

# Achondroplasia Growth Curves



Growth curves are an important tool your child's healthcare providers use to track, predict, and evaluate growth over time. Achondroplasia-specific growth curves are essential in the care of growing infants and children with achondroplasia and can empower caregivers to ensure their healthcare providers have access to accurate and relevant information. These growth curves were created using data points\* from over 1,300 individuals with achondroplasia. Be sure to bring these growth curves to your next doctor's appointment to assess growth over time and facilitate healthcare discussions.

\*Achondroplasia Natural History Study (CLARITY) is an 18-year multicenter study of 1,374 subjects with over 37,000 data points which are the basis of these Growth Curves specific to those living with achondroplasia. One of the CLARITY objectives was to develop growth curves (length/height, weight, head circumference, weight-for-height) and corresponding reference tables of mean and standard deviations at 1-month increments from birth through 18 years for clinical use and research for achondroplasia patients.

Stature	Weight for Age	Weight for Height	Head Circumference
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**TABLE OF CONTENTS**

**STATURE**

**Males**

Length for Age: Birth to 36 Months ..... 3

Height for Age: 2 to 18 Years ..... 4

**Females**

Length for Age: Birth to 36 Months ..... 5

Height for Age: 2 to 18 Years ..... 6

**WEIGHT FOR AGE**

**Males**

Birth to 36 Months ..... 7

2 to 18 Years ..... 8

**Females**

Birth to 36 Months ..... 9

2 to 18 Years ..... 10

**WEIGHT FOR HEIGHT**

**Males**

50 cm to 80 cm ..... 11

80 cm to 110 cm ..... 12

110 cm to 140 cm ..... 13

**Females**

50 cm to 80 cm ..... 14

80 cm to 110 cm ..... 15

110 cm to 130 cm ..... 16

**HEAD CIRCUMFERENCE**

**Males**

OFC for Age: Birth to 5 years ..... 17

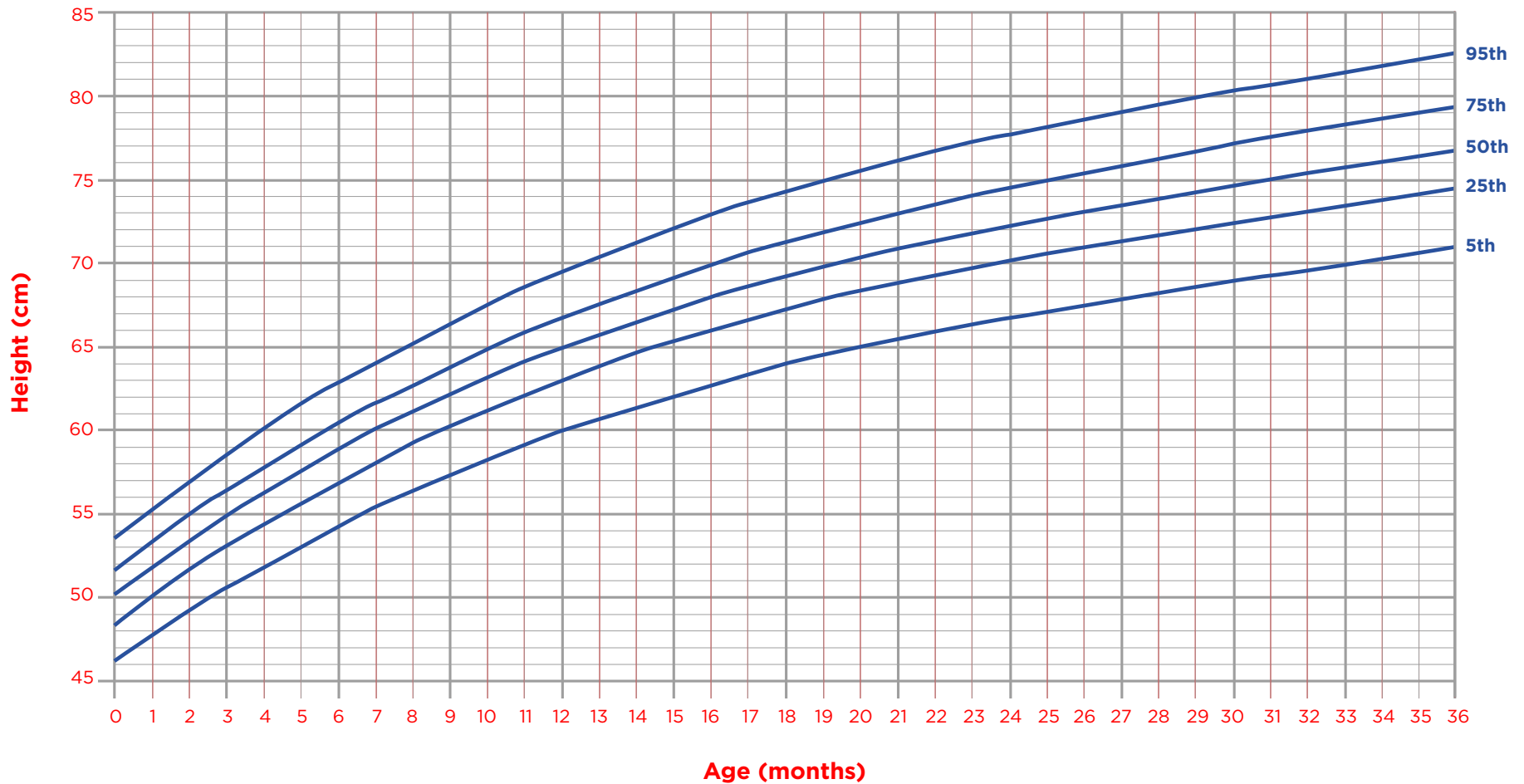
**Females**

OFC for Age: Birth to 5 years ..... 18

OFC, occipital frontal circumference

- Stature
- Weight for Age
- Weight for Height
- Head Circumference

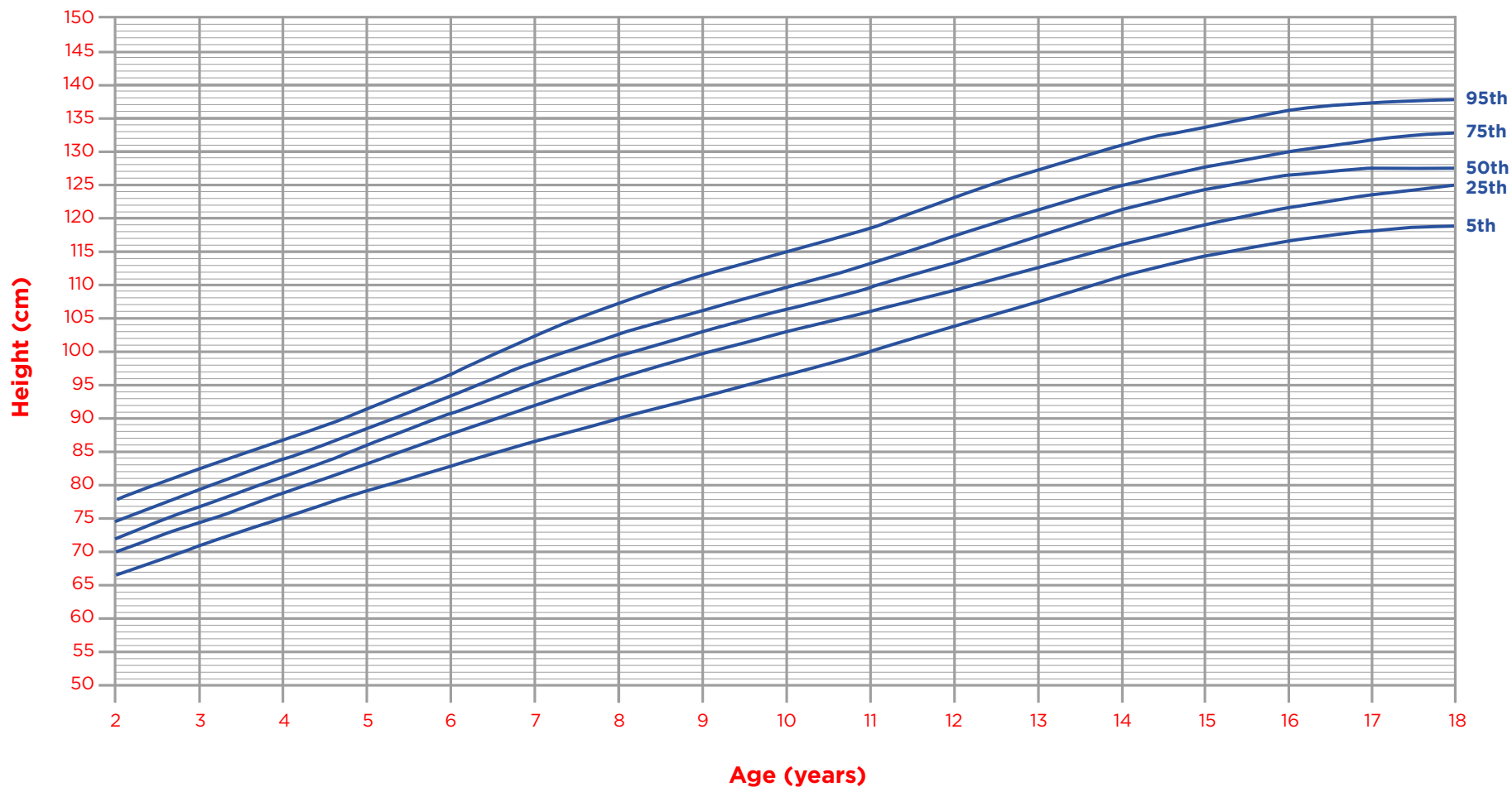
Length for Age  
**Males: Birth to 36 Months**



