

IHE Work Item Proposal (Short)

# Proposed Work Item: <IHE Order Matching>

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Domain: Patient Care Coordination

# The Problem

The exchange of clinical data between providers is needed to accomplish safe and effective patient care. Many such exchanges follow an order request and response process. The majority of the ordering process is typically not a single transaction. Many times, it involves additional messages to complete the process. Currently, there is not a standard way to match together order requests and responses nor additional documents to the initial transaction.

As patients move within and across healthcare settings, providers send and receive multiple transactions relating to the same order. Today, these transactions are manually managed. The ability to electronically manage these transactions is needed.

The purpose of this content profile: Provide a mechanism to facilitate programmatic matching/linking of related outbound and inbound order transactions for the same patient to/from applicable care providers.

# Key Use Case

Patient is admitted to hospital for planned surgery. Upon discharge, patient is transitioned to home health care for skilled nursing and rehab services. This transaction results in Provider to Provider exchange of order information that supports the following interactions:

1. Acute Care Hospital to Home Health Agency

The hospital sends the discharge summary to the home health agency site with post discharge orders. After the orders are sent, the hospital may need to

* Amend original information in the discharge summary (including patient-specific orders – e.g., a change in medication, addition of more orders, update clinical findings, etc)
* Provide additional information about the patient before the patient is admitted to the home health agency
* Provide additional information about the patient after the patient is admitted to the home health agency

After the patient is referred for home health services, the provider of record is contacted for approval of the initial assessment and plan of care orders. These transactions results in Provider to Provider exchanges to support care planning that include the following interaction

1. Home Health Agency to Provider of Record

After the initial assessment and plan of care orders is sent, the home health agency may need to

* Amend original information in the assessment and plan of care documents (including patient-specific orders – e.g., a change in medication, change in nursing care, etc)
* Provide additional information about the patient during the care period
* Provide additional information about the patient after the care period has ended

# Standards & Systems

Standards

* CDA – Header
* CCDA – CCD
* CCDA – Consultation Note
* CCDA – Unstructured Document
* XDR
* Audit Logging
* Error Handling
* Secure Transport

Systems

* EHR
* PHR
* Patient Portal
* HIE

# Discussion

This should be a Patient Care Coordination content profile. IHE would be a good venue to solve this problem because it involves developing a profile across several existing standards. It has the necessary expertise in PCC to address content issues as well as functional workflow. This profile differs from XDW in that it does not track statuses. This profile is a content profile that streamlines the order workflow by focusing on the order request and the order response. However, there may be other use cases where the ability to streamline workflow processes is provided utilizing the concept of this content profile.