

**CommonSpirit Health Pharmacy Enterprise**  
**Clinical Intervention Update SBAR**

**Situation:** Legacy CHI and Legacy Dignity markets and electronic health records (EHRs) have differing processes and definitions for collecting clinical pharmacy interventions.

**Background:** Within CommonSpirit Health there have been at least 4 different clinical intervention systems each with their own list of categories and definitions for reporting pharmacy department clinical activities. These include the Dignity Cerner interventions forms, the Pacific Northwest and Midwest Epic events, the Texas and Tennessee Epic events, and the CHI TheraDoc Clinical Activity panel. A team of clinical pharmacy leaders across all 4 intervention systems was formed to define a CommonSpirit Health Pharmacy Enterprise list of clinical pharmacy activities. This list was approved by CommonSpirit Health System Clinical Pharmacy Team (SCrPT) and Pharmacy Enterprise Executive Council (PEEC).

**Assessment:** There is a need to collect and report clinical pharmacy activities (clinical interventions) across the CommonSpirit Health Pharmacy Enterprise via a national clinical pharmacy dashboard.

**Recommendation/Plan:** All CommonSpirit facilities will record clinical activities using the same list, and exports of the clinical activities will be combined from all EHRs to form a CommonSpirit Health Pharmacy Enterprise Clinical Activities Dashboard. On **May 24th, 2022** the new clinical interventions will be made available in Dignity Cerner, Pacific Northwest, Midwest, and South Epic instances, and the National TheraDoc instance. A list of the CommonSpirit Health Pharmacy Enterprise Clinical Pharmacy Interventions is attached on the following pages along with some of the major changes from previous lists. Please reach out to your local clinical pharmacy leadership with questions.

List of Major Changes in Clinical Intervention Reporting

**1) Interventions will be grouped into 14 intervention types**

|                                |                             |
|--------------------------------|-----------------------------|
| Ambulatory Care                | Med Rec/Transition of Care  |
| Anticoagulation                | Medication Related Problems |
| Antimicrobial Stewardship      | Opioid Stewardship          |
| Chemotherapy & Infusion Center | Pharmacy Consult/Protocol   |
| Drug Information               | Regulatory Review           |
| ED Pharmacy Service            |                             |
| Emergency Management           |                             |
| Formulary Management           |                             |
| IV to PO                       |                             |

- 2) **Specific Clinical Activities will be listed under each of these 14 intervention types. See the full list attached with this document.**
  
- 3) **Clinical Activities specific to Major vs Minor ADE prevention have been removed as separate reportable activities. Instead each system will have a separate field or process for highlighting clinical activities that avoided serious harm.**
  - a) Example: A pharmacist who intervenes on a potentially life threatening drug-drug interaction will record the intervention using a Medication Related Problem > Drug Interaction Problem Resolved intervention and then select the “Significance” field in the i-vent to note this intervention had a Serious level of significance.
  
- 4) **Clinical Interventions for specific medications such as IV to PO conversions or Clinical Initiatives have been removed and replaced with a more generic intervention that can be used for any drug.**
  - a) Example: IV to PO Conversions can be recorded as IV to PO>”IV to PO Conversion completed”, or IV to PO>”IV to PO Reviewed but criteria not met”.
  - b) Example: Clinical Initiative or Formulary selection will be recorded using one of the available Intervention Types:
    - i) Non-Formulary Reviewed & Alternative Ordered (for conversion to formulary med)
    - ii) Non-Formulary Reviewed & Approved (for when NF use meets criteria)
    - iii) Restriction Criteria Reviewed & Alternative Ordered (for conversion to an appropriate alternative)
    - iv) Restriction Criteria Reviewed & Approved (for when use meets criteria)
  - c) Dollar Savings from these formulary interventions will be captured in our pharmacy spend data
  - d) These 4 intervention types can be found in the Antimicrobial Stewardship, Formulary Management, and Opioid Stewardship groups.

