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# A prospective randomised controlled trial (RCT) to assess the effect of implementing a trauma nurse co-ordinator (TNC)

**Submission date**
23/01/2004

**Recruitment status**
No longer recruiting

**Registration date**
23/01/2004

**Overall study status**
Completed

**Last Edited**
31/10/2019

**Condition category**
Injury, Occupational Diseases, Poisoning

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[ ] Record updated in last year

**Plain English Summary**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

**Contact name**
Mr Peter Driscoll

**Contact details**
Salford Royal Hospitals NHS Trust
Department of Emergency Medicine
Stott Lane
Salford
United Kingdom
M6 8HD
+44 (0)161 787 5372
abc@email.com

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

RHC21007

# Study information

### Scientific Title
A prospective randomised controlled trial (RCT) to assess the effect of implementing a trauma nurse co-ordinator (TNC)

### Study hypothesis
What are the economic, human and social effects of implementing a trauma nurse co-ordinator?

### Ethics approval required
Old ethics approval format

### Ethics approval(s)
Not provided at time of registration

### Study design
Randomised controlled trial

### Primary study design
Interventional

### Secondary study design
Randomised controlled trial

### Study setting(s)
Hospital

### Study type(s)
Other

### Participant information sheet

### Condition
Musculoskeletal injury

### Interventions
Eligible patients randomised to 1. TNC care or 2. No TNC care

### Intervention Type
Other

### Phase
Not Applicable

### Primary outcome measure
1. Length of stay - measured in days from admission to discharge.
2. Mortality/Survival - this will be assessed on discharge using the TRISS methodology. The latter is the probability of survival derived by an internationally recognised measure and will be based

on the Major Trauma Outcome Study (MTOS) database.
3. Cost - this will quantify the current costs and those incurred in introducing a TNC into a hospital and his/her direct involvement in patient care.
4. Quality of Life - this will be measured using the validated SF36 questionnaire. This form measures health in eight multi-item dimensions, covering functional states, well being and overall evaluation of health. This form has been used, under license, by the Orthopaedic Department in the hospital sine 1992.
5. Satisfaction - this will be measured in both patients and carers using a specially designed questionnaire and will be measured at specific time intervals after discharge.

### Secondary outcome measures
Not provided at time of registration

### Overall study start date
14/10/1996

### Overall study end date
14/10/1998

## Eligibility

### Participant inclusion criteria
During a one month mapping exercise, 42% of surviving patients had a hospital stay 3 days or less. Therefore 1080 patients will be required to detect a difference of 10% between the study groups in the proportion of the patients discharged within 3 days of admission for a study power of 90% at the 5% two sided significance level. This is assuming a 5% death rate and a recruitment rate of 90%.

### Participant type(s)
Patient

### Age group
Other

### Sex
Both

### Target number of participants
1080

### Participant exclusion criteria
1. Refusal to participate
2. Missed patients (information not collected by research assistant)
3. Fractured neck of femur
4. Died in A&E
5. Transfer out of hospital from A&E

### Recruitment start date
14/10/1996

**Recruitment end date**
14/10/1998

# Locations

**Countries of recruitment**
England

United Kingdom

**Study participating centre**
**Salford Royal Hospitals NHS Trust**
Salford
United Kingdom
M6 8HD

# Sponsor information

**Organisation**
NHS R&D Regional Programme Register - Department of Health (UK)

**Sponsor details**
The Department of Health
Richmond House
79 Whitehall
London
United Kingdom
SW1A 2NL
+44 (0)20 7307 2622
dhmail@doh.gsi.org.uk

**Sponsor type**
Government

**Website**
http://www.doh.gov.uk

# Funder(s)

**Funder type**
Government

**Funder Name**
NHS Executive North West (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