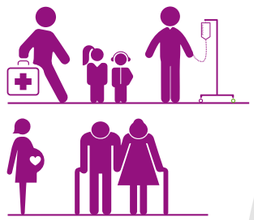
Public health benefits of vaccination

abpi
Bringing medicines to *life*

With the development of new vaccines, the NHS immunisation programme has expanded to offer protection against many infectious diseases to specific age groups and those most at risk from infection or complications.[5, 20]



Vaccination greatly reduces the burden of infectious diseases[1]

Vaccination has resulted in dramatic falls in rates of many vaccine preventable diseases in the UK

Polio **100%** reduction[3]

Measles **99%** reduction[4]

Only clean water rivals vaccines at reducing infectious diseases and deaths.[1]

Immunisation has the potential to *prevent 6 million deaths* worldwide each year.[2]

The UK has long recognised vaccination as a public health priority[5,19]

1948
NHS vaccination against 2 infectious diseases[19]

2018
NHS vaccination against 20 infectious diseases[20]

Vaccines save lives and prevent disability[1,2]

Invasive meningococcal disease[12]

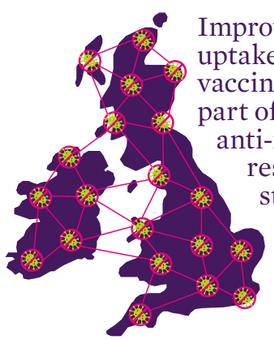
Invasive pneumococcal disease[13]

Vaccines help people with serious and long term conditions to stay healthy[14,15]

Vaccines target specific diseases but can also have *additional health benefits*[1]

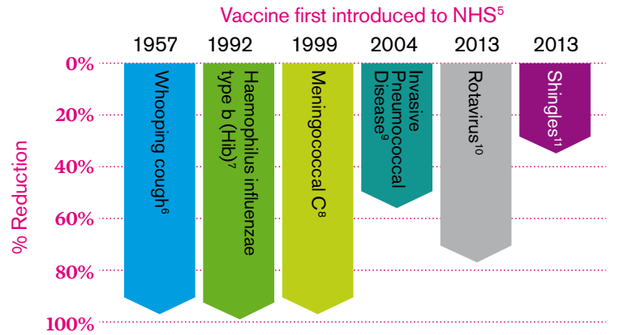
Vaccines contribute to a healthier society[16, 17]

Vaccination can help the *global fight against antibiotic resistance*[16].



Improving uptake of vaccination is part of the UK's anti-microbial resistance strategy.[18]

Disease reduction following NHS vaccination



Meningococcal and pneumococcal disease[12, 13]

- Can cause septicaemia and meningitis
- Can kill
- 20-25% of survivors of invasive disease have permanent effects including:
  - Limb amputations
  - Brain damage
  - Hearing loss
- The NHS offers vaccination against strains of meningococcus and pneumococcus to specific age groups

Influenza

A person with cancer may be more at risk of catching flu and more likely to become very ill[14]

In a US study an elderly population vaccinated against influenza had;

APPROX. 20% LESS CHANCE

of being hospitalised for cardiovascular and cerebrovascular disease than an elderly unvaccinated population[15]

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