

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

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

Plain English summary of protocol

Not provided at time of registration

Study website

<http://www.med.qub.ac.uk/nipad>

Contact information

Type(s)

Scientific

Contact name

Prof Frank Kee

Contact details

QUB Centre For Clinical and Population Science
1st Floor Mulhouse building
Royal Victoria Hospital
Grosvenor road
Belfast
United Kingdom
BT12 6BA
+44 (0)28 90632746
f.kee@qub.ac.uk

Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

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).

Study design

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

Primary study design

Interventional

Secondary study design

Cohort study

Study setting(s)

Not specified

Study type(s)

Prevention

Participant information sheet

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 measure

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

Secondary outcome measures

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

Overall study start date

01/01/2004

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

Age group

Adult

Sex

Both

Target number of participants

300,000 people in study area, expected 300 cardiac arrests

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

Northern Ireland

United Kingdom

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)

Sponsor details

R&D Office

12-22 Linenhall street

Belfast

United Kingdom

BT2 8BS

+44 (0)28 90553617

joanne.O'Neill@rdo.n-i.nhs.uk

Sponsor type

Government

Website

<http://www.centralservicesagency.n-i.nhs.uk/display>

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

Publication and dissemination plan

Not provided at time of registration

Intention to publish date**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?
Results article	Results	01/03/2008		Yes	No