



# Open Door Family Health Center, Inc. Managing the Hypertensive Patient – User’s Manual

This User’s Manual explains the eCW Version 8.0 enhancements that provide Clinical Decision Support for the management of Hypertensive patients. Specifically, it includes instructions on the use of:

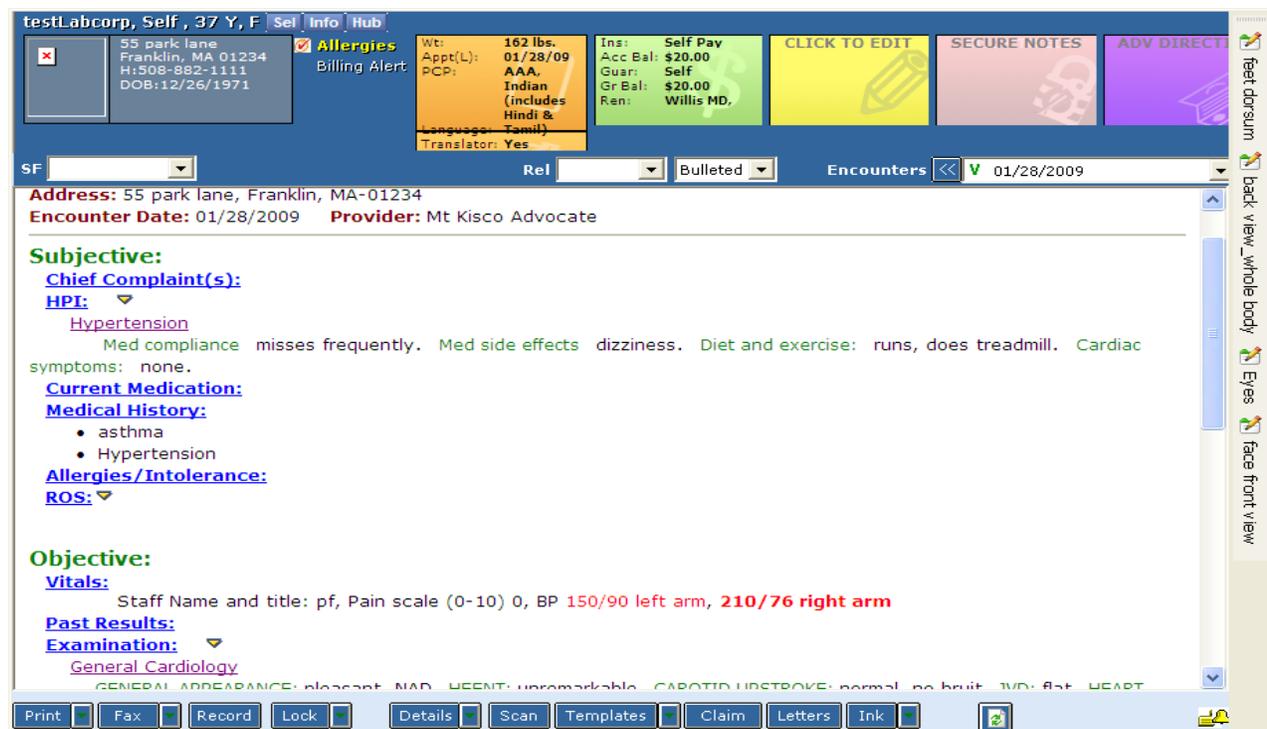
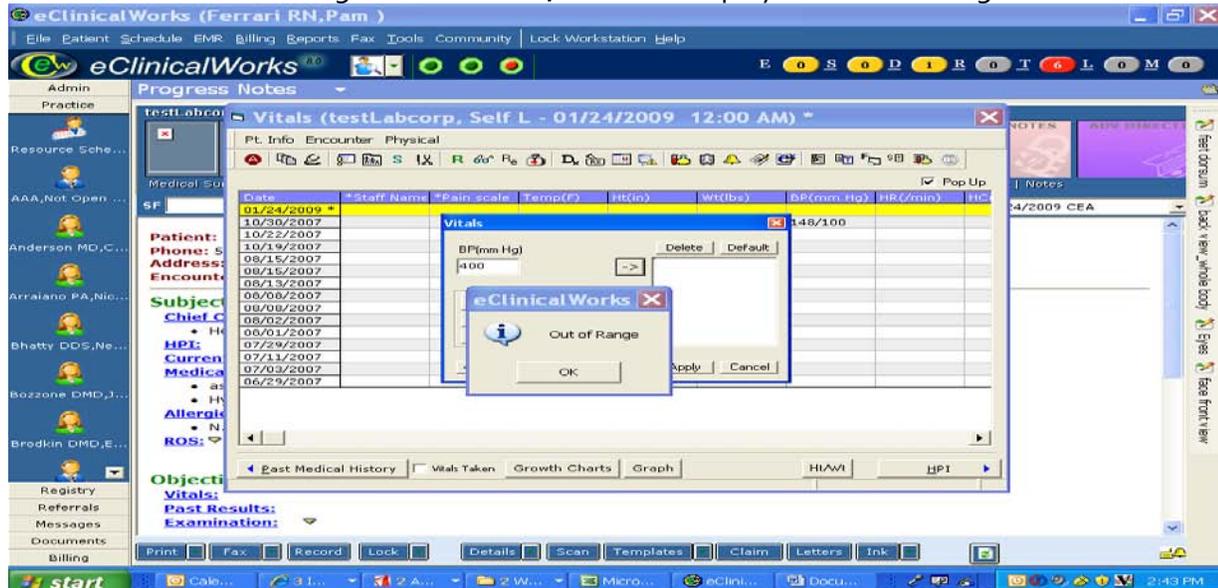
<u>Topic</u>	<u>Section</u>
Vital Signs .....	1.0
The Hypertension Template.....	2.0
Hypertension Order Set .....	3.0
Clinical Decision Support System (CDSS).....	4.0

# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User's Manual

## 1.0 VITAL SIGNS

**Recording Blood Pressure.** The blood pressure field contains logic to prevent the entry of an invalid Blood Pressure (BP). It also flags the user if the BP is out-of-range (inappropriately high).

If an invalid or out-of-range BP is entered, ECW will display an error message.



Elevated BPs are displayed in red. In eCW, elevated is defined as  $\geq 140$  systolic or  $\geq 90$  diastolic. (Note that diabetic patients should be controlled below 130/80.)

# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

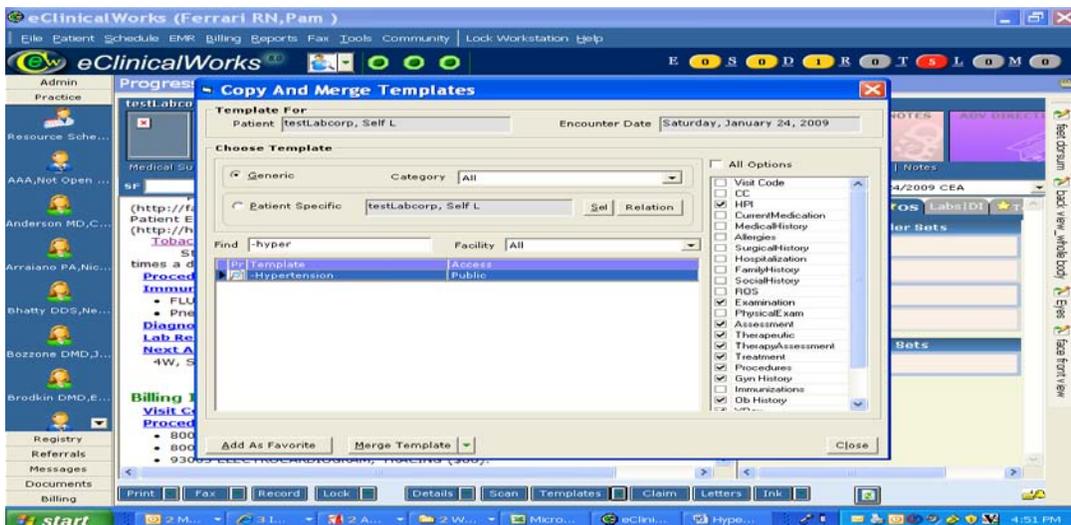
## 2.0 HYPERTENSION TEMPLATE

**2.1 HPI and Examination.** If the BP is elevated due to hypertension, you may choose to use the Hypertension Template to conduct the recommended HPI and examination. Use of the Hypertension Template will facilitate documentation of the recommended elements of the HPI and examination of the hypertensive patient.

