



## Current Infectious Disease Outbreaks for New York City Providers November 15, 2024

Remember to take travel histories for consideration of diseases not endemic to New York City (NYC). An asterisk (\*) near the disease name denotes a disease that has been newly added since the previous outbreak list was posted.

Disease	Last Update	Cases	Confirmed	Deaths	Notes “-“ = Not specified
<b>New York City</b>					
<b>Mycoplasma pneumoniae</b>	Oct 30	-	-	-	The New Jersey Department of Health and CDC reported an increase in cases of mycoplasma pneumoniae infections diagnosed in emergency departments. <a href="#">Reference</a>
<b>United States</b>					
<b><i>E. coli</i> O157:H7</b>	Oct 30	90	90	1	As of October 30, 2024, a total of 90 cases of <i>E. coli</i> O157:H7 infections, including 27 hospitalizations, two cases of hemolytic uremic syndrome, and one death, have been reported in 13 states in the Midwest, Mountain, and Pacific Northwest regions. All cases reported eating McDonald’s Quarter Pounder burgers. Taylor Farms has initiated a voluntary recall of onions used to prepare the burgers. <a href="#">Reference</a>
<b>Influenza A (H5N1)</b>	Oct 18	25	25	0	In 2024 as of October 18, a total of 25 human infections with influenza 1 (H5N1) have been reported. Infections have been mild, including conjunctivitis. Fifteen cases had contact with dairy cattle and 9 with chickens. One case had unknown exposure. <a href="#">Reference</a>
<b>Oropouche virus</b>	Oct 22	91	91	0	In 2024 as of October 22, a total of 91 imported cases of Oropouche virus cases have been reported by CDC in five states, including two with neuroinvasive disease. All have been in persons who traveled to Cuba. Oropouche virus has been linked to fetal loss and birth defects, and it has been associated

					with Guillian Barré syndrome. It is difficult to distinguish from dengue, Zika, and chikungunya infection, and it is circulating in areas where dengue is endemic. Clinicians have been advised to rule out dengue infection before pursuing an Oropouche diagnosis. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
<b>Parvovirus B19</b>	Aug 13	–	–	–	On August 13, 2024, CDC reported evidence of increased infections with human parvovirus B19 — as evidenced by increasing seropositivity for parvovirus B19 in clinical and pooled specimens — and reported clusters of disease in pregnant women and patients with sickle cell disease. Patients at greatest risk of complications from infection with this virus are susceptible pregnant people (fetal anemia and fetal loss), patients with immunocompromise (HIV, hematopoietic malignancies, chemotherapy), sickle cell disease, thalassemia, and organ transplant. <a href="#">Reference</a>
<b>Listeriosis</b>	Sep 25	59	59	10	In 2024 as of September 25, a total of 59 listeriosis cases have been reported in 19 U.S. jurisdictions, including eight in NYC; 59 were hospitalized and ten patients have died. Boar’s Head Strassburger Brand Liverwurst made in Virginia is the implicated product, and it and other meats from the same plant have been recalled voluntarily by the manufacturer. <a href="#">Reference</a>
<b>Eastern Equine Encephalitis (EEE)</b>	Oct 10	16	16	4	In 2024 as of October 10, a total of 16 human cases of eastern equine encephalitis (EEE) have been diagnosed in <b>Massachusetts, Vermont, New Hampshire</b> and <b>New York</b> . Equine deaths have been found in New York, Massachusetts, Alabama, Florida, Michigan, Virginia, and Arizona. Mosquito pools have been positive for EEE in northeastern/New England and southern states. <a href="#">Reference</a>
<b>Measles</b>	Oct 24	271	271	0	In 2024 as of August 22, a total of 227 measles cases, including 108 hospitalizations, and 13 outbreaks have been reported from 32 jurisdictions, including NYC. Forty-one percent, 31%, and 28% have been aged <5 years, 5 to 19 years, and ≥20 years, respectively. Eighty-nine percent have been unvaccinated or of unknown vaccination status. <a href="#">Reference</a>

Dengue	Oct 31	6,819	6,819	-	In 2024 as of October 31, the continental United States and territories have reported 6,819 cases of dengue; 2,380 are associated with travel to affected areas (Caribbean, Central America, South America). Of the 4,439 locally-acquired cases, the majority are from Puerto Rico followed by the US Virgin Islands, with a smaller number from Florida and CA. <a href="#">Reference</a>
<b>Caribbean, Central America, and South America</b>					
Dengue	Oct 19	>12,260,000	>6,540,000	7,344	In 2024, PAHO reports exponential increase in dengue cases in Region of Americas, where 80% of global cases are reported, including <b>Argentina</b> (578,924), <b>Barbados</b> (1,308), <b>Belize</b> (833), <b>Bolivia</b> (43,440), <b>Brazil</b> (9,791,865), <b>Chile</b> (157), <b>Colombia</b> (286,285), <b>Costa Rica</b> (26,743), <b>Cuba</b> (985), <b>Dominican Republic</b> (9,692), <b>Ecuador</b> (54,494), <b>El Salvador</b> (7,243), <b>French Guiana</b> (16,141), <b>Grenada</b> (737), <b>Guadeloupe</b> (5,285), <b>Guatemala</b> (118,001), <b>Guyana</b> (31,238), <b>Honduras</b> (162,092), <b>Saint Martin</b> (571), <b>Jamaica</b> (1,768), <b>Martinique</b> (6,264), <b>Mexico</b> (414,396), <b>Nicaragua</b> (55,542), <b>Panama</b> (27,048), <b>Paraguay</b> (286,877), <b>Peru</b> (268,114), <b>Puerto Rico</b> (3,639), <b>Saint Barthélemy</b> (151), <b>Suriname</b> (95), <b>Trinidad and Tobago</b> (1,802), <b>Uruguay</b> (701), <b>US Virgin Islands</b> (150). <a href="#">Reference</a>
Measles	Oct 4	>15,500	108	-	In 2024 as of October 4, suspected measles cases have been reported in <b>Argentina</b> (398), <b>Bolivia</b> (349), <b>Brazil</b> (1,909), <b>Chile</b> (159), <b>Columbia</b> (1,201), <b>Costa Rica</b> (71), <b>Cuba</b> (1,625), <b>Dominican Republic</b> (206), <b>Ecuador</b> (666), <b>El Salvador</b> (1,299), <b>Guatemala</b> (206), <b>Haiti</b> (99), <b>Honduras</b> (644), <b>Mexico</b> (3,106), <b>Nicaragua</b> (113), <b>Panama</b> (113), <b>Paraguay</b> (903), <b>Peru</b> (486), and <b>Venezuela</b> (1,833). Laboratory confirmation has been infrequent. Decreased childhood vaccinations during the COVID-19 pandemic is thought to have contributed to increased cases of measles. <a href="#">Reference</a>
Chikungunya	Oct 19	>400,000	>400,000	162	In 2024 as of October 19, chikungunya has been reported in <b>Brazil</b> (399,980, <b>Paraguay</b> (2,744), <b>Argentina</b> (768), <b>Bolivia</b> (418), <b>Peru</b>