CSH FY23 Clinical Intervention List by Group:

| <b>Group</b>    | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|-----------------|---|---------------------|-------------|
| Ambulatory Care | Added Drug Therapy                                    | 153                 | 5           |
| Ambulatory Care | Discontinue Therapy                                   | 60                  | 5           |
| Ambulatory Care | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Ambulatory Care | Drug Optimization                                     | 153                 | 5           |
| Ambulatory Care | Immunization Ordered                                  | 102                 | 3           |
| Ambulatory Care | Lab Test Ordered                                      | 234                 | 3           |
| Ambulatory Care | Med Rec - Outpatient                                  | 234                 | 15          |
| Ambulatory Care | Medication Assistance Enrollment                      | 0                   | 20          |
| Ambulatory Care | Medication History Obtained                           | 642                 | 20          |
| Ambulatory Care | Monitor Drug Therapy                                  | 234                 | 5           |
| Ambulatory Care | Patient Education                                     | 631                 | 15          |
| Ambulatory Care | Post Discharge Follow-up & Education                  | 631                 | 15          |
| Ambulatory Care | Prescription Coordination                             | 0                   | 5           |

| <b>Group</b>    | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|-----------------|---|---------------------|-------------|
| Anticoagulation | Added Drug Therapy                                    | 153                 | 5           |
| Anticoagulation | Discontinue Therapy                                   | 60                  | 5           |
| Anticoagulation | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Anticoagulation | Drug Optimization                                     | 153                 | 5           |
| Anticoagulation | Lab Test Ordered                                      | 234                 | 3           |
| Anticoagulation | Monitor Drug Therapy                                  | 234                 | 5           |
| Anticoagulation | Patient Education                                     | 631                 | 15          |

| <b>Group</b>              | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|---------------------------|---|---------------------|-------------|
| Antimicrobial Stewardship | Allergy De-labeling/Clarification                     | 0                   | 10          |
| Antimicrobial Stewardship | Antibiotic Desensitization                            | 0                   | 15          |
| Antimicrobial Stewardship | Antibiotic Timeout Review                             | 0                   | 5           |
| Antimicrobial Stewardship | Discontinue Therapy                                   | 60                  | 5           |
| Antimicrobial Stewardship | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Antimicrobial Stewardship | Drug Optimization                                     | 387                 | 5           |
| Antimicrobial Stewardship | Drug Optimization - Broaden Coverage                  | 387                 | 5           |
| Antimicrobial Stewardship | Drug Optimization - Narrow Therapy                    | 60                  | 5           |
| Antimicrobial Stewardship | ID Consult Obtained                                   | 0                   | 5           |
| Antimicrobial Stewardship | Isolation Precautions Coordinated                     | 0                   | 5           |
| Antimicrobial Stewardship | Lab Test Ordered                                      | 234                 | 3           |
| Antimicrobial Stewardship | Monitor Drug Therapy                                  | 234                 | 5           |
| Antimicrobial Stewardship | Non-Formulary Reviewed & Alternative Ordered          | 373                 | 5           |
| Antimicrobial Stewardship | Non-Formulary Reviewed & Approved                     | 0                   | 5           |
| Antimicrobial Stewardship | Penicillin Allergy Skin Testing                       | 215                 | 60          |
| Antimicrobial Stewardship | Prescription Coordination                             | 0                   | 5           |
| Antimicrobial Stewardship | Restriction Criteria Reviewed & Alternative Ordered   | 373                 | 5           |
| Antimicrobial Stewardship | Restriction Criteria Reviewed & Approved              | 0                   | 5           |

| <b>Group</b>                   | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|--------------------------------|---|---------------------|-------------|
| Chemotherapy & Infusion Center | Chemotherapy/Infusion Center Order Review             | 270                 | 5           |
| Chemotherapy & Infusion Center | Consult Antiemetic Therapy Dose & Monitor             | 52                  | 10          |
| Chemotherapy & Infusion Center | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Chemotherapy & Infusion Center | Drug Optimization                                     | 153                 | 5           |
| Chemotherapy & Infusion Center | Lab Test Ordered                                      | 234                 | 3           |
| Chemotherapy & Infusion Center | Monitor Drug Therapy                                  | 234                 | 5           |
| Chemotherapy & Infusion Center | Patient Education                                     | 631                 | 15          |

| <b>Group</b>     | <b>Intervention Description</b>    | <b>Cost Savings</b> | <b>Time</b> |
|------------------|------------------------------------|---------------------|-------------|
| Drug Information | Nursing Drug Information Provided  | 101                 | 10          |
| Drug Information | Provider Drug Information Provided | 101                 | 10          |