To access the template:

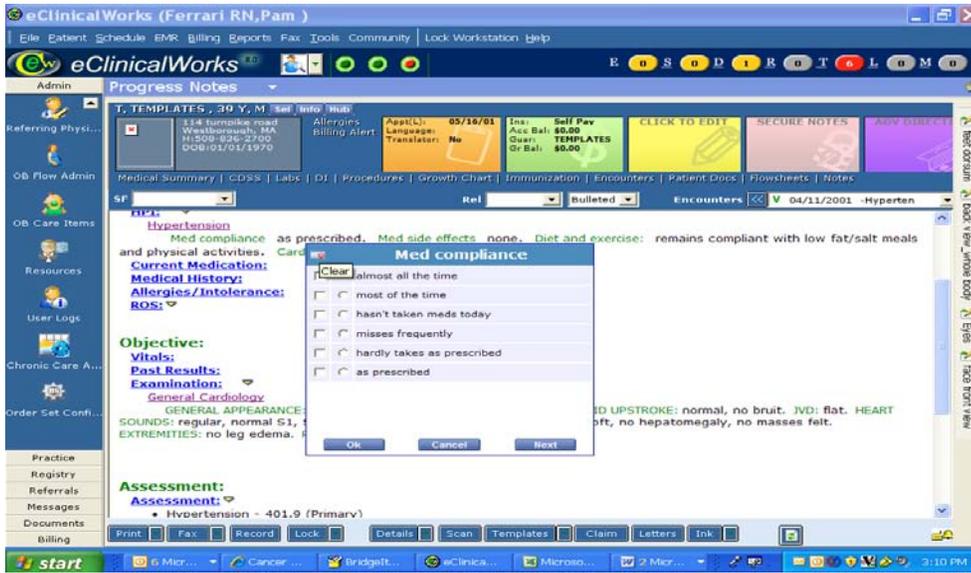
- go to the template button at the bottom of the progress note and choose “-Hypertension” from the list of generic templates
- merge this template into your progress note.

★ It is recommended that you add this template to your favorites list. Note that the *Open Door* Hypertension Order Set is associated with the Hypertension Template.