					(83), and <b>Colombia</b> (61) and, to a lesser extent, in other Central and South American countries. <a href="#">Reference</a>
<b>Oropouche Virus</b>	Oct 15	8,078	8,078	–	In 2024 as of October 15, a total of 7,688 cases of oropouche virus (OROV) have been reported in <b>Brazil</b> (8,258), <b>Bolivia</b> (356), <b>Columbia</b> (74), <b>Peru</b> (936), <b>Ecuador</b> , <b>French Guiana</b> , <b>Trinidad</b> , and <b>Tobago</b> . Most recently, it was detected in <b>Cuba</b> (555). Clinically, it presents similarly to dengue, with high fever, headache with photophobia, myalgia, arthralgia, and, in some cases, rash. It is transmitted by the midge ( <i>Culicoides paraensis</i> ) and <i>Culex quinquefasciatus</i> mosquito. Fetal loss, birth defects and Guillian Barré syndrome have been reported after infection with OROV. <a href="#">Reference</a>
<b>Zika</b>	Oct 12	34,528	1,801	0	It is likely that Zika virus is circulating in the Caribbean, Central America, and South America. However, official reporting to PAHO has been limited. In 2024 as of October 12, Zika has been reported in <b>Brazil</b> (39,133), <b>Colombia</b> (106), and <b>Bolivia</b> (220). Central American countries have reported only dozens of Zika cases. <a href="#">Reference</a>
<b>Argentina</b>					
<b>Argentine Hemorrhagic Fever</b>	Jul 2	12	12	2	So far in 2024, a total of 12 cases of Argentine hemorrhagic fever (AHF), caused by Junin virus, have been reported in districts of <b>San Nicolás</b> and <b>Pergamino</b> . <a href="#">Reference</a>
<b>Bolivia</b>					
<b>Oropouche virus</b>	Oct 5	356	356	0	In 2024 as as October 5, a total of 356 Oropouche virus infections have been reported in three departments: <b>La Paz</b> , <b>Beni</b> , and <b>Pando</b> . <a href="#">Reference</a>
<b>Brazil</b>					
<b>Dengue</b>	Oct 19	9,791,865	5,618,987	5,645	There has been a surge in dengue cases in Brazil in 2024. As of October 19, a total of 9,791,865 dengue cases have been reported. Public health emergencies have been declared in <b>Acre</b> , <b>Minas Gerais</b> , <b>Goiás</b> , and the <b>Federal District</b> . Cases in Brazil in 2024 already have exceeded all cases in 2023. <a href="#">Reference</a>

<b>Oropouche Virus</b>	Oct 5	8,258	8,258	2	In 2024 as of October 5, a total of 8,258 cases of Oropouche virus (OROV) infection have been confirmed in Brazil. Most of the cases detected were in the northern states of Brazil. The Amazon region is considered endemic and accounts for 70% of the cases, but autochthonous transmission also has been identified in these states: <b>Bahia, Espírito Santo, Piauí, Santa Catarina, Pernambuco, Minas Gerais, Rio de Janeiro, Ceará, Alagoras, Sergipe, Maranhão, Paraíba, and Mato Grosso</b> . PAHO recommends considering OROV infection when dengue fever is suspected in areas where OROV is circulating. OROV has been associated with fetal loss, birth defects, and Guillian Barré syndrome. <a href="#">Reference</a>
<b>Cuba</b>					
Oropouche virus	Sep 28	555	555	0	In 2024 as of September 28, a total of 555 infections with Oropouche virus have been reported in Cuba. The provinces of <b>Havana (170), Santiago de Cuba (74), Pinar del Rio (41), and Cienfuegos (36)</b> have accounted for 58% of confirmed cases. Guillian Barré syndrome has been diagnosed in three patients. <a href="#">Reference</a>
<b>Peru</b>					
Oropouche virus	Oct 5	936	936	0	In 2024 as of October 5, a total of 936 Oropouche infections have been reported by Peru. The following departments have reported cases: <b>Loreto (466), Madre de Dios (312), Ucayali (138), Huanuco (15), Junin (2), Tumbes (1), San Martin (1), and Puno (1)</b> . <a href="#">Reference</a>
<b>Europe</b>					
<b>Measles</b>	Oct 9	>48,000	–	–	In 2024 as of October 9, a total of >48,000 measles cases have been reported in Europe. Most cases were reported from <b>Romania (19,785), Russia (14,751), United Kingdom (2,616), and Bosnia and Herzegovina (7,228)</b> . Cases also have been reported in <b>Austria (504), Bulgaria (26), Belgium (275), Czechia (33), Germany (698), Hungary (29), France (300), Ireland (135), Italy (864), Netherlands (163), Norway (11), Poland (262), Serbia (255), Spain (181), Sweden (37), and Switzerland (99)</b> . <a href="#">Reference</a>

<b>West Nile Virus</b>	Oct 9	1,202	1,202	-	In 2024 as of October 9, a total of 1,202 cases of West Nile virus (WNV) infection has been reported in Europe. Most WNV infections have been reported by <b>Greece, Italy, Spain, Albania, Austria, Croatia, Hungary, Serbia, France, Turkey, and Romania</b> . The transmission peak was in August and September. <a href="#">Reference</a>
<b>France</b>					
<b>Dengue</b>	Oct 23	82	82	0	In 2024 as of October 23, France has reported 82 autochthonous dengue cases in the following departments: <b>Alpes-Maritimes, Drôme, Pyrénées-Orientales, Lozère, Hérault, Vaucluse, and Var</b> . Italy and Spain also have reported autochthonous dengue cases in 2024. <a href="#">Reference</a>
<b>Italy</b>					
<b>Dengue</b>	Oct 24	200	200	0	In 2024 as of October 24, Italy has reported 200 locally-acquired cases of dengue. Cases have been reported in the following regions: <b>Marche, Emilia Romagna, Lombardy, Abruzzo, Tuscany, and Veneto</b> . <a href="#">Reference</a>
<b>Romania</b>					
<b>Measles</b>	Aug 4	19,785	15,341	18	In 2024 as of August 4, a total of 19,785 measles cases were reported in Romania, including 18 deaths. The cases have been reported in <b>all 41 counties</b> and the <b>Municipality of Bucharest</b> . <a href="#">Reference</a>
<b>Russia</b>					
<b>Measles</b>	Sep 16	14,751	-	-	In 2024 as of September 16, the Russian Federation has reported 14,751 measles cases. <a href="#">Reference</a>

Spain					
Crimean-Congo Hemorrhagic Fever (CCHF)	Jul 21	2	2	1	Two cases of CCHF have been reported in 2024, the most recent on July 21. The first patient was infected in <b>Toledo Province</b> close to <b>Cáceres Province</b> , and the second in <b>Arribes del Duero National Park</b> near Portugal, both with histories of tick bites. On August 10, the first case of CCHF was reported in <b>Portugal</b> in the district of <b>Bragança</b> . <a href="#">Reference</a>
Turkey					
Crimean-Congo Hemorrhagic Fever (CCHF)	Jun 26	31	31	-	In 2024 as of June 26, a total of 31 CCHF cases have been reported in Turkey's <b>Tokat State</b> , which is in Anatolia, where CCHF is endemic. <a href="#">Reference</a>
United Kingdom					
Measles	Sep 26	2,616	2,616	0	In 2024 as of July 22, a total of 2,562 measles cases were reported in England, 20 in Northern Ireland and 17 in Scotland and Wales. <a href="#">Reference</a>
Arabian Peninsula and Middle East					
Measles	Sep 16	49,439	–	–	In 2024 as of September 16, a total of 49,439 measles cases have been reported in this region. The only countries reporting to WHO were <b>Iraq</b> (30,889), <b>Yemen</b> (17,730), and the <b>United Arab Emirates</b> (830). <a href="#">Reference</a>
Iran					
Dengue	Oct 12	226	226	–	In 2024 as of October 12, a total of 226 dengue cases have been reported in Iran. Most cases are in the southeast regions close to Afghanistan and Pakistan. Dengue is considered an emerging disease in Iran. <a href="#">Reference</a>
Iraq					
Crimean-Congo Hemorrhagic Fever (CCHF)	Sep 13	185	-	. 26	In 2024 as of September 13, a total of 185 cases of CCHF have been reported in Iraq. Infections have been diagnosed in <b>Dhi Qar</b> governorate, <b>Nineveh</b> , <b>Basra</b> , <b>Wasit</b> , <b>Babil</b> , <b>Maysan</b> , <b>Erbil</b> , <b>Diyala</b> , <b>Kirkuk</b> , <b>Dohuk</b> , <b>Al-Muthannaand</b> , <b>Karbala</b> , <b>Al-Diwaniyah</b> , <b>Al-Anbar</b> , <b>Sulaymaniyah</b> , <b>Salah al-Din</b> , <b>Al-Najaf</b> , and <b>Baghdad</b> . <a href="#">Reference</a>

