%
Al Mahwit المحويت	60,805	1800	29.6%	912	50.7%	54	5.9%	12	22.2%
Amanat Al Asimah العاصمة	98,975	4732	47.8%	2041	43.1%	488	23.9%	187	38.3%
Amran عمران	101,793	1804	17.7%	626	34.7%	89	14.2%	23	25.8%
Dhamar ذمار	98,861	2366	23.9%	347	14.7%	109	31.4%	23	21.1%
Hajjah حجة	117,646	758	6.4%	174	23.0%	45	25.9%	14	31.1%
Ibb إب	64,128	656	10.2%	434	66.2%	98	22.6%	13	13.3%
Lahj لحج	24,334	1154	47.4%	582	50.4%	38	6.5%	12	31.6%
Marib مارب	7,285	192	26.4%	124	64.6%	2	1.6%	0	0.0%
Moklla المكلا	568	105	184.9%	80	76.2%	55	68.8%	32	58.2%
Raymah ريمة	15,924	580	36.4%	384	66.2%	32	8.3%	5	15.6%
Sa'ada صعدة	10,702	919	85.9%	752	81.8%	12	1.6%	0	0.0%
Sana'a صنعاء	73,266	2882	39.3%	713	24.7%	264	37.0%	44	16.7%
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	62,036	1322	21.3%	940	71.1%	402	42.8%	314	78.1%
Yemen اليمن	1,029,717	26,568	25.8%	11,577	43.6%	2,662	23.0%	1,094	41.1%

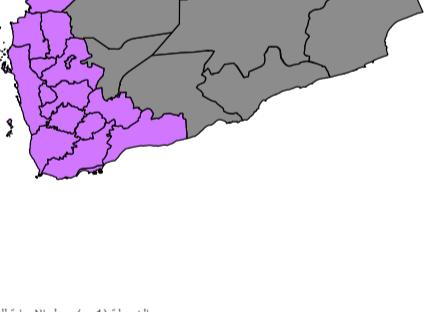
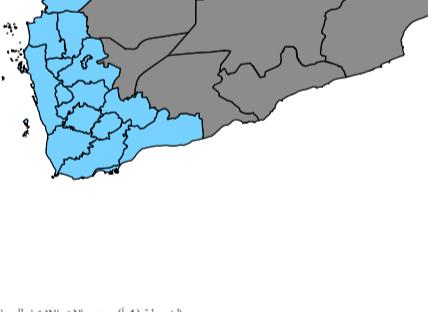
E. Geographic distribution over time

الخريطة (ا) عدد حالات الاشتباه للمحاصيل

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

الخريطة (ب) معدل الاصابة للمحاصيل

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

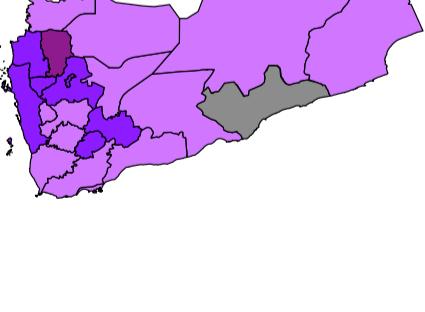
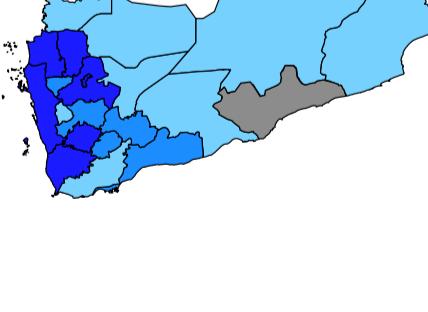


الخريطة (ا) عدد حالات الاشتباه للمحاصيل

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

الخريطة (ب) معدل الاصابة للمحاصيل

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

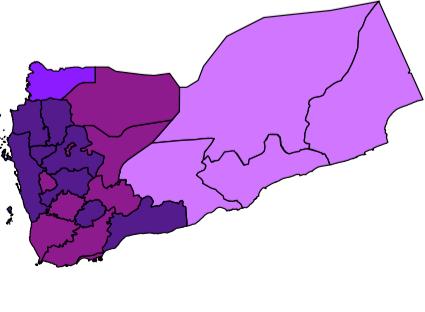
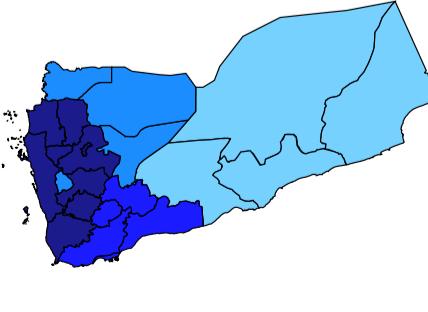


