# **Outpatient Clinical Document Improvement** Jon Elion MD. FACC Clinical Associate Professor of Medicine, Brown University Founder and CEO, ChartWise Medical Systems jelion@chartwisemed.com ChartWise

# **Learning Objectives**

- At the completion of this program, the learner will be able to:
  - ✓ identify the five basic components common to all CDI programs
  - √ describe ways to leverage the similarities between inpatient and outpatient CDI to grow their CDI program
  - ✓ select an appropriate Key Performance Indicator (KPI) for measuring the quality of documentation in both the acute care (inpatient) and chronic care (outpatient) settings
  - ✓ describe the value of the Risk Adjustment Factor (RAF) in inpatient and outpatient CDI
  - √ identify metrics and reports valuable to monitor and improve CDI programs

## Jon Elion MD, FACC

Five Things to Know about Jon...



- 1. Medical Computing: Since 1969
- 2. Clinical: Duke-trained cardiologist
- 3. Academic: Clinical Associate Professor at Brown
- 4. Administration: Hospital Boards, **Foundation and Finance Committees**

Jon Elion, M.D., FACC 5. Commercial: Medical software since 1994. Now CEO of ChartWise Medical Systems (Computer-Assisted Clinical Documentation Improvement)

# It's All About Quality...

If you pursue reimbursement, you will miss the <u>High Quality Medical Record</u>

... but ...

If you pursue a <u>High Quality Medical Record</u>, the *proper* reimbursement will follow.

## ...Not Just About Reimbursement

Complete, accurate coded data essential for:

- √Improved quality of patient care
- ✓ Decision-making on healthcare policies
- ✓Optimizing resource utilization
- ✓ Measuring patient safety issues
- ✓ Identifying and reducing medical errors
- ✓Clinical research, epidemiological studies

Clinical Documentation is the cornerstone of accurate coding

# Find an MCC and move on...

### **Have You Heard This Before?**

### Outpatient CDI ≠ Inpatient CDI

- Different coding systems and billing (ICD-10 vs. CPT, HCPCS)
- Multiple outpatient settings (various clinics types, ED, etc.)
- Potentially different set of coders and coding requirements
- CDI activities are during inpatient stay, but before/after for outpatient visits
- · Annual requirements for outpatient
- Single outpatient episode may include several encounters (e.g., lab tests on Tuesday, physician visit on Thursday

# And Look at All These Stakeholders!

- E&M coding
- National Coverage Determination
- Local Coverage Determination
- CPT, PCPCS coding
- Emergency Department
- Physician office
- Denials management
- Patient safetyQuality
- Value-Based Purchasing
- Physician Quality Reporting System (PQRS)
- Medicare Access & CHIP Reauthorization Act (MACRA)

- · Imaging centers
- Merit-based Incentive Payment System (MIPS)
- Advanced Alternative Payment
   Advanced Alternative Payment
- Models (APMs)
- Ambulatory Payment Classification (APC)
- Ambulatory Surgery Centers
- Rehab (inpatient and outpatient)
- Home Health
- Urgent Care
- Hospital-affiliated clinics
- Diagnostic laboratory
- etc...

Goal: Quality Documentation							
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Criteria	Example/Description						
Legibility	Required under all government and regulatory agencies						
Reliability Treatment provided without documentation of condition being treated							
Precision No specific diagnosis documented, more specific diagnosis appears to be supported							
Completeness	Abnormal test results without documentation for clinical significance (Joint Commission requirement)						
Consistency Disagreement between two or more treating physicians without obvious resolution of the conflicting documentation upon discharge							
Clarity	Clarity Vague or ambiguous documentation						
Timeliness	Not completed within the guidelines set by the facility, CMS, state, Joint Commission, or other regulatory agencies						

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Basic CDI processes and software tools apply for both Inpatient and Outpatient CDI:

- 1. Find the patients of interest
- 2. Assist with the review process
- 3. Have appropriate and conformant queries
- 4. Track appropriate metrics and KPIs
- 5. Comprehensive reporting

# **Patients of Interest: Outpatient Census**

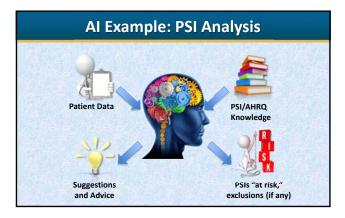
- Inpatient census is easily derived from HL7 ADT (Admission-Discharge-Transfer)
- Outpatient census can be derived from:
  - √ HL7 ADT (Admission, Discharge, Transfer)
  - ✓ HL7 SIU (Scheduling Information Unsolicited)
  - ✓ Custom interface to Practice Management systems
- Example: Show me a list of patients in Dr. Elion's Tuesday afternoon clinic in the East Greenwich location

