

# Mortality: cardiovascular disease

NICE indicator

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[www.nice.org.uk/indicators/ind280](https://www.nice.org.uk/indicators/ind280)

## Indicator

Under 75 mortality from cardiovascular disease.

## Indicator type

Network / system level indicator. The indicator would be appropriate to understand and report on the performance of networks or systems of providers.

This document does not represent formal NICE guidance. For a full list of NICE indicators, see our [menu of indicators](#).

To find out how to use indicators and how we develop them, see our [NICE indicator process guide](#).

## Rationale

The indicator focuses on prevention of premature mortality with the aim of lowering

numbers to improve health outcomes. Cardiovascular disease (CVD) is one of the major causes of death in under 75s in England and rates are significantly higher in the most deprived deciles. [NICE's quality standard on cardiovascular risk assessment and lipid modification](#), based on NICE guidelines, includes quality statements on identifying and assessing cardiovascular disease in adults, and treatment to prevent cardiovascular disease.

## Source guidance

This indicator is an overarching outcome, supported by a number of NICE guidelines, including [NICE's guideline on cardiovascular disease: risk assessment and reduction, including lipid modification](#)

## Specification

**Numerator:** Number of deaths for which cardiovascular disease is given as the underlying cause of death, based on the original cause recorded on the death certificate.

**Denominator:** Mid-year population estimates.

**Calculation:** Directly age-standardised rate.

**Definitions:** The Office of National Statistics (ONS) publishes the full ICD10 classification available for the [NOMIS explorable dataset](#). Cardiovascular disease uses codes ICD10 I00 to I99 ('diseases of the circulatory system').

**Exclusions:** None.

**Data source:** Primary Care Mortality Database (PCMD) / ONS Mortality data; ONS annual mid-year population estimates.

**Expected population size:** [ONS \(2024\)'s Estimates of the population for the UK, England, Wales, Scotland, and Northern Ireland, mid-2023 edition, MYE1](#), show that for England (2023), 91% (52,380,101 divided by 57,690,323) of people in England were aged under 75: 9,080 per 10,000 patients served by a network. There is no minimum number of patients required for network level indicators. However, consideration should be given to whether the majority of results would require suppression because of small numbers.

