

"We Act – together for health" - a school-based intervention to promote healthy diet, physical activity, and wellbeing in school children aged 10-12 years

Submission date 04/04/2018	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 14/05/2018	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 15/06/2023	Condition category Other	☐ Individual participant data

Plain English summary of protocol

Background and study aims

Strategies to improve health behaviour and well-being of Danish children are needed.

A multicomponent intervention "We Act – together for health" has been developed with the aim to improve the dietary habits, physical activity, well-being and social capital among school children aged 10-12 years by increasing their health experiences and promoting a healthy school environment.

Who can participate?

Children aged 10-12 attending a participating school

What does the study involve?

Four schools participate in the intervention, matched with control schools from the same municipality.

The intervention is made up of an educational component, teaching meal habits and other processes within school. The school component provides a workshop to develop teachers' competencies, and finally the parental component comprises a homepage, an APP, a Facebook-group and a handout produced by their child.

The intervention runs for 6 – 8 months, with data collected before and after by photograph, pedometer and questionnaire.

What are the possible benefits and risks of participating?

There are no direct benefits or risks for the children participating in the We Act intervention. Hopefully they will enjoy teaching that builds on a democratic health education approach.

Where is the study run from?

Eight schools in Denmark

When is the study starting and how long is it expected to run for?
October 2014 to September 2017

Who is funding the study?
Nestlé Denmark A/S (Denmark)

Who is the main contact?
Mrs Marianne Sabinsky (Scientific)
masab@food.dtu.dk

Contact information

Type(s)
Scientific

Contact name
Mrs Marianne Sabinsky

ORCID ID
<https://orcid.org/0000-0001-5738-2714>

Contact details
Kemitorvet
Building 201, Room 106
Kgs. Lyngby
Denmark
2800
+45 35 88 71 05
masab@food.dtu.dk

Additional identifiers

Protocol serial number
H-7-2015-FSP1

Study information

Scientific Title
"We Act – together for health" - a school-based multicomponent intervention to promote healthy diet, physical activity, and wellbeing in school children aged 10-12 years

Study objectives
School children's participation in health education following the IVAC model develops their action competence in health and this, along with support from teachers, school management and parents, initiates a change process creating a healthy supportive school environment, leading to an increase in nutrition quality and dietary intake, physical activity, social capital and wellbeing in school children.

Ethics approval required
Old ethics approval format

Ethics approval(s)

1. Danish Data Protection Agency, 18/04/2015, ref: 2015-41-4201
2. Regional Ethics Committee for the Capital Region of Denmark, 04/05/2015, ref: H-7-2015-FSP1

Primary study design

Interventional

Study design

Quasi-experimental controlled pre- and post-intervention study

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Health promotion

Interventions

The intervention builds upon the health promoting school approach and the IVAC model. The settings are the school and the family.

Four schools are recruited for the intervention, and matched with four control schools from the same municipality, considering families' social backgrounds and school size.

The intervention schools receive an intervention made up of three educational components:

- 1) Lunch meal habits are integrated into science and Danish ("IEAT") and physical activity is integrated into maths ("IMOVE")
- 2) Vision workshop is integrated primarily in Danish
- 3) The Action and Change process is taught at class and school level.

Teachers participate in a course to develop competencies regarding the holistic health concept, active involvement of school children and the IVAC approach. Components developed for parental support included a homepage, an APP, a Facebook-group and a handout produced by their child.

The intervention runs for about 6-8 months. The control schools receive no intervention at all, only the scientific measurements which are recorded at baseline and after the intervention.

Intervention Type

Mixed

Primary outcome(s)

1. Dietary intake (food groups) is measured using the digital photographic method
2. Physical activity is measured using a pedometer
3. Wellbeing is measured using the Personal Social Capital Scale questionnaire

All primary outcome measures are collected at baseline and again after the intervention.

Key secondary outcome(s)

Anthropometrics (Height and Weight) are measured at baseline and after the intervention.

Completion date

30/09/2017

Eligibility

Key inclusion criteria

1. School does not have a school food programme
2. Sufficient number of children in 5th and 6th grade
3. School motivated to participate

Participant type(s)

Healthy volunteer

Healthy volunteers allowed

No

Age group

Child

Sex

All

Key exclusion criteria

1. Small school with too few children

Date of first enrolment

01/03/2015

Date of final enrolment

01/08/2015

Locations

Countries of recruitment

Denmark

Study participating centre

National Food Institute, Technical University of Denmark

Kemitorvet

Building 201, Room 106

Kgs. Lyngby

Denmark

2800

Study participating centre

Steno Diabetes Center Copenhagen

Niels Steensens Vej 6

Gentofte
Denmark
2820

Sponsor information

Organisation

Technical University of Denmark

ROR

<https://ror.org/04qtj9h94>

Organisation

Steno Diabetes Center Copenhagen

Funder(s)

Funder type

Industry

Funder Name

Nestlé Denmark A/S

Funder Name

National Food Institute, Technical University of Denmark

Funder Name

Steno Diabetes Center Copenhagen

Results and Publications

Individual participant data (IPD) sharing plan

Data for this project will be held at internal databases at the DTU FOOD.

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	26/09/2018		Yes	No
Other publications	Process evaluation	27/12/2018	15/06/2023	Yes	No
Participant information sheet	version v1	09/05/2018	01/04/2019	No	Yes
Study website	Study website	11/11/2025	11/11/2025	No	Yes