

HCC/RxHCC Risk Tutorial for SETMA

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Introduction to HCC & RxHCC Risk Categories; HCC & RxHCC Coefficients; E&M Codes and Correlation with aggregate HCC & RxHCC Coefficients for Acute Diagnoses; and General Concepts about HCC/RxHCC

In 2007, Medicare Advantage programs (HMO) were funded by CMS (Center for Medicare and Medicaid Services) using both demographics and the Hierarchical Conditional Codes, known as the HCC Diagnoses. 2007 also was the year that RX HCC codes were added to complement the reimbursement for managing patients with illnesses, which while they did not rise to the level of complexity and cost-for-care, as the HCC diagnoses, they did qualify for a lower additional payment due to increased medication costs.

In the interim, the use of HCC and RxHCC designation has been expanded to include not only Medicare Advantage beneficiaries, but also Medicare Fee-for-service beneficiaries through Accountable Care Organizations (ACO) and patients treated in a Medical Home. In the case of the ACO, the savings for the calculations of shared savings will be determined by actual cost of care measured against the benchmark costs including the HCC and RxHCC factor for the patients in the benchmark. In the case of Medical Home, the payment of the per member per month (PMPM) payment will be calculated with the level of Medical Home recognition and the HCC/RxHCC coefficient aggregate value, i.e., if a patient is being treated by a Tier III Medical Home and the aggregate HCC/RxHCC score is 2.0 or above, the provider would be eligible for the maximum PMPM as determined by contract.

RxHCC

The RxHCC designations cover many diagnoses which were not covered in the HCC. As a general rule almost all HCC diagnoses are also RxHCC codes but all RxHCC are NOT also HCC. Here are some examples of diagnoses which are not HCC but are RxHCC codes:

- Hypertension is not an HCC (i.e., 401.1 or 401.9, etc) but it is an RxHCC
- Osteoporosis another common illness is not a medical HCC but is an RxHCC
- CAD in itself is not a medical HCC, but it is an RXHCC. Because CAD is a general term, it is imperative that if the patient has angina or an old MI, the chronic problem list should include angina or old MI as they are HCC diagnoses.

What Provider Documentation is necessary in order to qualify a diagnosis as an HCC or RxHCC for payment?

Let's start from the end and work our way back to the beginning. Because all of the HCC and/or RxHCC are Chronic Conditions, the following would be required:

- They must be identified in the E&M coding event for that encounter and they must appear on the Chronic Problem list for that patient.
- Lab, x-rays and procedures should be appropriate to that condition, when required.
- Medications should be reviewed and appropriate medications for the condition should be present in the documentation for the encounter. (It is possible in NextGen to associated a medication with a diagnosis. We will have our staff complete this task on all GTPA patients.)*
- Physical examination should be specific for that condition – for instance if you state the patient has CHF and do not document the lungs and heart, it would not be a valid evaluation. If you say the patient has cancer of the prostate and you do not comment whether they are currently in treatment or are in surveillance, that would not be valid.
- Documented History should be appropriate for that condition.

Because HCC and/or RxHCC are chronic conditions, a chief complaint is not necessary, unless it applies. **There are four ways in which to complete your documentation in the EMR to satisfy this need.**

- Through the routine use of Master GP and the documentation functions present there.
- Through the use of the Chronic-Problem evaluation templates which launch from the Master GP
- Through the use of the Disease Management tools in the EMR
- Through the use of the “Detailed Comments” function which launches from the Assessment template by clicking the button entitled “Detailed Comments” which is found in the second column of the Assessment template.

What steps must be taken to qualify a diagnosis as an HCC or RxHCC?

The diagnosis must be:

1. Established as applying to this patient.
2. Documented in the patient's record in the Chronic Problem list
3. Evaluated at least once in the year prior to the qualification as an HCC or RxHCC
4. Reported to the HMO and via the HMO to CMS

Provider Responsibilities for HCC/RxHCC

Providers simply need to pay attention to the needs and condition of the patient and:

1. Add any HCC or RxHCC which you diagnose to both your chronic problem list and to the acute assessment.
2. Update your Chronic Problem list so that the HCC and RxHCC are displayed on your diagnoses.
3. Evaluate each of the HCC and RxHCC at least once during the year.
4. The best way to evaluate whether you have identified ALL of the HCC and/or RxHCC is to review:
 - a. Scanned documents particularly under cardiology, master discharge summaries, radiology, specialty correspondence, pulmonary, echo's, x-rays, etc.
 - b. The patient's past history template
 - c. Laboratory results and medications
 - d. Previous encounters.

Going forward, once this "catch-up" task is done, it will be relatively easy to add HCC and RxHCC to your chronic problem list as you sign off on reports, correspondence, etc. Also, we are carefully updating all HCC and RxHCC for all patients admitted to the hospital. This is an on-going task. In 2009, some of the HCC and RxHCC will change and some new ones will be added. We will update our system with that information to continue to make it "easier to do it right than not to do it at all." As mentioned earlier, our support staff will go through the EMR with all HMO patients and associated the diagnoses (ICD-9) codes with the medications which are used to treat the patient.

HCC/RxHCC Tutorial

To review the HCC/RxHCC tool in SETMA's EMR, go to AAA Home

Patient: Greg Test Jr. | **Sex:** M | **Age:** 52 | **Date of Birth:** 11/05/1932

Home Phone: (409) 555-5555 | **Work Phone:** () - | **Call Phone:** (360) 630-3489

Patient's Code Status: Full Code

Patient has one or more alerts!

[Click here to View Alerts](#)

Preventive Care: **Master GP** (circled in red), Last Updated: 05/16/2012

Disease Management: Diabetes, Hypertension, Asthma, Acute Coronary Syn, Anxiety, Adrenaline, Cardiac Metabolic Risk, CHF, Diabetes Education, Headaches, Renal Failure, Weight Management

Hospital Care: Hospital Care Summary, Care Process Note, Admission Orders

Pending Referrals: Table with columns: Status, Priority, Referral, Referring Provider

Special Functions: Lab Request, Lab Failure, Lab Results, Hydration, Nutrition, Eye Measurement, Immunizations, Research Consents

Information: Change Posting Tutorial, Drug Interactions, LHM Custom Backgrounds, Health History

Chart Note: Return Info, Return Doc, Email, Telephone, Records Request, Transfer of Care Doc

Click on **Master**

Chronic Conditions	HCC	Rx	Last Evaluated
1 Diabetes mellitus without complicatio	Y	Y	HP-1.2
2 Isolated systolic	Y	Y	HP-1.1
3 Chronic renal disease, stage 1	Y	Y	HP-1.4
4 CHF (congestive heart failure)	Y	Y	HP-2.0
5 Irritable bowel syndrome		Y	HP-2.0
7 Incontinence		Y	HP-7.3
8 Hypomagnesemia		Y	HP-8.10
9 Menopause		Y	HP-11.12
10 HSA flashes		Y	HP-11.12
11 Dehydrated state		Y	HP-11.12
12 Incontinence		Y	HP-11.14
13 Rosacea		Y	HP-11.18
14		Y	HP-11.18
15		Y	HP-11.18
16		Y	HP-11.18
17		Y	HP-11.20
18		Y	HP-11.20
19		Y	HP-11.20
20		Y	HP-11.20
21		Y	HP-11.20
22		Y	HP-11.20
23		Y	HP-11.20
24		Y	HP-11.20
25		Y	HP-11.20

Chronic Condition HCC Score: 0.9493
Chronic Condition RxHCC Score: 0.4310
Total Chronic HCC/RxHCC Score: 1.381

Midway down the GP Master template, you will find the list of **Chronic Conditions**

[HOME](#) [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Visit Type: Facility: Payor:

Dottie Test 52 Years F

Chief Complaints [Comment](#)

Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	
1 Diabetes mellitus without complicatio	Y	Y	Y	Y	//	HPI-1,2
2 Metabolic syndrome			Y	Y	//	
3 Chronic renal disease, stage I	Y	Y	Y	Y	//	HPI-3,4
4 CHF (congestive heart failure)	Y	Y	Y	Y	//	
5 Murmur					//	HPI-5,8
6 Irritable bowel syndrome					//	
7 Incontinence					//	HPI-7,8
8 Hypomagnesemia					//	
9 Menopause					//	HPI-9,10
10 Hot flashes					//	
11 Diminished libido					//	HPI-11,12
12 Insomnia					//	
13 Rosacea					//	HPI-13,14
14					//	
15					//	HPI-15,16
16					//	
17					//	HPI-17,18
18					//	
19					//	HPI-19,20
20					//	
21					//	
22					//	
23					//	
24					//	
25					//	

BP /
 Pulse Pressure 0
 Temp
 Pulse
 Resp
 Weight (lb)
 BMI
 Body Fat 45
 BMR
 Cardiac Risk Ratio 0.00

Fall Risk Assessment	04/05/2012
Functional Assessment	04/16/2010
Pain Assessment	04/16/2010
Stress Assessment	06/27/2011
Wellness Assessment	//
Sleep Questionnaire	//
Depression Screen	//
Karnofsky/Lansky	//
Palliative Perf Scale	//
Braden Scale	//
FAST Assessment	//

Clinic Performance Measures

Allergies

 Nursing Home Patient

Last Reviewed 02/25/2009

HIPAA

Chronic Condition HCC Score 0.9400
 Chronic Condition RxHCC Score 0.4010
 Total Chronic HCC/RxHCC Score 1.341

To the right of the Chronic Conditions are four columns entitled:

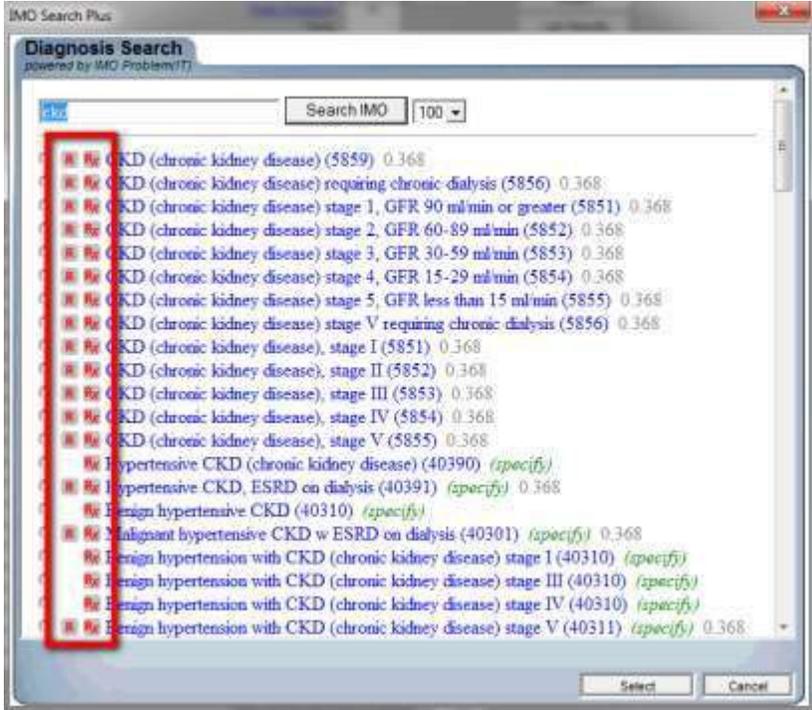
1. **HCC Risk Category** – this designates that a diagnose is an HCC,
2. **RxHCC Category** – this designates that the diagnoses is an RxHC.
(Note: Most HCC diagnoses are also RxHCC, but not all; while most RxHCC are not also HCC.)
3. **Last Evaluated** – this designates the date when this problem was specifically evaluated.
4. **HPI 1-2, HPI 3-4 etc.** – this provides a template whereby the provider can specifically address each of the diagnoses in the Chronic Problem List.

Chronic Conditions		Archive	Re-Order	HCC	Rx	List Evaluated
1	Diabetes mellitus without complicat	Y	Y	/	/	HPI-1,2
2	Metabolic syndrome	Y	Y	/	/	
3	Chronic renal disease, stage I	Y	Y	/	/	HPI-3,4
4	CHF (congestive heart failure)	Y	Y	/	/	
5	Murmur			/	/	HPI-5,6
6	Irritable bowel syndrome			/	/	
7	Incontinence			/	/	HPI-7,8
8	Hypomagnesemia			/	/	
9	Menopause			/	/	HPI-9,10
10	Hot flashes			/	/	
11	Diminished libido			/	/	HPI-11,12
12	Insomnia			/	/	
13	Rosacea			/	/	HPI-13,14
14				/	/	
15				/	/	HPI-15,16
16				/	/	
17				/	/	HPI-17,18
18				/	/	
19				/	/	HPI-19,20
20				/	/	
21				/	/	
22				/	/	
23				/	/	
24				/	/	
25				/	/	

If the diagnosis is an HCC code, the first column, entitled HCC, “Y, If the column is blank, the diagnosis is not an HCC Risk. The designation appears automatically when diagnosis is selected from IMO’s code list. If the diagnosis is an RxHCC, a “Y” will appear in the second column entitled, “Rx.” If the second column is blank, then the diagnosis is not an RxHCC code.

When the IMO ICD-9 Code list, and in 2014, the ICD-10 code list is accessed, the following screen will appear. To the left of the diagnosis, are the designations of “HCC,” which is denoted by the presence of an “R” and the designation of an “RxHCC” by the “Rx” in the second column.

To the right of the diagnoses is a number. This is the “coefficient’ for that HCC or RxHCC diagnosis. The coefficient reflects the increased payment which will be earned by the treatment of patients with these diagnoses. In **the section below on HCC and RxHCC coefficients, this will be discussed in more detail. You may go to that section by clicking on (Link to top of page 35).**



When you select a diagnosis, if it is either HCC or RxHCC, that designation is automatically placed into the columns entitled “HCC” and “Rx.”.

