

Hypochondroplasia Growth Curves

Growth curves are an important tool your child's healthcare providers use to track, predict, and evaluate growth over time. They include percentiles, which show how your child compares to others their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain what these numbers mean for your child.**

Your child's healthcare providers should use hypochondroplasia-specific growth charts to ensure they have access to accurate and relevant information needed for the care of growing infants and children with hypochondroplasia.

These growth curves were created using data points* from 188 individuals with hypochondroplasia in Europe (the largest existing hypochondroplasia database of body measurements). While there are limitations for representing a non-European population, these hypochondroplasia-specific growth curves are useful to assess your child's growth over time and facilitate healthcare discussions.

Bring these growth curves to your next doctor's appointment.

*Body measurements from 188 individuals with hypochondroplasia (0 to 18 years old) were collected from 18 skeletal dysplasia centers in Europe (14 United Kingdom, 1 France, 1 Germany, 1 Ireland, 1 Sweden). Hypochondroplasia-specific growth curves for clinical use and research for hypochondroplasia patients were generated from over 2,200 data points for height (983), weight (896), and head circumference (389). These growth charts are plotted by sex for ages 0 to 4 years (when most diagnosis occurs), ages 0 to 16 years (few data past this age), and for ages 0 to 4 years in a subset with the classical gene *fibroblast growth factor receptor 3* (*FGFR3*) variant for hypochondroplasia.

Height for Age

Weight for Age

Head Circumference for Age



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*Height or length before standing.

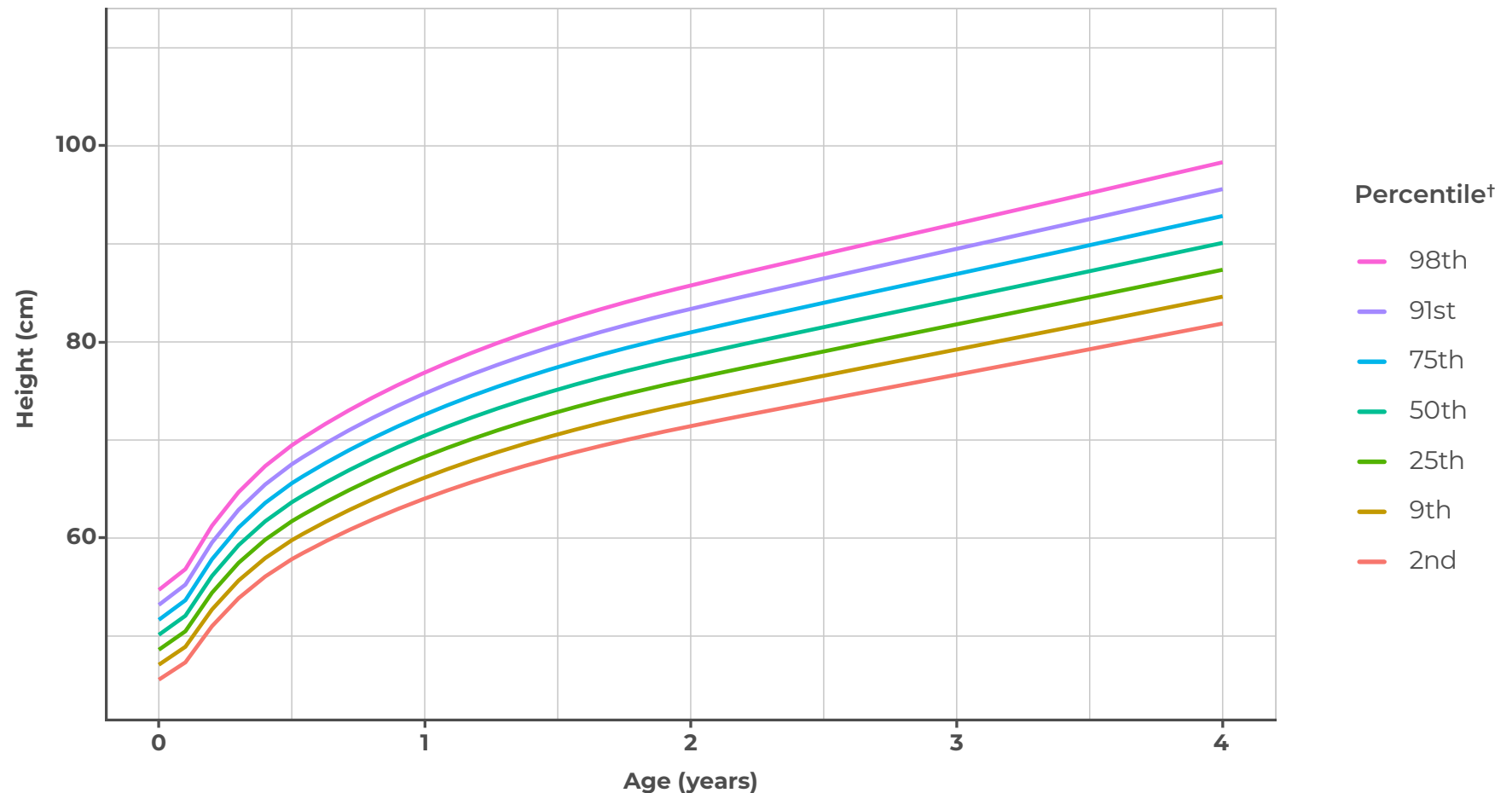
[†]Separate growth charts are provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

Height for Age

Weight for Age

Head Circumference for Age

Height for Age* Males: Birth to 4 Years



Derived from 269 data points from 42 subjects.

*Height or length before standing.

[†]Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

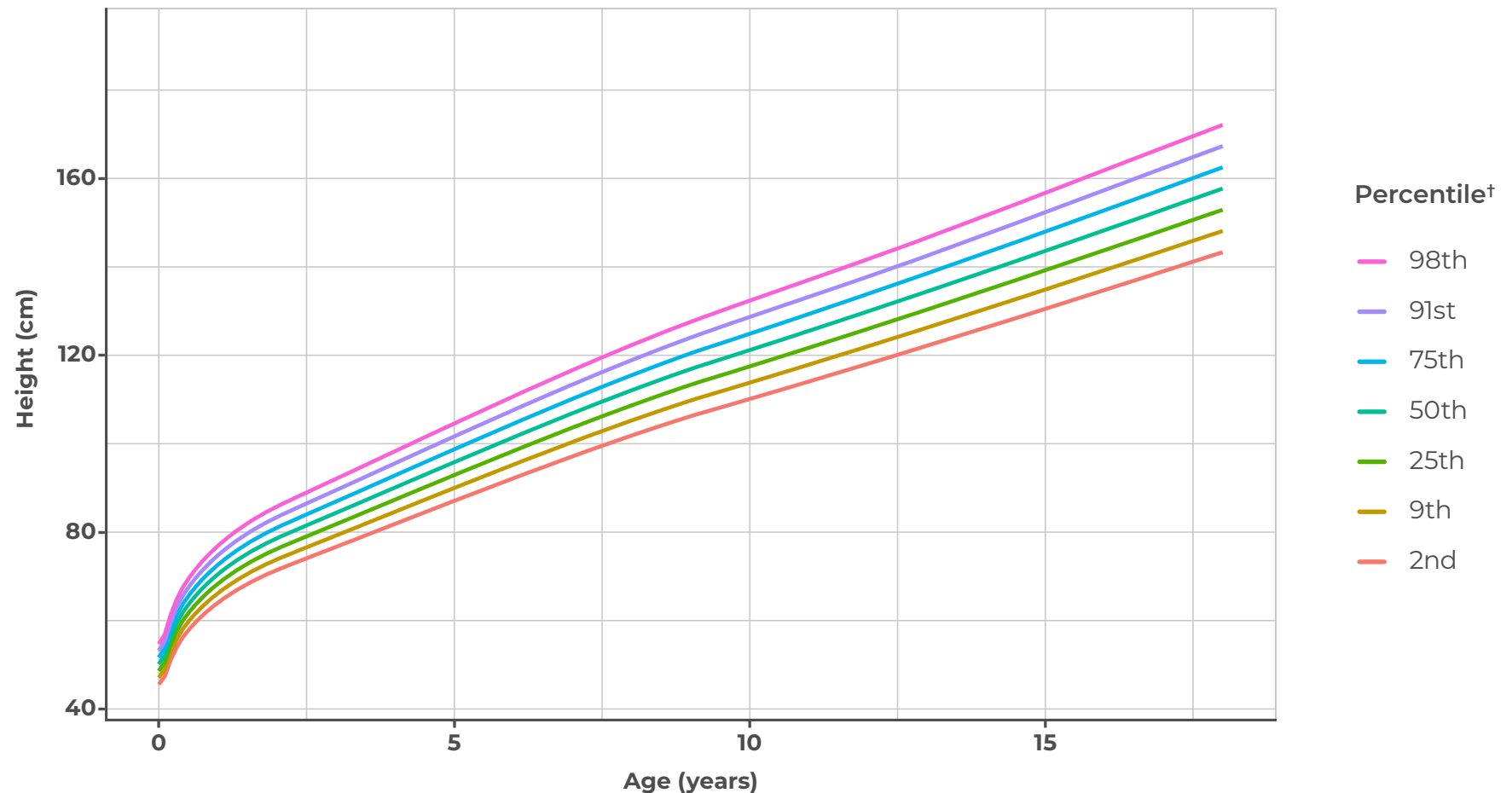
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Height for Age

Weight for Age

Head Circumference for Age

Height for Age*
Males: Birth to 16 Years



Derived from 574 data points from 109 subjects.

