



## Adapted IHI Trigger Tool for Measuring Antidiabetic Related Adverse Drug Events

### Antidiabetic – Patient Record Review Sheet

Patient Name / Identification #: \_\_\_\_\_ / \_\_\_\_\_ Patient's Age: \_\_\_\_\_

Admission Date: \_\_\_\_\_ Discharge Date: \_\_\_\_\_

#### Antidiabetics Administered:

- |  |                                      |  |  |
|--|--------------------------------------|--|--|
| <input type="checkbox"/> Insulin       | <input type="checkbox"/> Glyburide   | <input type="checkbox"/> Semaglutide   | <input type="checkbox"/> Canagliflozin |
| <input type="checkbox"/> Metformin     | <input type="checkbox"/> Repaglinide | <input type="checkbox"/> Dulaglutide   | <input type="checkbox"/> Empagliflozin |
| <input type="checkbox"/> Rosiglitazone | <input type="checkbox"/> Nateglinide | <input type="checkbox"/> Sitagliptin   | <input type="checkbox"/> Remogliflozin |
| <input type="checkbox"/> Pioglitazone  | <input type="checkbox"/> Acarbose    | <input type="checkbox"/> Saxagliptin   | <input type="checkbox"/> Other: _____  |
| <input type="checkbox"/> Glipizide     | <input type="checkbox"/> Exenatide   | <input type="checkbox"/> Linagliptin   |  |
| <input type="checkbox"/> Glimepiride   | <input type="checkbox"/> Liraglutide | <input type="checkbox"/> Dapagliflozin |  |
- Not an exhaustive list. Work with pharmacist to add all antidiabetic medications.

Antidiabetic Related Adverse Drug Event Triggers			
Trigger Code	Clue/Symptom/Lab Test	Trigger Code	Clue/Symptom/Lab Test
AD1	Rash/Itching/Diphenhydramine Administered	AD8	Sweating/Tremors/Tachycardia/Confusion/Drowsiness/Agitated Behavior/Seizure/Coma
AD4	Anaphylactic Reaction	AD9	Fall
AD5	Nausea/Vomiting/Antiemetic Administered	AD11	Emergent Glucagon Administration
AD6	Diarrhea	AD12	Abrupt Cessation of Medication
AD7	Hypoglycemia/Serum Glucose <50	AD13	Transfer to Higher Level of Care
Other	Not an exhaustive List. Add others and adjust table as needed.		

Triggers Found (Code)	ADE Found?		Harm Category**	Description of ADE	Anticoagulant Administered
	Yes	No			

Total ADEs for this patient:

Total number of doses of medications for this patient (if available):

\*\*Harm Category (adapted from NCC MERP Index):

- Category A-D: Did not cause harm
- Category E: Temporary harm to the patient and required intervention
- Category F: Temporary harm to the patient and required initial or prolonged hospitalization
- Category G: Permanent patient harm
- Category H: Intervention required to sustain life
- Category I: Patient's death

References: IHI Trigger Tool for Measuring ADEs ([www.ihl.org](http://www.ihl.org)) and NCC MERP Index for Categorizing Medication Errors (<https://www.nccmerp.org>)  
The effectiveness of this tool is dependent upon a quality medication reconciliation being performed at admission.