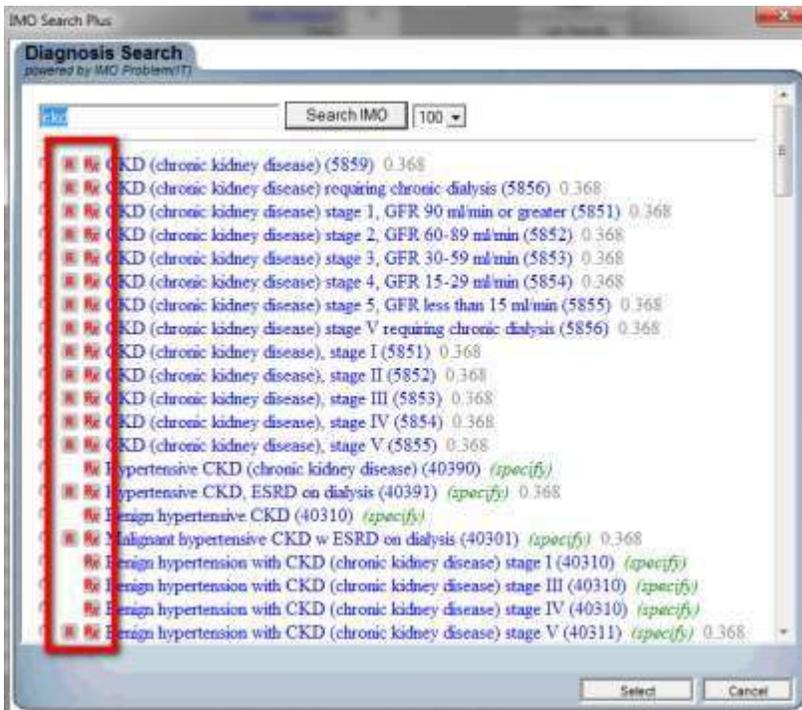
Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	
1 Diabetes mellitus without complicatio			Y	Y	//	HPI-1,2
2 Metabolic syndrome			Y	Y	//	
3 Chronic renal disease, stage I			Y	Y	//	HPI-3,4
4 CHF (congestive heart failure)			Y	Y	//	
5 Murmur					//	HPI-5,6
6 Irritable bowel syndrome					//	
7 Incontinence					//	HPI-7,8
8 Hypomagnesemia					//	
9 Menopause					//	HPI-9,10
10 Hot flashes					//	
11 Diminished libido					//	HPI-11,12
12 Insomnia					//	
13 Dyspareunia					//	HPI-13,14
14 CKD (chronic kidney disease) stage			Y	Y	//	
15					//	HPI-15,16
16					//	
17					//	HPI-17,18
18					//	
19					//	HPI-19,20
20					//	
21					//	
22					//	
23					//	
24					//	
25					//	

The HCC/RxHCC designations appear on the:

- Master GP
- IMO's code list where the HCC and RxHCC are displayed beside diagnoses.
- Assessment Template
- Plan Template
- [“Assesment into Problem List Pop-up”](#) (see below for how to use this function)

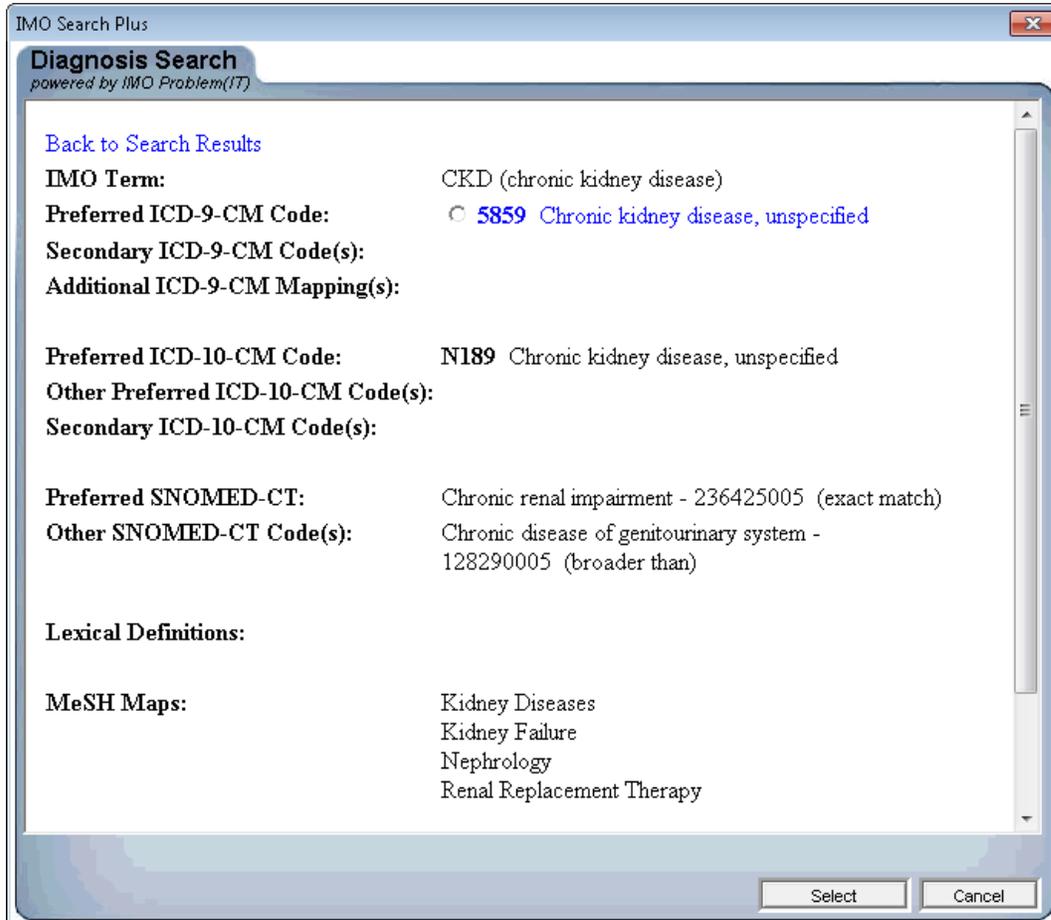
The Future of Coding

When you open the IMO function, you will see a list of diagnoses based on the abbreviation you typed or the name you typed in the assessment or chronic condition space. When that list is displayed, you can either select a diagnoses by clicking in the space to the left of the diagnosis. This will place the diagnosis in your record.



Or, you can click on the diagnosis itself which will launch the following window. This will tell you what the ICD-10 code would be for this ICD-9 Code and it will tell you what the SNOMED diagnostic name will be. In 2014, we will begin using the ICD-10 codes and in 2015, we will begin using the SNOMED nomenclature. Both are already built into the IMO program.

Note: SNOMED CT (Systematized Nomenclature of Medicine--Clinical Terms) is a comprehensive clinical terminology, originally created by the [College of American Pathologists](#) (CAP) and, as of April 2007, owned, maintained, and distributed by the International Health Terminology Standards Development Organisation (IHTSDO), a not-for-profit association in Denmark. The CAP continues to support SNOMED CT operations under contract to the IHTSDO and provides SNOMED-related products and services as a licensee of the terminology.



Use of the “HCC Reviewed Today” Button

At the bottom of the GP Master, you will see a button entitled “HCC Reviewed Today”.

[Home](#)
[Nursing](#)
[Histories](#)
[Health](#)
[Lab Results](#)
[Questionnaires](#)
[HPI Chief](#)
[System Review](#)
[Physical Exam](#)
[Radiology](#)
[Assessment](#)
[Hydration](#)
[Nutrition](#)
[Exercise](#)
[Plan](#)
[Procedures](#)
[Chart Note](#)

1000 [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Dottie Test 52 Years F PCP Facility Payer: XLife Insurance Co

Chief Complaints [Comment](#)

Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	HPI
1 Diabetes mellitus without complicatio	Y	Y	//	//		HPI-1,2
2 Metabolic syndrome	Y	Y	//	//		
3 Chronic renal disease, stage I	Y	Y	//	//		HPI-3,4
4 CHF (congestive heart failure)	Y	Y	//	//		
5 Murmur			//	//		HPI-5,6
6 Irritable bowel syndrome			//	//		
7 Incontinence			//	//		HPI-7,8
8 Hypomagnesemia			//	//		
9 Menopause			//	//		HPI-9,10
10 Hot flashes			//	//		
11 Diminished libido			//	//		HPI-11,12
12 Insomnia			//	//		
13 Rosacea			//	//		HPI-13,14
14			//	//		
15			//	//		HPI-15,16
16			//	//		
17			//	//		HPI-17,18
18			//	//		
19			//	//		HPI-19,20
20			//	//		
21			//	//		
22			//	//		
23			//	//		
24			//	//		
25			//	//		

BP: 0
 Pulse Pressure: 0
 Temp:
 Pulse:
 Resp:
 Weight (lb):
 BMI:
 Body Fat: 45
 BMR:
 Cardiac Risk Ratio: 0.00

Fat Risk Assessment: 04/05/2012
 Functional Assessment: 04/16/2010
 Pain Assessment: 04/16/2010
 Stress Assessment: 06/27/2011
 Wellness Assessment: //
 Sleep Questionnaire: //
 Depression Screen: //
 Karnofsky/Lansky: //
 Palliative Perf Scale: //
 Braden Scale: //
 FAST Assessment: //

Clinic Performance Measures
 Alert
 Allergies
 Comments
 E-Mail Note
 Telephone
 Vitals/Time
 HIPAA

 Last Reviewed: 02/25/2009

Chronic Condition HCC Score: 0.9400
 Chronic Condition RxHCC Score: 0.4010
 Total Chronic HCC/RxHCC Score: 1.341

This button and the date beside it, gives you the opportunity to denote when you last did a thorough review of the patient's entire record and identified all of the HCC and RxHCC codes which apply to this patient. When you click on the button, a pop-up appears which states:

Hcc Review

HCC/RxHCC Review

Last Updated/Reviewed: 02/25/2009

By clicking "OK" below, you acknowledge that you have reviewed all of the following and used the information to update the patient's chronic conditions to reflect all relevant HCC and RxHCC diagnoses.

1. Lab Results
2. Scanned Documents
3. X-Ray Reports
4. Current Medications
5. Hospitalization Reports
6. Past Medical History

Click "OK" only if you have completed all of the above. Otherwise, click "Cancel."

If you have gone through the patient's entire record, identifying and validating all HCC

and/or RxHCC diagnoses, then you may click “OK” and it will indicate today’s date as when you last checked that patient’s chart thoroughly for HCC and/or RxHCC diagnoses. The following will further support the accurate identification, validation and verification of HCC/RxHCC codes:

- These charts will be reviewed at least once a year by our support staff and in some cases they will be reviewed more often.
- Every time a patient is in the hospital, the HCC/RxHCC lists will be updated.
- When you received correspondence from specialist or the results of procedures, you should update the HCC/RxHCC according to the validated and verified diagnoses.

With these steps the accuracy and completeness of SETMA’s HCC and RxHCC Coding will be supported and sustained by:

- Provider attention to the ICD-9 Codes they select during a patient encounter.
- Providers adding additional diagnoses when they review tests and procedure results such as lab work, echo reports, etc.
- Hospital Service team adding diagnoses to the chronic problem list when a patient is discharged from the hospital.

Documentation Qualifying a Diagnosis for Inclusion as an HCC or RxHCC

Four steps are needed to meet the requirement to have CMS recognize a diagnosis as an HCC or RxHCC code in the treatment of your patient; they are:

- Establish that this diagnosis applies to this patient. There are several steps to this process: identify the diagnoses, verify, and validate it.
- Document the diagnosis in the patient’s record in both the encounter assessment for the day in which it was added and in the Chronic Problem list on the patient’s chart.
- Evaluate the problem at least once in the year prior to its qualification as an HCC or RxHCC. i.e., evaluate the problem in 2008 for inclusion as an HCC or RxHCC in 2009. Remember, there are four ways in which you can support your evaluation of each problem:
 1. By use of the Chronic Condition evaluation templates which launch from the Master GP
 2. By use of the Disease Management Tools which launch from AAA Home.
 3. By use of the “Detailed Comment” function which launches from the Assessment Template by clicking the button entitled “Detailed Assessment” in the second column of the Assessment template.
 4. By use of the Master GP Functions in a routine evaluation making certain to address history, physical, assessment, lab and procedures which relate to a particular problem.

- Report the diagnosis to the HMO and, via the HMO to CMS

The steps described above fulfill the requirements for steps one and two. The third step **(Evaluate the problem at least once in the year prior to the qualification as an HCC or RxHCC)** is met by using the two other columns which appear next to the Chronic Problem List and which are entitled **“HCC Last Evaluated”** and **“HPI 1-2”**

The screenshot displays a medical software interface for a patient named Dottie. The 'Chronic Conditions' table is the central focus, with a red box highlighting the 'HCC' and 'Last Evaluated' columns. The table lists 25 conditions, with the first 13 having 'Y' in the 'HCC' column and '///' in the 'Last Evaluated' column. The 'HPI' column contains codes like 'HPI-1,2', 'HPI-3,4', etc. To the right, there are sections for 'Vitals' (BP, Temp, Pulse, Resp, Weight, BMI, Body Fat, BMR, Cardiac Risk Ratio), 'Assessments' (Fall Risk, Functional, Pain, Stress, Wellness, Sleep, Depression, Karnofsky/Lansky, Palliative Perf, Braden, FAST), and 'Clinic Performance Measures' (Alert, Allergies, Comments, E-Mail Note, Telephone, Vitals/Time, Nursing Home Patient, HCC Reviewed Today, Last Reviewed: 02/25/2009). At the bottom right, there are score fields: Chronic Condition HCC Score (0.9400), Chronic Condition RxHCC Score (0.4010), and Total Chronic HCC/RxHCC Score (1.341).

Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	HPI
1 Diabetes mellitus without complicatio			Y	Y	///	HPI-1,2
2 Metabolic syndrome			Y	Y	///	
3 Chronic renal disease, stage I			Y	Y	///	HPI-3,4
4 CHF (congestive heart failure)			Y	Y	///	
5 Murmur					///	HPI-5,6
6 Irritable bowel syndrome					///	
7 Incontinence					///	HPI-7,8
8 Hypomagnesemia					///	
9 Menopause					///	HPI-9,10
10 Hot flashes					///	
11 Diminished libido					///	HPI-11,12
12 Insomnia					///	
13 Rosacea					///	HPI-13,14
14					///	
15					///	HPI-15,16
16					///	
17					///	HPI-17,18
18					///	
19					///	HPI-19,20
20					///	
21					///	
22					///	
23					///	
24					///	
25					///	

In order to qualify as an HCC or RxHCC diagnosis, your evaluation must have:

- a history (most often contained in the review of systems) and
- a physical examination relating specifically to that particular problem. In

addition, when it is appropriate:

- laboratory test and/or
- other procedures should be done at appropriate intervals,
- along with any consultations or

- treatments documented.

Finally, your evaluation should document:

- The diagnosis' status
- Medications ordered, reviewed or changed

Of course, these are steps you already take in treating a patient.

Documenting the “HCC Last Evaluated” column

There two ways in which the third column, entitled “Last Evaluated,” can be populated; one is manual and the other is automatic.

Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	
1 Diabetes mellitus without complicatio	Y	S			//	HPI-1,2
2 Metabolic syndrome	Y	S			//	
3 Chronic renal disease, stage I	Y	S			//	HPI-3,4
4 CHF (congestive heart failure)	Y	S			//	
5 Murmur					//	HPI-5,6
6 Irritable bowel syndrome					//	
7 Incontinence					//	HPI-7,8
8 Hypomagnesemia					//	
9 Menopause					//	HPI-9,10
10 Hot flashes					//	
11 Diminished libido					//	HPI-11,12
12 Insomnia					//	
13 Rosacea					//	HPI-13,14
14					//	
15					//	HPI-15,16
16					//	
17					//	HPI-17,18
18					//	
19					//	HPI-19,20
20					//	
21					//	
22					//	
23					//	
24					//	
25					//	

Manually, you can add the date of the encounter in which you completed a patient evaluation, which gave attention to the history, physical, lab and procedures related to a specific HCC or RxHCC.

Simply click in the space in the “HCC Last Evaluated” column, next to the Chronic HCC or RxHCC condition you have evaluated. A pop-up will appear which states:

If you have not completed an evaluation which is specific to this diagnosis, click “cancel” and either evaluate the problem another day, or complete the evaluation on this date; then return to this field to denote your work.

Once you have clicked “OK,” today’s date will be added indicating that this problem was evaluated today.

NOTE: Soon, another function will be added such that when you complete this step, the ICD-9 Code associated with the HCC/RxHCC which you evaluated will be added to your E&M Template for this visit.

The “HCC Last Evaluated” field can be automatically added if you use the Chronic-Condition-evaluation pop-up, which is launched by clicking in the third column, which is entitled, “HIP 1-2” etc. In addition, when you use this function that Chronic Condition will automatically be added to your E&M Evaluation.

Chronic Conditions	Archive	Rx-Order	HCC	Rx	Last Evaluated
1 Diabetes mellitus without complications	Y	Y	///	///	HPI-1.2
2 Metabolic syndrome	Y	Y	///	///	
3 Chronic renal disease, stage I	Y	Y	///	///	HPI-3.4
4 CHF (congestive heart failure)	Y	Y	///	///	
5 Murmur			///	///	HPI-6.6
6 Irritable bowel syndrome			///	///	
7 Incontinence			///	///	HPI-7.8
8 Hypomagnesemia			///	///	
9 Menopause			///	///	HPI-8.10
10 Hot flashes			///	///	
11 Diminished libido			///	///	HPI-11.12
12 Insomnia			///	///	
13 Rosacea			///	///	HPI-13.14
14			///	///	
15			///	///	HPI-15.16
16			///	///	
17			///	///	HPI-17.18
18			///	///	
19			///	///	HPI-19.20
20			///	///	
21			///	///	
22			///	///	
23			///	///	
24			///	///	
25			///	///	

Cardiac Risk Assessment	Date
Fall Risk Assessment	04/05/2012
Functional Assessment	04/19/2010
Pain Assessment	04/19/2010
Stress Assessment	06/27/2011
Wellness Assessment	///
Sleep Questionnaire	///
Depression Screen	///
Karnofsky/Lansky	///
Palliative Perf Scale	///
Braden Scale	///
FAST Assessment	///

Clinic Performance Measures

- Alert
- Allergies
- Comments
- E-Mail Note
- Telephone
- Vitals/Time
- Nursing Home Patient

HCC Reviewed Today: 02/25/2009

Chronic Condition HCC Score: 0.9400
 Chronic Condition RxHCC Score: 0.4010
 Total Chronic HCC/RxHCC Score: 1.341

Using the Chronic Conditions Evaluation Function to Evaluate a Chronic Problem for Inclusion as an HCC or RxHCC

The Chronic Conditions Evaluation Functions are found to the right of the Chronic Conditions as displayed on the Master GP template.

When you click the HPI button in the fourth column next to the Chronic Conditions, the pop-up will have two Chronic Conditions on it.

Chronic Conditions 1-2

Chronic Condition 1		Chronic Condition 2	
Diabetes mellitus without com		Metabolic syndrome	
Status		Status	
Symptoms		Symptoms	
Pertinent Negatives		Pertinent Negatives	
Compliance		Compliance	
Medications <input type="checkbox"/> Yes <input type="checkbox"/> No		Medications <input type="checkbox"/> Yes <input type="checkbox"/> No	
Follow-Up <input type="checkbox"/> Yes <input type="checkbox"/> No		Follow-Up <input type="checkbox"/> Yes <input type="checkbox"/> No	
Exercise <input type="checkbox"/> Yes <input type="checkbox"/> No		Exercise <input type="checkbox"/> Yes <input type="checkbox"/> No	
Diet <input type="checkbox"/> Yes <input type="checkbox"/> No		Diet <input type="checkbox"/> Yes <input type="checkbox"/> No	
Plan		Plan	
Instructions		Instructions	
Follow-Up		Follow-Up	
<input type="checkbox"/> Reviewed Laboratory		<input type="checkbox"/> Reviewed Laboratory	
<input type="checkbox"/> Reviewed Medications		<input type="checkbox"/> Reviewed Medications	

You may evaluate one or both of these chronic problems. There is some redundancy which cannot be eliminated in the use of this function but it will make certain that your evaluation is specific to the problem with which you are dealing and that you have fulfilled the requirements for evaluating this problem.

The pop-up has a place for you to address the following elements of the Chronic Condition under consideration:

- Review of Systems
- Physical Examination
- Status
- Symptoms
- Pertinent Negatives
- Compliance
- Plans
- Instructions
- Follow-up

Chronic Condition 1

Status

Symptoms

Pertinent Negatives

Compliance

Medications	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Follow-Up	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Exercise	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Diet	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

Plan

Instructions

Follow-Up

Reviewed Laboratory
 Reviewed Medications

Review of Systems

- Constitution
- Eyes
- HENMT
- Cardiovascular
- Respiratory
- Gastrointestinal
- Genitourinary
- Musculoskeletal
- Integumentary
- Neurologic
- Psychiatric
- Endocrine
- Hematology

Physical Exam

- Constitution
- Head/Face
- Eyes
- Ears
- Nasopharynx
- Neck/Thyroid
- Respiratory/Thorax
- Cardiovascular
- Breast
- GI/Abdomen
- Genitourinary
- Rectal
- Back
- Musculoskeletal
- Neurologic
- Integumentary
- Psychiatric
- Foot

The ROS and Physical Examination which you completed under the GP Master functions will automatically populate the Chronic Conditions evaluation function and will appear on your note for each of the systems you open in your evaluation of a Chronic Problem.

Review of Systems	
<input type="checkbox"/>	Constitution
<input type="checkbox"/>	Eyes
<input type="checkbox"/>	HENMT
<input type="checkbox"/>	Cardiovascular
<input type="checkbox"/>	Respiratory
<input type="checkbox"/>	Gastrointestinal
<input type="checkbox"/>	Genitourinary
<input type="checkbox"/>	Musculoskeletal
<input type="checkbox"/>	Integumentary
<input type="checkbox"/>	Neurologic
<input type="checkbox"/>	Psychiatric
<input type="checkbox"/>	Endocrine
<input type="checkbox"/>	Hematology
Physical Exam	
<input type="checkbox"/>	Constitution
<input type="checkbox"/>	Head/Face
<input type="checkbox"/>	Eyes
<input type="checkbox"/>	Ears
<input type="checkbox"/>	Nasopharynx
<input type="checkbox"/>	Neck/Thyroid
<input type="checkbox"/>	Respiratory/Thorax
<input type="checkbox"/>	Cardiovascular
<input type="checkbox"/>	Breast
<input type="checkbox"/>	GI/Abdomen
<input type="checkbox"/>	Genitourinary
<input type="checkbox"/>	Rectal
<input type="checkbox"/>	Back
<input type="checkbox"/>	Musculoskeletal
<input type="checkbox"/>	Neurologic
<input type="checkbox"/>	Integumentary
<input type="checkbox"/>	Psychiatric
<input type="checkbox"/>	Foot

Soon, If you use the Chronic Condition evaluation function, each of the Chronic Conditions you so document will automatically be added to your E&M code without your having to do anything else.

Using the Disease Management Tools to Evaluate a Chronic Problem for Inclusion as an HCC or RxHCC

SETMA has designed Disease Management Tools for:

- Angina
- Asthma
- Headache
- Lipids
- CHF
- Hypertension
- Cardiometabolic Risk Syndrome
- Weight Management
- Chronic Renal Disease
- Weight Management

Patient: Greg Test Jr. **Sex:** M **Age:** 62 **Date of Birth:** 11/05/1930 **Patient's Code Status:** Full Code

Home Phone: (409)555-5555 **Work Phone:** () - **Cell Phone:** (351)030-9405

Patient has one or more alerts!
[Click Here to View Alerts](#)

STARS Program Measures | **Pre-Visit/Preventive Screening** | **Bridges to Excellence View**

Preventive Care
[SETHA's LESS Infection](#) | Last Updated: 05/16/2012
[Preventive Diabetes](#) | Last Updated: 08/13/2012
[Preventive Hypertension](#) | Last Updated: 08/13/2012
[Smoking Cessation](#)
[Care Coordination Referral](#)
[PC-MH Coordination Review](#)
Needs Attention!
[HCCs](#) | [NCE](#) | [EPCS](#) | [ACQ](#)
[Elderly Medication Summary](#)

Exercise
[Exercise](#) | [CHF Exercise](#) | [Diabetic Exercise](#)

Pending Referrals

Status	Priority	Referral	Referring Provider
Completed	Routine	Referral	Non Setna
Completed	Routine	Optometry	Holly
Completed	Routine	Ophthalmology	Hilbert
Completed	Routine	Dermatology	DePanne

Chart Note
[Return Info](#)
[Return Doc](#)
[Email](#)
[Telephone](#)
[Records Request](#)
[Transfer of Care Doc](#)

The use of any of these Disease Management Tools will provide all of the documentation which is required to satisfy the evaluation of an HCC or RxHCC. Once the disease management tool is completed for any of these conditions, the provider can manually update the “HCC Last Evaluated” with confidence. Eventually, we will have that update be automatic. Tutorials for each of the Chronic Disease Management Tools can be found one of three ways:

1. Clicking on the “T” next to name of the Disease Condition on AAA Home

Patient: Greg Test Jr. **Sex:** M **Age:** 62 **Date of Birth:** 11/05/1930 **Patient's Code Status:** Full Code

Home Phone: (409)555-5555 **Work Phone:** () - **Cell Phone:** (351)030-9405

Patient has one or more alerts!
[Click Here to View Alerts](#)

STARS Program Measures | **Pre-Visit/Preventive Screening** | **Bridges to Excellence View**

Preventive Care
[SETHA's LESS Infection](#) | Last Updated: 05/16/2012
[Preventive Diabetes](#) | Last Updated: 08/13/2012
[Preventive Hypertension](#) | Last Updated: 08/13/2012
[Smoking Cessation](#)
[Care Coordination Referral](#)
[PC-MH Coordination Review](#)
Needs Attention!
[HCCs](#) | [NCE](#) | [EPCS](#) | [ACQ](#)
[Elderly Medication Summary](#)

Exercise
[Exercise](#) | [CHF Exercise](#) | [Diabetic Exercise](#)

Template Suites
[Master GP](#) | [Pediatrics](#) | [Nursing Home](#) | [Ophthalmology](#) | [Physical Therapy](#) | [Podiatry](#) | [Rheumatology](#)

Disease Management
[Diabetes](#) | Last Updated: 12/05/2012
[Hypertension](#) | Last Updated: 12/05/2012
[Lipids](#) | Last Updated: 05/23/2012
[Acute Coronary Syn](#) | Last Updated: 11/12/2010
[Asthma](#) | Last Updated: 11/12/2010
[Asthma](#) | Last Updated: 02/07/2011
[Cardiovascular Risk Sys](#) | Last Updated: 03/23/2011
[CHF](#) | Last Updated: 12/04/2012
[Diabetes Education](#) | Last Updated: / /
[Headaches](#) | Last Updated: / /
[Sexual Failure](#) | Last Updated: 12/04/2012
[Weight Management](#) | Last Updated: 09/27/2010

Hospital Care
[Hospital Care Summary](#) | [Daily Progress Note](#) | [Admission Orders](#)

Pending Referrals

Status	Priority	Referral	Referring Provider
Completed	Routine	SETHA	Non Setna
Completed	Routine	Optometry	Holly
Completed	Routine	Ophthalmology	Hilbert
Completed	Routine	Dermatology	DePanne

Chart Note
[Return Info](#)
[Return Doc](#)
[Email](#)
[Telephone](#)
[Records Request](#)
[Transfer of Care Doc](#)

You can then select the specific functionality or disease management tutorial which is desired.