Derived from 3024 data points from 544 subjects.

- Stature
- Weight for Age
- Weight for Height
- Head Circumference

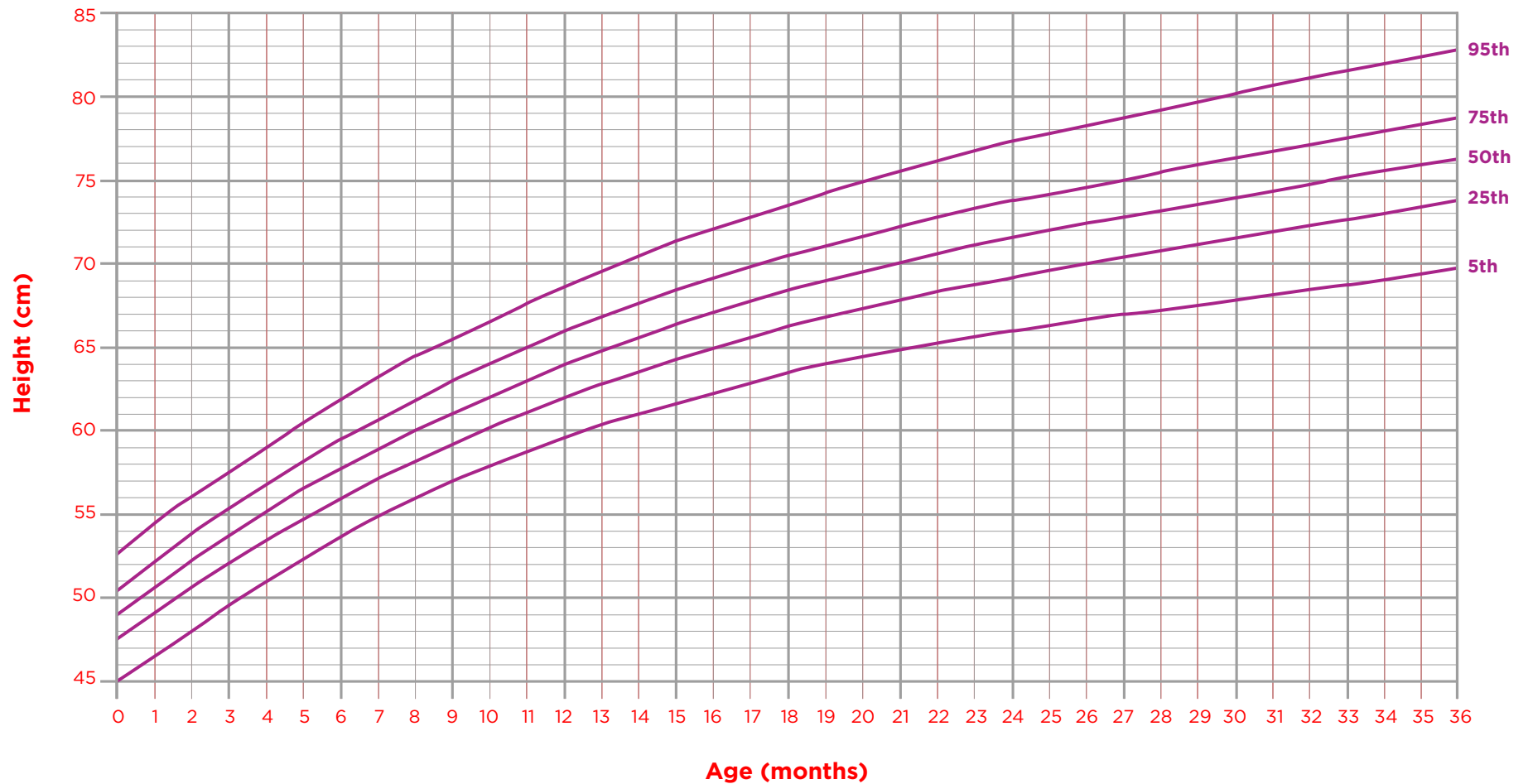
Height for Age  
Males: 2 to 18 Years



Derived from 4011 data points from 549 subjects.

