

# GrowthXP

## Rare Disease Module

### An extensive collection of digitised growth charts for rare diseases

During 20 years of development of GrowthXP, PC PAL has been actively collecting growth references as part of their commitment to providing the richest library of digital growth charting options. Currently, with GrowthXP all users have access to charts to track the growth of children with Turner and Down syndromes.

However, during recent decades, published childhood growth references for many diseases have accumulated, theoretically providing a rich resource to paediatric specialists. However, such charts exist only in paper form in the original publication, and in a variety of sizes, formats, and graphical presentations restricting access for routine clinical practice.

At the same time, healthcare systems are demanding growth charts in digital format and integrated with the electronic health records.

### Unrivalled charts library with GrowthXP

Using the latest digitisation technology, PC PAL has rendered published growth curves for over 50 syndromes and diseases into a consistent digital format.

The new GrowthXP Rare Disease Module allows users to follow growth of patients with significantly more growth disorders using one digital system, and benefit from all the advanced functionality within GrowthXP.

With this module, paediatric specialists can chart the growth of a patient with one of over 50 different rare conditions and in total generate over 500 digital charts. Among the standards included are those for Noonan, Prader-Willi, Achondroplasia, Silver Russel, Alagille, Bloom, Cartilage hair, Di George, Duchenne Muscular Dystrophy, Ellis van Creveld, Kabuki, Neurofibromatosis type I, Rett, Rubinstein Taybi and SHOX haplo insufficiency.

For these rare conditions, references can be selected for height, weight, bmi and other parameters. For example, users have access to Turner height standards for Argentina, Austria, Belgium, Chile, China, Denmark, Germany, Egypt, France, Israel, Italy, Japan, Netherlands, Sweden, Switzerland and UK.



*“The American Academy of Pediatrics has recommended that EHR systems incorporate syndrome-specific growth charts where feasible.”*

American Journal of Medical Genetics

# Digital rare disease charts significantly benefit patient care

## Accurately tracking the growth of a child with a specific disease on the appropriate chart can:

- ✓ Provide parents with a growth chart based on references for their child's rare condition
- ✓ Highlight deviation from the growth curve not explained by the underlying condition
- ✓ Support treatment decisions and authorization
- ✓ Monitor treatment or other intervention effects

*The GrowthXP Rare Disease Module is available as an add-on for GrowthXP Web, Pro and ProViewer. Contact us to obtain a quote.*

### Achondroplasia

The GrowthXP Rare Disease Module includes clinical achondroplasia growth charts co-developed by Karolinska Institute and PC PAL.

Based on a large number of Swedish, German and Danish children, they were specially designed to provide granularity in the extreme short stature range where population growth curves do not provide any information for these patients.

These charts, all included in the new GrowthXP module, also provide BMI and head circumference references that clearly shows the deviation from the background population.

[www.achondroplasia-growthcharts.com](http://www.achondroplasia-growthcharts.com)

**PC PAL**   
EXCELLENCE IN SOFTWARE DESIGN



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