**Working with Growth Charts**

PowerChart can be used to record the measurements required to plot the growth of children. The Growth Chart allows **height**, **weight**, and **head circumference** data to be recorded and plotted. If height and weight values are entered, the child’s BMI and BSA values will be automatically calculated, and BMI will plot to the chart. The mother’s and father’s height can be documented, and the **mid-parental height** can be calculated and plotted to the growth chart. The patient’s **bone age** can be entered, and will plot to the growth chart. **Annotations** can also be made to the chart. **Growth velocity** can also be calculated.

The measurements entered on the Growth Chart can also be viewed on the **Results Flowsheet**.

**Viewing Growth Charts**

- Click on the **Growth Charts** item from the patient’s chart menu.

![Growth Charts menu]

*The grid displayed is based on the child’s age and gender. The Stature-for-age and Weight-for-age charts will display by default.*

**Changing the chart type**

- Click on the chart that you want to replace. The chart will be highlighted:
- Select the new chart that you would like to view from the list of charts in the left pane:
- The new chart will display in the highlighted window.

**Information:**

The default PowerChart Growth Charts are based on international measurement standards from the Centre for Disease Control (CDC). To access reference growth charts based on **Australian standards**, click on the **Launch Web Browser** button on the Patient Chart toolbar and select **PowerChart Resources**. Growth chart reference information can be found on this intranet page.
### Viewing Data Points

The data plotted on the chart is called a data point. To view information about an individual data point:

- Click on the data point.
- The **Paediatric Data Point** message box will display the Age, Result date and time, Measurement, the exact centile and the z-score.
- Click **OK** to exit.

**Tip:** You can zoom in on a range of points by clicking on the growth chart, holding down the left button and moving the mouse to the right. When you release the left button the chart will adjust to focus on the range selected. To reset the range, hold down the left button and drag the mouse to the left. Releasing the button will reset the range.

### Viewing Measurements in a Tabular Format

Growth chart measurements can also be viewed in a tabular format. To view measurements in a table:

- Click on the **Table** button:

The growth chart measurements for the selected chart will then display in a table. The table displays the measurements in chronological order, and also displays the exact centile and z-score corresponding with the value.

**Tip:** The **Plot** column allows you to control the values that are plotted to the growth chart. Only items that have the **Plot** box checked will display on the chart. Uncheck items to remove the item from the chart, and click on the **Chart** button to view the amended growth chart. By default, all measurements will plot to the growth chart.
**Viewing Outlier Data Points**

Occasionally growth chart measurements will fall outside the range displayed on the growth charts. When an entered value is higher or lower than the displayed values, an indicator will plot to the chart to inform you that the recorded measurement is off the displayed chart area.

![Growth Chart Image]

**Information:** Clicking on the **Value off Chart** indicator displays the recorded measurement.

**Entering New Measurements**

- Click on the **Enter New** drop-down box, and select the new item that you wish to enter:

  ![Growth Chart Drop-down Box]

- Select the **Measurement** option and the **Paediatric Growth** form is displayed.

  ![Paediatric Growth Form]

For further information or training call the IT Service Desk on 50333
A complete list of CHW Quickstarts are available on [http://elearning.kids/documentation](http://elearning.kids/documentation)
• Enter the date and time that the measurements were collected in the **Performed On** field; and enter the **Height** (cms), **Weight** (kgs) and/or **Head Circumference** (cms). When height and weight data is entered, BMI and BSA values are automatically calculated, and BMI is plotted to the BMI-for-age chart for patients greater than 2 years of age.

• Click on the **Weight Management** bar to capture weight management information for the Weight Management Team. Measurements of **waist circumference at umbilicus**, **humerus length** and **upper arm circumference** can be entered.

• To exit and save the form, click on the **Sign Form** button.

• The data point can now be viewed on the growth chart and values seen in the Results Flowsheet.

<table>
<thead>
<tr>
<th>Growth Chart</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>25.300</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>24.900</td>
</tr>
<tr>
<td><strong>BSA</strong></td>
<td>24.000</td>
</tr>
</tbody>
</table>

**Information:** The same principles should be followed to enter **Bone Age**, **Annotations** and **Mid Parental Height** information. For more detailed information, please refer to the specific Quickstarts.

**Editing Growth Chart Data**

Once entered, growth chart data can be edited or deleted. To edit growth chart data:

• Click on the data point you wish to edit.

• The **Paediatric Data Point** message box will display. Click on the **Edit** button.

• The **Paediatric Growth** form will display:

• Edit the measurement(s), and click on the **Sign Form** button to save the changes.

**Deleting Growth Chart Data Entered in Error**

Data should only be deleted, or “uncharted”, when the information is recorded on the wrong patient record.

• Click on the **Form Browser** item from the patient’s chart menu

• Select the form to be deleted (“uncharted”):

• Right-click to display the menu options:

• Select the **Unchart** (delete) option.

A window with a **Comment** box will display. Enter a reason for deleting this form, and click on the **Sign Form** button. Clicking on the Sign Form button will remove the data point from the Growth Chart, and update the values on the Results tab to display as “**In Error**.”