- Stature
- Weight for Age
- Weight for Height
- Head Circumference

Length for Age  
**Females: Birth to 36 Months**

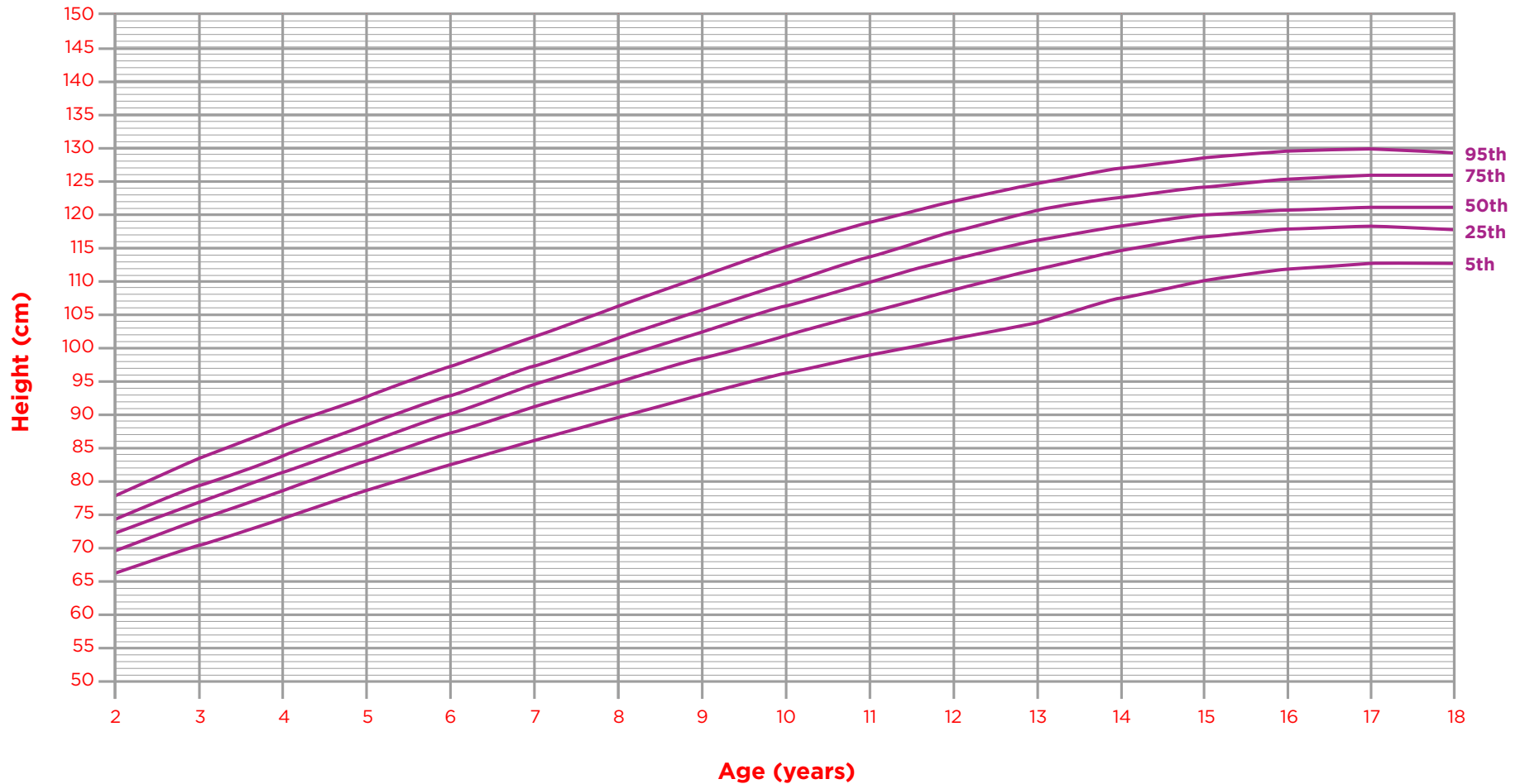


Derived from 2700 data points from 489 subjects.



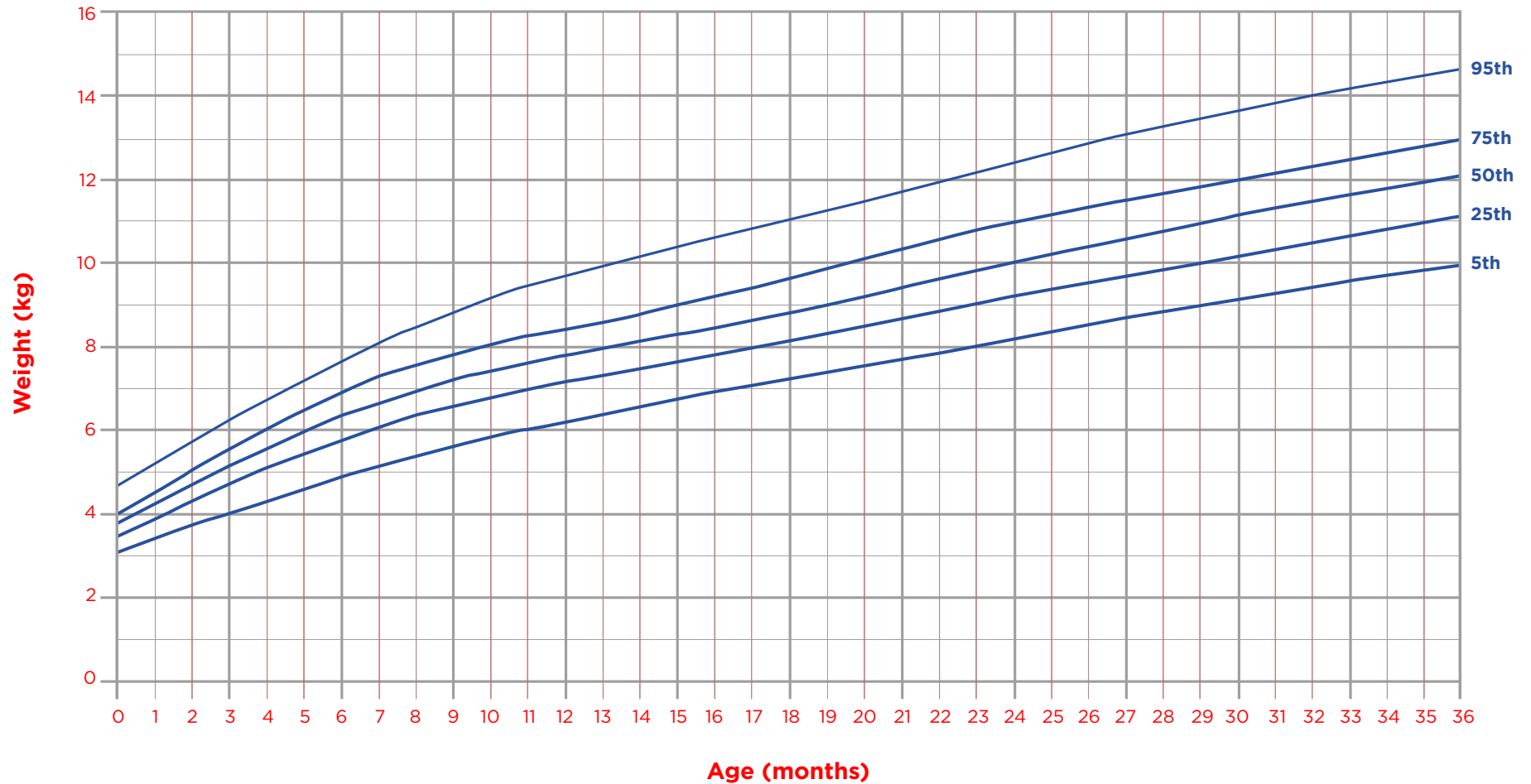
- Stature
- Weight for Age
- Weight for Height
- Head Circumference

Height for Age  
**Females: 2 to 18 Years**



Derived from 3703 data points from 502 subjects.

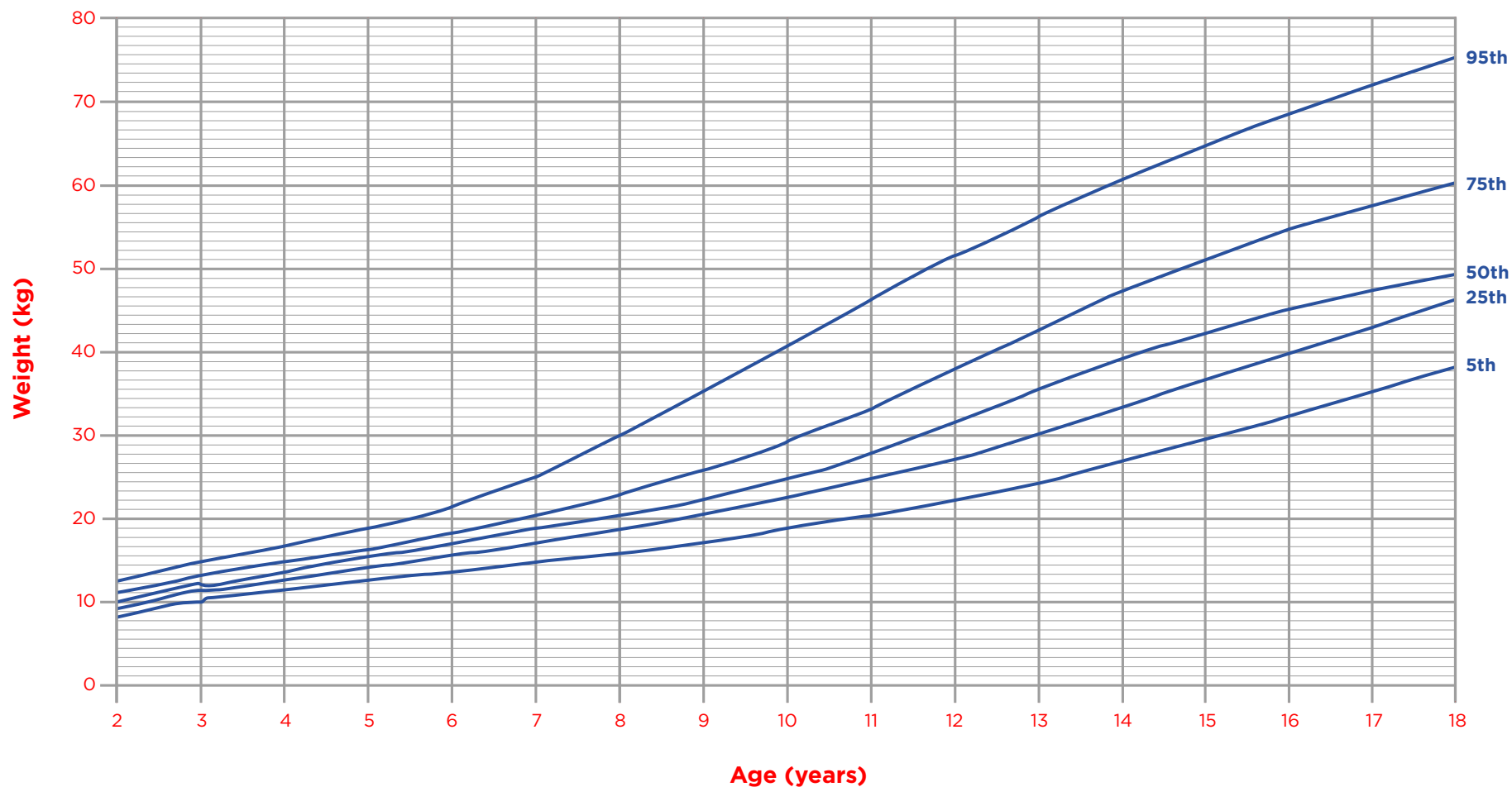
Weight for Age  
Males: Birth to 36 Months



Derived from 3585 data points from 549 subjects.

