

# ABCD-study Phase 7: follow-up measurements at age 19-20 years\*

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Objectives of phase 7 of the ABCD-study are:(i) to follow-up on growth trajectories during childhood/adolescence and identify lifestyle and environmental factors that influence these trajectories;(ii) to follow-up on cardiometabolic health during...

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruiting
<b>Health condition type</b>	Other condition
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON53299

### Source

ToetsingOnline

### Brief title

ABCD-study Phase 7

### Condition

- Other condition
- Lifestyle issues

### Synonym

public health

### Health condition

ontwikkeling en gezondheid in het algemeen vanaf zwangerschap tot jong volwassenheid

### Research involving

Human

## Sponsors and support

**Primary sponsor:** Amsterdam UMC

**Source(s) of monetary or material Support:** Europese Unie

## Intervention

**Keyword:** life course epidemiology, multi-ethnic, prospective cohort, young adults

## Outcome measures

### Primary outcome

The primary study parameters are the development of growth trajectories, cardiovascular health, metabolic health, psychosocial health, sleep quality and cognitive development.

### Secondary outcome

Important themes related to these outcomes are nutrition, environmental factors, physical fitness and activity and sedentary behaviour.

## Study description

### Background summary

The ABCD -Amsterdam Born Children and their Development-study is a longitudinal multi-ethnic birth cohort examining the association between maternal lifestyle, medical, psychosocial and environmental conditions during pregnancy and children's health at birth as well as in later life. Specific attention is paid to ethnic and socioeconomic disparities in child health and development. The ABCD-study was established in 2003 to increase our knowledge in health inequalities and related determinants from the earliest age onwards. After years of extensive data collection, the children participating in the .ABCD-study are now young adults as they reached the age of 19/20 years. The last major data collection period was at the age of 11/12 years. To continue our study, we wish to collect data on physical measurements including anthropometry, cardiovascular function and metabolic profile. The age of 19/20 years is an important development stage because they are through puberty and reached young adulthood.

## Study objective

Objectives of phase 7 of the ABCD-study are:

- (i) to follow-up on growth trajectories during childhood/adolescence and identify lifestyle and environmental factors that influence these trajectories;
- (ii) to follow-up on cardiometabolic health during childhood/adolescence and identify lifestyle and environmental factors that influence this;
- (iii) to follow-up on psychosocial health during childhood and identify lifestyle and environmental factors that influence this;
- (iv) to follow-up on cognitive development during childhood and identify lifestyle and environmental factors that influence this;
- (v) to identify ethnic and socioeconomic differences in the above stated associations.

## Study design

The ABCD-study is a multi-ethnic prospective birth cohort study.

## Study burden and risks

The current study is an observational study and therefore no adverse/serious adverse events are expected. There is no direct benefit of this study to the participants. The participants will participate in a health check-up where blood samples will be collected. Other tests will be non-invasive, including measurements of anthropometry and cardiovascular function. Moreover during one week physical activity and sleep patterns will be monitored with an accelerometer. The risks involved in these measurements are negligible and the burden is minimal. The measurements were conducted when the children were 5/6 and 11/12 years of age. Long-term follow-up and data analysis is only possible if measurements are repeated during childhood in a standardised way.

## Contacts

### Public

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### Scientific

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## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

### Inclusion criteria

Participants from the Amsterdam Born Children and their Development (ABCD)-study

### Exclusion criteria

No participants from the Amsterdam Born Children and their Development (ABCD)-study

## Study design

### Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

### Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	03-10-2023
Enrollment:	800
Type:	Actual

## Ethics review

Approved WMO	
Date:	31-08-2023
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	ID
CCMO	NL83833.018.23