

# The effectiveness and cost-effectiveness of public access defibrillation in urban and rural populations in Northern Ireland

<b>Submission date</b> 20/01/2006	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 30/01/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 18/03/2008	<b>Condition category</b> Circulatory System	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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## Additional identifiers

### Protocol serial number

COM/2371/03

## Study information

## **Scientific Title**

### **Acronym**

Northern Ireland Public Access Defibrillation (NIPAD)

### **Study objectives**

Training laypersons such as first responders and police officers to carry and use automated external defibrillators to attend the scene of out-of-hospital sudden cardiac arrests will result in the resuscitation of additional patients by a reduction in the response time compared to the existing emergency medical service response.

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Ethics approval received from the Northern Ireland Research Ethics Committee on the 26th March 2003 (ref: 47/03).

### **Primary study design**

Interventional

### **Study design**

An observational study for one year followed by an intervention using public access defibrillation on the cohort

### **Study type(s)**

Prevention

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

Out-of-hospital sudden cardiac arrest

### **Interventions**

Training lay cardiac first responders and police officers to carry and use automated external defibrillators in response to sudden out-of-hospital cardiac arrest in fixed and mobile locations.

### **Intervention Type**

Other

### **Phase**

Not Specified

### **Primary outcome(s)**

1. Survival after hospital discharge following out-of-hospital sudden cardiac arrest
2. Cost-effectiveness of public access defibrillation in the study areas

### **Key secondary outcome(s)**

1. Reduction in response time compared to existing emergency medical services
2. Return of spontaneous circulation
3. The modelling of the results to Northern Ireland as a whole using a spatial modelling approach

4. The modelling of the effectiveness and cost-effectiveness of public access defibrillation across Northern Ireland

**Completion date**

03/04/2006

## Eligibility

**Key inclusion criteria**

All patients with a presumed out-of-hospital sudden cardiac arrest over the age of 14 in Antrim, Ballymena, Magherafelt and North and West Belfast district council areas of Northern Ireland.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

Out-of-hospital sudden deaths due to non-cardiac causes including trauma, drowning, overdose, poisoning and fire.

**Date of first enrolment**

01/01/2004

**Date of final enrolment**

03/04/2006

## Locations

**Countries of recruitment**

United Kingdom

Northern Ireland

**Study participating centre**

QUB Centre For Clinical and Population Science

Belfast

United Kingdom

BT12 6BA

# Sponsor information

## Organisation

The Research and Development Office for Health and Personal Social Services in Northern Ireland (UK)

## ROR

<https://ror.org/02tdmfk69>

# Funder(s)

## Funder type

Government

## Funder Name

The Research and Development Office for Health and Personal Social Services in Northern Ireland (UK)

# 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	01/03/2008		Yes	No
<a href="#">Study website</a>	Study website	11/11/2025	11/11/2025	No	Yes