List of Epidemics

From Wikipedia, the free encyclopedia

17th-century German "plague panel" depicting the triumph of death. Panels of this kind were placed on the walls of houses to warn against the plague. A plague epidemic raged in [Augsburg](https://en.wikipedia.org/wiki/Augsburg), Bavaria between 1632 and 1635.

This is a **list of the largest known epidemics and pandemics** caused by an [infectious disease](https://en.wikipedia.org/wiki/Infectious_disease). Widespread [non-communicable diseases](https://en.wikipedia.org/wiki/Non-communicable_diseases) such as [cardiovascular disease](https://en.wikipedia.org/wiki/Cardiovascular_disease) and [cancer](https://en.wikipedia.org/wiki/Cancer) are not included. An [epidemic](https://en.wikipedia.org/wiki/Epidemic) is the rapid spread of disease to a large number of people in a given population within a short period of time. For example, in [meningococcal infections](https://en.wikipedia.org/wiki/Meningococcal_infection), an [attack rate](https://en.wikipedia.org/wiki/Attack_rate) in excess of 15 cases per 100,000 people for two consecutive weeks is considered an epidemic.

Due to the large time spans, the [first plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic) (6th century–8th century) and the [second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic) (14th century–early 19th century) are shown by individual outbreaks, such as the [Plague of Justinian](https://en.wikipedia.org/wiki/Plague_of_Justinian) (first pandemic) and the [Black Death](https://en.wikipedia.org/wiki/Black_Death) (second pandemic). On the other hand, [tuberculosis](https://en.wikipedia.org/wiki/Tuberculosis) (TB) became [epidemic](https://en.wikipedia.org/wiki/History_of_tuberculosis#Epidemic_tuberculosis) in Europe in the 18th and 19th century, showing a seasonal pattern, and is still taking place globally. The [morbidity](https://en.wikipedia.org/wiki/Morbidity_rate) and [mortality](https://en.wikipedia.org/wiki/Mortality_rate) of TB and [HIV/AIDS](https://en.wikipedia.org/wiki/HIV/AIDS) have been closely linked, known as "TB/HIV syndemic". However, due to lack of sources which describe major TB epidemics with definite time spans and death tolls, they are currently not included in the following lists.

Major epidemics and pandemics by death toll[[edit](https://en.wikipedia.org/w/index.php?title=List_of_epidemics&action=edit&section=1)]

Events in **boldface** are ongoing. For a given epidemic, the average of its estimated death toll range is used for ranking. If the death toll averages of two or more epidemics equal, then the smaller the range, the higher the rank. For the historical records of world population, see [Estimates of historical world population](https://en.wikipedia.org/wiki/Estimates_of_historical_world_population).

| **Epidemics and pandemics with at least 1 million deaths** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Rank** | **Epidemics/pandemics** | **Disease** | **Death toll** | **Global population lost** | **Regional population lost** | **Date** | **Location** |
| 1 | [Black Death](https://en.wikipedia.org/wiki/Black_Death) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 75–200 million | [[Note 1]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Worldp-8) | 30–60% of European population[[8]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-9) | 1346–1353 | Europe, Asia, and North |
| 2 | [Spanish flu](https://en.wikipedia.org/wiki/Spanish_flu) | [Influenza A/H1N1](https://en.wikipedia.org/wiki/Influenza) | 17–100 million | 1–5.4%[[9]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-10)[[10]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-11) | – | 1918–1920 | [Worldwide](https://en.wikipedia.org/wiki/World) |
| 3 | [Plague of Justinian](https://en.wikipedia.org/wiki/Plague_of_Justinian) | Bubonic plague | 15–100 million | [[Note 1]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Worldp-8) | 25–60% of European population[[11]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:4-12) | 541–549 | Europe and [West Asia](https://en.wikipedia.org/wiki/West_Asia) |
| **4** | [**HIV/AIDS pandemic**](https://en.wikipedia.org/wiki/Epidemiology_of_HIV/AIDS) | [HIV/AIDS](https://en.wikipedia.org/wiki/HIV/AIDS) | **35 million+ (as of 2020)** | [[Note 2]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Decades-13) | – | **1981–present** | [**Worldwide**](https://en.wikipedia.org/wiki/World) |
| 5 | [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic) | [Plague](https://en.wikipedia.org/wiki/Plague_(disease)) | 12–15 million | [[Note 2]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Decades-13) | – | 1855–1960 | [Worldwide](https://en.wikipedia.org/wiki/World) |
| 6 | [Cocoliztli Epidemic of 1545–1548](https://en.wikipedia.org/wiki/Cocoliztli_Epidemic_of_1545%E2%80%931548) | Cocoliztli | 5–15 million | [[Note 1]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Worldp-8) | 27–80% of Mexican population[[12]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Megadrought_and_Megadeath_in_16th_Century_Mexico-14) | 1545–1548 | Mexico |
| 7 | [Antonine Plague](https://en.wikipedia.org/wiki/Antonine_Plague) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) or measles | 5–10 million | 3–6%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | 25–33% of Roman population[[13]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-15) | 165–180 (possibly up to 190) | [Roman Empire](https://en.wikipedia.org/wiki/Roman_Empire) |
| 8 | [1520 Mexico smallpox epidemic](https://en.wikipedia.org/wiki/History_of_smallpox_in_Mexico) | Smallpox | 5–8 million | [[Note 1]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Worldp-8) | 23–37% of Mexican population[[12]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Megadrought_and_Megadeath_in_16th_Century_Mexico-14) | 1519–1520 | [Mexico](https://en.wikipedia.org/wiki/Viceroyalty_of_New_Spain) |
| **9** | [**COVID-19 pandemic**](https://en.wikipedia.org/wiki/COVID-19_pandemic) | [COVID-19](https://en.wikipedia.org/wiki/COVID-19) | **3.2 million+ (as of May 2021)** | **0.04%**[[6]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:5-6) | – | **2019–present** | [**Worldwide**](https://en.wikipedia.org/wiki/World) |
| 10 | [1918–1922 Russia typhus epidemic](https://en.wikipedia.org/wiki/Epidemic_typhus#20th_century) | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 2–3 million | 0.1–0.16%[[14]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-16)[[Note 3]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-RussiaTy-17) | 1–1.6% of Russian population[[15]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-18) | 1918–1922 | [Russia](https://en.wikipedia.org/wiki/Russian_Soviet_Federative_Socialist_Republic) |
| 11 | [1957–1958 influenza pandemic](https://en.wikipedia.org/wiki/1957%E2%80%931958_influenza_pandemic) | Influenza A/H2N2 | 1–4 million | 0.03–0.1%[[6]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:5-6) | – | 1957–1958 | [Worldwide](https://en.wikipedia.org/wiki/World) |
| [Hong Kong flu](https://en.wikipedia.org/wiki/Hong_Kong_flu) | Influenza A/H3N2 | 1–4 million | 0.03–0.1%[[6]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:5-6) | – | 1968–1969 | [Worldwide](https://en.wikipedia.org/wiki/World) |
| 13 | [Cocoliztli epidemic of 1576](https://en.wikipedia.org/wiki/Cocoliztli_epidemic_of_1576) | Cocoliztli | 2–2.5 million | 0.4–0.5%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | 50% of Mexican population[[12]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Megadrought_and_Megadeath_in_16th_Century_Mexico-14) | 1576–1580 | Mexico |
| 14 | [735–737 Japanese smallpox epidemic](https://en.wikipedia.org/wiki/735%E2%80%93737_Japanese_smallpox_epidemic) | Smallpox | 2 million | 1%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | 33% of Japanese population[[16]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Suzuki-19) | 735–737 | Japan |
| [1772–1773 Persian Plague](https://en.wikipedia.org/wiki/1772%E2%80%931773_Persian_Plague) | Bubonic plague | 2 million | 0.2–0.3%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | [[Note 4]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Localp-20) | 1772–1773 | [Persia](https://en.wikipedia.org/wiki/Persia) |
| 16 | [Naples Plague](https://en.wikipedia.org/wiki/Naples_Plague) | Plague | 1.25 million | 0.2%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | [[Note 4]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Localp-20) | 1656–1658 | Southern Italy |
| 17 | [Third cholera pandemic](https://en.wikipedia.org/wiki/Third_cholera_pandemic) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 1 million+ | 0.08%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | – | 1846–1860 | [Worldwide](https://en.wikipedia.org/wiki/World) |
| 18 | [1629–1631 Italian plague](https://en.wikipedia.org/wiki/1629%E2%80%931631_Italian_plague) | Bubonic plague | 1 million | 0.2%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | [[Note 4]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Localp-20) | 1629–1631 | Italy |
| [1889–1890 flu pandemic](https://en.wikipedia.org/wiki/1889%E2%80%931890_pandemic) | Influenza | 1 million | 0.07%[[7]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:9-7) | – | 1889–1890 | [Worldwide](https://en.wikipedia.org/wiki/World) |