الخريطة (ا) عدد حالات الاشتباه للمحاصيل

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

الخريطة (ب) معدل الاصابة للمحاصيل

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



عدد حالات الكوليرا

Number of cholera cases



(معدل) الاصابة لكل 10,000 من السكان

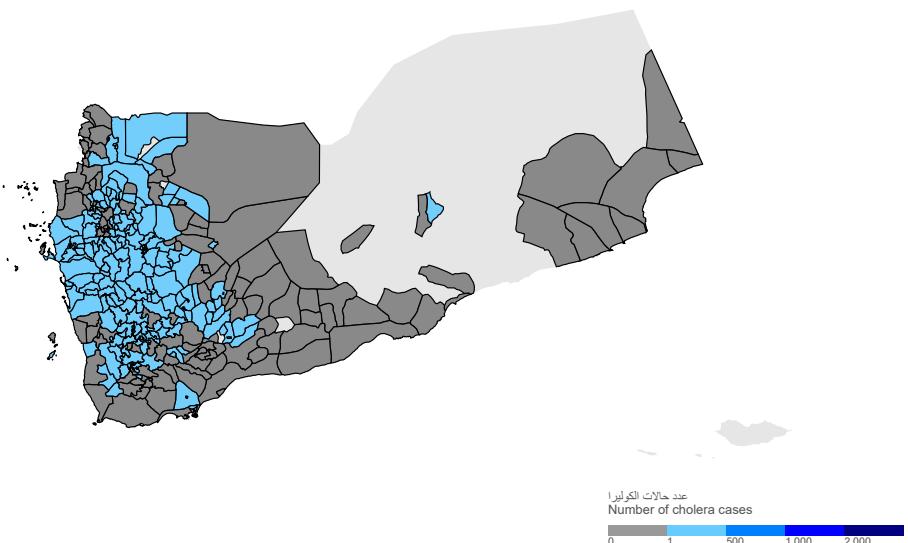
Attack rate (/10,000)



F. المديريات ذات الأولوية Districts reporting in current week

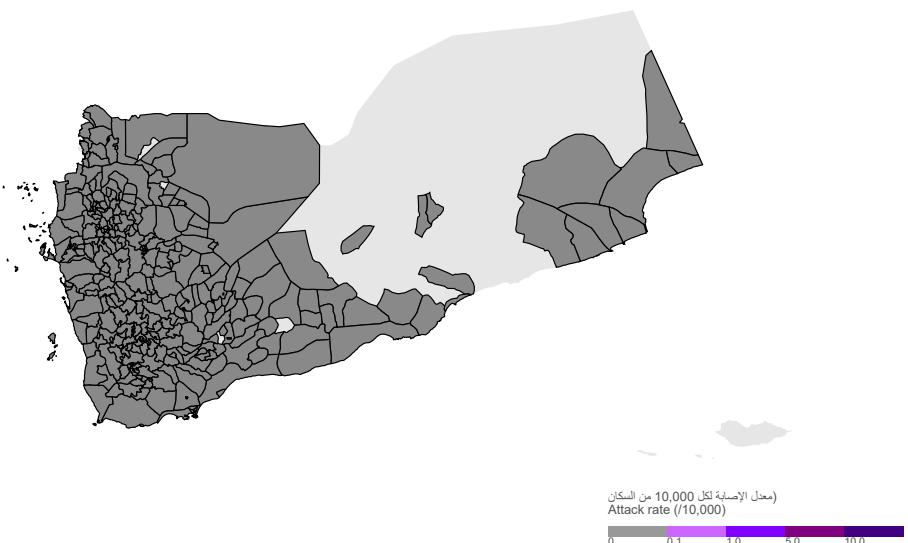
الخريطة (2) عدد حالات الإشتباه الأولوية

Map 2 | Number of cases by district (W1 2018)



الخريطة (3) (ب) معدل الإصابة الأولوية

Map 3 | Attack rate by district (W1 2018)



