

Prevalence of overweight and obesity and associated lifestyle, socio-demographic and environmental factors among children in the age of 4 - 13 years in the city of Zwolle.

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Ethical review	Approved WMO
Status	Recruiting
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON33035

Source

ToetsingOnline

Brief title

Overweight and obesity in 4-13 year old children in Zwolle

Condition

- Other condition
- Lifestyle issues

Synonym

overweight and obesity

Health condition

overgewicht en obesitas

Research involving

Human

Sponsors and support

Primary sponsor: VU-Windesheim

Source(s) of monetary or material Support: Ministerie van OC&W, Er is nog contact met sponsoren voor de uitvoer van dit project. Sponsoring wordt gevraagd voor onder andere meetinstrumenten; ontwikkelen; drukken en scannen van vragenlijsten.

Intervention

Keyword: children, environment, lifestyle, overweight

Outcome measures

Primary outcome

Height and weight (BMI) and waist circumference.

Secondary outcome

Life style factors, sociodemographic characteristics, environmental

(neighbourhood) factors related to overweight and obesity in the study population.

Study description

Background summary

In the period 1980-1997 the prevalence of overweight and obesity among children clearly increased (HiraSing et al., 2001). Recent figures by TNO 'kwaliteit van leven' and VUmc (March, 2006) confirmed this development (van den Hurk, 2006). This is worrisome because especially obesity in children is associated with increased cardiovascular risk, diabetes mellitus type 2 and psychosocial problems. In addition overweight in childhood predicts overweight in adulthood. Moreover, adults who were obese children have an increased risk on morbidity and mortality independent of their adult weight. Overweight is considered as one of the largest Public Health problems. Therefore early prevention starting at a young age is very important.

Study objective

The objective is to study the trends and the prevalence of overweight and obesity among children in the age of 4 - 13 years in the city of Zwolle. Moreover, sociodemographic, lifestyle and environmental factors associated with overweight and obesity will be studied. The results of CheckKid will contribute to the examination of the effect of a Community Based Intervention which is momentarily in development in a couple of neighbourhoods in Zwolle. In addition this research gives an insight in eat-move- and (in)activity behaviour and its determinants of children in Zwolle. These results can be related to BMI and waist circumference, because body height, weight and waist circumference are measured in all children. Moreover clustering of (un)healthy behaviour and associations between individual behaviour, physical and social environment will be looked at so that interventions can be implemented more efficiently.

Study design

All primary schools in Zwolle will be invited to participate in the CheckKid study by means of a letter and a telephone call. When a school gives permission, all parents and children will be invited to participate by means of a letter. With this letter, an informed consent is enclosed. In CheckKid 2006, 80% of 46 schools gave permission for participation. The remaining schools refused mostly because of logistic reasons. Fifty-six percent of the parents handed in a written informed consent. The participation is expected to be about the same for CheckKid 2009. The study consists of measuring body height, weight and waist circumference by trained students of Hogeschool Windesheim, using protocols for all measurements. Besides these anthropometrical measurements, the parents of all participating children and the children in class 6, 7 and 8 are asked to fill out a questionnaire. The parental questionnaire contains questions about sociodemographic characteristics of parents and child, children's lifestyle factors (nutritional- and physical activity behaviour) and physical environment. These questionnaires will be taken home from school by the children. The children's questionnaires will be filled out in class, during school hours and contains questions on nutritional- and physical activity behaviour. The study will only be performed in those kids whose parents have allowed them to participate by signing an informed consent form. When a child is at the age of 12 or older, a written informed consent is needed from them as well.

Study burden and risks

Length, weight and waist circumference of all participating children is measured at one moment. In addition parents of all participating children are asked to fill in a questionnaire and all children of 9-12 years are also asked to fill in a questionnaire. To fill in a questionnaire takes about 30 min. there is no risk for the participants.

Contacts

Public

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adolescents (12-15 years)
Adolescents (16-17 years)
Children (2-11 years)

Inclusion criteria

Children in the age of 4 - 13 years from all primary schools in the city of Zwolle.

Exclusion criteria

Children in the age of 4 -13 years from the special primary schools in the city of Zwolle.

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Prevention

Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 31-08-2009

Enrollment: 4600

Type: Actual

Ethics review

Approved WMO

Date: 25-08-2009

Application type: First submission

Review commission: METC Amsterdam UMC

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register

CCMO

ID

NL27288.029.09