

Electrocardiogram—change type, code N

Identifying and definitional attributes

Metadata item type:	Data Element
Short name:	Electrocardiogram change type
METEOR identifier:	356856
Registration status:	<ul style="list-style-type: none">• Health, Standard 01/10/2008
Definition:	The type of change to the heart rhythm seen on a person's electrocardiogram (ECG), as represented by a code.
Data Element Concept:	Electrocardiogram—change type

Value domain attributes

Representational attributes

Representation class:	Code
Data type:	Number
Format:	NN
Maximum character length:	2

Permissible values:

Value	Meaning
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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

Supplementary values:

Value	Meaning
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99	Not stated/inadequately described
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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 clusterHealth](#), Standard 01/10/2008

DSS specific information:

To be provided each time an ECG is performed.