

# Electrocardiogram—change type, code N

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# Electrocardiogram—change type, code N

## Identifying and definitional attributes

<b>Metadata item type:</b>	Data Element
<b>Short name:</b>	Electrocardiogram change type
<b>METEOR identifier:</b>	356856
<b>Registration status:</b>	<a href="#">Health</a> , Standard 01/10/2008
<b>Definition:</b>	The type of change to the heart rhythm seen on a person's electrocardiogram (ECG), as represented by a code.
<b>Data Element Concept:</b>	<a href="#">Electrocardiogram—change type</a>
<b>Value Domain:</b>	<a href="#">Electrocardiogram change type code N</a>

## Value domain attributes

## Representational attributes

<b>Representation class:</b>	Code	
<b>Data type:</b>	Number	
<b>Format:</b>	NN	
<b>Maximum character length:</b>	2	
<b>Permissible values:</b>	<b>Value</b>	<b>Meaning</b>
	10	ST-segment-elevation $\geq 1$ mm (0.1 mV) in $\geq 2$ contiguous limb leads
	11	ST-segment-elevation $\geq 2$ mm (0.2 mV) in $\geq 2$ contiguous chest leads
	12	ST-segment depression $\geq 0.5$ mm (0.05 mV) in $\geq 2$ contiguous leads (includes reciprocal changes)
	20	T-wave inversion $\geq 2$ mm (0.1 mV)
	30	Significant Q waves
	40	Left bundle-branch block (BBB)
	41	Right bundle-branch block (BBB)
	42	Indeterminate bundle-branch block (BBB)
	90	Non specific
<b>Supplementary values:</b>	99	Not stated/inadequately described

## Collection and usage attributes

**Guide for use:**

ST-segment changes

CODE 10 ST-segment-elevation  $\geq 1$  mm (0.1 mV) in  $\geq 2$  contiguous limb leads

ST-segment-elevation indicates greater than or equal to 1 mm (0.1 mV) elevation in 2 or more contiguous limb leads.

CODE 11 ST-segment-elevation  $\geq 2$  mm (0.2 mV) in  $\geq 2$  contiguous chest leads

ST-segment-elevation indicates greater than or equal to 2 mm (0.2 mV) elevation in 2 or more contiguous chest leads.

CODE 12 ST-segment depression  $\geq 0.5$  mm (0.05 mV) in  $\geq 2$  contiguous leads (includes reciprocal changes)

ST-segment depression of at least 0.5 mm (0.05 mV) in 2 or more contiguous leads (includes reciprocal changes).

T-wave changes

CODE 20 T-wave inversion  $\geq 2$  mm (0.2 mV)

T-wave inversion of at least 2 mm (0.2 mV) including inverted T waves that are not indicative of acute MI.

Q wave changes

CODE 30 Significant Q waves

Q waves refer to the presence of Q waves that are greater than or equal to 0.03 seconds in width and greater than or equal to 1 mm (0.1 mV) in depth in at least 2 contiguous leads.

Bundle-branch block changes

CODE 40 Left bundle branch block (BBB)

Diffuse left bundle-branch block pattern.

CODE 41 Right bundle-branch block (BBB)

Diffuse right bundle-branch block pattern.

CODE 42 Indeterminate bundle-branch block (BBB)

Bundle-branch block pattern identified, but left or right location is unclear.

CODE 90 Non-specific

Changes not meeting the above criteria.

CODE 99 Not stated/inadequately described

Includes unknown.

## Data element attributes

### Collection and usage attributes

**Guide for use:**

More than one code may be recorded.

Record all that apply (codes 90 and 99 are excluded from multiple coding).

**Collection methods:**

Where codes 40, 41 or 42 are recorded Electrocardiogram - bundle-branch block status, code N must also be recorded.

### Source and reference attributes

**Submitting organisation:** Acute coronary syndrome data working group

## Relational attributes

**Related metadata references:** Supersedes [Person—electrocardiogram change type, code N Health](#), Superseded 01/10/2008

**Implementation in Data Set Specifications:** [Electrocardiogram cluster Health](#), Standard 01/10/2008

**DSS specific information:** To be provided each time an ECG is performed.