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|--|---------|-----------------|---------|------------|------------|
| Program  | Version | Country/Special | Doc ver | Written by | Date       |
| Growth Chart Component                                   | 1.0     | UK              | 2       | Xue Shen   | 2013-04-18 |
| 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 UK 1.0.

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| <p><b>GROWTH CHARTS INCLUDED</b><br/>(All charts have one layout for boys and one for girls)</p>   |
| <p>Group UK 2-18 yrs:<br/>Height Weight 2-18 yrs<br/>Height Weight 8-18 yrs<br/>Height 4-20 yrs<br/>Weight 4-20 yrs<br/>BMI 0-20 yrs</p>                                     |
| <p>Group 0-4 yrs:<br/>Heac circ. Length Weight 0-1 yr<br/>Heac circ. Length Weight 1-4 yrs</p>   |
| <p>Group PCHR:<br/>Weight Head circ. 32-42 weeks<br/>Weight 0-1 yr<br/>Weight 1-4 yrs<br/>Length 0-2 yrs<br/>Height 2-4 yrs<br/>Head circ. 0-2 yrs</p>                       |
| <p>Group NICM:<br/>Length Weight Head circ. 23-42 weeks<br/>Length Weight Head circ. 2 weeks - 6 months<br/>Length Weight Head circ. 6 months - 2 years</p>                  |
| <p>Group Measurement:<br/>Height<br/>Weight<br/>Head circ.<br/>Sitting height<br/>Arm span<br/>Foot length<br/>Waist circ.</p>   |
| <p>Group Calculated:<br/>Leg length<br/>Height velocity<br/>Sitting height velocity<br/>Leg length velocity<br/>Rel. sitting height<br/>BMI<br/>BMI (IOTF)</p>               |
| <p>Group Turner syndrome (for girls only):<br/>Length Weight Head circ. 0-1 yr<br/>Height Weight Head circ. 1-4 yrs<br/>Height Weight 2-8 yrs<br/>Height Weight 8-18 yrs</p> |

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| <p>Group Down syndrome:<br/>                 Length Weight Head circ. 0-1 yr<br/>                 Height Weight Head circ. 1-4 yrs<br/>                 Height Weight 2-8 yrs<br/>                 Height Weight 8-18 yrs</p>  |
| <p>Group Lists:<br/>                 Visit list<br/>                 Visit list (SDS)<br/>                 Visit list (Perc)</p>   |
| <p><b>CHART FEATURES</b></p>   |
| <p>All charts are printable</p>  |
| <p>Entire page listings will automatically overflow to generate more pages if data do not fit the desired page</p>   |
| <p>Copy chart to clipboard: to paste the chart image into another application such as Word, Power Point etc.</p>   |
| <p><b>Display setting:</b><br/>                 Plot Today line<br/>                 Draw line between measurements<br/>                 Make chart anonymous<br/>                 Hide patient data<br/>                 Show corrected age curve for premature children (GA &lt;37 weeks)<br/>                 Show bone age<br/>                 Show pubertal section<br/>                 Plot target height and parental heights<br/>                 Show visits in descending order<br/>                 Show shadow reference<br/>                 Switch age range 0-1yr / 0-20 yrs<br/>                 Switch reference type (percentile/SD)</p> |
| <p><b>Zoom capabilities:</b><br/>                 Page width<br/>                 Page height<br/>                 Free form<br/>                 Navigation<br/>                 Magnifier<br/>                 Coordinates</p>   |
| <p><b>Save as:</b><br/>                 PDF<br/>                 JPEG<br/>                 GIF<br/>                 PNG<br/>                 BMP<br/>                 EMF</p>  |
| <p>Graphics options</p>  |
| <p>Display formats</p>   |
| <p><b>VARIABLES</b></p>  |

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| <p><b>Variables entered once per patient:</b></p> <p>Local ID<br/>         Birth date<br/>         Gender<br/>         First name<br/>         Surname<br/>         Gestational age, completed weeks<br/>         Gestational age, additional days<br/>         Birth weight<br/>         Birth length<br/>         Birth head circumference<br/>         Mother's height<br/>         Mother's weight<br/>         Mother's head circumference<br/>         Father's height<br/>         Father's weight<br/>         Father's head circumference<br/>         Menarche date</p>  |
| <p><b>Variables entered once per visit:</b></p> <p>Visit date<br/>         Height<br/>         Weight<br/>         Head circumference<br/>         Pubic hair (stage 1-5 according to Tanner)<br/>         Breast (girls) or genital stage (boys) (stage 1-5 according to Tanner)<br/>         Testicular volume left and right (for boys only)<br/>         Evaluation method (self estimate or observed)<br/>         Bone age in graph<br/>         Bone age method in graph<br/>         Additional comments<br/>         Menarche (for girls only)<br/>         Sitting height<br/>         Arm span<br/>         Foot length<br/>         Waist line</p> |
| <p><b>CALCULATIONS</b></p>   |
| <p><b>Relation to statistical dispersion:</b></p> <p>Percentile<br/>         Standard deviation score</p>  |
| <p><b>Basic:</b></p> <p>BMI<br/>         Leg length<br/>         Relative sitting height</p>   |
| <p><b>Age:</b></p> <p>Chronological age<br/>         Gestational corrected age</p>   |
| <p><b>Target height</b></p>  |
| <p><b>Velocity:</b></p> <p>Height velocity<br/>         Leg length velocity<br/>         Sitting height velocity</p>   |