

Growth Chart

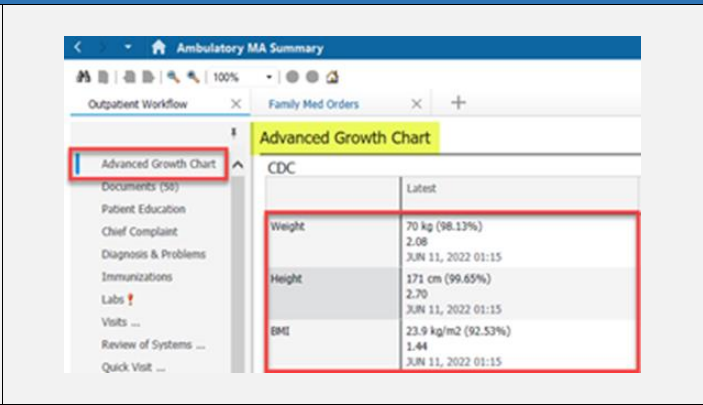
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Growth Chart Component

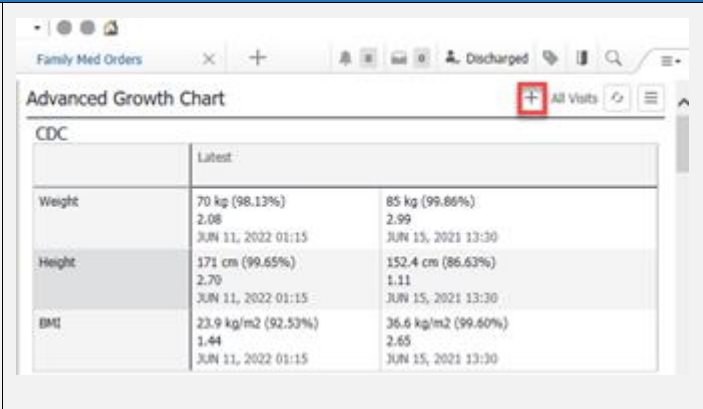
View the Growth Chart Data on the Workflow Page

- To view a patient's growth chart data on the Workflow page, select **Growth Chart** on the Navigation Pane.
 - Note:** The component may display as the *Advanced Growth Chart* depending on their position.
 - Note:** The Growth Chart header hyperlink can be used to display the Growth Chart Mpage.

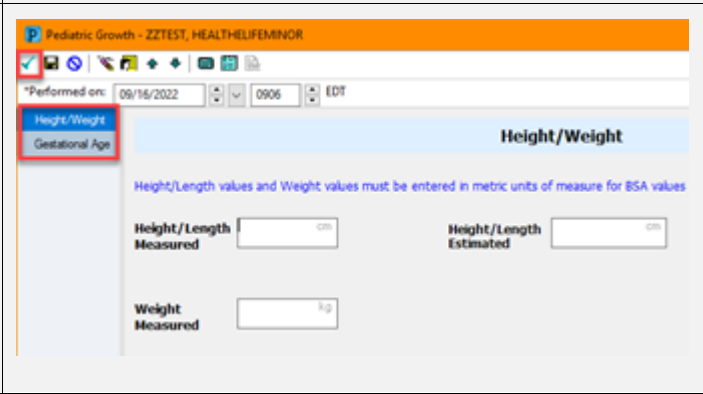


Add New Values

- To add a new value to the Growth Chart component, click the **+** icon.

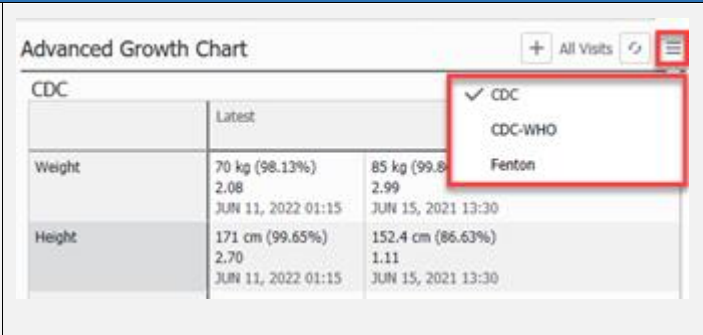


- Select the appropriate tab on the left to enter the desired values.
 - Height/Weight:** to enter measurements.
 - Gestational Age:** to enter the patient's gestational age at birth.
 - Click the green **Sign Form** checkmark icon when done.