| **Event** | **Date** | **Location** | **Disease** | **Death toll (estimate)** | **Ref.** |
| --- | --- | --- | --- | --- | --- |
| 1200 BC Babylon influenza epidemic | 1200 BC | [Babylon](https://en.wikipedia.org/wiki/Babylon), or Babirus of the [Persians](https://en.wikipedia.org/wiki/Persia), [Central Asia](https://en.wikipedia.org/wiki/Central_Asia), [Mesopotamia](https://en.wikipedia.org/wiki/Mesopotamia) and Southern | [Sanskrit](https://en.wikipedia.org/wiki/Sanskrit) scholars found records of a disease resembling the flu | Unknown | [[17]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-flu-21) |
| [Plague of Athens](https://en.wikipedia.org/wiki/Plague_of_Athens) | 429–426 BC | [Greece](https://en.wikipedia.org/wiki/Greece), [Libya](https://en.wikipedia.org/wiki/Libya), Egypt, Ethiopia | Unknown, possibly [typhus](https://en.wikipedia.org/wiki/Typhus), [typhoid fever](https://en.wikipedia.org/wiki/Typhoid_fever) or [viral hemorrhagic fever](https://en.wikipedia.org/wiki/Viral_hemorrhagic_fever) | 75,000–100,000 | [[18]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-22)[[19]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-23)[[20]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-24)[[21]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-25) |
| [412 BC epidemic](https://en.wikipedia.org/wiki/412_BC_epidemic) | 412 BC | [Greece](https://en.wikipedia.org/wiki/Greece) ([Northern Greece](https://en.wikipedia.org/wiki/Northern_Greece), [Roman Republic](https://en.wikipedia.org/wiki/Roman_Republic)) | Unknown, possibly [influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[22]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-26) |
| [Antonine Plague](https://en.wikipedia.org/wiki/Antonine_Plague) | 165–180 (possibly up to 190) | [Roman Empire](https://en.wikipedia.org/wiki/Roman_Empire) | Unknown, possibly [smallpox](https://en.wikipedia.org/wiki/Smallpox) | 5–10 million | [[23]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-27)[[24]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-28) |
| Jian ‘an Plague | 217 | [Han Dynasty](https://en.wikipedia.org/wiki/Han_dynasty#Eastern_Han) | Unknown, possibly [typhoid fever](https://en.wikipedia.org/wiki/Typhoid_fever) or [viral hemorrhagic fever](https://en.wikipedia.org/wiki/Viral_hemorrhagic_fever) | Unknown | [[25]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-29)[[26]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-30) |
| [Plague of Cyprian](https://en.wikipedia.org/wiki/Plague_of_Cyprian) | 250–266 | Europe | Unknown, possibly [smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown | [[27]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-31)[[28]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-32) |
| [Plague of Justinian](https://en.wikipedia.org/wiki/Plague_of_Justinian)(beginning of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 541–549 | Europe and [West Asia](https://en.wikipedia.org/wiki/West_Asia) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 15–100 million (25–60% of population of Europe) | [[11]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:4-12)[[29]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-33)[[30]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-34) |
| [Roman Plague of 590](https://en.wikipedia.org/wiki/Roman_Plague_of_590)(part of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 590 | [Rome](https://en.wikipedia.org/wiki/Rome), [Byzantine Empire](https://en.wikipedia.org/wiki/Byzantine_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[31]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-35) |
| [Plague of Sheroe](https://en.wikipedia.org/wiki/Plague_of_Sheroe) (part of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 627–628 | [Bilad al-Sham](https://en.wikipedia.org/wiki/Bilad_al-Sham) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 25,000+ |  |
| [Plague of Amwas](https://en.wikipedia.org/wiki/Plague_of_Amwas) (part of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 638–639 | [Byzantine Empire](https://en.wikipedia.org/wiki/Byzantine_Empire), [West Asia](https://en.wikipedia.org/wiki/West_Asia), Africa | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 25,000+ | [[32]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Turner1990-36) |
| [Plague of 664](https://en.wikipedia.org/wiki/Plague_of_664) (part of First) | 664–689 | [British Isles](https://en.wikipedia.org/wiki/British_Isles) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[33]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Maddicott1997-37) |
| Plague of 698–701 (part of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 698–701 | [Byzantine Empire](https://en.wikipedia.org/wiki/Byzantine_Empire), [West Asia](https://en.wikipedia.org/wiki/West_Asia), [Syria](https://en.wikipedia.org/wiki/Syria), [Mesopotamia](https://en.wikipedia.org/wiki/Mesopotamia) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[34]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Little-38) |
| [735–737 Japanese smallpox epidemic](https://en.wikipedia.org/wiki/735%E2%80%93737_Japanese_smallpox_epidemic) | 735–737 | Japan | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 2 million (approx. 1⁄3of Japanese population) | [[16]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Suzuki-19)[[35]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Kohn-39) |
| Plague of 746–747 (part of [First plague pandemic](https://en.wikipedia.org/wiki/First_plague_pandemic)) | 746–747 | [Byzantine Empire](https://en.wikipedia.org/wiki/Byzantine_Empire), [West Asia](https://en.wikipedia.org/wiki/West_Asia), Africa | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[32]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Turner1990-36) |
| [Black Death](https://en.wikipedia.org/wiki/Black_Death) (start of the Second) | 1346–1353 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague)  [Yersinia pestis](https://en.wikipedia.org/wiki/Yersinia_pestis) [bacterium](https://en.wikipedia.org/wiki/Bacteria) | 75–200 million (30–60% of European population) | [[36]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-40) |
| [Sweating sickness](https://en.wikipedia.org/wiki/Sweating_sickness)(multiple outbreaks) | 1485–1551 | [Britain](https://en.wikipedia.org/wiki/UK) (England) and later continental Europe | Unknown, possibly an unknown species of [hantavirus](https://en.wikipedia.org/wiki/Hantavirus_pulmonary_syndrome) | 10,000+ | [[37]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-41) |
| 1489 Spain typhus epidemic | 1489 | [Spain](https://en.wikipedia.org/wiki/Spanish_Empire) | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 17,000 | [[38]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Typhus,_War,_and_Vaccines-42) |
| [1510 influenza pandemic](https://en.wikipedia.org/wiki/1510_influenza_pandemic) | 1510 | Asia, [North Africa](https://en.wikipedia.org/wiki/North_Africa), Europe | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown, around 1% of those infected | [[39]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-43) |
| [1520 Mexico smallpox epidemic](https://en.wikipedia.org/wiki/History_of_smallpox_in_Mexico) | 1519–1520 | [Mexico](https://en.wikipedia.org/wiki/Viceroyalty_of_New_Spain) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 5–8 million (40% of population) | [[12]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Megadrought_and_Megadeath_in_16th_Century_Mexico-14) |
| [Cocoliztli Epidemic of 1545–1548](https://en.wikipedia.org/wiki/Cocoliztli_Epidemic_of_1545%E2%80%931548) | 1545–1548 | [Mexico](https://en.wikipedia.org/wiki/Viceroyalty_of_New_Spain) | [Possibly *Salmonella enterica*](https://en.wikipedia.org/wiki/Salmonella_enterica) | 5–15 million (80% of population) | [[40]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-American_plague-44)[[41]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Acuna-SotoRomero2000-45)[[42]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Acuna-SotoStahle2002-46)[[43]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-sal-47) |
| [1557 influenza pandemic](https://en.wikipedia.org/wiki/1557_influenza_pandemic) | 1557–1559 | Asia, Africa, Europe, and Americas | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown |  |
| 1561 Chile smallpox epidemic | 1561–1562 | [Chile](https://en.wikipedia.org/wiki/Captaincy_General_of_Chile) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown (20–25% of native population) | [[44]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-48) |
| [1563 London plague](https://en.wikipedia.org/wiki/1563_London_plague)(part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1563–1564 | [London](https://en.wikipedia.org/wiki/London), England | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 20,100+ | [[45]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-49) |
| [Cocoliztli epidemic of 1576](https://en.wikipedia.org/wiki/Cocoliztli_epidemic_of_1576) | 1576–1580 | [Mexico](https://en.wikipedia.org/wiki/Viceroyalty_of_New_Spain) | [Possibly *Salmonella enterica*](https://en.wikipedia.org/wiki/Salmonella_enterica) | 2–2.5 million (50% of population) | [[40]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-American_plague-44)[[41]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Acuna-SotoRomero2000-45)[[42]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Acuna-SotoStahle2002-46)[[43]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-sal-47) |
| 1582 Tenerife plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1582–1583 | [Tenerife](https://en.wikipedia.org/wiki/Tenerife), [Spain](https://en.wikipedia.org/wiki/Spanish_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 5,000–9,000 | [[46]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-50) |
| 1592–1596 Seneca nation measles epidemic | 1592–1596 | [Seneca nation](https://en.wikipedia.org/wiki/Seneca_nation), North America | [Measles](https://en.wikipedia.org/wiki/Measles) | Unknown | [[47]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-51) |
| [1592–93 Malta plague epidemic](https://en.wikipedia.org/wiki/1592%E2%80%9393_Malta_plague_epidemic) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1592–1593 | [Malta](https://en.wikipedia.org/wiki/Malta) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 3,000 | [[48]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-52) |
| [1592–93 London plague](https://en.wikipedia.org/wiki/1592%E2%80%9393_London_plague) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1592–1593 | [London](https://en.wikipedia.org/wiki/London), England | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 19,900+ | [[49]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-53) |
| 1596–1602 Spain plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1596–1602 | [Spain](https://en.wikipedia.org/wiki/Spanish_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 600,000–700,000 | [[50]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-54) |
| 1600–1650 South America malaria epidemic | 1600–1650 | [South America](https://en.wikipedia.org/wiki/South_America) | [Malaria](https://en.wikipedia.org/wiki/Malaria) | Unknown | [[*citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citation_needed)] |
| 1603 London plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1603 | [London](https://en.wikipedia.org/wiki/London), England | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 40,000 | [[51]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-55)[[52]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-56)[[53]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-57) |
| 1616 New England infections epidemic | 1616–1620 | [Southern New England](https://en.wikipedia.org/wiki/Southern_New_England),[British North America](https://en.wikipedia.org/wiki/British_North_America), especially the[Wampanoag people](https://en.wikipedia.org/wiki/Wampanoag_people) | Unknown, possibly [leptospirosis](https://en.wikipedia.org/wiki/Leptospirosis) with [Weil syndrome](https://en.wikipedia.org/wiki/Weil_syndrome). Classic explanations include [yellow fever](https://en.wikipedia.org/wiki/Yellow_fever), [bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague), [influenza](https://en.wikipedia.org/wiki/Influenza),[smallpox](https://en.wikipedia.org/wiki/Smallpox), [chickenpox](https://en.wikipedia.org/wiki/Chickenpox), [typhus](https://en.wikipedia.org/wiki/Typhus), and [syndemic](https://en.wikipedia.org/wiki/Syndemic) infection of[hepatitis B](https://en.wikipedia.org/wiki/Hepatitis_B) and [hepatitis D](https://en.wikipedia.org/wiki/Hepatitis_D) | Unknown (estimated 30–90% of population) | [[54]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-58)[[55]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-59) |
| [1629–1631 Italian plague](https://en.wikipedia.org/wiki/1629%E2%80%931631_Italian_plague) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1629–1631 | Italy | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 1 million | [[56]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays-60) |
| 1632–1635 Augsburg plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1632–1635 | [Augsburg](https://en.wikipedia.org/wiki/Augsburg), [Germany](https://en.wikipedia.org/wiki/Holy_Roman_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 13,712 | [[57]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-61) |
| [Massachusetts smallpox epidemic](https://en.wikipedia.org/wiki/Massachusetts_smallpox_epidemic) | 1633–1634 | [Massachusetts Bay Colony](https://en.wikipedia.org/wiki/Massachusetts_Bay_Colony), [Thirteen Colonies](https://en.wikipedia.org/wiki/Thirteen_Colonies) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 1,000 | [[58]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-62) |
| 1634–1640 Wyandot people epidemic of infections | 1634–1640 | [Wyandot people](https://en.wikipedia.org/wiki/Wyandot_people), North America | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) and [Influenza](https://en.wikipedia.org/wiki/Influenza) | 15,000–25,000 | [[59]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-63) |
| 1637 London plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1636–1637 | [London](https://en.wikipedia.org/wiki/London) and Westminster, England | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 10,400 | [[60]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-64) |
| [Great Plague in late Ming Dynasty](https://en.wikipedia.org/wiki/Great_Plague_in_late_Ming_Dynasty) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1633–1644 | [China](https://en.wikipedia.org/wiki/Ming_dynasty) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 200,000+ | [[61]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:12-65)[[62]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Brook1999-66) |
| [Great Plague of Seville](https://en.wikipedia.org/wiki/Great_Plague_of_Seville)(part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1647–1652 | [Spain](https://en.wikipedia.org/wiki/Spanish_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 500,000 | [[63]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-67) |
| 1648 Central America yellow fever epidemic | 1648 | [Central America](https://en.wikipedia.org/wiki/Central_America) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | Unknown | [[64]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-68) |
| [Naples Plague](https://en.wikipedia.org/wiki/Naples_Plague) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1656–1658 | Italy | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 1,250,000 | [[65]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-69) |
| 1663–1664 Amsterdam plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1663–1664 | [Amsterdam](https://en.wikipedia.org/wiki/Amsterdam), [Netherlands](https://en.wikipedia.org/wiki/Netherlands) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 24,148 | [[66]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-70) |
| [Great Plague of London](https://en.wikipedia.org/wiki/Great_Plague_of_London)(part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1665–1666 | England | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 100,000 | [[67]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-71)[[68]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-72) |
| 1668 France plague (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1668 | [France](https://en.wikipedia.org/wiki/Kingdom_of_France) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 40,000 | [[69]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-73) |
| [1675–76 Malta plague epidemic](https://en.wikipedia.org/wiki/1675%E2%80%9376_Malta_plague_epidemic) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1675–1676 | [Malta](https://en.wikipedia.org/wiki/Malta) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 11,300 | [[70]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-74) |
| 1676–1685 Spain plague (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1676–1685 | [Spain](https://en.wikipedia.org/wiki/Spain) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[71]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-75) |
| 1677–1678 Boston smallpox epidemic | 1677–1678 | [Massachusetts Bay Colony](https://en.wikipedia.org/wiki/Massachusetts_Bay_Colony), [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 750–1000 | [[72]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-76) |
| [Great Plague of Vienna](https://en.wikipedia.org/wiki/Great_Plague_of_Vienna)(part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1679 | [Vienna](https://en.wikipedia.org/wiki/Vienna), [Austria](https://en.wikipedia.org/wiki/Austria) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 76,000 | [[73]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-EB1911-77) |
| 1681 Prague plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1681 | [Prague](https://en.wikipedia.org/wiki/Prague), [Czech Kingdom](https://en.wikipedia.org/wiki/Czech_Kingdom) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 83,000 | [[74]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-78) |
| 1687 South Africa Influenza outbreak | 1687 | [South Africa](https://en.wikipedia.org/wiki/Dutch_Cape_Colony) | Unknown, possibly [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[75]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-79) |
| 1693 Boston yellow fever epidemic | 1693 | [Boston](https://en.wikipedia.org/wiki/Boston), [Massachusetts Bay Colony](https://en.wikipedia.org/wiki/Massachusetts_Bay_Colony), [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 3,100+ | [[76]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-80) |
| 1699 Charleston and Philadelphia yellow fever epidemic | 1699 | [Charleston](https://en.wikipedia.org/wiki/Charleston,_West_Virginia) and Philadelphia, [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 520 (300 in Charleston, 220 in Philadelphia) | [[77]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-81) |
| 1702 New York City yellow fever epidemic | 1702 | [New York City](https://en.wikipedia.org/wiki/New_York_City), [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 500 | [[78]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-82) |
| 1702–1703 St. Lawrence Valley smallpox epidemic | 1702–1703 | [New France](https://en.wikipedia.org/wiki/New_France), Canada | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 1,300 | [[79]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-83) |
| 1707–1709 Iceland smallpox epidemic | 1707–1709 | [Iceland](https://en.wikipedia.org/wiki/Iceland) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 18,000+ (36% of population) | [[80]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p131-84) |
| [Great Northern War plague outbreak](https://en.wikipedia.org/wiki/Great_Northern_War_plague_outbreak) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1710–1712 | [Denmark](https://en.wikipedia.org/wiki/Denmark), Sweden, Lithuania | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 164,000 | [[81]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-85)[[82]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-86) |
| 1713–1715 North America measles epidemic | 1713–1715 | [Thirteen Colonies](https://en.wikipedia.org/wiki/Thirteen_Colonies) and New, Canada | [Measles](https://en.wikipedia.org/wiki/Measles) | Unknown | [[83]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-87)[[84]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-88) |
| [Great Plague of Marseille](https://en.wikipedia.org/wiki/Great_Plague_of_Marseille) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1720–1722 | France | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 100,000+ | [[85]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-89) |
| [1721 Boston smallpox outbreak](https://en.wikipedia.org/wiki/1721_Boston_smallpox_outbreak) | 1721–1722 | [Massachusetts Bay Colony](https://en.wikipedia.org/wiki/Massachusetts_Bay_Colony) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 844 | [[86]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-90) |
| 1730 Cádiz yellow fever epidemic | 1730 | [Cádiz](https://en.wikipedia.org/wiki/C%C3%A1diz), [Spain](https://en.wikipedia.org/wiki/Spain) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 2,200 | [[87]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-91) |
| 1732–1733 Thirteen Colonies influenza epidemic | 1732–1733 | [Thirteen Colonies](https://en.wikipedia.org/wiki/Thirteen_Colonies) | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[88]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-TurningPoints-92) |
| 1733 New France smallpox epidemic | 1733 | [New France](https://en.wikipedia.org/wiki/New_France), Canada | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown | [[89]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-93) |
| 1735–1741 Diphtheria epidemic | 1735–1741 | [New England](https://en.wikipedia.org/wiki/New_England), [Province of New York](https://en.wikipedia.org/wiki/Province_of_New_York), [Province of New Jersey](https://en.wikipedia.org/wiki/Province_of_New_Jersey), [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Diphtheria](https://en.wikipedia.org/wiki/Diphtheria) | 20,000 | [[90]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-94) |
| [Great Plague of 1738](https://en.wikipedia.org/wiki/Great_Plague_of_1738)(part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1738 | [Balkans](https://en.wikipedia.org/wiki/Balkans) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 50,000 | [[91]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-95) |
| 1738–1739 North Carolina smallpox epidemic | 1738–1739 | [Province of Carolina](https://en.wikipedia.org/wiki/Province_of_Carolina), [Thirteen Colonies](https://en.wikipedia.org/wiki/Thirteen_Colonies) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 7,700–11,700 | [[92]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-96) |
| 1741 Cartagena yellow fever epidemic | 1741 | [Cartagena](https://en.wikipedia.org/wiki/Cartagena,_Colombia), [Colombia](https://en.wikipedia.org/wiki/Colombia) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 20,000 | [[93]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Thomas_Jefferson_University-97) |
| 1743 Sicily plague epidemic (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1743 | [Messina](https://en.wikipedia.org/wiki/Messina), [Sicily](https://en.wikipedia.org/wiki/Sicily), Italy | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 40,000–50,000 | [[94]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-98)[[95]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-99) |
| 1759 North America measles outbreak | 1759 | North America | [Measles](https://en.wikipedia.org/wiki/Measles) | Unknown | [[96]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-100) |
| 1760 Charleston smallpox epidemic | 1760 | [Charleston](https://en.wikipedia.org/wiki/Charleston,_South_Carolina), [British North America](https://en.wikipedia.org/wiki/British_North_America) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 730–940 | [[97]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-101)[[98]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-102) |
| 1762 Havana yellow fever epidemic | 1762 | [Havana](https://en.wikipedia.org/wiki/Havana), [Cuba](https://en.wikipedia.org/wiki/Captaincy_General_of_Cuba) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 8,000 | [[93]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Thomas_Jefferson_University-97) |
| 1763 Pittsburgh area smallpox outbreak | 1763 | North America, present-day [Pittsburgh](https://en.wikipedia.org/wiki/Pittsburgh) area | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown | [[99]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-103) |
| [Russian plague of 1770–1772](https://en.wikipedia.org/wiki/Russian_plague_of_1770%E2%80%931772) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1770–1772 | [Russia](https://en.wikipedia.org/wiki/Russian_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 50,000 | [[100]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-104) |
| 1772 North America measles epidemic | 1772 | North America | [Measles](https://en.wikipedia.org/wiki/Measles) | 1,080 | [[101]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-105) |
| [1772–1773 Persian Plague](https://en.wikipedia.org/wiki/1772%E2%80%931773_Persian_Plague) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1772–1773 | [Persia](https://en.wikipedia.org/wiki/Afsharid_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 2 million | [[102]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Shahraki-106) |
| 1775–1776 England influenza outbreak | 1775–1776 | England | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[103]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Lancet-107) |
| [1775–1782 North American smallpox epidemic](https://en.wikipedia.org/wiki/1775%E2%80%931782_North_American_smallpox_epidemic) | 1775–1782 | Native populations in what is now the [Pacific Northwest](https://en.wikipedia.org/wiki/Pacific_Northwest) of the United States | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 11,000+ | [[104]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-108)[[105]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-109) |
| 1778 Spain dengue fever outbreak | 1778 | [Spain](https://en.wikipedia.org/wiki/Spain) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | Unknown | [[106]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-110) |
| 1788 Pueblo Indians smallpox epidemic | 1788 | [Pueblo Indians](https://en.wikipedia.org/wiki/Pueblo_Indians) in northern [New Spain](https://en.wikipedia.org/wiki/New_Spain)(what is now the [Southwestern United States](https://en.wikipedia.org/wiki/Southwestern_United_States)) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown | [[107]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-111) |
| 1789–1790 New South Wales smallpox epidemic | 1789–1790 | [New South Wales](https://en.wikipedia.org/wiki/New_South_Wales,_Australia), Australia | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown (50–70% of native population) | [[108]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-112)[[109]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-113) |
| [1793 Philadelphia yellow fever epidemic](https://en.wikipedia.org/wiki/1793_Philadelphia_yellow_fever_epidemic) | 1793 | [Philadelphia](https://en.wikipedia.org/wiki/Philadelphia), United States | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 5,000+ | [[110]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-114) |
| 1800–1803 Spain yellow fever epidemic | 1800–1803 | [Spain](https://en.wikipedia.org/wiki/Spain) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 60,000+ | [[111]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-115) |
| 1801 Ottoman Empire and Egypt bubonic plague epidemic | 1801 | [Ottoman Empire](https://en.wikipedia.org/wiki/Ottoman_Empire), [Egypt](https://en.wikipedia.org/wiki/Egypt) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[112]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Davidson1893-116) |
| 1802–1803 Saint-Domingue yellow fever epidemic | 1802–1803 | [Saint-Domingue](https://en.wikipedia.org/wiki/Saint-Domingue) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 29,000–55,000 | [[113]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-medicina-117) |
| 1812 Russia Typhus epidemic | 1812 | [Russia](https://en.wikipedia.org/wiki/Russian_Empire) | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 300,000 | [[38]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Typhus,_War,_and_Vaccines-42) |
| [1812–19 Ottoman plague epidemic](https://en.wikipedia.org/wiki/1812%E2%80%9319_Ottoman_plague_epidemic) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1812–1819 | [Ottoman Empire](https://en.wikipedia.org/wiki/Ottoman_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 300,000+ | [[114]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-118) |
| [1813–14 Malta plague epidemic](https://en.wikipedia.org/wiki/1813%E2%80%9314_Malta_plague_epidemic) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1813–1814 | [Malta](https://en.wikipedia.org/wiki/Malta) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 4,500 | [[115]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-119) |
| [Caragea's plague](https://en.wikipedia.org/wiki/Caragea%27s_plague) (part of the [Second plague pandemic](https://en.wikipedia.org/wiki/Second_plague_pandemic)) | 1813 | [Romania](https://en.wikipedia.org/wiki/Moldavia) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 60,000 | [[116]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-120) |
| 1817–1819 Ireland typhus epidemic | 1817–1819 | Ireland | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 65,000 | [[117]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-121) |
| [First cholera pandemic](https://en.wikipedia.org/wiki/First_cholera_pandemic) | 1817–1824 | Asia, Europe | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 100,000+ | [[118]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p193-122) |
| 1820 Savannah yellow fever epidemic | 1820 | [Savannah, Georgia](https://en.wikipedia.org/wiki/Savannah,_Georgia), United States | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 700 | [[119]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-123) |
| 1821 Barcelona yellow fever epidemic | 1821 | [Barcelona](https://en.wikipedia.org/wiki/Barcelona), [Spain](https://en.wikipedia.org/wiki/Spain) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 5,000–20,000 | [[120]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Britannica-124)[[121]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-125) |
| [Second cholera pandemic](https://en.wikipedia.org/wiki/Second_cholera_pandemic) | 1826–1837 | Asia, Europe, North America | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 100,000+ | [[122]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p211-126) |
| 1828–1829 New South Wales smallpox epidemic | 1828–1829 | [New South Wales](https://en.wikipedia.org/wiki/New_South_Wales), Australia | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 19,000 | [[123]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-127)[[124]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-128) |
| [Groningen epidemic](https://en.wikipedia.org/wiki/Groningen_epidemic) | 1829 | [Netherlands](https://en.wikipedia.org/wiki/Netherlands) | [Malaria](https://en.wikipedia.org/wiki/Malaria) | 2,800 | [[125]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-129) |
| 1829–1833 Pacific Northwest malaria epidemic | 1829–1833 | [Pacific Northwest](https://en.wikipedia.org/wiki/Pacific_Northwest), United States | [Malaria](https://en.wikipedia.org/wiki/Malaria), possibly other diseases too | 150,000 | [[126]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-130)[[127]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-131) |
| 1829–1835 Iran plague outbreak | 1829–1835 | [Iran](https://en.wikipedia.org/wiki/Iran) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[128]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-132) |
| 1834–1836 Egypt plague epidemic | 1834–1836 | [Egypt](https://en.wikipedia.org/wiki/Egypt) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[129]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Kuhnke-133) |
| [1837 Great Plains smallpox epidemic](https://en.wikipedia.org/wiki/1837_Great_Plains_smallpox_epidemic) | 1837–1838 | [Great Plains](https://en.wikipedia.org/wiki/Great_Plains), United States and Canada | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 17,000+ | [[130]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-134) |
| 1841 Southern United States yellow fever epidemic | 1841 | [Southern United States](https://en.wikipedia.org/wiki/Southern_United_States)(especially [Louisiana](https://en.wikipedia.org/wiki/Louisiana) and [Florida](https://en.wikipedia.org/wiki/Florida)) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 3,498 | [[131]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-135) |
| [1847 North American typhus epidemic](https://en.wikipedia.org/wiki/1847_North_American_typhus_epidemic) | 1847–1848 | Canada | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 20,000+ | [[132]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-CCHA-136) |
| 1847 Southern United States yellow fever epidemic | 1847 | [Southern United States](https://en.wikipedia.org/wiki/Southern_United_States)(especially [New Orleans](https://en.wikipedia.org/wiki/New_Orleans)) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 3,400 | [[133]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-137) |
| 1847–1848 influenza epidemic | 1847–1848 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[134]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-AJAMA-138) |
| 1848–1849 Hawaii epidemic of infections | 1848–1849 | [Hawaiian Kingdom](https://en.wikipedia.org/wiki/Hawaiian_Kingdom) | [Measles](https://en.wikipedia.org/wiki/Measles), [whooping cough](https://en.wikipedia.org/wiki/Whooping_cough), [dysentery](https://en.wikipedia.org/wiki/Dysentery) and [influenza](https://en.wikipedia.org/wiki/Influenza) | 10,000 | [[135]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-139) |
| 1853 New Orleans yellow fever epidemic | 1853 | [New Orleans](https://en.wikipedia.org/wiki/New_Orleans), United States | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 7,970 | [[120]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Britannica-124) |
| [Third cholera pandemic](https://en.wikipedia.org/wiki/Third_cholera_pandemic) | 1846–1860 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 1 million+ | [[136]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p236-140) |
| 1853 Ottoman Empire plague epidemic | 1853 | [Ottoman Empire](https://en.wikipedia.org/wiki/Ottoman_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | Unknown | [[137]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Practitioner-141) |
| [1853 Copenhagen cholera outbreak](https://en.wikipedia.org/wiki/1853_Copenhagen_cholera_outbreak) | 1853 | [Copenhagen](https://en.wikipedia.org/wiki/Copenhagen), [Denmark](https://en.wikipedia.org/wiki/Denmark) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 4,737 | [[138]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-142) |
| [1854 Broad Street cholera outbreak](https://en.wikipedia.org/wiki/1854_Broad_Street_cholera_outbreak) | 1854 | [London](https://en.wikipedia.org/wiki/London), England | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 616 | [[139]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Snow1855-143) |
| 1855 Norfolk yellow fever epidemic | 1855 | [Norfolk](https://en.wikipedia.org/wiki/Norfolk) and [Portsmouth](https://en.wikipedia.org/wiki/Portsmouth), England | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 3,000 (2,000 in Norfolk, 1,000 in Portsmouth) | [[140]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-144) |
| [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic) | 1855–1960 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 12–15 million (India and China) | [[141]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Pryor-145)[[142]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-146) |
| 1857 Lisbon yellow fever epidemic | 1857 | [Lisbon](https://en.wikipedia.org/wiki/Lisbon), [Portugal](https://en.wikipedia.org/wiki/Portugal) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 6,000 | [[120]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Britannica-124) |
| 1857 Victoria smallpox epidemic | 1857 | [Victoria](https://en.wikipedia.org/wiki/Victoria_(Australia)), Australia | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | Unknown | [[143]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-147) |
| 1857–1859 Europe and the Americas influenza epidemic | 1857–1859 | Europe, North America, [South America](https://en.wikipedia.org/wiki/South_America) | [Influenza](https://en.wikipedia.org/wiki/Influenza) | Unknown | [[144]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-148) |
| [1862 Pacific Northwest smallpox epidemic](https://en.wikipedia.org/wiki/1862_Pacific_Northwest_smallpox_epidemic) | 1862–1863 | [Pacific Northwest](https://en.wikipedia.org/wiki/Pacific_Northwest), Canada and United States | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 20,000+ | [[145]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-149)[[146]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-150)[[147]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Boyd-151) |
| 1861–1865 United States typhoid fever epidemic | 1861–1865 | United States | [Typhoid fever](https://en.wikipedia.org/wiki/Typhoid_fever) | 80,000 | [[148]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-152) |
| [Fourth cholera pandemic](https://en.wikipedia.org/wiki/Fourth_cholera_pandemic) | 1863–1875 | [Middle East](https://en.wikipedia.org/wiki/Middle_East) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 600,000 | [[149]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p267-153) |
| 1867 Sydney measles epidemic | 1867 | [Sydney](https://en.wikipedia.org/wiki/Sydney), Australia | [Measles](https://en.wikipedia.org/wiki/Measles) | 748 | [[150]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Dictionary_of_Sydney-154) |
| [1871 Buenos Aires yellow fever epidemic](https://en.wikipedia.org/wiki/Yellow_fever_in_Buenos_Aires) | 1871 | [Buenos Aires](https://en.wikipedia.org/wiki/Buenos_Aires), [Argentina](https://en.wikipedia.org/wiki/Argentina) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 13,500–26,200 | [[151]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-155) |
| 1870–1875 Europe smallpox epidemic | 1870–1875 | Europe | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 500,000 | [[152]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-156)[[153]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-157) |
