Historical vaccine development and introduction of routine vaccine programmes in the uk

1700s

- **1796** Development of first smallpox vaccine

1800s

- **1885** Pasteur creates the first live attenuated viral vaccine (rabies)
- **1870** Louis Pasteur creates first live attenuated bacterial vaccine (chicken cholera)
- **1896** Typhoid

1900s

- **1909** Calmette and Guerin create BCG, the first live attenuated bacterial vaccine for humans
- **1900s** Cholera

1910

1920

1930

1940

- **1942** Diphtheria

1950

- **1950** BCG
- **1956** Inactivated polio
- **1957** Pertussis

1960

- **1962** Live oral polio
- **1968** Measles
- **1961** Tetanus

1970

- **1970** Rubella

1980

- **1988** MMR

1990

- **1992** Hib conjugate
- **1994** Adolescent tetanus and diphtheria
- **1999** Meningococcal C conjugate

2000

- **2000** Seasonal infleuenza, over-65s

2001

- **2001** Preschool acellular pertussis

2002

2003

2004

- **2004** Inactivated polio (DTaP/IPV/Hib/DTaP/IPV/TD/IPV)
- **2004** Pneumococcal polysaccharide (PPV)

2005

2006

- **2006** Combined Hib/MenC
- **2006** Pneumococcal conjugate PCV7

2007

2008

- **2008** Human papilomavirus (HPV) for girls

2009

- **2009** Pandemic influenza

2010

- **2010** Pneumococcal conjugate PCV13
- **2010** Maternal influenza

2011

2012

- **2012** Maternal pertussis

2013

- **2013** Children's influenza
- **2013** Shingles
- **2013** Rotavirus

2014

2015

- **2015** Menigococcal B
- **2015** Menigococcal ACWY

2016

2017

- **2017** Hexavalent DTaP/IPV/Hib/HepB

2018

2019

- **2019** Human papilomavirus (HPV) universal programme