

# 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   | <small>Not an exhaustive list. Work with pharmacist to add all antidiabetic medications.</small> |
| <input type="checkbox"/> Glimepiride   | <input type="checkbox"/> Liraglutide | <input type="checkbox"/> Dapagliflozin |  |

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
<i>Other</i>	<i>Not an exhaustive List. Add others and adjust table as needed.</i>		

Triggers Found (Code)	ADE Found?		Harm Category**	Description of ADE	Anticoagulant Administered
	Yes	No			
<b>Total ADEs for this patient:</b>					
<b>Total number of doses of medications for this patient (if available):</b>					

\*\*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.ihio.org](http://www.ihio.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.*

This resource is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of an award totaling \$640,000 with 0% financed with non-governmental sources. The contents are those of the author(s) and do not necessarily represent the official view of, nor an endorsement, by HRSA, HHS or the U.S. Government. For more information, please visit [HRSA.gov](http://HRSA.gov).