G. المنحنى الوبائي حسب المحافظة Epidemic curves by Governorate

Figure 3a | Abyan أبين

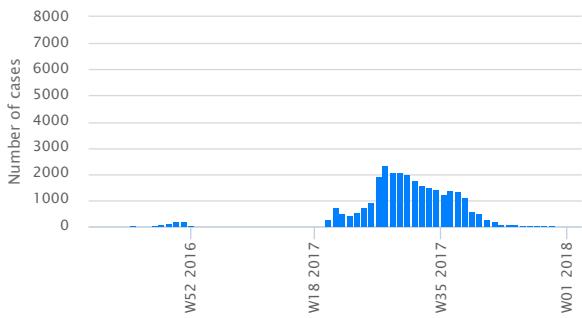


Figure 3c | Al Bayda البيضاء

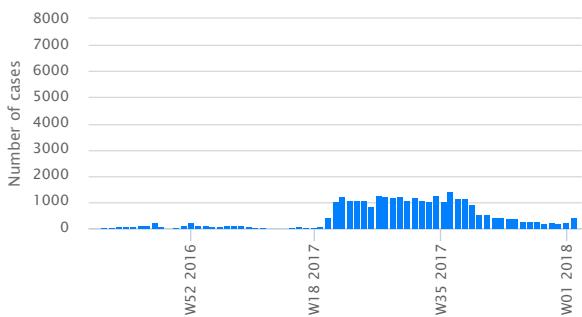


Figure 3e | Al Hudaydah الجديدة

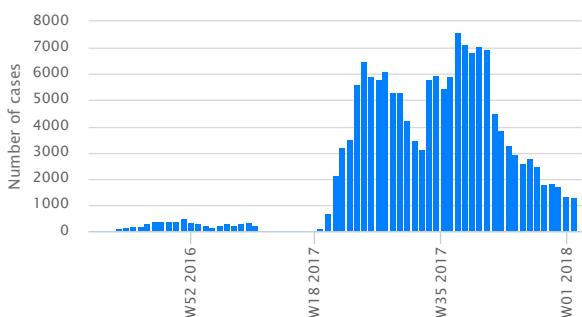


Figure 3g | Al Maharah المهرة

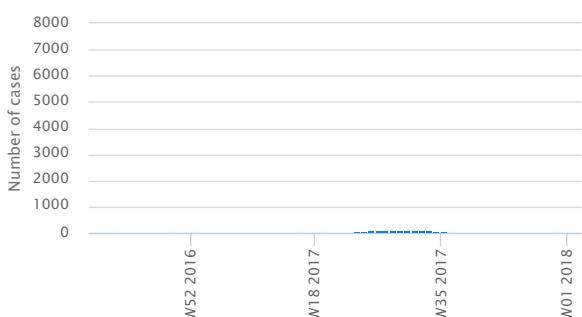


Figure 3b | Aden عدن

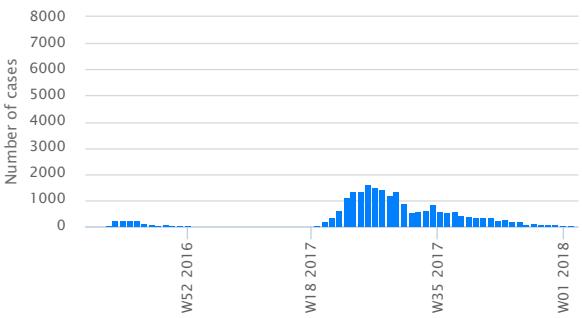


Figure 3d | Al Dhale'e الضالع

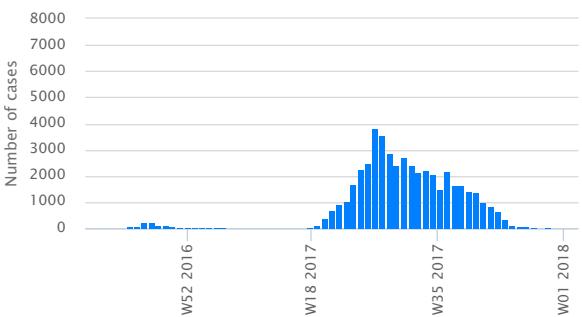


Figure 3f | Al Jawf الجوف