- Stature
- Weight for Age**
- Weight for Height
- Head Circumference

Weight for Age  
Males: 2 to 18 Years



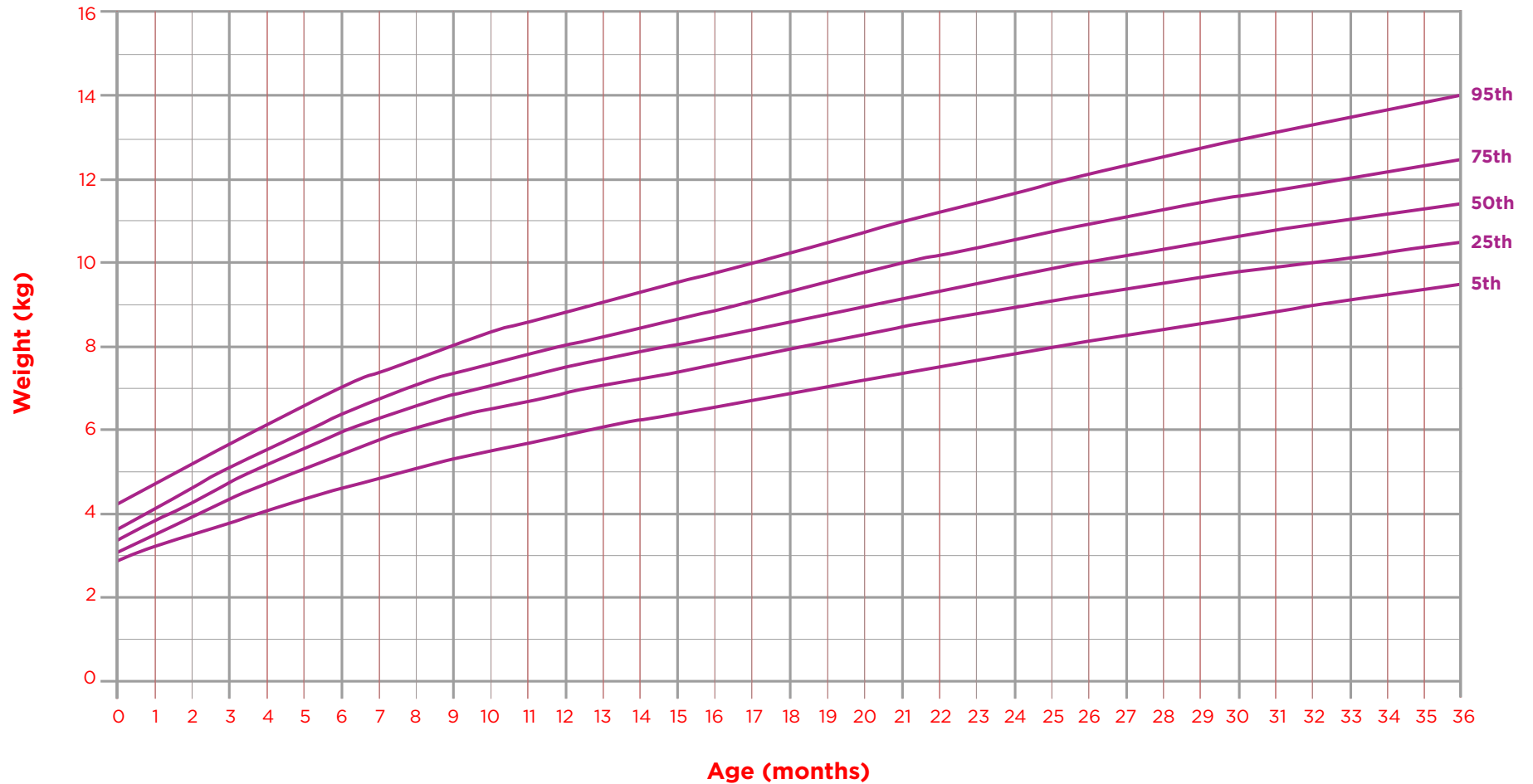
Derived from 4512 data points from 528 subjects.





- Stature
- Weight for Age**
- Weight for Height
- Head Circumference

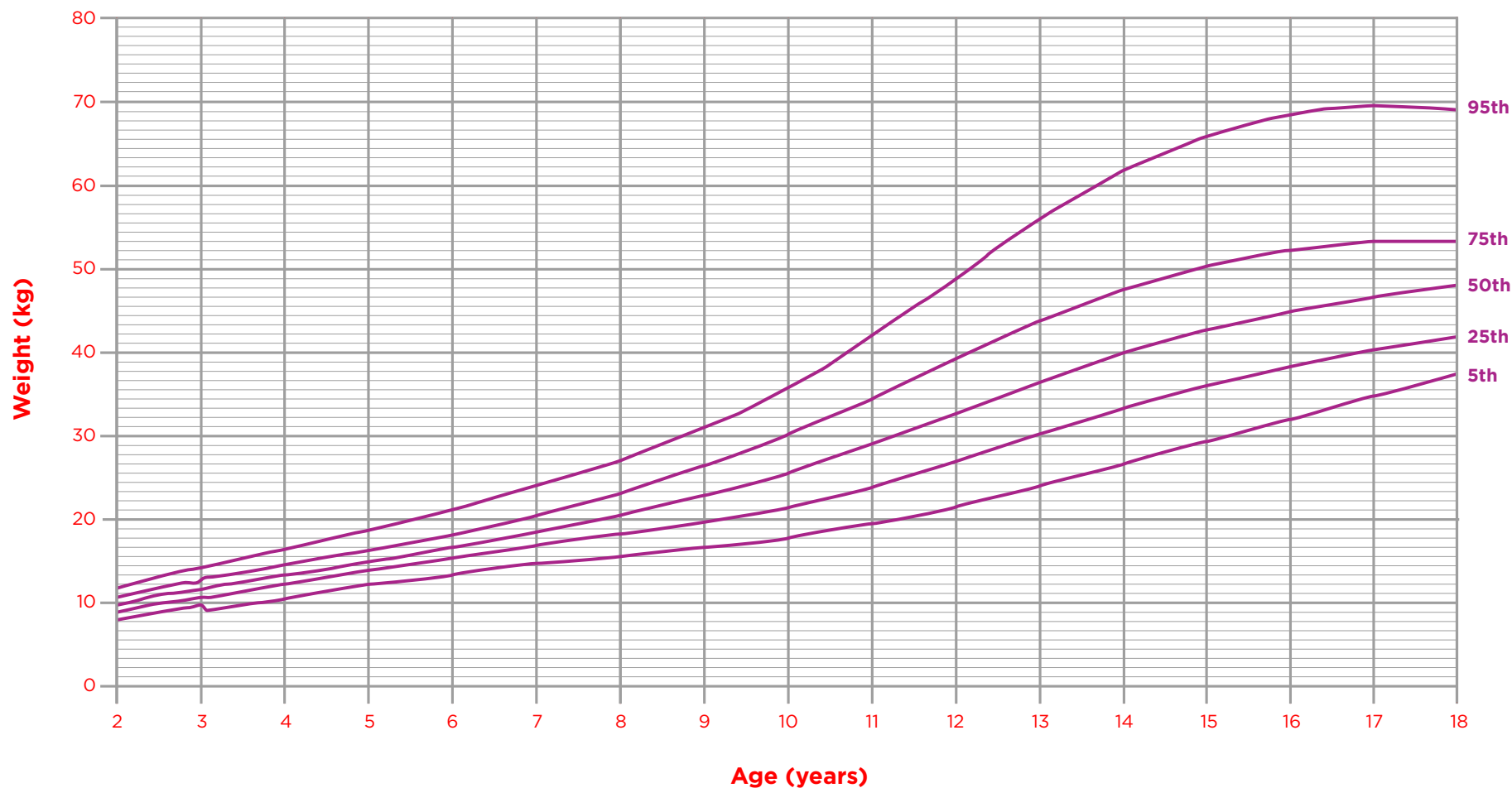
Weight for Age  
**Females: Birth to 36 Months**



Derived from 3087 data points from 491 subjects.

