

A glance at vaccine development over the centuries

1700s

1798 Edward Jenner coins the terms “vaccine” and “vaccination” as part of his work on a smallpox vaccine

1800s

1800 Smallpox vaccination becomes commonplace

1870s - 1880s Louis Pasteur develops first live bacterial vaccine for chicken cholera and the first live viral vaccine for rabies

1900s

1918 Spanish flu pandemic kills 25-50 million worldwide

1926 - 1928 Development of tuberculosis, diphtheria, tetanus, whooping cough vaccines

1945 An inactivated influenza vaccine is licensed in the U.S.

1950 - 1960 First combination vaccines developed (DTP - diphtheria, tetanus, whooping cough)

1952 Nearly 60,000 cases of polio are documented in the U.S.

1955 First polio vaccine pioneered by Jonas Salk is licensed in the U.S.

1961 An orally administered polio vaccine developed by Albert Sabin is licensed in the U.S.

1963 Measles vaccine is licensed in the U.S.

1974 Meningococcal polysaccharide vaccine is licensed in the U.S.

1980 Smallpox is the first infectious disease eradicated by vaccination

1986 First genetically engineered vaccine (hepatitis B) is developed

2000s

2000s Measles and rubella are no longer endemic in the U.S.

2006 Human papillomavirus vaccine (HPV) is licensed in the U.S.

2009 Vaccines against 2009 H1N1 pandemic strain and high-dose influenza vaccine are licensed in the U.S. More than 12,000 Americans died during the H1N1 pandemic.

2020

Several vaccines are in development stage for SARS-CoV-2, the coronavirus that causes COVID-19. As of November 23, 2020, nearly 1.4 million people worldwide have died during the pandemic and more than 58 million confirmed cases of COVID-19 have been reported.



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