

Improving Diagnostic Accuracy – Measure Inventory

STRUCTURE		People	Tasks	Technologies and Tools	Organizational Characteristics	Physical Environment	External Environment
Measure	Description						
The Ability for Providers with HIT to Receive Laboratory Data Electronically Directly into their ONC-Certified EHR System as Discrete Searchable Data Elements	Documents the extent to which a provider uses an Office of the National Coordinator for Health Information Technology (ONC) certified electronic health record (EHR) system that incorporates an electronic data interchange with one or more laboratories allowing for direct electronic transmission of laboratory data in the EHR as discrete searchable data elements. This measure applies to all outpatient departments associated with the facility that bill under the Outpatient Prospective Payment System (OPPS). This may include the emergency department (ED), the outpatient imaging department, the outpatient surgery department, and the facility's clinics.			x			

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PROCESS		Patient Engagement	Information gathering/diagnostic evaluation	Information interpretation/hypothesis generation	Information integration/hypothesis confirmation and revision	Communication of the diagnosis to the patient	Quality improvement and learning activities
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Child and Adolescent Major Depressive Disorder: Diagnostic Evaluation	Percentage of patients aged 6 - 17 years with a diagnosis of major depressive disorder with documented evidence that they met the DSM-IV criteria [at least 5 elements with symptom duration of two weeks or longer, including 1) depressed mood (can be irritable mood in children and adolescents) or 2) loss of interest or pleasure] during the visit in which the new diagnosis or recurrent episode was identified	x	x				
Diabetic Foot & Ankle Care, Peripheral Neuropathy – Neurological Evaluation	Percentage of patients aged 18 years and older with a diagnosis of diabetes mellitus who had a neurological examination of their lower extremities within 12 months		x		x		
Diabetic Retinopathy: Documentation of Presence or Absence of Macular Edema and Level of Severity of Retinopathy	Percentage of patients 18 years and older with a diagnosis of diabetic retinopathy who had a dilated macular or fundus exam performed which included documentation of the level of severity of retinopathy and the presence or absence of macular edema during one or more office visits within 12 months		x	x			
Diabetic Retinopathy: Communication with the Physician Managing Ongoing Diabetes Care	Percentage of patients 18 years and older with a diagnosis of diabetic retinopathy who had a dilated macular or fundus exam performed with documented communication to the physician who manages the ongoing care of the patient with diabetes mellitus regarding the findings of the macular or fundus exam at least once within 12 months			x			

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Emergency Medicine: 12-Lead Electrocardiogram Performed for Non-Traumatic Chest Pain	Percentage of patients aged 40 years and older with an emergency department discharge diagnosis of non-traumatic chest pain who had a 12-lead electrocardiogram (ECG) performed		x				
COPD: Spirometry Evaluation	Percentage of patients aged 18 years and older with a diagnosis of COPD who had spirometry results documented		x				
Performing cystoscopy at the time of hysterectomy for pelvic organ prolapse to detect lower urinary tract injury	Performing cystoscopy at the time of hysterectomy for pelvic organ prolapse to detect lower urinary tract injury		x				
Rheumatoid Arthritis: Tuberculosis Screening (Recommended for eMeasure Trial Approval)	Percentage of patients 18 years and older with a diagnosis of rheumatoid arthritis who have documentation of a tuberculosis (TB) screening performed within 12 months prior to receiving a first course of therapy using a biologic disease-modifying anti-rheumatic drug (DMARD).		x				
Appropriate work up prior to endometrial ablation procedure	To ensure that all women have endometrial sampling performed before undergoing an endometrial ablation.		x				
Barrett's Esophagus	Percentage of patients with esophageal biopsy reports for Barrett's esophagus that contain a statement about dysplasia and if present the grade of dysplasia.		x	x			

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Radical Prostatectomy Pathology Reporting	Percentage of radical prostatectomy pathology reports that include the pT category, the pN category, the Gleason score and a statement about margin status.		x				
Colorectal Cancer Resection Pathology Reporting- pT category (primary tumor) and pN category (regional lymph nodes) with histologic grade	Percentage of colon and rectum cancer resection pathology reports that include the pT category (primary tumor), the pN category (regional lymph nodes) and the histologic grade		x				
Febrile Neutropenia Risk Assessment Prior to Chemotherapy	Percentage of patients with a solid malignant tumor or lymphoma who had a febrile neutropenia (FN) risk assessment completed and documented in the medical record prior to the first cycle of intravenous chemotherapy		x				
Hematology: Chronic Lymphocytic Leukemia (CLL): Baseline Flow Cytometry	Percentage of patients aged 18 years and older, seen within a 12 month reporting period, with a diagnosis of chronic lymphocytic leukemia (CLL) made at any time during or prior to the reporting period who had baseline flow cytometry studies performed and documented in the chart		x				
Procedures and Tests	Percentage of patients transferred to another healthcare facility whose medical record documentation indicated that procedure and test information was communicated to the receiving FACILITY within 60 minutes of departure			x			