| 1875 Fiji measles outbreak | 1875 | [Fiji](https://en.wikipedia.org/wiki/Fiji) | [Measles](https://en.wikipedia.org/wiki/Measles) | 40,000 | [[154]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-158) |
| 1875–1876 Australia scarlet fever epidemic | 1875–1876 | Australia | [Scarlet fever](https://en.wikipedia.org/wiki/Scarlet_fever) | 8,000 | [[150]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Dictionary_of_Sydney-154) |
| 1876 Ottoman Empire plague epidemic | 1876 | [Ottoman Empire](https://en.wikipedia.org/wiki/Ottoman_Empire) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 20,000 | [[155]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-159) |
| [1878 New Orleans yellow fever epidemic](https://en.wikipedia.org/wiki/Lower_Mississippi_Valley_yellow_fever_epidemic_of_1878) | 1878 | [New Orleans](https://en.wikipedia.org/wiki/New_Orleans), United States | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 4,046 | [[113]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-medicina-117) |
| [1878 Mississippi Valley yellow fever epidemic](https://en.wikipedia.org/wiki/Lower_Mississippi_Valley_yellow_fever_epidemic_of_1878) | 1878 | [Mississippi Valley](https://en.wikipedia.org/wiki/Mississippi_Valley), United States | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 13,000 | [[113]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-medicina-117) |
| [Fifth cholera pandemic](https://en.wikipedia.org/wiki/Fifth_cholera_pandemic) | 1881–1896 | Asia, Africa, Europe, [South America](https://en.wikipedia.org/wiki/South_America) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 298,600 | [[156]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p303-160) |
| 1885 Montreal smallpox epidemic | 1885 | [Montreal](https://en.wikipedia.org/wiki/Montreal), Canada | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 3,164 | [[157]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-161) |
| [1889–1890 flu pandemic](https://en.wikipedia.org/wiki/1889%E2%80%931890_flu_pandemic) | 1889–1890 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza](https://en.wikipedia.org/wiki/Influenza) or [Human coronavirus OC43 / HCoV-OC43](https://en.wikipedia.org/wiki/Human_coronavirus_OC43)[[158]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-162)[[159]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-163)(disputed) | 1 million | [[160]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Board1893-164) |
| [1894 Hong Kong plague](https://en.wikipedia.org/wiki/1894_Hong_Kong_plague)(part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1894–1929 | [Hong Kong](https://en.wikipedia.org/wiki/Hong_Kong) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 20,000+ | [[161]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-165) |
| [Bombay plague epidemic](https://en.wikipedia.org/wiki/Bombay_plague_epidemic) (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1896–1905 | [Bombay](https://en.wikipedia.org/wiki/Bombay), India | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 20,788 | [[162]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-166) |
| 1896–1906 Congo Basin African trypanosomiasis epidemic | 1896–1906 | [Congo Basin](https://en.wikipedia.org/wiki/Congo_Basin) | [African trypanosomiasis](https://en.wikipedia.org/wiki/African_trypanosomiasis) | 500,000 | [[163]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-African_trypanosomiasis-167) |
| [1899 Porto plague outbreak](https://en.wikipedia.org/wiki/1899_Porto_plague_outbreak) (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1899 | [Porto](https://en.wikipedia.org/wiki/Porto), [Portugal](https://en.wikipedia.org/wiki/Portugal) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 132 | [[164]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Pontes2012-168) |
| [Sixth cholera pandemic](https://en.wikipedia.org/wiki/Sixth_cholera_pandemic) | 1899–1923 | Europe, Asia, Africa | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 800,000+ | [[165]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p345-169) |
| [San Francisco plague of 1900–1904](https://en.wikipedia.org/wiki/San_Francisco_plague_of_1900%E2%80%931904) (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1900–1904 | [San Francisco](https://en.wikipedia.org/wiki/San_Francisco), United States | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 119 | [[166]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-170) |
| 1900 Sydney bubonic plague epidemic (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1900 | Australia | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 103 | [[167]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-171) |
| 1900–1920 Uganda African trypanosomiasis epidemic | 1900–1920 | [Uganda](https://en.wikipedia.org/wiki/Uganda) | [African trypanosomiasis](https://en.wikipedia.org/wiki/African_trypanosomiasis) | 200,000–300,000 | [[163]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-African_trypanosomiasis-167) |
| Papua New Guinea kuru epidemic | 1901–2009 | [Papua New Guinea](https://en.wikipedia.org/wiki/Papua_New_Guinea) | [Kuru](https://en.wikipedia.org/wiki/Kuru_(disease)) | 2,700–3,000+ | [[168]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-172)[[169]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-173) |
| 1903 India plague epidemic (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1903 | [India](https://en.wikipedia.org/wiki/British_Raj) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 22 | [[170]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-DSHS-174) |
| 1903 Fremantle plague epidemic (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1903 | [Fremantle, Western Australia](https://en.wikipedia.org/wiki/Fremantle) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 4 | [[171]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-175) |
| [1906 malaria outbreak in Ceylon](https://en.wikipedia.org/wiki/1906_malaria_outbreak_in_Ceylon) | 1906–1936 | [Ceylon](https://en.wikipedia.org/wiki/British_Ceylon) | [Malaria](https://en.wikipedia.org/wiki/Malaria) | 80,000 | [[172]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-176) |
| [Manchurian plague](https://en.wikipedia.org/wiki/Manchurian_plague)(part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1910–1911 | [China](https://en.wikipedia.org/wiki/Qing_dynasty) | [Pneumonic plague](https://en.wikipedia.org/wiki/Pneumonic_plague) | 60,000 | [[173]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:02-177) |
| 1910 China plague (part of the [Third plague pandemic](https://en.wikipedia.org/wiki/Third_plague_pandemic)) | 1910–1912 | [China](https://en.wikipedia.org/wiki/Qing_dynasty) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 40,000 | [[174]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Harbin_Plague-178) |
| [1915 Encephalitis lethargica pandemic](https://en.wikipedia.org/wiki/Encephalitis_lethargica#Pandemic_of_1915–1926) | 1915–1926 | Worldwide | [Encephalitis lethargica](https://en.wikipedia.org/wiki/Encephalitis_lethargica) | 500,000 | [[175]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:2-179)[[176]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:3-180)[[177]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-181) |
| 1916 United States polio epidemic | 1916 | United States | [Poliomyelitis](https://en.wikipedia.org/wiki/Poliomyelitis) | 7,130 | [[178]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Ochmann_and_Roser-182) |
| [1918 influenza pandemic ('Spanish flu')](https://en.wikipedia.org/wiki/1918_flu_pandemic) | 1918–1920 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza A virus subtype H1N1](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H1N1)  H1N1 virus | 17–100 million | [[179]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:1-183)[[180]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-184)[[181]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-185) |
| [1918–1922 Russia typhus epidemic](https://en.wikipedia.org/wiki/Epidemic_typhus#20th_century) | 1918–1922 | [Russia](https://en.wikipedia.org/wiki/Russian_Soviet_Federative_Socialist_Republic) | [Typhus](https://en.wikipedia.org/wiki/Typhus) | 2–3 million | [[182]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-186) |
| [1924 Los Angeles pneumonic plague outbreak](https://en.wikipedia.org/wiki/1924_Los_Angeles_pneumonic_plague_outbreak) | 1924 | [Los Angeles](https://en.wikipedia.org/wiki/Los_Angeles), United States | [Pneumonic plague](https://en.wikipedia.org/wiki/Pneumonic_plague) | 30 | [[183]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-187) |
| [1924–1925 Minnesota smallpox epidemic](https://en.wikipedia.org/wiki/1924%E2%80%931925_Minnesota_smallpox_epidemic) | 1924–1925 | [Minnesota](https://en.wikipedia.org/wiki/Minnesota), United States | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 500 | [[184]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-188) |
| 1927 Montreal typhoid fever epidemic | 1927 | [Montreal](https://en.wikipedia.org/wiki/Montreal), Canada | [Typhoid fever](https://en.wikipedia.org/wiki/Typhoid_fever) | 538 | [[185]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-189) |
| [1929–1930 Psittacosis Pandemic](https://en.wikipedia.org/wiki/1929%E2%80%931930_Psittacosis_Pandemic) | 1929–1930 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Psittacosis](https://en.wikipedia.org/wiki/Psittacosis) | 100+ | [[186]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Honigsbaum2020-190) |
| [Croydon typhoid outbreak of 1937](https://en.wikipedia.org/wiki/Croydon_typhoid_outbreak_of_1937) | 1937 | [Croydon](https://en.wikipedia.org/wiki/Croydon), United Kingdom | [Typhoid fever](https://en.wikipedia.org/wiki/Typhoid_fever) | 43 | [[187]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Ravenel1938-191) |
| 1937 Australia polio epidemic | 1937 | Australia | [Poliomyelitis](https://en.wikipedia.org/wiki/Polio) | Unknown | [[188]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-192) |
| 1940 Sudan yellow fever epidemic | 1940 | [Sudan](https://en.wikipedia.org/wiki/Anglo-Egyptian_Sudan) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 1,627 | [[189]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-193) |
| 1942–1944 Egypt malaria epidemic | 1942–1944 | [Egypt](https://en.wikipedia.org/wiki/Kingdom_of_Egypt) | [Malaria](https://en.wikipedia.org/wiki/Malaria) | Unknown | [[129]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Kuhnke-133)[[190]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Gallagher-194) |
| 1946 Egypt relapsing fever epidemic | 1946 | [Egypt](https://en.wikipedia.org/wiki/Kingdom_of_Egypt) | [Relapsing fever](https://en.wikipedia.org/wiki/Relapsing_fever) | Unknown | [[129]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Kuhnke-133)[[190]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Gallagher-194) |
| 1947 Egypt cholera epidemic | 1947 | [Egypt](https://en.wikipedia.org/wiki/Kingdom_of_Egypt) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 10,277 | [[129]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Kuhnke-133)[[190]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Gallagher-194)[[191]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-195) |
| 1948–1952 United States polio epidemic | 1948–1952 | United States | [Poliomyelitis](https://en.wikipedia.org/wiki/Poliomyelitis) | 9,000 | [[178]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Ochmann_and_Roser-182) |
| [1957–1958 influenza pandemic ('Asian flu')](https://en.wikipedia.org/wiki/1957%E2%80%931958_influenza_pandemic) | 1957–1958 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza A virus subtype H2N2](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H2N2) | 1–4 million | [[179]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:1-183)[[192]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Paul2008-196)[[193]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:0-197) |
| 1960–1962 Ethiopia yellow fever epidemic | 1960–1962 | [Ethiopia](https://en.wikipedia.org/wiki/Ethiopia) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 30,000 | [[194]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-198) |
| [Seventh cholera pandemic](https://en.wikipedia.org/wiki/Seventh_cholera_pandemic) | 1961–1975 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Cholera](https://en.wikipedia.org/wiki/Cholera) ([El Tor strain](https://en.wikipedia.org/wiki/El_Tor)) | Unknown | [[195]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Hays2005p421-199) |
| [Hong Kong flu](https://en.wikipedia.org/wiki/Hong_Kong_flu) | 1968–1970 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza A virus subtype H3N2](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H3N2)  H3N2 virus | 1–4 million | [[179]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:1-183)[[192]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Paul2008-196)[[193]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:0-197) |
| 1971 Staphorst polio epidemic | 1971 | [Staphorst](https://en.wikipedia.org/wiki/Staphorst), [Netherlands](https://en.wikipedia.org/wiki/Netherlands) | [Poliomyelitis](https://en.wikipedia.org/wiki/Poliomyelitis) | 5 | [[196]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-200) |
| [1972 Yugoslav smallpox outbreak](https://en.wikipedia.org/wiki/1972_Yugoslav_smallpox_outbreak) | 1972 | [Yugoslavia](https://en.wikipedia.org/wiki/Socialist_Federal_Republic_of_Yugoslavia) | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 35 | [[197]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-201) |
| [London flu](https://en.wikipedia.org/wiki/London_flu) | 1972–1973 | United States | [Influenza A virus subtype H3N2](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H3N2) | 1,027 | [[198]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-202) |
| 1973 Italy Cholera El Tor epidemic | 1973 | Italy | [Cholera](https://en.wikipedia.org/wiki/Cholera) ([El Tor strain](https://en.wikipedia.org/wiki/El_Tor)) | 24 | [[199]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-203) |
| [1974 smallpox epidemic of India](https://en.wikipedia.org/wiki/1974_smallpox_epidemic_of_India) | 1974 | India | [Smallpox](https://en.wikipedia.org/wiki/Smallpox) | 15,000 | [[200]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-SmallpoxIndia1974-204) |
| [1977 Russian flu](https://en.wikipedia.org/wiki/1977_Russian_flu) | 1977–1979 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza A virus subtype H1N1](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H1N1) | 700,000 | [[201]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:6-205)[[202]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-:7-206) |
| [Sverdlovsk anthrax leak](https://en.wikipedia.org/wiki/Sverdlovsk_anthrax_leak) | 1979 | Russia | [Anthrax](https://en.wikipedia.org/wiki/Anthrax) | 105 | [[203]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-207) |
| [**HIV/AIDS pandemic**](https://en.wikipedia.org/wiki/HIV/AIDS_pandemic) | 1981–present | [Worldwide](https://en.wikipedia.org/wiki/World) | [HIV/AIDS](https://en.wikipedia.org/wiki/HIV/AIDS)  [Human immunodeficiency virus](https://en.wikipedia.org/wiki/Human_immunodeficiency_virus) | 35 million+ (as of 2020) | [[204]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-208) |
| 1984 Western Sahara plague | 1984 | [Western Sahara](https://en.wikipedia.org/wiki/Western_Sahara) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 64 | [[*citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citation_needed)] |
| 1986 Oju yellow fever epidemic | 1986 | [Oju](https://en.wikipedia.org/wiki/Oju,_Nigeria), [Nigeria](https://en.wikipedia.org/wiki/Nigeria) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 5,600+ | [[205]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-209) |
| 1987 Mali yellow fever epidemic | 1987 | [Mali](https://en.wikipedia.org/wiki/Mali) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 145 | [[206]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-210) |
| 1991 Bangladesh cholera epidemic | 1991 | [Bangladesh](https://en.wikipedia.org/wiki/Bangladesh) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 8,410–9,432 | [[207]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-WHOCholeraTable-211) |
| 1991 Latin America cholera epidemic | 1991–1993 | [Peru](https://en.wikipedia.org/wiki/Peru), [Chile](https://en.wikipedia.org/wiki/Chile), [Bolivia](https://en.wikipedia.org/wiki/Bolivia), [Ecuador](https://en.wikipedia.org/wiki/Ecuador), [Colombia](https://en.wikipedia.org/wiki/Colombia), Mexico, [El Salvador](https://en.wikipedia.org/wiki/El_Salvador), [Guatemala](https://en.wikipedia.org/wiki/Guatemala) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 8,000 | [[208]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-212)[[209]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-213) |
| [1994 plague in India](https://en.wikipedia.org/wiki/1994_plague_in_India) | 1994 | India | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) and [Pneumonic plague](https://en.wikipedia.org/wiki/Pneumonic_plague) | 56 | [[210]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-214) |
| [United Kingdom BSE outbreak](https://en.wikipedia.org/wiki/United_Kingdom_BSE_outbreak) | 1996–2001 | United Kingdom | [Variant Creutzfeldt–Jakob disease / vCJD](https://en.wikipedia.org/wiki/Variant_Creutzfeldt%E2%80%93Jakob_disease) | 178 | [[211]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-215)[[212]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-vCJD-216) |
| 1996 West Africa meningitis epidemic | 1996 | [West Africa](https://en.wikipedia.org/wiki/West_Africa) | [Meningitis](https://en.wikipedia.org/wiki/Meningitis) | 10,000 | [[213]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-217) |
| [1998–99 Malaysia Nipah virus outbreak](https://en.wikipedia.org/wiki/1998%E2%80%9399_Malaysia_Nipah_virus_outbreak) | 1998–1999 | [Malaysia](https://en.wikipedia.org/wiki/Malaysia) | [Nipah virus infection](https://en.wikipedia.org/wiki/Nipah_virus_infection) | 105 | [[214]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Nipah_outbreak_Malaysia98_99-218) |
| 2000 Central America dengue epidemic | 2000 | [Central America](https://en.wikipedia.org/wiki/Central_America) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 40+ | [[215]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-219) |
| 2001 Nigeria cholera epidemic | 2001 | [Nigeria](https://en.wikipedia.org/wiki/Nigeria) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 400+ | [[216]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-220) |
| 2001 South Africa cholera epidemic | 2001 | [South Africa](https://en.wikipedia.org/wiki/South_Africa) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 139 | [[217]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-221)[[218]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-222) |
| [2002–04 SARS outbreak](https://en.wikipedia.org/wiki/2002%E2%80%9304_SARS_outbreak) | 2002–2004 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Severe acute respiratory syndrome / SARS](https://en.wikipedia.org/wiki/Severe_acute_respiratory_syndrome) | 774 | [[219]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-223) |
| 2003 Algeria plague outbreak | 2003 | [Algeria](https://en.wikipedia.org/wiki/Algeria) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 1 (18 cases) | [[220]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-224) |
| 2003–2019 Asia and Egypt Avian influenza epidemic | 2003–2019 | [Southeast Asia](https://en.wikipedia.org/wiki/Southeast_Asia) and [Egypt](https://en.wikipedia.org/wiki/Egypt) | [Influenza A virus subtype H5N1](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H5N1) | 455 | [[221]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-225) |
| 2004 Afghanistan leishmaniasis epidemic | 2004 | [Afghanistan](https://en.wikipedia.org/wiki/Afghanistan) | [Leishmaniasis](https://en.wikipedia.org/wiki/Leishmaniasis) | 0 (3,958 cases) | [[222]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-WHOint-226)[[223]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-227) |
| 2004 Indonesia dengue epidemic | 2004 | [Indonesia](https://en.wikipedia.org/wiki/Indonesia) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 658 | [[224]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-228) |
| 2004 Sudan Ebola outbreak | 2004 | [Sudan](https://en.wikipedia.org/wiki/Sudan) | [Ebola](https://en.wikipedia.org/wiki/Ebola) | 7 | [[225]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-WHO2014-229) |
| [2005 dengue outbreak in Singapore](https://en.wikipedia.org/wiki/2005_dengue_outbreak_in_Singapore) | 2005 | [Singapore](https://en.wikipedia.org/wiki/Singapore) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 27 | [[226]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-230) |
| 2006 Luanda cholera epidemic | 2006 | [Luanda](https://en.wikipedia.org/wiki/Luanda), [Angola](https://en.wikipedia.org/wiki/Angola) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 1,200+ | [[227]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-231) |
| 2006 Ituri Province plague epidemic | 2006 | [Ituri Province](https://en.wikipedia.org/wiki/Ituri_Province), [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 61 | [[228]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-232)[[229]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-233) |
| 2006 India malaria outbreak | 2006 | India | [Malaria](https://en.wikipedia.org/wiki/Malaria) | 17 | [[230]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-234) |
| [2006 dengue outbreak in India](https://en.wikipedia.org/wiki/2006_dengue_outbreak_in_India) | 2006 | India | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 50+ | [[231]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-235) |
| [2006 dengue outbreak in Pakistan](https://en.wikipedia.org/wiki/2006_dengue_outbreak_in_Pakistan) | 2006 | Pakistan | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 50+ | [[232]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-236) |
| 2006 Philippines dengue epidemic | 2006 | [Philippines](https://en.wikipedia.org/wiki/Philippines) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 1,000 | [[233]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-237) |
| [2006–07 East Africa Rift Valley fever outbreak](https://en.wikipedia.org/wiki/2006%E2%80%9307_East_Africa_Rift_Valley_fever_outbreak) | 2006–2007 | [East Africa](https://en.wikipedia.org/wiki/East_Africa) | [Rift Valley fever](https://en.wikipedia.org/wiki/Rift_Valley_fever) | 394 | [[234]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-238) |
| [Mweka Ebola epidemic](https://en.wikipedia.org/wiki/Mweka,_Democratic_Republic_of_the_Congo#Epidemic) | 2007 | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) | [Ebola](https://en.wikipedia.org/wiki/Ebola) | 187 | [[235]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-239) |
| 2007 Ethiopia cholera epidemic | 2007 | [Ethiopia](https://en.wikipedia.org/wiki/Ethiopia) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 684 | [[236]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-240) |
| [2007 Iraq cholera outbreak](https://en.wikipedia.org/wiki/2007_Iraq_cholera_outbreak) | 2007 | [Iraq](https://en.wikipedia.org/wiki/Iraq) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 10 | [[237]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-241) |
| 2007 Puerto Rico, Dominican Republic, and Mexico dengue fever epidemic | 2007 | [Puerto Rico](https://en.wikipedia.org/wiki/Puerto_Rico), [Dominican Republic](https://en.wikipedia.org/wiki/Dominican_Republic), Mexico | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 183 | [[238]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-242) |
| 2007 Uganda Ebola outbreak | 2007 | [Uganda](https://en.wikipedia.org/wiki/Uganda) | [Ebola](https://en.wikipedia.org/wiki/Ebola) | 37 | [[225]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-WHO2014-229) |
| 2007 Netherlands Q-fever epidemic | 2007–2018 | [Netherlands](https://en.wikipedia.org/wiki/Netherlands) | [Q-fever](https://en.wikipedia.org/wiki/Q-fever) | 95 | [[239]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-243) |
| 2008 Brazil dengue epidemic | 2008 | Brazil | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 67 | [[240]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-244) |
| 2008 Cambodia dengue epidemic | 2008 | [Cambodia](https://en.wikipedia.org/wiki/Cambodia) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 407 | [[241]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-245) |
| 2008 Chad cholera epidemic | 2008 | [Chad](https://en.wikipedia.org/wiki/Chad) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 123 | [[242]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-246) |
| 2008–2017 China hand, foot, and mouth disease epidemic | 2008–2017 | China | [Hand, foot, and mouth disease](https://en.wikipedia.org/wiki/Hand,_foot,_and_mouth_disease) | 3,322+ | [[243]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-HFMD-247) |
| 2008 India cholera epidemic | 2008 | India | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 115 | [[244]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-248) |
| 2008 Madagascar plague outbreak | 2008 | [Madagascar](https://en.wikipedia.org/wiki/Madagascar) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 18+ | [[245]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-249) |
| 2008 Philippines dengue epidemic | 2008 | [Philippines](https://en.wikipedia.org/wiki/Philippines) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 172 | [[246]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-250) |
| [2008–09 Zimbabwean cholera outbreak](https://en.wikipedia.org/wiki/2008%E2%80%9309_Zimbabwean_cholera_outbreak) | 2008–2009 | [Zimbabwe](https://en.wikipedia.org/wiki/Zimbabwe) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 4,293 | [[247]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-WHOZim-251) |
| [2009 Bolivian dengue fever epidemic](https://en.wikipedia.org/wiki/2009_Bolivian_dengue_fever_epidemic) | 2009 | [Bolivia](https://en.wikipedia.org/wiki/Bolivia) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 18 | [[248]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-252) |
| [2009 Gujarat hepatitis outbreak](https://en.wikipedia.org/wiki/2009_Gujarat_hepatitis_outbreak) | 2009 | India | [Hepatitis B](https://en.wikipedia.org/wiki/Hepatitis_B) | 49 | [[249]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-253) |
| Queensland 2009 dengue outbreak | 2009 | [Queensland](https://en.wikipedia.org/wiki/Queensland), Australia | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 1+ (503 cases) | [[250]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-254) |
| [2009–10 West African meningitis outbreak](https://en.wikipedia.org/wiki/2009%E2%80%9310_West_African_meningitis_outbreak) | 2009–2010 | [West Africa](https://en.wikipedia.org/wiki/West_Africa) | [Meningitis](https://en.wikipedia.org/wiki/Meningitis) | 1,100 | [[251]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-255) |
| [2009 swine flu pandemic](https://en.wikipedia.org/wiki/2009_swine_flu_pandemic) | 2009–2010 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Influenza A virus subtype H1N1](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H1N1) | Lab confirmed deaths: 18,449 (reported to the [WHO](https://en.wikipedia.org/wiki/World_Health_Organization))  Estimated death toll: 284,000 (possible range 151,700-575,400) | [[252]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-256)[[253]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-257) |
| [2010s Haiti cholera outbreak](https://en.wikipedia.org/wiki/2010s_Haiti_cholera_outbreak) | 2010–2019 | [Haiti](https://en.wikipedia.org/wiki/Haiti) | [Cholera](https://en.wikipedia.org/wiki/Cholera) (strain serogroup O1, serotype Ogawa) | 10,075 | [[254]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-258) |
| 2010–2014 Democratic Republic of the Congo measles outbreak | 2010–2014 | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) | [Measles](https://en.wikipedia.org/wiki/Measles) | 4,500+ | [[255]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-259)[[256]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-260) |
| 2011 Vietnam hand, foot and mouth disease epidemic | 2011 | [Vietnam](https://en.wikipedia.org/wiki/Vietnam) | [Hand, foot and mouth disease](https://en.wikipedia.org/wiki/Hand,_foot_and_mouth_disease) | 170 | [[257]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-261)[[258]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-262) |
| [2011 dengue outbreak in Pakistan](https://en.wikipedia.org/wiki/2011_dengue_outbreak_in_Pakistan) | 2011 | Pakistan | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 350+ | [[259]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-263) |
| [2012 yellow fever outbreak in Darfur, Sudan](https://en.wikipedia.org/wiki/2012_yellow_fever_outbreak_in_Darfur,_Sudan) | 2012 | [Darfur](https://en.wikipedia.org/wiki/Darfur), [Sudan](https://en.wikipedia.org/wiki/Sudan) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 171 | [[260]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-264) |
| [**2012 Middle East respiratory syndrome coronavirus outbreak**](https://en.wikipedia.org/wiki/2012_Middle_East_respiratory_syndrome_coronavirus_outbreak) | 2012 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Middle East respiratory syndrome / MERS-CoV](https://en.wikipedia.org/wiki/Middle_East_respiratory_syndrome) | 936 (as of 1 February 2021) | [[261]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-265) |
| [2013 dengue outbreak in Singapore](https://en.wikipedia.org/wiki/2013_dengue_outbreak_in_Singapore) | 2013 | [Singapore](https://en.wikipedia.org/wiki/Singapore) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 8 | [[262]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-266) |
| 2013 Vietnam measles outbreak | 2013–2014 | [Vietnam](https://en.wikipedia.org/wiki/Vietnam) | [Measles](https://en.wikipedia.org/wiki/Measles) | 142 | [[263]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-267) |
| [Western African Ebola virus epidemic](https://en.wikipedia.org/wiki/Western_African_Ebola_virus_epidemic) | 2013–2016 | [Worldwide](https://en.wikipedia.org/wiki/World), primarily concentrated in [Guinea](https://en.wikipedia.org/wiki/Guinea), [Liberia](https://en.wikipedia.org/wiki/Liberia), [Sierra Leone](https://en.wikipedia.org/wiki/Sierra_Leone) | [Ebola](https://en.wikipedia.org/wiki/Ebola)  Ebola virus virion | 11,323+ | [[264]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-268)[[265]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-269)[[266]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-270) |
| [2013–14 chikungunya outbreak](https://en.wikipedia.org/wiki/2013%E2%80%9314_chikungunya_outbreak) | 2013–2015 | [Americas](https://en.wikipedia.org/wiki/Americas) | [Chikungunya](https://en.wikipedia.org/wiki/Chikungunya) | 183 | [[267]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-271) |
| 2013–19 [Avian influenza](https://en.wikipedia.org/wiki/Avian_influenza) epidemic | 2013–2019 | China | [Influenza A virus subtype H7N9](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H7N9) | 616 | [[268]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-272) |
| [2014 Madagascar plague outbreak](https://en.wikipedia.org/wiki/2014_Madagascar_plague_outbreak) | 2014–2017 | [Madagascar](https://en.wikipedia.org/wiki/Madagascar) | [Bubonic plague](https://en.wikipedia.org/wiki/Bubonic_plague) | 292 | [[269]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-273) |
| [2014 Odisha jaundice outbreak](https://en.wikipedia.org/wiki/2014_Odisha_jaundice_outbreak) | 2014–2015 | India | Primarily [Hepatitis E](https://en.wikipedia.org/wiki/Hepatitis_E), but also [Hepatitis A](https://en.wikipedia.org/wiki/Hepatitis_A) | 36 | [[270]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Grapples-274) |
| [2015 Indian swine flu outbreak](https://en.wikipedia.org/wiki/2015_Indian_swine_flu_outbreak) | 2015 | India | [Influenza A virus subtype H1N1](https://en.wikipedia.org/wiki/Influenza_A_virus_subtype_H1N1) | 2,035 | [[271]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-THE2-275)[[272]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-DeadlySwineFlu-276)[[273]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-GJDeadlySwineFlu-277) |
| [2015–16 Zika virus epidemic](https://en.wikipedia.org/wiki/2015%E2%80%9316_Zika_virus_epidemic) | 2015–2016 | [Worldwide](https://en.wikipedia.org/wiki/World) | [Zika virus](https://en.wikipedia.org/wiki/Zika_virus) | 53 | [[274]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-278) |
| [2016 Angola and DR Congo yellow fever outbreak](https://en.wikipedia.org/wiki/2016_Angola_and_DR_Congo_yellow_fever_outbreak) | 2016 | [Angola](https://en.wikipedia.org/wiki/Angola) and [DR Congo](https://en.wikipedia.org/wiki/DR_Congo) | [Yellow fever](https://en.wikipedia.org/wiki/Yellow_fever) | 498 (377 in Angola, 121 in Congo) | [[275]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-279) |
| [**2016–2021 Yemen cholera outbreak**](https://en.wikipedia.org/wiki/2016%E2%80%932021_Yemen_cholera_outbreak) | 2016–present | [Yemen](https://en.wikipedia.org/wiki/Yemen) | [Cholera](https://en.wikipedia.org/wiki/Cholera) | 3,886 (as of 30 November 2019) | [[276]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-280) |
| [2017 dengue outbreak in Peshawar](https://en.wikipedia.org/wiki/2017_dengue_outbreak_in_Peshawar) | 2017 | [Peshawar](https://en.wikipedia.org/wiki/Peshawar), Pakistan | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 69 | [[277]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-281) |
| [2017 Gorakhpur Japanese encephalitis outbreak](https://en.wikipedia.org/wiki/2017_Gorakhpur_Japanese_encephalitis_outbreak) | 2017 | India | [Japanese encephalitis](https://en.wikipedia.org/wiki/Japanese_encephalitis) | 1,317 | [[278]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-282) |
| [2017 dengue outbreak in Sri Lanka](https://en.wikipedia.org/wiki/2017_dengue_outbreak_in_Sri_Lanka) | 2017 | [Sri Lanka](https://en.wikipedia.org/wiki/Sri_Lanka) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 440 | [[279]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-283) |
| [2017–18 United States flu season](https://en.wikipedia.org/wiki/2017%E2%80%9318_United_States_flu_season) | 2017–2018 | United States | [Seasonal influenza](https://en.wikipedia.org/wiki/Seasonal_influenza) | 61,000 (46,000–95,000)[[280]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-284) | [[281]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-285)[[282]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-286)[[283]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-287) |
| [2018 Nipah virus outbreak in Kerala](https://en.wikipedia.org/wiki/2018_Nipah_virus_outbreak_in_Kerala) | 2018 | India | [Nipah virus infection](https://en.wikipedia.org/wiki/Nipah_virus_infection) | 17 | [[284]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-288) |
| [Kivu Ebola epidemic](https://en.wikipedia.org/wiki/Kivu_Ebola_epidemic) | 2018–2020 | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) and [Uganda](https://en.wikipedia.org/wiki/Uganda) | [Ebola](https://en.wikipedia.org/wiki/Ebola) | 2,280 | [[285]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-289)[[286]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-290)[[287]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-291) |
| **2018 NDM-CRE outbreak in Italy** | 2018–present | Italy | [New Delhi metallo-beta-lactamase](https://en.wikipedia.org/wiki/New_Delhi_metallo-beta-lactamase_1)-producing [Carbapenem-resistant enterobacteriaceae](https://en.wikipedia.org/wiki/Carbapenem-resistant_enterobacteriaceae) | 31 (as of September 2019) | [[288]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-292) |
| [2019 measles outbreak in the Democratic Republic of the Congo](https://en.wikipedia.org/wiki/2019_measles_outbreak_in_the_Democratic_Republic_of_the_Congo) | 2019–2020 | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) | [Measles](https://en.wikipedia.org/wiki/Measles) | 7,018+ | [[289]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-293) |
| [2019–2020 New Zealand measles outbreak](https://en.wikipedia.org/wiki/2019%E2%80%932020_New_Zealand_measles_outbreak) | 2019–2020 | New Zealand | [Measles](https://en.wikipedia.org/wiki/Measles) | 2 | [[290]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-NZmeasles-294) |
| [2019 Philippines measles outbreak](https://en.wikipedia.org/wiki/2019_Philippines_measles_outbreak) | 2019 | [Philippines](https://en.wikipedia.org/wiki/Philippines) | [Measles](https://en.wikipedia.org/wiki/Measles) | 415 | [[291]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-295) |
| [2019 Kuala Koh measles outbreak](https://en.wikipedia.org/wiki/2019_Kuala_Koh_measles_outbreak) | 2019 | Kuala Koh, [Malaysia](https://en.wikipedia.org/wiki/Malaysia) | [Measles](https://en.wikipedia.org/wiki/Measles) | 15 | [[292]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-296) |
| [**2019 Samoa measles outbreak**](https://en.wikipedia.org/wiki/2019_Samoa_measles_outbreak) | 2019–present | [Samoa](https://en.wikipedia.org/wiki/Samoa) | [Measles](https://en.wikipedia.org/wiki/Measles) | 83 | [[293]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-Samoa83-297) |
| [**2019–20 dengue fever epidemic**](https://en.wikipedia.org/wiki/2019%E2%80%9320_dengue_fever_epidemic) | 2019–present | [Asia-Pacific](https://en.wikipedia.org/wiki/Asia-Pacific), [Latin America](https://en.wikipedia.org/wiki/Latin_America) | [Dengue fever](https://en.wikipedia.org/wiki/Dengue_fever) | 3,930 | [[294]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-298) |
| [**COVID-19 pandemic**](https://en.wikipedia.org/wiki/COVID-19_pandemic) | 2019–present | [Worldwide](https://en.wikipedia.org/wiki/World) | [Coronavirus disease 2019 / COVID-19](https://en.wikipedia.org/wiki/Coronavirus_disease_2019)  [SARS-CoV-2](https://en.wikipedia.org/wiki/Severe_acute_respiratory_syndrome_coronavirus_2)virus | 3.2 million+ (as of May 2021) | [[295]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-299) |
| **2019 Nigeria lassa fever epidemic** | 2019–present | [Nigeria](https://en.wikipedia.org/wiki/Nigeria) | [Lassa fever](https://en.wikipedia.org/wiki/Lassa_fever) | 246 (as of January 2021) | [[296]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-300) |
| [2020 Democratic Republic of the Congo Ebola outbreak](https://en.wikipedia.org/wiki/Kivu_Ebola_epidemic#2020_Équateur_Province_outbreak_and_other_regional_health_issues) | 2020 | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) | [Ebola](https://en.wikipedia.org/wiki/Ebola) | 55 | [[297]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-301) |
| **2020 Nigeria yellow fever epidemic** | 2020–present | [Nigeria](https://en.wikipedia.org/wiki/Nigeria) | [Yellow Fever](https://en.wikipedia.org/wiki/Yellow_Fever) | 296 (as of 31 December 2020) | [[298]](https://en.wikipedia.org/wiki/List_of_epidemics#cite_note-302) |