Palestine					
Polio (cVDPV2)	Aug 22	1	1	–	On August 22, 2024, health authorities in <b>Gaza</b> reported a case of polio (cVDPV2) in a 10-month-old child after a July 23 announcement that six environmental samples collected in Gaza tested positive for cVDPV2. The strain is similar to one that circulated in Egypt in 2023. Vaccination have been ongoing and hampered by the ongoing military conflict there. There were no cases of polio (cVDPV2) in Gaza in 2023. <a href="#">Reference</a>
Saudia Arabia					
MERS-CoA	Oct 1	5	5	4	In 2024 as of October 1, there have been five MERS-CoA cases; three in <b>Riyadh</b> and one in <b>Mecca</b> , and one in the <b>Eastern Province</b> . Four have died. There have been few cases in Saudi Arabia since 2020. <a href="#">Reference</a>
Syria					
Leishmaniasis	Jun 25	>1,000	-	-	Health care providers report the diagnosis of >1,000 cases of leishmaniasis recently in the cities of <b>Al-Hasakah, Amuda, Al-Qahtaniyah, Tal Tamr, Al-Shaddadi</b> in the <b>Al-Hasakah Governorate</b> . <a href="#">Reference</a>
Yemen					
Leishmaniasis	Dec 31, 2023	15,000	-	-	WHO reported that approximately 15,000 cutaneous leishmaniasis occurred in Yemen in 2023. The disease is endemic in different parts of Yemen, and particularly in the country's northwestern, southwestern, and central highland areas. Public health activities have been interrupted by years of armed conflict in the country. <a href="#">Reference</a>
Polio (cVDPV2)	May 19	33	33	0	In 2024 as of May 19, there have been 33 cases of polio (cVDPV2) reported in Yemen, including in <b>Alhudaidah</b> and <b>Saadah</b> . In 2023, there were 8 cases of polio (cVDPV2) reported in Yemen. <a href="#">Reference</a>



## Asia

<b>Dengue</b>	Sep 18	>780,000	–	–	Dengue is endemic throughout Asia. In 2024 as of September 11, more than 780,000 dengue cases have been reported in <b>Bangladesh</b> (42,470), <b>Cambodia</b> (7,058), <b>China</b> (274), <b>India (Kerala and Karnataka)</b> (47,135), <b>Indonesia</b> (577,585), <b>Laos</b> (6,653), <b>Malaysia</b> (80,441), <b>Maldives</b> (2,675), <b>Nepal</b> (2,645), <b>Philippines</b> (195,603), <b>Singapore</b> (9,874), <b>Sri Lanka</b> (39,968), <b>Thailand</b> (86,246), and <b>Vietnam</b> (71,300). <a href="#">Reference 1</a> <a href="#">Reference 2</a>
<b>Measles</b>	Sep 16	>96,000	–	–	In 2024 as of September 16, a total of >96,000 measles cases were reported in Asia, including <b>Pakistan</b> (4,826), <b>Afghanistan</b> (3,774), <b>Azerbaijan</b> (16,675), <b>India</b> (16,934), <b>Indonesia</b> (4,145), <b>Kazakhstan</b> , (27,760), <b>Kryrgyzstan</b> , (12,587), <b>Thailand</b> (6,222), <b>Sri Lanka</b> (242), <b>Nepal</b> (201), <b>Philippines</b> (3,346), <b>Malaysia</b> (2,657), <b>China</b> (665), <b>Vietnam</b> (347), <b>South Korea</b> (47), <b>Japan</b> (21), <b>Singapore</b> (7), and <b>Cambodia</b> (4). <a href="#">Reference</a>
<b>Cholera</b>	Oct 16	288,728	-	-	In 2024 as of October 16, >285,000 cholera cases were reported, with the majority being in <b>Afghanistan</b> (149,622) and <b>Pakistan</b> (62,573). <b>Bangladesh</b> (255), <b>China</b> (10), <b>India</b> (7,703), <b>Myanmar</b> (5,897), and <b>Nepal</b> (95) also reported cases. <a href="#">Reference</a>
<b>Chikungunya</b>	Sep 30				In 2024 as of September 30, cases of chikungunya have been reported in Asia, with most being in <b>India</b> (69,439 and <b>Pakistan</b> (2,447). Other countries reporting cases are <b>Thailand</b> (468), <b>Maldives</b> (389), <b>Timor Lest</b> (195), and <b>Malaysia</b> (72). <a href="#">Reference</a>

Afghanistan					
Polio (WPV1)	Oct 22	23	23	–	In 2024 as of October 23, there have been 23 cases of polio (WPV1) diagnosed in Afghanistan, compared with 62 in 2023. In September, 10 environmental samples were positive for WPV-1 in <b>Hilmand, Kabul, Nangarhar</b> and <b>Kandahar</b> provinces. <a href="#">Reference</a>
Bangladesh					
Dengue	Oct 13	42,470	-	214 (0.5%)	In 2024 as of October 13, a total of 42,470 dengue cases were reported in Bangladesh. This is 18% of the total during the same time in 2023. <a href="#">Reference</a>
India					
Dengue	Oct 26	48,566	-	-	In 2024 as of October 26, a total of 48,566 dengue cases were reported in the states of <b>Karnataka</b> (30,020) and <b>Kerala</b> (18,546), Incidence has slowly declined since peaking in July and August. <a href="#">Reference</a>
Chadipura Virus	Aug 3	153	57	66 (43%)	Since June 2024, cases of acute encephalitis syndrome have been reported, most in the district of <b>Gujarat</b> , followed by <b>Rajasthan, Madya Pradesh, and Maharashtra</b> . Persons with cases are younger than 15 years old. As of August 4, 2024, there have been a total of 157 suspected cases, including 57 confirmed; 66 have died (CFR 43%). Sandflies are vectors of infection. No vaccine exists and treatment is supportive. No person-to-person transmission. <a href="#">Reference</a>
Zika Virus	Aug 27	113	–	–	An outbreak of Zika virus is taking place in <b>Maharashtra State</b> (Pune district). In 2024 as of August 27, there have been 113 cases reported, some of which were in pregnant women. On August 22, CDC posted a Level 2 Travel Alert, advising against travel to Maharashtra by pregnant people. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Japanese Encephalitis	Aug 26	424	–	32	On August 26, 2024, it was reported that an outbreak of Japanese encephalitis, first identified in April, was ongoing in <b>Assam State</b> . At least 424 cases had been identified, including 32 deaths. <a href="#">Reference</a>
Leptospirosis	Oct 4	2,512	2,512	155 (6.2%)	In 2024 as of October 4, a total of 2,512 cases of leptospirosis were reported in the state of Kerala. <a href="#">Reference</a>
Indonesia					

<b>Polio (cVDPV2)</b>	Jun 27	7	7	-	In 2024 as of June 27, there have been a total of seven cases of polio (cVDPV2). In 2023, there were six cases. <a href="#">Reference</a>
<b>Dengue</b>	Oct 13	604,388	-	1,210 (<1%)	In 2024, a total of 604,388 cases of dengue have been reported in Indonesia, including 1,210 deaths. <a href="#">Reference</a>
<b>Pakistan</b>					
<b>Polio (WPV1)</b>	Oct 22	39	39	-	In 2024 as of Oct 22, a total of 39 human polio cases (WPV1) have been reported in Pakistan, compared with 127 in 2023. Seven cases were reported in August and September in <b>Balochistan, Sindh, and Lakkimarwat</b> provinces. <a href="#">Reference</a>
<b>Crimean-Congo Hemorrhagic Fever (CCHF)</b>	Aug 23	23	23	5	In 2024 as of August 23, a total of 23 cases of Crimean-Congo hemorrhagic fever (CCHF) have been reported in <b>Balochistan Province</b> in Pakistan. CCHF is endemic in Pakistan. <a href="#">Reference</a>
<b>Philippines</b>					
<b>Leptospirosis</b>	Oct 5	5,835	5,835	509 (8.7%)	In 2024 as of October 5, a total of 5,835 leptospirosis cases were reported, including 509 deaths. Fourteen of the country's 18 regions have been affected. <a href="#">Reference</a>
<b>Sri Lanka</b>					
<b>Dengue</b>	Oct 19	41,288	-	-	In 2024 as of October 19, Sri Lanka has reported a total of 41,288 dengue cases. <a href="#">Reference</a>
<b>Thailand</b>					
<b>Measles</b>	Oct 2	6,222	3,255	6	An increasing number of measles case have been reported in Thailand. In 2023 as of October 2, a total of 3,255 confirmed cases were reported. Twenty-three of 77 provinces reported cases, with the southernmost province – <b>Pattani</b> – having the highest incidence. <a href="#">Reference</a>
<b>Australia and Pacific</b>					
-					
<b>Africa</b>					
<b>Mpox</b>	Nov 3	49,310	10,672	1,059 (2.15%)	Due to the spread of mpox clade Ib from the Democratic Republic of the Congo (DRC) to neighboring countries, WHO has declared a Public Health Emergency of International Concern (PHEIC). Mpox clade Ib has been confirmed in <b>Burundi, Rwanda, Uganda,</b> and

