

Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction

Submission date 30/10/2001	Recruitment status No longer recruiting	☒ Prospectively registered ☐ Protocol
Registration date 30/10/2001	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 26/10/2022	Condition category Nutritional, Metabolic, Endocrine	☐ 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

Protocol serial number

PG/2001/134

Study information

Scientific Title

Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction

Acronym

MAGIC (Movement and Activity Glasgow Intervention in Children)

Study objectives

Cluster randomised controlled trial. 545 children in 36 clusters (nurseries). This study aims to test the hypothesis that a simple, generalisable, intervention can reduce change in body mass index (BMI) SD-score over a 12 month period in children in their pre-school year. The intervention is in two parts: enhanced physical activity programme in nursery; distribution of play resources/physical activity promotion at home.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Overweight, obesity, hypertension

Interventions

1. Intervention: nursery and home based physical activity programme
2. Control: standard nursery curriculum

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

BMI SD-score.

Key secondary outcome(s)

1. Habitual physical activity and sedentary behaviour (both measured objectively, by accelerometry)
2. Motor skills (measured using the Movement Assessment Battery)
3. Blood pressure

- 4. Waist circumference and waist: arm circumference ratio (both indices of fat distribution)
- 5. Process evaluation

Completion date

31/12/2005

Eligibility

Key inclusion criteria

Healthy 3 - 4 year-old children in their pre-school year in nursery.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Child

Lower age limit

3 years

Upper age limit

4 years

Sex

All

Key exclusion criteria

No exclusion criteria

Date of first enrolment

01/06/2002

Date of final enrolment

31/12/2005

Locations

Countries of recruitment

United Kingdom

Scotland

Study participating centre

Reader in Paediatric Energy Metabolism

Glasgow

United Kingdom
G3 8SJ

Sponsor information

Organisation

British Heart Foundation (UK)

ROR

<https://ror.org/02wdwnk04>

Funder(s)

Funder type

Charity

Funder Name

British Heart Foundation (UK) (ref: PG/2001/134)

Alternative Name(s)

The British Heart Foundation, the_bhf, BHF

Funding Body Type

Private sector organisation

Funding Body Subtype

Trusts, charities, foundations (both public and private)

Location

United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan

Not provided at time of registration

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		18/11/2006		Yes	No

[Other publications](#)

01/04/2005

Yes

No