

### Core Objective 8

Record and chart changes in vital signs:

- Height
- Weight
- Blood pressure
- Calculate and display: BMI
- Plot and display growth charts for children 2–20 years, including BMI. - **170.302(f)**

For more than 50% of all unique patients age 2 and over seen by the EP, the height, weight and blood pressure are recorded as structured data

Vitals are configurable by the practice. Mandatory vitals can be specified. Out-of-normal ranges can be configured so that a warning appears for values that are entered that are outside of the specified ranges.

Growth charts and vitals graphing can be done within the vitals area of the application and printed for the patient.

BMI calculation is done automatically when height and weight are entered.

Pediatric growth charts are based on the World Health Organization standards.

The screenshot displays the eClinicalWorks interface for patient vitals and growth charts. The main window is titled "Vitals (Jones, Mary B - 08/01/2012 01:15 PM, OV)". It features a table of vitals data and a "Vitals" form for entering HR. The "Growth Charts" window is open, showing a "Weight-Age Chart-Girls (Birth to 24 months)".

Date	BP(mm Hg)	Ht(in)	Wt(lbs)	BMI(Index)	HR(/min)	RR(/min)	Temp(F)
08/01/2012 *	120/70	5 ft 1 in	122 lb 8 oz	23.14			
06/11/2012							
06/11/2012							
06/07/2012							
06/07/2012							
06/06/2012							
06/01/2012		5 ft 1 in	124 lb 6 oz				
05/31/2012							
05/29/2012							
05/22/2012							
05/09/2012	130/90	5 ft 1 in	120.1				
04/25/2012							
04/05/2012	120/70	5 ft 1 in	126 lb 2 oz				
03/30/2012							

The "Vitals" form shows HR(/min) with a value of 66. The "Growth Charts" window shows a "Weight-Age Chart-Girls (Birth to 24 months)" with data points plotted. The chart shows weight (lb) on the y-axis (5 to 35) and age (months) on the x-axis (0 to 25). Data points are labeled with (Age, Weight): (15, 19.5), (13.9667, 20.375), and (16.5, 28). The chart includes a legend for "Chart Type" and "Display Options".