# **Outpatient CDI Extends Inpatient CDI**

Basic CDI process and software tools apply for both Inpatient and Outpatient CDI:

- 1. Find the patients of interest
- 2. Assist with the review process

# 



# PSI Analysis: Sample of Rules PSI 02: Death Rate In Low-Mortality Diagnosis Related Groups (DRGs) Description: In-hospital deaths for low mortality (less than 0.5%) Diagnosis Related Groups (DRGs) among patients ages 18 years and older or obstetric patients. Excludes cases with trauma, cases with cancer, cases with an immunocompromised state, and transfers to an acute care facility. Include if all are true: Expired Age greater than 18 - OR - Preganarcy, Childbirth and the Puerperium diagnosis Low-mortality MS-DRG Exclude if any are true: Trauma Diagnosis Cancer diagnosis Immunocompromised state diagnosis Immunocompromised state procedure Transferred to an acute care facility

Basic CDI process and software tools apply for both Inpatient and Outpatient CDI:

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# **Outpatient CDI Query Focus**

 An existing condition that in this year has not yet been addressed, documented in the assessment and plan, or submitted with the correct code.

**Example:** Status post prostate cancer with prostatectomy; no assessment of status or plan for monitoring of PSA documented

### **Outpatient CDI Query Focus** 2. Two diagnoses that the provider hasn't connected. **Example:** 66 year old man, Type 1 Diabetes and polyneuropathy: ICD-10 E11.9 Diabetes without complications 19 G62.9 Polyneuropathy, unspecified Total (includes 0.300 demographics risk) Rule: If E11.9 and G62.9 but not E11.40, suggest a query for E11.40 ICD-10 Description E11.40 Diabetes with diabetic neuropathy

(includes 0.300 demographics risk)

0.618

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Total

## **Outpatient CDI Query Focus**

- A condition that is being addressed is not documented Example: A patient's problem list includes obesity. Height and weight are measured with a calculated BMI of 46 (ICD-10 code Z68.42). Weight loss discussed but is not documented.
- 4. Findings that suggest a possible diagnosis not yet documented Example: Incidental finding of calcified hilar node on chest x-ray that needs to be addressed and documented

## **Outpatient CDI Query Focus**

- 5. Compliance: documentation and coding of a condition or activity that has not been addressed in any way during the visit Example: Checking off boxes on a clinic note template regarding seat belt usage, sun screen and smoking cessation when the counseling was not done
- 6. Clinical validation: Make sure the basis for a diagnosis is present Example: Documentation and coding of coronary artery disease in a patient with Type 1 diabetes whose ECG shows only minimal inferior Q-waves

### **Clinical Validation**

- Challenging "Clinical Validation" has become a common reason for payers to deny payment.
- In addition to validating the condition was addressed during the encounter, the physician must document the basis for the diagnosis (show that the patient actual has the condition)
- Information in the chart must substantiate coded diagnoses
- There is no definitive list of criteria per diagnosis. A reasonable provider would agree based on widely-accepted diagnostic standards, clinical criteria and medical practice.
- The "opposite of CDI"?

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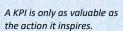
Basic CDI process and software tools apply for both Inpatient and Outpatient CDI:

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# **Key Performance Indicators**

A Key Performance Indicator ("KPI") is a measurable value that

demonstrates how effectively an organization is achieving key business objectives.





# **Key Performance Indicators**



- What specifically do you want to do?
- How will you know when you reached it?
- Is it in your power to accomplish it?
- How does it into the "big picture" goals?
- When exactly do you want it done?

# **Choosing the KPI**

- Based on Experience with Inpatient CDI:
  - ✓ Based on methodology for Medicare patients:
  - ✓ Focuses on acute conditions
  - ✓ DRG weight reflects documentation completeness (acute)
  - ✓ Also works for patients with private payers
- Suggested approach for Outpatient CDI:
  - ✓ Based on methodology for risk-based plans
  - √ Focuses on chronic conditions
  - ✓ RAF score reflects documentation completeness (chronic)
  - ✓ Also works for patients not on risk-based plans

