

- Cross-sectional study on body mass index and physical fitness among secondary school pupils in six French regions, 2007-2014

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General

Identification

Detailed name	Cross-sectional study on body mass index and physical fitness among secondary school pupils in six French regions, 2007-2014
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL

General Aspects

Medical area	General practice
Health determinants	Lifestyle and behavior Pollution
Keywords	Physical fitness, Endurance, Multi-stage fitness test, Sprint, Body mass index

Scientific investigator(s) (Contact)

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Collaborations

Funding

Funding status	Public
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Details	Institut de recherche biomédicale et d'épidémiologie du sport (Irmes)
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Governance of the database

Sponsor(s) or organisation(s) responsible	Institut de recherche biomédicale et d'épidémiologie du sport (Irmes)
Organisation status	Public

Additional contact

Main features

Type of database

Type of database	Study databases
Study databases (details)	Not-repeated cross-sectional studies (except case control studies)
Database recruitment is carried out by an intermediary	A population file
Database recruitment is made on the basis of:	Another treatment or procedure
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Classes from one or several voluntary secondary schools in six French regions (Alsace, Lorraine, Île-de-France, Nord-Pas-de-Calais, Loire Region and Rhône-Alpes)

Database objective

Main objective	The objective of the study was to analyse the relationship between this determinant of health and body mass index (BMI) in adolescents.
Inclusion criteria	All the pupils of these establishments were invited within the framework of physical education or sports classes. From the age of 15 years, a Physical Activity Readiness Questionnaire (PAR-Q (1)) was completed by each participant prior to the assessment tests.

Population type

Age	Adolescence (13 to 18 years)
Population covered	General population
Pathology	
Gender	Male Woman
Geography area	Regional

French regions covered by the database	Alsace Champagne-Ardenne Lorraine Auvergne Rhône-Alpes Île-de-France
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Detail of the geography area Alsace, Lorraine, Île-de-France, Nord-Pas-de-Calais, Pays de Loire and Rhône-Alpes

Data collection

Dates

Date of first collection (YYYY or MM/YYYY) 2007

Date of last collection (YYYY or MM/YYYY) 2014

Size of the database

Size of the database (number of individuals) Greater than 20 000 individuals

Details of the number of individuals 49 631

Data

Database activity Data collection completed

Type of data collected Clinical data

Clinical data (detail) Medical registration

Details of collected clinical data The data collected included age, sex, body mass index (BMI = weight/height², in kg/m²) and two speed criteria (m/s) measured 13. The categorisation of BMI for children was based on the French corpulence curves included in the National Health Nutrition Plan and the thresholds of the International Obesity Task Force (IOTF) 16 with the IOTF25 and IOTF30 criteria defining overweight and obesity. Children with a BMI below the 3rd percentile were considered underweight.

Presence of a biobank No

Health parameters studied Health event/morbidity

Procedures

Data collection method The speed data was measured and collected by the organisers

Participant monitoring	No
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Followed pathology	
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Links to administrative sources	No
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Promotion and access

Promotion

Link to the document	http://www.invs.sante.fr/beh/2015/30-31/2015_30-31_2.html
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Access

Terms of data access (charter for data provision, format of data, availability delay)	Contact the scientist in charge
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Access to aggregated data	Access on specific project only
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Access to individual data	Access on specific project only
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