NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

NICE indicator guidance

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# Indicator NM197

The percentage of babies who reached 8 months old in the preceding 12 months, who have received at least 3 doses of a diphtheria, tetanus and pertussis containing vaccine before the age of 8 months.

# Indicator type

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

# Rationale

Diphtheria, tetanus and pertussis (whooping cough) are acute infectious diseases that can have severe complications. The routine immunisation schedule states that the hexavalent (6-in-1) vaccine is due at 8, 12 and 16 weeks old for immunisation to diphtheria, tetanus and pertussis (DTaP) as well as poliomyelitis (IPV), haemophilus influenzae type B (Hib) and hepatitis B ([Public Health England](https://www.gov.uk/government/publications/the-complete-routine-immunisation-schedule) 2020).

The indicator supports early vaccination with the hexavalent vaccine according to the routine immunisation schedule. Measurement by 8 months old allows for vaccination deferral due to febrile illness but aims to achieve immunisation against the named acute infectious diseases as early as possible.

# 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 3 doses of a diphtheria, tetanus and pertussis containing vaccine before they reached 8 months old.

Denominator: The number of babies who reached 8 months old in the preceding 12 months.

Calculation: (Numerator/denominator) \*100

Exclusions: Babies with a confirmed anaphylactic reaction to a previous dose of the vaccine.

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.