



# ICD REGISTRY MEDICATION ABSTRACTION **REFERENCE GUIDE**

Use this guide to ensure correct  
medication abstraction and  
documentation for the ICD Registry™



Clinical Toolkits™

## ICD MEDICATION METRIC DESCRIPTIONS (DEFINITION, INCLUSION AND EXCLUSION CRITERIA)\*

Measure	#	Numerator/Denominator	Inclusion Criteria	Exclusion Criteria
<b>Proportion of patients with left ventricular systolic dysfunction who were prescribed ACE-I or ARB therapy</b>	4	Count of implantable cardioverter defibrillator (ICD) implant patients with a diagnosis of heart failure and left ventricular systolic dysfunction (LVSD) with angiotensin-converting-enzyme inhibitor (ACE-I) or angiotensin receptor blocker (ARB) therapy prescribed at discharge _____ Count of ICD implant patients with LVSD (LVEF <40%)	ICD implant patients with a diagnosis of LVSD	Both ACE-I and/or ARB therapy contraindicated and/or blinded
<b>Proportion of patients with prior myocardial infarction (MI) prescribed beta-blocker therapy on discharge</b>	5	Count of ICD implant patients with prior MI and discharged on beta-blocker therapy _____ ICD patients with a prior MI	ICD implant patients with prior MI	Beta-blocker therapy contraindicated and/or blinded
<b>Proportion of patients with LVSD who were prescribed beta-blocker therapy on discharge</b>	6	Count of ICD implant patients with a diagnosis of LVSD prescribed beta blocker therapy on discharge _____ Count of ICD implant patients with LVSD (LVEF <40%)	ICD implant patients with a diagnosis of LVSD	Beta blocker therapy contraindicated and/or blinded
<b>Composite: Discharge medications (ACE/ARB and beta blockers) in eligible ICD implant patients</b>	14	Patients who receive all medications for which they are eligible: 1. ACE/ARB prescribed at discharge (if eligible for ACE/ARB as described in denominator) AND 2. Beta blockers prescribed at discharge (if eligible for beta blockers as described in denominator) _____ All patients with an ICD implant surviving hospitalization who are eligible to receive any one of the two medication classes: 1. Eligibility for ACE/ARB: Patients who have an ejection fraction (EF) of <40% AND do not have a documented contraindication to ACE/ARB documented OR 2. Eligibility for beta blockers: Patients who do not have a documented contraindication to beta blocker therapy and have: a. EF of <40% AND/OR b. A previous MI	ICD implant patients eligible for beta blocker or ACE/ARB	Eligible for neither medication

## OTHER CODING CONSIDERATIONS FOR ICD MEDICATION AT TIME OF DISCHARGE

Topic	Consideration
<b>Reasons for not prescribing ACE-I or ARB</b>	<p>Documentation of a reason for not prescribing one class (either ACE-I or ARB) should be considered implicit documentation of a reason for not prescribing the other class for the following five conditions only:</p> <ul style="list-style-type: none"> <li>· Angioedema</li> <li>· Hyperkalemia</li> <li>· Hypotension</li> <li>· Renal artery stenosis</li> <li>· Worsening renal function/renal disease/dysfunction</li> </ul>
	<small>ICD v2.1 Medication FAQs: FAQ IDs 18199, 18200</small>
<b>Contraindications without reason</b>	<p>If a medication is contraindicated, and the prescribing practitioner documents that the medication is contraindicated in the medical record, he/she does not have to indicate the reason. The contraindication must be located in the current episode of care medical record. If a non-transient contraindication (i.e., allergy) is found in the medical record from a prior episode of care, the contraindication is acceptable to abstract.</p> <p>Allergy to ACE-I not sufficient to code contraindication to ARB</p>
	<small>ICD v2.1 Medication FAQs: FAQ IDs 18199, 18200</small>
<b>Coding Sotalol as beta blocker</b>	<p>For the purposes of the ICD Registry, capture Sotalol by coding "yes" for antiarrhythmic agent and beta blocker.</p>
	<small>ICD v2.1 Medication FAQs: FAQ IDs 18440</small>
<b>Automatic contraindications</b>	<p>The scenarios below are the only ones in which the ICD Registry will allow an automatic contraindication coded without this documentation by the prescribing practitioner in the current medical record:</p> <ol style="list-style-type: none"> <li>1. If the abstractor finds the patient is a current dialysis patient, contraindicated may be coded</li> <li>2. If it is found in the electronic health record from a previous record that the patient is in end stage renal failure but not yet on dialysis, contraindicated may be coded</li> <li>3. Moderate to severe aortic stenosis</li> </ol>
	<small>ICD v2.1 Medication FAQs: FAQ IDs 18199, 18200</small>

\*Source: NCDR® Public Reporting Companion Guide, ICD Measures

Note: As source documents are updated, new versions of this tool will be available.