- Stature
- Weight for Age**
- Weight for Height
- Head Circumference

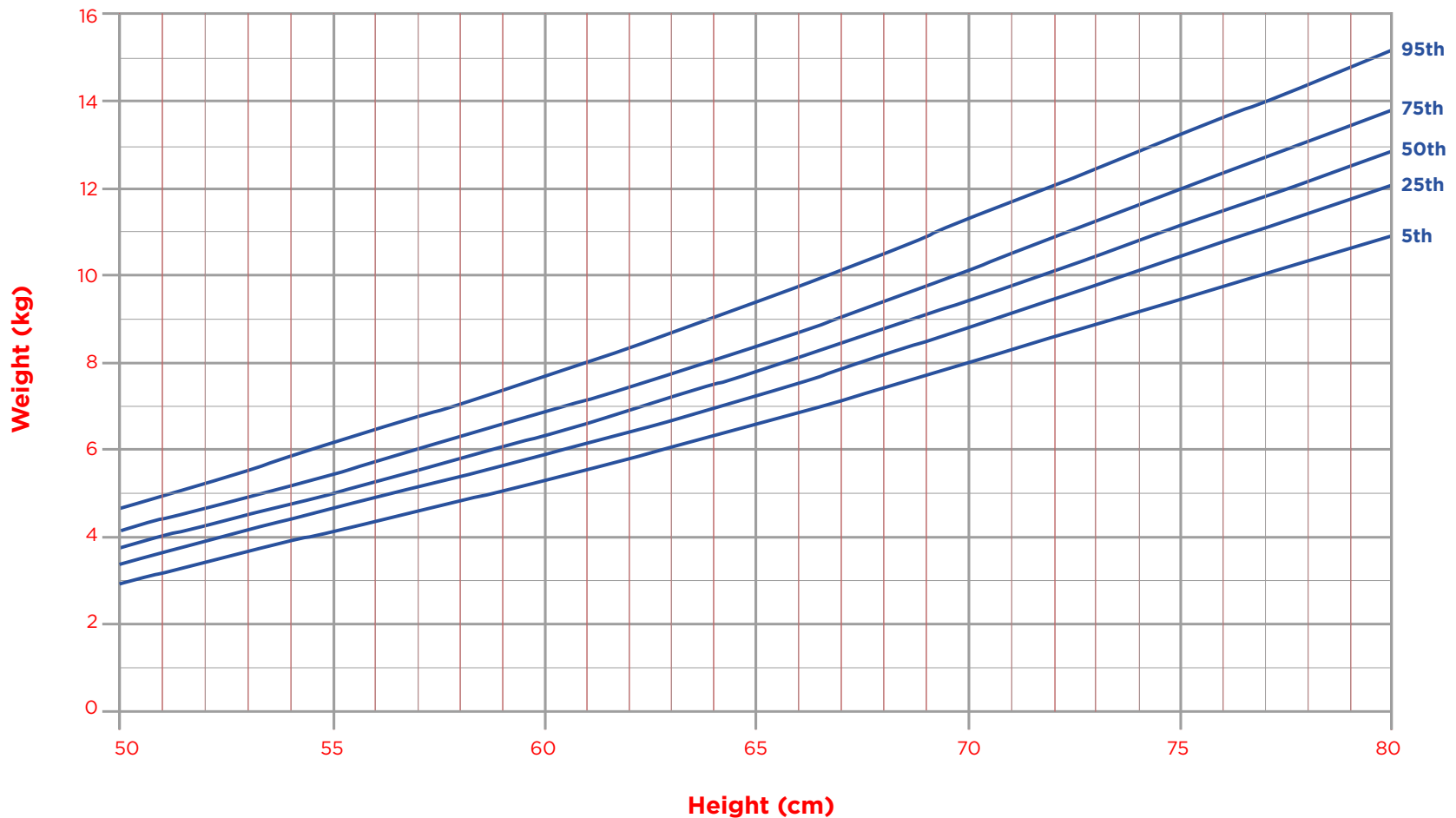
Weight for Age  
**Females: 2 to 18 Years**



Derived from 4236 data points from 482 subjects.

- Stature
- Weight for Age
- Weight for Height**
- Head Circumference

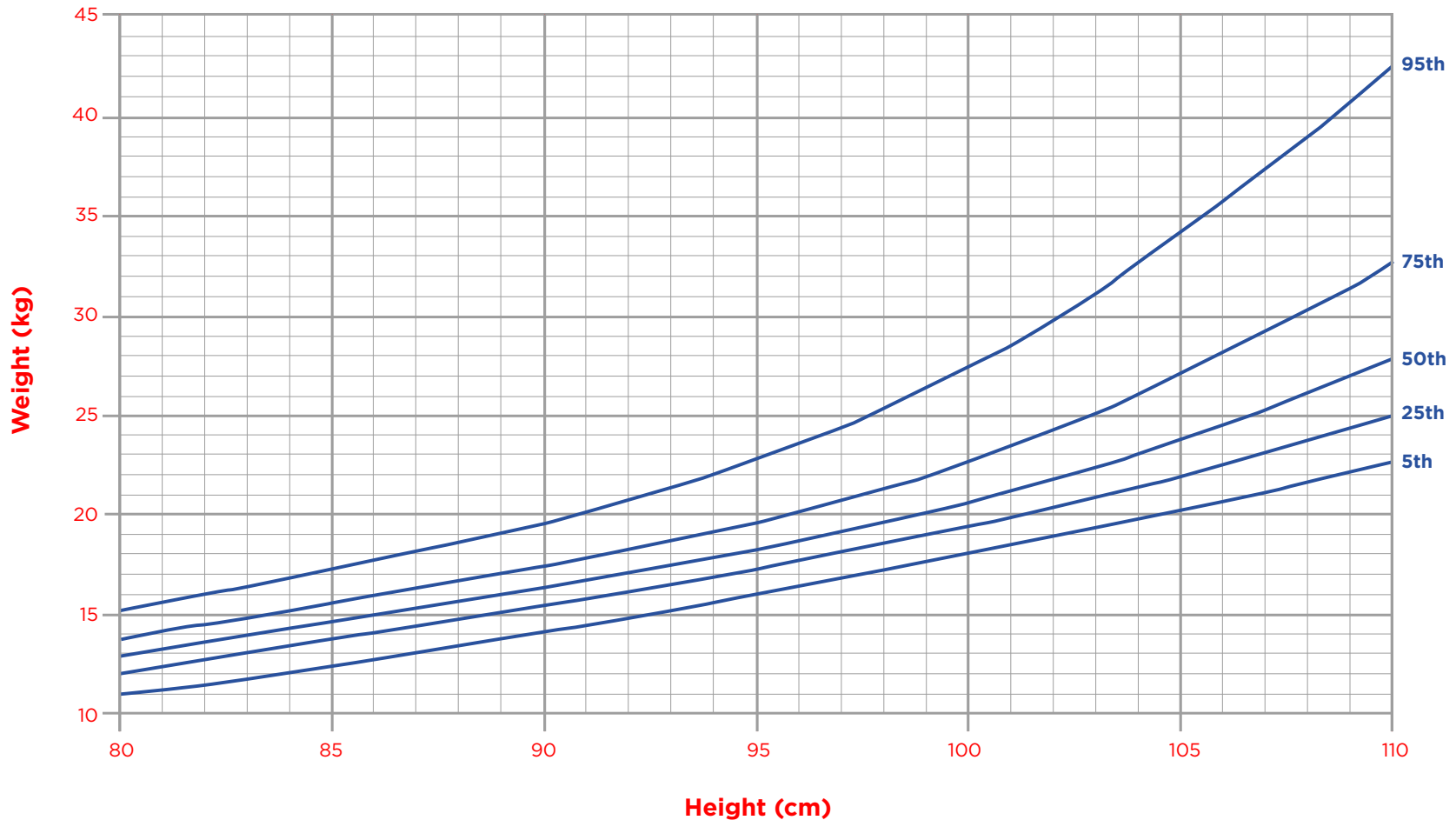
Weight for Height  
Males: 50 cm to 80 cm



Derived from 2822 data points from 493 subjects.