Chronology[[edit](https://en.wikipedia.org/w/index.php?title=List_of_epidemics&action=edit&section=2)]

Events in **boldface** are ongoing.

See also

[***Pandemic portal***](https://en.wikipedia.org/wiki/Portal:Pandemic)

* [Globalization and disease](https://en.wikipedia.org/wiki/Globalization_and_disease) – Overview of globalization and disease transmission
* [History of smallpox](https://en.wikipedia.org/wiki/History_of_smallpox) – Impact of smallpox on world history
* [List of Ebola outbreaks](https://en.wikipedia.org/wiki/List_of_Ebola_outbreaks) – Cases and outbreaks of Ebola virus disease
* [Timeline of plague](https://en.wikipedia.org/wiki/Timeline_of_plague)

References[[edit](https://en.wikipedia.org/w/index.php?title=List_of_epidemics&action=edit&section=5)]

* 1. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Green_1-0) *Green MS; Swartz T; Mayshar E; Lev B; Leventhal A; Slater PE; Shemer Js (January 2002). "When is an epidemic an epidemic?". Isr. Med. Assoc. J.****4****(1): 3–6.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11802306*](https://pubmed.ncbi.nlm.nih.gov/11802306)*.*
  2. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:03_2-0) *Frith, John.*[*"History of Tuberculosis. Part 1 – Phthisis, consumption and the White Plague"*](https://jmvh.org/article/history-of-tuberculosis-part-1-phthisis-consumption-and-the-white-plague/)*. Journal of Military and Veterans’ Health. Retrieved 2021-02-26.*
  3. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:52_3-0) *Zürcher, Kathrin; Zwahlen, Marcel; Ballif, Marie; Rieder, Hans L.; Egger, Matthias; Fenner, Lukas (2016-10-05).*[*"Influenza Pandemics and Tuberculosis Mortality in 1889 and 1918: Analysis of Historical Data from Switzerland"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5051959)*.PLOS ONE.****11****(10): e0162575.*[*Bibcode*](https://en.wikipedia.org/wiki/Bibcode_(identifier))*:*[*2016PLoSO..1162575Z*](https://ui.adsabs.harvard.edu/abs/2016PLoSO..1162575Z)*.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1371/journal.pone.0162575*](https://doi.org/10.1371%2Fjournal.pone.0162575)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*1932-6203*](https://www.worldcat.org/issn/1932-6203)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5051959*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5051959)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*27706149*](https://pubmed.ncbi.nlm.nih.gov/27706149)*.*
  4. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:8_4-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:8_4-1) [*"Tuberculosis"*](https://www.who.int/health-topics/tuberculosis#tab=tab_1)*. World Health Organization. Retrieved 2021-02-26.*
  5. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-5) *Centers for Disease Control and Prevention (CDC) (2012-07-06).*[*"CDC Grand Rounds: the TB/HIV syndemic"*](https://pubmed.ncbi.nlm.nih.gov/22763886/)*. MMWR. Morbidity and Mortality Weekly Report.****61****(26): 484–489.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*1545-861X*](https://www.worldcat.org/issn/1545-861X)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*22763886*](https://pubmed.ncbi.nlm.nih.gov/22763886)*.*
  6. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:5_6-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:5_6-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:5_6-2) [***d***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:5_6-3) [*"World Population by Year"*](https://www.worldometers.info/world-population/world-population-by-year/)*.*[*Worldometer*](https://en.wikipedia.org/wiki/Worldometer)*. Retrieved 2021-02-20.*
  7. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-2) [***d***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-3) [***e***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-4) [***f***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-5) [***g***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-6) [***h***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-7) [***i***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:9_7-8) [*"World Population History"*](https://worldpopulationhistory.org/)*. World Population. Retrieved2021-03-01.*
  8. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-9) *Wade, Lizzie (2020-05-14).*[*"From Black Death to fatal flu, past pandemics show why people on the margins suffer most"*](https://www.sciencemag.org/news/2020/05/black-death-fatal-flu-past-pandemics-show-why-people-margins-suffer-most)*. Science. Retrieved 2021-02-06.*
  9. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-10) [*"The Spanish flu (1918-20): The global impact of the largest influenza pandemic in history"*](https://ourworldindata.org/spanish-flu-largest-influenza-pandemic-in-history)*. Our World in Data. Retrieved 2021-02-06.*
  10. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-11) [*"Compare: 1918 Spanish Influenza Pandemic Versus COVID-19"*](https://www.biospace.com/article/compare-1918-spanish-influenza-pandemic-versus-covid-19/)*. BioSpace. Retrieved 2021-02-25.*
  11. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:4_12-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:4_12-1) *Mordechai, Lee; Eisenberg, Merle; Newfield, Timothy P.; Izdebski, Adam; Kay, Janet E.; Poinar, Hendrik (2019-12-17).*[*"The Justinianic Plague: An inconsequential pandemic?"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6926030)*. Proceedings of the National Academy of Sciences.****116****(51): 25546–25554.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1073/pnas.1903797116*](https://doi.org/10.1073%2Fpnas.1903797116)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0027-8424*](https://www.worldcat.org/issn/0027-8424)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*6926030*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6926030)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*31792176*](https://pubmed.ncbi.nlm.nih.gov/31792176)*.*
  12. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Megadrought_and_Megadeath_in_16th_Century_Mexico_14-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Megadrought_and_Megadeath_in_16th_Century_Mexico_14-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Megadrought_and_Megadeath_in_16th_Century_Mexico_14-2) [***d***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Megadrought_and_Megadeath_in_16th_Century_Mexico_14-3) *Acuna-Soto, R.; Stahle, D. W.; Cleaveland, M. K.; Therrell, M. D. (April 8, 2002).*[*"Megadrought and Megadeath in 16th Century Mexico"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730237)*. Emerging Infectious Diseases.****8****(4): 360–362.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid0804.010175*](https://doi.org/10.3201%2Feid0804.010175)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2730237*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730237)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11971767*](https://pubmed.ncbi.nlm.nih.gov/11971767)*.*
  13. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-15) [*"Antonine Plague"*](https://www.worldhistory.org/Antonine_Plague/)*.*[*World History Encyclopedia*](https://en.wikipedia.org/wiki/World_History_Encyclopedia)*. Retrieved 2021-02-06.*
  14. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-16) [*"Compare: 1918 Spanish Influenza Pandemic Versus COVID-19"*](https://www.biospace.com/article/compare-1918-spanish-influenza-pandemic-versus-covid-19/)*. BioSpace. Retrieved 2021-02-25.*
  15. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-18) [*"Population of Russia"*](https://www.tacitus.nu/historical-atlas/population/russia.htm)*. www.tacitus.nu. Retrieved 2021-03-01.*
  16. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Suzuki_19-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Suzuki_19-1) *Suzuki, A. (2011).*[*"Smallpox and the epidemiological heritage of modern Japan: Towards a total history"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3143877)*. Medical History.****55****(3): 313–318.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1017/S0025727300005329*](https://doi.org/10.1017%2FS0025727300005329)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3143877*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3143877)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*21792253*](https://pubmed.ncbi.nlm.nih.gov/21792253)*.*
  17. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-flu_21-0) Mouritz, A. (1921). [*The Flu*](http://www.gutenberg.org/ebooks/61607). Retrieved April 5, 2020.
  18. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-22) [*"Pandemics That Changed History"*](https://web.archive.org/web/20200303184702/https:/www.history.com/topics/middle-ages/pandemics-timeline)*. History.com. Archived from*[*the original*](https://www.history.com/topics/middle-ages/pandemics-timeline)*on 2020-03-03. Retrieved 2020-04-14.*
  19. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-23) [*"Plague of Athens: Another Medical Mystery Solved at University of Maryland"*](https://web.archive.org/web/20151204030552/http:/umm.edu/news-and-events/news-releases/1999/plague-of-athens-another-medical-mystery-solved-at-university-of-maryland)*. University of Maryland Medical Center. Archived from*[*the original*](http://umm.edu/news-and-events/news-releases/1999/plague-of-athens-another-medical-mystery-solved-at-university-of-maryland)*on 2015-12-04. Retrieved 2016-02-10.*
  20. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-24) *Papagrigorakis, Manolis J.; Yapijakis, Christos; Synodinos, Philippos N.; Baziotopoulou-Valavani, Effie (2007).*[*"DNA examination of ancient dental pulp incriminates typhoid fever as a probable cause of the Plague of Athens"*](https://doi.org/10.1016%2Fj.ijid.2005.09.001)*.International Journal of Infectious Diseases.****10****(3): 206–214.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/j.ijid.2005.09.001*](https://doi.org/10.1016%2Fj.ijid.2005.09.001)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*16412683*](https://pubmed.ncbi.nlm.nih.gov/16412683)*.*
  21. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-25) *Olson, PE; Hames, CS; Benenson, AS; Genovese, EN (1996).*[*"The Thucydides syndrome: Ebola déjà vu? (or Ebola reemergent?)"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2639821)*. Emerging Infectious Diseases.****2****(2): 155–156.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid0202.960220*](https://doi.org/10.3201%2Feid0202.960220)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2639821*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2639821)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*8964060*](https://pubmed.ncbi.nlm.nih.gov/8964060)*.*
  22. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-26) *Potter, C. W. (2002). "Foreword". Influenza.*[*Elsevier Science*](https://en.wikipedia.org/wiki/Elsevier_Science)*. p. vii.*
  23. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-27) [*"Reactions to Plague in the Ancient & Medieval World"*](https://www.worldhistory.org/article/1534/reactions-to-plague-in-the-ancient--medieval-world/)*.*[*World History Encyclopedia*](https://en.wikipedia.org/wiki/World_History_Encyclopedia)*. Retrieved 2021-02-06.*
  24. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-28) ["Past pandemics that ravaged Europe"](http://news.bbc.co.uk/2/hi/health/4381924.stm) [Archived](https://web.archive.org/web/20171007210210/http:/news.bbc.co.uk/2/hi/health/4381924.stm) 2017-10-07 at the[Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), BBC News, 7 November 2005
  25. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-29) *Mazanec, Thomas J. (2020-09-01).*[*"Review: The Halberd at Red Cliff: Jian'an and the Three Kingdoms, by Xiaofei Tian"*](https://online.ucpress.edu/SLA/article/4/3/353/110917/Review-The-Halberd-at-Red-Cliff-Jian-an-and-the)*. Studies in Late Antiquity.****4****(3): 353–359.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1525/sla.2020.4.3.353*](https://doi.org/10.1525%2Fsla.2020.4.3.353)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*2470-6469*](https://www.worldcat.org/issn/2470-6469)*.*
  26. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-30) *Tian, Xiaofei (2018-10-14).*[*Plague and Poetry: Rethinking Jian'an*](https://brill.com/view/book/9781684170920/BP000003.xml)*. Brill.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-68417-092-0*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-68417-092-0)*.*
  27. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-31) D. Ch. Stathakopoulos *Famine and Pestilence in the late Roman and early Byzantine Empire* (2007) 95
  28. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-32) *Harper, Kyle (1 November 2017).*[*"Solving the Mystery of an Ancient Roman Plague"*](https://www.theatlantic.com/science/archive/2017/11/solving-the-mystery-of-an-ancient-roman-plague/543528/)*. The Atlantic. Retrieved 20 March 2020.*
  29. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-33) *Tharoor, Ishaan (2010-10-26).*[*"Top 10 Terrible Epidemics - TIME"*](http://content.time.com/time/specials/packages/article/0,28804,2027479_2027486_2027546,00.html)*. Time.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0040-781X*](https://www.worldcat.org/issn/0040-781X)*. Retrieved 2020-12-29.*
  30. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-34) *Maugh, Thomas.*[*"An Empire's Epidemic"*](https://www.ph.ucla.edu/epi/bioter/anempiresepidemic.html)*. University of California, Los Angeles. Retrieved 20 March 2020.*
  31. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-35) *Frerichs, Ralph R.*[*"An Empire's Epidemic"*](http://www.ph.ucla.edu/epi/bioter/anempiresepidemic.html)*. Ph.ucla.edu. Retrieved 7 July2018.*
  32. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Turner1990_36-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Turner1990_36-1) *Turner, David (November 1990). "The Politics of Despair: The Plague of 746–747 and Iconoclasm in the Byzantine Empire1". Annual of the British School at Athens.****85****: 419–434.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1017/S006824540001577X*](https://doi.org/10.1017%2FS006824540001577X)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*2045-2403*](https://www.worldcat.org/issn/2045-2403)*.*
  33. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Maddicott1997_37-0) *Maddicott, J. R. (1 August 1997).*[*"Plague in seventh century England"*](https://academic.oup.com/past/article/156/1/7/1438455)*. Past & Present.****156****(1): 7–54.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1093/past/156.1.7*](https://doi.org/10.1093%2Fpast%2F156.1.7)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0031-2746*](https://www.worldcat.org/issn/0031-2746)*.*
  34. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Little_38-0) *Little, Little (2007). Plague and the end of Antiquity. Cambridge: Cambridge University Press. p. 104.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-521-84639-4*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-521-84639-4)*.*
  35. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Kohn_39-0) *Kohn, George C. (2002). Encyclopedia of Plague and Pestilence: From Ancient Times to the Present. Princeton, New Jersey: Checkmark Books. p. 213.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0816048939*](https://en.wikipedia.org/wiki/Special:BookSources/978-0816048939)*.*
  36. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-40) *Austin Alchon, Suzanne (2003).*[*A pest in the land: new world epidemics in a global perspective*](https://books.google.com/books?id=YiHHnV08ebkC&pg=PA21)*. University of New Mexico Press. p. 21.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-8263-2871-7*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-8263-2871-7)*.*[*Archived*](https://web.archive.org/web/20190401101639/https:/books.google.com/books?id=YiHHnV08ebkC&pg=PA21#v=onepage)*from the original on 2019-04-01. Retrieved 2016-04-22.*
  37. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-41) *Heyman, Paul; Simons, Leopold; Cochez, Christel (7 January 2014).*[*"Were the English Sweating Sickness and the Picardy Sweat Caused by Hantaviruses?"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3917436)*.Viruses.****6****(1): 151–171.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3390/v6010151*](https://doi.org/10.3390%2Fv6010151)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3917436*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3917436)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*24402305*](https://pubmed.ncbi.nlm.nih.gov/24402305)*.*
  38. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Typhus,_War,_and_Vaccines_42-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Typhus,_War,_and_Vaccines_42-1) [*"Typhus, War, and Vaccines"*](http://www.historyofvaccines.org/content/blog/typhus-war-and-vaccines)*. historyofvaccines.org. 16 March 2016. Retrieved 12 May 2020.*
  39. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-43) *Morens, David; North, Michael; Taubenberger, Jeffrey (4 December 2011).*[*"Eyewitness accounts of the 1510 influenza pandemic in Europe"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3180818)*. Lancet.****367****(9756): 1894–1895.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/s0140-6736(10)62204-0*](https://doi.org/10.1016%2Fs0140-6736%2810%2962204-0)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3180818*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3180818)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*21155080*](https://pubmed.ncbi.nlm.nih.gov/21155080)*.*
  40. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-American_plague_44-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-American_plague_44-1) [*"American plague"*](https://www.newscientist.com/article/dn268-american-plague/)*. New Scientist. December 19, 2000.*[*Archived*](https://web.archive.org/web/20181017163205/https:/www.newscientist.com/article/dn268-american-plague/)*from the original on October 17, 2018. Retrieved October 17, 2018.*
  41. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Acuna-SotoRomero2000_45-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Acuna-SotoRomero2000_45-1) *Acuna-Soto, R.; Romero, L. C.; Maguire, J. H. (2000).*[*"Large epidemics of hemorrhagic fevers in Mexico 1545–1815"*](https://doi.org/10.4269%2Fajtmh.2000.62.733)*. The American Journal of Tropical Medicine and Hygiene.****62****(6): 733–739.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.4269/ajtmh.2000.62.733*](https://doi.org/10.4269%2Fajtmh.2000.62.733)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11304065*](https://pubmed.ncbi.nlm.nih.gov/11304065)*.*
  42. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Acuna-SotoStahle2002_46-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Acuna-SotoStahle2002_46-1) *Acuna-Soto, Rodolfo; Stahle, D. W.; Cleaveland, M. K.; Therrell, M. D. (2002).*[*"Megadrought and Megadeath in 16th Century Mexico"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730237)*. Emerging Infectious Diseases.****8****(4): 360–362.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid0804.010175*](https://doi.org/10.3201%2Feid0804.010175)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2730237*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2730237)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11971767*](https://pubmed.ncbi.nlm.nih.gov/11971767)*.*
  43. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-sal_47-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-sal_47-1) *Vågene, Åshild J.; Herbig, Alexander; Campana, Michael G.; Robles García, Nelly M.; Warinner, Christina; Sabin, Susanna; Spyrou, Maria A.; Andrades Valtueña, Aida; Huson, Daniel; Tuross, Noreen; Bos, Kirsten I.; Krause, Johannes (2018). "Salmonella enterica genomes from victims of a major sixteenth-century epidemic in Mexico". Nature Ecology & Evolution.****2****(3): 520–528.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1038/s41559-017-0446-6*](https://doi.org/10.1038%2Fs41559-017-0446-6)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*29335577*](https://pubmed.ncbi.nlm.nih.gov/29335577)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*3358440*](https://api.semanticscholar.org/CorpusID:3358440)*.*
  44. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-48) Alonso de Góngora Marmolejo [Historia de Chile desde su descubrimiento hasta el año 1575](http://www.cervantesvirtual.com/servlet/SirveObras/bameric/02582741011358306311291/p0000003.htm#I_34_). Cervantesvirtual.com. Retrieved on 2011-12-06.
  45. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-49) *Creighton, Charles (1891).*[*A History of Epidemics in Britain*](https://play.google.com/books/reader?id=kRMLAAAAIAAJ&printsec=frontcover&pg=GBS.PA309)*. Cambridge, UK: Cambridge University Press. p. 305.*
  46. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-50) [*"Plague. The fourth horseman – Historic epidemics and their impact in Tenerife"*](https://www.museosdetenerife.org/assets/downloads/publication-f11acf7d04.pdf)*(PDF) (in Spanish). p. 28. Retrieved 15 May 2020.*
  47. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-51) [*"American Indian Epidemics"*](https://web.archive.org/web/20150214060648/http:/www.kporterfield.com/aicttw/articles/disease.html)*. Archived from*[*the original*](http://www.kporterfield.com/aicttw/articles/disease.html)*on February 14, 2015.*
  48. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-52) [*"Our Heritage Saved: St Roque Chapel"*](https://web.archive.org/web/20200313042952/https:/www.independent.com.mt/articles/2007-05-30/local-news/Our-Heritage-Saved:-St-Roque-Chapel-174165)*.*[*The Malta Independent*](https://en.wikipedia.org/wiki/The_Malta_Independent)*. 30 May 2007. Archived from*[*the original*](https://www.independent.com.mt/articles/2007-05-30/local-news/Our-Heritage-Saved:-St-Roque-Chapel-174165)*on 13 March 2020.*
  49. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-53) [*Creighton, Charles*](https://en.wikipedia.org/wiki/Charles_Creighton_(physician))*(November 1891).*[*A History of Epidemics in Britain: From A.D 664 to the Extinction of Plague*](https://archive.org/stream/historyofepidemi01crei#page/350/mode/2up)*. Cambridge, UK: Cambridge University Press. pp. 353–354.*
  50. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-54) [*"A History of Spain"*](http://libro.uca.edu/payne1/payne15.htm)*.*[*Archived*](https://web.archive.org/web/20170327015606/http:/libro.uca.edu/payne1/payne15.htm)*from the original on 27 March 2017. Retrieved 16 November 2014.*
  51. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-55) [*"The Death of Queen Elizabeth I, the Return of the Black Plague, the Rise of Shakespeare, Piracy, Witchcraft, and the Birth of the Stuart Era"*](https://us.macmillan.com/books/9781466864504)*. Retrieved11 May 2020.*
  52. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-56) [*"Worst Diseases in Shakespeare's London"*](http://www.shakespeare-online.com/biography/londondisease.html)*. Retrieved 11 May 2020.*
  53. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-57) Bell, Walter George (1951). Belinda Hollyer (ed.). The great Plague in London (folio society ed.). Folio society by arrangement with Random House. pp. 3–5
  54. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-58) *Marr, John S.; Cathey, John T. (2010).*[*"New Hypothesis for Cause of Epidemic among Native Americans, New England, 1616–1619"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2957993)*. Emerging Infectious Diseases.****16****(2): 281–286.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid1602.090276*](https://doi.org/10.3201%2Feid1602.090276)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2957993*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2957993)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*20113559*](https://pubmed.ncbi.nlm.nih.gov/20113559)*.*
  55. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-59) *Mann, Charles C. (December 2005).*[*"Native intelligence"*](https://www.smithsonianmag.com/history/native-intelligence-109314481/)*.*[*Archived*](https://web.archive.org/web/20181123170227/https:/www.smithsonianmag.com/history/native-intelligence-109314481/)*from the original on 2018-11-23. Retrieved 2018-10-17.*
  56. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays_60-0) *Hays, J. N. (2005).*[*Epidemics and pandemics their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. Santa Barbara, CA: ABC-CLIO. p.*[*103*](https://archive.org/details/epidemicspandemi0000hays/page/103)*.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1851096589*](https://en.wikipedia.org/wiki/Special:BookSources/978-1851096589)*.*
  57. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-61) *Eckert, Edward-A. (1978).*[*Annales de Démographie Historique*](https://www.persee.fr/doc/adh_0066-2062_1978_num_1978_1_1378)*. p. 55. Retrieved 14 May 2020.*
  58. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-62) [*"1633–34 — Smallpox Epidemic, New England Natives, Plymouth Colonists, MA –>1000"*](https://www.usdeadlyevents.com/1633-34-smallpox-epidemic-new-england-natives-plymouth-colonists-ma-1000)*. usdeadlyevents.com. Retrieved 13 May 2020.*
  59. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-63) *Johansen, Bruce E. (2015).*[*American Indian Culture: From Counting Coup to Wampum [2 volumes]: From Counting Coup to Wampum*](https://books.google.com/books?id=mw-FCgAAQBAJ&q=wyandot+people++smallpox+1630&pg=PA88)*. ABC-CLIO. p. 88.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-4408-2874-4*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-4408-2874-4)*. Retrieved 12 February 2020.*
  60. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-64) *Newman, Kira L. S. (2012). "Shutt up: bubonic plague and quarantine in early modern England". Journal of Social History.****45****(3): 809–834.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1093/jsh/shr114*](https://doi.org/10.1093%2Fjsh%2Fshr114)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0022-4529*](https://www.worldcat.org/issn/0022-4529)*.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*41678910*](https://www.jstor.org/stable/41678910)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*22611587*](https://pubmed.ncbi.nlm.nih.gov/22611587)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*24952354*](https://api.semanticscholar.org/CorpusID:24952354)*.*
  61. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:12_65-0) *Ch’iu, Chung-lin.*[*"The Epidemics in Ming Beijing and the Responses from the Empire's Public Health System"*](http://www.ihp.sinica.edu.tw/~bihp/75/75.2/chiu.htm)*. 中央研究院歷史語言研究所集刊 (in Chinese): 331–388.*
  62. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Brook1999_66-0) *Timothy Brook (1999).*[*The Confusions of Pleasure: Commerce and Culture in Ming China*](https://books.google.com/books?id=YuMcHWWbXqMC&pg=PA163)*. University of California Press. p. 163.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-520-22154-3*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-520-22154-3)*. Retrieved 31 March 2011.*
  63. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-67) [Stanley G. Payne: A History of Spain and Portugal Volume 1, Ch 15 The Seventeenth-Century Decline](http://libro.uca.edu/payne1/payne15.htm) *THE LIBRARY OF IBERIAN RESOURCES ONLINE*, accessed 26 May 2020
  64. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-68) *Rogers, D.J.; Wilson, A.J.; Hay, S.I.; Graham, A.J. (2006).*[*"The Global Distribution of Yellow Fever and Dengue"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3164798)*. Advances in Parasitology.****62****: 181–220.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/S0065-308X(05)62006-4*](https://doi.org/10.1016%2FS0065-308X%2805%2962006-4)*.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*9780120317622*](https://en.wikipedia.org/wiki/Special:BookSources/9780120317622)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0065-308X*](https://www.worldcat.org/issn/0065-308X)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3164798*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3164798)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*16647971*](https://pubmed.ncbi.nlm.nih.gov/16647971)*.*
  65. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-69) *Scasciamacchia, Silvia; Serrecchia, Luigina; Giangrossi, Luigi; Garofolo, Giuliano; Balestrucci, Antonio; Sammartino, Gilberto; Fasanella, Antonio (2012).*[*"Plague Epidemic in the Kingdom of Naples, 1656–1658"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3310102)*. Emerging Infectious Diseases.****18****(1): 186–188.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid1801.110597*](https://doi.org/10.3201%2Feid1801.110597)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3310102*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3310102)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*22260781*](https://pubmed.ncbi.nlm.nih.gov/22260781)*.*
  66. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-70) [*"De pest"*](https://www.amsterdam.nl/stadsarchief/stukken/rampen/pest)*(in Dutch). 23 April 2019. Retrieved 13 May 2020.*
  67. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-71) *Ross, David.*[*"UK travel and heritage – Britain Express UK travel guide"*](http://www.britainexpress.com/History/plague.htm)*. The London Plague of 1665.*[*Archived*](https://web.archive.org/web/20190526192602/https:/www.britainexpress.com/History/plague.htm)*from the original on 26 May 2019. Retrieved14 July 2011.*
  68. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-72) *Archives, The National.*[*"Great Plague of 1665–1666 – The National Archives"*](http://www.nationalarchives.gov.uk/education/resources/great-plague/)*.*[*Archived*](https://web.archive.org/web/20160428020939/http:/www.nationalarchives.gov.uk/education/resources/great-plague/)*from the original on 28 April 2016. Retrieved 4 July 2016.*
  69. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-73) *Jones, Colin (1996). "Plague and Its Metaphors in Early Modern France".Representations.****53****(53): 97–127.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.2307/2928672*](https://doi.org/10.2307%2F2928672)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0734-6018*](https://www.worldcat.org/issn/0734-6018)*.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*2928672*](https://www.jstor.org/stable/2928672)*.*