					<p><b>Kenya</b>, all bordering on the <b>DRC</b>. In 2024 as of November 3, a total of 49,310 suspected mpox cases were reported in Africa, including 7,535 confirmed cases and 998 deaths. Most cases were reported in the <b>DRC</b> (38,185), but also in <b>Burundi</b> (3,361), <b>Cameroon</b> (111), <b>Central African Republic</b> (350), <b>Congo</b> (249), <b>Côte d'Ivoire</b> (400), <b>Gabon</b> (1), <b>Liberia</b> (167), <b>Kenya</b> (9), <b>Nigeria</b> (1,180), <b>Rwanda</b> (6), <b>South Africa</b> (25), and <b>Uganda</b> (175) <a href="#">Reference 1</a> <a href="#">Reference 2</a></p>
<b>Measles</b>	Nov 3	202,638	20,519	30,016 (1.4%)	<p>Measles transmission has been epidemic throughout Africa for years. The following 2024 numbers as of November 3 are conservative, as measles surveillance is suboptimal across much of the continent: <b>Burkina Faso</b> (6,457), <b>Burundi</b> (14,296), <b>Cameroon</b> (1,921), <b>Central African Republic</b> (2,867), <b>Chad</b> (8,525), <b>Côte d'Ivoire</b> (6,048), <b>Congo</b> (511), <b>DRC</b> (69,124), <b>Ethiopia</b> (26,776), <b>Gabon</b> (208), <b>Ghana</b> (1,398), <b>Kenya</b> (1,953), <b>Liberia</b> (2,729), <b>Malawi</b> (303), <b>Mali</b> (620), <b>Mauritania</b> (2,760), <b>Morocco</b> (9,151), <b>Niger</b> (2,226), <b>Namibia</b> (105) <b>Nigeria</b> (8,243) <b>Senegal</b> (428), <b>Sierra Leone</b> (67), <b>Somalia</b> (10,670), <b>South Sudan</b> (3,160), <b>Sudan</b> (612), <b>Togo</b> (628), <b>Uganda</b> (2,011), and <b>Zambia</b> (3,933). <a href="#">Reference 1</a> <a href="#">Reference 2</a></p>
<b>Dengue</b>	Oct 23	106,720	11,979	110 (0.10%)	<p>In 2024 as of October 23, a total of 106,720 suspected and 11,979 confirmed dengue cases have been reported in Africa. They were in <b>Burkina Faso</b> (78,722), <b>Cameroon</b> (1), <b>Cape Verde</b> (1,205), <b>Chad</b> (983), <b>Côte d'Ivoire</b> (39), <b>Ethiopia</b> (3,363), <b>Ghana</b> (1,713), <b>Kenya</b> (88), <b>La Reunion</b> (1,209), <b>Mali</b> (6,818), <b>Mauritius</b> (9,166), <b>Sao Tome and Principe</b> (9), <b>Senegal</b> (144), <b>Sudan</b> (1,830), and <b>Togo</b> (2,205). <a href="#">Reference 1</a></p>
<b>Cholera</b>	Oct 18	>180,000	-	-	<p>Cholera exists at epidemic levels throughout Africa. In 2024 as of Oct 18, cases reported include <b>Burundi</b> (762), <b>Cameroon</b> (525), <b>Comoros</b> (10,514), 43), <b>DRC</b> (27,151), <b>Ethiopia</b> (25,240), <b>Ghana</b> (367), <b>Kenya</b> (300), <b>Malawi</b> (261), <b>Mozambique</b> (8,183), <b>Niger</b> (273), <b>Nigeria</b> (10,837), <b>Somalia</b> (19,640), <b>South Africa</b> (150), <b>Sudan</b> (30,465), <b>Tanzania</b> (5,798), <b>Uganda</b> (52), <b>Zambia</b> (20,063), and <b>Zimbabwe</b> (19,412). <a href="#">Reference 1</a> <a href="#">Reference 2</a></p>

<b>Polio (cVDPV 1 and cVDPD2)</b>	Oct 15	181	181	-	In 2024 as of October 15, eight cases of AFP caused by cVDPV1 have been reported from two countries: the <b>Democratic Republic of Congo</b> (7 cases) and <b>Mozambique</b> (1 case). In 2024 as of October 15, a total of 122 cases of AFP caused by cVDPV2 were reported from 16 countries: <b>Angola</b> (7 cases), <b>Benin</b> (1 cases), <b>Cameroon</b> (2 cases), <b>Chad</b> (8 cases), <b>DRC</b> (12 cases), <b>Ethiopia</b> (13 cases), <b>Guinea</b> (5 cases), <b>Liberia</b> (1 cases), <b>Mali</b> (1 cases), <b>Niger</b> (9 cases), <b>Nigeria</b> (61 cases), <b>Somalia</b> (3 cases), and <b>South Sudan</b> (9 cases).
<b>Anthrax</b>	Sep 29	202	30	6 (20%)	In 2024 as of Sepetmber 29, a total of 202 cases of anthrax were reported in three countries: <b>Democratic Republic of Congo</b> (10), <b>Kenya</b> (7), and <b>Uganda</b> (185). Concurrent wildlife outbreaks also took place. The clinical types of anthrax were not specified. <a href="#">Reference</a>
<b>Yellow fever</b>	Oct 26	678	36	6 (0.8%)	In 2024 as of October 12, a total of 590 suspect cases of yellow fever were reported in seven countries: <b>Central African Republic</b> (37), <b>Cameroon</b> (8), <b>Gabon</b> (104), <b>Guinea</b> (2), <b>Republic of Congo</b> (340), <b>South Sudan</b> (139), and <b>Uganda</b> (1). <a href="#">Reference</a>
<b>Lassa fever</b>	Oct 26	8,866	1,087	186 (17.1%)	In 2024 as of October 26, a total of 8,866 suspect cases of Lassa fever were reported by three countries: <b>Guinea</b> (27), <b>Liberia</b> (198), and <b>Nigeria</b> (9,728). <a href="#">Reference</a>
<b>Diphtheria</b>	Oct 23	19,416	9,816	495 (5%)	In 2024 as of October 23, a total of 19,416 suspected cases were reported in five countries: <b>Chad</b> (1,593), <b>Gabon</b> (13), <b>Guinea</b> (2,869), <b>Niger</b> (746), and <b>Nigeria</b> (14,195). <a href="#">Reference</a>
<b>Algeria</b>					
<b>Diphtheria</b>	Sep 30	115	-	28 (24.3%)	Since August 28, 2024, and as of September 30,115 cases of diphtheria have been reported in <b>Tinzaouatine</b> , <b>In Guezam</b> , <b>Timiaouine</b> , and <b>Bordj Badji Mokhtar</b> . <a href="#">Reference</a>
<b>Angola</b>					
<b>Polio (cVDPV2)</b>	Aug 24	7	7	0	In 2024 as of August 24, a total of seven polio (cVDPV2) cases have been reported in Angola. They have occurred in the provinces of <b>Luanda</b> , <b>Huambo</b> , <b>Lunda Norte</b> , and <b>Mexico</b> . There were no cases of polio (cVDPV2) reported in Angola in 2023. <a href="#">Reference 1</a> <a href="#">Reference 2</a>