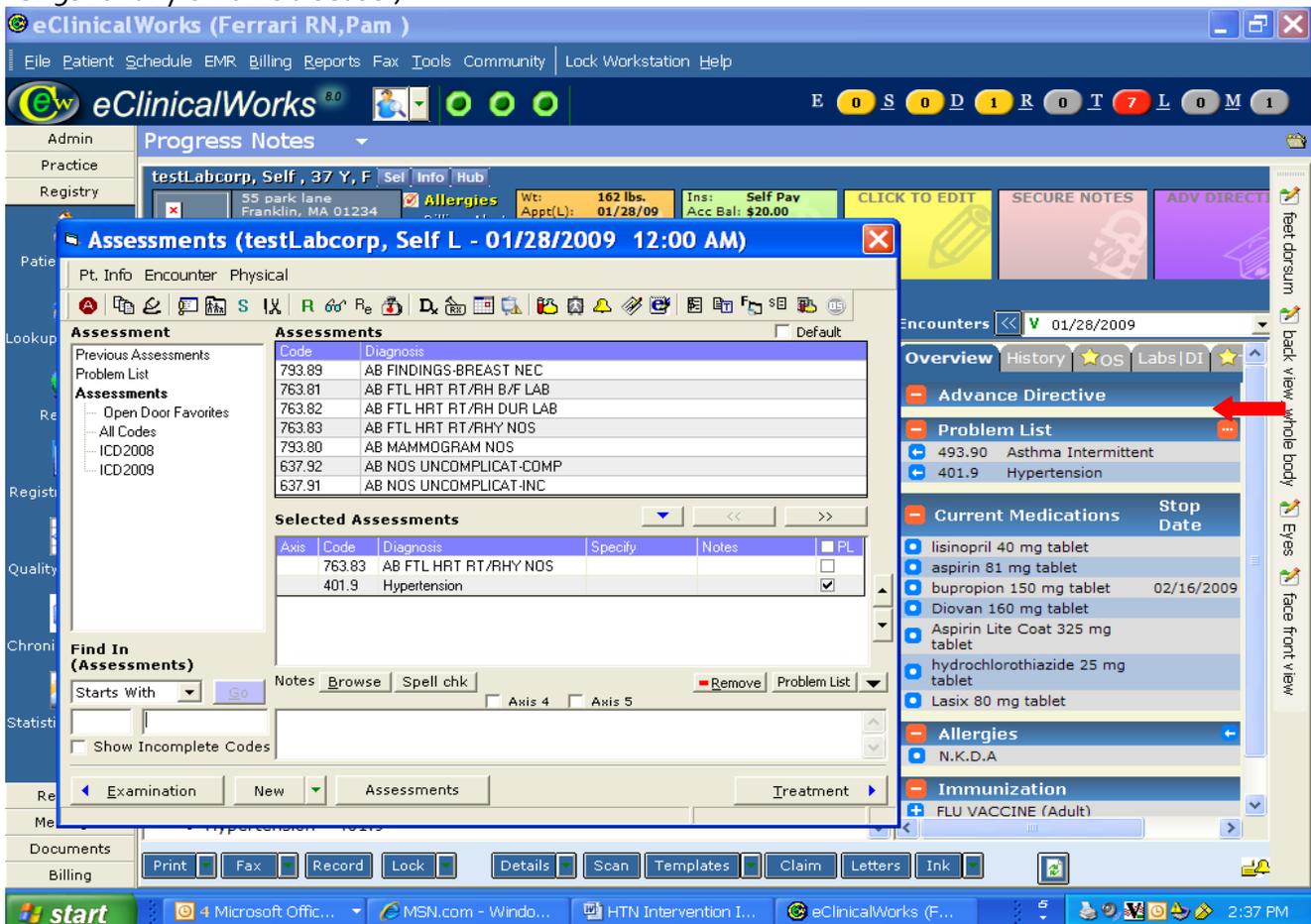


# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

**2.1.2 Medication Compliance.** For each patient medication, the template includes a form to capture compliance.



**2.2 Adding Hypertension to the Problem List.** When an ICD9 code for hypertension is selected under assessment, hypertension is added automatically to the Problem List. (This is true for the ICD9s for any chronic disease.)



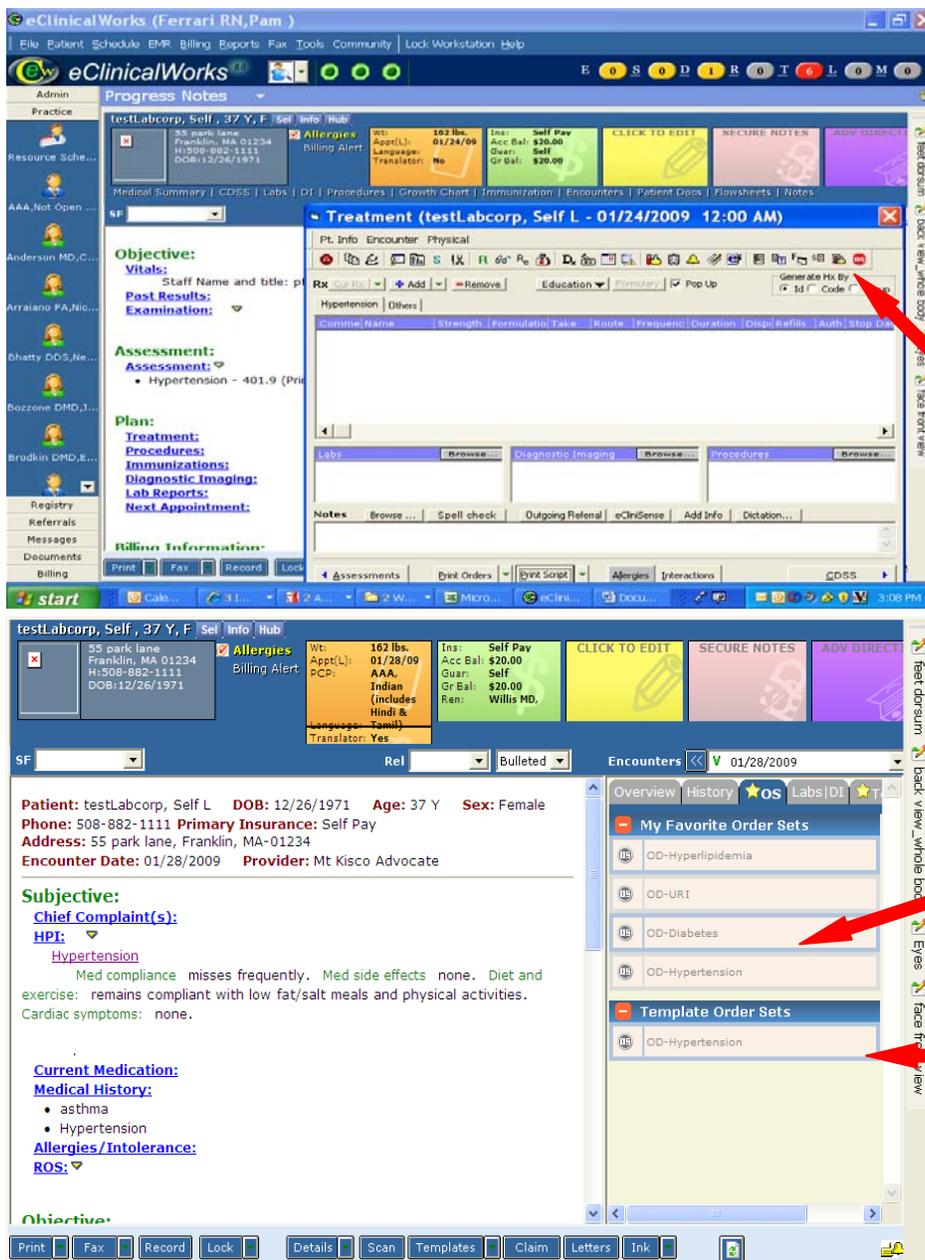
# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