2. Or by going to SETMA’s Intranet and clicking on “Clinical.”



3. If you would like to study any of these Tutorials from a book, you check one out for loan for two weeks.

Using the “Detailed Comment” Function to Evaluate a Chronic Problem for Inclusion as an HCC or RxHCC

The “Detailed Comment” was developed for the Hospital-daily-progress-note function in NextGen, but is also available to be used with the clinic note. At present, there are sixteen conditions for which we have developed “categories” for evaluation of chronic conditions.

To find the “Detailed Comment” function, go to the Assessment Template in the Master GP Suite of templates by clicking on Assessment in the SETMA navigation list.

[Home](#) [Nursing](#) [Histories](#) [Health](#) [Lab Results](#) [Questionnaires](#) [HPI Chief](#) [System Review](#) [Physical Exam](#) [Radiology](#) [Assessment](#) [Hydration](#) [Nutrition](#) [Exercise](#) [Plan](#) [Procedures](#) [Chart Note](#)

[Home](#) [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Visit Type: Facility: Payor:

Dottie Test 52 Years F PCP:

Chief Complaints [Comment](#)

1	
2	
3	
4	
5	
6	

BP: Pulse Pressure: 0 Temp: Pulse: Resp: Weight (lb): BMI: Body Fat: 45 BMR:

Cardiac Risk Ratio: 0.00

Chronic Conditions	Archive	Re-Order	HCC	Rx	Last Evaluated	
1			Y	Y	///	HPI-1,2
2			Y	Y	///	
3			Y	Y	///	HPI-3,4
4			Y	Y	///	
5					///	HPI-5,6
6					///	
7					///	HPI-7,8
8					///	
9					///	HPI-9,10
10					///	
11					///	HPI-11,12
12					///	
13					///	HPI-13,14
14					///	
15					///	HPI-15,16
16					///	
17					///	HPI-17,18
18					///	
19					///	HPI-19,20
20					///	
21					///	
22					///	
23					///	
24					///	
25					///	

Fall Risk Assessment: 04/05/2012
 Functional Assessment: 04/16/2010
 Pain Assessment: 04/16/2010
 Stress Assessment: 06/27/2011
 Wellness Assessment: //
 Sleep Questionnaire: //
 Depression Screen: //
 Karnofsky/Lansky: //
 Palliative Perf Scale: //
 Braden Scale: //
 FAST Assessment: //

Clinic Performance Measures
 Alert
 Allergies
 Comments
 E-Mail Note
 Telephone
 Vitals/Time
 Nursing Home Patient

HCC Reviewed Today
 Last Reviewed: 02/25/2009

HIPAA

Chronic Condition HCC Score: 0.9400
 Chronic Condition RxHCC Score: 0.4010
 Total Chronic HCC/RxHCC Score: 1.341

This step launches the Assessment Template. At the top of the second column of this template, there is a button entitled “**Detailed Comments**”.

Assessment Comments

Diagnosis	Category		Plan/Comments
		<input type="checkbox"/>	

In the left hand column, the conditions on the Acute Assessment of the current encounter will appear. If there are more than 8 diagnoses, the additional ones can be found by clicking on the “Additional Diagnoses” button at the top right of the template

Assessment Comments

Diagnosis	Category		Plan/Comments
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	

Under the title “Categories”, if you click in the empty box beside the diagnoses you wish to evaluate for an HCC or RxHCC, you will launch a pop-up with the current 16 conditions for which the evaluation tool exists.

Picklist Category X

- Altered Mental Status**
- Anemia**
- Angina**
- CHF**
- D-Dimer, Elevated**
- Dehydration**
- Diabetes**
- Hyperkalemia**
- Hypertension**
- Hypokalemia**
- Hyponatremia**
- Malnutrition**
- Pneumonia**
- Post Surgical**
- Respiratory Failure**
- Syncope**

If you then select the “Category” which corresponds with the HCC or RxHCC diagnoses which you are evaluating, a template will appear which will allow you efficiently to complete the evaluation of the condition.

For instance, if you are evaluating Diabetes, and if you click on the diagnosis of Diabetes in the list of conditions under “Category,” the following will appear:

Progress Diabetes

Daily Progress Note Diabetes Assessment

HgbA1C / Mean Plasma Glucose

Blood Pressure / Diabetes well controlled? Yes No
 Highest Blood Sugar (Last 24 Hours) Blood sugar improving? Yes No
 Current Diet Ketosis present? Yes No
 Change Diet To

Review of Systems

Gastrointestinal	+	-	Cardiovascular	+	-
Constipation	<input type="checkbox"/>	<input type="checkbox"/>	Chest Pain	<input type="checkbox"/>	<input type="checkbox"/>
Diarrhea	<input type="checkbox"/>	<input type="checkbox"/>	Difficulty Breathing	<input type="checkbox"/>	<input type="checkbox"/>
Nausea	<input type="checkbox"/>	<input type="checkbox"/>			
Vomiting	<input type="checkbox"/>	<input type="checkbox"/>			
Endocrine	+	-	Peripheral Vascular	+	-
Hyperkalemia	<input type="checkbox"/>	<input type="checkbox"/>	Coldness of extremities	<input type="checkbox"/>	<input type="checkbox"/>
Hypokalemia	<input type="checkbox"/>	<input type="checkbox"/>	Hair loss on extremities	<input type="checkbox"/>	<input type="checkbox"/>
Hypercalcemia	<input type="checkbox"/>	<input type="checkbox"/>	Cyanosis	<input type="checkbox"/>	<input type="checkbox"/>
Hypocalcemia	<input type="checkbox"/>	<input type="checkbox"/>	Intermittent Claudication	<input type="checkbox"/>	<input type="checkbox"/>
Hypernatremia	<input type="checkbox"/>	<input type="checkbox"/>	Peripheral Edema	<input type="checkbox"/>	<input type="checkbox"/>
Hyponatremia	<input type="checkbox"/>	<input type="checkbox"/>	Status Ulcers	<input type="checkbox"/>	<input type="checkbox"/>
Polydipsia	<input type="checkbox"/>	<input type="checkbox"/>	Varicose Veins	<input type="checkbox"/>	<input type="checkbox"/>
Polyuria	<input type="checkbox"/>	<input type="checkbox"/>			
Polyphagia	<input type="checkbox"/>	<input type="checkbox"/>			

Laboratory Orders

- BMP
- C-Peptide
- HgbA1C
- Lipid Panel
- Micral Strip
- Thyroid Profile
- Urinalysis
- Urine, 24 Hour Protein

Procedures

- Pneumovax
- Flu Shot

Medications

- Begin Aspirin, 325 mg
- Continue Aspirin
- Insulin dosing changed
- Medications reviewed for Diabetes
- Medications reviewed for Hypertension

Consults

- Endocrinology consult ordered
- Endocrinology consult report reviewed
- Smoking cessation discussed

OK Cancel

You can then quickly and effectively evaluate that problem and that evaluation will appear on your chart note. Also the ROS section will be automatically populated with your previous ROS, as will the vital signs and the appropriate laboratory results.

Having completed the evaluation of this “category,” you can return to the Master GP template and put today’s date in the “HCC Last Evaluated” box. Eventually, we will make that notation automatic as well.

If there are multiple HCC or RxHCC codes which you wish to evaluate; you just repeat this process for each one.

Using the Master GP to Evaluate a Chronic Problem for inclusion as an HCC or RxHCC

It is obvious that it is possible to do a global evaluation of a patient utilizing the elements of the Master GP suite of templates. Such a global evaluation, if it contains the elements of history, physical, assessment and plan for each of the HCC and/or RxHCC codes, will suffice for the requirement of documenting such an evaluation.

Associating Medications with the RxHCC Risk Diagnosis in the EMR Medication Module

Introduction

In NextGen's Medication Module, it is possible to associate the patient's medications with the specific diagnosis for which the medication is prescribed. Some day, I suspect, the standard of care in medicine and perhaps even the law of medicine will require this to be done.

The idea behind RxHCC is that the conditions so designated have an increased cost of care because of the chronic need for one or more medications to treat the condition.

One of the problems with this association, as far as the functionality of NextGen is that once the visit in which the medication prescribed is locked, in order to create this association, you must renew the medication.

Thus, it is helpful, when it is possible, and I understand and accept the fact that we are already asking for a great deal to be added to your workflow, it is ideal to make this association at the time that you add a medication for the treatment of an HCC or an RxHCC diagnosis.

Steps to Completing the Association of a Medication with a Diagnosis

From the Master GP template, click on the Assessment button in SETMA's list of navigation buttons.

[PDM](#) [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Visit Type: Facility Payor: XLife Insurance Co

Dottie Test 52 Years F

Chief Complaints [Comment](#)

1				
2				
3				
4				
5				
6				

Chronic Conditions [Archive](#) [Re-Order](#)

	HCC	Rx	Last Evaluated	
1	Y	Y	//	HPI-1,2
2	Y	Y	//	
3	Y	Y	//	HPI-3,4
4	Y	Y	//	
5			//	HPI-5,6
6			//	
7			//	HPI-7,8
8			//	
9			//	HPI-9,10
10			//	
11			//	HPI-11,12
12			//	
13			//	HPI-13,14
14			//	
15			//	HPI-15,16
16			//	
17			//	HPI-17,18
18			//	
19			//	HPI-19,20
20			//	
21			//	
22			//	
23			//	
24			//	
25			//	

BP: [] / []
 Pulse Pressure: 0
 Temp: []
 Pulse: []
 Resp: []
 Weight (lb): []
 BMI: []
 Body Fat: 45
 BMR: []
 Cardiac Risk Ratio: 0.00

Fall Risk Assessment: 04/05/2012
 Functional Assessment: 04/16/2010
 Pain Assessment: 04/16/2010
 Stress Assessment: 06/27/2011
 Wellness Assessment: //
 Sleep Questionnaire: //
 Depression Screen: //
 Karnofsky/Lansky: //
 Palliative Perf Scale: //
 Braden Scale: //
 FAST Assessment: //

Clinic Performance Measures

Alert
 Allergies
 Comments
 E-Mail Note
 Telephone
 Vitals/Time
 Nursing Home Patient

HCC Reviewed Today
 Last Reviewed: 02/25/2009

HIPAA

Chronic Condition HCC Score: 0.9400
 Chronic Condition RxHCC Score: 0.4010
 Total Chronic HCC/RxHCC Score: 1.341

[Home](#)
[Nursing](#)
[Histories](#)
[Health](#)
[Lab Results](#)
[Questionnaires](#)
[HPI Chief](#)
[System Review](#)
[Physical Exam](#)
[Radiology](#)
[Assessment](#)
[Hydration](#)
[Nutrition](#)
[Exercise](#)
[Plan](#)
[Procedures](#)
[Chart Note](#)

At the second column on the Assessment template midway down the screen, you will see a button entitled “Assessments Into Problem List.”

[PDM](#) [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Acute Assessments: [] [] [] [] [] [] [] [] [] []

Chief Complaints: [] [] [] [] [] [] [] [] [] []

Master GP: [Nursing](#) [Histories](#) [Health](#) [Questionnaires](#) [HPI Chief](#) [System Review](#) [Physical Exam](#) [Radiology](#) [Plan](#) [Procedures](#) [Chart Note](#)

Acute HCC Score: 0.0
 Acute RxHCC Score: 0.0
 Total Acute Score: 0.0

Chronic HCC Score: 0.9400
 Chronic RxHCC Score: 0.4010
 Total Chronic Score: 1.341

HCC Not Assessed This Year: 0.0000
 RxHCC Not Assessed This Year: 0.0000
 Total Not Assessed This Year: 0.0000

Chronic Conditions: [Archive](#) [Re-Order](#)

	Status	HCC	Rx	
Diabetes mellitus without complicatio		Y	Y	HPI-1,2
Metabolic syndrome		Y	Y	
Chronic renal disease, stage I		Y	Y	HPI-3,4
CHF (congestive heart failure)		Y	Y	
Murmur				HPI-5,6
Irritable bowel syndrome				
Incontinence				HPI-7,8
Hypomagnesemia				
Menopause				HPI-9,10
Hot flashes				
Diminished libido				HPI-11,12
Insomnia				
Rosacea				HPI-13,14
CKD (chronic kidney disease) stage		Y	Y	HPI-15

Chronic Condition Comments: [] [] [] [] [] [] [] [] [] []

When you click on the “Assessments Into Problem List” button, the following screen appears:

Problemcopy Gp [X]