Burkina Faso					
Dengue	Oct 23	78,722	–	84 (0.1%)	There has been a protracted dengue outbreak in Burkina Faso since September 2023. In 2024 as of October 23, there have been 78,722 dengue cases reported, including 84 deaths. All 13 regions have been affected, but the <b>Center Region</b> has accounted for more than 50% of cases. <a href="#">Reference</a>
Measles	Oct 23	10,639	484	46 (0.5%)	In 2024 as of May 28, a total of 9,904 suspected measles cases have been reported in Burkina Faso. Recently, there has been a downward trend in cases. <a href="#">Reference</a>
Burundi					
Mpox	Nov 3	3,361	1,509	0	Burundi is experiencing an expanding number of mpox cases since the first case was reported in July 2024. In 2024 as September 29, there have been 2,188 and 853 suspected and confirmed case, respectively. Cases have been reported in 43 of 49 health districts. The <b>Northern Bujumbura Zone</b> have reported 66% of cases. Children <5 years account for 27% of cases. Cases have been confirmed as clade Ib. This is the largest number of clade Ib cases reported outside of the DRC. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Measles	Oct 23	14,795	–	149 (1%)	In 2024 as of October 23, a total of 14,795 measles cases have been reported in Burundi. Twenty of the country's 49 provinces have been affected. <a href="#">Reference</a>
Cameroon					
Measles	Sep 27	1,555	283	60 (3.9%)	In 2024 as of September 27, a total of 1,555 cases of measles have been reported in Cameroon. Mostly affected Regions include Coastline, North, South, Center, Extreme North, and Northwest. <a href="#">Reference</a>
Central African Republic					
Mpox	Sep 29	350	57	1 (1.8%)	In 2024 as of September 29, 350 suspected mpox cases were reported, including 57 confirmed. Recent cases have occurred in <b>Mbaïki, Kémbé, Ouango, Batangafo, and Gamboula</b> health districts. The outbreak predominantly has affected young people: 81% and 19% of confirmed cases aged <25 years and <5 years, respectively. Cases are due to clade Ia. <a href="#">Reference</a>

Chad					
Polio (cVDPV2)	Oct 23	13	13	–	In 2024 as of September 9, a total of 13 cases of polio (cVDPV2) have been reported in Chad, including three in the past week in <b>N'Djamena, Ouaddai and Chari Baguirmi</b> provinces. There were 55 cases reported in 2023. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Comoros and Mayotte					
Cholera	Nov 3	10,540	–	152 (1.4%)	Since a cholera outbreak was declared on the island of <b>Comoros</b> on February 5, 2024 and as of November 3, a total 10,540 cases, including 152 deaths, have been reported. On March 18, 2024, the first of 220 cholera cases was reported on neighboring <b>Mayotte</b> . Incidence on both islands has decreased over the past few months. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Democratic Republic of Congo (DRC)					
Measles	Oct 23	85,103	–	2,053 (2.4%)	In 2024 as of October 23, a total of 85,103 measles cases have been reported in the DRC. All 26 provinces have reported measles outbreaks since the beginning of this year. This is a protracted outbreak that began in January 2023. <a href="#">Reference</a>
Cholera	Nov 3	27,151	569	407 (0.15%)	In 2024 as of June 30, a total of 20,143 cholera cases have been identified in the DRC. Fifteen of 26 provinces have been affected in this protracted outbreak that started in March 2022. <a href="#">Reference</a>
Mpox	Nov 3	38,185	8,607	1,049 (2.8%)	In 2024 as of November 3, the DRC has reported 38,185 cases of mpox, including 1,049 deaths (CFR 2.8%). High transmission has occurred in <b>Sud-Kivu, Sankuru, Equateur, Sud-Ubangi, and Tshopo</b> provinces. It is unclear how many of these cases are due to clades Ia or Ib. Clade Ib has been confirmed in all the DRC's 26 provinces. <a href="#">Reference</a>
Polio (cVDPV1, cVDPV2)	Aug 28	19	19	0	In 2024 as of August 28, there have been seven cases of cVDPV1 and 12 cases of cVDPV2 diagnosed in the DRC. In the past week there was one case of cVCPV2 reported in <b>Kwilu</b> . In 2023, there were 106 and 120 cases of cVDPV1 and cVDPV2 reported, respectively. <a href="#">Reference</a>
Ethiopia					

<b>Malaria</b>	Oct 20	>7,300,000	>6,900,000	527	In 2024, Ethiopia is experiencing a malaria outbreak, predominately due to <i>P. falciparum</i> . A total of >7,300,000 cases were reported through October 20. Four regions account for 80% of cases: <b>Oromia, Amhara, Southwest, and South Ethiopia Regional State</b> . <a href="#">Reference</a>
<b>Measles</b>	Oct 23	28,421	–	220	In 2024 as of October 23, there have been 28,421 cases of measles reported in Ethiopia, including 220 deaths. At least 11 of 17 districts have been affected. This is a protracted outbreak that began in August 2021. <a href="#">Reference</a>
<b>Dengue</b>	Oct 23	3,463	-	0	In 2024 as of October 23, a total of 3,463 suspected cases of dengue were reported in Ethiopia. <a href="#">Reference</a>
<b>Polio (cVDPV2)</b>	Jul 22	13	13	0	In 2024 as of July 22, there have been 13 cases of polio (cVDPV2) reported in Ethiopia, compared with one case in 2023. <a href="#">Reference</a>
<b>Ghana</b>					
<b>Mpox</b>	Oct 13	29	2	0	On October 1, 2024, Ghana reported a confirmed case of mpox (Clade IIb). Since then, 29 total suspect cases have been identified in the Bia West district. <a href="#">Reference</a>
<b>Guinea</b>					
<b>Polio (cVDPV2)</b>	Jul 10	5	5	0	During the week that ended July 10, one case of polio (cVDPV2) was reported in <b>Boke</b> . There have been five cases of polio (cVDPV2) reported in Guinea in 2024, compared with 47 in 2023. <a href="#">Reference</a>
<b>Diphtheria</b>	Sep 29	6,524	86	175 (2.7%)	Since March 16, 2024, and as of September 29, a total of 6,524 suspected diphtheria case, including 175 deaths, have been reported. Siguiri health district in Kankan region is the epicenter, with 92% of the cases. <a href="#">Reference</a>
<b>Kenya</b>					
<b>Cholera</b>	Nov 3	300	-	3 (1%)	In 2024 as of November 3, a total of 300 confirmed cholera cases were reported in Kenya since the outbreak began in April 2024. <b>Lamu County</b> is the most affected area, but cases also have been in reported in <b>Siaya and Tana River counties</b> . Transmission has been facilitated by flooding. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
<b>Mali</b>					



Dengue	Oct 23	7,818	812	10 (0.1%)	Mali has continued to experience a dengue outbreak that began in September 2023. In 2024 as of October 23, a total of 7,818 cases have been reported from all 11 regions. The Bamako region has accounted for 90% of cases. <a href="#">Reference</a>
<b>Mauritius</b>					
Dengue	Oct 23	9,166	8,660	9	In 2024 as of October 23 a total of 8,660 dengue cases have been confirmed as of May 26. Eighty-five percent have been diagnosed on the <b>main island of Mauritius</b> and the remainder from the autonomous island of <b>Rodrigues</b> . The most affected health offices are <b>Rivière du Rempart, Port Louis, and Pamplémousses</b> in the north. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
<b>Morocco</b>					
Measles	Oct 23	13,757	4,606	90 (0.1%)	In 2024 as of October 23, a total of 13,757 cases of measles have been reported in Morocco. All 12 regions of the country have been affected. This is a protracted outbreak that began in October 2023. <a href="#">Reference</a>
<b>Mozambique</b>					
Cholera	Nov 3	8,183	-	17 (0.2%)	In 2024 as of November 3, a total of 8,183 cholera cases have been reported in Mozambique. <a href="#">Reference</a>
<b>Niger</b>					
Measles	Oct 23	2,226	-	13 (0.5%)	In 2024 as of October 23, a total of 2,226 measles cases across 23 health districts were reported in Niger. <a href="#">Reference</a>
Polio (cVDPV2)	Oct 23	10	10	0	One case of polio (cVDPV2) was reported in the past week in <b>Zinder</b> province, increasing the total number of polio cases in 2024 to ten. One new positive environmental sample was reported in the past week in <b>Maradi</b> province. <a href="#">Reference</a>
<b>Nigeria</b>					
Lassa Fever	Oct 13	8,569	1,035	174 (16.8%)	In 2024 as of 13, a total of 8,569 suspected and 1,035 confirmed Lassa fever cases were reported in Nigeria, with 174 deaths in the confirmed cases (CFR: 16.8%). Sixty-six percent of cases were from three states: <b>Edo, Ondo, and Bauchi</b> . The predominant age group is 31-40 years. There has been a significant decrease in cases since the first three months in 2024. <a href="#">Reference</a>