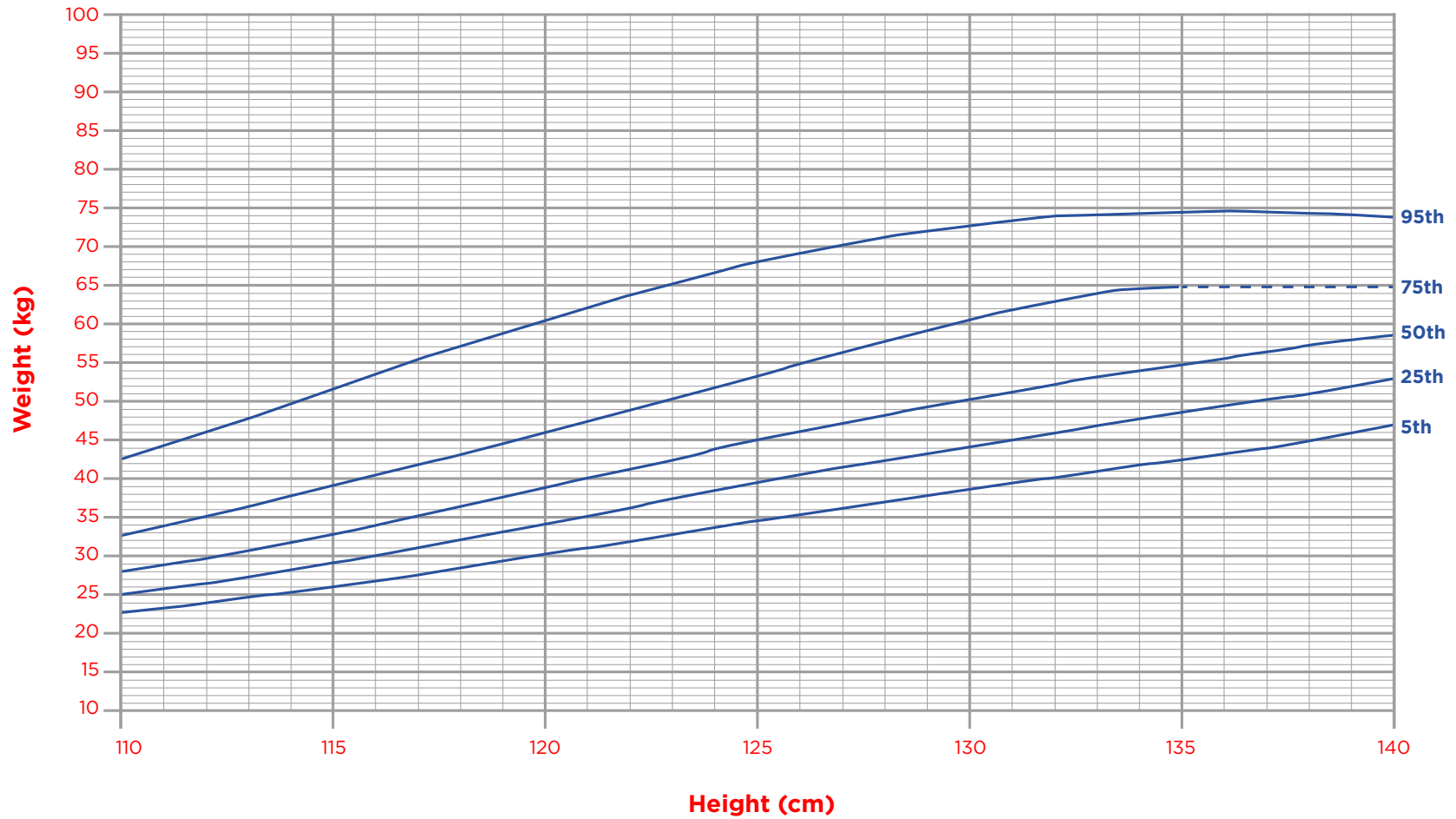
- Stature
- Weight for Age
- Weight for Height**
- Head Circumference

Weight for Height  
Males: 80 cm to 110 cm



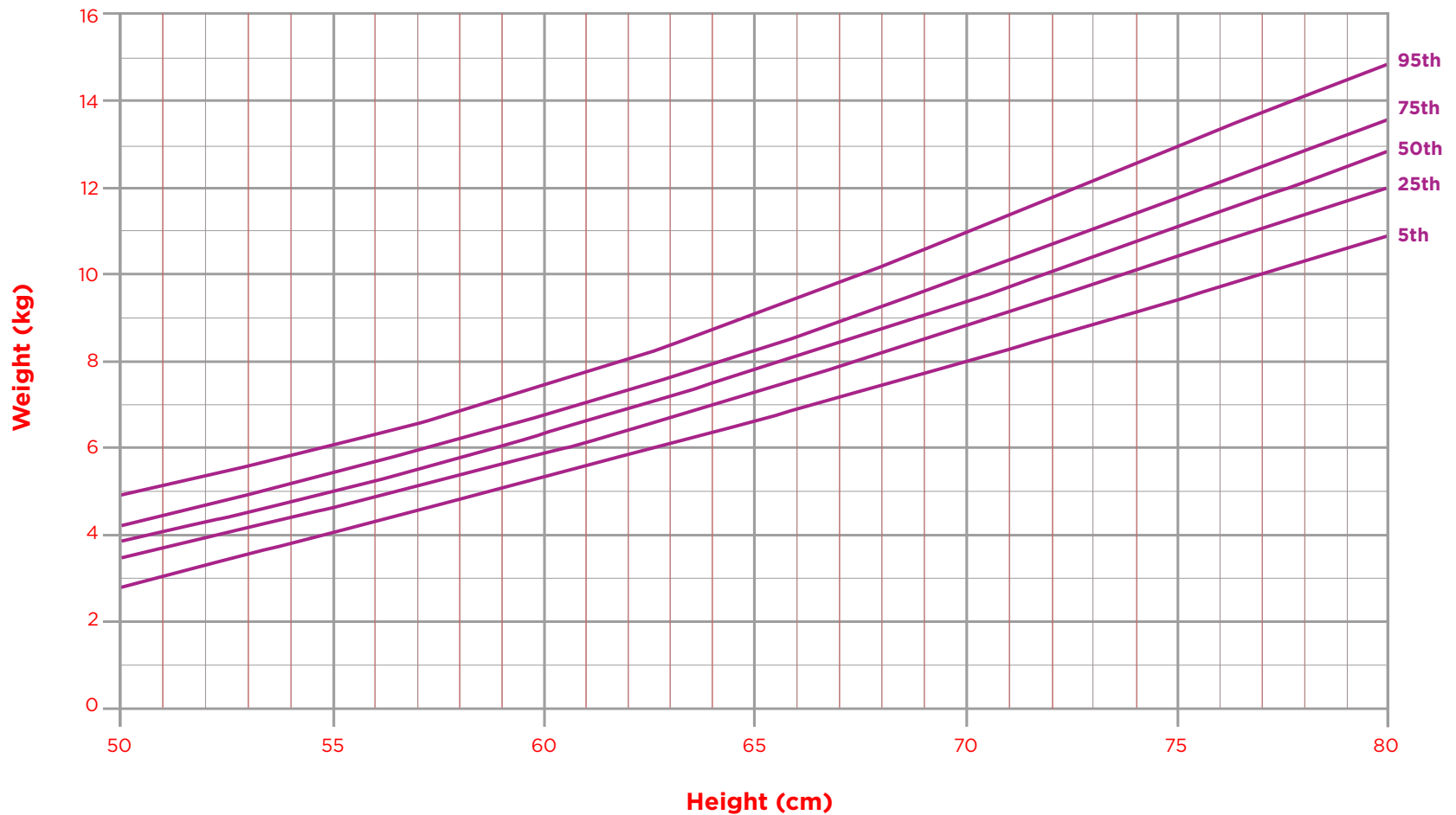
Derived from 2180 data points from 413 subjects.