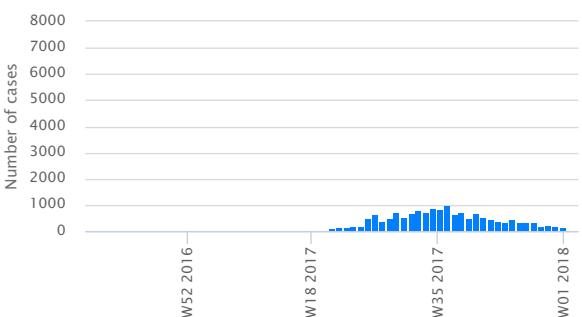


Figure 3h | Al Mahwit المحويت

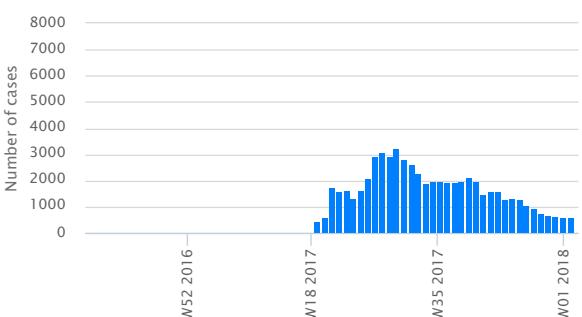


Figure 3i | Amanat Al Asimah أمانة العاصمة

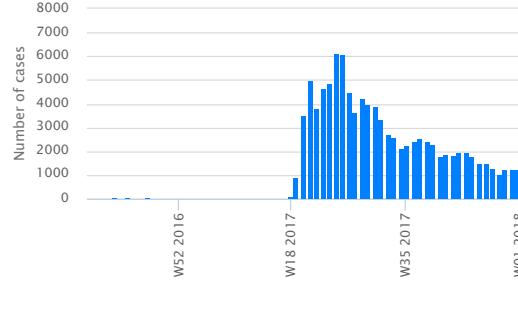


Figure 3k | Dhamar ثمار

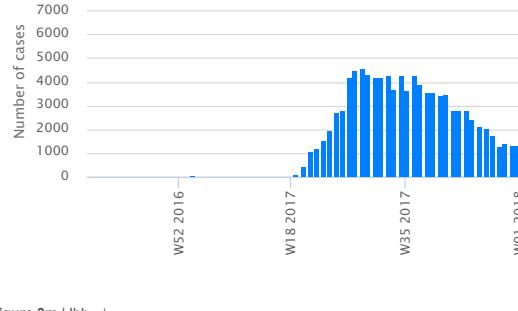


Figure 3m | Ibb إب

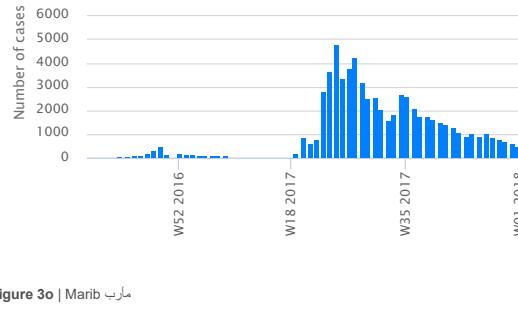


Figure 3o | Marib مارب

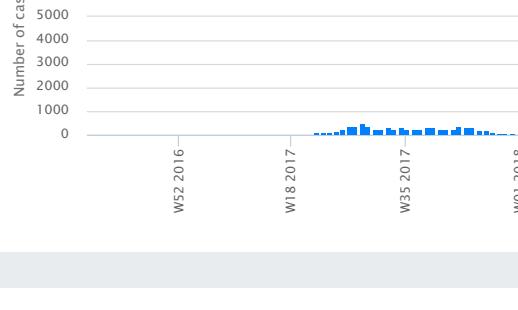


Figure 3q | Sa'ada سعده

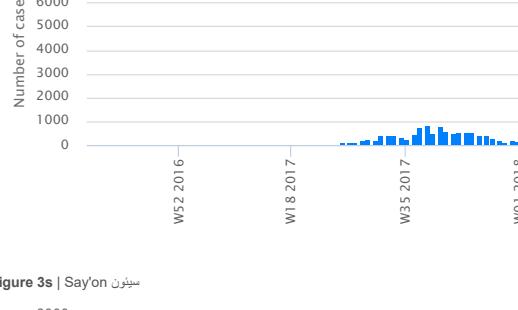


Figure 3s | Say'on سيون

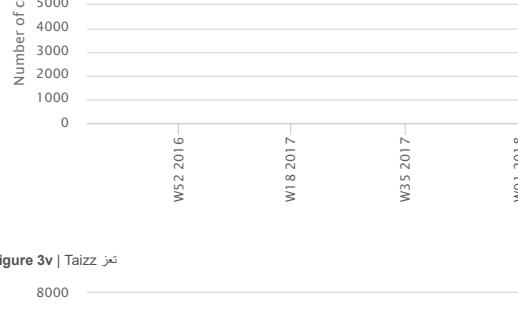