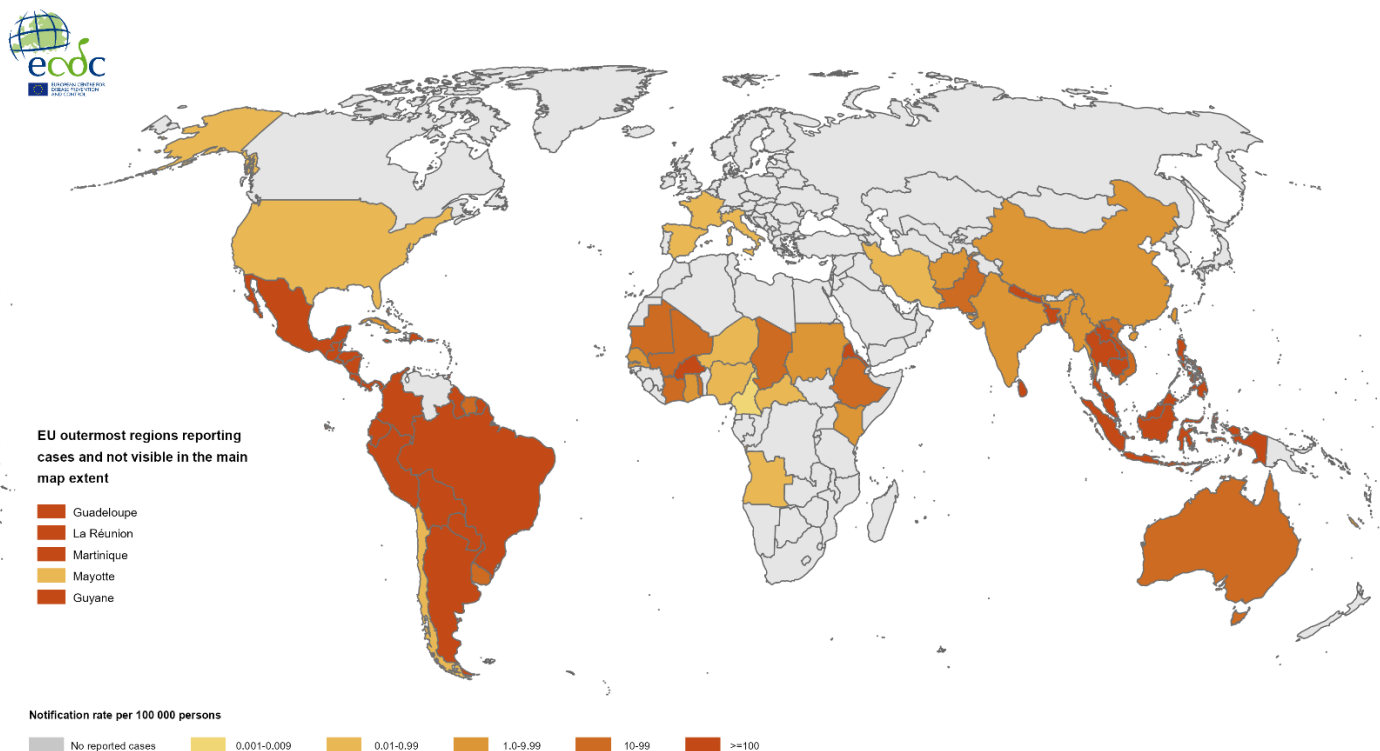
<b>Measles</b>	Sep 7	15,824	8,345	69	In 2024 as of September 7, a total of 15,824 measles cases have been reported in Nigeria. All states and the federal capital territory have been affected. <a href="#">Reference</a>
<b>Diphtheria</b>	Sep 5	14,195	-	197 (1.4%)	There has been an ongoing diphtheria outbreak since 2023, when more than 22,000 cases were reported. In 2024 as of October 23, a total of 14,195 cases have been reported. Affected states include <b>Kano, Borno, Jigawa, Bauchi, Katsina, Yobe</b> , and the <b>Federal Capital Territory</b> . <a href="#">Reference</a>
<b>Cholera</b>	Sep 29	10,837	–	359 (3.3%)	In 2024 as of September 29, a total of 10,837 suspected cholera cases, including 359 deaths, have been reported by Nigeria. <b>Lagos State</b> has reported 43% of cases. Cases also have been reported in the states of <b>Jikawa (8%), Kano (7%), Bayelsa (5%), Katsina (5%), Adamawa (5%)</b> and 23 other states. <a href="#">Reference</a>
<b>Mpox</b>	Oct 13	1,339	102	0	In 2024 as of October 13, Nigeria has reported 1,180 cases of mpox (Clade 2). Cases have been reported throughout Nigeria. >705 cases have been male and 27% in children <5 years old. <a href="#">Reference</a>
<b>Polio (cVDPV2)</b>	Oct 23	66	66	0	Five new cases of polio (cVDPV2) were reported in Sokoto, Gombe, Jigawa and Kaduna States. In 2024 as of October 23, a total of 66 cases of polio (cVDPV2) have been reported in Nigeria. <a href="#">Reference</a>
<b>Rwanda</b>					
<b>Marburg virus disease</b>	Oct 30	66	66	15 (23%)	On September 27, 2024, Rwanda announced an outbreak of Marburg virus disease. As of October 30, there have been 66 cases confirmed. Most have been associated with outbreaks in two hospitals in Kigali: King Faisal Hospital and Centre Hospitalier Universitaire de Kigali (CHUK). Cases have been reported in the following districts: Gatsibo, Nyagatare, Gasabo, Kicukiro, Nyarugenge, Rubavu, Huye, and Kamonyi. <a href="#">Reference</a>
<b>Mpox</b>	Sept 15	1,379	6	0	In 2024 as of September 15, Rwanda has reported >1,300 suspected and six confirmed cases of mpox due to clade 1b in the <b>Gasabo</b> and <b>Rusizi</b> districts. Most cases are aged 10-49 years. <a href="#">Reference</a>
<b>Senegal</b>					
<b>Crimean-Congo</b>	Oct 6	6	6	0	Since March 24, 2024 there have been six

hemorrhagic fever					cases of Crimean-Congo hemorrhagic fever as of October 6. Cases have occurred in Kaur Massar health district. <a href="#">Reference</a>
<b>South Africa</b>					
Mpox	Sep 6	25	25	3 (12%)	In 2024 as of September 6, South Africa has reported 25 confirmed mpox cases in the three provinces: <b>KwaZulu-Natal, Gauteng, and Western Cape</b> . Three have died. 68% were in persons living with HIV and 48% in men who report having sex with men. . Cases have been in men in their 30s. Clade 2. <a href="#">Reference</a>
<b>South Sudan</b>					
Measles	Oct 23	3,200	-	41	In 2024 as of October 23, a total of 3,200 measles cases have been reported in South Sudan. Most cases were in <b>Fangak, Jur-River, and Wulu</b> counties. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Yellow Fever	Oct 23	139	-	6 (4.3%)	In 2024 as of May 19, a total of 139 yellow fever cases have been reported in South Sudan. Most cases have been in seven counties in Western Equatoria state: <b>Yambio, Tambura, Nzara, Ezo, Ibba, Maridi, and Mvolo</b> . <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Polio (cVDPV2)	Sep 2	9	9	0	In 2024 as of September 2, there have been nine cases of polio (cVDPV2) reported in South Sudan. The most recent case was in <b>Jonglei</b> . This compares with three cases in 2023. <a href="#">Reference</a>
<b>Tanzania</b>					
Cholera	Nov 3	7,248	-	114 (1.6%)	In 2024 as of November 3, a total of 7,248 cases of cholera have been reported in 21 regions of Tanzania. ( <b>Mara, Arusha, Kilimanjaro, Kigoma, Kagera, Singida, Simiyu, Shinyanga, Tabora, Ruvuma, Mwanza, Geita, Rukwa, Dodoma, Manyara, Morogoro, Katavi, Pwani, Mtwara, Tanga, and Dar es Salaam</b> ). <a href="#">Reference</a>
<b>Uganda</b>					
Mpox	Oct 20	153	153	0	In 2024 as of October 20, a total of 153 confirmed mpox cases have been reported in Uganda. Most cases have occurred in e <b>Nakasongola, Wakiso, Kampala, and Mayuge</b> districts. Clade 1b. <a href="#">Reference 1</a> <a href="#">Reference 2</a>