Change Growth Chart Display

- To change the Growth Chart that displays within the component, select the **Ellipsis** icon.
 - Choose** the desired Growth Chart.



Growth Chart Mpage

View the Growth Chart MPage

To view a patient's growth chart, select the **Growth Chart** tab from the **Menu Bar**. The appropriate growth charts will display based on the patient's gender and age. Within the growth chart there are three components to the left.

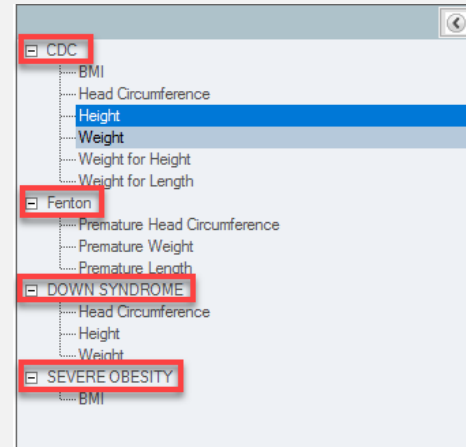
- **Note:** This page can also be accessed by selecting the Growth Chart component header link on the Workflow page.

1) **CDD Growth Chart** – Displays standard data values, such as BMI, Head Circumference, Height, Weight, Weight for Height, and Weight for Length.

2) **Fenton Growth Chart** – Displays premature data values, including Premature Head Circumference, Premature Weight, and Premature Height.

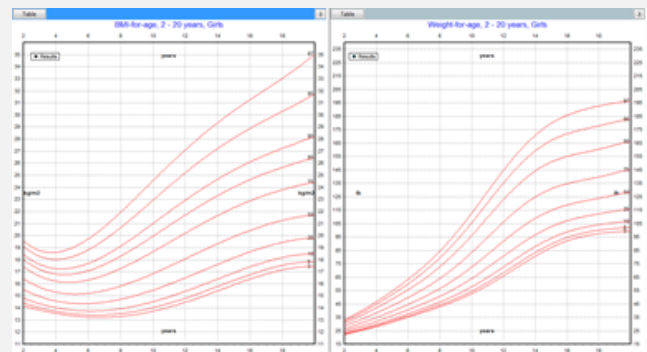
3) **Down Syndrome Growth Chart** – Displays Down Syndrome values, including Head Circumference, Height, and Weight.

4) **Severe Obesity** – Displays BMI values in severely obese patients based on their gender and age.



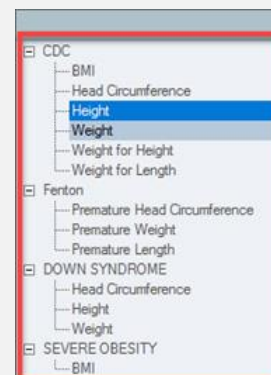
5) By default, there will be two graphs on the screen. To see results on one of the graphs:

- Select** one of the two graphs. The bar on the top of the graph will change from gray to blue, meaning the chosen graph is active.

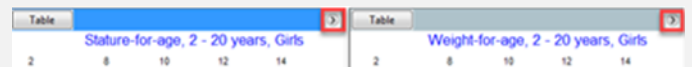


- Choose** a data value to display on the graph from the listed components.

- **Important Note:** Graphs will display according to the patient's results and percentiles. The data will indicate where the patient is at on the chart.

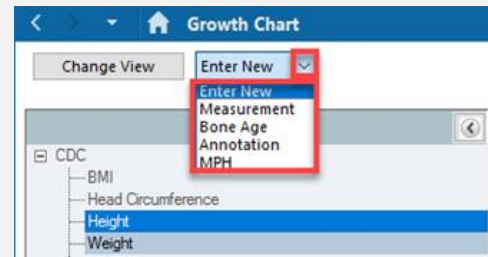


6) To see one graph in full view, click the **right facing arrow** next to the opposite graph to eliminate it.



Add a New Data Value

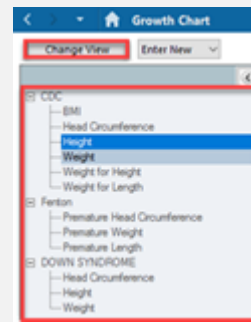
- 1) To add a new data value, select the **Enter New** dropdown arrow.
 - a. **Choose** the appropriate type of data value to add.
 - **Note:** Users can document the Gestational Age on Pediatric patients by choosing Measurement and selecting the Gestational Age tab on the Pediatric Growth Powerform.



