NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

NICE indicator guidance

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# Indicator NM199

The percentage of children who reached 5 years old in the preceding 12 months, who have received a reinforcing dose of DTaP/IPV and at least 2 doses of MMR between the ages of 1 and 5 years.

# Indicator type

General practice indicator suitable for use in the Quality and Outcomes Framework.

# Rationale

DTaP/IPV is the vaccine that protects against diphtheria, tetanus, pertussis (whooping cough) and poliomyelitis. MMR is the combined vaccine that protects against measles, mumps and rubella. These are highly infectious conditions that can have serious complications. The first MMR vaccine (MMR1) for children is due within a month of their first birthday as part of the routine vaccination schedule for England, and a second dose (MMR2) is due at around 3 years and 4 months old. A reinforcing vaccination for protection against diphtheria, tetanus, pertussis and poliomyelitis is also due at around 3 years and 4 months old ([Public Health England](https://www.gov.uk/government/publications/the-complete-routine-immunisation-schedule) 2020).

The indicator supports immunisation according to the routine immunisation schedule. Measurement by 5 years old aims to achieve full immunisation against these infectious diseases before children start school.

# Source guidance

[Immunisations: reducing differences in uptake in under 19s](https://www.nice.org.uk/guidance/ph21) (2009, updated 2017) NICE public health guideline PH21, recommendations 1, 2 and 3.

[Immunizations – childhood](https://cks.nice.org.uk/immunizations-childhood) (2020) NICE clinical knowledge summary

# Specification

Numerator: The number in the denominator who have received a dose of DTaP/IPV and at least two doses of MMR between 1 and 5 years old.

Denominator: The number of children who reached 5 years old in the preceding 12 months.

Calculation: (Numerator/denominator) \*100

Exclusions:

* Children with a confirmed anaphylactic reaction to a previous dose of the vaccines.
* Children who are immunocompromised.

Minimum population: The indicator would be appropriate to assess performance at individual general practice level.

# Further information

This is NICE indicator guidance, which is part of the [NICE menu of indicators](https://www.nice.org.uk/Standards-and-Indicators/index). This document does not represent formal NICE guidance.