NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

# NICE indicator guidance

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## Indicator CCG94

The proportion of patients with acute myocardial infarction with measurement of left ventricular ejection fraction before discharge.

## Indicator type

Clinical commissioning group indicator.

## Rationale

Assessment of left ventricular function by measurement of left ventricular ejection fraction (LVEF) is an important predictor of outcome in patients after a myocardial infarction. It also allows identification of patients who would benefit from specific treatment such as the use of aldosterone antagonists. Left ventricular ejection fraction should be assessed before discharge in all people who have had ST-segment elevation myocardial infarction (STEMI) or non-ST segment elevation myocardial infarction (NSTEMI).

## **Source guidance**

[Acute coronary syndromes. NICE guideline NG185](https://www.nice.org.uk/guidance/ng185) (2020), recommendations 1.1.27 and 1.2.26.

[European Society of Cardiology. ESC guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation](https://www.escardio.org/Guidelines/Clinical-Practice-Guidelines/Acute-Myocardial-Infarction-in-patients-presenting-with-ST-segment-elevation-Ma). (2017).

[ESC guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. European Society of Cardiology](https://academic.oup.com/eurheartj/article/42/14/1289/5898842#247153624) (2020).

## Specification

Numerator: The number of patients in the denominator who had LVEF measured before discharge.

Denominator: The number of patients with discharged from hospital following an admission with acute myocardial infarction.

Calculation: (Numerator/denominator)\*100

Exclusions: Patients who died in hospital.

Data source: [Myocardial Ischaemia National Audit Project (MINAP) dataset.](https://www.nicor.org.uk/national-cardiac-audit-programme/datasets/)

Minimum population: The indicator would be appropriate to assess performance of individual CCGs.

## 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.

This indicator is based on hospital level indicators originally developed by the European Society of Cardiology (ESC) Acute Cardiovascular Care Association (ACCA).