Zambia					
Cholera	Nov 3	20,623	—	612 (3.8%)	In 2024 as of November 3, a total of 20,623 cholera cases have been reported in Zambia. Nine provinces have reported cases, with seven provinces confirming cholera outbreaks. <a href="#">Reference</a>
Measles	Oct 23	4,636	-	0	In 2024 as of October 23, a total of 4,636 measles cases have been reported in Zambia. All provinces have been affected, with many cases being in the northwestern province of the country that borders the DRC. <a href="#">Reference 1</a> <a href="#">Reference 2</a>
Zimbabwe					
Cholera	Oct 23	19,412	-	386 (2%)	Since February 2024, Zimbabwe has been experiencing a severe cholera outbreak. As of October 23, a total of 19,412 cases of cholera were reported. The highest number of confirmed cases reported were in <b>Harare, Manicaland, Mat North, and Masvingo</b> . <a href="#">Reference 1</a> <a href="#">Reference 2</a>

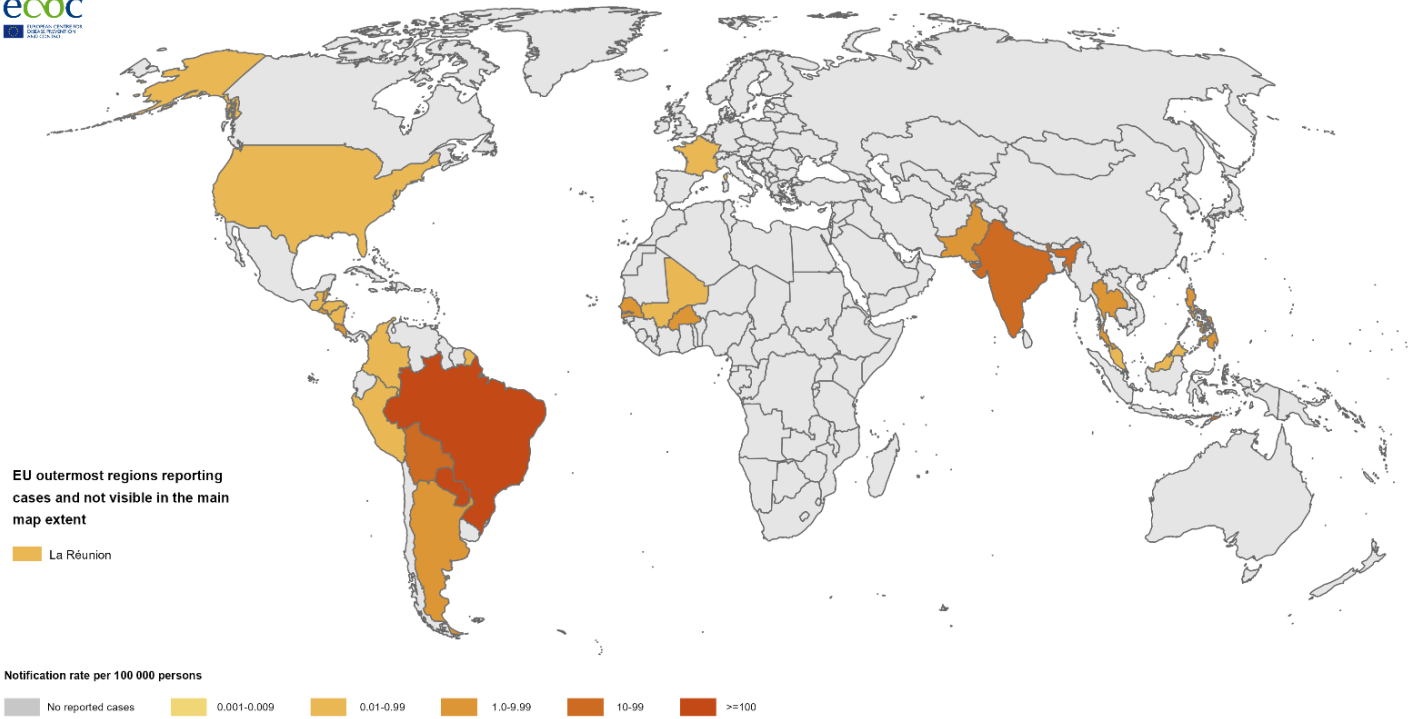
### Supplementary Figures for Reference

#### [12-month dengue virus disease case notification rate per 100 000 population, October 2023-September 2024, ECDC](#)



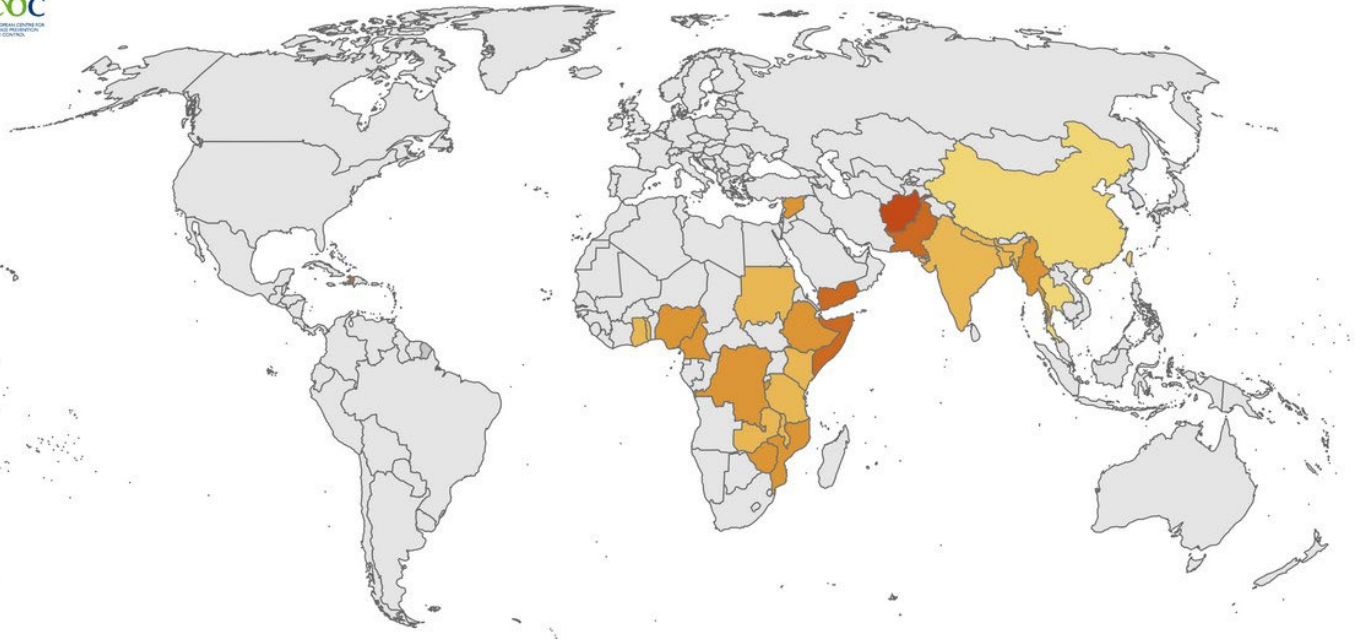
Note: Data refer to Dengue virus cases reported in the last 12 months (October 2023-September 2024) [Data collection: October 2024]. Case numbers are collected from both official public health authorities and non-official sources, such as news media, and depending on the source, autochthonous and non-autochthonous cases may be included. Administrative boundaries: © EuroGeographics. The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union. ECDC. Map produced on 02 October 2024

12-month Chikungunya virus disease case notification rate per 100 000 population, October 2023-September 2024, ECDC