  70. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-74) *Grima, Noel (19 June 2017).*[*"The 1676 plague in Malta"*](https://web.archive.org/web/20171112063500/http:/www.independent.com.mt/articles/2017-06-19/newspaper-lifestyleculture/The-1676-plague-in-Malta-6736175628)*.*[*The Malta Independent*](https://en.wikipedia.org/wiki/The_Malta_Independent)*. Archived from*[*the original*](http://www.independent.com.mt/articles/2017-06-19/newspaper-lifestyleculture/The-1676-plague-in-Malta-6736175628)*on 12 November 2017.*
  71. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-75) *Casey, James (1999).*[*Early Modern Spain: A Social History*](https://books.google.com/books?id=mZJ8RnDhkgwC&q=plague+spain+1676&pg=PA37)*. Psychology Press. p. 37.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-415-13813-0*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-415-13813-0)*. Retrieved 12 February 2020.*
  72. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-76) [*"1677–1678 — Smallpox Epidemic, Massachusetts Bay Colony, esp. Boston & vic. –750-1,000"*](https://www.usdeadlyevents.com/1677-1678-smallpox-epidemic-massachusetts-bay-colony-esp-boston-vic-750-1000)*. usdeadlyevents. Retrieved 17 May 2020.*
  73. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-EB1911_77-0) *Payne, Joseph Frank (1911).*[*"Plague"*](https://en.wikisource.org/wiki/1911_Encyclop%C3%A6dia_Britannica/Plague)*. In Chisholm, Hugh (ed.).*[*Encyclopædia Britannica*](https://en.wikipedia.org/wiki/Encyclop%C3%A6dia_Britannica_Eleventh_Edition)*.****21****(11th ed.). Cambridge University Press. p. 696.*
  74. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-78) [*"Plague"*](https://www.britannica.com/science/plague/History)*. britannica. Retrieved 14 May 2020.*
  75. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-79) History of South Africa 1486–1691, George McCall Theal, London, pub. Swan Sonnenschein, 1888. p. 332 *"Towards the beginning of the winter of 1687 the colony was visited by a destructive disease, a kind of fever which carried off many of the inhabitants. The natives suffered very..."*
  76. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-80) [*"1693 — June 17 start, Yellow Fever, Boston, British fleet arrival from Martinique[1] — <10?"*](https://www.usdeadlyevents.com/1693-june-17-start-yellow-fever-boston-british-fleet-arrival-from-martinique)*. Retrieved 12 May 2020.*
  77. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-81) [*"1699 — Yellow Fever Epidemics Charleston, SC(170–311); Philadelphia (220) –390 – 531"*](https://www.usdeadlyevents.com/1699-yellow-fever-epidemics-charleston-sc170-311-philadelphia-220-390-531)*. Retrieved 12 May 2020.*
  78. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-82) [*"1702 — Summer to late Fall, Yellow Fever Epidemic, New York City, NY −500-570"*](https://www.usdeadlyevents.com/1702-summer-to-late-fall-yellow-fever-epidemic-new-york-city-ny-500-570)*. Retrieved 12 May 2020.*
  79. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-83) *Desjardins, Bertrand (1996).*[*"Demographic Aspects of the 1702–1703 Smallpox Epidemic in the St. Lawrence Valley"*](https://doi.org/10.25336%2FP6459C)*. Canadian Studies in Population.****23****(1): 49–67.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.25336/P6459C*](https://doi.org/10.25336%2FP6459C)*.*
  80. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p131_84-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 131.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  81. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-85) *Sticker, Georg (1908).*[*Die Pest*](https://archive.org/details/abhandlungenausd01stic)*. Abhandlungen aus der Seuchengeschichte und Seuchenlehre.****1****. Gießen: A. Töpelmann (vormals J. Ricker). p. 213.*
  82. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-86) *Kroll, Stefan; Grabinsky, Anne.*[*"Städtesystem und Urbanisierung im Ostseeraum in der Neuzeit – Historisches Informationssystem und Analyse von Demografie, Wirtschaft und Baukultur im 17. und 18. Jahrhundert. B: Komplexe Historische Informationssysteme. B2: Der letzte Ausbruch der Pest im Ostseeraum zu Beginn des 18. Jahrhunderts. Chronologie des Seuchenzugs und Bestandsaufnahme überlieferter Sterbeziffern. Karte"*](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Karte.html)*.*[*University of Rostock*](https://en.wikipedia.org/wiki/University_of_Rostock)*. Retrieved 2012-08-14.*  
      Specific sections: [Danzig](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Danzig.html); [Königsberg](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/K%C3%B6nigsberg.html); [Stettin](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Stettin.html); [Memel](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Memel.html); [Tilsit](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Tilsit.html); [Narva](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Narva.html);[Stargard](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Stargard.html); [Riga](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Riga.html); [Pernau](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Pernau.html); [Reval](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Reval.html); [Stralsund](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Stralsund.html); [Stockholm](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Stockholm.html); [Visby](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Visby.html);[Linköping](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Linkoeping.html); [Jönköping](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Joenkoeping.html); [Ystad](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Ystad.html); [Malmö](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Malmoe.html); [Helsingør](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Helsingoer.html); [Kopenhagen](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Kopenhagen.html);[Hamburg](https://www.phf.uni-rostock.de/imd/Forschung/HomeMare2/Seuchenzug/Staedte/Hamburg.html)
  83. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-87) *Morens, David M. (2015).*[*"The Past Is Never Dead – Measles Epidemic, Boston, Massachusetts, 1713"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4480406)*. Emerging Infectious Diseases.****21****(7): 1257–1260.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid2107.150397*](https://doi.org/10.3201%2Feid2107.150397)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*4480406*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4480406)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*26277799*](https://pubmed.ncbi.nlm.nih.gov/26277799)*.*
  84. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-88) *Mazan, Ryan; Gagnon, Alain; Desjardins, Bertrand (2009).*[*"The Measles Epidemic of 1714–1715 in New France"*](https://doi.org/10.25336%2FP63P5Q)*. Canadian Studies in Population.****36****(3–4): 295–323.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.25336/P63P5Q*](https://doi.org/10.25336%2FP63P5Q)*.*
  85. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-89) *Devaux, Christian A. (2013). "Small oversights that led to the Great Plague of Marseille (1720–1723): Lessons from the past". Infection, Genetics and Evolution.****14****: 169–185.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/j.meegid.2012.11.016*](https://doi.org/10.1016%2Fj.meegid.2012.11.016)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*23246639*](https://pubmed.ncbi.nlm.nih.gov/23246639)*.*
  86. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-90) [*"Zabdiel Boylston and inoculation"*](http://www.todayinsci.com/B/Boylston_Zabdiel/Boylston_Zabdiel.htm)*.*[*Archived*](https://web.archive.org/web/20150905143618/http:/www.todayinsci.com/B/Boylston_Zabdiel/Boylston_Zabdiel.htm)*from the original on 5 September 2015. Retrieved 16 November 2014.*
  87. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-91) [*"Yellow Fever Timeline: The History Of A Long Misunderstood Disease"*](https://www.npr.org/sections/goatsandsoda/2016/08/28/491471697/yellow-fever-timeline-the-history-of-a-long-misunderstood-disease)*. 28 August 2016. Retrieved 12 May 2020.*
  88. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-TurningPoints_92-0) [*"Ambrosevideo.com"*](http://www.ambrosevideo.com/items.cfm?id=1071)*.*[*Archived*](https://web.archive.org/web/20160417075306/http:/www.ambrosevideo.com/items.cfm?id=1071)*from the original on 2016-04-17. Retrieved2011-03-27.*
  89. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-93) *Gagnon, Alain; Mazan, Ryan (2009). "Does exposure to infectious diseases in infancy affect old-age mortality? Evidence from a pre-industrial population". Social Science & Medicine.****68****(9): 1609–1616.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/j.socscimed.2009.02.008*](https://doi.org/10.1016%2Fj.socscimed.2009.02.008)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*19269727*](https://pubmed.ncbi.nlm.nih.gov/19269727)*.*
  90. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-94) *Purvis, Thomas L. (2014).*[*Colonial America To 1763*](https://books.google.com/books?id=BZRJSx3uMYEC&q=1687+thirteen+colonies+++measles&pg=PA173)*. p. 173.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*9781438107998*](https://en.wikipedia.org/wiki/Special:BookSources/9781438107998)*. Retrieved 17 May 2020.*
  91. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-95) [*"Banat's historical chronology for the last millennium- XVIII Century"*](http://www.genealogy.ro/cont/20c.htm)*.www.genealogy.ro. Genealogy RO Group. Retrieved 26 May 2020.*
  92. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-96) [*"1738–39 — Smallpox, Catawba (NC/SC) and Cherokee Natives (NC) –7,700–11,700"*](https://www.usdeadlyevents.com/1738-39-smallpox-catawba-ncsc-and-cherokee-natives-nc-7700-11700)*. usdeadlyevents.com. Retrieved 13 May 2020.*
  93. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Thomas_Jefferson_University_97-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Thomas_Jefferson_University_97-1) [*"The Early History of Yellow Fever"*](https://jdc.jefferson.edu/cgi/viewcontent.cgi?referer=https://www.ecosia.org/&httpsredir=1&article=1004&context=yellow_fever_symposium)*. jdc.jefferson.edu. Thomas Jefferson University. September 2009. p. 3. Retrieved 16 May 2020.*
  94. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-98) *Tognotti, Eugenia (February 2013).*[*"Lessons from the History of Quarantine, from Plague to Influenza A"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3559034)*. Emerging Infectious Diseases.****19****(2): 254–259.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid1902.120312*](https://doi.org/10.3201%2Feid1902.120312)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3559034*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3559034)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*23343512*](https://pubmed.ncbi.nlm.nih.gov/23343512)*.*
  95. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-99) *Wyman, Walter (April 1897). "The North American Review". The Black Plague. University of Northern Iowa.****164****(485): 442.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*25118799*](https://www.jstor.org/stable/25118799)*.*
  96. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-100) *LeMay, Michael C. (2016).*[*Global Pandemic Threats: A Reference Handbook: A Reference Handbook*](https://books.google.com/books?id=_UzODAAAQBAJ&q=1759++measles++north++america&pg=PA227)*. ABC-CLIO. p. 227.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-4408-4283-2*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-4408-4283-2)*. Retrieved12 February 2020.*
  97. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-101) *Krebsbach, Suzanne (1996). "The Great Charlestown Smallpox Epidemic of 1760". The South Carolina Historical Magazine.****97****(1): 30–37.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0038-3082*](https://www.worldcat.org/issn/0038-3082)*.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*27570134*](https://www.jstor.org/stable/27570134)*.*
  98. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-102) [*"1760 — Smallpox Epidemic, Charleston, SC (as well as undocumented Native deaths)–730-940"*](https://www.usdeadlyevents.com/1760-smallpox-epidemic-charleston-sc-as-well-as-undocumented-native-deaths-730-940)*. usdeadlyevents.com. Retrieved 13 May 2020.*
  99. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-103) *Ranlet, Philip (2000). "The British, the Indians, and Smallpox: What Actually Happened at Fort Pitt in 1763?". Pennsylvania History: A Journal of Mid-Atlantic Studies.****67****(3): 427–441.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0031-4528*](https://www.worldcat.org/issn/0031-4528)*.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*27774278*](https://www.jstor.org/stable/27774278)*.*
  100. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-104) *Melikishvili, Alexander (2006).*[*"Genesis of the anti-plague system: the Tsarist period"*](http://cns.miis.edu/antiplague/pdfs/melikishvili.pdf)*(PDF). Critical Reviews in Microbiology.****36****(1): 19–31.*[*CiteSeerX*](https://en.wikipedia.org/wiki/CiteSeerX_(identifier))[*10.1.1.204.1976*](https://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.204.1976)*.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1080/10408410500496763*](https://doi.org/10.1080%2F10408410500496763)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*16610335*](https://pubmed.ncbi.nlm.nih.gov/16610335)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*7420734*](https://api.semanticscholar.org/CorpusID:7420734)*.*
  101. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-105) [*"1772 — Measles Epidemics, Charleston, SC (800-900), Philadelphia, PA (180) –980-1,080"*](https://www.usdeadlyevents.com/1772-measles-epidemics-charleston-sc-800-900-philadelphia-pa-180-980-1080)*. usdeadlyevents.com. Retrieved 14 January 2021.*
  102. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Shahraki_106-0) *Hashemi Shahraki A, Carniel E, Mostafavi E (2016).*[*"Plague in Iran: its history and current status"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5037359)*. Epidemiol Health.****38****: e2016033.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.4178/epih.e2016033*](https://doi.org/10.4178%2Fepih.e2016033)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5037359*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5037359)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*27457063*](https://pubmed.ncbi.nlm.nih.gov/27457063)*.*
  103. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Lancet_107-0) *Prichard, Augustin; Fothergill, John (1894).*[*"Influenza in 1775"*](https://zenodo.org/record/1663344)*. The Lancet.****143****(3673): 175–176.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/S0140-6736(01)66026-4*](https://doi.org/10.1016%2FS0140-6736%2801%2966026-4)*.*[*Archived*](https://web.archive.org/web/20200103214437/https:/zenodo.org/record/1663344)*from the original on 2020-01-03. Retrieved 2019-07-05.*
  104. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-108) Greg Lange,["Smallpox epidemic ravages Native Americans on the northwest coast of North America in the 1770s"](http://www.historylink.org/essays/output.cfm?file_id=5100) [Archived](https://web.archive.org/web/20080526181907/http:/www.historylink.org/essays/output.cfm?file_id=5100) 2008-05-26 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), 23 Jan 2003, HistoryLink.org, *Online Encyclopedia of Washington State History*, accessed 2 Jun 2008
  105. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-109) *Houston, C. S.; Houston, S. (2000).*[*"The first smallpox epidemic on the Canadian Plains: In the fur-traders' words"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2094753)*. The Canadian Journal of Infectious Diseases.****11****(2): 112–115.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1155/2000/782978*](https://doi.org/10.1155%2F2000%2F782978)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2094753*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2094753)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*18159275*](https://pubmed.ncbi.nlm.nih.gov/18159275)*.*
  106. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-110) *Rohé, George Henry; Robin, Albert (1908).*[*Text-book of Hygiene: A Comprehensive Treatise on the Principles and Practice of Preventive Medicine from an American Standpoint*](https://archive.org/details/textbookhygiene00robigoog)*. Davis. p.*[*428*](https://archive.org/details/textbookhygiene00robigoog/page/n450)*. Retrieved 12 February 2020.spain 1788 dengue fever.*
  107. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-111) *Waldman, Carl; Braun, Molly (2009).*[*Atlas of the North American Indian*](https://books.google.com/books?id=P2HKD9PgC6wC&q=pueblo+indian+1788+smallpox&pg=PA295)*. Infobase Publishing. p. 295.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-4381-2671-5*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-4381-2671-5)*. Retrieved 12 February2020.*
  108. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-112) *The History of Small-Pox in Australia, 1788–1908*, JHL Cumpston, (1914, Government Printer, Melb.)This epidemic is unlikely to have been a natural event. see, Warren (2013) [doi](https://en.wikipedia.org/wiki/Doi_(identifier)):[10.1080/14443058.2013.849750](https://doi.org/10.1080%2F14443058.2013.849750) [After Cook and coinciding with Colonisation](http://www.ahc.org.au/history/history.html) *"With the arrival of the Europeans, the Gadigal population was virtually wiped. In 1789 and 1790 a smallpox epidemic swept through the Aboriginal population around Sydney"* [Archived](https://web.archive.org/web/20080625020532/http:/www.ahc.org.au/history/history.html) 2008-06-25 at the[Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine)
  109. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-113) [*"The origin of the smallpox outbreak in Sydney in 1789"*](https://www.thefreelibrary.com/The+origin+of+the+smallpox+outbreak+in+Sydney+in+1789.-a0180278188)*. thefreelibrary. Retrieved 14 May 2020.*
  110. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-114) [*"Epidemics"*](http://www.libby-genealogy.com/epidemics.htm)*.*[*Archived*](https://web.archive.org/web/20130722144136/http:/www.libby-genealogy.com/epidemics.htm)*from the original on 2013-07-22. Retrieved2008-06-08.*
  111. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-115) [*"Tiger mosquitoes and the history of yellow fever and dengue in Spain"*](http://www.iberianature.com/material/tigermosquito.htm)*.*[*Archived*](https://web.archive.org/web/20170804192609/http:/www.iberianature.com/material/tigermosquito.htm)*from the original on 4 August 2017. Retrieved 16 November 2014.*
  112. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Davidson1893_116-0) *Andrew Davidson (1893).*[*Hygiene & diseases of warm climates*](https://archive.org/details/b21912245)*. Pentland. p.*[*337*](https://archive.org/details/b21912245/page/337)*. Retrieved 31 March 2011.*
  113. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-medicina_117-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-medicina_117-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-medicina_117-2) [*"The 1802 Saint-Domingue Yellow Fever Epidemic and the Louisiana Purchase (page 78)"*](https://web.archive.org/web/20160204181607/http:/s2.medicina.uady.mx/observatorio/docs/er/ac/RE2013_Ac_Marr.pdf)*(PDF). 2013. Archived from*[*the original*](http://s2.medicina.uady.mx/observatorio/docs/er/ac/RE2013_Ac_Marr.pdf)*(PDF) on 4 February 2016. Retrieved 12 May 2020.*
  114. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-118) *Lynch, Lily (5 December 2015).*[*"Odessa, 1812: Plague and Tyranny at the Edge of the Empire"*](https://web.archive.org/web/20200213021356/https:/balkanist.net/plague-and-political-tyranny-odessa/)*. Balkanist. Archived from*[*the original*](https://balkanist.net/plague-and-political-tyranny-odessa/)*on 13 February 2020.*
  115. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-119) *Mangion, Fabian (19 May 2013).*[*"Maltese islands devastated by a deadly epidemic 200 years ago"*](https://web.archive.org/web/20200312144053/https:/timesofmalta.com/articles/view/maltese-islands-devastated-by-a-deadly-epidemic-200-years-ago.470542)*.*[*Times of Malta*](https://en.wikipedia.org/wiki/Times_of_Malta)*. Archived from*[*the original*](https://timesofmalta.com/articles/view/maltese-islands-devastated-by-a-deadly-epidemic-200-years-ago.470542)*on 12 March 2020. Retrieved 28 May 2020.*
  116. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-120) Ştefan Ionescu, Bucureştii în vremea fanarioţilor (Bucharest in the time of the Phanariotes), Editura Dacia, Cluj, 1974. p. 287-293
  117. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-121) *Fenning, Hugh (1999). "Typhus Epidemic in Ireland, 1817–1819: Priests, Ministers, Doctors". Collectanea Hibernica.****41****(41): 117–152.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*30004680*](https://www.jstor.org/stable/30004680)*.*
  118. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p193_122-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 193.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  119. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-123) [*"The Autumnal Fever: The Outbreak of the Yellow Fever in Savannah, Georgia in 1820"*](http://projects.leadr.msu.edu/youngamerica/exhibits/show/the-autumnal-fever)*. projects.leadr.msu.edu. Retrieved 12 May 2020.*
  120. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Britannica_124-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Britannica_124-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Britannica_124-2) *Chisholm, Hugh, ed. (1911).*[*"Yellow Fever"*](https://en.wikisource.org/wiki/1911_Encyclop%C3%A6dia_Britannica/Yellow_Fever)*.*[*Encyclopædia Britannica*](https://en.wikipedia.org/wiki/Encyclop%C3%A6dia_Britannica_Eleventh_Edition)*.****28****(11th ed.). Cambridge University Press. pp. 910–911.*
  121. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-125) [*"Yellow fever in Barcelona"*](https://iberianature.com/barcelona/tag/yellow-fever-in-spain)*. 14 May 2009. Retrieved 12 May 2020.*
  122. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p211_126-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 211.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  123. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-127) [*"Aboriginal Health History"*](https://web.archive.org/web/20110927104026/http:/www.scu.edu.au/schools/gcm/ar/arr/arow/hgkr.html)*. Archived from*[*the original*](http://www.scu.edu.au/schools/gcm/ar/arr/arow/hgkr.html)*on 27 September 2011. Retrieved 16 November 2014.*
  124. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-128) [*"The smallpox holocaust that swept Aboriginal Australia – Red hot echidna spikes are burning me"*](https://candobetter.net/node/3720)*. candobetter. Retrieved 14 May 2020.*
  125. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-129) [*"Epidemieën in Groningen: De Groninger ziekte (1826)"*](https://www.rtvnoord.nl/nieuws/220326/Epidemieen-in-Groningen-De-Groninger-ziekte-1826)*. rtvnoord (in Dutch). 22 March 2020. Retrieved 18 April 2020.*
  126. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-130) [*"A Listing Of Some Worldwide Epidemics"*](https://raogk.org/encyclopedia/epidemics)*. raogk. Retrieved 18 May 2020.*
  127. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-131) [*"Disease Epidemics among Indians, 1770s–1850s (essay)"*](https://oregonencyclopedia.org/articles/disease_epidemics_1770s-1850s)*.oregonencyclopedia. Retrieved 18 April 2020.*
  128. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-132) [A History of the Human Plague in Iran](http://www.ams.ac.ir/aim/010136/0022.htm) [Archived](https://web.archive.org/web/20110719081147/http:/www.ams.ac.ir/aim/010136/0022.htm) 2011-07-19 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), Mohammad Azizi, Farzaneh Azizi
  129. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Kuhnke_133-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Kuhnke_133-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Kuhnke_133-2) [***d***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Kuhnke_133-3) Kuhnke, Laverne. *Lives at Risk: Public Health in Nineteenth-Century Egypt.* [ark.cdlib.org](http://ark.cdlib.org/ark:/13030/ft5t1nb3mq/) [Archived](https://web.archive.org/web/20081120024817/http:/ark.cdlib.org/ark:/13030/ft5t1nb3mq/) 2008-11-20 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), Berkeley: University of California Press, c1990.
  130. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-134) [*"Smallpox decimates tribes; survivors join together – Timeline – Native Voices"*](https://www.nlm.nih.gov/nativevoices/timeline/293.html)*. www.nlm.nih.gov.*[*Archived*](https://web.archive.org/web/20160816170039/https:/www.nlm.nih.gov/nativevoices/timeline/293.html)*from the original on 16 August 2016. Retrieved 4 July 2016.*
  131. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-135) [*"1841 — Yellow Fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston −3,498"*](https://www.usdeadlyevents.com/1841-yellow-fever-esp-fl-la-esp-new-orleans-also-vicksburg-charleston-3498)*. usdeadlyevents.com. Retrieved 12 May 2020.*
  132. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-CCHA_136-0) *Gallagher, The Reverend John A. (1936).*[*"The Irish Emigration of 1847 and Its Canadian Consequences"*](http://www.umanitoba.ca/colleges/st_pauls/ccha/Back%20Issues/CCHA1935-36/Gallagher.html)*. Canadian Catholic Historical Association Report, University of Manitoba Web Site.*[*Archived*](https://web.archive.org/web/20071011072535/http:/umanitoba.ca/colleges/st_pauls/ccha/Back%20Issues/CCHA1935-36/Gallagher.html)*from the original on 2007-10-11. Retrieved 2008-03-23.*
  133. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-137) [*"1847 –Yellow Fever, esp. New Orleans, also Galveston, Mobile, Pensacola, Vicksburg >3,400"*](https://www.usdeadlyevents.com/1847-yellow-fever-esp-new-orleans-also-galveston-mobile-pensacola-vicksburg-3400)*. usdeadlyevents.com. Retrieved 12 May 2020.*
  134. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-AJAMA_138-0) *a s, &NA (1849).*[*"On the Influenza, or Epidemic Catarrhal Fever of 1847–8"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5277660)*.The American Journal of the Medical Sciences.****18****(35): 148–154.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1097/00000441-184907000-00018*](https://doi.org/10.1097%2F00000441-184907000-00018)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5277660*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5277660)*.*
  135. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-139) *Schmitt, Robert C.; Nordyke, Eleanor C. (2001). "Death in Hawai'i: the Epidemics of 1848 - 1849". Hawaiian Journal of History.****35****.*[*hdl*](https://en.wikipedia.org/wiki/Hdl_(identifier))*:*[*10524/339*](https://hdl.handle.net/10524%2F339)*.*
  136. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p236_140-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 236.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  137. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Practitioner_141-0) [*Practitioner*](https://books.google.com/books?id=cWUCAAAAYAAJ)*. 1877. Retrieved 29 March 2011.*
  138. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-142) [[1]](http://wayback-01.kb.dk/wayback/20100504134515/http:/www2.kb.dk/udstillinger/medhist/kolera/efterhistorien.html) [Archived](https://web.archive.org/web/20150103085703/http:/wayback-01.kb.dk/wayback/20100504134515/http:/www2.kb.dk/udstillinger/medhist/kolera/efterhistorien.html) 2015-01-03 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine) About Cholera epidemic of Copenhagen 1853
  139. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Snow1855_143-0) *John Snow (1855).*[*On the mode of communication of cholera*](https://archive.org/details/b28985266)*. John Churchill. Retrieved 29 March 2011.*
  140. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-144) [*"Norfolk's Yellow Fever Epidemic of 1855"*](https://www.historicforrest.com/norfolkHistoricalSociety/insights/2005_summer/epidemic.html)*. historicforrest.com. Retrieved9 May 2020.*
  141. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Pryor_145-0) *Pryor, E. G. (1975). "The great plague of Hong Kong". Journal of the Hong Kong Branch of the Royal Asiatic Society.****15****: 61–70.*[*JSTOR*](https://en.wikipedia.org/wiki/JSTOR_(identifier))[*23881624*](https://www.jstor.org/stable/23881624)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11614750*](https://pubmed.ncbi.nlm.nih.gov/11614750)*.*
  142. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-146) *Stenseth, Nils Chr (8 August 2008). "Plague Through History". Science.****321****(5890): 773–774.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1126/science.1161496*](https://doi.org/10.1126%2Fscience.1161496)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*161336516*](https://api.semanticscholar.org/CorpusID:161336516)*.*
  143. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-147) [*"Australian Medical Pioneers Index (AMPI) – Colonial Medical Life"*](http://www.medicalpioneers.com/colonial.htm)*.*[*Archived*](https://web.archive.org/web/20170629093854/http:/medicalpioneers.com/colonial.htm)*from the original on 29 June 2017. Retrieved 16 November 2014.*
  144. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-148) Beveridge, W.I.B. Influenza, the Last Great Plague (Heinemann, London, 1977)[[*page needed*](https://en.wikipedia.org/wiki/Wikipedia:Citing_sources)]
  145. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-149) [*Creating Canada: 1850–1890*](https://s3.amazonaws.com/hwdsbcommons/wp-content/uploads/sites/7647/2016/09/ch1_sb_topic4.pdf)*(PDF). p. 42. Retrieved 14 May 2020.*
  146. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-150) [*"How a smallpox epidemic forged modern British Columbia"*](https://www.macleans.ca/news/canada/how-a-smallpox-epidemic-forged-modern-british-columbia)*. macleans.ca. Retrieved 14 May 2020.*