*Height or length before standing.

†Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

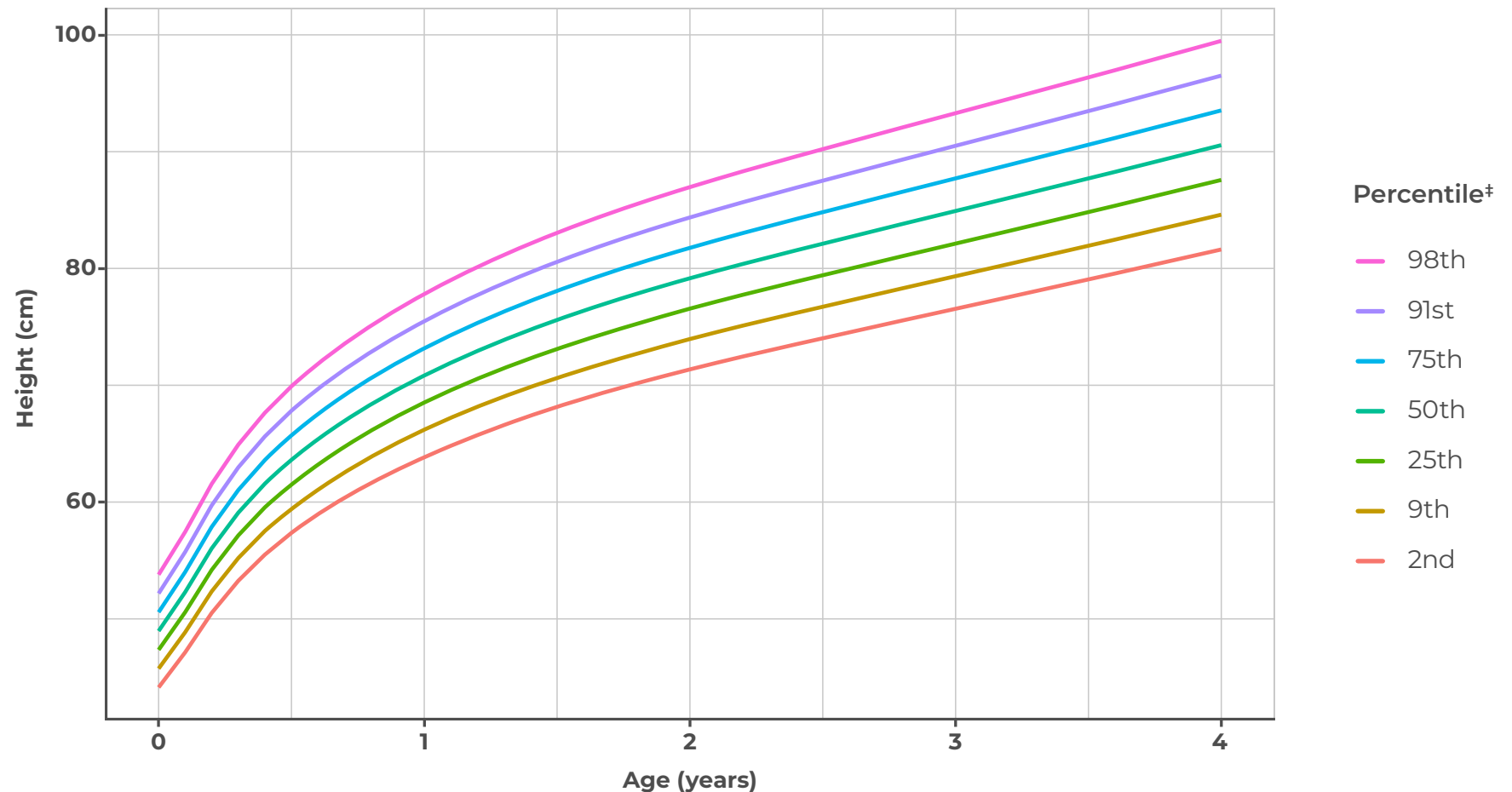
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Height for Age

Weight for Age

Head Circumference for Age

Height for Age*
Males: Birth to 4 Years (Classical Gene Variant†)



Derived from 151 data points from 17 subjects.

*Height or length before standing.

†Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

‡Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

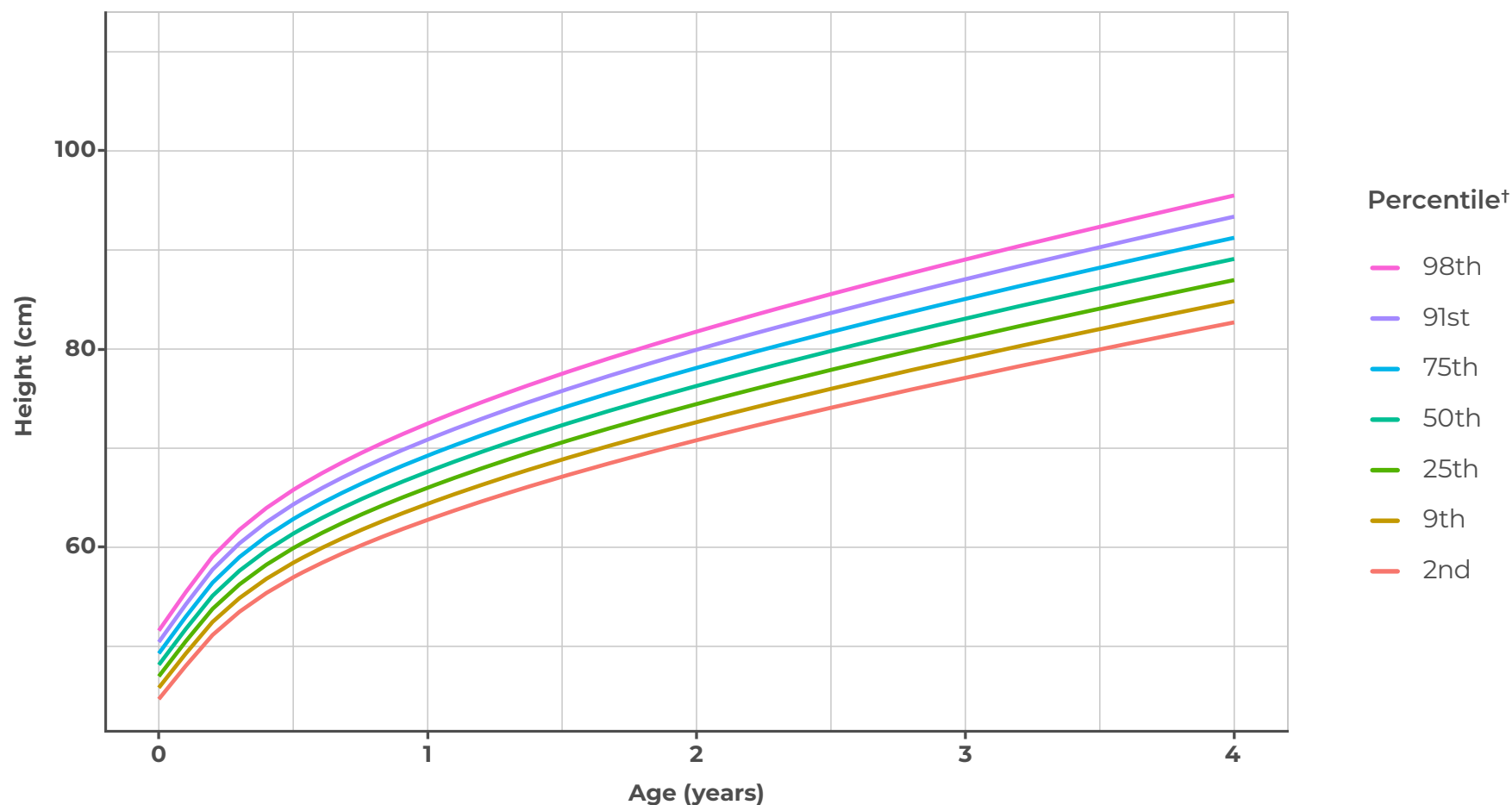
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Height for Age

Weight for Age

Head Circumference for Age

Height for Age* Females: Birth to 4 Years



Derived from 203 data points from 43 subjects.

*Height or length before standing.

†Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

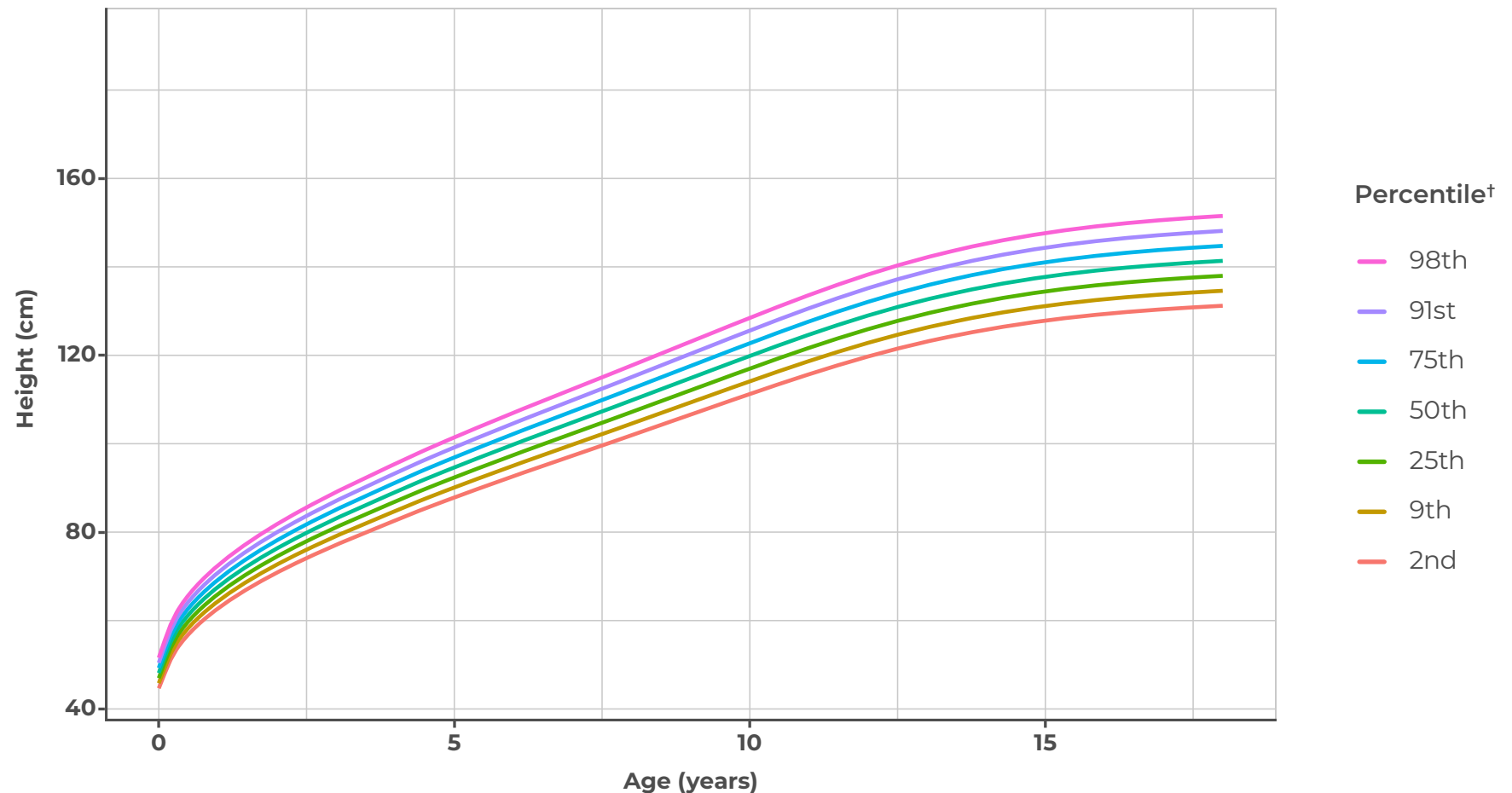
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Height for Age

Weight for Age

Head Circumference for Age

*Height for Age**
Females: Birth to 16 Years



Derived from 409 data points from 79 subjects.

*Height or length before standing.

[†]Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

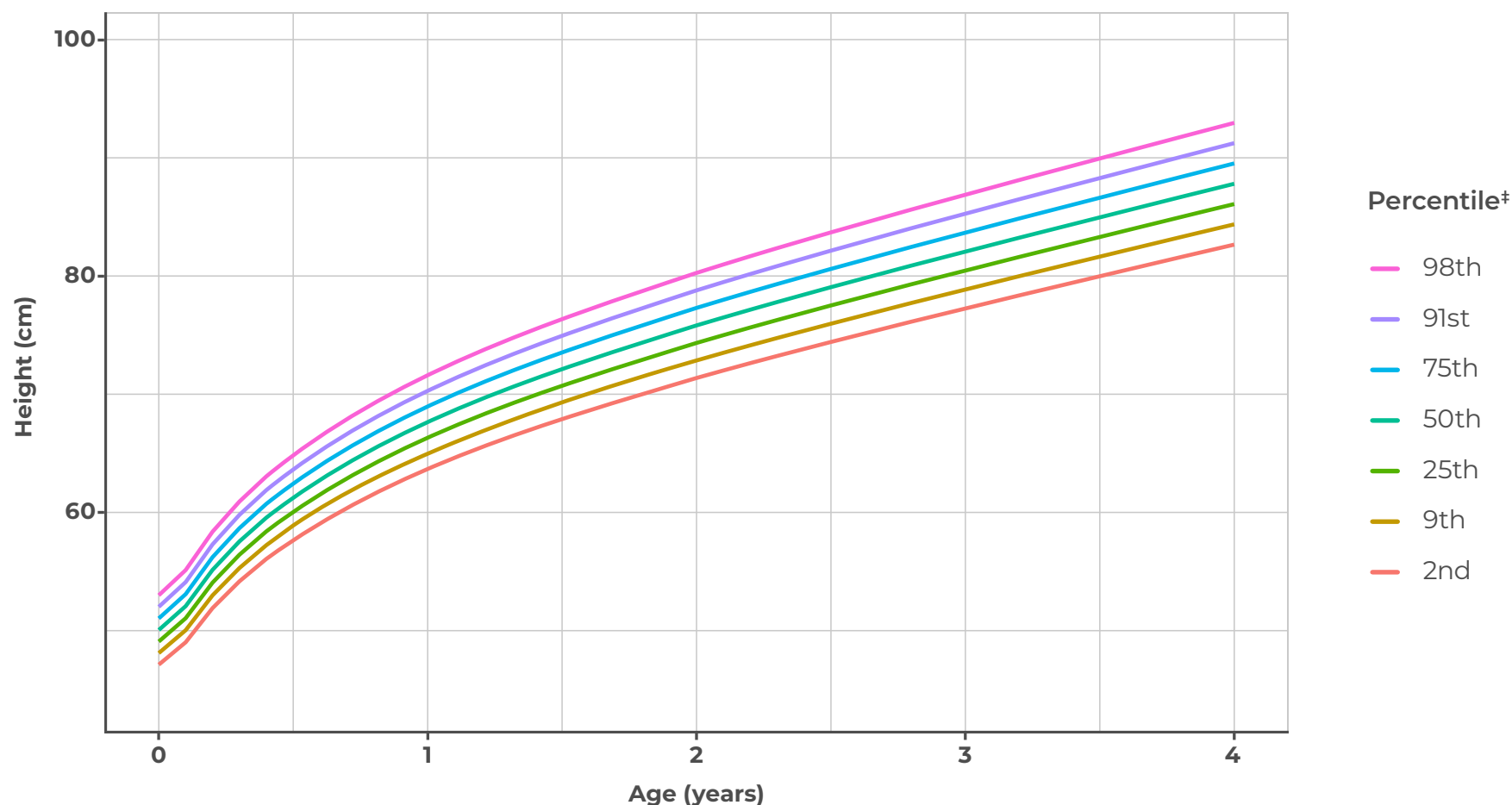
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Height for Age

Weight for Age

Head Circumference for Age

*Height for Age**
Females: Birth to 4 Years (Classical Gene Variant†)



Derived from 120 data points from 18 subjects.

*Height or length before standing.

†Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

‡Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for height, they are taller than 60% of children their age. **Ask your doctor to explain further.**

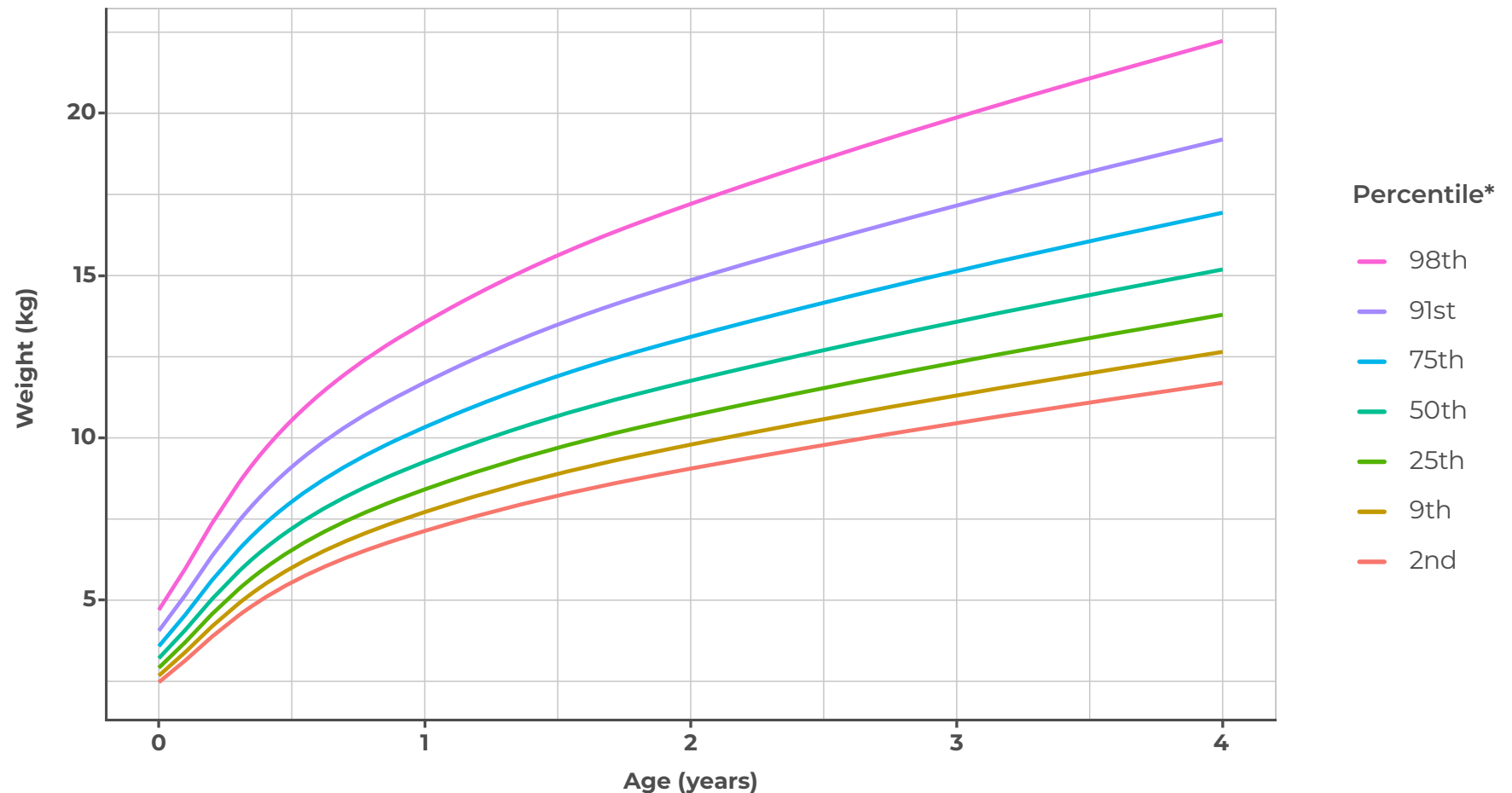
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Height for Age