| <b>Group</b>        | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|---------------------|---|---------------------|-------------|
| ED Pharmacy Service | Added Drug Therapy                                    | 153                 | 5           |
| ED Pharmacy Service | Code Blue / Rapid Response                            | 153                 | 10          |
| ED Pharmacy Service | Discontinue Therapy                                   | 60                  | 5           |
| ED Pharmacy Service | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| ED Pharmacy Service | Drug Optimization                                     | 153                 | 5           |
| ED Pharmacy Service | ED Discharge Culture Review - Change Therapy          | 631                 | 15          |
| ED Pharmacy Service | ED Discharge Culture Review - Therapy Appropriate     | 631                 | 15          |
| ED Pharmacy Service | Med Rec - Admission                                   | 234                 | 15          |
| ED Pharmacy Service | Medication History Obtained                           | 642                 | 20          |
| ED Pharmacy Service | Nursing Drug Information Provided                     | 101                 | 10          |
| ED Pharmacy Service | Patient Education                                     | 631                 | 15          |
| ED Pharmacy Service | Provider Drug Information Provided                    | 101                 | 10          |
| ED Pharmacy Service | Rapid Sequence Intubation (RSI) Support               | 212                 | 15          |
| ED Pharmacy Service | Sepsis Measures Review                                | 1415                | 15          |
| ED Pharmacy Service | STEMI Management                                      | 153                 | 15          |
| ED Pharmacy Service | Stroke/TPA Management                                 | 628                 | 15          |
| ED Pharmacy Service | Trauma Activation/Management                          | 234                 | 15          |

| <b>Group</b>         | <b>Intervention Description</b>         | <b>Cost Savings</b> | <b>Time</b> |
|----------------------|---|---------------------|-------------|
| Emergency Management | Code Blue / Rapid Response              | 153                 | 15          |
| Emergency Management | Rapid Sequence Intubation (RSI) Support | 212                 | 15          |
| Emergency Management | Stroke/TPA Management                   | 628                 | 15          |

| <b>Group</b>         | <b>Intervention Description</b>                     | <b>Cost Savings</b> | <b>Time</b> |
|----------------------|---|---------------------|-------------|
| Formulary Management | Drug Shortage Substitution                          | 0                   | 5           |
| Formulary Management | Formulary Substitution Made                         | 17                  | 5           |
| Formulary Management | Non-Formulary Reviewed & Alternative Ordered        | 17                  | 5           |
| Formulary Management | Non-Formulary Reviewed & Approved                   | 0                   | 5           |
| Formulary Management | Patient Own Medication Evaluation                   | 234                 | 5           |
| Formulary Management | Restriction Criteria Reviewed & Alternative Ordered | 373                 | 5           |
| Formulary Management | Restriction Criteria Reviewed & Approved            | 0                   | 5           |

| <b>Group</b> | <b>Intervention Description</b>        | <b>Cost Savings</b> | <b>Time</b> |
|--------------|--|---------------------|-------------|
| IV to PO     | IV to PO Conversion completed          | 17                  | 5           |
| IV to PO     | IV to PO Reviewed but criteria not met | 0                   | 5           |

| <b>Group</b>               | <b>Intervention Description</b>      | <b>Cost Savings</b> | <b>Time</b> |
|----------------------------|--------------------------------------|---------------------|-------------|
| Med Rec/Transition of Care | Added Drug Therapy                   | 153                 | 5           |
| Med Rec/Transition of Care | Discontinue Therapy                  | 60                  | 5           |
| Med Rec/Transition of Care | Med Rec - Admission                  | 234                 | 15          |
| Med Rec/Transition of Care | Med Rec - Discharge                  | 234                 | 15          |
| Med Rec/Transition of Care | Med Rec - Outpatient                 | 234                 | 15          |
| Med Rec/Transition of Care | Med Rec - Transfer                   | 234                 | 15          |
| Med Rec/Transition of Care | Medication Assistance Enrollment     | 0                   | 15          |
| Med Rec/Transition of Care | Medication History Obtained          | 642                 | 20          |
| Med Rec/Transition of Care | Patient Education                    | 631                 | 15          |
| Med Rec/Transition of Care | Post Discharge Follow-up & Education | 631                 | 15          |
| Med Rec/Transition of Care | Prescription Coordination            | 0                   | 5           |
| Med Rec/Transition of Care | Readmission Risk Review/Reduction    | 0                   | 5           |

| <b>Group</b>                | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|-----------------------------|---|---------------------|-------------|
| Medication Related Problems | Added Drug Therapy                                    | 153                 | 5           |
| Medication Related Problems | Clarify Drug Order                                    | 0                   | 5           |
| Medication Related Problems | Discontinue Therapy                                   | 60                  | 5           |
| Medication Related Problems | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Medication Related Problems | Drug Allergy Problem Resolved                         | 234                 | 5           |
| Medication Related Problems | Drug Interaction Problem Resolved                     | 234                 | 5           |
| Medication Related Problems | Drug Optimization                                     | 153                 | 5           |
| Medication Related Problems | Duplicate Therapy Problem Resolved                    | 60                  | 5           |
| Medication Related Problems | Schedule/Re-time Medication                           | 0                   | 5           |
| Medication Related Problems | TPN/Nutrition Support Problem Resolved                | 63                  | 15          |