## 3. ORDER SETS

Just as the template brings in recommendations for HPI and examination, the order set provides recommendations for treatment and management of hypertensive patients. The order set is pre-loaded with medication, diagnostic testing, education and other elements related to hypertension.

### 3.1 Accessing Order Sets. There are three ways to access Order Sets:

1. Using the red button **OS** on the treatment screen.
2. Using My Favorite Order Sets on the side bar
3. Using the template-associated Order Sets from the side bar



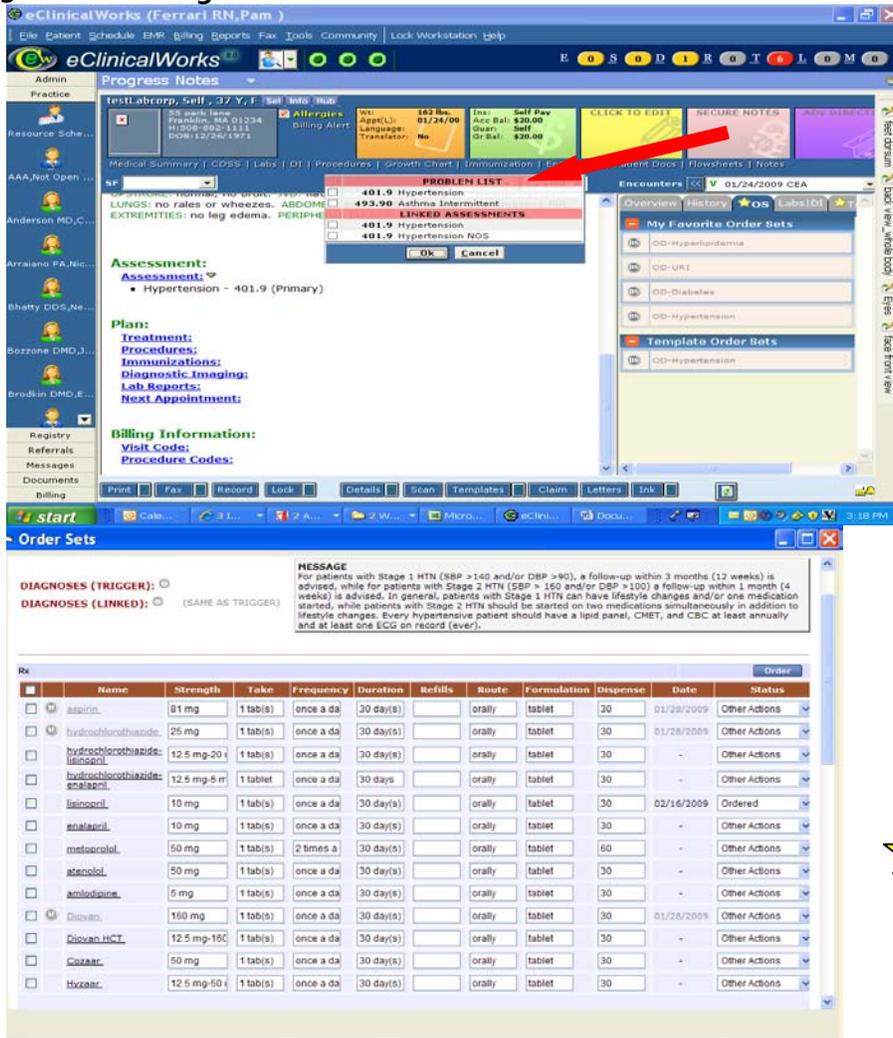
1. Once hypertension is on the problem list from the current or any previous visit, the **OS** button appears in red alerting you that there is an order set available for this diagnosis.

2. If you designate an order set as a favorite, it will always be available on your right hand side bar.

3. If you use the hypertension template, the order set will be available on the side bar.

# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

## 3.2 Associating an Order Set



No matter which method you use to access the order set, you must associate it with a diagnosis. You should always pick Hypertension if using the Hypertension Order Set.