  147. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Boyd_151-0) *Boyd, Robert; Boyd, Robert Thomas (1999).*[*"A final disaster: the 1862 smallpox epidemic in coastal British Columbia"*](https://books.google.com/books?id=P_FdUPbmwCgC&pg=PA172)*. The Coming of the Spirit of Pestilence: Introduced Infectious Diseases and Population Decline Among Northwest Coast Indians, 1774–1874. University of British Columbia Press. pp. 172–201.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-295-97837-6*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-295-97837-6)*. Retrieved 10 February 2021.*
  148. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-152) [*"Typhoid Fever History"*](http://www.news-medical.net/health/Typhoid-Fever-History.aspx)*. news-medical.net. Retrieved 13 May 2020.*
  149. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p267_153-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 267.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  150. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Dictionary_of_Sydney_154-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Dictionary_of_Sydney_154-1) [*"Epidemics"*](https://dictionaryofsydney.org/entry/epidemics)*. dictionaryofsydney.org. 2008. Retrieved 16 May 2020.*
  151. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-155) [*"The Yellow Fever Outbreak of 1871"*](http://www.greywall.demon.co.uk/genealogy/yfever/index.html)*. Retrieved 12 May 2020.*
  152. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-156) [*"Franco-Prussian War"*](https://www.strategypage.com/articles/smallpox/6.asp)*. strategypage.com. Retrieved 14 May 2020.*
  153. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-157) *Jorland, Gerard (2011).*[*"Smallpox and the Franco-Prussian War of 1870"*](https://www.cairn-int.info/article-E_SEVE_033_0025--smallpox-and-the-franco-prussian-war-of.htm)*.Les Tribunes de la Santé.****33****: 25–30.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3917/seve.033.0025*](https://doi.org/10.3917%2Fseve.033.0025)*.*
  154. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-158) [*"Death of Forty Thousand Fijians from Measles"*](http://www.britishnewspaperarchive.co.uk/viewer/bl/0000081/18750929/038/0007)*. Liverpool Mercury. 29 Sep 1875. Retrieved 9 Nov 2012.*
  155. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-159) [*"Plague in the 19th Century: (2) 1853–84"*](https://www.1902encyclopedia.com/P/PLA/plague-13.html)*. 1902encyclopedia. Retrieved16 May 2020.*
  156. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p303_160-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 303.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  157. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-161) [Plague A Story of Smallpox in Montreal](https://www.amazon.com/Plague-Story-Smallpox-Montreal-Michael/dp/0002156938) [Michael Bliss](https://en.wikipedia.org/wiki/Michael_Bliss), 1991, accessed 8 May 2020
  158. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-162) *King, Anthony (May 2020).*[*"An uncommon cold"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7252012)*. New Scientist.****246****(3280): 32–35.*[*Bibcode*](https://en.wikipedia.org/wiki/Bibcode_(identifier))*:*[*2020NewSc.246...32K*](https://ui.adsabs.harvard.edu/abs/2020NewSc.246...32K)*.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/S0262-4079(20)30862-9*](https://doi.org/10.1016%2FS0262-4079%2820%2930862-9)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*7252012*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7252012)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*32501321*](https://pubmed.ncbi.nlm.nih.gov/32501321)*.*
  159. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-163) *Huynh, Jeremy; Li, Shimena; Yount, Boyd; Smith, Alexander; Sturges, Leslie; Olsen, John C.; Nagel, Juliet; Johnson, Joshua B.; Agnihothram, Sudhakar; Gates, J. Edward; Frieman, Matthew B.; Baric, Ralph S.; Donaldson, Eric F. (1 December 2012).*[*"Evidence Supporting a Zoonotic Origin of Human Coronavirus Strain NL63"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3497669)*. Journal of Virology.****86****(23): 12816–12825.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1128/JVI.00906-12*](https://doi.org/10.1128%2FJVI.00906-12)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3497669*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3497669)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*22993147*](https://pubmed.ncbi.nlm.nih.gov/22993147)*.*
  160. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Board1893_164-0) *Great Britain. Local Government Board (1893).*[*Further report and papers on epidemic influenza, 1889–92: with an introduction by the medical officer of the Local Government Board*](https://archive.org/details/b21459393)*. Eyre. p. 49. Retrieved 29 March 2011.*
  161. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-165) [*"A lesson from history – Hong Kong's plague epidemic points way ahead in face of crisis"*](https://www.scmp.com/news/hong-kong/article/1899938/lesson-history-hong-kongs-plague-epidemic-points-way-ahead-face)*. South China Morning Post. 2016-01-11. Retrieved 2021-01-16.*
  162. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-166) [*"The 1896 Bombay Plague: Lessons In What Not To Do"*](https://www.outlookindia.com/website/story/opinion-colonial-experiences-from-the-bombay-plague-of-1896-no-lessons-learned/350389/?next)*. outlookindia. 9 April 2020. Retrieved 13 May 2020.*
  163. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-African_trypanosomiasis_167-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-African_trypanosomiasis_167-1) [*"The history of sleeping sickness"*](https://www.who.int/trypanosomiasis_african/country/history/en/index5.html)*. WHO. Retrieved 12 May 2020.*
  164. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Pontes2012_168-0) *Pontes, David (2012).*[*O cerco da peste no Porto: Cidade, imprensa e saúde pública na crise sanitária de 1899*](https://repositorio-aberto.up.pt/bitstream/10216/73326/2/28279.pdf)*(PDF) (master's degree) (in Portuguese). Faculdade de Letras da Universidade do Porto. Retrieved 2 March 2020.*
  165. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p345_169-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 345.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  166. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-170) *Echenberg, Myron (2007). Plague Ports: The Global Urban Impact of Bubonic Plague: 1894–1901. Sacramento: New York University Press. p. 231.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-8147-2232-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-8147-2232-9)*.*
  167. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-171) [*"The day bubonic plague hit Sydney"*](https://www.dailytelegraph.com.au/news/nsw/bubonic-plague-sydney-how-a-city-survived-the-black-death-in-1900/news-story/f36b9184eba49c72ae9791c574f7b826)*. www.dailytelegraph.com.au. 2015-09-03. Retrieved 2020-07-26.*
  168. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-172) *Liberski, Pawel; Gajos, Agata; Sikorska, Beata; Lindenbaum, Shirley (2019).*[*"Kuru, the First Human Prion Disease †"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6466359)*. Viruses.****11****(3): 232.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3390/v11030232*](https://doi.org/10.3390%2Fv11030232)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*6466359*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6466359)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*30866511*](https://pubmed.ncbi.nlm.nih.gov/30866511)*.*
  169. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-173) *Zafar Khan, Zartash.*[*"Kuru: Background, Pathophysiology, Epidemiology"*](https://emedicine.medscape.com/article/220043-overview)*.*
  170. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-DSHS_174-0) [*"Texas Department of State Health Services, History of Plague"*](http://www.dshs.state.tx.us/preparedness/bt_public_history_plague.shtm)*.*[*Archived*](https://www.webcitation.org/6HfryBSov?url=http://www.dshs.state.tx.us/preparedness/bt_public_history_plague.shtm)*from the original on 2013-06-26. Retrieved 2008-07-01.*
  171. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-175) *Blackburne, George Hugh Spencer; Anderson, T. L. (1903).*[*Report on the outbreak of plague at Fremantle*](https://en.wikisource.org/wiki/Report_on_the_outbreak_of_plague_at_Fremantle)*– via*[*Wikisource*](https://en.wikipedia.org/wiki/Wikisource)*.*
  172. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-176) *Wijesundere, Dilkushi Anula; Ramasamy, Ranjan (2017-08-28).*[*"Analysis of Historical Trends and Recent Elimination of Malaria from Sri Lanka and Its Applicability for Malaria Control in Other Countries"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5581355)*. Frontiers in Public Health.****5****: 212.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3389/fpubh.2017.00212*](https://doi.org/10.3389%2Ffpubh.2017.00212)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*2296-2565*](https://www.worldcat.org/issn/2296-2565)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5581355*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5581355)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*28894732*](https://pubmed.ncbi.nlm.nih.gov/28894732)*.*
  173. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:02_177-0) *Meiklejohn, Iain.*[*"Manchurian plague, 1910–11"*](https://disasterhistory.org/the-manchurian-plague-1910-11)*. Disaster History. Retrieved23 April 2020.*
  174. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Harbin_Plague_178-0) [*"In Memory of the 1910 Harbin Plague"*](http://news.sina.com.cn/c/sd/2011-01-14/130221815935.shtml)*.*[*Archived*](https://web.archive.org/web/20171028165551/http:/news.sina.com.cn/c/sd/2011-01-14/130221815935.shtml)*from the original on 2017-10-28. Retrieved 2011-01-14.*
  175. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:2_179-0) *Ravenholt, R. T; Foege, WilliamH (1982-10-16).*[*"1918 Influenza, Encephalitis Lethargica, Parkinsonism"*](http://www.sciencedirect.com/science/article/pii/S0140673682908200)*. The Lancet. Originally published as Volume 2, Issue 8303.****320****(8303): 860–864.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/S0140-6736(82)90820-0*](https://doi.org/10.1016%2FS0140-6736%2882%2990820-0)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0140-6736*](https://www.worldcat.org/issn/0140-6736)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*6126720*](https://pubmed.ncbi.nlm.nih.gov/6126720)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*45138249*](https://api.semanticscholar.org/CorpusID:45138249)*.*
  176. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:3_180-0) *McCall, Sherman; Vilensky, Joel A; Gilman, Sid; Taubenberger, Jeffery K (May 2008).*[*"The relationship between encephalitis lethargica and influenza: A critical analysis"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2778472)*. Journal of Neurovirology.****14****(3): 177–185.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1080/13550280801995445*](https://doi.org/10.1080%2F13550280801995445)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*1355-0284*](https://www.worldcat.org/issn/1355-0284)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2778472*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2778472)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*18569452*](https://pubmed.ncbi.nlm.nih.gov/18569452)*.*
  177. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-181) *Foster, Harold D.; Hoffer, Abram (1 January 2007).*[*"Chapter 16 – Hyperoxidation of the Two Catecholamines, Dopamine and Adrenaline: Implications for the Etiologies and Treatment of Encephalitis Lethargica, Parkinson's Disease, Multiple Sclerosis, Amyotrophic Lateral Sclerosis, and Schizophrenia"*](https://www.sciencedirect.com/science/article/pii/B9780444528094501575)*. Oxidative Stress and Neurodegenerative Disorders. Elsevier Science B.V.: 369–382.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/B978-044452809-4/50157-5*](https://doi.org/10.1016%2FB978-044452809-4%2F50157-5)*. Retrieved11 February 2020.*
  178. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Ochmann_and_Roser_182-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Ochmann_and_Roser_182-1) *Ochman, Sophie; Roser, Max (9 November 2017).*[*"Polio (graph "Reported paralytic polio cases and deaths in the United States since 1910")"*](https://ourworldindata.org/polio)*. Our World in Data. OurWorldInData.org. Retrieved 15 May 2020.*
  179. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:1_183-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:1_183-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:1_183-2) [*"Pandemic Influenza Risk Management WHO Interim Guidance"*](https://www.who.int/influenza/preparedness/pandemic/GIP_PandemicInfluenzaRiskManagementInterimGuidance_Jun2013.pdf?ua=1)*(PDF).*[*World Health Organization*](https://en.wikipedia.org/wiki/World_Health_Organization)*. 2013. p. 19.*[*Archived*](https://web.archive.org/web/20210121225326/https:/www.who.int/influenza/preparedness/pandemic/GIP_PandemicInfluenzaRiskManagementInterimGuidance_Jun2013.pdf?ua=1)*(PDF) from the original on 2021-01-21. Retrieved 7 December 2020.*
  180. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-184) *P. Spreeuwenberg; et al. (1 December 2018).*[*"Reassessing the Global Mortality Burden of the 1918 Influenza Pandemic"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7314216)*.*[*American Journal of Epidemiology*](https://en.wikipedia.org/wiki/American_Journal_of_Epidemiology)*.****187****(12): 2561–2567.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1093/aje/kwy191*](https://doi.org/10.1093%2Faje%2Fkwy191)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*7314216*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7314216)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*30202996*](https://pubmed.ncbi.nlm.nih.gov/30202996)*.*
  181. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-185) *Borza, T. (2001-12-10).*[*"[Spanish flu in Norway 1918-19]"*](https://pubmed.ncbi.nlm.nih.gov/11808016/#affiliation-1)*. Tidsskrift for den Norske Laegeforening.****121****(30): 3551–3554.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0029-2001*](https://www.worldcat.org/issn/0029-2001)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*11808016*](https://pubmed.ncbi.nlm.nih.gov/11808016)*.*
  182. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-186) *Patterson KD (1993).*[*"Typhus and its control in Russia, 1870–1940"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1036775)*. Med Hist.****37****(4): 361–381 [378].*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1017/s0025727300058725*](https://doi.org/10.1017%2Fs0025727300058725)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*1036775*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1036775)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*8246643*](https://pubmed.ncbi.nlm.nih.gov/8246643)*.*
  183. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-187) *Viseltear A.J. (March 1974).*[*"The Pneumonic Plague Epidemic of 1924 in Los Angeles"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2595158)*. Yale J. Biol. Med.****47****(1): 40–54.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2595158*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2595158)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*4596466*](https://pubmed.ncbi.nlm.nih.gov/4596466)*.*
  184. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-188) *Nelson, Paul (2018-01-02).*[*"Smallpox Epidemic, 1924–1925"*](http://www.mnopedia.org/event/smallpox-epidemic-1924-1925)*. MNopedia. Retrieved 2019-07-25.*
  185. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-189) *Berger, Stephen (20 January 2017).*[*Typhoid and Enteric Fever: Global Status: 2017 edition*](https://books.google.com/books?id=XFEWDgAAQBAJ&q=%221993%22+%22+%09Typhoid+fever%22+%22mpumalanga%22&pg=PA11)*.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*9781498816878*](https://en.wikipedia.org/wiki/Special:BookSources/9781498816878)*. Retrieved 16 May 2020.*
  186. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Honigsbaum2020_190-0) *Honigsbaum, Mark (2020). "3. The Great Parrot Fever Pandemic".*[*The Pandemic Century: One Hundred Years of Panic, Hysteria and Hubris*](https://openaccess.city.ac.uk/id/eprint/23272/1/The%20Pandemic%20Century-ver3.pdf)*(PDF). London: Hurst & Company. pp. 67–98.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*9781787381216*](https://en.wikipedia.org/wiki/Special:BookSources/9781787381216)*.*
  187. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Ravenel1938_191-0) [*Ravenel, Mazÿk P.*](https://en.wikipedia.org/wiki/Maz%C3%BFck_P._Ravenel)*(May 1938).*[*"The Croydon Epidemic of Typhoid Fever"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1529192)*.*[*American Journal of Public Health and the Nation's Health*](https://en.wikipedia.org/wiki/American_Journal_of_Public_Health_and_the_Nation%27s_Health)*.****28****(5): 644–646.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.2105/AJPH.28.5.644*](https://doi.org/10.2105%2FAJPH.28.5.644)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*1529192*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1529192)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*18014847*](https://pubmed.ncbi.nlm.nih.gov/18014847)*.*
  188. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-192) *Melbourne, Professor Joan McMeeken, University of (2018-01-18).*[*"Remembering Australia's polio scourge"*](https://pursuit.unimelb.edu.au/articles/remembering-australia-s-polio-scourge)*. Pursuit. Retrieved 2020-07-26.*
  189. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-193) [*"Yellow Fever in Sudan"*](http://regist2.virology-education.com/presentations/2019/2ICREID/31_Magboul.pdf)*(PDF). Retrieved 13 May 2020.*
  190. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Gallagher_194-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Gallagher_194-1) [***c***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Gallagher_194-2) Gallagher, Nancy. *Egypt's Other Wars: Epidemics and the Politics of Public Health.* Syracuse University Press, c1990. American University in Cairo Press. [ISBN](https://en.wikipedia.org/wiki/ISBN_(identifier)) [977-424-295-5](https://en.wikipedia.org/wiki/Special:BookSources/977-424-295-5) pp. 4–6
  191. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-195) *Shousha AT (1948).*[*"Cholera Epidemic in Egypt (1947): A Preliminary Report"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553924)*. Bull. World Health Organ.****1****(2): 353–81.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2553924*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553924)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*20603928*](https://pubmed.ncbi.nlm.nih.gov/20603928)*.*
  192. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Paul2008_196-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Paul2008_196-1) *William E. Paul (2008).*[*Fundamental Immunology*](https://books.google.com/books?id=oPSG1PGmZUkC)*. Lippincott Williams & Wilkins.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-0-7817-6519-0*](https://en.wikipedia.org/wiki/Special:BookSources/978-0-7817-6519-0)*.*[*Archived*](https://web.archive.org/web/20140702155855/http:/books.google.com/books?id=oPSG1PGmZUkC)*from the original on 2 July 2014. Retrieved 29 March 2011.*
  193. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:0_197-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:0_197-1) [*"Report of the Review Committee on the Functioning of the International Health Regulations (2005) in relation to Pandemic (H1N1) 2009"*](http://apps.who.int/gb/ebwha/pdf_files/WHA64/A64_10-en.pdf)*(PDF). 2011-05-05. p. 37.*[*Archived*](https://web.archive.org/web/20150514145306/http:/apps.who.int/gb/ebwha/pdf_files/WHA64/A64_10-en.pdf)*(PDF) from the original on 14 May 2015. Retrieved1 March 2015.*
  194. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-198) *Lilay, Abrham; Asamene, Negga; Bekele, Abyot; Mengesha, Mesfin; Wendabeku, Milliyon; Tareke, Israel; Girmay, Abiy; Wuletaw, Yonas; Adossa, Abate; Ba, Yamar; Sall, Amadou; Jima, Daddi; Mengesha, Debritu (15 May 2017).*[*"Reemergence of yellow fever in Ethiopia after 50 years, 2013: epidemiological and entomological investigations"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5432991)*. BMC Infectious Diseases.****17****(1): 343.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1186/s12879-017-2435-4*](https://doi.org/10.1186%2Fs12879-017-2435-4)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5432991*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5432991)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*28506254*](https://pubmed.ncbi.nlm.nih.gov/28506254)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*21276606*](https://api.semanticscholar.org/CorpusID:21276606)*.*
  195. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Hays2005p421_199-0) *J. N. Hays (2005).*[*Epidemics and pandemics: their impacts on human history*](https://archive.org/details/epidemicspandemi0000hays)*. ABC-CLIO. p. 421.*[*ISBN*](https://en.wikipedia.org/wiki/ISBN_(identifier))[*978-1-85109-658-9*](https://en.wikipedia.org/wiki/Special:BookSources/978-1-85109-658-9)*. Retrieved 29 March 2011.*
  196. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-200) [*"Polio in Staphorst"*](https://anderetijden.nl/aflevering/340/Polio-in-Staphorst)*. anderetijden (in Dutch). Retrieved 15 May 2020.*
  197. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-201) *Ehrengut W (1974). "[Smallpox in Yugoslavia in 1972 (author's transl)]". Med Klin.****69****(8): 350–352.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*4826683*](https://pubmed.ncbi.nlm.nih.gov/4826683)*.*
  198. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-202) [*"New, Deadly Flu Strain Detected in Albany Co"*](https://news.google.com/newspapers?id=HwohAAAAIBAJ&pg=2551,1652625&dq=london-flu+1973)*. Schenectady Gazette. Associated Press. January 24, 1975. p. 3. Retrieved August 3, 2012.*
  199. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-203) *De Lorenzo F., Manzillo G., Soscia M., Balestrieri G.G. (1974). "Epidemic of Cholera el Tor in Naples, 1973". The Lancet.****303****(7859): 669.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/S0140-6736(74)93214-0*](https://doi.org/10.1016%2FS0140-6736%2874%2993214-0)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*4132328*](https://pubmed.ncbi.nlm.nih.gov/4132328)*.*
  200. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-SmallpoxIndia1974_204-0) [*"The control and eradication of smallpox in South Asia"*](https://web.archive.org/web/20081019023043/http:/www.smallpoxhistory.ucl.ac.uk/)*.www.smallpoxhistory.ucl.ac.uk. Archived from*[*the original*](http://www.smallpoxhistory.ucl.ac.uk/)*on 2008-10-19. Retrieved 2008-12-18.*
  201. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:6_205-0) *Michaelis, Martin; Doerr, Hans Wilhem; Cinatl, Jindrich (2009-08-01).*[*"Novel swine-origin influenza A virus in humans: another pandemic knocking at the door"*](https://link.springer.com/article/10.1007/s00430-009-0118-5)*. Medical Microbiology and Immunology.****198****(3): 175–183 (Table 1).*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1007/s00430-009-0118-5*](https://doi.org/10.1007%2Fs00430-009-0118-5)*.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*1432-1831*](https://www.worldcat.org/issn/1432-1831)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*19543913*](https://pubmed.ncbi.nlm.nih.gov/19543913)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*20496301*](https://api.semanticscholar.org/CorpusID:20496301)*.*
  202. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-:7_206-0) [*"You're more likely to die from the H1N1 flu if you were born in 1957"*](https://nouvelles.umontreal.ca/en/article/2018/01/19/you-re-more-likely-to-die-from-the-h1n1-flu-if-you-were-born-in-1957/)*.University of Montreal. 2020-11-18. Retrieved 2021-01-24.*
  203. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-207) *Meselson, Matthew; Guillemin, J; Hugh-Jones, Martin; Langmuir, A; Popova, I; Shelokov, A; Yampolskaya, O (1994-12-01).*[*"The Sverdlovsk anthrax outbreak of 1979"*](https://www.researchgate.net/publication/15224942)*. Science.****266****(5188): 1202–8.*[*Bibcode*](https://en.wikipedia.org/wiki/Bibcode_(identifier))*:*[*1994Sci...266.1202M*](https://ui.adsabs.harvard.edu/abs/1994Sci...266.1202M)*.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1126/science.7973702*](https://doi.org/10.1126%2Fscience.7973702)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*7973702*](https://pubmed.ncbi.nlm.nih.gov/7973702)*.*
  204. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-208) [*"Statistics Overview - HIV surveillance report (International Statistics)"*](https://www.cdc.gov/hiv/statistics/overview/index.html)*.cdc.gov.*[*Centers For Disease Control and Prevention*](https://en.wikipedia.org/wiki/Centers_For_Disease_Control_and_Prevention)*. 2020. Retrieved29 December 2020.*
  205. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-209) *De Cock KM, Monath TP, Nasidi A, Tukei PM, Enriquez J, Lichfield P, Craven RB, Fabiyi A, Okafor BC, Ravaonjanahary C (1988). "Epidemic yellow fever in eastern Nigeria, 1986". Lancet.****1****(8586): 630–3.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/s0140-6736(88)91425-0*](https://doi.org/10.1016%2Fs0140-6736%2888%2991425-0)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*2894558*](https://pubmed.ncbi.nlm.nih.gov/2894558)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*31563771*](https://api.semanticscholar.org/CorpusID:31563771)*.*
  206. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-210) [*"Yellow fever in Mali"*](https://www.who.int/csr/don/2005_01_06/en)*. who.int. Retrieved 12 May 2020.*
  207. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-WHOCholeraTable_211-0) [Summary of cholera cases and deaths reported in the literature, by date, country and World Health Organization (WHO) mortality stratum](https://www.who.int/bulletin/volumes/90/3/BLT-11-093427-table-T3.html) Mohammad Ali, Anna Lena Lopez, Young Ae You, Young Eun Kim, Binod Sah, Brian Maskery & John Clemens, Bulletin of the World Health Organisation, Volume 90, Number 3, March 2012, 209-218A *www.who.int*, accessed 4 May 2020
  208. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-212) *Tickner, Joel; Gouveia-Vigeant, Tami (June 2005). "The 1991 Cholera Epidemic in Peru: Not a Case of Precaution Gone Awry". Risk Analysis.****25****(3): 495–502.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1111/j.1539-6924.2005.00617.x*](https://doi.org/10.1111%2Fj.1539-6924.2005.00617.x)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*16022685*](https://pubmed.ncbi.nlm.nih.gov/16022685)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*15792284*](https://api.semanticscholar.org/CorpusID:15792284)*.*
  209. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-213) *"Cholera in the Americas". Bulletin of the Pan American Health Organization.****25****(3): 267–273. 1991.*[*ISSN*](https://en.wikipedia.org/wiki/ISSN_(identifier))[*0085-4638*](https://www.worldcat.org/issn/0085-4638)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*1742573*](https://pubmed.ncbi.nlm.nih.gov/1742573)*.*
  210. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-214) *Dutt, Ashok (2006).*[*"Surat Plaque of 1994 re-examined"*](http://www.tm.mahidol.ac.th/seameo/2006_37_4/21-3658.pdf)*(PDF). Southeast Asian Journal of Tropical Medicine and Public Health.****37****(4): 755–760.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*17121302*](https://pubmed.ncbi.nlm.nih.gov/17121302)*.*[*Archived*](https://web.archive.org/web/20160206192456/http:/www.tm.mahidol.ac.th/seameo/2006_37_4/21-3658.pdf)*(PDF) from the original on 6 February 2016. Retrieved 19 June 2016.*
  211. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-215) [*"'Mad cow disease': What is BSE?"*](https://www.bbc.com/news/uk-45906585)*. BBC. 18 October 2018. Retrieved12 May 2020.*
  212. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-vCJD_216-0) [*"Variant Creutzfeldt–Jakob Disease, Current Data (July 2012)"*](https://web.archive.org/web/20120721234746/http:/www.cjd.ed.ac.uk/vcjdworld.htm)*. The National Creutzfeldt–Jakob Disease Surveillance Unit (NCJDSU),*[*University of Edinburgh*](https://en.wikipedia.org/wiki/University_of_Edinburgh)*. Archived from the original on 21 July 2012. Retrieved 20 April 2020.*;
  213. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-217) [Wide Epidemic of Meningitis Fatal to 10,000 in West Africa](https://www.nytimes.com/1996/05/08/world/wide-epidemic-of-meningitis-fatal-to-10000-in-west-africa.html) Eoward W. French, 8 May 1996 *www.nytimes.com*, accessed 26 April 2020
  214. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Nipah_outbreak_Malaysia98_99_218-0) *Lai-Meng Looi; Kaw-Bing Chua (2007).*[*"Lessons from the Nipah virus outbreak in Malaysia"*](http://www.mjpath.org.my/2007.2/02Nipah_Virus_lessons.pdf)*(PDF). The Malaysian Journal of Pathology. Department of Pathology, University of Malaya and National Public Health Laboratory of the Ministry of Health, Malaysia.****29****(2): 63–7.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*19108397*](https://pubmed.ncbi.nlm.nih.gov/19108397)*.*[*Archived*](https://web.archive.org/web/20190830060915/http:/www.mjpath.org.my/2007.2/02Nipah_Virus_lessons.pdf)*(PDF)from the original on 30 August 2019.*
  215. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-219) [*"Dengue in the Americas: The Epidemics of 2000"*](http://www.paho.org/English/sha/be_v21n4-dengue.htm)*.*[*Archived*](https://web.archive.org/web/20171017153210/http:/www1.paho.org/English/sha/be_v21n4-dengue.htm)*from the original on 2017-10-17. Retrieved 2008-08-05.*
  216. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-220) [*"Nigeria cholera outbreak kills 400"*](http://news.bbc.co.uk/1/hi/world/africa/1677526.stm)*. 2001-11-26.*[*Archived*](https://web.archive.org/web/20031219043217/http:/news.bbc.co.uk/1/hi/world/africa/1677526.stm)*from the original on 19 December 2003. Retrieved 16 November 2014.*
