Examples of infectious disease threats, unusual health events, and newly discovered pathogens, worldwide, 2000–2011

2000

1. Outbreak of Rift Valley fever in Saudi Arabia and Yemen, representing the first reported cases of the disease outside the African continent
2. First detection of carbapenem resistance among the common gram-negative bacteria Enterobacteriaceae (Klebsiella pneumoniae)

2001

2. Identification in the Netherlands of a new virus, human metapneumovirus, among children with respiratory infections

2002

3. First detection of Staphylococcus aureus bacteria completely resistant to vancomycin

2003

4. Outbreak of multidrug-resistant Salmonella Newport in the United States
5. Norovirus infection on cruise ships entering U.S. ports
6. Global outbreak of severe acute respiratory syndrome (SARS) caused by a previously unknown coronavirus

2005

7. Identification of a new, hypervirulent strain of Clostridium difficile as the cause of hospital outbreaks of gastrointestinal illness in the United States and Canada
8. Cases of monkeypox in the United States linked to exotic pets imported from Central Africa
9. Re-emergence of avian influenza A (H5N1) in Southeast Asia, and outbreaks in Africa

2006

10. Rift Valley fever outbreak in Kenya
11. Ebola hemorrhagic fever outbreak in the Democratic Republic of the Congo

2007

12. Outbreak of Nipah virus encephalitis in Bangladesh
13. First detection in Italy of mosquito-borne transmission of chikungunya fever, previously detected only in parts of Africa and South and Southeast Asia
14. Discovery in Thailand of a new human species of Bartonella, an insect-borne bacteria that multiplies inside red blood cells causing fever, fatigue, muscle pain, headache, and rash
15. Hemorrhagic fever outbreak in Uganda caused by a new strain of Ebola: Bundibugyo Ebola virus
16. Outbreak of Marburg hemorrhagic fever in Uganda

2008

17. Ebola-like outbreak in Zambia due to a previously unknown virus: Lujo hemorrhagic fever virus
18. Isolation in Australia of a new virus (transplant-associated arenavirus related to lymphocytic choriomeningitis virus) after three recipients of liver or kidney transplants from a single donor developed febrile illness and died

2009–10

19. Increasing outbreaks and international spread of carbapenem-resistant Enterobacteriaceae, and first detection of New Delhi metallo-beta-lactamase (NDM-1), a genetic element that can confer such resistance
20. Locally transmitted dengue in Florida, representing the first cases acquired in the continental United States outside the Texas–Mexico border since 1945

2010

21. Outbreak of Shiga toxin-producing Escherichia coli O104:H4 (STEC O104:H4) infections in Germany

2011

22. Identification by an international team of researchers of a strain of gonorrhea (H041) resistant to all available antibiotics

Source: CDC