Once you link the order set to a diagnosis, the Order Set window will open.

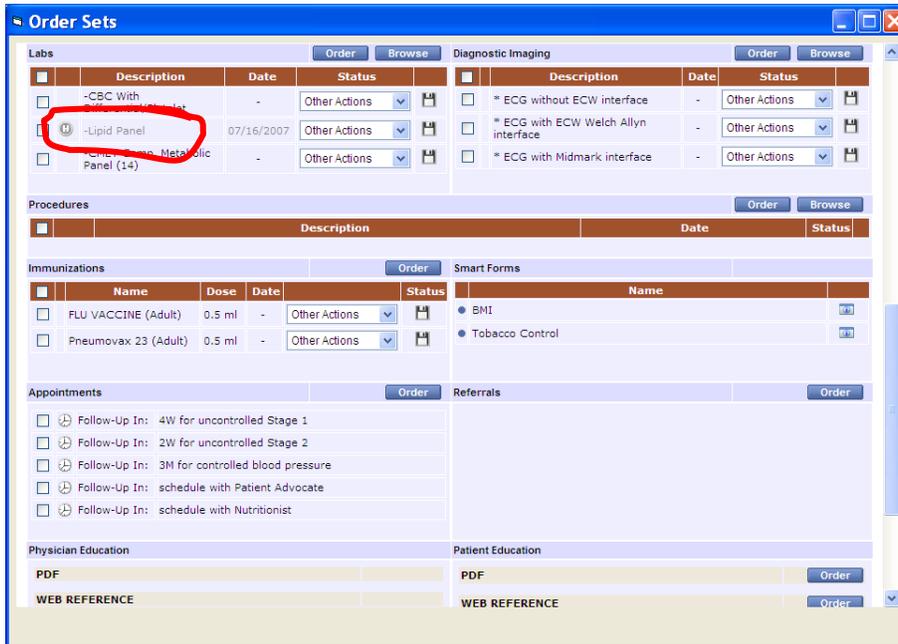
Look to be sure you have the  
"OD- Hypertension Order Set"  
If not, choose it from list.

**3.3 Medication Management and Order Sets.** The order set supports compliance with guidelines by presenting the user with recommended medications. Only Open Door recommended medications, based on JNC7 guidelines, appear in the Order Set.

To order medication, click the box to the left. Note that the strength, frequency, and other details of the prescription can be modified.

If the patient is already on a medication, the date it was ordered will be displayed.

## Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual



### 3.4 Using Order Sets to Order Tests and Services.

Open Door’s recommended treatment standards for hypertension appear as pre-entered:

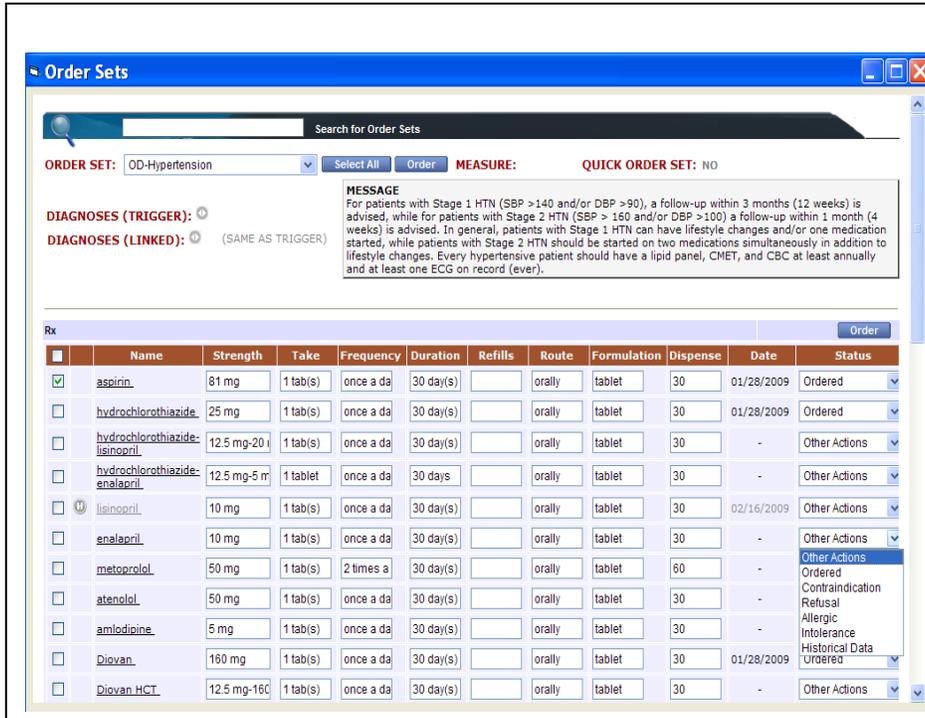
- Laboratory Tests
- Diagnostic Imaging Tests
- Immunizations
- Lifestyle Assessments\*
- Appointments

Standard of care items that have already been done and are not yet overdue are grayed out.

