

# School playground surfacing - a randomised prospective comparison of injury rates on granite sand versus wood chip surfaces

**Submission date**  
10/08/2005

**Recruitment status**  
No longer recruiting

Prospectively registered

Protocol

**Registration date**  
10/08/2005

**Overall study status**  
Completed

Statistical analysis plan

Results

**Last Edited**  
24/02/2010

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

Individual participant data

## Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

### Contact name

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### Contact details

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## Additional identifiers

### ClinicalTrials.gov (NCT)

NCT00213174

### Protocol serial number

MCT-70318

# Study information

## Scientific Title

## Study objectives

Injury rates (arm fracture, head injury and other injuries) among school children are equal on granitic sand and wood fibre (fibar) playground surfaces.

## Ethics approval required

Old ethics approval format

## Ethics approval(s)

Ethics approval received from the Hospital for Sick Children - University of Toronto - Research Ethics Board, on the 14th May 2004.

## Study design

Randomised controlled trial

## Primary study design

Interventional

## Study type(s)

Not Specified

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

Childrens fractures from falling off play equipment.

## Interventions

Granite sand playground surfaces versus wood fibre engineered playground surfaces.

## Intervention Type

Other

## Phase

Not Specified

## Primary outcome(s)

Fracture rates, upper extremity

## Key secondary outcome(s)

Head injury, all injury

## Completion date

31/12/2006

## Eligibility

### Key inclusion criteria

1. School children
2. Ages 5 - 11, either sex
3. Injured on falls from play equipment during supervised school hours

**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**

Children injured when school is not in session.

**Date of first enrolment**

01/01/2005

**Date of final enrolment**

31/12/2006

**Locations****Countries of recruitment**

Canada

**Study participating centre**

**Hospital for Sick Children**

Toronto, Ontario

Canada

M5G 1X8

**Sponsor information****Organisation**

Hospital for Sick Children, Toronto (Canada)

**ROR**

<https://ror.org/057q4rt57>

## Funder(s)

**Funder type**

Research organisation

**Funder Name**

Canadian Institutes of Health Research (CIHR) (Canada) - <http://www.cihr-irsc.gc.ca> (ref: MCT-70318)

## 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	01/12/2009		Yes	No