- 2) Complete the correlating Powerform.
 - a. Click the green **Sign Form** checkmark icon in the upper left corner when done.

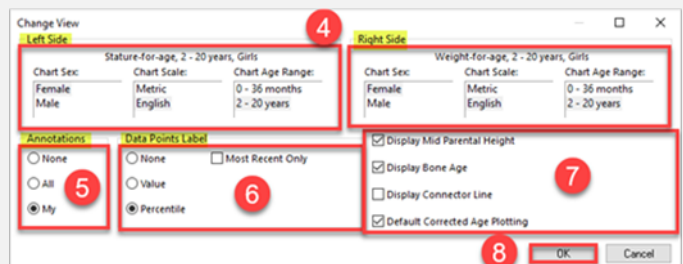
Modify the Chart Display

- 1) Choose the applicable **Data Value** to modify.
- 2) Select the **Change View** button.



- 3) The **Change View** window appears. Here users can adjust the settings for both growth chart displays.

- 4) Select the values to display for both the right and left charts.
- 5) **Annotations:** select the appropriate radio button.
 - a. **None:** no annotations will display.
 - b. **All:** all annotations will display.
 - c. **My:** only annotations that you entered will display.
- 6) **Data Points Label:** select the appropriate option.
 - a. **None**
 - b. **Value**
 - c. **Percentile**
 - d. **Most Recent Only:** can be selected when the Value or Percentile radio button is chosen.



- 7) Select one or more of the following options as appropriate:
 - a. **Display Mid Parental Height**
 - b. **Display Bone Age**
 - c. **Display Connector Line**
 - d. **Display Corrected Age Plotting:** displays the plot by corrected age by default for patients that are considered premature with a chronological age less than three years.

- 8) Click **OK** when done.

Table View

The **Table View** allows users to view and select data values that are plotted and calculate Growth Velocity (GV) for any two points on the table. The following data is displayed in the Table view.

- **Date of result**
- **Age:** Chronological, Post menstrual, or Corrected Age as appropriate.
- **Value**
- **Centile** (expected pattern of growth)
- **Z-Score/SDS** (standard deviation)
- **GV:** Growth Velocity Calculation is enabled in Height/Length for Age, Weight for Age, and Head Circumference for Age growth charts.
- **Medical Service** (encounter type)
- **Plot option**

- 1) To display the Table view, click the **Table** button at the top of the growth chart.



- 2) The **Table** view displays.

Date	Age	Value	Centile	z-score/SDS	GV Calculation	Medical Service	Plot
11/30/2018	8 years	23.62 in	0.00	-16.76		Cardiology	<input type="checkbox"/>
11/30/2018	8 years	23.62 in	0.00	-16.76		Cardiology	<input type="checkbox"/>
10/31/2019	9 years	23.62 in	0.00	-16.07		Cardiology	<input type="checkbox"/>
1/27/2020	9 years	23.62 in	0.00	-15.77		Cardiology	<input type="checkbox"/>
4/8/2020	9 years	59.06 in	96.75	1.84		Vascular Study	<input type="checkbox"/>
4/21/2020	9 years	59.06 in	96.75	1.84		Cardiology	<input type="checkbox"/>
7/22/2020	10 years	55.12 in	57.81	0.20		Imaging Services	<input type="checkbox"/>

Select Plot Values

- 1) Users can select/de-select which data elements to plot.
 - a. Click **Plot All** to choose all of the data at once.
 - b. Click **Chart** to return to the chart view.

Date	Age	Value	Centile	z-score/SDS	GV Calculation	Medical Service	Plot
5/9/2019	41 years	66.93 in	--	--			<input checked="" type="checkbox"/>
5/15/2019	41 years	65.75 in	--	--			<input type="checkbox"/>

Calculate Growth Velocity

- 2) To calculate the Growth Velocity (GV):
 - a. In the **GV** column, select the appropriate data points to use to calculate the growth velocity.
 - b. Click the **Calculate GV** button.