Weight for Age

Head Circumference for Age

Weight for Age Males: Birth to 4 Years



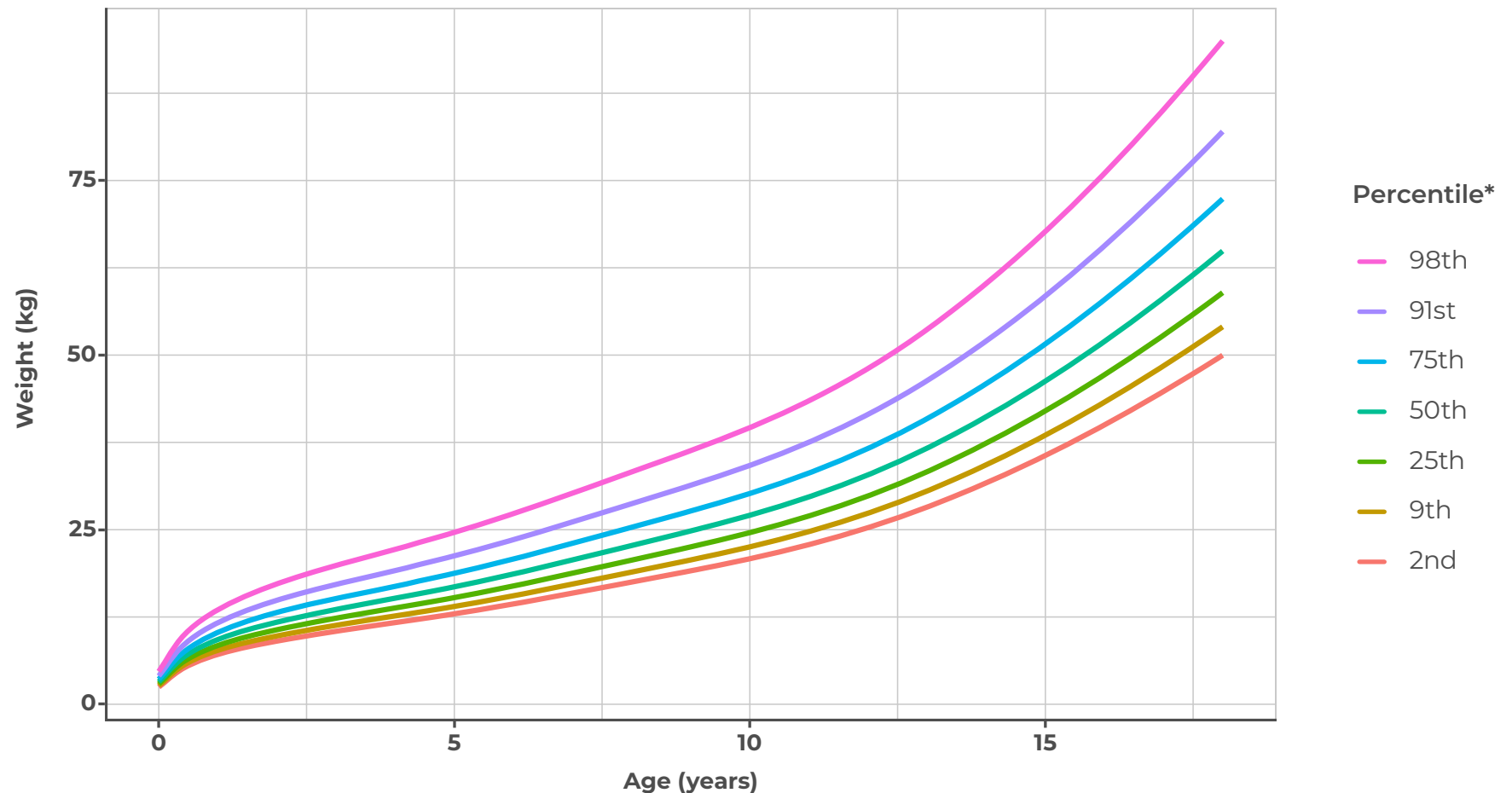
Derived from 270 data points from 42 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Weight for Age
Males: Birth to 16 Years



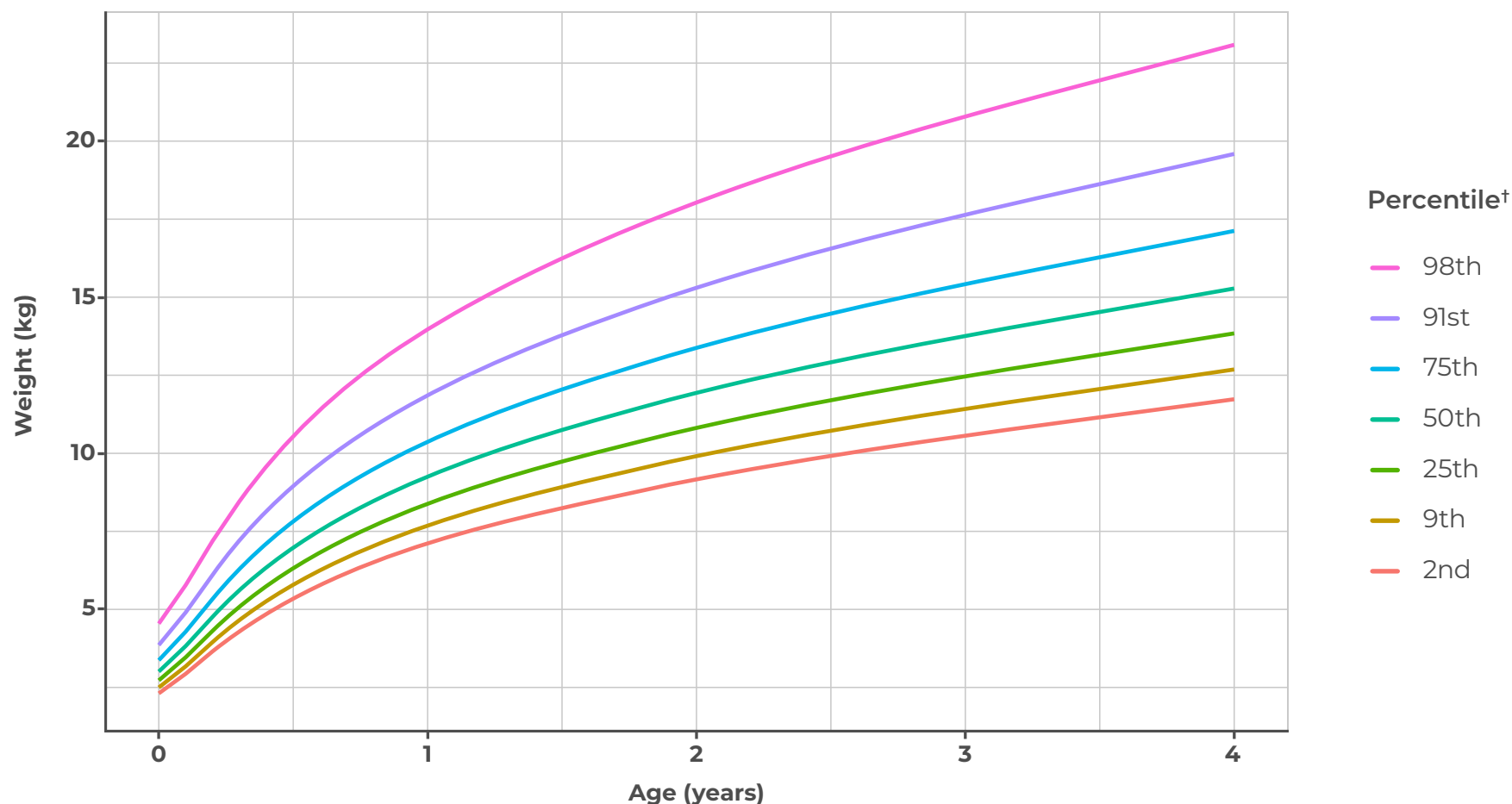
Derived from 523 data points from 109 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Weight for Age
Males: Birth to 4 Years (Classical Gene Variant*)



Derived from 151 data points from 17 subjects.

*Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

†Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for weight, they weigh more than 60% of children their age. **Ask your doctor to explain further.**

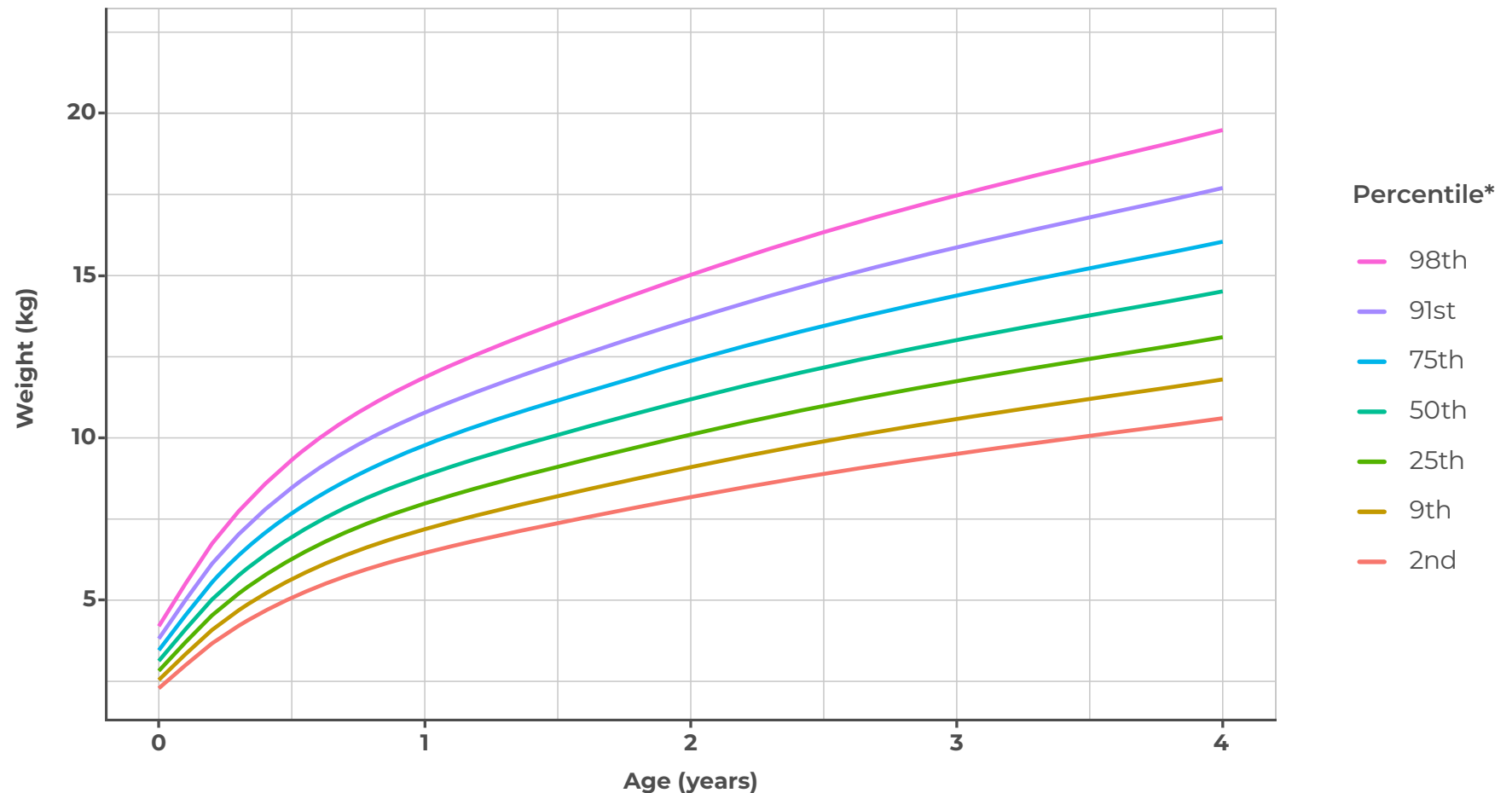
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Height for Age

Weight for Age

Head Circumference for Age

Weight for Age Females: Birth to 4 Years



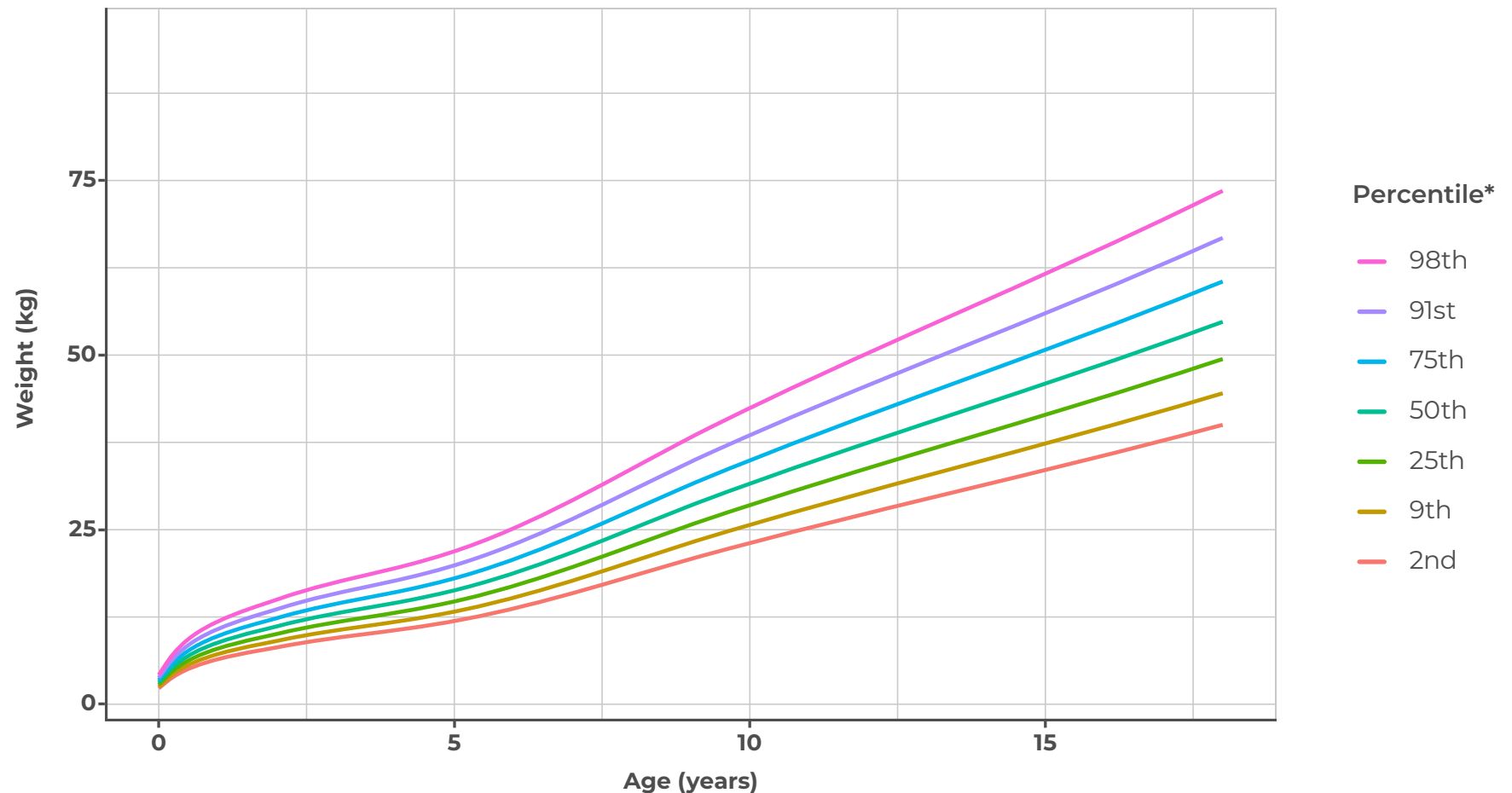
Derived from 201 data points from 43 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Weight for Age
Females: Birth to 16 Years



