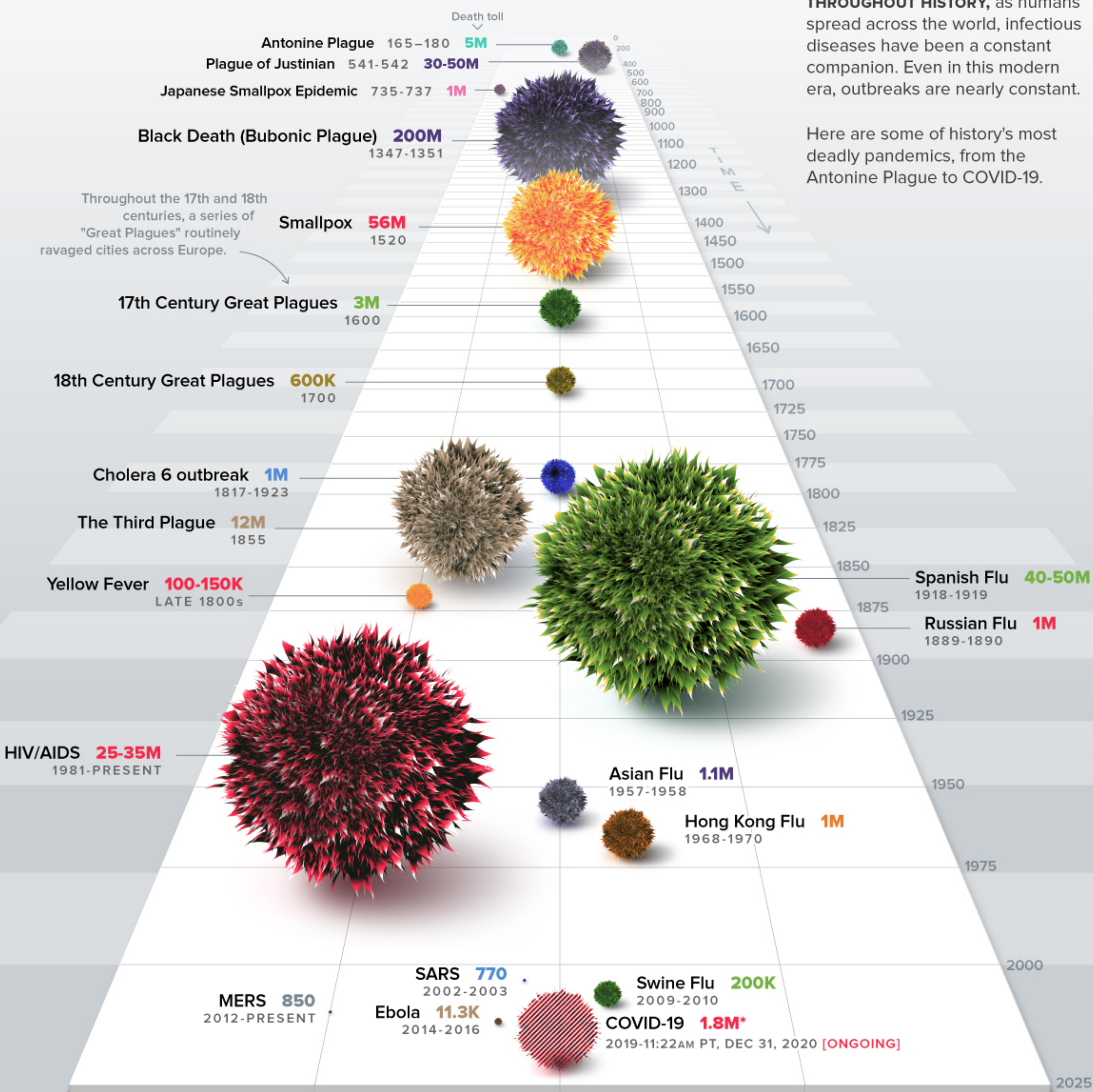


# HISTORY OF PANDEMICS

**PAN-DEM-IC** (of a disease) prevalent over a whole country or the world.

**THROUGHOUT HISTORY**, as humans spread across the world, infectious diseases have been a constant companion. Even in this modern era, outbreaks are nearly constant.

Here are some of history's most deadly pandemics, from the Antonine Plague to COVID-19.