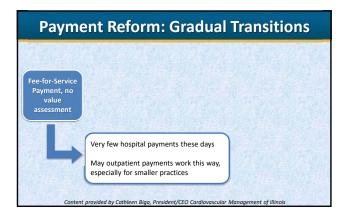
# **Choosing the KPI**

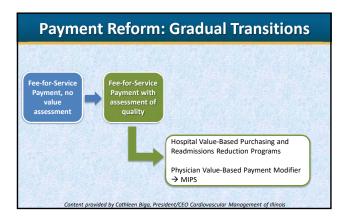
- Outpatient CDI based on RAF:
  - ✓ Outpatient visits coded/paid based on CPT and HCPCS codes
  - ✓ However, it is not clear what metric would assess CPT shifts; this may not be helpful of sufficient to measure CDI impact
  - ✓ RAF scores computed from ICD-10 (CDI staff are already trained on ICD-10, but not CPT or HCPCS)

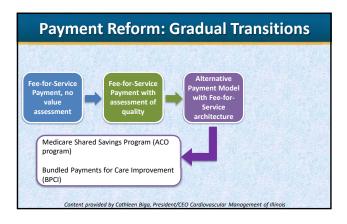
Why is "Risk Adjustment" such a big deal?

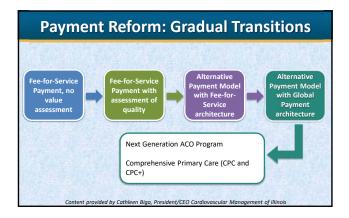
# Slow and complicated Improve quality and reduce costs HHS Goals by 2019: 40-50% of Medicare payments using alternative payment models 90% of remaining CMS FFS payments tied to value Private payers follow suit Content provided by Cathleen Biga, President/CEO Cardiovascular Management of Illinois

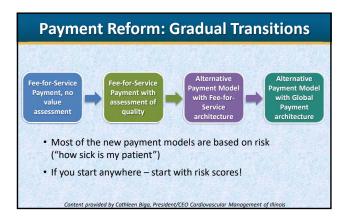
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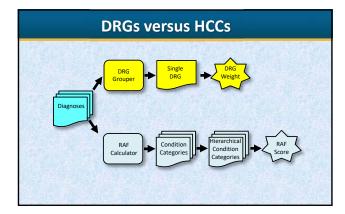






# **Risk Adjustment Model**

- CMS phased in the Medicare Advantage program (formerly "Medicare+Choice) between 2000 and 2007
- Reimbursement is based on both demographics and Hierarchical Condition Categories (HCCs)
- Risk adjustment allows payment for the risk of the beneficiaries enrolled, instead of an average amount for beneficiaries
- Risk scores measure a beneficiary's relative risk and then is used to adjust payments for the expected expenditures



HCC Specific Characteristics					
Characteristic	Descriptions				
Models are Additive	Individual risk scores are calculated by adding the coefficients associated with each beneficiary's demographic and disease factors.				
Prospective Model	Diagnostic information from base year predicts Medicare benefit costs for the following year.				
Site Neutral	Models do not distinguish payment based on a site of care.				
Diagnostic Sources	Models recognize diagnoses from inpatient, hospital outpatient, and physician settings.				
From Medicare Managed Care Manual, Chapter 7 – Risk Adjustment, Rev 118, 09-09-14					

HCC Specific Characteristics					
Characteristic	Descriptions				
Multiple Chronic Diseases Considered	Diagnoses assigned to disease groups, (Condition Categories or CCs). Most influenced by costs associated with chronic disease.				
Hierarchies	CCs are placed into hierarchies by severity and cost. Favors the disease with highest severity or that subsumes the costs of other diseases.				
Disease and Disabled Interactions	Higher risk scores for certain conditions when disease interactions demographic status (e.g., disabled), indicates higher costs.				
Demographic Variables	Five demographic factors: age, sex, disabled status, original reason for entitlement, Medicaid or low income status (total of 9 models)				
	From Medicare Managed Care Manual, Chapter 7 – Risk Adjustment, Rev 118, 09-09-14				

## **Hierarchical Condition Categories**

### CMS HCC (Medicare)

- Developed by CMS for risk adjustment of the Medicare Advantage Program
- CMS has also developed a CMS Rx HCC model for Medicare Part D risk adjustment
- Based on over 65 population

### **HHS HCC (Commercial)**

- Department of Health & Human Services (HHS) developed from commercial payer population
- HHS-HCCs predict the sum of the combined medical and drug spending
- Includes all ages

HHS RAF scores tend to be higher than CMS RAF scores, due to the inclusion of drug spending in the models