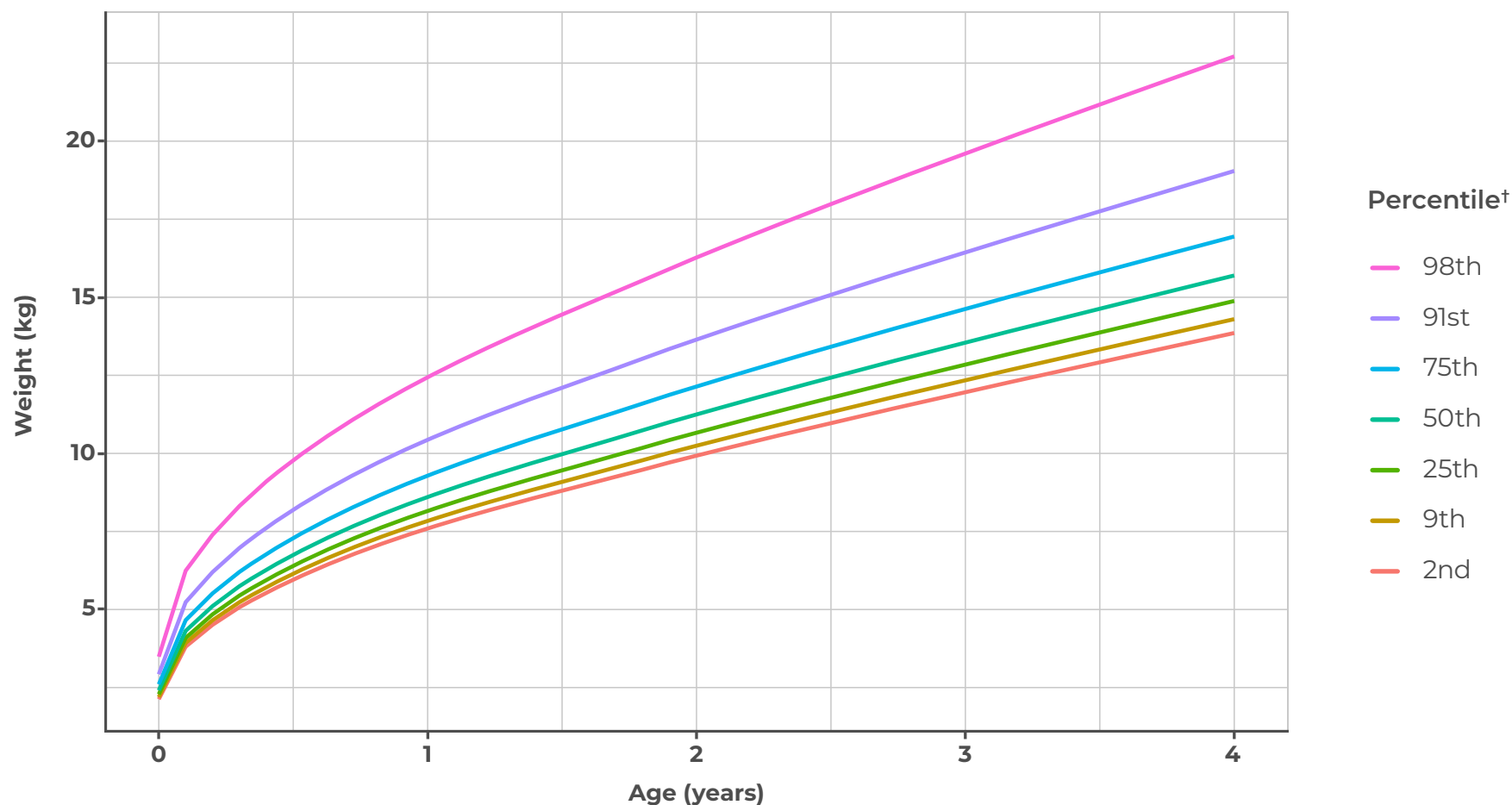
Derived from 373 data points from 79 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Weight for Age
Females: Birth to 4 Years (Classical Gene Variant*)



Derived from 122 data points from 18 subjects.

*Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

[†]Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile for weight, they weigh more than 60% of children their age. **Ask your doctor to explain further.**

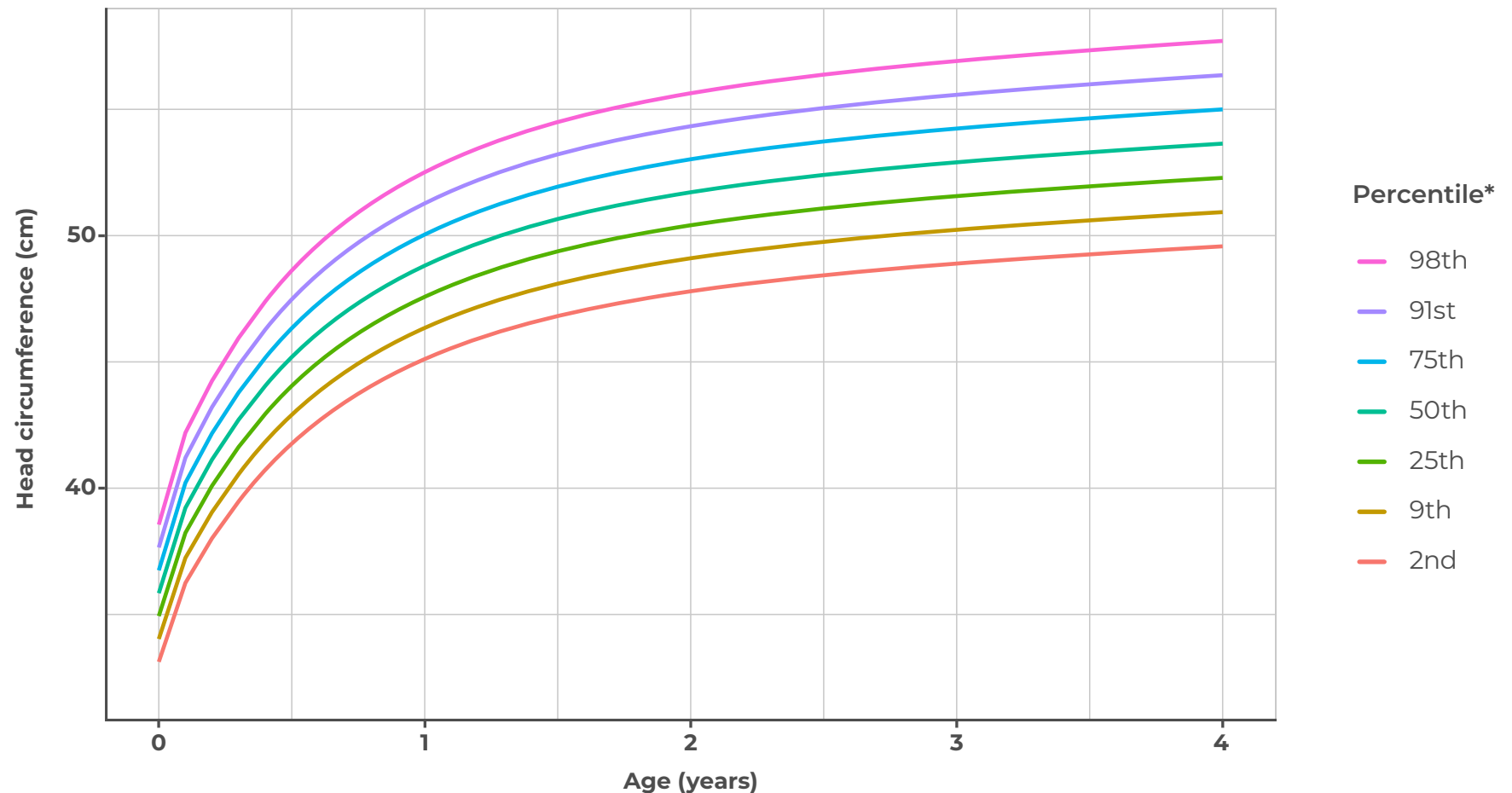
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Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Males: Birth to 4 Years



