

Effectiveness of alcoholic hand disinfectants in a public administration

Submission date 23/03/2010	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 12/04/2010	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 29/12/2020	Condition category Respiratory	<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

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)

Primary study design

Interventional

Study design

Prospective controlled intervention-control group design

Study type(s)

Prevention

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 colleagues, 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(s)

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.

Key secondary outcome(s)

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

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

Healthy volunteers allowed

No

Age group

Adult

Sex

All

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

Rathenastr. 49a

Greifswald

Germany

17489

Sponsor information

Organisation

Bode Chemie GmbH (Germany)

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

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