

# Hands up for Max! Hand Hygiene study in Primary Schools

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| <b>Submission date</b><br>05/10/2010   | <b>Recruitment status</b><br>No longer recruiting | <input type="checkbox"/> Prospectively registered<br><input type="checkbox"/> Protocol            |
| <b>Registration date</b><br>17/11/2010 | <b>Overall study status</b><br>Completed          | <input type="checkbox"/> Statistical analysis plan<br><input checked="" type="checkbox"/> Results |
| <b>Last Edited</b><br>22/08/2013       | <b>Condition category</b><br>Other                | <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

**Protocol serial number**  
PB-PG-1207-15212

## Study information

**Scientific Title**  
Cluster randomised controlled trial to test the effectiveness of an educational intervention to promote hand washing in reducing absenteeism in primary schools

**Study objectives**

1. Is the Hands up for Max! educational hand washing intervention effective in reducing absenteeism, through reducing the spread of infectious illness, in primary school pupils and staff?
2. What percentage pupil and staff absence is due to infectious illness?
3. Is there a difference in hand washing behaviour, knowledge and attitudes between pupils and staff in the intervention and control arms of the trial?
4. Is the Hands for Max! resource cost effective?
5. What can a detailed process evaluation tell us about intervention delivery, hand washing facilities in schools, and pupil and staff hand washing behaviour, knowledge, and attitudes?

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

University of Bristol, Faculty of Medicine and Dentistry Committee for Ethics approved in January 2009 (ref: 080908)

**Study design**

Pragmatic cluster randomised controlled single centre trial

**Primary study design**

Interventional

**Study type(s)**

Prevention

**Health condition(s) or problem(s) studied**

Hand hygiene

**Interventions**

Intervention arm: Hands up for Max! hand washing intervention delivered in primary schools during autumn term 2009 in addition to usual hygiene education.

Control arm: Usual hygiene education continued during autumn term 2009. Hands up for Max! resource offered to schools in autumn term 2010 after all follow-up data for trial completed.

Absence data collected for intervention and control schools for school year 2008/2009 as baseline measure (pre intervention), and absence data for school year 2009/2010 as follow-up data (post intervention).

**Intervention Type**

Other

**Phase**

Not Applicable

**Primary outcome(s)**

Pupil and staff absence measured using routine absence data for schools available from the Department for Education. Pupil and staff absence due to infectious illness measured using data collected over 3 months (Jan - April 2010) in a sample of participating schools (sub-study schools, n = 24).

### **Key secondary outcome(s)**

1. Pupil and staff hand washing behaviour, knowledge, and attitudes measured using self-report questionnaires completed in sub-study schools (n = 24) during March - May 2010
  2. Economic evaluation completed using data collected on NHS and wider workforce costs as a result of absence due to illness in sub-study schools (n = 24), collected over 3 months (Jan - April 2010)
  3. Process evaluation including:
    - 3.1. Observations of hand washing facilities
    - 3.2. Observation of intervention delivery
    - 3.3. Exploration of hand washing behaviour
    - 3.4. Knowledge and attitudes through interviews with teachers and focus groups with pupils
- The process evaluation was completed over 3 months: November 2009 - January 2010.

### **Completion date**

31/08/2011

## **Eligibility**

### **Key inclusion criteria**

1. Maintained primary schools (including infant and junior schools) and special schools in the South West of England
2. Pupils aged 5 - 11 years, either sex

### **Participant type(s)**

Patient

### **Healthy volunteers allowed**

No

### **Age group**

Child

### **Lower age limit**

5 years

### **Upper age limit**

11 years

### **Sex**

All

### **Key exclusion criteria**

Independent primary schools and pupil referral units in the South West of England.

**Date of first enrolment**

01/09/2009

**Date of final enrolment**

31/08/2011

## Locations

**Countries of recruitment**

United Kingdom

England

**Study participating centre**

**School of Social and Community Medicine**

Bristol

United Kingdom

BS8 2PS

## Sponsor information

**Organisation**

University of Bristol (UK)

**ROR**

<https://ror.org/0524sp257>

## Funder(s)

**Funder type**

Government

**Funder Name**

National Institute for Health Research (NIHR) (UK) - Research for Patient Benefit (RfPB)  
Programme (ref: PB-PG-1207-15212)

## 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? |
|---|-------------------------------|--------------|------------|----------------|-----------------|
| <a href="#">Results article</a>               | results                       | 15/08/2013   |            | Yes            | No              |
| <a href="#">Participant information sheet</a> | Participant information sheet | 11/11/2025   | 11/11/2025 | No             | Yes             |