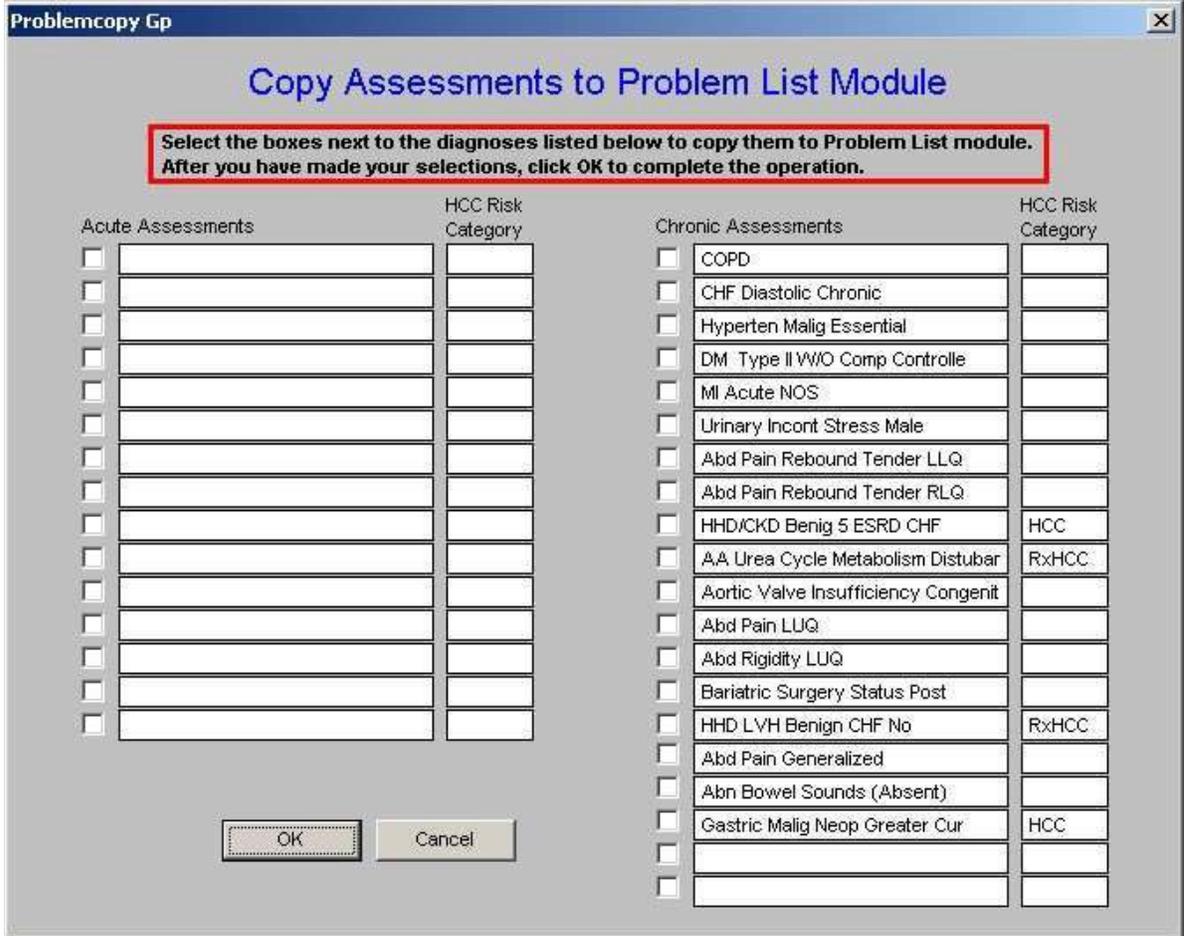
Copy Assessments to Problem List Module

**Select the boxes next to the diagnoses listed below to copy them to Problem List module.
After you have made your selections, click OK to complete the operation.**

Acute Assessments	HCC Risk Category	Chronic Assessments	HCC Risk Category
<input type="checkbox"/>		<input type="checkbox"/> COPD	
<input type="checkbox"/>		<input type="checkbox"/> CHF Diastolic Chronic	
<input type="checkbox"/>		<input type="checkbox"/> Hyperten Malig Essential	
<input type="checkbox"/>		<input type="checkbox"/> DM Type II W/O Comp Controlle	
<input type="checkbox"/>		<input type="checkbox"/> MI Acute NOS	
<input type="checkbox"/>		<input type="checkbox"/> Urinary Incont Stress Male	
<input type="checkbox"/>		<input type="checkbox"/> Abd Pain Rebound Tender LLQ	
<input type="checkbox"/>		<input type="checkbox"/> Abd Pain Rebound Tender RLQ	
<input type="checkbox"/>		<input type="checkbox"/> HHD/CKD Benig 5 ESRD CHF	HCC
<input type="checkbox"/>		<input type="checkbox"/> A.A Urea Cycle Metabolism Distubar	RxHCC
<input type="checkbox"/>		<input type="checkbox"/> Aortic Valve Insufficiency Congenit	
<input type="checkbox"/>		<input type="checkbox"/> Abd Pain LUQ	
<input type="checkbox"/>		<input type="checkbox"/> Abd Rigidity LUQ	
<input type="checkbox"/>		<input type="checkbox"/> Bariatric Surgery Status Post	
<input type="checkbox"/>		<input type="checkbox"/> HHD LVH Benign CHF No	RxHCC
<input type="checkbox"/>		<input type="checkbox"/> Abd Pain Generalized	
<input type="checkbox"/>		<input type="checkbox"/> Abn Bowel Sounds (Absent)	
<input type="checkbox"/>		<input type="checkbox"/> Gastric Malig Neop Greater Cur	HCC
<input type="checkbox"/>		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>	

As you can see this displays both the Acute Assessments and the Chronic Problems and identifies the diagnoses which are HCC and RxHCC, as well as those which are not, in this last case by the absence of a designation.

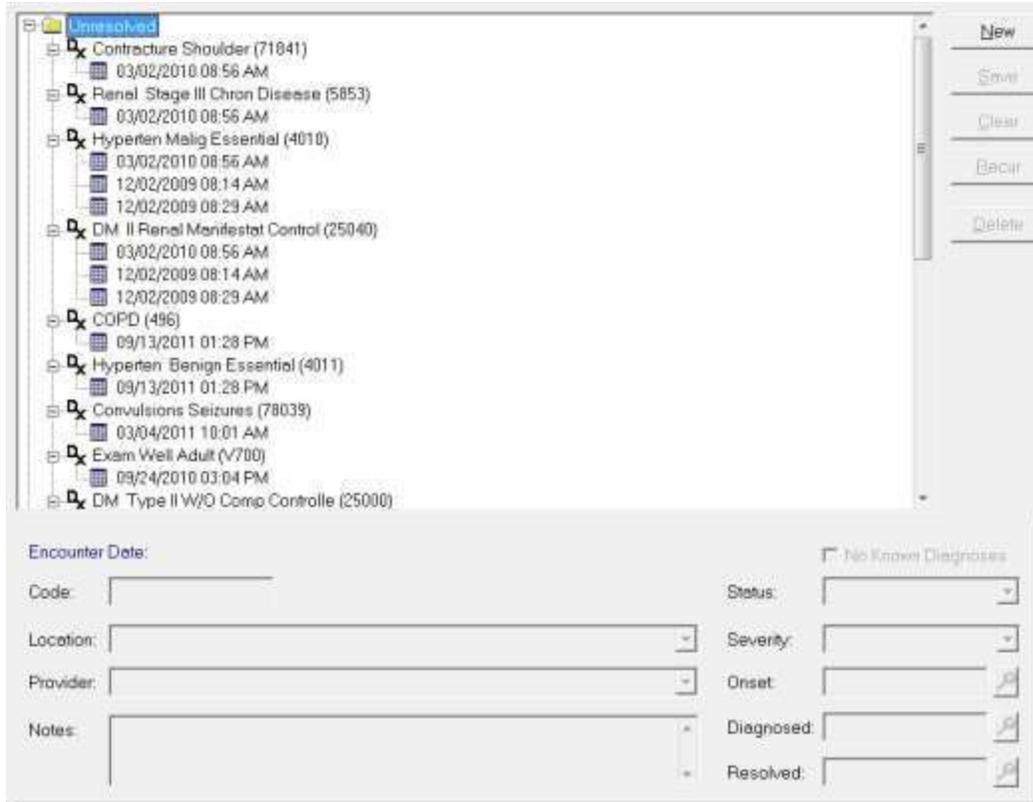
At the top of the pop-up which is launched by this step, which is entitled **“Copy Assessments to Problem List Module”**, you will read the following note:



In order to increase efficiency, I would recommend transferring only HCC and RxHCC diagnoses to the Problem List Module. Once you have done this, you can review the **Problem List Module** by clicking on the center icon at the right hand bottom of the Main Tool Bar. This is the icon which has a “scroll with Dx” in the center of it.

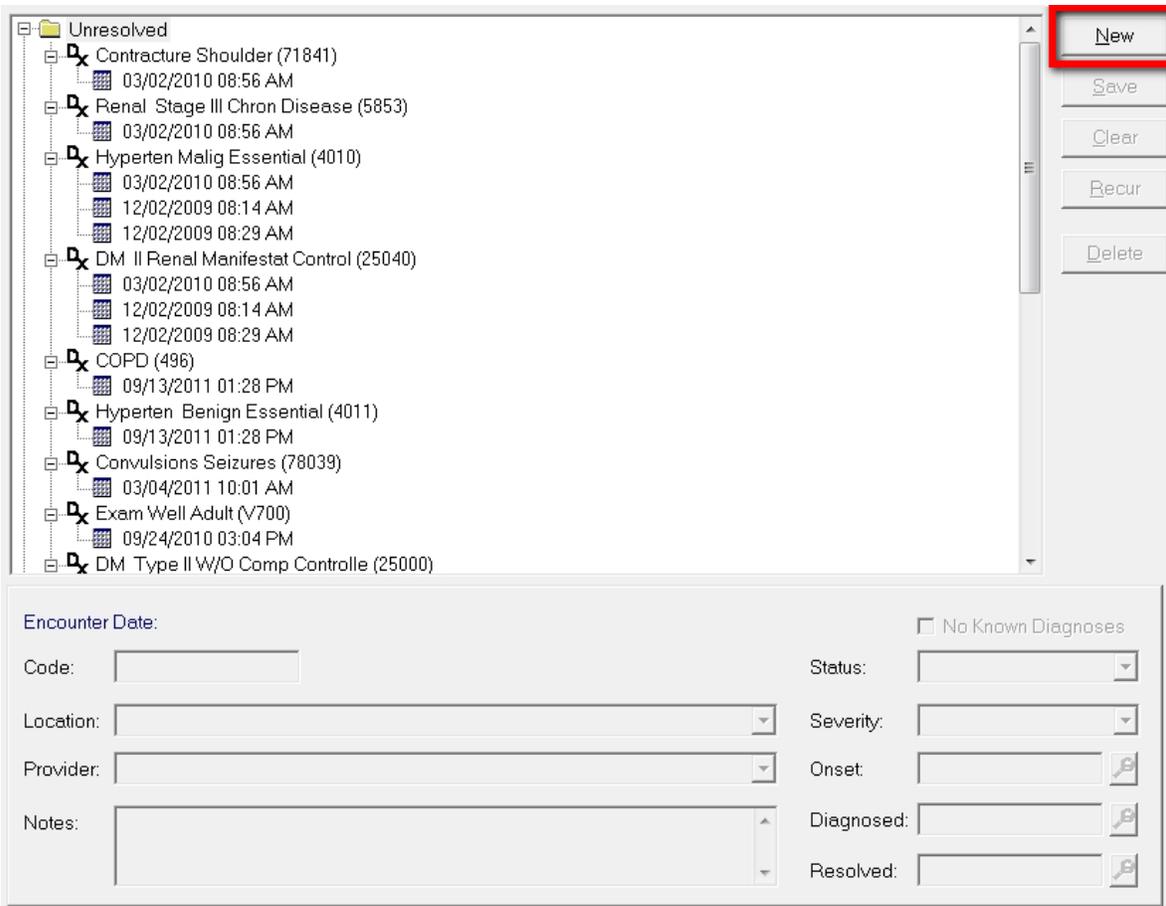


When you click on this icon, it will display your **Diagnostic Problem List**.



There are two categories on this list: unresolved and resolved. There are also five buttons to the right of the screen:

- **New** – this allows you to add a diagnosis as a new problem from this function but I recommend the custom solution SETMA has devised.
- **Save** – this makes your selection permanent
- **Clear** – this removes the status, severity, onset, diagnosed, resolved field at the bottom right of the Problem List template
- **Renew** – this is used to reactivate a problem from the “resolved” column to make it “unresolved” again
- **Delete** – this deletes a selected diagnosis from the Problem list.



Once you understand the function of the Problem List feature, you are ready to take the step of associating medications with the problem for which they were prescribed.

Click on the Medication Module icon, which is the bottom left icon of the nine icons at the bottom of the Main Tool Bar.



In the top window, you will see a list of the medications the patient is on. At the very bottom, you will see a window which is entitled “**Problem.**”

NextGen • Grid Preferences 52 year Old Female Weighing 225.00 lb | 102.06 Kg Not eligib

Last Audit	Status	Medication Name	Generic Name	Start Date	Stop Date	Sig
Status: Active (4 items)						
	Active	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/14/2010		q month
	Active	Lisinopril 10 mg Tab	LISINAPRIL	07/12/2010		Take 1 by mouth every morning
	Active	Motrin 800 mg Tab	IBUPROFEN			
	Active	Robitussin Cough-Congestion 30 mg...	GUAFENESIN(D)-METHORPHAN HB			per va
Status: Inactive (36 items)						
	Inactive		MISCELLANEOUS MEDICAL SUPPLY	05/02/2007	02/03/2009	
	Inactive	Actos 15 mg Tab	PIOGLETAZONE HCL	08/10/2009	04/12/2010	1 cap po qd
	Inactive	Albuterol Sulfate ER 8 mg 12 hr Tab	ALBUTEROL SULFATE	04/01/2009	03/02/2010	
	Inactive	Ambien 5 mg Tab	ZOLPIDEM TARTRATE	03/01/2010	04/12/2010	xx
	Inactive	Arthrotec 50 50 mg-200 mg Tab	DICLOFENAC SODIUM/MISCOPROSTOL	09/10/2008	02/03/2009	
	Inactive	ASA-acetaminophen-salicylate-caffei...	ASA/SALICYLAM/ACETAMINOPH/CAFF	04/23/2012	05/04/2012	take 1 tablet by oral route every 6 hours
	Inactive	Aspirin 81 81 mg Tab	ASPIRIN	04/12/2010		1 QHS per Dr Sotolongo
	Inactive	Azavea 1 % Eye Drope	AZITHROMYCIN	11/13/2008	02/03/2009	1 (X) qod
	Inactive	Azithromycin 500 mg IV Solution	AZITHROMYCIN	04/01/2009	12/02/2009	
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009	04/07/2009	q month
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009	11/07/2009	q month

Prescribe New | Print | Ex - | Renew - | Interactions - | Stop - | Education - | Dose Range - | Delete | Eligibility | Medication History

Boniva 150 mg Tab Encounter is Locked

Sig: q month Remove Sig

Quantity: 0 Units: Refills: 0 Dispense As Written Prescribed Elsewhere Site:

Start: 04/14/2010 Step: 12/17/2012 Duration:

Comments: *This field is for nonclinical comments to the pharmacist. Any additional clinical instructions for this prescription should be added using the "Additional Instructions" segment of the Sig Builder.* **Problem: Add** Reason:

Provider: Atz, Muhammad T MD
Location: Southeast Texas Medical Associates

Note: [Add Note...](#)

Formulary Data

Last Renewed: Times Renewed: Full History Dispense History [Additional Prescription Detail](#)

If the visit in which that medication was prescribed is not locked, just below “Problem” there will be an “Add” followed by an ellipsis (this is the three dots in a row, such as ...).