  217. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-221) [*"Cholera Spreads Through South Africa Townships"*](https://web.archive.org/web/20090603003241/http:/www.redcross.org/news/in/health/010312cholera.html)*. Archived from*[*the original*](http://www.redcross.org/news/in/health/010312cholera.html)*on 3 June 2009. Retrieved 16 November 2014.*
  218. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-222) [2001 – Cholera in South Africa](https://www.who.int/csr/don/2001_03_16/en/) 16 March 2001 *www.who.int*, accessed 28 April 2020
  219. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-223) [*"WHO | Summary of probable SARS cases with onset of illness from 1 November 2002 to 31 July 2003"*](https://www.who.int/csr/sars/country/table2004_04_21/en/)*.*
  220. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-224) *Bertherat, Eric; Bekhoucha, Souad; Chougrani, Saada; Razik, Fathia; Duchemin, Jean B.; Houti, Leila; Deharib, Larbi; Fayolle, Corinne; Makrerougrass, Banaouda; Dali-Yahia, Radia; Bellal, Ramdan; Belhabri, Leila; Chaieb, Amina; Tikhomirov, Evgueni; Carniel, Elisabeth (2007).*[*"Plague Reappearance in Algeria after 50 Years, 2003"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2851531)*. Emerging Infectious Diseases.****13****(10): 1459–1462.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid1310.070284*](https://doi.org/10.3201%2Feid1310.070284)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2851531*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2851531)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*18257987*](https://pubmed.ncbi.nlm.nih.gov/18257987)*.*
  221. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-225) [*"Cumulative number of confirmed human cases for avian influenza A(H5N1) reported to WHO, 2003 – 2020"*](https://www.who.int/influenza/human_animal_interface/2020_MAY_tableH5N1.pdf)*(PDF). 8 May 2020. Retrieved 4 January 2020.*
  222. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-WHOint_226-0) [*"World Health Organization action in Afghanistan aims to control debilitating leishmaniasis"*](https://www.who.int/mediacentre/news/releases/2004/pr55/en/)*.*[*Archived*](https://web.archive.org/web/20171012030854/http:/www.who.int/mediacentre/news/releases/2004/pr55/en/)*from the original on 12 October 2017. Retrieved16 November 2014.*
  223. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-227) [Zoonotic Cutaneous Leishmaniasis, Afghanistan](https://wwwnc.cdc.gov/eid/article/12/10/06-0076_article) Volume 12, Number 10 – October 2006 *wwwnc.cdc.gov/eid*, accessed 30 April 2020
  224. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-228) [Dengue fever in Indonesia – update 4](https://www.who.int/csr/don/2004_05_11a/en/) 11 May 2004 *www.who.int*, accessed 16 February 2020
  225. ^ [Jump up to:***a***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-WHO2014_229-0) [***b***](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-WHO2014_229-1) [*"Ebola virus disease"*](https://www.who.int/en/news-room/fact-sheets/detail/ebola-virus-disease)*(Press release).*[*World Health Organization*](https://en.wikipedia.org/wiki/World_Health_Organization)*(WHO). 12 February 2018. Retrieved 26 February 2020.*
  226. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-230) *Koh, B. K.; Ng, L. C.; Kita, Y.; Tang, C. S.; Ang, L. W.; Wong, K. Y.; James, L.; Goh, K. T. (2008).*[*"The 2005 dengue epidemic in Singapore: Epidemiology, prevention and control"*](http://www.annals.edu.sg/pdf/37VolNo7Jul2008/V37N7p538.pdf)*(PDF). Annals of the Academy of Medicine, Singapore.****37****(7): 538–545.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*18695764*](https://pubmed.ncbi.nlm.nih.gov/18695764)*.*[*Archived*](https://web.archive.org/web/20170706065103/http:/www.annals.edu.sg/PDF/37VolNo7Jul2008/V37N7p538.pdf)*(PDF) from the original on 2017-07-06. Retrieved 2018-10-17.*
  227. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-231) [Worst cholera outbreak in Angola](http://news.bbc.co.uk/2/hi/africa/4990960.stm) [Archived](https://web.archive.org/web/20170429080644/http:/news.bbc.co.uk/2/hi/africa/4990960.stm) 2017-04-29 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), [BBC](https://en.wikipedia.org/wiki/BBC)
  228. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-232) [Plague in the Democratic Republic of the Congo](https://www.who.int/csr/don/2006_06_14/en/) 14 June 2006 *www.who.int*, accessed 26 February 2020
  229. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-233) [Plague in the Democratic Republic of the Congo](https://www.who.int/csr/don/2006_10_13/en/) 13 October 2006*www.who.int*, accessed 26 February 2020
  230. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-234) [*"Malaria Epidemic Sweeps Northeast India"*](http://www.bio-medicine.org/medicine-news/Malaria-Epidemic-Sweeps-Northeast-India-9507-1/)*.*[*Archived*](https://web.archive.org/web/20170203074542/http:/www.bio-medicine.org/medicine-news/Malaria-Epidemic-Sweeps-Northeast-India-9507-1/)*from the original on 2017-02-03. Retrieved 2008-07-01.*
  231. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-235) [*"Dengue epidemic threatens India's capital"*](http://www.news-medical.net/?id=20348)*. News-Medical.net. 2 October 2006.*[*Archived*](https://web.archive.org/web/20090115204240/http:/www.news-medical.net/?id=20348)*from the original on 15 January 2009. Retrieved 16 November2014.*
  232. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-236) *Khan, E.; Siddiqui, J.; Shakoor, S.; Mehraj, V.; Jamil, B.; Hasan, R. (2007). "Dengue outbreak in Karachi, Pakistan, 2006: Experience at a tertiary care center". Transactions of the Royal Society of Tropical Medicine and Hygiene.****101****(11): 1114–1119.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/j.trstmh.2007.06.016*](https://doi.org/10.1016%2Fj.trstmh.2007.06.016)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*17706259*](https://pubmed.ncbi.nlm.nih.gov/17706259)*.*
  233. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-237) [Epidemiology of Dengue Disease in the Philippines (2000–2011): A Systematic Literature Review](https://www.researchgate.net/publication/267872402_Epidemiology_of_Dengue_Disease_in_the_Philippines_2000-2011_A_Systematic_Literature_Review) November 2014 PLoS Neglected Tropical Diseases via*www.researchgate.net*, accessed 16 February 2020
  234. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-238) [Rift Valley fever](https://www.who.int/news-room/fact-sheets/detail/rift-valley-fever) 19 February 2018 *www.who.int*, accessed 26 April 2020
  235. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-239) ["Mourners die as fever grips Congo."](http://www.smh.com.au/news/world/mourners-die-as-fever-grips-congo/2007/08/30/1188067243698.html) [Archived](https://www.webcitation.org/69YJ51ur3?url=http://www.smh.com.au/news/world/mourners-die-as-fever-grips-congo/2007/08/30/1188067243698.html) 2012-07-30 at [WebCite](https://en.wikipedia.org/wiki/WebCite)*Sydney Morning Herald*, August 30, 2007
  236. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-240) *Xan Rice (2007-02-22).*[*"Fatal outbreak not a cholera epidemic, insists Ethiopia"*](https://www.theguardian.com/world/2007/feb/22/ethiopia)*. The Guardian.*[*Archived*](https://web.archive.org/web/20171026111149/https:/www.theguardian.com/world/2007/feb/22/ethiopia)*from the original on 26 October 2017. Retrieved 16 November 2014.*
  237. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-241) [Cholera outbreak in Iraq growing](http://www.nbcnews.com/id/21121516) [Archived](https://web.archive.org/web/20170204003658/http:/www.nbcnews.com/id/21121516/) 2017-02-04 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), [Associated Press](https://en.wikipedia.org/wiki/Associated_Press)
  238. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-242) [Dengue fever epidemic hits Caribbean, Latin America](http://www.alertnet.org/thenews/newsdesk/NA5209573.htm) [Archived](https://web.archive.org/web/20090803084737/http:/www.alertnet.org/thenews/newsdesk/NA5209573.htm) 2009-08-03 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), Reuters
  239. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-243) [*"Q-koorts nog niet voorbij: In totaal al 95 doden"*](https://www.nu.nl/binnenland/5550881/q-koorts-nog-niet-voorbij-in-totaal-al-95-doden.html)*. nu.nl (in Dutch). 3 November 2018. Retrieved 4 February 2021.*
  240. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-244) [Thousands hit by Brazil outbreak of dengue](https://edition.cnn.com/2008/HEALTH/conditions/04/03/brazil.dengue/index.html) *edition.cnn.com*, accessed 16 February 2020
  241. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-245) [Cambodia suffers worst dengue epidemic, 407 dead](http://www.alertnet.org/thenews/newsdesk/BKK133167.htm) [Archived](https://web.archive.org/web/20091111203520/http:/www.alertnet.org/thenews/newsdesk/BKK133167.htm) 2009-11-11 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), Reuters
  242. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-246) [*"Cholera epidemic in western Chad kills 123"*](http://www.irinnews.org/report.aspx?reportid=51238)*. 2004-09-02.*[*Archived*](https://web.archive.org/web/20090112054136/http:/www.irinnews.org/report.aspx?reportid=51238)*from the original on 2009-01-12. Retrieved 2008-06-08.*
  243. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-HFMD_247-0) *Huang, Jiao; Liao, Qiaohong; Ooi, Mong How; Cowling, Benjamin J.; Chang, Zhaorui; Wu, Peng; Liu, Fengfeng; Li, Yu; Luo, Li; Yu, Shuanbao; Yu, Hongjie; Wei, Sheng (2018).*[*"Epidemiology of Recurrent Hand, Foot and Mouth Disease, China, 2008–2015"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5823341)*. Emerging Infectious Diseases.****24****(3).*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid2403.171303*](https://doi.org/10.3201%2Feid2403.171303)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*5823341*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5823341)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*29460747*](https://pubmed.ncbi.nlm.nih.gov/29460747)*.2008–2015, ≈13 million HFMD cases were reported, including 123,261 severe cases and 3,322 deaths in 31 provinces of mainland China*
  244. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-248) [Cholera death toll in India rises](http://news.bbc.co.uk/2/hi/south_asia/6968281.stm) [Archived](https://web.archive.org/web/20171111043033/http:/news.bbc.co.uk/2/hi/south_asia/6968281.stm) 2017-11-11 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine), BBC News
  245. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-249) [*"Madagascar: eighteen dead from Bubonic Plague, five in hospital since 1 January 2008"*](https://web.archive.org/web/20090509210150/http:/eldib.wordpress.com/2008/01/10/2175/)*. Archived from*[*the original*](http://eldib.wordpress.com/2008/01/10/2175/)*on May 9, 2009.*
  246. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-250) [*"Dengue cases in Philippines rise by 43 percent: government"*](http://www.terradaily.com/reports/Dengue_cases_in_Philippines_rise_by_43_percent_government_999.html)*.*[*Archived*](https://web.archive.org/web/20171017153157/http:/www.terradaily.com/reports/Dengue_cases_in_Philippines_rise_by_43_percent_government_999.html)*from the original on 17 October 2017. Retrieved 16 November 2014.*
  247. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-WHOZim_251-0) [*"Cholera Country Profile: Zimbabwe"*](https://www.who.int/cholera/countries/ZimbabweCountryProfileOct2009.pdf)*(PDF). World Health Organization – Global Task Force on Cholera Control. 31 October 2009. Retrieved 16 February2020.*
  248. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-252) *Brathwaite Dick O, San Martín JL, Montoya RH, del Diego J, Zambrano B, Dayan GH (2012).*[*"The history of dengue outbreaks in the Americas"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3516305)*. Am J Trop Med Hyg.****87****(4): 584–593.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.4269/ajtmh.2012.11-0770*](https://doi.org/10.4269%2Fajtmh.2012.11-0770)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*3516305*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3516305)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*23042846*](https://pubmed.ncbi.nlm.nih.gov/23042846)*.*
  249. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-253) [*"NDTV Report"*](https://web.archive.org/web/20090225134231/http:/www.ndtv.com/convergence/ndtv/story.aspx?id=NEWEN20090084387)*. Archived from*[*the original*](http://www.ndtv.com/convergence/ndtv/story.aspx?id=NEWEN20090084387)*on 2009-02-25. Retrieved2009-02-23.*
  250. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-254) *McCredie, J. (2009). "Dengue fever epidemic hits northern Australia". BMJ.****338****: b967.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1136/bmj.b967*](https://doi.org/10.1136%2Fbmj.b967)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*19273518*](https://pubmed.ncbi.nlm.nih.gov/19273518)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*41469446*](https://api.semanticscholar.org/CorpusID:41469446)*.*
  251. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-255) *Odigwe, C. (2009). "West Africa has worst meningitis epidemic for 10 years".BMJ.****338****: b1638.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1136/bmj.b1638*](https://doi.org/10.1136%2Fbmj.b1638)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*19383759*](https://pubmed.ncbi.nlm.nih.gov/19383759)*.*[*S2CID*](https://en.wikipedia.org/wiki/S2CID_(identifier))[*11085562*](https://api.semanticscholar.org/CorpusID:11085562)*.*
  252. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-256) [*"First Global Estimates of 2009 H1N1 Pandemic Mortality Released by CDC-Led Collaboration"*](https://www.cdc.gov/flu/spotlights/pandemic-global-estimates.htm)*. www.cdc.gov. 2019-11-20. Retrieved 2020-03-12.*
  253. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-257) [*"Pandemic (H1N1) 2009"*](https://www.who.int/csr/don/2010_08_06/en/)*.*
  254. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-258) [*"Epidemiological Update Cholera 28 Dec 2017"*](http://www.paho.org/hq/index.php?option=com_docman&task=doc_download&Itemid=&gid=43291&lang=pt)*. www.paho.org.*
  255. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-259) [*"Doctorswithoutborders.org"*](https://web.archive.org/web/20110927220605/http:/www.doctorswithoutborders.org/press/release.cfm?id=5132&cat=press-release)*. MSF USA. Archived from*[*the original*](http://www.doctorswithoutborders.org/press/release.cfm?id=5132&cat=press-release)*on 27 September 2011. Retrieved 16 November 2014.*
  256. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-260) [*"Democratic Republic of Congo: More measles vaccinations needed"*](http://www.msf.org/article/democratic-republic-congo-more-measles-vaccinations-needed)*.Médecins Sans Frontières (MSF) International.*[*Archived*](https://web.archive.org/web/20141102114052/http:/www.msf.org/article/democratic-republic-congo-more-measles-vaccinations-needed)*from the original on 2 November 2014. Retrieved 16 November 2014.*
  257. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-261) [Vietnam on alert as common virus kills 81 children – Yahoo News](https://news.yahoo.com/vietnam-alert-common-virus-kills-81-children-071532226.html) [Archived](https://web.archive.org/web/20160305003723/http:/news.yahoo.com/vietnam-alert-common-virus-kills-81-children-071532226.html)2016-03-05 at the [Wayback Machine](https://en.wikipedia.org/wiki/Wayback_Machine). News.yahoo.com (2011-08-19). Retrieved on 2014-05-12.
  258. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-262) *Nguyen, Ngoc TB; Pham, Hau V.; Hoang, Cuong Q.; Nguyen, Tien M.; Nguyen, Long T.; Phan, Hung C.; Phan, Lan T.; Vu, Long N.; Tran Minh, Nguyen N. (2014).*[*"Epidemiological and clinical characteristics of children who died from hand, foot and mouth disease in Vietnam, 2011"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4068316)*. BMC Infectious Diseases.****14****: 341.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1186/1471-2334-14-341*](https://doi.org/10.1186%2F1471-2334-14-341)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*4068316*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4068316)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*24942066*](https://pubmed.ncbi.nlm.nih.gov/24942066)*.*
  259. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-263) [Surveillance, forecasting and response International conference on dengue control, 27–29 February 2012](http://www.emro.who.int/surveillance-forecasting-response/surveillance-events/conference-on-dengue-control.html) *www.emro.who.int* accessed 16 February 2020
  260. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-264) *Yuill, Thomas M.; Woodall, John P.; Baekeland, Susan (2013).*[*"Latest outbreak news from ProMED-mail. Yellow fever outbreak–Darfur Sudan and Chad"*](https://doi.org/10.1016%2Fj.ijid.2013.03.009)*.International Journal of Infectious Diseases.****17****(7): e476–e478.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1016/j.ijid.2013.03.009*](https://doi.org/10.1016%2Fj.ijid.2013.03.009)*.*
  261. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-265) [*"Geographical distribution of confirmed MERS-CoV cases by country of infection and year"*](https://www.ecdc.europa.eu/en/publications-data/geographical-distribution-confirmed-mers-cov-cases-country-infection-and-year)*. European Centre for Disease Prevention and Control. 1 February 2021. Retrieved 28 February 2021.*
  262. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-266) ["7th person dies of dengue"](http://www.channelnewsasia.com/news/singapore/7th-person-dies-of-dengue/893740.html) *Channel Newsasia* Retrieved 2013-11-20
  263. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-267) [*"Vietnam measles outbreak kills more than 100 people, mostly children"*](https://www.smh.com.au/world/vietnam-measles-outbreak-kills-more-than-100-people-mostly-children-20140418-zqwkk.html)*.*[*Sydney Morning Herald*](https://en.wikipedia.org/wiki/Sydney_Morning_Herald)*. 18 April 2014.*
  264. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-268) [*"2014–2016 Ebola Outbreak in West Africa (section titled 'Impact')"*](https://www.cdc.gov/vhf/ebola/history/2014-2016-outbreak/index.html)*.www.cdc.gov. 2019-08-22. Retrieved 2020-02-14.*
  265. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-269) [*"Situation summary Latest available situation summary, 26 June 2015. World Health Organisation (2015-06-19). Retrieved on 2015-06-20"*](http://apps.who.int/gho/data/view.ebola-sitrep.ebola-summary-latest?lang=en)*.*[*Archived*](https://web.archive.org/web/20160605002217/http:/apps.who.int/gho/data/view.ebola-sitrep.ebola-summary-latest?lang=en)*from the original on 5 June 2016. Retrieved 27 June 2015.*
  266. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-270) *Gignoux, Etienne; Idowu, Rachel; Bawo, Luke; Hurum, Lindis; Sprecher, Armand; Bastard, Mathieu; Porten, Klaudia (2015).*[*"Use of Capture–Recapture to Estimate Underreporting of Ebola Virus Disease, Montserrado County, Liberia"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4672419)*.Emerging Infectious Diseases.****21****(12): 2265–2267.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.3201/eid2112.150756*](https://doi.org/10.3201%2Feid2112.150756)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*4672419*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4672419)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*26583831*](https://pubmed.ncbi.nlm.nih.gov/26583831)*.*
  267. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-271) [*"Número de casos informados de artritis epidémica chikungunya en las Américas – SE 5 (February 6, 2015)"*](http://www.paho.org/hq/index.php?option=com_topics&view=article&id=343&Itemid=40931&lang=es)*. Pan American Health Organization.*[*Archived*](https://web.archive.org/web/20150218071201/http:/www.paho.org/hq/index.php?option=com_topics&view=article&id=343&Itemid=40931&lang=es)*from the original on February 18, 2015. Retrieved February 11, 2015.*
  268. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-272) [*"FAO H7N9 situation update – Avian Influenza A(H7N9) virus"*](http://www.fao.org/ag/againfo/programmes/en/empres/H7N9/situation_update.html)*. www.fao.org. 2019-12-04. Retrieved 2020-06-10.*
  269. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-273) [*"Plague – Madagascar"*](https://www.who.int/csr/don/21-november-2014-plague/en/)*. WHO. World Health Organization.*[*Archived*](https://web.archive.org/web/20190502001426/https:/www.who.int/csr/don/21-november-2014-plague/en/)*from the original on 2 May 2019. Retrieved 5 July 2016.*
  270. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Grapples_274-0) [*"Odisha grapples with jaundice outbreak"*](http://www.deccanherald.com/content/460129/odisha-grapples-jaundice-outbreak.html)*.*[*Deccan Herald*](https://en.wikipedia.org/wiki/Deccan_Herald)*. 17 February 2015.*[*Archived*](https://web.archive.org/web/20150217120135/http:/www.deccanherald.com/content/460129/odisha-grapples-jaundice-outbreak.html)*from the original on 17 February 2015. Retrieved 17 February 2015.*
  271. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-THE2_275-0) *Press Trust of India (March 21, 2015).*[*"Swine flu deaths at 1895; number of cases near 32K mark"*](http://indianexpress.com/article/india/india-others/swine-flu-deaths-at-1895-cases-near-32k-mark/)*.*[*The Indian Express*](https://en.wikipedia.org/wiki/The_Indian_Express)*.*[*Archived*](https://web.archive.org/web/20151012003206/http:/indianexpress.com/article/india/india-others/swine-flu-deaths-at-1895-cases-near-32k-mark/)*from the original on October 12, 2015. Retrieved March 21, 2015.*
  272. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-DeadlySwineFlu_276-0) [*"India struggles with deadly swine flu outbreak"*](https://www.bbc.com/news/world-asia-india-31547455)*.*[*BBC News*](https://en.wikipedia.org/wiki/BBC_News)*. 20 February 2015.*[*Archived*](https://web.archive.org/web/20150221082410/http:/www.bbc.com/news/world-asia-india-31547455)*from the original on 21 February 2015. Retrieved 21 February2015.*
  273. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-GJDeadlySwineFlu_277-0) [*"Death toll Gujarat"*](http://www.business-standard.com/article/pti-stories/swine-flu-claims-5-more-lives-toll-mounts-to-387-in-gujarat-115031500609_1.html)*.*[*Business Standard*](https://en.wikipedia.org/wiki/Business_Standard)*. 15 March 2015.*[*Archived*](https://web.archive.org/web/20150402093322/http:/www.business-standard.com/article/pti-stories/swine-flu-claims-5-more-lives-toll-mounts-to-387-in-gujarat-115031500609_1.html)*from the original on 2 April 2015. Retrieved 15 March 2015.*
  274. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-278) [*"2015–16 Zika Virus Epidemic"*](https://www.worldwideoutbreak.com/blog/cool_timeline/2015-16-zika-virus-epidemic)*. worldwideoutbreak. Retrieved 12 May 2020.*
  275. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-279) [*"Yellow fever – countries with dengue: alert 2016-03-28 20:39:56 Archive Number: Archive Number: 20160328.4123983"*](http://www.promedmail.org/post/4123983)*. ProMED-mail. International Society for Infectious Diseases.*[*Archived*](https://web.archive.org/web/20160410065146/http:/www.promedmail.org/post/4123983)*from the original on 10 April 2016. Retrieved 29 March 2016.*
  276. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-280) WHO Regional Office for the Eastern Mediterranean [Cholera Situation in Yemen November 2019"](http://applications.emro.who.int/docs/YEM/YEM-Chol-Nov-2019-eng.pdf?ua=1). Retrieved 30 November 2019.
  277. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-281) [*"Pakistan: Dengue Outbreak – Sep 2017"*](https://reliefweb.int/disaster/ep-2017-000133-pak)*. reliefweb.int. WHO. 16 December 2019. Retrieved 15 May 2020.*
  278. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-282) [Encephalitis outbreak: AES is a perennial issue in eastern Uttar Pradesh, northern Bihar](https://www.indiatvnews.com/news/india-encephalitis-outbreak-gorakhpur-muzaffarpur-jev-aes-eastern-uttar-pradesh-northern-bihar-527836) Bihar's AES data summary looks more like a repeat of 2017 when a major JEV outbreak in Uttar Pradesh's Gorakhpur claimed the lives of many children. 17 June 2019 *www.indiatvnews.com*, accessed 17 February 2020
  279. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-283) [*"Trends"*](http://www.epid.gov.lk/web/index.php?option=com_casesanddeaths&Itemid=448&lang=en)*. www.epid.gov.lk. Retrieved 2020-12-25.*
  280. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-284) [*"Archived Estimated Influenza Illnesses, Medical visits, Hospitalizations, and Deaths in the United States — 2017–2018 influenza season | CDC"*](https://www.cdc.gov/flu/about/burden/2017-2018/archive.htm)*.www.cdc.gov. 22 November 2019. Retrieved 15 May 2020.*
  281. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-285) [*"Over 80,000 Americans Died of Flu Last Winter, Highest Toll in Years"*](https://www.nytimes.com/2018/10/01/health/flu-deaths-vaccine.html)*. The New York Times Company. 1 October 2018. Retrieved 10 April 2020.*
  282. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-286) *Belluz, Julia (27 September 2018).*[*"80,000 Americans died of the flu last winter. Get your flu shot"*](https://www.vox.com/2018/9/27/17910318/flu-deaths-2018-epidemic-outbreak-shot)*. Vox. Retrieved 10 April 2020.*
  283. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-287) [*"Disease Burden of Influenza"*](https://www.cdc.gov/flu/about/burden/index.html)*. www.cdc.gov. 17 April 2020. Retrieved 14 May2020.*
  284. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-288) [*"Nipah virus contained, last two positive cases have recovered: Kerala Health Min"*](https://www.thenewsminute.com/article/nipah-virus-contained-last-two-positive-cases-have-recovered-kerala-health-min-82809)*. The News Minute. 2018-06-11. Retrieved 2020-02-16.*
  285. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-289) [*"Operations Dashboard for ArcGIS"*](https://who.maps.arcgis.com/apps/opsdashboard/index.html#/e70c3804f6044652bc37cce7d8fcef6c)*. who.maps.arcgis.com. 25 June 2020. Retrieved 28 June 2020.*
  286. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-290) [*"Ebola Virus Disease Outbreak Uganda Situation Reports"*](https://www.afro.who.int/publications/ebola-virus-disease-outbreak-uganda-situation-reports)*. WHO | Regional Office for Africa.*[*Archived*](https://web.archive.org/web/20190620130334/https:/www.afro.who.int/publications/ebola-virus-disease-outbreak-uganda-situation-reports)*from the original on 20 June 2019. Retrieved3 September 2019.*
  287. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-291) [*"DR Congo's deadliest Ebola outbreak declared over"*](https://www.bbc.com/news/world-africa-53179323)*. BBC News. 25 June 2020. Retrieved 25 June 2020.*
  288. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-292) [*"Superbug That Surfaced In Delhi Strikes In Italy's Tuscany"*](https://www.ndtv.com/world-news/superbug-that-surfaced-in-delhi-strikes-in-italys-tuscany-2100068)*. ndtv.com. 12 September 2019. Retrieved 8 February 2021.*
  289. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-293) [*"DRC: More Ebola and plague cases reported, End of measles epidemic declared"*](http://outbreaknewstoday.com/drc-more-ebola-and-plague-cases-reported-end-of-measles-epidemic-declared-74655/)*.*
  290. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-NZmeasles_294-0) [*"Measles weekly report"*](https://surv.esr.cri.nz/PDF_surveillance/MeaslesRpt/2020/measlesReport20200210.pdf)*(PDF). Public Health Surveillance. 24 February 2020. Retrieved 4 March 2021.*
  291. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-295) *Tomacruz, Sofia (11 February 2019).*[*"At least 70 deaths due to measles – DOH"*](https://www.rappler.com/nation/223208-doh-report-deaths-due-to-measles-february-2019)*. Rappler. Retrieved 11 February 2019.*
  292. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-296) *Alyssa J. Oon (17 June 2019).*[*"A Measles Outbreak Is The Cause of 15 Orang Asli Deaths In Kelantan"*](https://says.com/my/news/mysterious-illness-causing-deaths-of-kampung-kuala-koh-orang-asli-identified-as-measles)*. Says.com.*[*Archived*](https://web.archive.org/web/20190827033231/https:/says.com/my/news/mysterious-illness-causing-deaths-of-kampung-kuala-koh-orang-asli-identified-as-measles)*from the original on 27 August 2019. Retrieved 27 August 2019.*
  293. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-Samoa83_297-0) [*"Two more deaths from measles in samoa over new year period"*](https://www.rnz.co.nz/international/pacific-news/406802/two-more-deaths-from-measles-in-samoa-over-new-year-period)*. Radio New Zealand. 2020-01-07.*[*Archived*](https://web.archive.org/web/20200107105921/https:/www.rnz.co.nz/international/pacific-news/406802/two-more-deaths-from-measles-in-samoa-over-new-year-period)*from the original on 2020-01-07.*
  294. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-298) [*"Dengue and severe dengue"*](https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue)*. World Health Organization (WHO). 2 March 2020.*
  295. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-299) [*"ArcGIS Dashboards- COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University"*](https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6)*.gisanddata.maps.arcgis.com. Retrieved 25 April 2021.*
  296. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-300) [*"Nigeria reports 2 Lassa fever deaths in first week of 2021"*](http://outbreaknewstoday.com/nigeria-reports-2-lassa-fever-deaths-in-first-week-of-2021)*. 19 January 2021. Retrieved 28 January 2021.*
  297. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-301) [*"UNICEF welcomes end of Ebola outbreak in the Equateur Province of the DRC"*](https://www.unicef.org/press-releases/unicef-welcomes-end-ebola-outbreak-equateur-province-drc)*. www.unicef.org. Retrieved 18 November 2020.*
  298. [**^**](https://en.wikipedia.org/wiki/List_of_epidemics#cite_ref-302) [*"YELLOW FEVER SITUATION REPORT week 53 (December 31 2020)"*](https://ncdc.gov.ng/diseases/sitreps/?cat=10&name=An%20update%20of%20Yellow%20Fever%20outbreak%20in%20Nigeria)*.Nigeria Centre for Disease Control. 31 Dec 2020. Retrieved 27 Jan 2021.*