Date	Age	Value	Centile	z-score/SDS	GV
11/30/2018	8 years	23.62 in	0.00	-16.76	<input type="checkbox"/>
11/30/2018	8 years	23.62 in	0.00	-16.76	<input type="checkbox"/>
10/31/2019	9 years	23.62 in	0.00	-16.07	<input type="checkbox"/>
7/22/2020	10 years	55.12 in	57.81	0.20	<input type="checkbox"/>
9/9/2020	10 years	66.93 in	100.00	4.15	<input checked="" type="checkbox"/>
10/7/2020	10 years	66.93 in	100.00	4.07	<input type="checkbox"/>

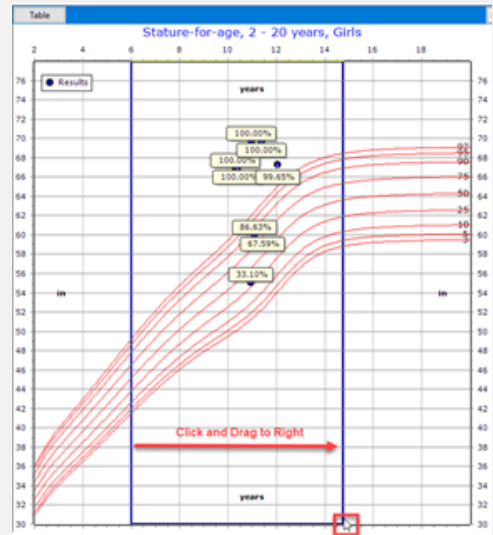
- 3) The growth velocity will display in the **Calculation** column.

Date	Age	Value	Centile	z-score/SDS	GV Calculation
11/30/2018	8 years	23.62 in	0.00	-16.76	<input type="checkbox"/>
11/30/2018	8 years	23.62 in	0.00	-16.76	<input type="checkbox"/>
10/31/2019	9 years	23.62 in	0.00	-16.07	<input type="checkbox"/>
1/27/2020	9 years	23.62 in	0.00	-15.77	<input type="checkbox"/>
4/8/2020	9 years	59.06 in	96.75	1.84	<input type="checkbox"/>
4/21/2020	9 years	59.06 in	96.75	1.84	<input type="checkbox"/>
7/22/2020	10 years	55.12 in	57.81	0.20	<input type="checkbox"/>
9/9/2020	10 years	66.93 in	100.00	4.15	<input checked="" type="checkbox"/> 2.44 INCHES/YEARS
10/7/2020	10 years	66.93 in	100.00	4.07	<input type="checkbox"/>

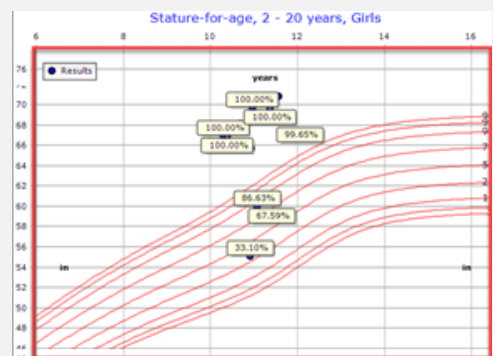
- 4) Click the **Chart** button to return the Chart view.

Zoom the Graph

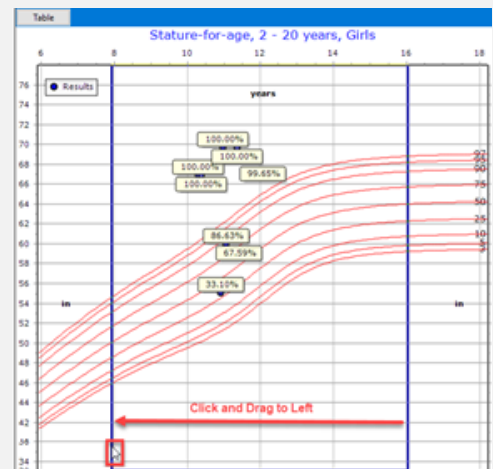
- 1) To zoom in, place the cursor on the applicable area and drag it to the right.



- 2) That area of the graph will zoom in.



- 3) To zoom out, place the cursor on the applicable area and drag it to the left.



Print the Graph

- 1) Select the desired graph to print (users can only print one graph at a time).
- 2) Select the **Print** icon on the upper right-hand side of the screen.
- 3) The **Print** dialog box displays.
 - a. Select the appropriate printer and click **OK**.

