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Effectiveness of alcoholic hand disinfectants in a public administration

Submission date	Recruitment status	[_] Prospectively registered
23/03/2010	No longer recruiting	[_] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
12/04/2010	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
29/12/2020	Respiratory	

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
N/A

Study information

Scientific Title
Effectiveness of alcoholic hand disinfectants in a public administration: impact on health and work performance related to acute respiratory symptoms and diarrhoea

Study objectives
Large community studies in Europe and USA have shown that communicable diseases have a great impact on morbidity and lead to millions of lost days at work, school and university each year. Hand disinfection is acknowledged as key element for infection control, but its effect in open, work place settings is unclear. Our study assessed the epidemiological and economical impact of alcoholic hand disinfectants use at work place.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Ethics Board of the Medical Faculty of the University of Greifswald approved on the 27th January 2010 (ref: BB02/10)

Study design
Prospective controlled intervention-control group design

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Other

Study type(s)
Prevention

Participant information sheet
Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied
Acute respiratory symptoms, diarrhoea

Interventions
Participants in the intervention group were instructed how to use the hand rub and advised to use it at least five times daily, especially after toilet use, blowing nose, before eating and after contact with ill colleges, customers, and archive material. The hand rub was only used at work, while hand hygiene at home was not changed. Hand hygiene remained unchanged in the control group. During the study, close contact was maintained with all participants.

Every participant was observed for 12 months.

Intervention Type
Other

Phase
Not Applicable

Primary outcome measure
Monthly surveys were sent to participants of both groups collecting data on illness symptoms (common cold, sinusitis, sore throat, fever, cough, bronchitis, pneumonia, influenza, diarrhoea) and associated absenteeism. Test persons reported illness and absenteeism days per month for each symptom. Appearance of at least one day ill was counted as an illness episode for the current month.

Secondary outcome measures
Participants filled out a post-study survey to assess post-intervention compliance with hand hygiene.

Overall study start date
01/03/2005

Completion date
01/04/2006

Eligibility

Key inclusion criteria
We recruited employees from the administration of the Ernst Moritz Arndt University Greifswald, the municipality of Greifswald and the state of Mecklenburg-Pomerania, for the study. All administrative officers, who do not already apply hand disinfection at work, were considered for participation.

Participant type(s)
Patient

Age group
Adult

Sex
Both

Target number of participants
850

Key exclusion criteria
Officers who already use alcoholic hand disinfection

Date of first enrolment
01/03/2005

Date of final enrolment

01/04/2006

Locations

Countries of recruitment
Germany

Study participating centre
Rathenaustr. 49a
Greifswald
Germany
17489

Sponsor information

Organisation
Bode Chemie GmbH (Germany)

Sponsor details
Melanchthonstrasse 27
Hamburg
Germany
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guenter.kampf@bode-chemie.de

Sponsor type
Industry

Website
http://www.bode-chemie.de/

ROR
https://ror.org/0447s2m06

Funder(s)

Funder type
Industry

Funder Name
Bode Chemie GmbH (Germany) - provided hand disinfectant free of charge

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	24/08/2010	29/12/2020	Yes	No