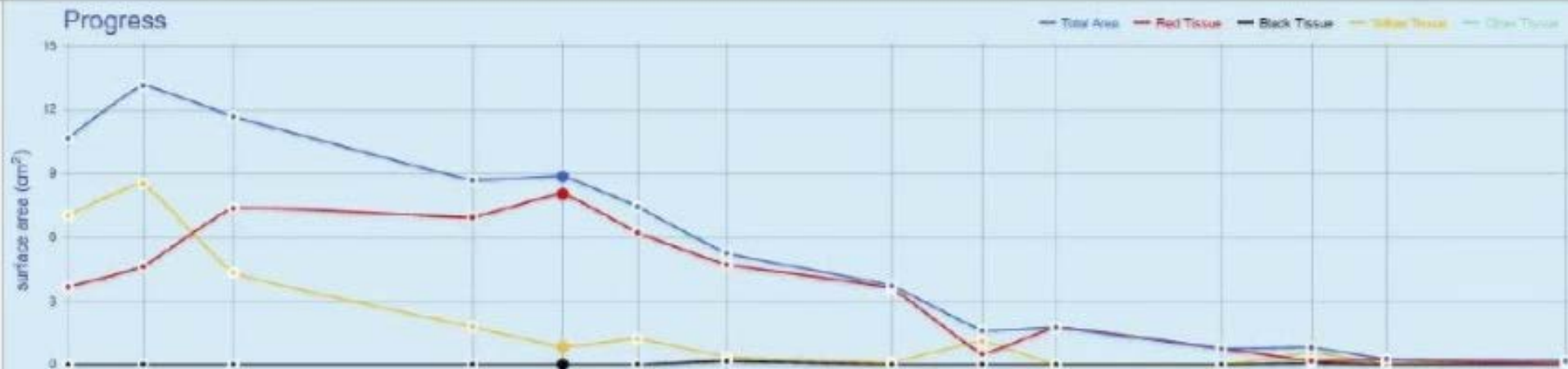


Skin and Wound Assessment Model

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Goal = Interoperable Wound Data



History of Model Development Process

- VA/KP started Mind Map and Model (2010)
- Interfaced with SDOs – LOINC, SNOMED CT, HL7
- LOINC nursing subcommittee accepted the project
 - recruited nursing informatics leaders
 - harmonized skin/wound assessment from six institutions
- Part of the model taken up by HL7 patient care committee and Pressure Ulcer Risk DAM created (2013)
 - Vetted through wound care experts
- SNOMED CT and LOINC content requested
- Became HSPC Project with VA Nurses (2016)

Project Objectives

- Define a process for developing logical clinical models engaging both technical and clinical experts
- Define a process for transforming clinical element models (CEM), written in CEM language (CEML), Archetype Definition Language (ADL) formatted Clinical Information Modeling Initiative (CIMI) models
- Define CIMI data element and value set binding using SOLOR
- Identify a repository for the models and SNOMED CT, LOINC, RxNorm (SOLOR)
- Create FHIR profiles from CIMI models

Tasks Performed

- Ontoserver chosen as HSPC terminology server
- Project created in Jira to create value sets
- Value sets evaluated
- Editorial Guidelines Created for Reference Sets
- Simple Ref Sets Created in [TermSpace](#)

Terminology Coding

Type	Text	Terminology	Code	FSN
Question	Skin Moisture	LOINC SNOMED CT	39129-2 406128001	Moisture:Type:PT:Skin:Nom:: moistness of skin (observable entity)
ValueSet	Skin moisture reference set	SNOMED CT	41000205102	Skin moisture reference set (foundation metadata concept)
Value	Diaphoretic	SNOMED CT	52613005	excessive sweating (finding)
Value	Moist	SNOMED CT	16514006	moist skin (finding)
Value	Clammy	SNOMED CT	102598000	clammy skin (finding)
Question	Skin Temperature	LOINC	44968-6 364537001	Temperature:Type:PT:Skin:Ord:Palp: temperature of skin (observable entity)
ValueSet	Skin temperature reference set	SNOMED CT	31000205107	Skin temperature reference set (foundation metadata concept)
Value	Consistent With Body Temperature	SNOMED CT	297977002	Skin normal temperature (finding)
Value	Warm	SNOMED CT	102599008	warm skin (finding)
Value	Cool	SNOMED CT	427733005	cool skin (finding)

Skin Wound Assessment Refsets

Refset/Value sets	Version	Date	Purpose
Wound trend refset	v .1	11142017	This refset provides values to document a measure of improvement or deterioration in wound healing.
Wound exudate appearance refset	v .1	11142017	This refset provides values to describe the consistency of exudate that is present in a wound. The values will be used for recording and retrieving the consistency of exudate.
Wound exudate appearance refset	v .1	11142017	This refset provides values to describe the consistency of exudate that is present in a wound. The values will be used for recording and retrieving the consistency of exudate.
Presence absence refset	v .1	11142017	This refset provides values for recording and retrieving information about the presence or absence of a clinical observation
Wound edge description refset	v .1	11142017	This refset provides values for recording and retrieving descriptions of a wound edge.

Ref Set Editorial Guidelines

- All values requested need a text definition
- Refset metadata includes the observable entity it results
 - Used for import into VSAC
 - “This reference set contains values used to describe the periwound condition, referencing the LOINC concept Description of Periwound 72301-5”
- Values for 'color' reference sets (e.g. black, yellow, red) will be drawn from the SNOMED CT *Qualifier Value* hierarchy
- Use “Skin of XXX” for body locations for wound and skin assessments
 - Not the bone
- Qualitative content that references ordinal answers for commonly used questions (e.g. urine glucose = 1-4+, wound discharge = scant to large, etc.) should reference an authoritative source that provides unambiguous (e.g. quantitative) meanings for the content.

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Let's look at the content

- [TermSpace](#) browse Ref sets.

Questions



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