**Technology Description Template**

**Technology assessments**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Information System (IS) Type** | **System Name** | **System Type** | **CDS-Related**  **Functionality** | **Measure** | **Severity** | **Information Types (Coding System)** | **Users** | **Notes** |
| ***Example:*** *Clinical*  *Records & Patient Management* | *Smoking cessation Clinical Decision Support Tool (CDS)* | *Inpatient EHR and computerized patient order entry (CPOE)* | *Reminders* | Select one or more     * Information Safety: Right Information Presented to End User * Workflow Safety: Time in the Workflow * Right Delivery Channel Safety: Right Channel (Device) for Delivery * Intervention Format Safety: Right Intervention Format (Interaction) * Patient Safety Accuracy: Patient (Individual or Population) Outcomes * Process/Organizational Safety: Process or Organizational Outcomes (Avoided or Incurred) | None  Low  Medium  High  Critical | *Diagnosis information (ICD-10)*  *Order Information (CPT)*  *Lab results (LOINC)* | *Nurses, Doctors* |  |
|  |  |  |  |  |  |  |  |  |

**NOTE:** The CDS Technology Description Template is a companion document to the CDS user requirements template. The document is targeted for use by *clinical application teams and clinicians*. Readers are expected to have at least basic knowledge about the clinical process and the use of CDS interventions in the VA, but they are not expected to be experts in research or informatics, although the document can be useful to these populations as well.

This template will guide the user in collecting the necessary information to understand the technology to be used along with the CDS tool. It will guide the data collection process. Specifically, it will document the technology in use, and capture the safety concerns with associated severity ratings.

**Severity Rating Scale**

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| --- | --- | --- |
| **Severity Rating** | **Description** | **Priority** |
| 0 | Not a usability problem | None |
| 1 | Cosmetic - No need to fix unless extra time is available | Low |
| 2 | Minor—Annoying issue with minor impact | Medium |
| 3 | Major—Important to fix. Issues with major impact in use or during training or both. Consider the numbers and kinds of users affected | High |
| 4 | Catastrophic—. Severe issue that must be corrected, especially issues related to patient safety. Imperative to fix this before product can be released (if in development) | Critical |

Adapted from: (Georgsson, Staggers, & Weir, 2016; Nielsen & Mack, 1994)