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Diagnostic Imaging: Inappropriate Use of “Probably Benign” Assessment Category in Screening Mammograms	Percentage of final reports for screening mammograms that are classified as “probably benign”			x	x		
Oncology: Cancer Stage Documented	Percentage of patients, regardless of age, with a diagnosis of cancer who are seen in the ambulatory setting who have a baseline AJCC cancer stage or documentation that the cancer is metastatic in the medical record at least once during the 12 month reporting period			x	x		
Persistent Indicators of Dementia without a Diagnosis—Long Stay	Percentage of nursing home residents age 65+ with persistent indicators of dementia and no diagnosis of dementia.			x	x		
Persistent Indicators of Dementia without a Diagnosis—Short Stay	Number of adult patients 65 and older who are included in the denominator (i.e., have persistent signs and symptoms of dementia) and who do not have a diagnosis of dementia on any MDS assessment.			x	x		
Recording of Clinical Stage Prior to Surgery for Lung Cancer or Esophageal Cancer Resection	Percentage of surgical patients aged 18 years and older undergoing resection for lung or esophageal cancer who had clinical staging provided prior to surgery			x			

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Transition Record with Specified Elements Received by Discharged Patients	Percentage of patients, regardless of age, discharged from an emergency department (ED) to ambulatory care or home health care, or their caregiver(s), who received a transition record at the time of ED discharge including, at a minimum, all of the specified elements			x		x	
Ultrasound determination of pregnancy location for pregnant patients with abdominal pain	Percentage of pregnant patients who present to the ED with a chief complaint of abdominal pain and or vaginal bleeding who receive a trans-abdominal or trans-vaginal ultrasound.			x	x		
Head CT or MRI Scan Results for Acute Ischemic Stroke or Hemorrhagic Stroke Patients who Received Head CT or MRI Scan Interpretation within 45 minutes of ED Arrival	This measure calculates the percentage of acute ischemic stroke or hemorrhagic stroke patients who arrive at the emergency department within two hours of the onset of symptoms and have a head computed tomography or magnetic resonance imaging scan interpreted within 45 minutes of ED arrival.				x		
Mammography Follow-Up Rates	This measure calculates the percentage of patients with mammography screening studies that are followed by a diagnostic mammography , ultrasound or Magnetic Resonance Imaging (MRI) of the breast in an outpatient or office setting within 45 days.		x	x			

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Primary Open-Angle Glaucoma (POAG): Optic Nerve Evaluation	Percentage of patients aged 18 years and older with a diagnosis of primary open-angle glaucoma(POAG) who have an optic nerve head evaluation during one or more office visits within 12 months		x	x			
Age-Related Macular Degeneration (AMD): Dilated Macular Examination	Percentage of patients aged 50 years and older with a diagnosis of age-related macular degeneration (AMD) who had a dilated macular examination performed which included documentation of the presence or absence of macular thickening or hemorrhage AND the level of macular degeneration severity during one or more office visits within 12 months		x	x			
Osteoporosis: Communication with the Physician Managing On-going Care Post-Fracture of Hip, Spine or Distal Radius for Men and Women Aged 50 Years and Older	Percentage of patients aged 50 years and older treated for a hip, spine or distal radial fracture with documentation of communication with the physician managing the patient's on-going care that a fracture occurred and that the patient was or should be tested or treated for osteoporosis		x	x			
Appropriate Testing for Children with Pharyngitis	Percentage of children 2-18 years of age who were diagnosed with pharyngitis, ordered an antibiotic and received a group A streptococcus (strep) test for the episode.		x				

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Colorectal Cancer Resection Pathology Reporting: pT Category (Primary Tumor) and pN Category (Regional Lymph Nodes) with Histologic Grade	Percentage of colon and rectum cancer resection pathology reports that include the pT category (primary tumor), the pN category (regional lymph nodes) and the histologic grade		x	x			
Preoperative Diagnosis of Breast Cancer	The percent of patients undergoing breast cancer operations who obtained the diagnosis of breast cancer preoperatively by a minimally invasive biopsy method		x	x			
Optimizing Patient Exposure to Ionizing Radiation: Utilization of a Standardized Nomenclature for Computed Tomography (CT) Imaging Description	Percentage of computed tomography (CT) imaging reports for all patients, regardless of age, with the imaging study named according to a standardized nomenclature and the standardized nomenclature is used in institution's computer systems		x				
Chronic graft versus host disease (cGVHD)	This measure is used to assess the percentage of patients diagnosed with chronic graft versus host disease (cGVHD) with diagnosis confirmed with at least 1 diagnostic manifestation OR 1 distinctive manifestation with confirmation by pertinent biopsy, lab tests or radiology in the same or different organ.		x	x			

