

S2 Table. Summary of reported outbreaks and sentinel cases for dengue virus in the Middle East and North Africa.

Country, Year	City or Governorate	Description	Ref.
Dengue virus			
Djibouti			
1991-92	Djibouti City	12,000 estimated cases; DEN-2	[1, 2]
2010-11	Djibouti City	4 cases in foreign military personnel; DEN-1,2,3	[3]
Egypt			
1799	Cairo, Alexandria	unconfirmed outbreak	[4]
1871	Port Said	unconfirmed outbreak	[4]
1880	Cairo	unconfirmed outbreak	[4]
1889	Nile Delta	unconfirmed outbreak	[4]
1906	Port Said, Suez Canal	unconfirmed outbreak	[5]
1927	Countrywide	unconfirmed outbreak	[5, 6]
1937	n/a	n/a	[4]
2010	Port Ghalib	2 cases in travelers returning from Egypt	[4]
2015	Assiut	253 cases; DEN-1	[7]
Iraq			
1944	n/s	unconfirmed outbreak based on clinical diagnosis	[8, 9]
Lebanon			
1945-46	Beirut	>100,000 suspected cases	[10]
Pakistan			
1994-1995	Karachi	first confirmed outbreak of DENV in Pakistan; 145 reported cases; DEN-1,2	[11-16]
2003	n/a	DEN-1,2	[16, 17]
2005-06	Karachi	3,640 cases; DEN-3	[13, 14, 16, 18]
2006	Multiple	1,931 confirmed cases; DEN-2,3	[16, 19]
2007	Multiple	1,226 confirmed cases; DEN-2,3	[16, 19]
2008	Multiple	2,469 confirmed cases; DEN-2,3,4	[19, 20]
2009	Lahore, multiple	1,085 confirmed cases; DEN-2,3,4	[19]
2010	Multiple	11,024 confirmed cases	[19] [21]
2011	Punjab, multiple	21,580 confirmed cases; DEN-2	[19, 22]
2013	Khyber Pakhtunkhwa	9,024 reported cases	[23, 24]
	Sindh	>6,000 reported cases	[23]
2014	Lahore	1,799 reported cases	[25]
Saudi Arabia			
1994	Jeddah	First detection of autochthonous transmission of DENV in Saudi Arabia;	[15, 26]
	Jeddah	469 cases; DEN-2	[15]
		673 suspected cases, 289 confirmed; DEN-1,2	[16, 27]
1995	n/a	136 suspected cases, 6 confirmed; DEN-1,2	[15, 27]
1996	n/a	57 suspected cases, 2 confirmed	[15]
1997	n/a	62 suspected cases, 15 confirmed; DEN-3	[15, 27]
1998	n/a	31 suspected cases, 0 confirmed	[15]
1999	n/a	26 suspected cases, 3 confirmed	[15]
2000	n/a	17 suspected cases, 0 confirmed	[15]
2001		7 suspected cases, 0 confirmed	[15]
2004	Jeddah, Makkah	DEN-3	[16]
2005	n/a	32 confirmed cases; DEN-3	[15, 16]
2006	n/a	DEN-1	
2006	Jeddah and Makkah	>1,269 cases; DEN-1	[15, 16, 28]
2007	Jeddah and Makkah	200 estimated cases; DEN-3	[16, 28]

2008	Jeddah and Makkah	775 estimated cases; DEN-3	[15, 16, 28]
2009	Jeddah and Makkah	1,500 estimated cases	[28]
2010	Jeddah and Makkah	2,200 estimated cases	[28]
2011	Jeddah and Makkah	2,376 estimated cases	[28]
2012	Jeddah and Makkah	800 estimated cases	[28]
2013	Jeddah and Makkah	4,411 estimated cases	[28]
2006-08	Jeddah	n/a	[29]
2015	Mecca	13 suspected cases	[30]
Somalia			
1941	Mogadishu	72 reported cases	[31]
1982-1983	Mogadishu	DEN-2	[16, 32, 33]
1985-87	Hargeysa	DEN-2	[33, 34]
1992-1993	Mogadishu	41 reported cases; DEN-1,2,3	[16, 35, 36]
2005	n/s	n/s	[37]
2011	Mogadishu	DEN-1,2,3	[38, 39]
Sudan			
1984-86	Port Sudan	18 reported cases; DEN-1,2,3	[32, 40-42]
1989	Northern Province	DEN-2	[43]
2003	Port Sudan	366 reported cases	[41, 43]
2004	Multiple	127 reported cases; DEN-1,2	[16, 41]
2005	Multiple	233 reported cases; DEN-1,2	[16, 41]
2006	Multiple	7 reported cases; DEN-1,2	[16, 41]
2008	Multiple, Port Sudan	449 reported cases; DEN-1,2	[16, 41, 44, 45]
2009	Multiple, Port Sudan	447 reported cases	[41, 45]
2010	Port Sudan, multiple	4,008 reported cases; DEN-2	[41]
2011	Multiple	257 reported cases	[41]
2012	Multiple	59 reported cases	[41]
2014	Red Sea State	738 reported cases	[41]
2015	Darfur, Kassala, Kordofan	557 suspected cases	[46]
Yemen			
1983	Dalah	1 case in traveler returning from Yemen	[47]
1994	Shabwah, Al Hudaydah, Mukkala	DEN-3	[16, 48]
2000	Al Hudaydah	653 suspected cases; DEN-2	[2, 16, 48]
2001-2003	Shabwah	DEN-2	[2, 48]
2004	Al Hudaydah, Shabwah	45 suspected cases; DEN-2	[2, 48]
2005-2006	Shabwah, Hadramout, Al Hudaydah	403 suspected cases; DEN-2,3	[2, 48, 49]
2008	Shabwah, Abyan, Taiz, Mukalla	1,001 reported cases; DEN-3	[2, 16, 49]
2009	n/s	900 cases	[49]
2010	Multiple, Hadramout	5,534 suspected cases; DEN-2,3	[49, 50]
2015	Shabwah, Hadramout, Abyan, Maifaa, Eitg, Taiz, Lahj	>20,000 estimated cases	[51-54]

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