

## Child height and weight measurements

The data is called `childhealth_dutch`.

### Description

Longitudinal height and weight measurements during ages 0-2 years for a representative sample of 1,933 Dutch children born in 1988-1989.

The source of this data is < <https://github.com/stefvanbuuren/brokenstick> >

### Data format

A data frame with columns:

variable	class	description
subjid	numeric	unique identifier of each child
sex	character	Male or Female
rec	integer	NA
age	numeric	NA
agedays	numeric	Age in days
gagebrth	numeric	Gestational age at birth (days)
htcm	numeric	Length/height in cm (34-102)
wtkg	numeric	Weight measurement in kg (0.8-20.5)
haz	numeric	Height in SDS relative to WHO child growth standard
waz	numeric	Weight in SDS relative to WHO child growth standard

## Child height and weight measurements

The data is called `childhealth_us`.

### Description

Subset of growth data from the collaborative perinatal project (CPP).

The source of this data is < <https://github.com/hafen/hbgd> >

### Data format

A data frame with columns:

variable	class	description
subjid	integer	unique identifier of each child
sex	character	Male or Female
agedays	integer	Age in days
gagebrth	numeric	Gestational age at birth (days)
wtkg	numeric	Weight measurement in kg (0.8-20.5)
htcm	integer	Length/height in cm (34-102)
haz	numeric	Height in SDS relative to WHO child growth standard
waz	numeric	Weight in SDS relative to WHO child growth standard

variable	class	description
mrace	character	Race of the mother
mage	integer	Mother age at child birth
meducyrs	integer	Educational years of mother
ses	character	Socioeconomic status of mother

## Child birth data

The data is called birth\_us.

### Description

Subset of growth data from the collaborative perinatal project (CPP).

The source of this data is < <https://github.com/hafen/hbgd> >

### Data format

A data frame with columns:

variable	class	description
subjid	integer	unique identifier of each child
sex	character	Male or Female
birthwt	integer	Birthweight of the child
birthlen	integer	Birth length of the child
apgar1	integer	a quick test performed on a baby at 1 minute after birth. <a href="https://medlineplus.gov/ency/article/003402.htm">https://medlineplus.gov/ency/article/003402.htm</a>
apgar5	integer	a quick test performed on a baby at 5 minutes after birth. <a href="https://medlineplus.gov/ency/article/003402.htm">https://medlineplus.gov/ency/article/003402.htm</a>
mrace	character	Race of the mother
mage	integer	Mother age at child birth
smoked	integer	If the mother smoked (1) or didn't smoke (0)
meducyrs	integer	Educational years of mother
ses	character	Socioeconomic status of mother

## Child birth data

The data is called birth\_dutch.

### Description

Measurements during ages 0-2 years for a representative sample of 1,933 Dutch children born in 1988-1989

The source of this data is < <https://github.com/stefvanbuuren/brokenstick> >

### Data format

A data frame with columns:

variable	class	description
subjid	numeric	unique identifier of each child
sex	character	Male or Female
birthwt	numeric	Birthweight of the child

## WHO coefficients for weight Z-score calculations

The data is called `weight_coef`.

### Description

See <https://www.cdc.gov/nchs/data/nhsr/nhsr063.pdf> for a description on how calculations are made. However, the CDC has different coefficients.

The source of this data is < <https://github.com/hafen/growthstandards> >

### Data format

A data frame with columns:

variable	class	description
agedays	numeric	Age of child in days
mean_male	numeric	The mean height for a male child
cv_male	numeric	The coefficient of variation for male children - <a href="https://en.wikipedia.org/wiki/Coefficient_of_variation">https://en.wikipedia.org/wiki/Coefficient_of_variation</a>
l_male	numeric	The box-cox transformation for male children - <a href="https://www.cdc.gov/nchs/data/nhsr/nhsr063.pdf">https://www.cdc.gov/nchs/data/nhsr/nhsr063.pdf</a>
mean_female	numeric	The mean height for a female child
cv_female	numeric	The coefficient of variation for female children
l_female	numeric	The box-cox transformation for female children
sd_female	numeric	The standard deviation for female children
sd_male	numeric	The standard deviation for male children

## WHO coefficients for height Z-score calculations

The data is called `height_coef`.

### Description

See <https://www.cdc.gov/nchs/data/nhsr/nhsr063.pdf> for a description on how calculations are made. However, the CDC has different coefficients. The l values were all 1 so they were removed

The source of this data is < <https://github.com/hafen/growthstandards> >

### Data format

A data frame with columns:

variable	class	description
loh	character	Length or height values
agedays	numeric	Age of child in days
mean_female	numeric	The mean height for a female child
cv_female	numeric	The coefficient of variation for female children
mean_male	numeric	The mean height for a male child
cv_male	numeric	The coefficient of variation for male children - <a href="https://en.wikipedia.org/wiki/Coefficient_of_variation">https://en.wikipedia.org/wiki/Coefficient_of_variation</a>
sd_female	numeric	The standard deviation for female children
sd_male	numeric	The standard deviation for male children

## Child height, weight, head circumference measurements

The data is called `childhealth_maled`.

### Description

Subset of growth data from the Malnutrition and Enteric Disease Study (MAL-ED).

The source of this data is < <https://www.fic.nih.gov/About/Staff/Pages/mal-ed.aspx> and [https://clinepidb.org/ce/app/record/dataset/DS\\_5c41b87221](https://clinepidb.org/ce/app/record/dataset/DS_5c41b87221) >

### Data format

A data frame with columns:

variable	class	description
subjid	character	unique identifier of each child
sex	character	Male or Female
country	character	Label for the varied countries
agedays	numeric	Age in days
wtkg	numeric	Weight measurement in kg (0.8-20.5)
stcm	numeric	Stature either Length or height in cm
htcm	numeric	Height in cm
lncm	numeric	Length in cm
lh_used	character	Length or Height used for stature
hccm	numeric	Head Circumference in cm
lhaz	numeric	Length or Height for age in SDS relative to WHO child growth standard
haz	numeric	Height for age in SDS relative to WHO child growth standard
laz	numeric	Length for age in SDS relative to WHO child growth standard
waz	numeric	Weight for age in SDS relative to WHO child growth standard
hcaz	numeric	Head circumference for age in SDS relative to WHO child growth standard
whz	numeric	Weight for height or length in SDS relative to WHO child growth standard

## Child height and weight measurements for all data from three studies at one year of age.

The data is called `days_365`.

## Description

A subset of measurements from the three studies.

The source of this data is < <https://github.com/stefvanbuuren/brokenstick>, <https://github.com/hafen/hbgd>, and [https://clinepidb.org/ce/app/record/dataset/DS\\_5c41b87221](https://clinepidb.org/ce/app/record/dataset/DS_5c41b87221) >

## Data format

A data frame with columns:

variable	class	description
subjid	character	unique identifier of each child
sex	character	Male or Female
htcm	numeric	Height in cm
wtkg	numeric	Weight measurement in kg (0.8-20.5)
haz	numeric	Height for age in SDS relative to WHO child growth standard
waz	numeric	Weight for age in SDS relative to WHO child growth standard
country	character	Label for the varied countries