Figure 3v | Taizz تعز

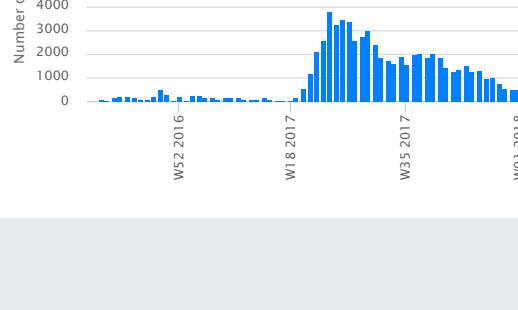


Figure 3j | Amran عمران

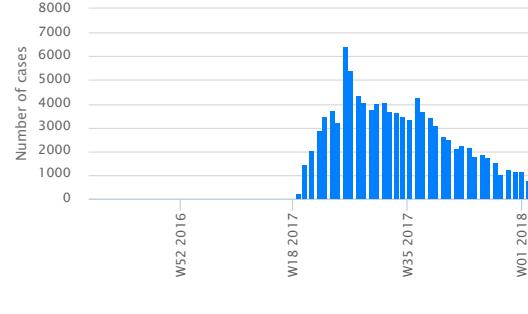


Figure 3l | Hajjah حجه

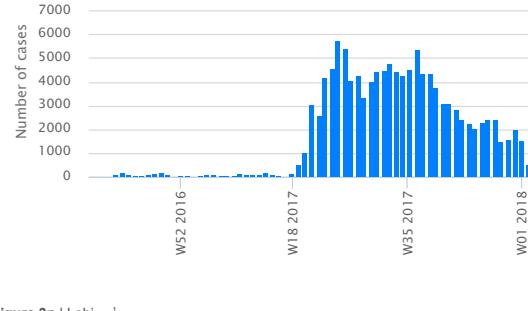


Figure 3n | Lahj لحج

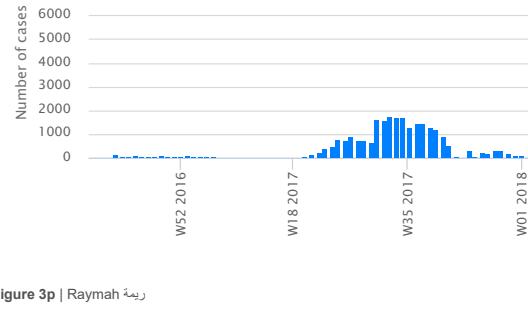


Figure 3p | Raymah ريمه

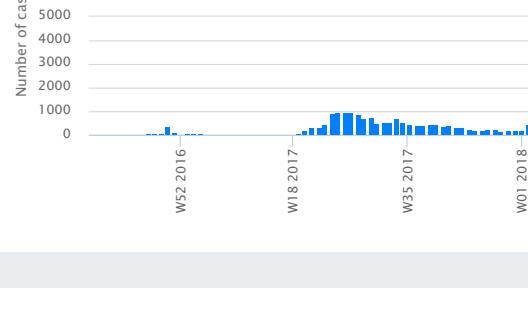


Figure 3r | Sana'a صنعاء

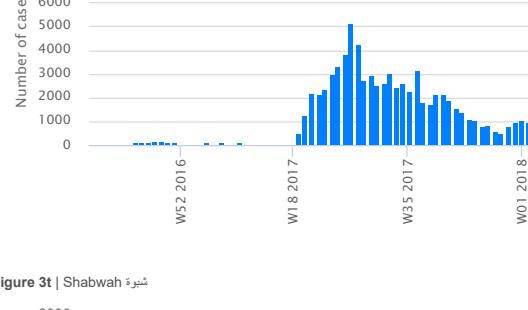
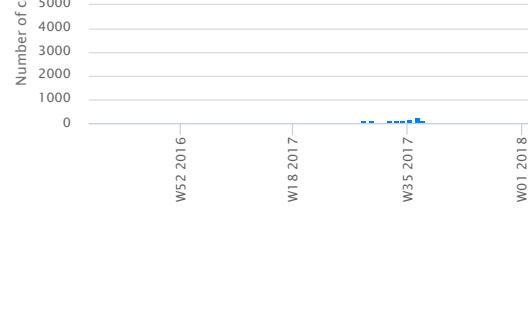


Figure 3t | Shabwah شبوهه



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