NextGen • Grid Preferences 52 year Old Female Weighing 225.00 lb | 102.06 Kg Not eligib

Last Audit	Status	Medication Name	Generic Name	Start Date	Stop Date	Sig
Status: Active (4 items)						
	Active	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/14/2010		q month
	Active	Lisinopril 10 mg Tab	LISINAPRIL	07/12/2010		Take 1 by mouth every morning
	Active	Motrin 800 mg Tab	IBUPROFEN			
	Active	Robitussin Cough-Congestion 30 mg...	GUAFENESIN(D)-METHORPHAN HB			per va
Status: Inactive (36 items)						
	Inactive		MISCELLANEOUS MEDICAL SUPPLY	05/02/2007	02/03/2009	
	Inactive	Actos 15 mg Tab	PIOGLETAZONE HCL	08/10/2009	04/12/2010	1 cap po qd
	Inactive	Albuterol Sulfate ER 8 mg 12 hr Tab	ALBUTEROL SULFATE	04/01/2009	03/02/2010	
	Inactive	Ambien 5 mg Tab	ZOLPIDEM TARTRATE	03/01/2010	04/12/2010	xx
	Inactive	Arthrotec 50 50 mg-200 mg Tab	DICLOFENAC SODIUM/MISCOPROSTOL	09/10/2008	02/03/2009	
	Inactive	ASA-acetaminophen-salicylate-caffei...	ASA/SALICYLAM/ACETAMINOPH/CAFF	04/23/2012	05/04/2012	take 1 tablet by oral route every 6 hours
	Inactive	Aspirin 81 81 mg Tab	ASPIRIN	04/12/2010		1 QHS per Dr Sotolongo
	Inactive	Azavea 1 % Eye Drope	AZITHROMYCIN	11/13/2008	02/03/2009	1 (X) qod
	Inactive	Azithromycin 500 mg IV Solution	AZITHROMYCIN	04/01/2009	12/02/2009	
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009	04/07/2009	q month
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009	11/07/2009	q month

Prescribe New | Print | Ex - | Renew - | Interactions - | Stop - | Education - | Dose Range - | Delete | Eligibility | Medication History

Boniva 150 mg Tab Encounter is Locked

Sig: q month Remove Sig

Quantity: 0 Units: Refills: 0 Dispense As Written Prescribed Elsewhere Site:

Start: 04/14/2010 Step: 12/17/2012 Duration:

Comments: *This field is for nonclinical comments to the pharmacist. Any additional clinical instructions for this prescription should be added using the "Additional Instructions" segment of the Sig Builder.* **Problem: Add...** Reason:

Provider: Atz, Muhammad T MD
Location: Southeast Texas Medical Associates

Note: [Add Note...](#)

Formulary Data

Last Renewed: Times Renewed: Full History Dispense History [Additional Prescription Detail](#)

If the ellipses is not present, click on the “Renew” medication button and the ellipses will appear.

The screenshot shows a medication list for a 52-year-old female. The list includes active and inactive medications. The 'Renew' button is highlighted with a red box. Below the list, the detailed view for 'Boniva 150 mg Tab' is shown, including fields for quantity, start/stop dates, duration, and provider information.

Click on the ellipses button and the patient’s problem list will appear to the left.

This screenshot shows the same medication management interface as above, but with the 'Patient Condition' window open on the left. The 'Renew' button remains highlighted. The patient's problem list is visible, including diagnoses like CHF Diastolic Ac, COPD, and Hypertension Benign.

Find the diagnosis which is being treated by this medication and double-click it. You may select more than one if you like. You will see that diagnosis appear in the Problem window.

The screenshot displays a medical software interface with two main panels. The left panel, titled 'Patient Condition', shows a list of diagnoses with columns for 'Diagnosis', 'Code', and 'Date'. The right panel shows a medication list with columns for 'Last Audit', 'Status', 'Medication Name', 'Generic Name', and 'Start Date'. Below the medication list, the details for 'Boniva 150 mg Tab' are shown, including quantity, start/stop dates, and a 'Problem' field highlighted with a red box. The 'Problem' field contains the text 'Convulsions Seizures (78039)' and 'COPO (496)'. The interface also includes a 'Prescribe New' button and various navigation options at the bottom.

Diagnosis	Code	Date
Unresolved		
CHF Diastolic Ac	42831	
Contracture Shou	71841	
Convulsions Seiz	78039	3/4/2011
COPO	496	5/13/2011
DM II Retard Ma	25040	
DM Type II W/O	25000	
DM Type II W/O	25002	
DM Pre-Diab Or	79029	
Exam Well Adult	V700	5/24/2010
Gastro Ulcer Acu	53100	
HHD/CKD Benig	40410	
Hyperten Benign	4011	5/13/2011

Last Audit	Status	Medication Name	Generic Name	Start Date
Status: Active (4 items)				
	Active	Boniva 150 mg Tab	IBANDRONATE SODIUM	12/17/2012
	Active	Lisinopril 50 mg Tab	LISINAPRIL	07/12/2010
	Active	Mobron 800 mg Tab	IBUPROFEN	
	Active	Rabbitsash Cough-Congestion 10 mg...	GUAFENESIN/D-METHORPHAN HB	
Status: Inactive (57 items)				
	Inactive		MISCELLANEOUS MEDICAL SUPPLY	05/02/2007
	Inactive	Acton 15 mg Tab	PIGLITAZONE HCL	08/30/2009
	Inactive	Albuterol Sulfate ER 8 mg 12 hr Tab	ALBUTEROL SULFATE	04/01/2009
	Inactive	Ambien 5 mg Tab	ZOLPIDEM TARTRATE	03/01/2010
	Inactive	Arthrotec 50 50 mg-200 mg Tab	DICLOFENAC SODIUM/MISOPROSTOL	09/20/2008
	Inactive	ASA-acetaminophen-salicylate-coffee...	ASA/SALICYLAM/ACETAMINOPH/CAFF	04/23/2012
	Inactive	Aspirin 81 mg Tab	ASPIRIN	
	Inactive	Azathioprine 1% Eye Drops	AZITHROMYCIN	11/13/2008
	Inactive	Azithromycin 500 mg IV Solution	AZITHROMYCIN	04/01/2009
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009
	Inactive	Boniva 150 mg Tab	IBANDRONATE SODIUM	04/01/2009

Medication	Onset	Comment
HYDROCODONE BIT	4/16/2010	VICODIN
LISINAPRIL	4/16/2010	LISINOPRIL
MEPERIDINE HCL	2/25/2009	DEMEROL
PRESERVATIVE FREE	2/25/2009	DEMEROL
PROPOXYPHENE NAPSYL	3/2/2010	DARVOIC
SULFALENE	3/5/2009	

Boniva 150 mg Tab
 Sig: q month [Remove Sig](#)
 Quantity: 0 Units Refills: 0 Dispense As Written [Accept](#)
 Start: 12/17/2012 Stop: 12/17/2012 Duration: 0
 Comments: *This field is for nonclinical comments to the pharmacist. Any additional clinical instructions for this prescription should be added using the 'Additional Instructions' segment of the Sig Editor.*
 Provider: Holly, James L MD
 Location: SETMA - IT
 Note: [Add Note](#)
 Formulary Data
 Last Renewed: 12/17/2012 Times Renewed: 1 [Full History](#) [DUE History](#) [Dispense History](#) [Additional Prescriptions](#)

We are able to report this information and with it completed in the EMR, it will make an audit on HCC and/or RxHCC, so far as the medications are concerned, a breeze.

HCC and RxHCC Code Coefficients

Definition: the HCC and RxHCC coefficients are a numerical designation by CMS of the relative value of a particular ICD-9 code. In general, when the coefficients are used for payment, a total of 2.0 or higher is where the greatest value is gained.

HCC and RxHCC code documentation and analysis are important for a number of reasons:

1. In Medicare Advantage programs, the patient care given become eligible for enhanced payments based on these scores. In that patients such as ESRD and Renal Dialysis are treated at a loss by the MA programs, a loss which can be several thousand dollars a month per patient, it is important to recover as much of that revenue as it possible, in order to make the programs viable.
2. In ACOs, risk stratification, such as HCC and RxHCC will be considered in the calculation of revenue savings.
3. In the CMS study in which SETMA recently participated, Fee-for-Service Medication beneficiaries cost-of-care calculations were made with risk adjustment by HCC and RxHCC.
4. The payment model for care coordination in the Medical Home Model of Care for FFS Medicare will be calculated on the basis of the standard of Medical Home achieved, i.e., Tier 1, 2 or 3, and whether or not the aggregate of the HCC and RxHCC coefficients total 2.0 or higher.

For an explanation of HCC and RxHCC consult SETMA's Tutorial at http://www.jameshollymd.com/Tutorial_HCC_RxHCC_Risk.cfm. (To review copy and paste this address into your internet explorer.)

The key to SETMA's success with HCC and RxHCC was the deployment of a robust ICD-9 Code List with HCC and RxHCC code status denoted in the code list. Recently, SETMA upgraded our code list with the IMO data base (www.e-imo.com). IMO has organized the 15,000 ICD-9 codes with multiple descriptions, creating a database of over 100,000 codes. IMO has also solved the ICD-10 code problem which has 150,000 codes and also has solved the problem of the SNOMED nomenclature. This means that many of the major problems facing healthcare problems are solved with a reasonably priced solution. Because of the number of ICD-9 code descriptions listed by IMO's product, when ICD-10 is adopted, SETMA providers will already be accustomed to searching through virtually the same number of codes making the transition very simple.

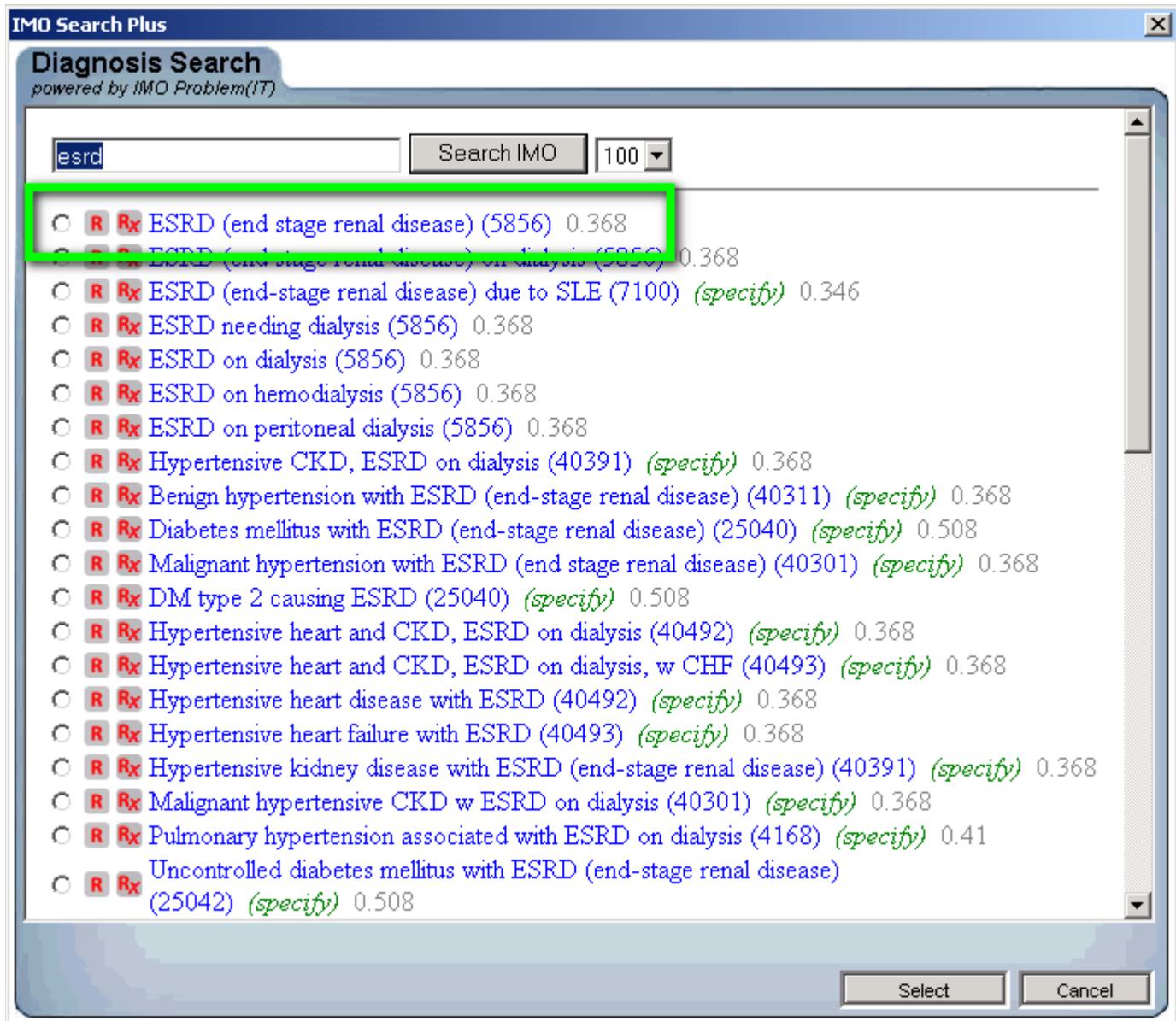
IMO Now Being Used

As will be seen below, SETMA's use of IMO allows us to do the following:

1. Identify all HCC and RxHCC codes, showing those codes which are HCC, RxHCC or both.
2. Identifying the coefficient value of each code, i.e., each HCC and each RxHCC is assigned a value which is represented by a number such as .3210.

