

HL7 Clinical Interoperability Council
**Pilot – Call for Input
Actions and Attributes**

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Pilot Objectives

- To engage professional societies and other stakeholders in the HL7 CIC process via an Initial Call for Input
- To identify their real-world Actions and corresponding data content (Attributes)
- To economize their time/cost to participate
- To keep it simple

Pilot Objectives, con't

- To establish a common registry of Actions across Specialties
 - Actions = acts, tasks, procedures, services
- To establish a common registry of Attributes
 - Attributes = data items, elements or values
- To promote uniformity in Action and Attribute definition, use and re-use

Pilot Approach

- Request professional societies and other stakeholder groups submit:
 - Five Actions specific to their specialty
 - Top five, any five
 - List of Attributes typically collected with each Action

Action Registry

1. Identify Specialty Actions

- Register Actions and Action Descriptions, as submitted

2. Identify Common Actions

- In common across Specialties
- Harmonize with and across Specialties
- Consensus ballot, if appropriate
- Register harmonized Actions

Attribute Registry

1. Identify Specialty Attributes
 - Register Attributes and Attribute Descriptions, as submitted
2. Identify Common Attributes
 - In common across Actions and Specialties
 - Harmonize with and across Specialties
 - Consensus ballot, if appropriate
 - Register harmonized Attributes

Going Forward...

- Develop open tool to maintain Action and Attribute Registry
- Encourage Specialties to build out their registry of Actions, referencing:
 - Harmonized Attributes = preferred
 - Or their own = much less preferred
- Develop Use Cases incorporating registered Actions and Attributes

		Input Submission	Analysis	1 st Derivative (as submitted)	Final Derivative Harmonized across Actions and Specialties
	Who	<ul style="list-style-type: none"> Professional Societies Other Stakeholders 	<ul style="list-style-type: none"> HL7 Clinical Interoperability Council HL7 WGs as applicable 		
ACTIONS	1.1 PILOT Action Registry <u>Actions</u> are discrete acts, tasks, procedures or services.	Identify 5 Actions performed by specialty: <ul style="list-style-type: none"> Action name Action description 	Capture and Register Actions	Action Registry	
	1.2 FUTURE Harmonized Master Action Registry	Identify Additional Actions	<ul style="list-style-type: none"> Analyze Actions for commonalties, duplications Harmonize Actions 		Harmonized Master Action Registry
ATTRIBUTES	2.1 PILOT Attribute Registry <u>Attributes</u> are discrete data items, elements or values.	Identify Attributes typically captured with each Action (RETAINED/OUTPUT) <ul style="list-style-type: none"> Attribute name Attribute description 	Analyze and Register Attributes, including: <ul style="list-style-type: none"> Data type and format Coding and classification Reference ranges 	Attribute Registry (data dictionary)	
	2.2 FUTURE Harmonized Master Attribute Registry		<ul style="list-style-type: none"> Analyze Attributes for commonalties, common usage Harmonize Attributes 		Harmonized Master Attribute Registry (data dictionary)
	2.3 FUTURE Action Inputs	Identify Attributes typically referenced as a predicate for Action (INPUT)			
	3 FUTURE Use Cases	Build Use Cases (and Work Flows) using registered Actions			
	4 FUTURE Open Registries		Establish: <ul style="list-style-type: none"> Open Action registry Open Attribute registry 		

Initial Interest – Active in HL7

- Pediatrics - Andy Spooner, MD, Joy Kuhl, RN...
- Nursing - Kay Avant, RN, Dianne Reeves, RN
- Public Health - Kristi Eckerson
- AMA - Sheila Teasdale
- Anesthesia - Terri Monk, MD
- NHS/International - Steve Bentley, MB
- Veterinary Medicine - James Case, DVM, PhD