### **HCC Documentation Needs**

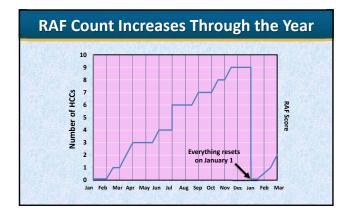
- · Based on a documented face-to-face encounter
- · Patients need to be seen at least annually.
- For each condition, document Monitoring, Evaluation, Assessment or Treatment (M.E.A.T)
- Conditions should be documented to the highest level of certainty and specificity at each encounter
- All confirmed conditions should be integrated into the documentation. Include significance of abnormal findings

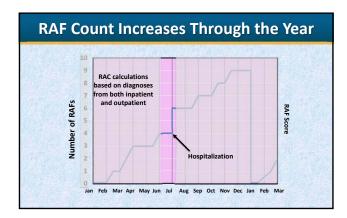
## **Provider Documentation for HCCs**

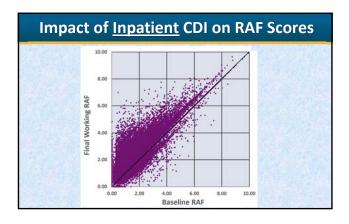
HCCs represent chronic conditions, so:

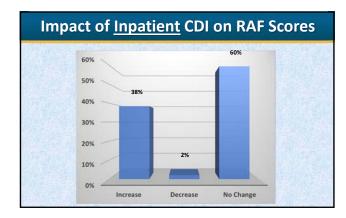
- diagnoses must be identified during a face-to-face encounter
- diagnoses must appear on the Problem List for that patient
- lab, x-rays, procedures and medications should al be appropriate for the diagnoses
- documented History for the condition should be present. For example, current treatment for a patient with breast cancer.
- physical examination should be specific for the diagnoses. For example, heart and lung exam for a patient with CHF.

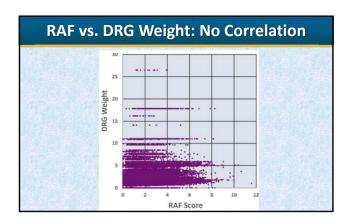
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HCC	Description	Percent
85	Congestive Heart Failure	10.46%
84	Cardio-Respiratory Failure and Shock	8.58%
111	Chronic Obstructive Pulmonary Disease	8.30%
135	Acute Renal Failure	8.12%
2	Septicemia, Sepsis, SIRS/Shock	7.10%
96	Specified Heart Arrhythmias	6.64%
19	Diabetes without Complication	5.65%
21	Protein-Calorie Malnutrition	5.11%
22	Morbid Obesity	3.40%
18	Diabetes with Chronic Complications	3.00%
114	Aspiration and Specified Bacterial Pneumonias	2.52%
108	Vascular Disease	1.93%
48	Coagulation Defects & Other Specified Hematological Disorders	1.81%
86	Acute Myocardial Infarction	1.57%
33	Intestinal Obstruction/Perforation	1.39%
79	Seizure Disorders and Convulsions	1.12%
8	Metastatic Cancer and Acute Leukemia	0.96%
23	Other Significant Endocrine and Metabolic Disorders	0.95%
170	Hip Fracture/Dislocation	0.95%
47	Disorders of Immunity	0.86%

HCC	Description	Percent
167	Major Head Injury	0.16%
99	Cerebral Hemorrhage	0.15%
34	Chronic Pancreatitis	0.13%
88	Angina Pectoris	0.12%
75	M. Gravis/Myoneural Disorders, Inflammatory & Toxic Neuropathy	0.11%
74	Cerebral Palsy	0.11%
1	HIV/AIDS	0.11%
72	Spinal Cord Disorders/Injuries	0.11%
173	Traumatic Amputations and Complications	0.09%
29	Chronic Hepatitis	0.08%
186	Major Organ Transplant or Replacement Status	0.05%
83	Respiratory Arrest	0.05%
104	Monoplegia, Other Paralytic Syndromes	0.04%
76	Muscular Dystrophy	0.02%
73	ALS and & Other Motor Neuron Disease	0.02%
162	Severe Skin Burn or Condition	0.01%
110	Cystic Fibrosis	0.01%
166	Severe Head Injury	0.01%
122	Proliferative Diabetic Retinopathy and Vitreous Hemorrhage	0.00%
124	Exudative Macular Degeneration	0.00%