\*Recommended assessments for elevated BMI and tobacco use appear as smart forms and are discussed more fully below under *CDSS*.

Notice that is recommended that all hypertensive patients receive appointments with nutrition for education in the dash Diet and with the patient Advocates for Self Management Support

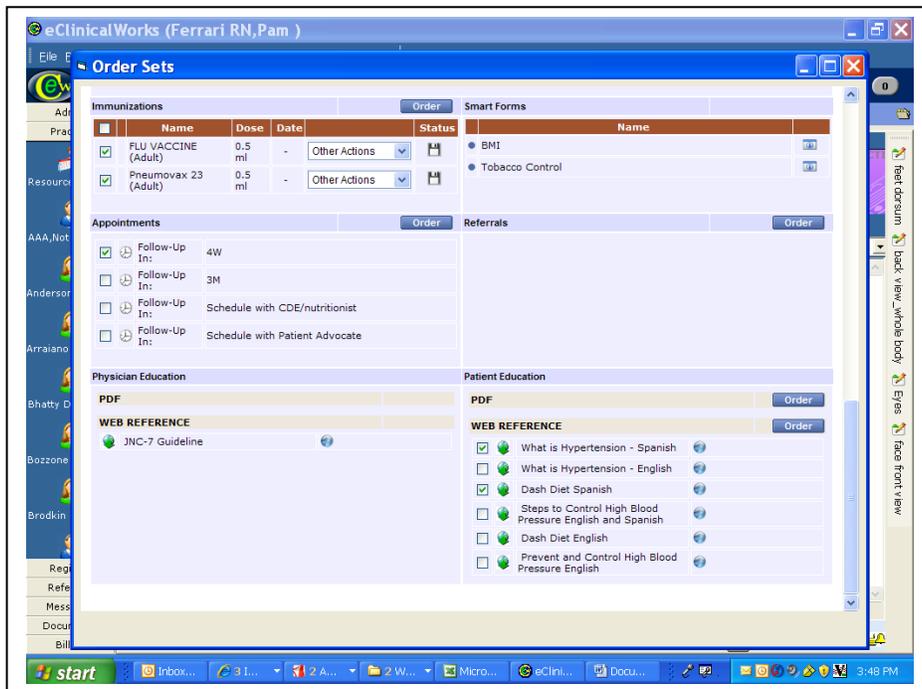
# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual



To order tests or schedule appointments

- click on the appropriate check box(es)
- carefully review your orders to see that the dosage and frequency are exactly what you want
- click 'order' at the top.
- You can document patient refusal or contraindication.

Everything that you choose from the order set will be added to your progress note automatically.



## 3.5 Educational and Reference Information.

The order set contains on-line access to JNC-7 guidelines and patient handouts. Patient handouts can be printed directly from here.

When you check off and print educational materials, the documentation is automatically inserted into your progress note.

# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

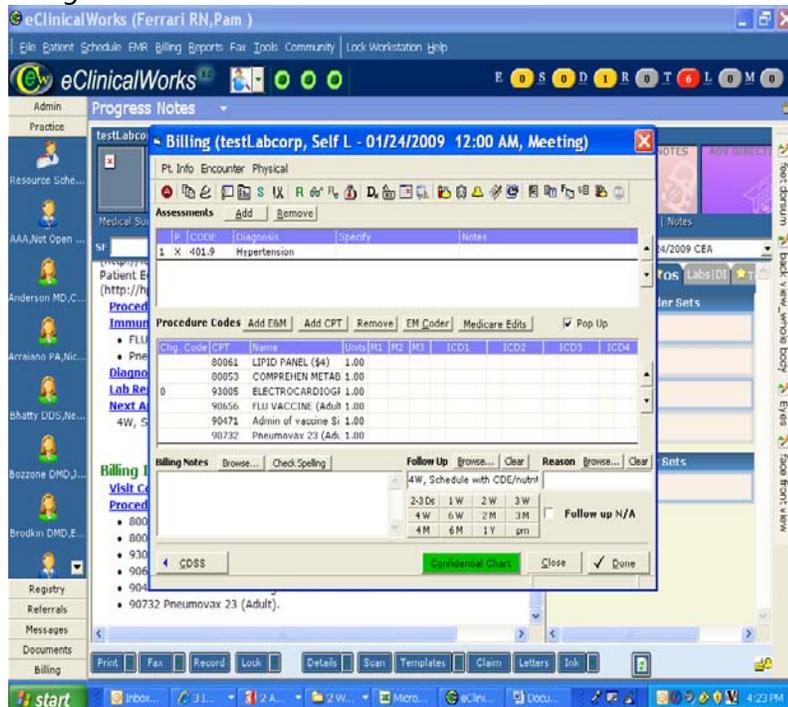
## 4.0 CLINICAL DECISION SUPPORT SYSTEM (CDSS)