When the IMO search engine is launched in the Assessment step of the documentation of a patient visit, the description of the diagnosis is typed in. The entire diagnosis is not required but only a key word or series of letters.

The ICD-9 Code is displayed. In front of the description is the denotation as to whether or not the diagnosis is an HCC and/or an RxHCC. Following the ICD-9 Code, there is another number which is the HCC and/or RxHCC coefficient. When all of the ICD-9 Codes' HCC coefficients are added together the aggregate HCC Code Coefficient is determined.



Upgrades to SETMA's HCC and RxHCC Solution

Two recent improvements have aided SETMA in improving our HCC and RxHCC compliance.

1. At the suggestion of Scott Anthony, CFNP, all ICD-9 Codes in a patient's chronic problem list, which are HCC or RxHCC are highlighted in "red."
 - a. As the code is assessed each year, making it eligible for payment by CMS, the ICD-9 code is turned to "black." This means that on January all ICD-9 Codes which are HCC or RxHCC will turn to "red," as none of them would have been assessed for the current year.
 - b. On December 31st, most and hopefully all of those codes will be "black" indicating that they have been assessed for the year.

2. With the deployment of IMO and the identification of the HCC and RxHCC coefficients, three numbers will now appear;
 - a. Summation of HCC and RxHCC coefficients for all valid diagnosis in the patient's **chronic problem list**
 - b. Summation of the HCC and RxHCC coefficients for all diagnoses in the **acute assessment for the current visit**
 - c. Summation of the HCC and RxHCC coefficients **which have not been assessed for the current calendar year.**

Examples of Real Patients

The following screen shots illustrate the deployment of the **red color** and the **three new numbers which result from the aggregation of HCC and/or RxHCC coefficients.**

Remember, all of these will not total to the same number. When two HCC codes, or two RxHCC codes are in the same Hierarchical Code Category (HCC), only the diagnosis with the highest coefficient will be counted toward the coefficient aggregation.

This means that the total codes available to be assessed by an evaluation of the ICD-9 codes in the chronic problem list, minus the codes assessed in the current visit, may not match the aggregate of the code coefficients which remain to be assessed. This is true for two reasons:

1. Some codes will have been assessed in previous visits.
2. All of the codes will not be paid by CMS because there be two or more codes in the same Hierarchical Code Category.

The following illustrate the above.

The following is the **Master GP template.** It illustrates that in the list of chronic conditions the HCC and RxHCC codes are noted. Also, there are functions for documenting that the codes have been assessed for the year.

In the right, lower corner the aggregate of the coefficients are totaled for:

1. Chronic Condition HCC
2. Chronic Condition RxHCC
3. Total for the two

[PDM](#) [NURSE](#) [HISTORIES](#) [HEALTH](#) [QUIZES](#) [HPI](#) [ROS](#) [P.E.](#) [X-RAY](#) [ASSESS](#) [PLAN](#) [PROCS](#)

Visit Type: Acute Facility: SETMA II Payor: Texan Plus Classic
 PCP: James Holly

Chief Complaints: [Comment](#)
 1 weakness
 2 COPD
 3 anxiety
 4
 5
 6

BP: 128 / 66
 Pulse Pressure: 62
 Temp:
 Pulse: 92.00
 Resp: 20
 Wt. lbs: 150.00
 BMI: 24.26
 Body Fat: 33.9
 BMR: 1516
 Cardiac Risk Ratio: 0.96

Fall Risk Assessment: 09/07/2011
 Functional Assessment: 09/07/2011
 Pain Assessment: 09/07/2011
 Stress Assessment: 09/19/2011
 Wellness Assessment: 09/19/2011

Clinic Performance Measures
 Alert
 Allergies
 Comments
 E-Mail Note
 Telephone
 Vitals/Time
 Nursing Home Patient

HCC Reviewed Today
 Last Reviewed: 09/19/2011

Chronic Condition HCC Score: 1.7530
 Chronic Condition RxHCC Score: 1.48
 Total Chronic HCC/RxHCC Score: 3.2330

Chronic Conditions	HCC	Rx	Last Evaluated	
1 Lipid HDL Deficiency Familial/		Y	09/20/2011	HPI-1,2
2 Spine, Backache NOS			///	
3 Hyperten Benign Essential		Y	03/31/2011	HPI-3,4
4 Lipid Hyperlipidemia NOS		Y	08/11/2011	
5 PVD Unspecified	Y	Y	03/31/2011	HPI-5,6
6 DM II Renal Manifestat Uncontr	Y	Y	03/31/2011	
7 Shoulder Rotator Cuff Frozen Shoul			08/24/2011	HPI-7,8
8 Anxiety and depression		Y	///	
9 COPD	Y	Y	03/31/2011	HPI-9,10
10 H/CKD Benign CKD 1-4 Or Unspe		Y	///	
11 Retina NPDR DM Nonpro Retinopath		Y	///	HPI-11,12
12 Renal Stage I Chron Disease		Y	08/11/2011	
13 Sodium Hyponatremia Hyposmolal			///	HPI-13,14
14 Osteoporosis Unspecified		Y	///	
15 Allergic Rhinitis NOS			08/11/2011	HPI-15,16
16 Monitor Insulin Long Term Curr	Y	Y	///	
17 Joint Pain Unspecified			///	HPI-17,18
18 Oxygen Therapy Long Term Use			///	
19 Monitor Steroids Long Term Cur			///	HPI-19,20
20 COUGH ON ACEI			///	
21 MI Acute NSTEMI 2011			///	
22 CAD to Cx Cardiac Angioplasty PTC.			///	
23 Intolerant to Ace Inhibitor			///	
24			///	
25			///	

[Home](#)
 Nursing
 Histories
 Health
 Lab Results
 Questionnaires
 HPI Chief
 System Review
 Physical Exam
 Radiology
 Assessment
 Hydration
 Nutrition
 Exercise
 Plan
 Procedures
Chart Note

HIPAA

The following is another example of the same template and shows the difference in the two patients.

PDM NURSE HISTORIES HEALTH QUIZES HPI NOS P.E. X-RAY ASSESS PLAN PROCS

Visit Type Facility Payor
 Check up SETMA II Texan Plus Classic

PCP John Vardiman

BP 104 92
 Pulse Pressure 12
 Temp
 Pulse 69.00
 Resp 18
 Wt. lbs 265.50
 BMI 39.31
 Body Fat 50.8
 BMR 2255
 Cardiac Risk Ratio 1.01

Chronic Conditions Re-Order HCC Rx Last Evaluated

	HCC	Rx	Last Evaluated	
1 COPD	Y	Y	//	HPI-1,2
2 Bipolar Disorder Unspecified	Y	Y	//	
3 Hyperten Benign Essential	Y	Y	05/18/2011	HPI-3,4
4 Neuro Multiple Sclerosis	Y	Y	//	
5 Tobacco Use History Of			//	HPI-5,6
6 Renal Stage I Chron Disease	Y	Y	//	
7 Lipid Hyperlipidemia NOS	Y	Y	//	HPI-7,8
8 Restless Leg Syndrome			//	
9 Neuropathy Peripheral Unsp(elbow)	Y	Y	//	HPI-9,10
10 Spine Backache NOS			//	
11 Pain Chronic Syndrome			//	HPI-11,12
12 Muscle Spasm			//	
13 OA Unsp Local Or Gen Knee			//	HPI-13,14
14 Aorta Aneurysm Unsp No Rupt	Y		//	
15 Metab Cardiometabolic Risk Syn			//	HPI-15,16
16 Anemia Unspecified			//	
17 Elev C-Reactive Protein			//	HPI-17,18
18 DM Impaired Fasting Glucose			//	
19 CAD Mid RCA distal CX Vesse			05/18/2011	HPI-19,20
20 Cardiac Angioplasty PTCA Stent			05/18/2011	
21			//	
22			//	
23			//	
24			//	
25			//	

Fall Risk Assessment 10/05/2011
 Functional Assessment 10/05/2011
 Pain Assessment 10/05/2011
 Stress Assessment 07/21/2011
 Wellness Assessment 07/21/2011

Clinic Performance Measures

Alert
 Allergies
 Comments
 E-Mail Note
 Telephone
 Vitals/Time
 Nursing Home Patient

HCC Reviewed Today
 Last Reviewed 02/10/2010

Chronic Condition HCC Score 2.3620
 Chronic Condition RxHCC Score 1.8400
 Total Chronic HCC/RxHCC Score 4.202

Home
 Nursing
 Histories
 Health
 Lab Results
 Questionnaires
 HPI Chief
 System Review
 Physical Exam
 Radiology
 Assessment
 Hydration
 Nutrition
 Exercise
 Plan
 Procedures
 Chart Note

HIPAA

The following template is from a real patient's **Assessment**. It shows the ICD-9 codes which are HCC and/or RxHCC Codes and which have not been assessed for the year in "red."

The box outlined in "green" shows three groups of numbers:

- From the Acute Assessment, the HCC and RxHCC aggregated coefficients are shown and then the two are totaled
- From the Chronic conditions, the HCC and RxHCC aggregated coefficients are shown and the two are totaled.
- From a review of all visits for the calendar year, the HCC and/or RxHCC aggregated coefficients which have not been assessed for the year are denoted.

With the use of IMO, when ICD-10 is deployed in 2014, all of these functions will work equally well.

**Medical Decision Making in Evaluation and Management Coding
& Contrasting E&M Codes with HCC/RxHCC Risk
By James L. Holly**

This study examines an implied relationship between **Evaluation and Management Codes** (E&M) and the **Hierarchical Code Categories** (HCC) which has two sections the HCC Risk and the RxHCC. The first is based on the diagnosis and is the result of the Center for Medicare and Medicaid's judgment that caring for a patient with a specific diagnosis is costlier. All ICD-9 diagnostic codes were organized into 189 categories of which 89 were chosen for additional reimbursement. Therefore, if a patient is actively being treated for a specific diagnosis, which is an HCC, a higher payment will be made. The RxHCC refers to the diagnosis but in regard to the pharmaceutical support required to care for a patient with a particular diagnosis. If a patient has an RxHCC code a higher payment will be made.

In general, there are more RxHCC diagnoses than HCC. Almost all HCC diagnoses are also RxHCC, but most RxHCC are not also HCC. The additional payment for HCC is significantly higher than for RxHCC, but because there are more RxHCC diagnoses, generally the greater total value to the practice will come from RxHCC. They should not be ignored. Initially, the HCC system only had value to Medicare Advantage programs but with the advent of Accountable Care Organizations, their value has spread. Ultimately, payments for Patient-Centered Medical Home will be based on a risk-adjusted evaluation of the practice's population of covered lives. The foundation of that risk adjustment will be the HCC program, making it valuable in Medicare Advantage, Accountable Care Organizations and in Patient-Centered Medical Home.

A detailed explanation of the HCC system is given at the following link:
http://www.jameshollymd.com/Tutorial_HCC_RxHCC_Risk.cfm

Evaluation and Management Codes

The most critical aspect of proper E&M coding is the determination by the provider of the **Complexity of Medical Decision Making**. There are four levels of this Decision Making. SETMA's deployment of the E&M Code Calculator, which was created by SETMA without reference to any previously or subsequently published calculator, incorporates all of the elements of E&M coding such as number of systems addressed in the ROS, in the Physical examination, Personal and Family history, disease management tools, etc.

At the following link: http://www.jameshollymd.com/Tutorial_E_and_M_Codes.cfm you will find SETMA's tutorial for the E&M code determination. This tutorial is also accessible from the Evaluation and Management Template which is deployed from the Plan Template.

Details of the proper selection of E&Ms are given there. Because Medical Decision

Making is such an important part of E&M coding, and because the HCC and RxHCC system establishes the relative risk of at the complexity of the care a patient requires, we will review the Medical Decision Making aspect of the E&M coding. There are four Medical Decision Making Categories associated with each of four E&M codes: **Straight Forward (99212)**, **Low Complexity (99213)**, **Moderate Complexity (99214)**, and **High Complexity (99215)**.

Medical Decision Making in the Selection of E&M Codes

The following are screen shots of SETMA's E&M tutorial referenced above. They give the details of Medical Decision Making. **There are two principles of E&M Coding which are inviolable:**

1. If you do not have a chief complaint, you do not have a visit with Medicare. The exceptions to this are the new wellness assessment which is being paid for by Medicare and the provision for the evaluation of two or more chronic conditions qualifying for a 99213 or 99214 visit.
2. The driver of the distinction between each of the four E&M codes is Medical Decision Making. The application of this principle is that if the Medical Decision Making is "straight forward," no matter how extensive a review of systems or physical examination you do, you cannot get to a 99214 or 99215 visits.

As a general concept, 99215 visits in a clinic will be a very low percentage of a clinic's E&M codes.

Straight Forward (99212)

The screenshot shows a structured medical visit example. It is titled "Example of 'Straight Forward' Office Visit" in blue text. Below the title, there are four sections, each with a bold heading and a list of items:

- Level of Risk**: Minimal
- Presenting Problem(s)**: 1. One self-limited or minor problem (e.g. cold, insect bite, tinea corporis)
- Diagnostic Procedures(s) Ordered**:
 1. Laboratory tests requiring venipuncture
 2. Chest X-Ray
 3. ECG/EGG
 4. Urinalysis
 5. Ultrasound(e.g. echocardiography)
 6. KOH prep
- Management Option(s)**:
 1. Rest
 2. Gargles
 3. Elastic bandages
 4. Superficial dressings

As you review the Medical Decision Making criteria for a 99213 visit, you will see that most visits in a multi-specialty clinic will result in virtually no 99212 visits. The step from 99212 and 99213 is very short. In addition, it is possible to begin seeing the correlation between HCC and E&M. If a patient has an HCC coefficient aggregate score above 0.75, they are certainly going to have at least one “stable chronic illnesses such as well-controlled hypertension, or diabetes,” etc. And, if either of those are not well-controlled, you quickly go in your management, with proper documentation from a 99213 to a 99214.

