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An investigation into hand decontamination

Submission date	Recruitment status	[_] Prospectively registered
30/09/2005	No longer recruiting	[_] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
30/09/2005	Completed	[_] Results
Last Edited	**Condition category**	[_] Individual participant data
07/03/2017	Infections and Infestations	[_] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
N0514150910

Study information

Scientific Title
An investigation into hand decontamination

Study objectives
The aim of this study is to assess the effect of two interventions to promote the use of alcohol hand rub as the routine method for hand hygiene rather than hand washing and to explore reasons for non-compliance through the use of a questionnaire based survey.

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)
Prevention

Participant information sheet

Health condition(s) or problem(s) studied
Hand decontamination

Interventions
The study will involve clinical hospital staff and run concurrently on four surgical wards: an elective orthopaedic ward, an elderly trauma/orthopaedic ward, a male general surgical ward and a female general surgical ward. Surgical wards were chosen as they have been identified as high risk areas for infection in view of the infection susceptibility of patients with wounds and invasive devices, urinary catheters and intravenous infusions.

Each ward would act as its own control and be randomly assigned to an intervention as follows:
1. Ward one intervention - a comprehensive education package on the use of the existing alcohol hand rub.
2. Ward two intervention - a comprehensive education package as above and the provision of personal alcohol hand rub dispensers (same product) (the normal available alcohol hand rub at the end of the bed, wall mounted etc will remain).
3. Ward three intervention - the provision of personal alcohol hand rub dispensers.
4. Ward four - no intervention.

Alcohol hand rub (all presentations) will be monitored throughout the period study (12233 ks) to assess amount used by weighing at set intervals. A wash out period will be allowed at the beginning of the study to allow staff to get used to the fact that alcohol hand rub is being routinely weighed.

In addition, an anonymous questionnaire will be issued to all participants before and after the interventions, including the ward where there is no intervention. The first questionnaire will address the issues of the participants' perceived compliance/product knowledge of alcohol usage at baseline. The second questionnaire will be issued following the interventions, to assess again the same issues. However, the second questionnaire will contain additional questions concerning the experience of using a personal dispenser. The likert scale will be used. All healthcare workers likely to be working on the wards for the duration of the study will be invited to participate.

Intervention Type
Other

Phase
Not Specified

Primary outcome measure
To assess whether personal dispensers and/or education improve hand hygiene compliance by measuring alcohol hand rub usage and evaluating the pre- and post- intervention questionnaires.

Secondary outcome measures
Not provided at time of registration

Overall study start date
09/08/2004

Completion date
15/11/2004

Eligibility

Key inclusion criteria
1. All healthcare workers likely to be working on the ward for the duration of the study will be invited to participate. This will include members of staff such as nurses, medical staff (consultant staff junior doctors) healthcare assistants, ancillary staff eg physiotherapists, occupational therapists. The medical staff participating in the study will either be working as part of the surgical team or the orthopaedic team on the relevant wards, they may also visit patients on other wards but this is likely to be roughly equal for each group participating.
2. Each potential participant will be identified by the ward managers and letter from the researcher inviting them to participate in the study.

Participant type(s)
Patient

Age group
Adult

Sex
Both

Target number of participants
184 participants (in four surgical wards)

Key exclusion criteria
Not provided at time of registration

Date of first enrolment
09/08/2004

Date of final enrolment
15/11/2004

Locations

Countries of recruitment
England

United Kingdom

Study participating centre
Pathology Department
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Sponsor information

Organisation
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Sponsor type
Government

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Funder(s)

Funder type
Government

Funder Name
East Kent Hospitals NHS Trust (UK) NHS R&D Support Funding

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