Weight for Height  
Males: 110 cm to 140 cm



Derived from 956 data points from 265 subjects.

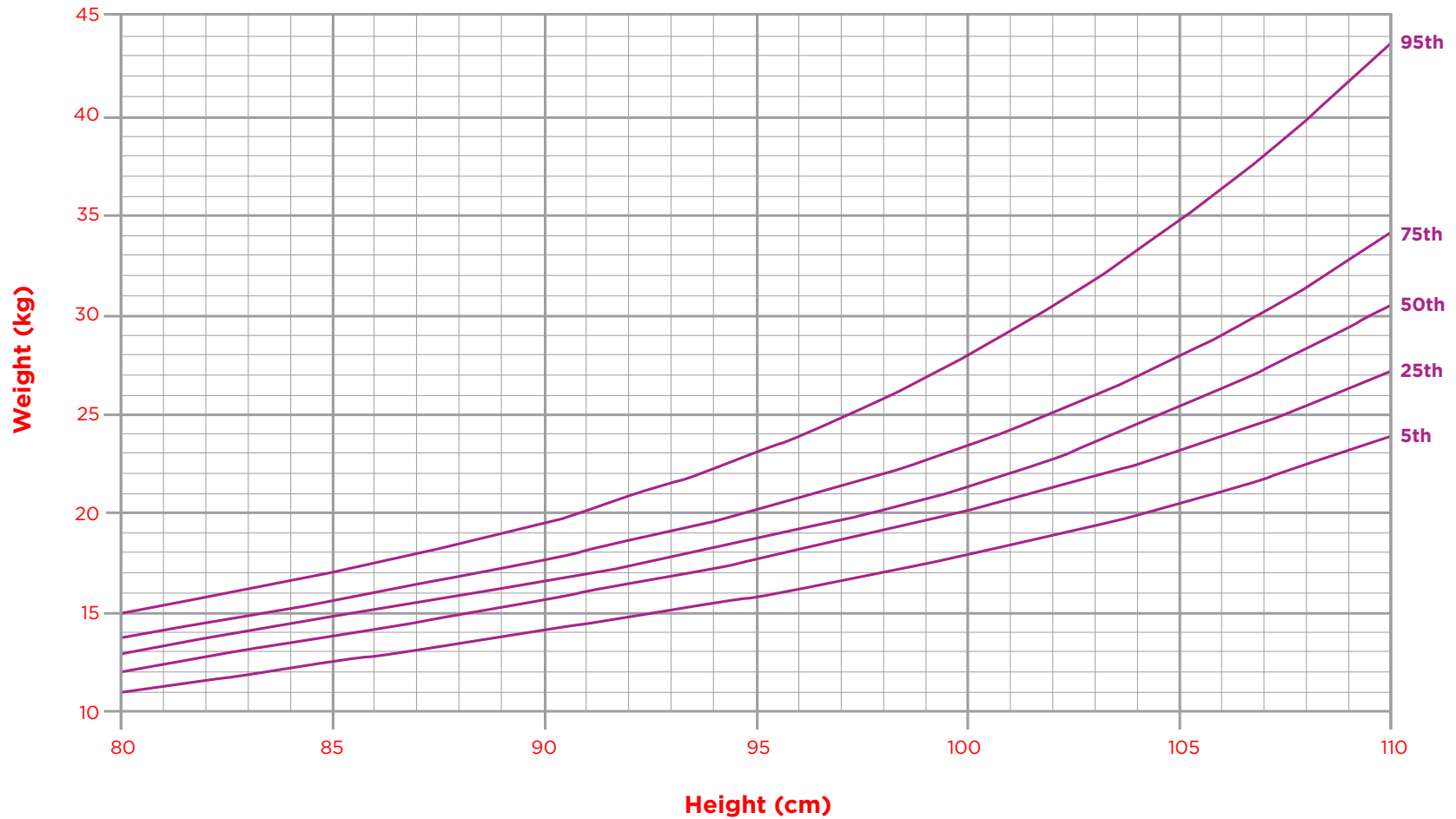
Weight for Height  
**Females: 50 cm to 80 cm**



Derived from 2478 data points from 440 subjects.

- Stature
- Weight for Age
- Weight for Height
- Head Circumference

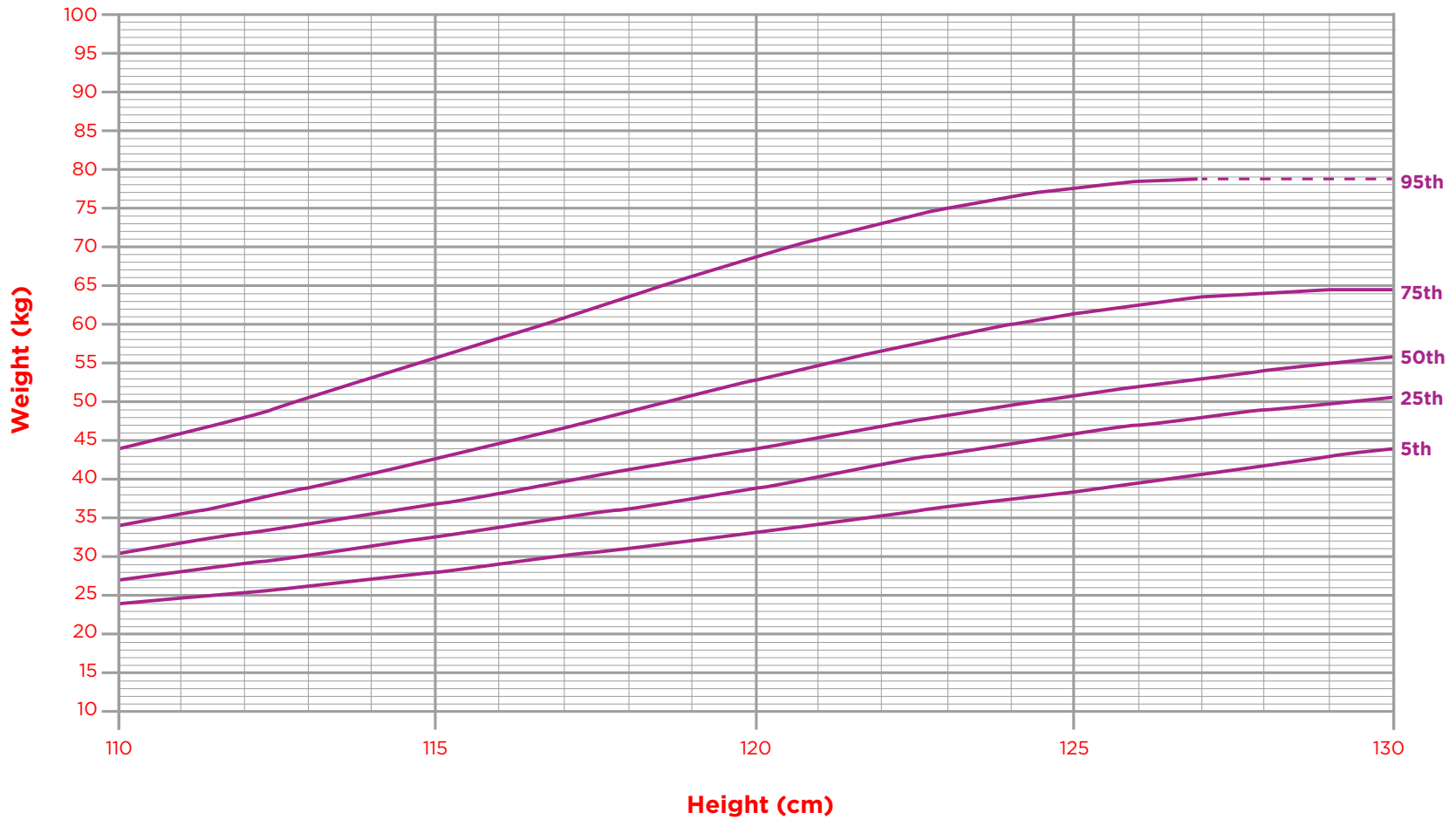
Weight for Height  
**Females: 80 cm to 110 cm**



Derived from 2420 data points from 388 subjects.