The Clinical Decision Support System (CDSS) tool assesses compliance with guidelines for the patient based on his/her age, sex, and medical history. CDSS includes Hypertension, Diabetes, cancer screening and preventive guidelines.

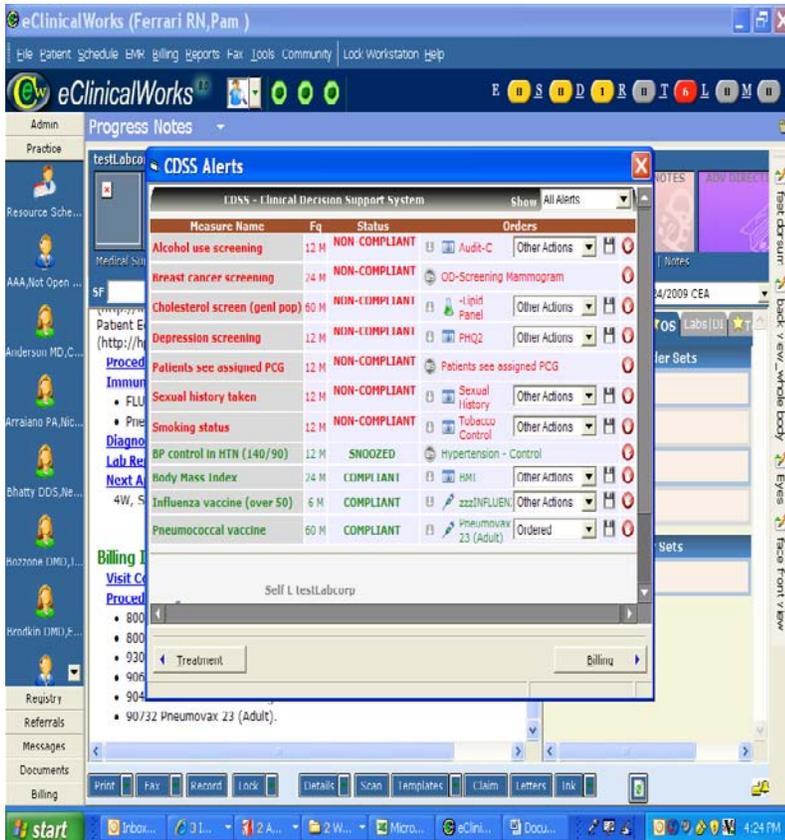
**4.1 Using Clinical Decision Support.** Use CDSS to learn whether the patient is due for any screening tests or preventive care based on his/her age or sex, or requires treatment for a chronic disease.

You can order things you have forgotten or complete documentation that might be recommended using this tool.

To access the CDSS tool, click on the CDSS button at the bottom of the check out page.



## Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual



A screen appears listing guidelines in red when they are not satisfied (“non-compliant”), or green when they are satisfied (“compliant”). When a standard is addressed but not yet satisfied it is “snoozed”.

For example, this patient’s BP control standard is “snoozed” because the provider has already intervened to control the BP.

Also notice that this patient needs to have his smoking status assessed. It can be done from here.

# Open Door Family Medical Centers, Inc. Managing the Hypertensive Patient – User’s Manual

**4.2 Smart Forms.** Smart forms are electronic questionnaires that contain logic that facilitate assessments. In eCW, tobacco assessments appear in a smart form.



- To assess a patient’s tobacco use,
- Click the down arrow next to “other actions”
  - The tobacco control smart form appears
  - Complete the smart form based on the patient’s information
  - If the patient is a smoker, the form automatically offers the Smoking Cessation Order Set and allows you to order appropriate meds and/or fill out the Fax-to-Quit Form.

Completion of the tobacco control smart form and/or the Fax-to-Quit form is automatically inserted into the patient’s history.

Once the tobacco assessment is completed, the *smoking status* and *smoking cessation* measures are reported as compliant.

