

# Monitoring and improving guideline adherence by an electronic decision support system

<b>Submission date</b> 20/12/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 20/12/2005	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 11/05/2009	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Individual participant data

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**Protocol serial number**  
NTR246

## Study information

**Scientific Title**  
Monitoring and improving guideline adherence by an electronic decision support system: a multicentre cluster randomised trial

**Acronym**

CARDSS

**Study objectives**

Care providers are more likely to adhere to clinical practice guidelines when they receive guideline-based decision support by an electronic system.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Received from local medical ethics committee

**Study design**

Multicentre, randomised, active controlled, parallel group trial

**Primary study design**

Interventional

**Study type(s)**

Diagnostic

**Health condition(s) or problem(s) studied**

Heart Disease, cardiac rehabilitation

**Interventions**

Randomisation takes place at cluster (centre) level. The participating cardiac rehabilitation centres will either work with an intervention version of the DSS, having full functionality with advice, or with a control version, which comprises patient records and information management services but provides no advice regarding clinical decisions. The system is based on the Dutch Cardiac Rehabilitation Guidelines 2004.

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

Adherence, by care providers, to the Dutch Cardiac Rehabilitation Guidelines.

**Key secondary outcome(s))**

No secondary outcome measures

**Completion date**

01/01/2006

**Eligibility****Key inclusion criteria**

The decision support system (DSS) can be used at all Dutch cardiac rehabilitation (CR) centres. These centres treat patients after acute coronary syndromes, patients with angina pectoris, heart failure, and/or congenital heart disease, and patients who have undergone cardiac surgery, percutaneous transluminal coronary angioplasty, or heart transplant surgery, or have received an implantable cardioverter defibrillator.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Not Specified

**Sex**

Not Specified

**Key exclusion criteria**

The system should be used on a routine basis in the participating CR centres, for all patients that are screened for CR no patients are excluded.

**Date of first enrolment**

01/01/2005

**Date of final enrolment**

01/01/2006

**Locations****Countries of recruitment**

Netherlands

**Study participating centre**

Academic Medical Centre, UvA

Amsterdam

Netherlands

1105 AZ

**Sponsor information****Organisation**

Netherlands Heart Foundation (Nederlandse Hartstichting) (Netherlands)

ROR

<https://ror.org/05nxhgm70>

## Funder(s)

### Funder type

Research organisation

### Funder Name

The Netherlands Organisation for Health Research and Development (ZonMw) (Netherlands)

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Results article</a>	results	27/04/2009		Yes	No
<a href="#">Study website</a>	Study website	11/11/2025	11/11/2025	No	Yes