### **Top 25 Diagnoses Driving Large RAF Shifts** Myelodysplastic syndrome Secondary malignant neoplasms • Pressure ulcers stage 3-4, unstageable • Malignant neoplasm of large intestine • Malignant neoplasm of pancreas • Schizophrenia Immunodeficiency • Myasthenia gravis and other myopathies Gastrostomy status Multiple myeloma • Parkinson's disease Acquired hemolytic anemia Abdominal aortic aneurysm Gangrene Multiple sclerosis Colostomy status • Long term (current) use of systemic Malignant neoplasm of prostate steroids Malignant (primary) neoplasm • Peripheral vascular disease Secondary polycythemia Coronary angioplasty status • Quadriplegia, paraplegia

# **Stamp Out Unspecified Codes!**

- Current ICD-10-CM code set has 94,127 diagnostic codes
- Of those, 9,057 (9.6%) are "unspecified," such as:
  - ✓ C81.9 Hodgkin lymphoma, unspecified (there are 63 more specific codes)
  - ✓ E10.40 Type 1 diabetes mellitus w/ diabetic neuropathy, unspec'd (there are 5 more specific codes)
  - ✓ I21.9 Acute MI, unspecified (there are 12 more specific codes)

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### **Sample Report: RAF Impact** Current RAF Avg 2.81 RAF % Change 34.8% 2.07 0.37 0.68 0.66 34,4% 37,9% 32,8% 2.77 1.81 2.49 February 2017 2.76 2.52 2.84 2.78 2.64 2.94 April 2017 May 2017 June 2017 2.06 1.94 2.08 0.45 22.0% 0.90 46.4% July 2017 August 2017 September 2017 October 2017 1.71 2.26 0.93 54.2% 30.4% 2.09 2.08 2.87 2.72 0.78 0.64 37.5% 30.8% November 2017 December 2017 3.04 2.78 33.3% 2.28 0.76 2.90 January 2018 2.05 0.85 41.5% February 2018

Visit Date	Account Number	CDS	Baseline RAF	Working RAF	CDI RAF
11/30/2017	879949	MORRIS, LILLIAN	4.201	6.402	2.201
11/30/2017	1100058	MARTINEZ, IRENE	3.569	4.106	0.537
11/30/2017	6899242	MARTINEZ, IRENE	2.783	3.872	1.089
11/30/2017	5201563	MORRIS, LILLIAN	2.904	3.402	0.498
11/30/2017	9235178	MARTINEZ, IRENE	2.308	2.108	(0.200)
11/30/2017	6312456	MORRIS, LILLIAN	3.104	3.457	0.353
10/24/2017	3578925	TAYLOR, AMANDA	2.907	2.804	(0.103)
10/14/2017	8334589	TAYLOR, AMANDA	1.084	2.456	1.372
10/13/2017	1631564	MORRIS, LILLIAN	2.891	3.206	0.315
10/13/2017	2815371	PEREZ, DORIS	1.905	2.465	0.560
10/12/2017	6780260	THOMPSON, NORMA	2.074	3.527	1.453

# **Outpatient CDI: Start with Inpatient**

- First look to achieve a solid inpatient CDI program because:
  - ✓ Inpatient CDI is well-defined, focused, and has known content and workflows. This is where a new Clinical Documentation Specialist (CDS) and a new CDI program should begin.
  - ✓ Inpatient CDI is a great place to become familiar with chart reviews, the structure and flow of queries, and the use of metrics.
  - $\checkmark$  Get familiar with HCCs and RAF scores in the inpatient setting
  - ✓ If properly designed, the same CDI software tool can be used both in the Inpatient and in the Outpatient setting; inpatient is the best place to get familiar with it.
- Stamp out the "unspecified" codes!

## **Outpatient CDI: Next Steps**

- Recognize the areas where Outpatient CDI can help be helpful.
   Shift the focus from the acute to chronic conditions
- Recognize the limitations of issues that may not be directly impacted by CDI (Local Coverage Determination, Physician Evaluation & Management coding, etc.)
- Develop strict definitions of exactly what you want to accomplish and what problem(s) you are trying to solve using Outpatient CDI.
- · Start with a narrow focus

## **Outpatient CDI: Next Steps**

- Determine in which clinics and setting to start.
- Define the metrics to be used to guide the process. A KPI should be a measurable value that demonstrates how effectively an organization is achieving key business objectives, and is only as valuable as the action it inspires.
- Identify staffing considerations, and be prepared to be flexible with this. Workflows and hands-on needs for staffing an Outpatient CDI program are evolving.

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