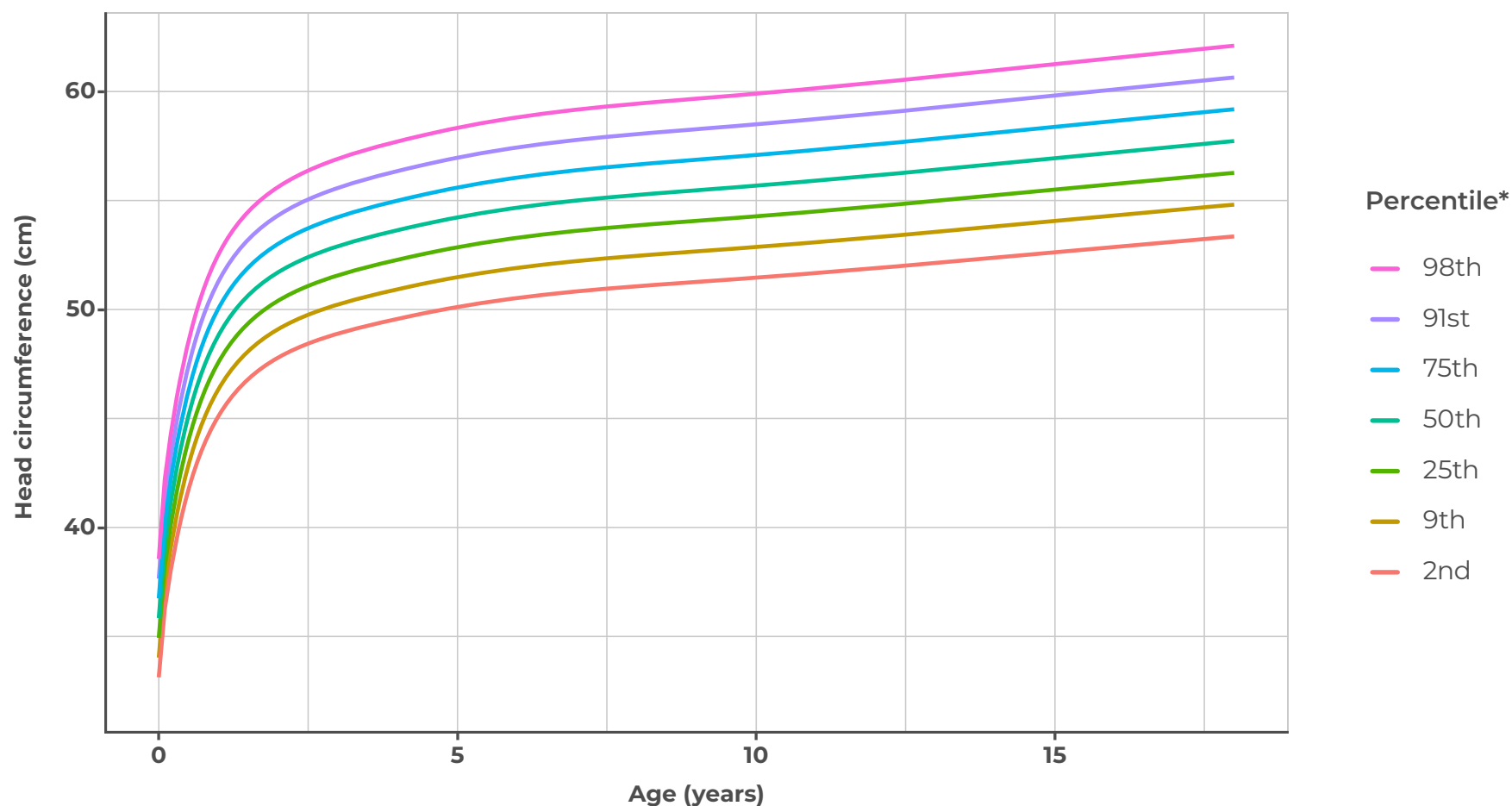
Derived from 180 data points from 42 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Males: Birth to 16 Years



Derived from 248 data points from 109 subjects.

*Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile, their head circumference is larger than 60% of children their age. **Ask your doctor to explain further.**

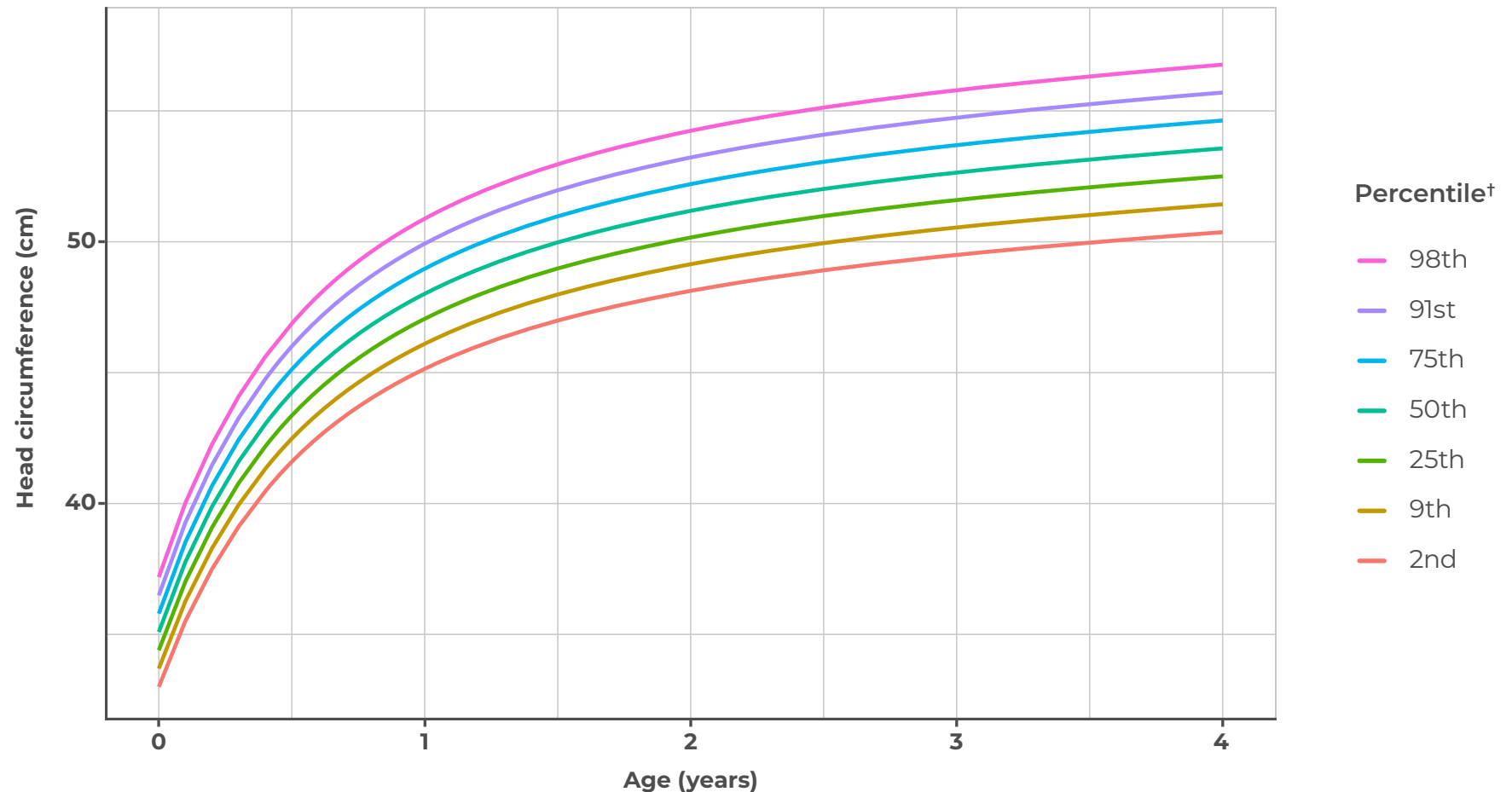
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Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Males: Birth to 4 Years (Classical Gene Variant*)



Derived from 98 data points from 17 subjects.

*Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

[†]Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile, their head circumference is larger than 60% of children their age. **Ask your doctor to explain further.**

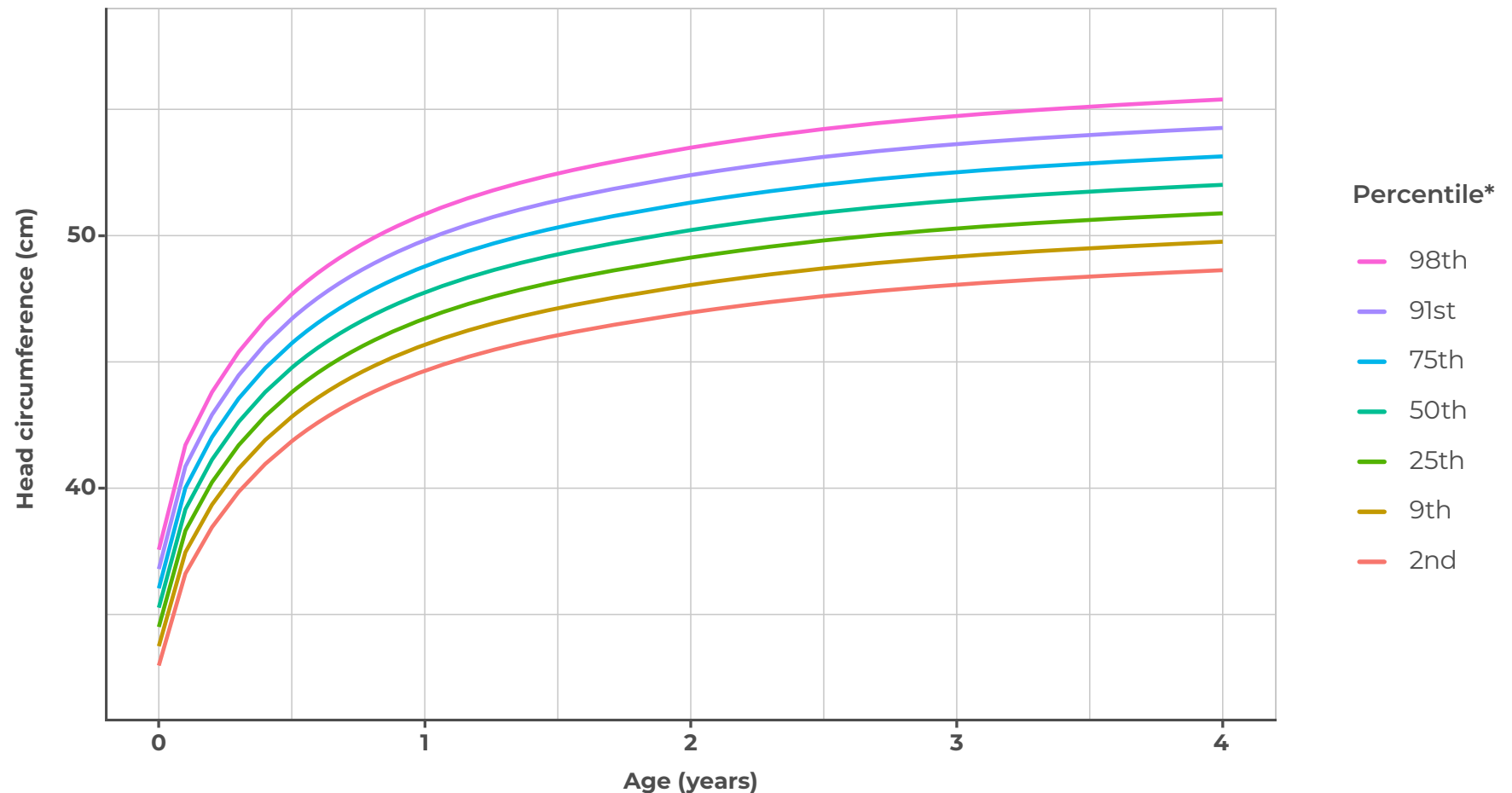
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Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Females: Birth to 4 Years