- Stature
- Weight for Age
- Weight for Height
- Head Circumference

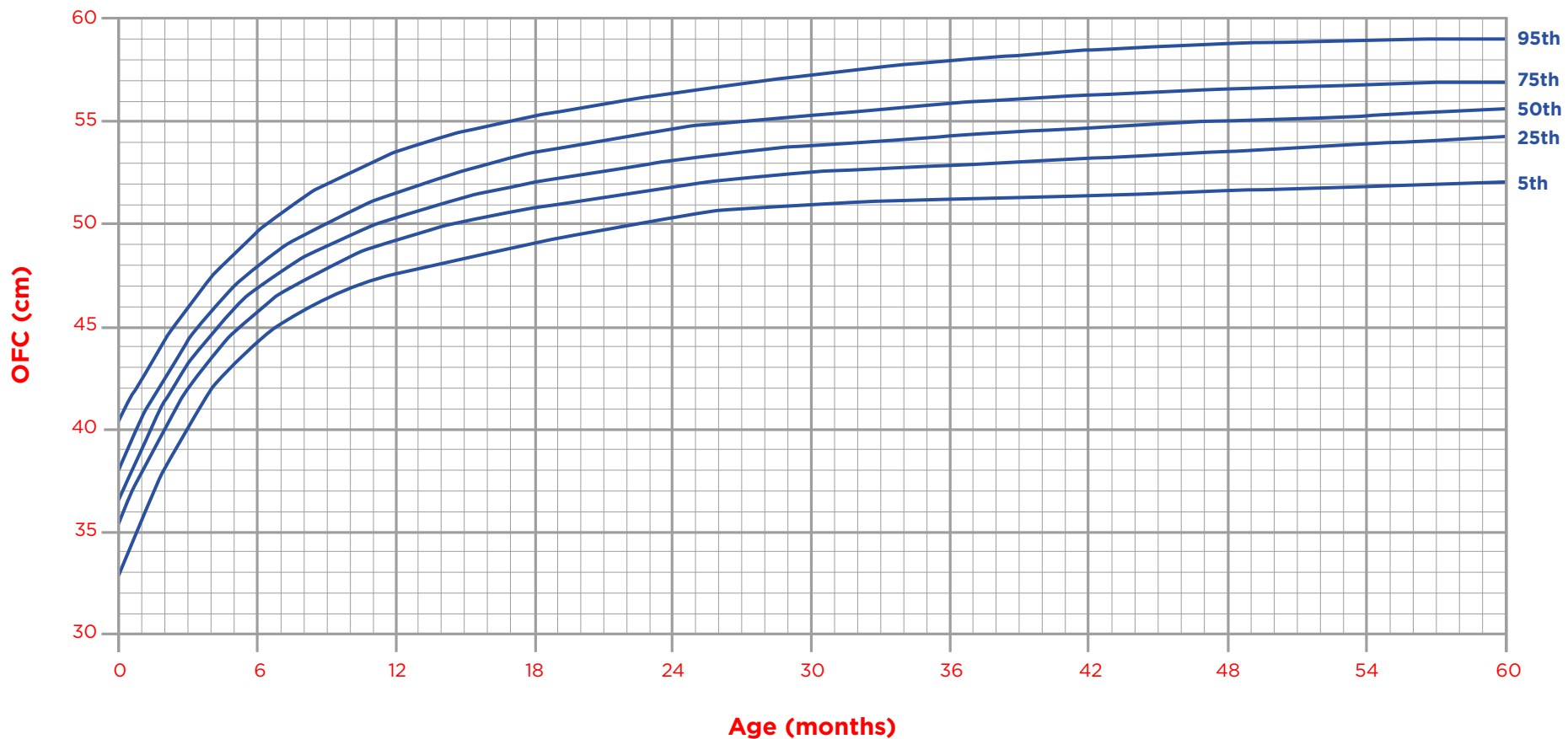
Weight for Height  
**Females: 110 cm to 130 cm**



Derived from 952 data points from 263 subjects.

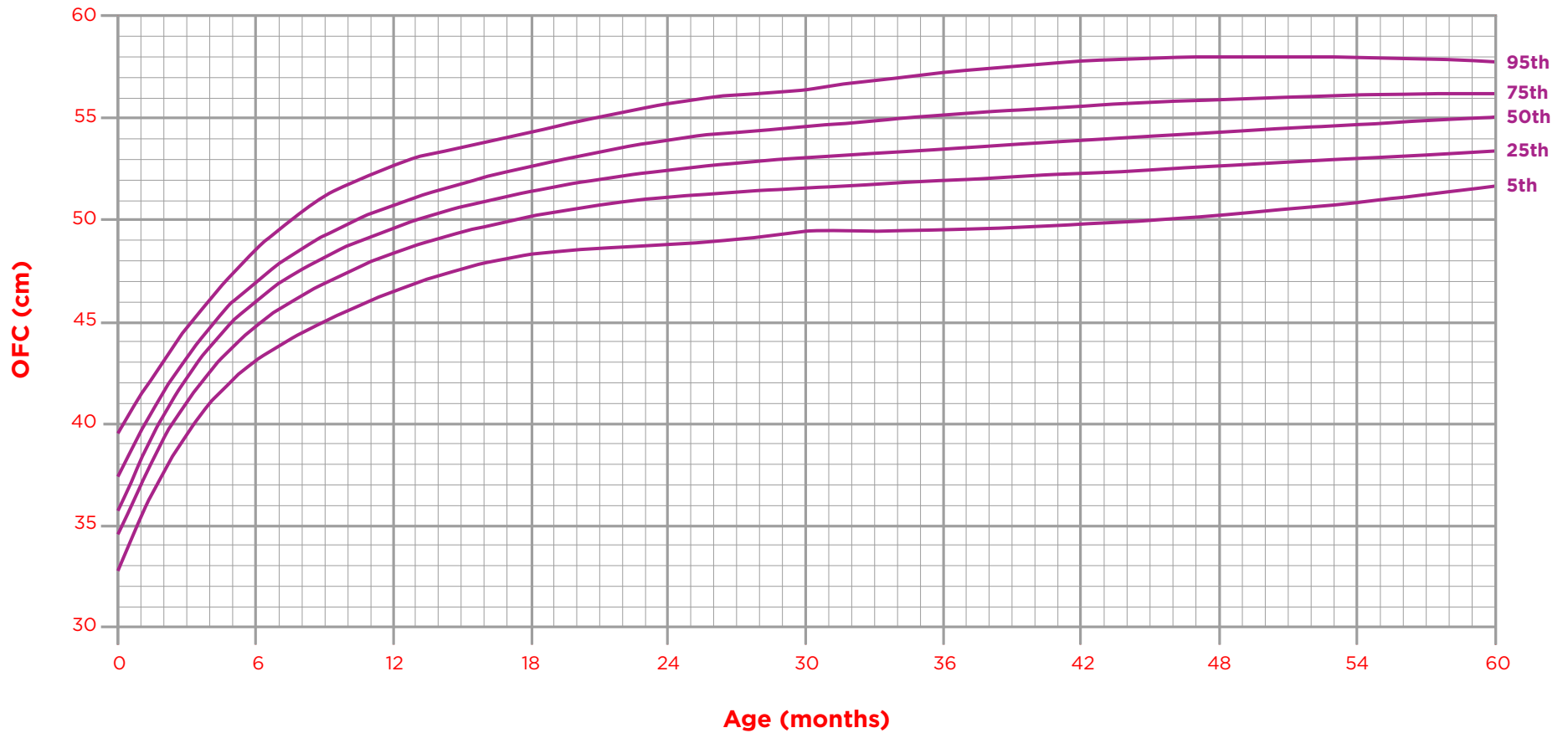


OFC for Age  
Males: Birth to 5 years



OFC, occipital frontal circumference  
Derived from 3449 data points from 534 subjects.

OFC for Age  
**Females: Birth to 5 years**



OFC, occipital frontal circumference  
 Derived from 3012 data points from 489 subjects.