Note: Data refer to Chikungunya virus cases reported in the last 12 months (October 2023-September 2024) [Data collection: October 2024]. Case numbers are collected from both official public health authorities and non-official sources, such as news media, and depending on the source, autochthonous and non-autochthonous cases may be included. Administrative boundaries: © EuroGeographics. The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union. ECDC. Map produced on 02 October 2024

# Geographical distribution of cholera cases reported worldwide from June to August 2024, ECDC

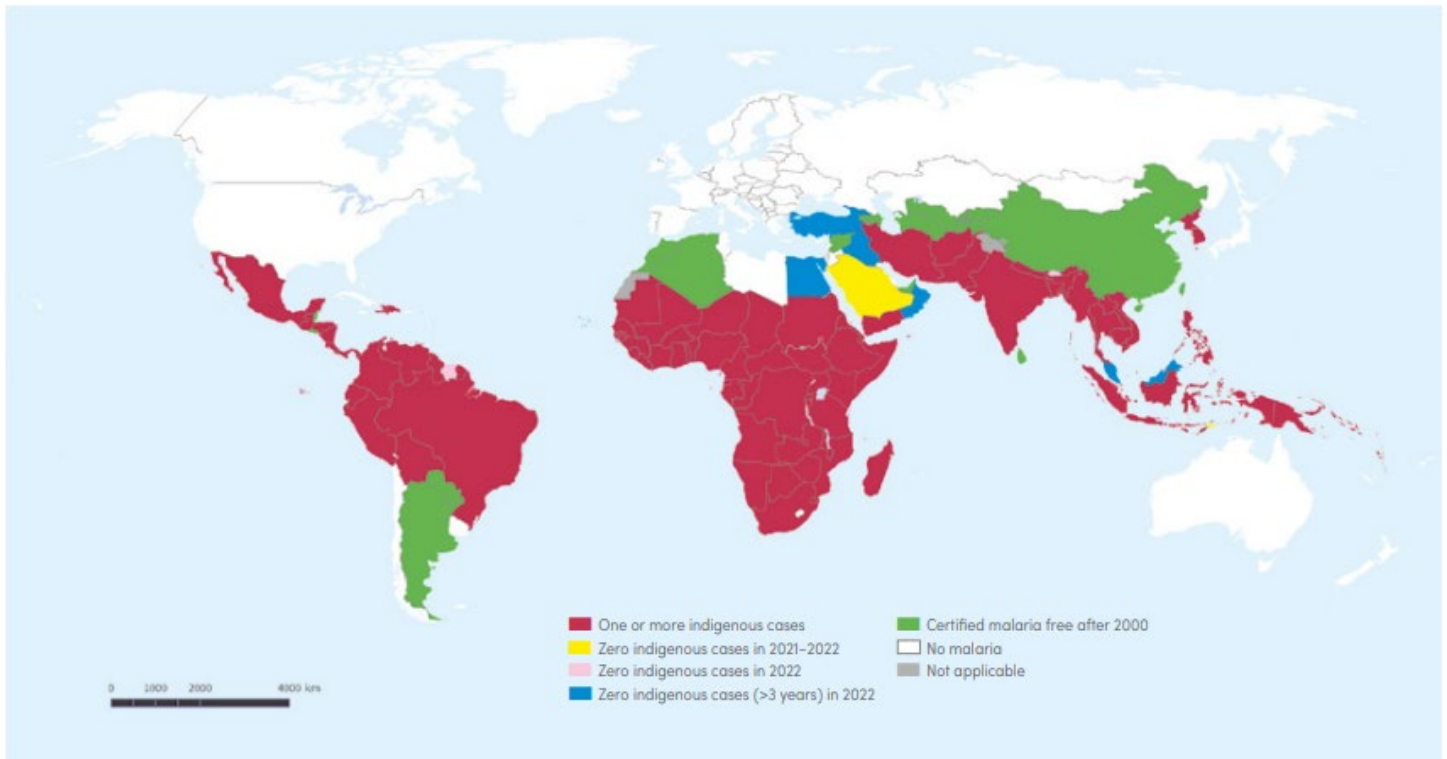


Notification rate per 100 000 persons



Note: Data refer to cases reported in the last 3 months. Administrative boundaries: © EuroGeographics  
The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union. ECDC. Map produced on 27 September 2024

[WHO World Malaria Report 2023](#)



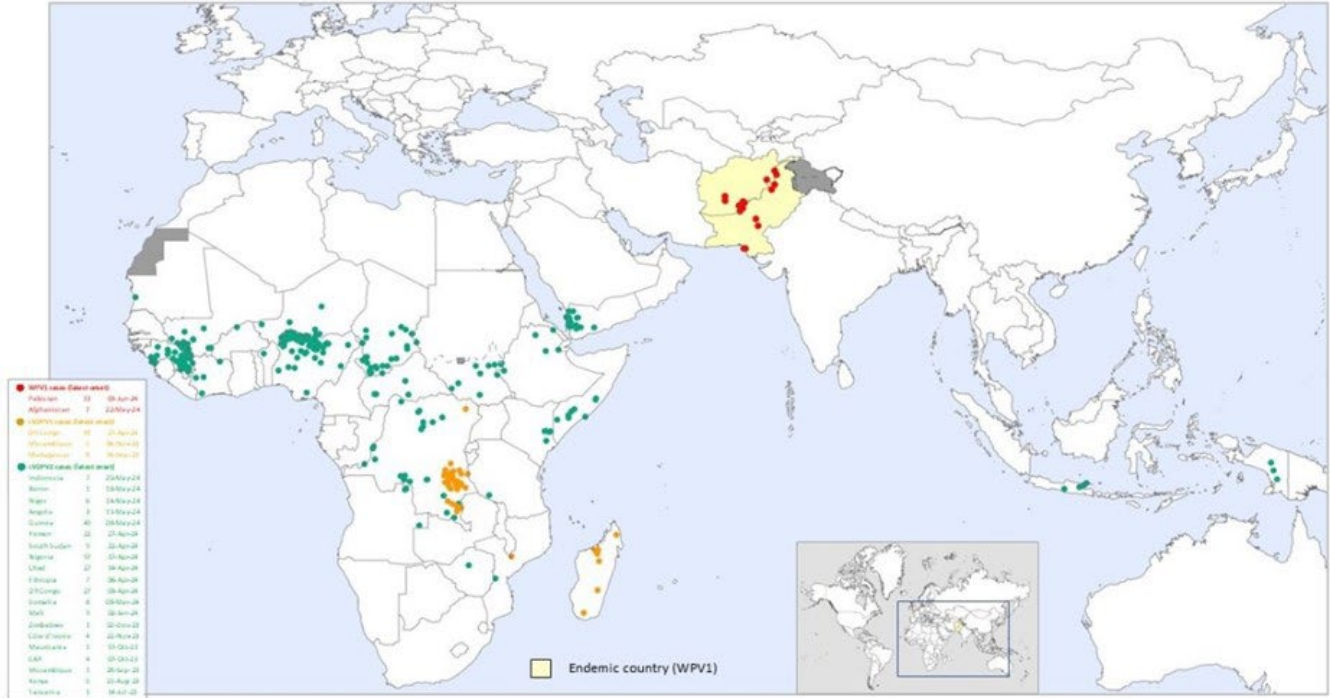
WHO: World Health Organization.

<sup>a</sup> Malaysia has a significant number of indigenous malaria cases caused by *Plasmodium knowlesi* infection.

<sup>b</sup> Countries with zero indigenous cases for at least 3 consecutive years are considered to have eliminated malaria. In 2022, Malaysia reported zero indigenous cases caused by human *Plasmodium species*<sup>a</sup> for the fifth consecutive year and Cabo Verde reported zero indigenous cases for the fourth year. Belize was certified malaria free in 2023, following 4 years of zero malaria cases.

Global Polio Eradication Initiative (GPEI)

Global WPV1 & cVDPV Cases<sup>1</sup>, Previous 12 Months<sup>2</sup>



<sup>1</sup>Excludes viruses detected from environmental surveillance; <sup>2</sup>Onset of paralysis: 03 Jul. 2023 to 02 Jul. 2024

Data in WHO HQ as of 02 Jul. 2024