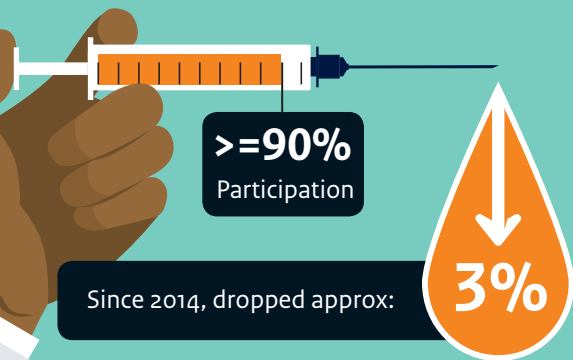
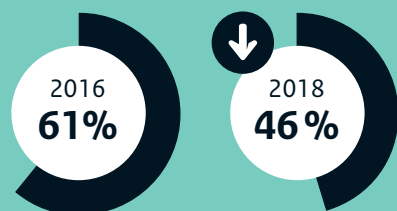


## Vaccination uptake

Participation in the Dutch National Immunisation Programme

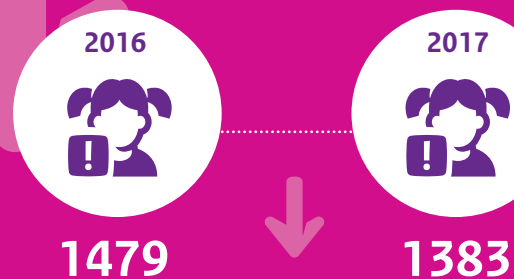


The participation in HPV vaccination declined with 15% since 2016.



Highlights surveillance 2017 - 2018

## Reported adverse events following immunisation



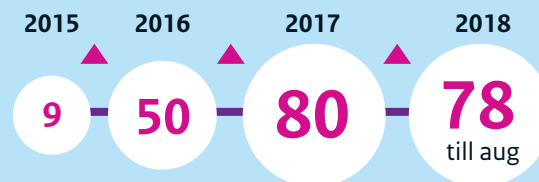
### HPV vaccination



Research shows **no association** between HPV vaccination and long-term fatigue symptoms

## Meningococcal W

Increase in number of patients per year:



Carrier status and risk are highest among adolescents

Vaccinate 14- to 18-year-olds for direct and indirect protection



Decisions Ministry of Health

## Rotavirus

Thousands of hospital admissions per year

Vaccination of risk groups is cost-effective



Eradication of mortality



Slight risk of serious side effects



### Decision

Vaccination for risk groups

## Pathogen

Measles genotypes B3 and D8 were detected; these are the two genotypes most commonly found in other European countries



## Disease



### Hepatitis B

The number of reports of acute HepB infections (115) remained stable



### Measles

16 reported cases, which exceeds previous years

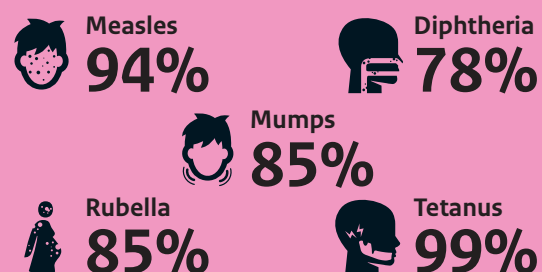


### Pertussis

3 people died: one infant and two elderly people

## Immunosurveillance

Overall seroprotection in Caribbean Netherlands:

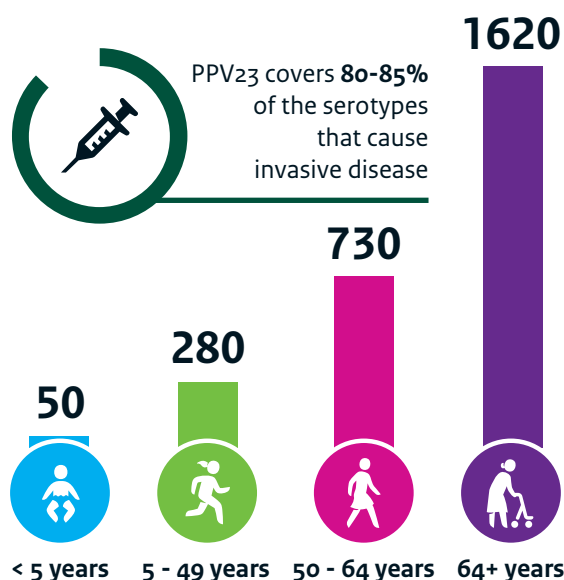


## Pneumococcal

Vaccination does not prevent all diseases caused by pneumococci, but it does reduce the number of hospital admissions and mortality



PPV23 covers 80-85% of the serotypes that cause invasive disease



Provide vaccination against pneumococci to the elderly starting at 60 years of age

## Maternal pertussis

- ✓ More than 90% effective
- ✓ Protects the newborn
- ✓ Is safe