## DEATH TOLL [HIGHEST TO LOWEST]

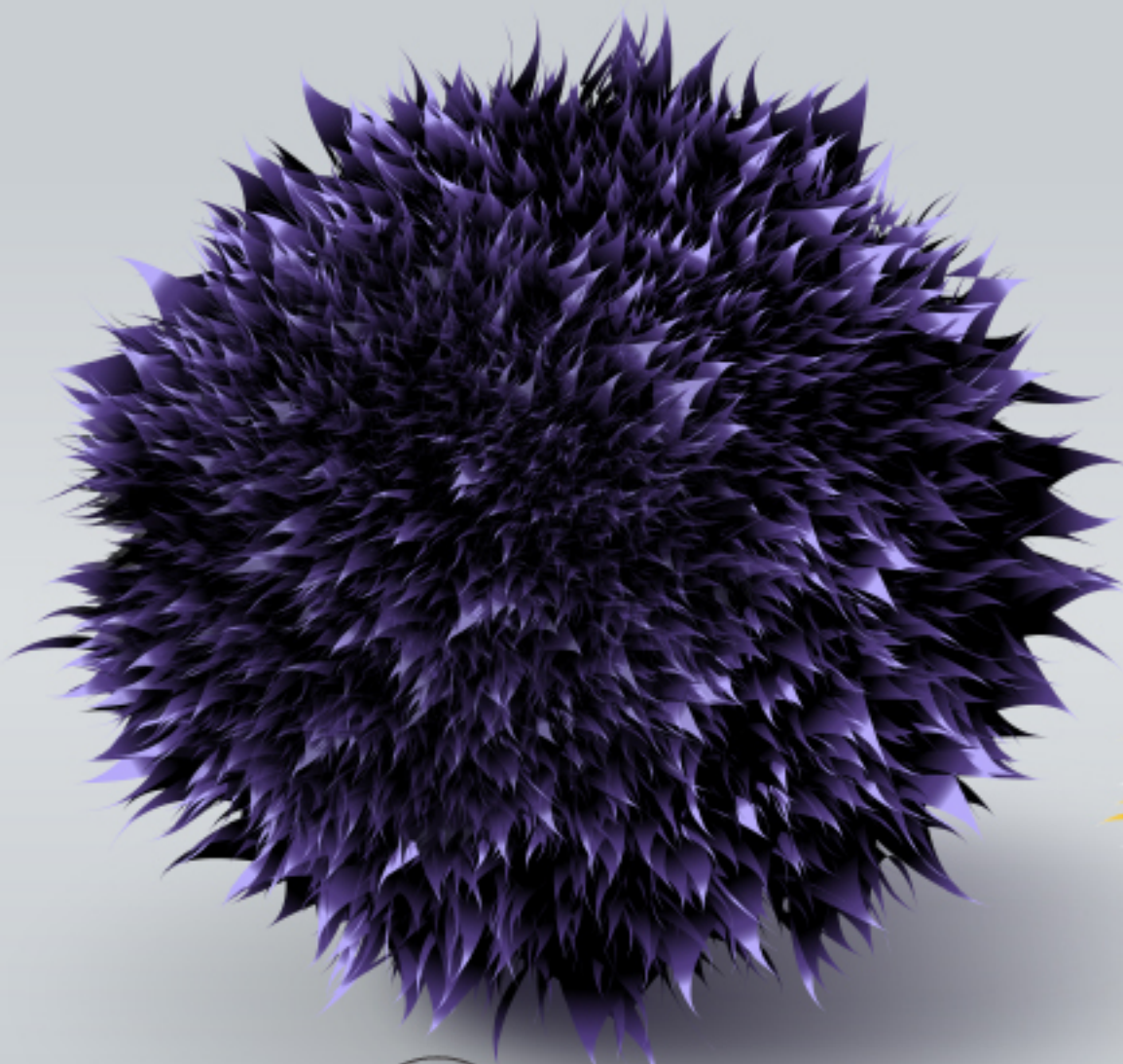
WHO officially declared COVID-19 a pandemic on Mar 11, 2020.

It is hard to calculate and forecast the impact of COVID-19 because the disease is new to medicine, and data is still coming in.

