Brazil - Brazilian Study of Cardiovascular Risks in Adolescents

Federal University of Rio de Janeiro, Brazil (Universidade Federal do Rio de Janeiro)

Report generated on: September 2, 2026

Visit our data catalog at: https://microdata.fao.org/index.php

Identification

SURVEY ID NUMBER
BRA_2014_ERICA_v01_EN_M_v01_A_OCS

TITLE
Brazilian Study of Cardiovascular Risks in Adolescents

ABBREVIATION OR ACRONYM
ERICA

COUNTRY

Name	Country code
Brazil	BRA

STUDY TYPE
Individual Food Consumption/Dietary Survey [hh/ifcs]

ABSTRACT
The aim of the study is to estimate the prevalence of cardiovascular risk factors, including those included in the definition of the metabolic syndrome, in a random sample of adolescents aged 12 to 17 years from public and private schools.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Individuals

Scope

NOTES
The survey collected information on:
- SUBJECTS: information on the participants such as age, sex and geographical location.
- CONSUMPTION: information on all foods consumed by each participant in each survey day, including quantities and nutrient values.

The present metadata and microdata refer to the dietary component of the Brazilian Study of Cardiovascular Risks in Adolescents, including information on food and nutrient intakes, anthropometry and physical activity levels.

Coverage

GEOGRAPHIC COVERAGE
National coverage, both urban and rural areas.

UNIVERSE
The population group covered in the survey was adolescents aged 12 to 17 years old.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Federal University of Rio de Janeiro, Brazil (Universidade Federal do Rio de Janeiro)	UFRJ

Sampling

SAMPLING PROCEDURE

The study population was stratified into 32 geographical strata (27 capitals and five sets with other municipalities in each macro-region of the country) and a sample of 1251 schools was selected with probability proportional to size. In each school three combinations of shift (morning and afternoon) and grade were selected, and within each of these combinations, one class was selected. All eligible students in the selected classes were included in the study. The design sampling weights were calculated by the product of the reciprocals of the inclusion probabilities in each sampling stage, and were later calibrated considering the projections of the numbers of adolescents enrolled in schools located in the geographical strata by sex and age. Levels of representativeness: Brazil, Brazilian Macrorregions, Brazilian State Capitals, Urban and Rural Location.

WEIGHTING

The sample of ERICA is considered a complex sample, since it uses stratification, clustering and unequal probabilities in its selection stages. Unbiased (or at least approximately unbiased) point estimates of target population parameters may be calculated with the use of calibrated sampling weights by any statistical system that accepts weighting. The recommended sampling weight is the calibrated weight, but the design weight is included in the files to allow replication of the calibration process in case the survey library is used.

Data collection

DATES OF DATA COLLECTION

Start	End
2013	2014

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTION NOTES

Primary dietary assessment method: 24-hour recall, covering both week days and weekends. A second recall was collected after an average of 7-10 days for 5038 subjects. Secondary dietary assessment method: Screeners about fish, diet or light foods, alcohol intake, in order to have more details about the intake of those food groups.

Access policy

CONTACTS

Name	Affiliation	Email
FAO Food and Nutrition Division	Food and Agriculture Organization of the United Nations	fao-who-gift@fao.org

CONFIDENTIALITY

The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

ACCESS CONDITIONS

Micro datasets disseminated by FAO shall only be allowed for research and statistical purposes. Any user which requests access working for a commercial company will not be granted access to any micro dataset regardless of their specified purpose. Users requesting access to any datasets must agree to the following minimal conditions:
- The micro dataset will only be used for statistical and/or research purposes;
- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
- The micro dataset cannot be re-disseminated by users or shared with anyone other than the individuals that are granted

access to the micro dataset by FAO.

CITATION REQUIREMENTS
Estudo de Riscos Cardiovasculares em Adolescentes (Erica), 2013-2014 - IESC-UFRJ. Harmonized for the Global Dietary Database.

Disclaimer and copyrights

DISCLAIMER
The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses

Metadata production

DDI DOCUMENT ID
DDI_BRA_2014_ERICA_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Food and Nutrition Division	ESN	Food and Agriculture Organization of the United Nations	Metadata producer
Office of Chief Statistician	OCS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

DDI DOCUMENT VERSION
BRA_2014_ERICA_v01_EN_M_v01_A_OCS_v01

Data Dictionary

Data file	Cases	Variables
anon_subject_user	577	23
anon_consumption_user_1	864719	77
anon_consumption_user_2	864093	77
anon_consumption_user_3	863568	77