Program	Version	Country/Special	Doc ver	Written by	Date
Growth Chart Component	2.0	BE	3	Xue Shen	2019-01-16
Specification					Page
List of functions included in the Growth Chart Component					1/3

Purpose

This document lists all the functionalities included in the Growth Chart Component BE 2.0.

GROWTH CHARTS INCLUDED
(All charts have one layout for boys and one for girls)

Group: BE 2004 (Flanders)
Head, length, weight 0-1 yrs
Head, length, weight 1-5 yrs
Height, weight, puberty 2-20 yrs
BMI, height velocity 2-20 yrs

Group WHO:
Length 0-6 months
Length 6 months-2 yrs
Head 0-13 weeks
Head 0-2 yrs
Head 0-5 yrs
BMI 0-2 yrs
BMI 2-5 yrs
BMI 0-5 yrs
Length 0-2 yrs
Height 2-5 yrs
Height 0-25 yrs
Weight 0-6 months
Weight 6 months-2 yrs
Weight 0-2 yrs
Weight 2-5 yrs
Weight 0-5 yrs
Weight for height 0-2 yrs
Weight for height 2-5 yrs
Weight for height 0-5 yrs

Group Measurement:
Height
Weight
Head circ.
Sitting height
Arm span
Foot length
Waistline

Group SDS:
Height SDS, BMI SDS
Height SDS, Relative Sitting Height SDS
BMI SDS, Waistline SDS
Height SDS, Height Velocity SDS

PC PAL ▮▮▮

Group Calculated:
Leg length
Height velocity
Sitting height velocity
Leg length velocity
Relative sitting height
BMI
BMI (IOTF)

Group Turner syndrome (for girls only):
Length, weight 0-1 yrs
Length, weight 1-5 yrs
Height, weight, puberty 2-20 yrs
BMI, height velocity 2-20 yrs

Group Down syndrome:
Head, length, weight 0-1 yrs
Head, length, weight 1-5 yrs
Height, weight, puberty 2-20 yrs
BMI 2-20 yrs

Group Other syndromes:
Prader-Willi Height, weight 2-20 yrs
Prader-Willi BMI 2-20 yrs
Chronic Renal Insufficiency Height, weight 2-20 yrs (0-10 yrs)
Chronic Renal Insufficiency BMI 2-20 yrs (0-10 yrs)
Noonan Height, weight 2-20 yrs
Williams Height, weight 2-20 yrs
Silver-Russel Height, weight 2-20 yrs

Group Lists:
Visit list
Visit list (SDS)
Visit list (Perc)
Visit list, corrected age (SDS)
Visit list, corrected age (Perc)

Group Premature:
Premature 22-42 weeks
Premature 22-52 weeks

CHART FEATURES
Features available may differ depending upon the type of implementation. This is due to the constraints of each environment: Win32, web server or the GrowthXP web server. Functionality restricted is primarily related to interactivity with the chart or technical restrictions.

All charts and reports are printable.

Entire page listings will automatically overflow to generate more pages if data exceeds the number of lines in the data table on the page.

Copy chart to clipboard (Win32 version only), allows you to paste the chart image into another Windows application such as Word, PowerPoint etc.

2

PC PAL
BP 2   Harpsundsvägen 78 BV   www.pcpal.eu
FR-91570 Bièvres Cedex   SE-124 58 Bandhagen   www.GrowthXP.com
France   Sweden   www.PedigreeXP.com
                                                                   www.GrowthCharts.info
                                                                   www.Auxology.com

Zoom capabilities:
Page width, zoom to
Page height, zoom to
Free form zoom (Win32 and PC PAL web client only)
Navigation window (Win32)
Chart magnifier (Win32)
Coordinates and hair cross (Win32)

Display settings: *(available on applicable charts and reports)*
Plot Today line
Draw line between measurements
Make chart anonymous
Hide patient data
Show corrected age curve for premature children (GA <37 weeks)
Show bone age
Show pubertal section
Plot target height and parental heights
Show visits in descending order (in data tables)
Show shadow reference (on syndrome charts)
Switch age range 1 year "window" / 20 year "window" (charts will automatically adjust above 20 years in steps of 5 years)
Switch reference type (percentile/SD)

Save as:
PDF
JPEG
GIF
PNG
BMP
EMF

Graphics options

Display formats: date formats and numerical display formats are automatic and/or configurable.

VARIABLES

Variables - once per patient:
Local ID
Birth date
Gender
First name
Surname
Gestational age, completed weeks
Gestational age, additional days
Birth weight
Birth length
Birth head circumference
Mother's height
Mother's weight
Mother's head circumference
Father's height
Father's weight
Father's head circumference
Menarche date

Variables - once per visit:
Visit date
Height
Weight
Head circumference
Pubic hair (Tanner stage 1-5)
Breast (girls) or genital stage (boys) (Tanner stage 1-5)
Testicular volume left and right (for boys only)
Evaluation method (self estimate or observed)
Bone age in graph
Bone age method in chart (label)
Notes/comments
Menarche (for girls only)
Sitting height
Arm span
Waist line

CALCULATIONS

Relation to statistical dispersion (per variable):
Percentile
Standard deviation score (z-score)

Basic:
BMI
Leg length
Relative sitting height

Age:
Chronological age
Gestational corrected age

Target height

Velocity:
Height velocity
Leg length velocity
Sitting height velocity