\*Johns Hopkins University estimates

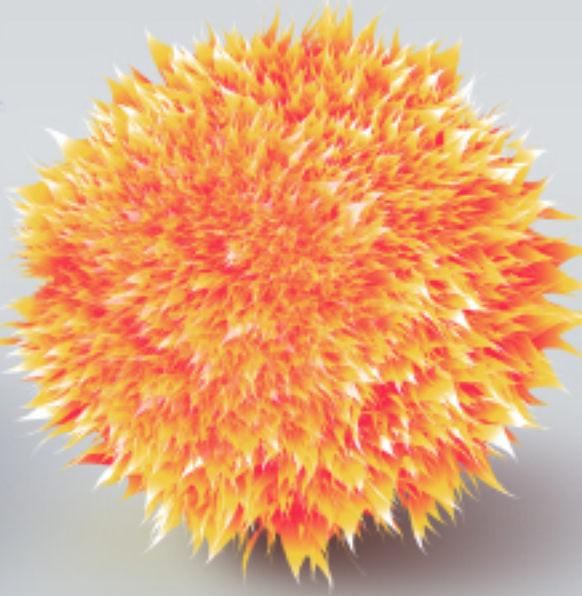
**200M**

**Black Death (Bubonic Plague)**  
1347-1351



**56M**

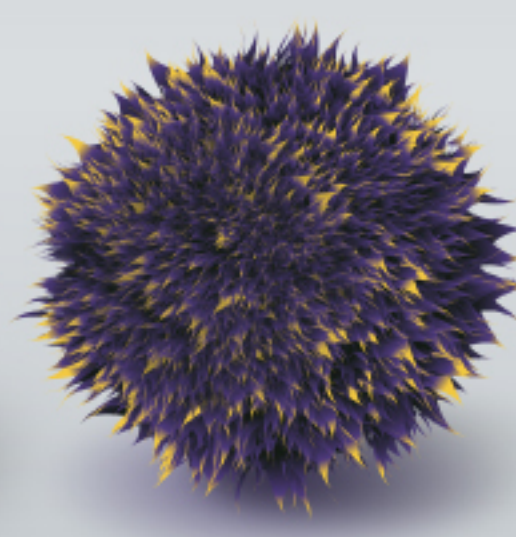
**Smallpox**  
1520



**40-50M**  
**Spanish Flu**  
1918-1919



**30-50M**  
**Plague of Justinian**  
541-542

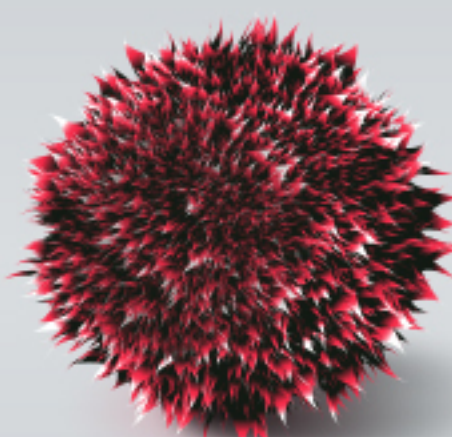


The plague originated in rats and spread to humans via infected fleas.

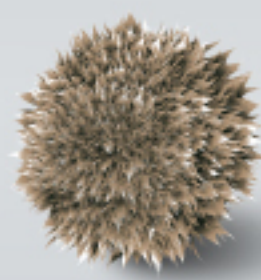
The outbreak wiped out 30-50% of Europe's population. It took more than 200 years for the continent's population to recover.

Smallpox killed an estimated 90% of Native Americans. In Europe during the 1800s, an estimated 400,000 people were being killed by smallpox annually. The first ever vaccine was created to ward off smallpox.

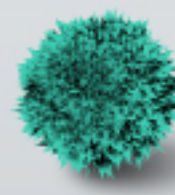
The death toll of this plague is still under debate as new evidence is uncovered, but many think it may have helped hasten the fall of the Roman Empire.



**25-35M**  
**HIV/AIDS**  
1981-PRESENT



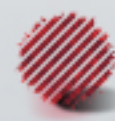
**12M**  
**The Third Plague**  
1855



**5M**  
**Antonine Plague**  
165-180



**3M**  
**17th Century Great Plagues**  
1600



**1.8M\***  
**COVID-19**  
2019-11:22AM PT, DEC 31, 2020 [ONGOING]



**1.1M**  
**Asian Flu**  
1957-1958



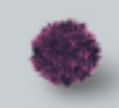
**1M**  
**Russian Flu**  
1889-1890



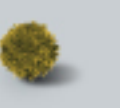
**1M**  
**Hong Kong Flu**  
1968-1970



**1M**  
**Cholera 6 outbreak**  
1817-1923



**1M**  
**Japanese Smallpox Epidemic**  
735-737



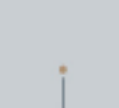
**600K**  
**18th Century Great Plagues**  
1700



**200K**  
**Swine Flu**  
2009-2010



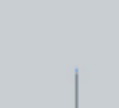
**100-150K**  
**Yellow Fever**  
LATE 1800s



**11.3K**  
**Ebola**  
2014-2016



**850**  
**MERS**  
2012-PRESENT



**770**  
**SARS**  
2002-2003

\*Johns Hopkins University estimates

Sources:  
CDC, WHO, BBC,  
Wikipedia,  
Historical records,  
Encyclopedia Britannica  
Johns Hopkins University



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