Special Needs Growth Charts

WIC staff are encouraged to review the online module entitled “The CDC Growth Charts for Children with Special Health Care Needs.” The CDC module was revised by the University of Washington in 2009 to make it more interactive.

The online training provides information on how to take and plot segmental measurements. Alternative condition growth charts are discussed including issues and limitations of the charts. CDC recommends use of the standard CDC regular growth charts for all children. However, healthcare providers often use the condition specific growth charts such as those listed in this document as a means of comparison. [http://depts.washington.edu/growth/cshcn/text/intro.htm](http://depts.washington.edu/growth/cshcn/text/intro.htm)

General Resource:

Description: Site provides links to discussion on special growth charts for children: Preterm infants, Down syndrome, cerebral palsy, Turner syndrome, achondroplasia, Williams syndrome, Prader Willi syndrome and Noonan syndrome. This document uses a question-answer format and lists published information on the charts.

Achondroplasia

Growth Chart:
Little People of America (LPA). LPA is a nonprofit organization that provides support and information to people of short stature and their families. Look for medical information and growth charts. Internet retrieved August 15, 2009.
[http://web.memberclicks.com/mc/page.do?sitePageId=73541&orgId=lpamrs](http://web.memberclicks.com/mc/page.do?sitePageId=73541&orgId=lpamrs)

Description: Lists growth charts by sex, height, weight, head circumference, weight for height and by special condition of achondroplasia

References:
[www.biostat.jhsph.edu/~jmcgread/weight_for_age_achon.pdf](http://www.biostat.jhsph.edu/~jmcgread/weight_for_age_achon.pdf)


Description: Standard curves to assess normal growth in individuals with achondroplasia, to aid in the determination of superimposed disorders, and to assess any growth accelerating therapy.
**Cerebral Palsy-Quadriplegic**

**Growth Charts:**
The "Life Expectancy" website below provides charts for height, weight, and BMI for boys and girls with cerebral palsy, stratified by GMFCS, with level 5 additionally divided into those requiring a feeding tube (TF) and those not (NT)

www.lifeexpectancy.org/articles/NewGrowthCharts.shtml

Obtained from internet 3/30/16

**Reference:**

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**Brachmann-de Lange Syndrome**

**Growth Charts:** See Cornelia de Lange Syndrome.

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**Cornelia de Lange Syndrome**

**Growth Charts:**

- Height for Males, birth to 36 months
- Height for Females, birth to 36 months
- Weight for Males, birth to 36 months
- Weight for Females, birth to 36 months
- Height for Males, 2 to 18 years
- Height for Females, 2 to 18 years
- Weight for Males, 2 to 18 years
- Weight for Females, 2 to 18 years
- Head circumference for Males, birth to 18 years
- Head circumference for Females, birth to 18 years

**Reference:**
Cornelia de Lange Syndrome Foundation [homepage on the Internet is listed under CdLS-USA Foundation, Inc.] Internet retrieved August 14, 2009. [www.cdlsusa.org](http://www.cdlsusa.org)

**Description:** Official website of the Cd-LS USA Foundation that contains research, information and resources, as well as information about the foundation.

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**Down Syndrome**

**Growth Charts:**

**Description:** Growth charts for children with Down syndrome, including interpretation instructions and methods for using the chart.
Description: Centile charts for assessment of stature and weight for two age intervals, 1 to 36 months and 2 to 18 years reflecting expected deficient size and growth rate of home-reared children with Down syndrome, based on 4650 observations on 730 children.


Description: Growth charts for Down’s syndrome from birth to 18 years of age

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**Marfan Syndrome**

Growth Charts:

Description: Growth charts for persons with Marfan syndrome

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**Prader-Willi Syndrome**

Growth Charts:

Description: Growth charts for Prader-Willi syndrome


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**Premature Infants**

Growth Charts:

Description: Internet site contains growth charts and developmental information.
Rubinstein-Taybi Syndrome

Growth Charts:
Description: Height and weight charts for children with Rubinstein-Taybi Syndrome

Description: Growth in the Rubenstein-Taybi Syndrome

Turner Syndrome

Growth Charts:
Description: Article describes genetic, clinical characteristics and growth chart.

KidsGrowth.Com http://www.kidsgrowth.com/resources/articledetail.cfm?id=304
Description: Site contains growth charts and developmental information.

References:
Description: Good description of Turner Syndrome and links to additional references

Description: Official website of the Turner Syndrome Society

Williams Syndrome

Growth Charts:
Description: Official site of the Williams Syndrome Association, containing the latest information on Williams Syndrome

Reference:

**Description:** Investigation of the history of the Williams syndrome, including medical complications, growth patterns, and problems in adulthood.