If any one of SETMA’s disease management tools is used effectively, the 99213 visit is reached and if two of them or used, the 99214 visit is reached. This requires that the tool be used effectively but it is an efficient process.

Low Complexity (99213)

Example of "Low Complexity" Office Visit

Level of Risk
Low

Presenting Problem(s)

1. Two or more self-limited or minor problems
2. One stable chronic illness (e.g. well-controlled hypertension, non-insulin dependent diabetes, cataract, BPH)
3. Acute uncomplicated illness or injury (e.g. cystitis, allergic rhinitis, simple sprain)

Diagnostic Procedures(s) Ordered

1. Physiologic tests not under stress(e.g. pulmonary function tests)
2. Non-cardiovascular imaging studies with contrast (e.g. barium enema)
3. Superficial needle biopsies
4. Clinical laboratory tests requiring arterial puncture.
5. Skin biopsies

Management Option(s)

1. Over-the-counter drugs
2. Minor surgery with no identified risk factors.
3. Physical therapy
4. Occupational therapy
5. I.V. fluids w/o additives

As stated, the step from a 99212 to a 99213 visit is very short. The step from a 99213 to a 99214 is slightly longer but still a relative short step. Again, relating E&M to the appropriate and necessary evaluation and treatment of a patient with multiple HCCs and/or RxHCCs diagnoses, which diagnoses result in a coefficient-aggregate score over 1.00, to the Medical Decision Making criteria for a 99214 visit, shows that patients with this level of risk will most often result in a visit with an E&M code of 99214.

It should be possible, therefore, to compare an individual provider’s E&M code distribution with the mean of his/her HCC coefficient aggregates. The higher the HCC coefficient aggregates the higher one should expect the E&M code distribution to be.

Reviewing the Complexity of Medical Decision Making for the 99214 visit below, it is seen that going from a 99213 to a 99214 involves the evaluation of two or more chronic conditions. Remember, all of this is dependent upon your having evaluated an adequate number of systems review and systems in physical examination. Whether you have or not will be told to you by SETMA's E&M Code calculator.

Moderate Complexity (99214)

Example of "Moderate Complexity" Office Visit

Level of Risk
Moderate

Presenting Problem(s)

1. One or more chronic illness or injury with mild exacerbation, progression, or side-effects of treatment
2. Two or more stable chronic illnesses.
3. Undiagnosed new problem with uncertain prognosis(e.g., head injury with brief loss of consciousness)

Diagnostic Procedures(s) Ordered

1. Physiologic tests under stress test.
2. Non-cardiovascular imaging studies with no identified risk factors
3. Deep needle or incisional biopsy
4. Cardiovascular imaging studies with contrast and no identified risk factors (e.g., arteriogram, cardiac catheterization)
5. Obtain fluid from body cavity (e.g. lumbar puncture, thoracentesis, culdocentesis)

Management Option(s)

1. Minor surgery with identified risk factors
2. Elective major surgery (open, percutaneous, or endoscopic) with no identified risk factors.
3. Prescription drug management
4. Therapeutic nuclear medicine
5. I.V. fluids with additives
6. Closed treatment of fracture or dislocation without manipulation)

Moving from 99212 to 99213 and from 99213 and 99214 in regard to Complexity of Medical Decision Making is relatively easy. Now, however, the step from a 99214 to a 99215 is a huge leap. It is possible to make this leap, as in the case of malignant hypertension with exacerbation, COPD with exacerbation, CHF with exacerbation, etc, but it will be rare.

High Complexity (99215)

Example of "High Complexity" Office Visit

Level of Risk

High

Presenting Problem(s)

1. One or more chronic illnesses with severe exacerbation, progression or side effects of treatment.
2. Acute or chronic illnesses or injuries that may pose a threat to life or bodily function (e.g., multiple trauma, acute MI, pulmonary embolus, severe respiratory distress, progressive severe rheumatoid arthritis, psychiatric illness with potential threat to self or others, peritonitis, acute renal failure)
3. An abrupt change in neurologic status (e.g., seizures, TIA, weakness, or sensory loss)

Diagnostic Procedures(s) Ordered

1. Cardiovascular imaging studies with contrast with identified risk factors
2. Cardiac electrophysiological tests
3. Diagnostic endoscopies with identified risk factors
4. Discography

Management Option(s)

1. Elective major surgery (open, percutaneous, or endoscopic) with identified risk factors.
2. Emergency major surgery (open, percutaneous, or endoscopic)
3. Parenteral controlled substances.
4. Drug therapy requiring intensive monitoring for toxicity
5. Decision not to resuscitate or to deescalate care because of poor prognosis.

HCC and E&M Correlations

Because SETMA's electronic patient record displays whether a diagnosis is an HCC, an RxHCC or both, and because our system aggregates the coefficients for all of the diagnoses which are documented in a patient's care, it is possible for a provider to know on each patient he/she treats:

1. The coefficient aggregate for the acute diagnoses documented for each visit.
2. The coefficient aggregate for the Chronic Diagnoses documented for each patient.
3. The coefficient aggregate which has not been evaluated on a patient for the current year.

The following tables contrast:

1. Medicare Fee-for-Service HCC/RxHCC coefficient aggregates with Medicare Advantage HCC/RxHCC aggregates
2. Medicare Fee-for-Service contrasted with Medicare Fee-for-Service E&M Code distribution by provider name.
3. All Payers HCC/RxHCC aggregates contrasted with E&M Codes

The following is a contrast between Medicare FFS and Medicare Advantage's Mean HCC/RxHCC coefficient aggregates and their standard deviations. It can be seen that Medicare FFS coefficient aggregates are significantly lower than the Medicare Advantage Coefficients.

The question is, “Is this because the populations are significantly different?,” or is it because we have not been as effective in capturing HCC/RxHCC for Medicare Fee-for-Service patients?. Now that SETMA is participating in an ACO, where patients are also risk stratified as to cost and revenue attributed to that group of patients, we need to make sure that we are being as effective in FFS as in MA.

Medicare FFS				Medicare Advantage			
Acute HCC/RxHCC Score		Chronic HCC/RxHCC Score		Acute HCC/RxHCC Score		Chronic HCC/RxHCC Score	
Average	Deviation	Average	Deviation	Average	Deviation	Average	Deviation
0.905	0.312	1.897	1.027	0.933	0.415	2.429	1.248
1.113	0.884	1.820	1.230	1.209	0.864	1.907	1.125
0.741	0.512	1.853	1.159	0.884	0.591	1.731	1.104
0.555	0.479	1.568	1.127	0.772	0.653	1.841	1.231
0.989	0.323	2.040	1.018	1.178	0.434	2.749	1.268
0.501	0.455	1.127	0.880	0.616	0.542	1.373	1.091
0.515	0.475	1.131	1.108	0.742	0.567	1.550	1.126
0.555	0.480	1.355	1.010	0.880	0.688	2.054	1.442
0.421	0.309	1.019	0.698	0.655	0.512	1.756	1.152
0.673	0.471	1.293	1.064	0.690	0.463	1.644	1.507
0.483	0.381	1.329	0.883	0.705	0.594	1.667	1.276
0.606	0.514	1.499	1.038	0.937	0.736	2.018	1.286
1.197	0.760	1.742	1.123	1.404	0.815	2.082	1.323
0.557	0.427	1.072	0.828	0.780	0.596	1.516	1.054
0.222	0.194	1.110	0.825	0.597	0.639	2.017	1.151
0.950	0.607	1.586	1.045	0.912	0.655	1.852	1.228
0.839	0.605	1.159	0.894	1.172	0.784	1.850	1.238
0.349	0.262	0.849	0.671	0.629	0.543	2.043	1.383
0.612	0.493	1.506	1.171	0.765	0.617	1.884	1.306
0.761	0.879	1.842	1.384	0.675	0.481	1.606	1.052
0.889	0.572	1.045	0.850	0.998	0.732	1.307	0.941
1.053	1.017	1.636	1.334	0.905	0.708	1.550	1.109
0.495	0.452	1.201	0.975	0.604	0.513	1.556	1.122
0.803	0.559	1.364	0.893	0.944	0.654	1.640	1.025

The next display is of Medicare Fee-for-Service coefficient aggregates both for acute diagnoses which have been evaluated at a visit and the chronic diagnoses which represent the patient’s problem list for which he/she is being treated. Later, this is contrasted with the E&M code distribution for each provider.

By implication, we think there is a correlation between the acute diagnoses’ HCC/RxHCC coefficient aggregate and the E&M code. The higher the HCC/RxHCC coefficient aggregate for the acute visit, the higher it is reasonable to expect the E&M coding to be, IF the documentation is present in the record related to two or more chronic conditions.

Acute HCC/RxHCC Score		Chronic HCC/RxHCC Score		Distribution of E&M Charges			
Average	Deviation	Average	Deviation	99212	99213	99214	99215
0.905	0.312	1.897	1.027	0.0	8.1	91.8	0.1
1.113	0.884	1.820	1.230	0.0	66.4	33.6	0.0
0.741	0.512	1.853	1.159	2.5	71.0	25.5	1.0
0.555	0.479	1.568	1.127	0.3	66.3	33.3	0.1
0.982	0.322	2.036	1.025	1.1	59.3	39.6	0.0
0.501	0.455	1.127	0.880	0.0	65.6	34.4	0.0
0.515	0.475	1.131	1.108	0.0	52.1	47.9	0.0
0.555	0.480	1.355	1.010	0.1	0.8	94.9	4.2
0.421	0.309	1.019	0.698	0.2	67.8	31.9	0.0
0.673	0.471	1.293	1.064	1.8	94.5	3.6	0.2
0.483	0.381	1.329	0.883	1.2	63.7	31.9	3.1
0.606	0.514	1.499	1.038	0.2	80.8	19.0	0.0
1.197	0.760	1.742	1.123	0.0	1.6	96.7	1.6
0.557	0.427	1.072	0.828	0.6	46.8	52.6	0.0
0.222	0.194	1.110	0.825	0.0	100.0	0.0	0.0
0.950	0.607	1.586	1.045	6.3	22.5	71.3	0.0
0.839	0.605	1.159	0.894	0.0	17.6	82.2	0.0
0.349	0.262	0.849	0.671	0.1	36.3	63.1	0.1
0.612	0.493	1.506	1.171	27.2	63.4	9.4	2.6
0.761	0.879	1.842	1.384	22.0	69.5	8.5	0.0
0.889	0.572	1.045	0.850	5.6	23.9	70.4	0.0
1.053	1.017	1.636	1.334	4.2	42.0	44.3	0.0
0.495	0.452	1.201	0.975	27.7	56.7	15.6	6.7
0.803	0.559	1.364	0.893	0.3	33.1	66.6	0.0

Service Dates 07-01-2011 to 06-30-2012, Medicare FFS Only

The following displays the HCC/RxHCC coefficient aggregates for all payers contrast with the distribution of E&M Codes. This is a good control on Medicare Fee-for-Service and Medicare Advantage.

Acute HCC/RxHCC Score		Chronic HCC/RxHCC Score		Distribution of E&M Charges			
Average	Deviation	Average	Deviation	99212	99213	99214	99215
0.872	0.351	1.834	1.096	0.3	10.4	89.1	0.1
1.047	0.858	1.709	1.183	1.8	69.2	28.9	0.0
0.785	0.544	1.773	1.142	3.8	50.3	44.7	1.2
0.605	0.551	1.548	1.181	0.8	63.2	35.9	0.0
0.999	0.373	2.032	1.104	0.5	66.8	32.7	0.0
0.216	0.120	0.686	0.665	0.1	0.8	13.8	85.2
0.461	0.450	0.998	0.936	0.1	62.8	37.2	0.0
0.480	0.460	1.038	1.055	3.2	64.5	32.3	0.0
0.584	0.536	1.353	1.125	0.4	1.3	86.8	11.5
0.427	0.375	1.077	0.937	1.9	71.8	26.4	0.0
0.682	0.479	1.327	1.072	3.7	91.8	4.4	0.1
0.511	0.452	1.285	1.030	1.5	66.0	29.1	3.4
0.622	0.566	1.455	1.118	1.7	83.5	14.8	0.0
1.350	0.857	2.009	1.322	0.2	2.2	97.1	0.5
0.521	0.438	0.971	0.822	5.2	55.0	39.8	0.0
0.267	0.302	1.108	0.908	4.7	91.4	3.9	0.0
0.893	0.622	1.543	1.079	6.6	26.2	67.2	0.0
0.877	0.685	1.285	1.104	0.9	23.5	75.5	0.0
0.355	0.284	0.866	0.745	1.5	45.7	52.5	0.3
0.612	0.543	1.389	1.215	34.2	57.9	8.0	0.0
0.666	0.790	1.565	1.379	31.1	61.1	7.8	0.0
0.878	0.644	1.087	0.903	11.2	24.6	62.8	1.3
0.965	0.914	1.525	1.196	8.5	49.0	32.6	9.9
0.489	0.451	1.178	0.979	29.0	56.4	14.4	0.2
0.762	0.577	1.281	0.952	0.7	45.2	54.1	0.0

Service Dates 07-01-2011 to 06-30-2012, All Payers

Summary:

The correlation between HCC/RxHCC coefficient aggregates is not proved and it is not supported by CMS policy. It is a new idea, which I think has benefit in our understanding of risk and reward.

Because HCC/RxHCC now has validity beyond Medicare Advantage, contrasting ACO, MA, and Medical Home populations – which in the future will probably become the same population – helps us make sure that our management of these patients is the same.