# **Inpatient CDS/QI Worksheet** (Essential Version)

* This tool can help document and analyze current approaches to specific quality improvement targets and plan enhancements.
* It is part of the Resources for Improving Care with Clinical Decision Support that provides guidance on using CDS to achieve quality improvement goals. [Placeholder link to HealthIT.gov]

Instructions for using this worksheet

Quality improvement efforts should be based on evidence-based guidelines related to the target.  The EHR vendor, REC, specialty society, [guidelines.gov](http://guidelines.gov) and other resources can help identify these guidelines and ensure that order sets, documentation templates, flowsheets, and other QI tools support implementation.

**Step 1**: Document the target and think about pertinent information flows and workflows (see next page).

Step 2: Think about major activities that influence performance on the target at each care flow step. Document these on the subsequent pages. After listing these activities, think about and document potential enhancements.

Step 3: Review all entries and summarize them in the table below the flowchart on the next page.

Provided By:

The National Learning Consortium (NLC)

Developed By:

Clinical Decision Support for Meaningful Use (CDS4MU)

*The material in this document was developed by Clinical Decision Support for Meaningful Use (CDS4MU) Project sponsored by ONC to support Regional Extension Centers and providers to implement Quality Improvement initiatives. The material stemmed from work of the* [*CDS/PI Collaborative*](https://sites.google.com/site/cdsforpiimperativespublic/) *(supported by the* [*California Healthcare Foundation*](http://www.chcf.org/)*), which builds, in turn, on the* [*HIMSS CDS Guidebook Series*](http://www.himss.org/Index.aspx)*. The information in this document is not intended to serve as legal advice nor should it substitute for legal counsel. Users are encouraged to seek additional detailed technical guidance to supplement the information contained within.*

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| **Target** |  |
| --- | --- |
| **Current Performance on Target** |  |

**Inpatient  Essential Workflow Illustration 
Patient-specific Activities include: Pre-Hospitalization/Not Admission-related. Emergency Department/Registration; History/Assessment/Documentation; Care Planning/Patient Education/Shared Decisions; Ordering; Care Plan Execution/Monitoring; Discharge/Transfer; and Post-discharge. Population-oriented Activities include Outside Encounters [Population management]
**CDS/QI Approach Summary

| **Heading** | **Pre-Hospitalization/ Not Admission- related** | **Emergency Department/ Registration** | **History/ Assessment/ Documentation** | **Care Planning/ Patient Education/ Shared Decisions** | **Ordering** | **Care Plan Execution/ Monitoring** | **Discharge/ Transfer** | **Post-Discharge** | **Outside Encounters****[Population management]** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Current**  **Information flow** |  |  |  |  |  |  |  |  |  |
| **Potential Enhancements** |  |  |  |  |  |  |  |  |  |

### Section 1: Activities that occur with specific patients (note: population management activities, e.g. Registry use, belong in Section 2)

*These activities occur when the patient is not in the hospital (see below for post-discharge)*

| house | Pre-Hospitalization/ Not Admission- related | Description: When patient is at home - either with or without a new hospitalization planned. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

*These activities occur in the hospital:*

| picture of emergency department | Emergency Department/ Registration | Description: When patient is physically in Emergency Department and/or being registered for inpatient admission. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

| tablet | History/ Assessment/ Documentation | Description: Clinician data gathering from and about patient, and formulating assessments and diagnoses based on this information. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

| care planninng picture | **Care Planning/ Patient Education/ Shared Decisions** | Description: Reviewing assessment with patient/family and jointly forming care plans, including educating patient/family about diagnosis and treatment. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

| Male Doctor Checking in on a Patient in a Hospital | **Ordering** | Description: Provider orders for tests, medications, procedures, etc. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

| Monitoring picture | **Care Plan Execution/ Monitoring** | Description: Carrying out and monitoring the treatment plan including: pharmacy medication verification and dispensing and nursing administration; respiratory and other therapy administration and procedures; inpatient consultations; and monitoring patient status and test results. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

| patient in a wheelchair | **Discharge/ Transfer** | Description: Discharging patient to home or transfer to another inpatient unit or facility. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

*These activities occur after a patient leaves the hospital:*

| picture of a house | **Post-Discharge** | Description: Patient and hospital activities that occur after hospital discharge. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |

### Section 2: Activities that relate to population management

| group photo | **Outside Encounters** | Description: Hospital activities directed broadly across patient populations outside of individual hospitalizations. |
| --- | --- | --- |
| Current  Information flow |  |
| Potential Enhancements |  |