| <b>Group</b>       | <b>Intervention Description</b>                       | <b>Cost Savings</b> | <b>Time</b> |
|--------------------|---|---------------------|-------------|
| Opioid Stewardship | Allergy De-labeling/Clarification                     | 0                   | 10          |
| Opioid Stewardship | Coordinate Transition of Care                         |                     |             |
| Opioid Stewardship | Discontinue Therapy                                   | 60                  | 5           |
| Opioid Stewardship | Dose Optimization (renal, hepatic, age, weight, etc.) | 153                 | 2           |
| Opioid Stewardship | Drug Optimization                                     | 153                 | 5           |
| Opioid Stewardship | Drug Optimization - Broaden Coverage                  | 153                 | 5           |
| Opioid Stewardship | Drug Optimization - Narrow Therapy                    | 60                  | 5           |
| Opioid Stewardship | Initiate Medication for Opioid Use Disorder           |                     |             |
| Opioid Stewardship | Medication History Obtained                           | 642                 | 20          |
| Opioid Stewardship | Monitor Drug Therapy                                  | 234                 | 5           |
| Opioid Stewardship | Non-Formulary Reviewed & Alternative Ordered          | 17                  | 5           |
| Opioid Stewardship | Non-Formulary Reviewed & Approved                     | 0                   | 5           |
| Opioid Stewardship | Patient Education                                     | 631                 | 15          |
| Opioid Stewardship | Prescription Coordination                             | 0                   | 5           |
| Opioid Stewardship | Restriction Criteria Reviewed & Alternative Ordered   | 373                 | 5           |
| Opioid Stewardship | Restriction Criteria Reviewed & Approved              | 0                   | 5           |



| <b>Group</b>              | <b>Intervention Description</b>           | <b>Cost Savings</b> | <b>Time</b> |
|---------------------------|---|---------------------|-------------|
| Pharmacy Consult/Protocol | Clinical Trial Enrollment                 | 0                   | 15          |
| Pharmacy Consult/Protocol | Consult Aminoglycoside Dose & Monitor     | 153                 | 15          |
| Pharmacy Consult/Protocol | Consult Antiemetic Therapy Dose & Monitor | 52                  | 15          |
| Pharmacy Consult/Protocol | Consult Glycemic Control                  | 153                 | 15          |
| Pharmacy Consult/Protocol | Consult Pain Management Dose & Monitor    | 153                 | 15          |
| Pharmacy Consult/Protocol | Consult Pharmacy to Dose & Monitor        | 153                 | 15          |
| Pharmacy Consult/Protocol | Consult TPN/PPN/Nutrition Dose & Monitor  | 63                  | 15          |
| Pharmacy Consult/Protocol | Consult Vancomycin Dose & Monitor         | 153                 | 15          |
| Pharmacy Consult/Protocol | Consult Warfarin Dose & Monitor           | 153                 | 15          |
| Pharmacy Consult/Protocol | Fall Risk Assessment/Review               | 0                   | 10          |
| Pharmacy Consult/Protocol | Heparin Per Weight-Based Protocol         | 153                 | 15          |
| Pharmacy Consult/Protocol | Renal Dosing Protocol Adjustment          | 153                 | 15          |

| <b>Group</b>      | <b>Intervention Description</b>     | <b>Cost Savings</b> | <b>Time</b> |
|-------------------|-------------------------------------|---------------------|-------------|
| Regulatory Review | Acute MI Measures Review            | 0                   | 5           |
| Regulatory Review | Clinical Trial Enrollment           | 0                   | 5           |
| Regulatory Review | Heart Failure Measures Review       | 0                   | 5           |
| Regulatory Review | Pneumonia Measures Review           | 0                   | 5           |
| Regulatory Review | Readmission Risk Review/Reduction   | 0                   | 5           |
| Regulatory Review | REMS Criteria Review                | 0                   | 5           |
| Regulatory Review | Sepsis Measures Review              | 0                   | 5           |
| Regulatory Review | SNF/Home Health Drug Regimen Review | 0                   | 5           |
| Regulatory Review | Stroke Measures Review              | 0                   | 5           |
| Regulatory Review | Vaccination Measures Review         | 0                   | 5           |
| Regulatory Review | VTE Measures Review                 | 0                   | 5           |