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Non-Hodgkin lymphoma	This measure is used to assess the percent of patients with lymphoma whose initial lymphoma diagnosis was established (or confirmed) using specified criteria.		x	x			
Distal symmetric polyneuropathy (DSP)	This measure is used to assess the percentage of patients age 18 years and older with a diagnosis of distal symmetric polyneuropathy (DSP) who had screening tests for diabetes reviewed, requested or ordered when seen for an initial evaluation for DSP		x				
Quantitative Immunohistochemical (IHC) Evaluation of Human Epidermal Growth Factor Receptor 2 Testing (HER2) for Breast Cancer Patients	This is a measure based on whether quantitative evaluation of Human Epidermal Growth Factor Receptor 2 Testing (HER2) by immunohistochemistry (IHC) uses the system recommended in the ASCO/CAP Guidelines for Human Epidermal Growth Factor Receptor 2 Testing in breast cancer			x			
Oncology: Cancer Stage Documented	Percentage of patients, regardless of age, with a diagnosis of cancer who are seen in the ambulatory setting who have a baseline American Joint Committee on Cancer (AJCC) cancer stage or documentation that the cancer is metastatic in the medical record at least once during the 12 month reporting period			x			

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Lung Cancer Reporting (Biopsy/Cytology Specimens)	Pathology reports based on biopsy and/or cytology specimens with a diagnosis of primary nonsmall cell lung cancer classified into specific histologic type or classified as NSCLC-NOS with an explanation included in the pathology report.			x			
Lung Cancer Reporting (Resection Specimens)	Pathology reports based on resection specimens with a diagnosis of primary lung carcinoma that include the pT category, pN category and for non-small cell lung cancer, histologic type.			x			
Melanoma Reporting	Pathology reports for primary malignant cutaneous melanoma that include the pT category and a statement on thickness and ulceration and for pT1, mitotic rate.			x			
Referral for Otologic Evaluation for Patients with Acute or Chronic Dizziness	Percentage of patients aged birth and older referred to a physician (preferably a physician specially trained in disorders of the ear) for an otologic evaluation subsequent to an audiologic evaluation after presenting with acute or chronic dizziness				x		
Biopsy Follow-Up	Percentage of new patients whose biopsy results have been reviewed and communicated to the primary care/referring physician and patient by the performing physician				x		

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Communication of changes in patient care	This measure is used to determine the percentage of healthcare professionals who affirm that in their unit or area information affecting a patient's diagnosis is always communicated clearly and rapidly to all professionals involved in the care of that patient.				x		
Parkinson's disease	This measure is used to assess the percentage of patients with a diagnosis of Parkinson's disease who had their Parkinson's disease diagnosis reviewed, including a review of current medication and a review for the presence of atypical features (e.g., falls at presentation and early in the disease course, poor response to levodopa, symmetry at onset, rapid progression [to Hoehn and Yahr stage 3 in 3 years], lack of tremor, or dysautonomia) at least annually.				x		
Diagnosis awareness: adults aged 65 years and older with dementias	Persons aged 65 years and over diagnosed with Alzheimer's disease or other type of dementia (as specified in the Denominator), or their caregiver, who are aware of the diagnosis					x	
Non-melanoma Skin Cancer (NMSC): Biopsy Reporting Time - Pathologist	Length of time taken from when a biopsy is performed to when a patient is notified by the biopsying physician that he or she has cutaneous basal or squamous cell carcinoma (including in situ disease). This measure evaluates the reporting time between the biopsying clinician and patient.					x	

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OUTCOME		Intermediate Outcome	Patient Outcomes	Patient Experience	System Outcomes
Measure Name	Description				
Failure to Rescue In-Hospital Mortality (risk adjusted)	Percentage of patients who died with documented or undocumented complications in the hospital		x		
Failure to Rescue 30-Day Mortality (risk adjusted)	Percentage of patients who died with documented or undocumented complications within 30 days from admission		x		
HCAHPS	HCAHPS is a 32-item survey instrument that produces 11 publicly reported measures: 7 multi-item measures (communication with doctors, communication with nurses, responsiveness of hospital staff, pain control, communication about medicines, discharge information and care transition); and 4 single-item measures (cleanliness of the hospital environment, quietness of the hospital environment, overall rating of the hospital, and recommendation of hospital)			x	
Diagnosed diabetes: adults with diabetes	Percent of adults aged 20 years and older with diabetes whose condition has been diagnosed	x			
Late HIV diagnosis: persons 13+ years	Percent of new HIV infections diagnosed before progression to AIDS among persons aged 13 years and over	x			
von Willebrand Disease diagnosis: women	Percent of women with von Willebrand Disease diagnosis, enrolled in UDC, who were diagnosed within one year after experiencing their first bleed	x			
Epilepsy: percentage of children diagnosed with epilepsy, who still had that diagnosis at 1 year.	This measure is used to assess the percentage of children diagnosed with epilepsy, who still had that diagnosis at 1 year.	x			
Diagnosis awareness: adults aged 65 years and older with dementias	Persons aged 65 years and over diagnosed with Alzheimer's disease or other type of dementia (as specified in the Denominator), or their caregiver, who are aware of the diagnosis			x	