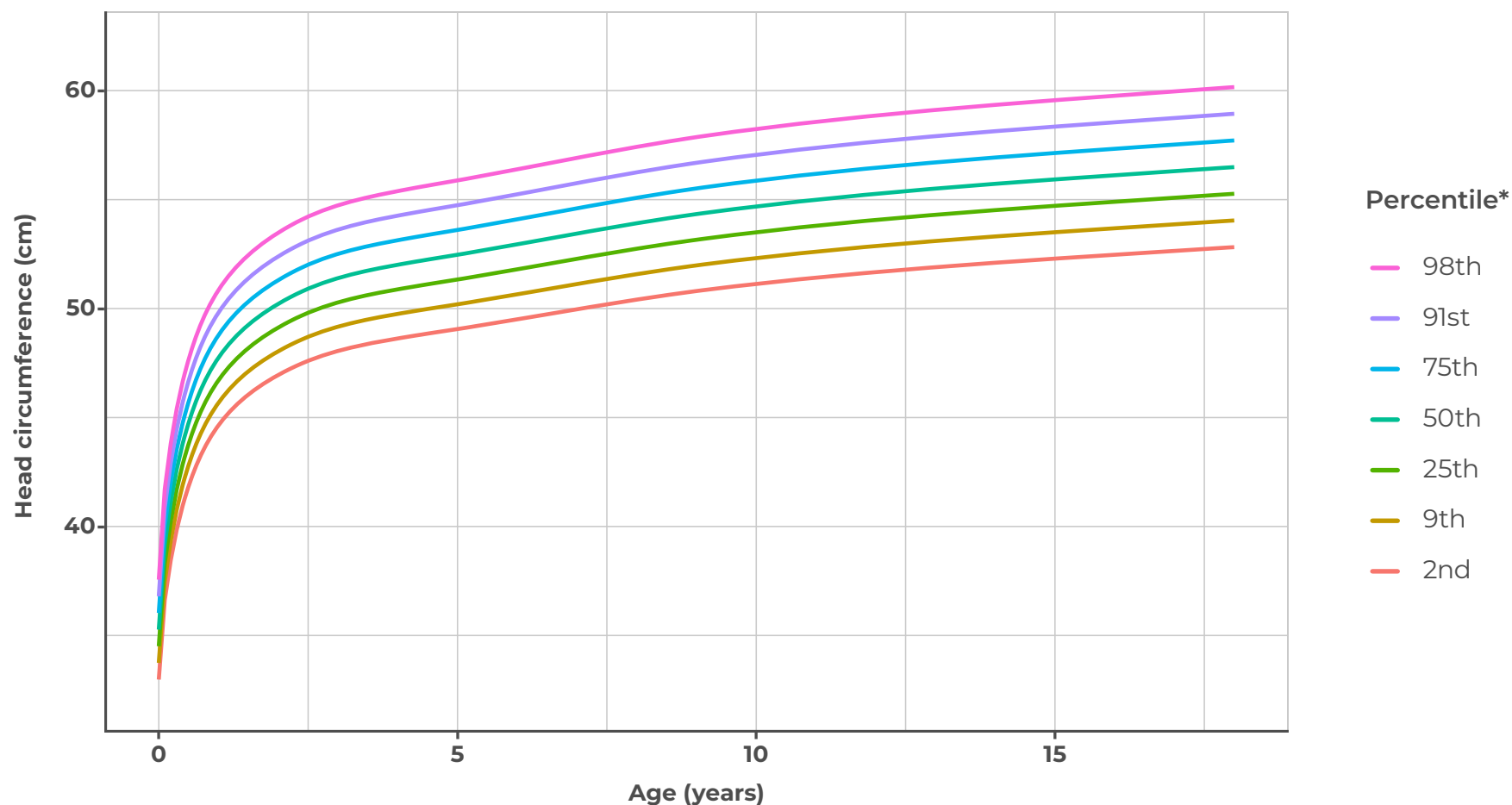
Derived from 111 data points from 43 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Females: Birth to 16 Years



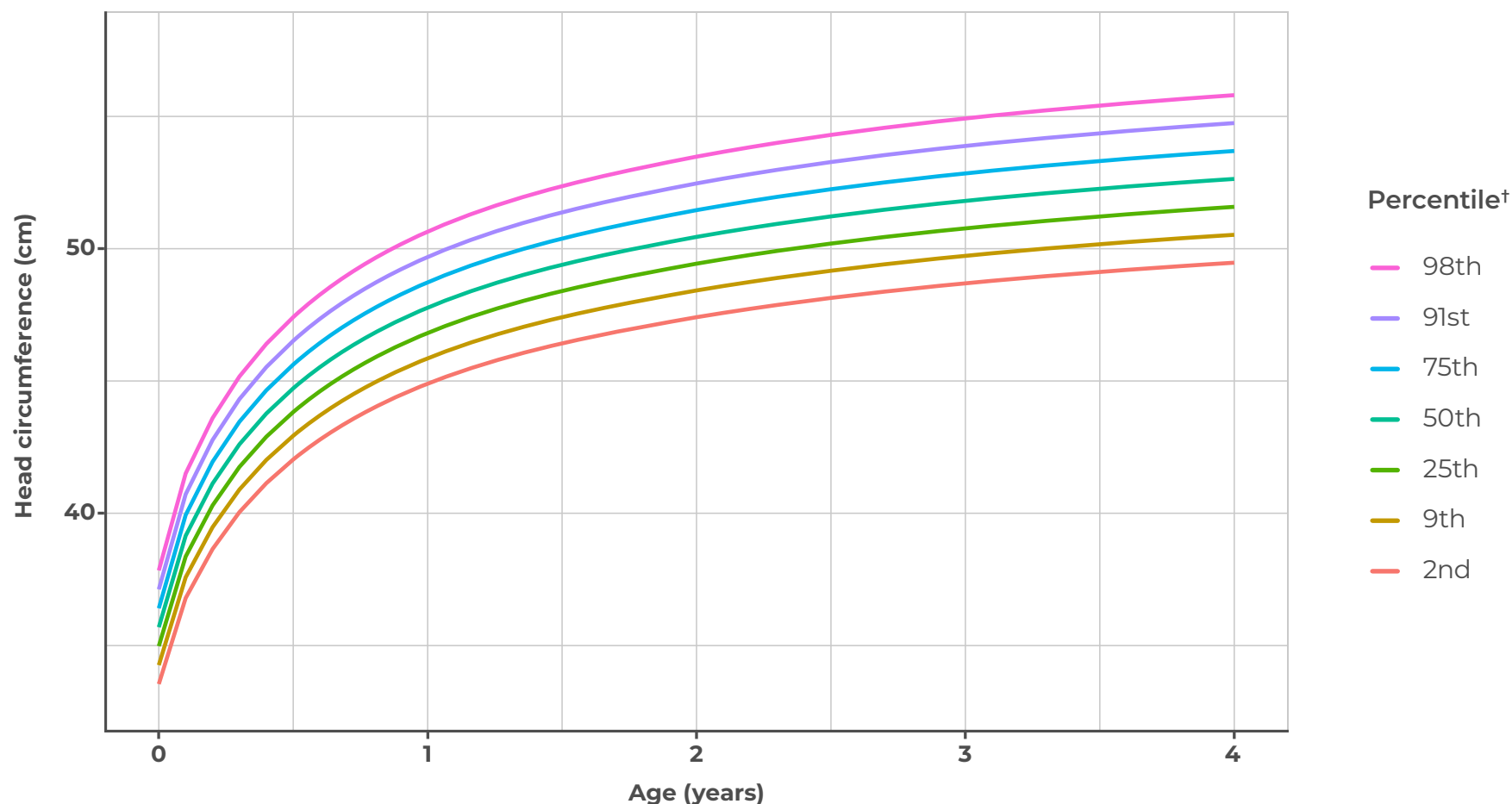
Derived from 141 data points from 79 subjects.

Height for Age

Weight for Age

Head Circumference for Age

Head Circumference for Age
Females: Birth to 4 Years (Classical Gene Variant*)



Derived from 88 data points from 18 subjects.

*Separate growth chart is provided for the subset of children with the classical hypochondroplasia-associated *FGFR3* gene variants: N540K, c.1620C>A p.(Asn540Lys), c.1620C>G p.(Asn540Lys), C>G p.(Asn540Lys).

†Percentiles show how your child compares to other children their age. For example, if your child is in the 60th percentile, their head circumference is larger than 60% of children their age. **Ask your doctor to explain further.**

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