Further reading

* Barry, John M. *The Great Influenza.* New York: Viking Penguin, 2018. ("Spanish flu" epidemic 1918–1919)
* Defoe, Daniel. *A Journal of the Plague Year*. Zweihandler Press, 2019. (London bubonic plague 1665)
* Eisenberg, Merle, and Lee Mordechai. "The Justinianic Plague and Global Pandemics: The Making of the Plague Concept." *American Historical Review* 125.5 (2020): 1632-1667.
* Fenn, Elizabeth A. *Pox Americana: The Great Smallpox Epidemic of 1775-82*. New York: Hill & Wang, 2001.
* *Hunter, Philip (2007).*[*"Inevitable or avoidable? Despite the lessons of history, the world is not yet ready to face the next great plague"*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2002527)*. EMBO Reports.****8****(6): 531–534.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1038/sj.embor.7400987*](https://doi.org/10.1038%2Fsj.embor.7400987)*.*[*PMC*](https://en.wikipedia.org/wiki/PMC_(identifier))[*2002527*](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2002527)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*17545992*](https://pubmed.ncbi.nlm.nih.gov/17545992)*.*
* [*Mouritz, A. A. St. M.*](https://en.wikipedia.org/wiki/Arthur_Albert_St._Mouritz)*(1921).*[*The Flu: A Brief History of Influenza in U.S. America, Europe, Hawaii*](https://collections.nlm.nih.gov/bookviewer?PID=nlm:nlmuid-101283076-bk#page/3/mode/1up/)*. Honolulu, Hawaii, U.S. America: Advertiser Publishing Co.*
* *Pacheco, Daniela Alexandra de Meneses Rocha; Rodrigues, Acácio Agostinho Gonçalves; Silva, Carmen Maria Lisboa da (October 2016).*[*"Ebola virus – from neglected threat to global emergency state"*](https://doi.org/10.1590%2F1806-9282.62.05.458)*. Revista da Associação Médica Brasileira.****62****(5): 458–467.*[*doi*](https://en.wikipedia.org/wiki/Doi_(identifier))*:*[*10.1590/1806-9282.62.05.458*](https://doi.org/10.1590%2F1806-9282.62.05.458)*.*[*PMID*](https://en.wikipedia.org/wiki/PMID_(identifier))[*27656857*](https://pubmed.ncbi.nlm.nih.gov/27656857)*.*
* Seager, Nicholas. "Lies, Damned Lies, and Statistics: Epistemology and Fiction in Defoe's 'A Journal of the Plague Year'." *The Modern Language Review* (2008): 639-653. [online](https://www.academia.edu/download/45767747/Seager_MLR_2008.pdf)