

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

Dr Andrew William Howard

Contact details

Hospital for Sick Children
Orthopaedic Surgery and Population Health
555, University Avenue
Room S-107
Toronto, Ontario
Canada
M5G 1X8
+1 416 813 6439
andrew.howard@sickkids.ca

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?
Results article	results	01/12/2009		Yes	No