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Introduction

The Patient Charting functionality has been enhanced to enable the user to enter a wider range of test results and patient specific measures. The functionality is available in Version 10 Service Pack 16 and higher.

Below is a complete list of all the values that can be inputted by the user.

- Blood Flow
- Cholesterol
- Hematology
- Weight
- BMI
- Serotonin
- Alkaline Phosphatase
- Alanine Aminotransferase
- Bilirubin
- Blood Urea Nitrogen
- Creatinine Phosphokinase
- Hemoglobin A1c
- Hemoglobin
- Iron
- Luteinizing Hormone
- Apolipoprotein A1
- Magnesium
- Catecholamine
- Potassium
- Prolactin
- Sodium
- Thyroid Hormones
- Calcium
- Uric Acid
- Body Temperature
- High Sensitivity C-Reactive Protein
- Glucose
- Creatinine
- White Blood Cell Count/Differential
- Height
- Body Fat
- Albumin
- Amylase
- Vitamin B12
- Blood Urea Nitrogen
- Chloride
- Follicle Simulation Hormone
- Hematocrit
- Human Chorionic Gonadotropin
- Lactate Dehydrogenase
- Lipase
- Apolipoprotein B
- Red Blood Cell Indices
- Progesterone
- Total Protein
- Testosterone
- Thyroid Simulating Hormone
- Urea
- Phosphate
- C-Reactive Protein
- Platelets
Accessing Patient Charting

The steps below can be used for any reading you wish to add or modify.

1. From the patient card, navigate to the right 'View' panel and select ‘Charting’ or, press **CTRL-T** on your keyboard.

2. The charting section will display below the yellow patient details section as shown below.
3. Select the green ‘Add other reading’ button. The most common lab values inputted by the user will be displayed first in alphabetical order.

4. The user can also choose the ‘Other’ option to choose the desired value. For example, select the ‘Weight’ value.
5. The ‘Edit Charting Record’ screen will display. Enter the ‘Weight’ value and select a unit of measure from the drop down menu, in this example, ‘130’ and ‘lbs’ were used respectively. Click ‘Save’.

6. The weight value will now display in the ‘Charting’ area of the patient card.
7. The ‘+’ icon allows the user to add a new value and the ‘Edit Charting Record’ screen will display again.
8. The graph icon will display the values in a graph.

9. From the ‘Patient Charting’ screen, the values will be displayed in a graph. As shown, the user has the ability to view the patient’s weight changes through time. The user has the option to ‘Show last 20 readings’, ‘Show last 6 months’ or ‘Show all’. Once the user is finished viewing the graph, they can click ‘Ok’.
10. The user is brought back to the ‘Charting’ screen where they can add multiple readings.
Scenario 1: Body Mass Index (BMI)

1. From the ‘Charting’ screen, select ‘Add other reading’.

2. The ‘Edit Charting Record’ screen displays. You can optionally enter the BMI value directly if it is known or you can leave that field blank and enter the height and weight. If the BMI field was left empty, the BMI value will automatically be calculated. Click ‘Save’. 
3. You will be brought back to the ‘Charting Screen’. From the ‘Weight’ block, select the graph icon.

4. The values shown with a muted yellow background indicate that these were entered under a different chart. While you can view them here, you cannot edit them. If you need to make changes or delete these yellow items, you must return to the source chart.

5. The Height values entered under the BMI chart can also be viewed in the same way under the main Height chart as shown below when viewing the graph.
Scenario 2: Hemoglobin A1c

1. From the patient card, navigate to the right ‘View’ panel and select ‘Charting’ or, press **CTRL-T** on your keyboard.

2. The charting section will display below the yellow patient details section as shown below. Select the green box labelled ‘Add other reading’.

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![Image of patient charting interface](image-url)
3. Select ‘Other’ then ‘Hemoglobin A1c’.

NOTE: When the user first clicks on ‘Add other reading’, the charting values that have already been used are displayed automatically as first options. In this case, since the ‘BMI’, ‘Height’ and ‘Weight’ values have already been modified, therefore, they are displayed first as shown above.

4. The ‘Edit Charting Record’ screen will display. Enter the ‘A1c’ percentage and select ‘Save’.
5. The 'Hemoglobin A1c' value has been added to the 'Charting' screen.

6. Click on the graph icon of the 'Hemoglobin A1c' chart to view all the values in a graph.
7. In this example, all the ‘Hemoglobin A1c’ values are displayed in the graph.

NOTE: When the mouse cursor is on the graph, the cursor will change as a double-headed arrow. This allows users to click and drag on the graph to view older or newer values.
Scenario 3: Cholesterol and Triglycerides

The Cholesterol and Triglycerides serum values are stated below.

- **Cholesterol LDL** (Low-density Lipoprotein)
- **Cholesterol HDL** (High-density Lipoproteins)
- **Cholesterol TC** (Total Cholesterol)
- **Cholesterol TRIG** (Triglycerides)
- **Cholesterol VLDL** (Very low Density Lipoprotein)

1. From the patient card, navigate to the right ‘View’ panel and select ‘Charting’ or, press `CTRL-T` on your keyboard.

2. The charting section will display below the yellow patient details section as shown below. Select the green box labelled ‘Add other reading’.
3. Select ‘Other’ then ‘Cholesterol’.

4. Enter your values in the fields you desire and click ‘Save’. In this example, all the cholesterol values were entered as shown below.
5. The ‘Charting’ screen will display with all the cholesterol values shown individually: ‘Cholesterol LDL’, ‘Cholesterol TRIG’, ‘Cholesterol HDL’, ‘Cholesterol VLDL’, ‘Cholesterol TC’. However, when selecting the graph icon beside any of the cholesterol values, all the five cholesterol values will display if applicable.

6. In this example, the ‘Cholesterol HDL’ graph icon is selected. All cholesterol values are displayed in the ‘Cholesterol HDL’ graph through time. The cholesterol values are distinguished by their own respective colors specified in the legend on top of the graph.
Scenario 4: Creatinine

1. From the patient card, navigate to the right 'View' panel and select ‘Charting’ or, press **CTRL-T** on your keyboard.

2. The charting section will display below the yellow patient details section as shown below. Select the green box labelled ‘Add other reading’.
3. Select ‘Creatinine’.

4. For this example, the ‘Specimen’ is set to ‘Serum’ and the value is measured in mg/dl. The ‘Weight’ and ‘Height’ fields have also been populated. Once these values have been inputted, the ‘CrCl’ (Creatinine Clearance) will automatically be calculated. In this case, the ‘CrCl’ value obtained is 97 mL/min. Click ‘Save’.

NOTE: The weight and height are only optionally entries on this chart but if entered, the CrCl (Creatinine Clearance) is also calculated. The CrCl is calculated based on the formula you have selected under File > Configuration > Store > Patient > Creatinine Clearance Equation. However, it is not mandatory and if inputted, the weight and height will be displayed in their respective graphs and updated on the patient card if it is the newest reading.
5. The Creatinine value will display in the charting screen. As shown below, there is an ‘S’ icon below ‘Creatinine’ specifying that it is a serum value. Inversely, if the ‘Specimen’ selected is ‘Urine’ a ‘U’ icon will be displayed instead of an ‘S’.