



Annual Conference
Interoperability Showcase
Orlando, Florida

March 2020

Leveraging BPM+ Health Models Across Real-World Health Care Delivery Scenarios

Use Case:

With ever-changing clinical guidance determining what is appropriate medical care, the ability for VA and other healthcare provider institutions to maintain currency with industry best-practices is challenging. This is further exacerbated when care handoffs occur, either receiving patients whom began their care within “external” organizations, or whether follow-on care is happening elsewhere.

This demonstration will highlight an approach to facilitate efficient health care delivery activities by leveraging and directly consuming a “health process flow” defined by a third-party, effectively illustrating how clinical practices can be readily adapted to changing clinical guidance. Through the use of a dynamic rules framework, this demonstration is designed to enable substantially broader use of non-customized, interoperable care models (expressed using industry standard BPM+ Health notations) across a simulated set of disparate operating environments. This results in simplifying care coordination while accelerating the pace to implementation, all the while reducing the level of effort to develop and deploy more effective clinical process solutions.

Supports Interoperability Goals:

- Sharability of clinical practice guidelines/care pathways
- Use of open process standards in support of workflow interoperability
- Promote implementation and reuse of interoperable clinical care delivery resources

Solution:

This demonstration will “ingest” a standards-based process model, express using the BPM+ Health suite of open standards, directly consuming these knowledge assets (models) to drive the automated care coordination flow and health data enrichment and exchange processes in a simulated patient care setting. Activities are initiated

consistent with a composite *patient consent model* that reflects the patients wishes, also taking into consideration external inputs such as clinical business rules and a variety of data sources informing the clinical process.

The goal here is to show the ability to exchange standardized clinical context-rich process models, and apply automated patient consent and operational rules management to accelerate and intelligently drive care delivery, regardless of the underlying systems or clinical care coordination scenario.

Throughout the process execution, all key touchpoints are tracked against applicable performance indicators and metrics, generated by the platform, in support of continuous process improvement, process transparency, patient visibility, and administrative management (e.g., auditing).

Project Phase:

This solution is a prototype integration based on published and available standards artifacts. Pilot deployment is scheduled in Q3 2020

Value:

The use of open, standards-based processes allows for healthcare organizations to more rapidly adapt to changing guidance, reduce implementation inconsistency, and improve compliance with published guidelines. This enhances consistency across care delivery systems such as VA, improves delivery during transitions of care (such as occurs with community providers), and promotes increased patient visibility into the care process.

Future:

Foundational approaches being demonstrated in this session are forming the foundation for commercial COTS product offerings based on the non-proprietary open standards from BPM+.

VA Wants Your Help:

How can industry help? VA is interested in advancing open knowledge ecosystems to allow for our health system to import, license, adopt, and consumer best-practices without technology-specific or project-specific lock-in. Engaging in open activities such as is occurring within the BPM+ Community is encouraged. See <http://bpm-plus.org>

Contact:

Ken Rubin, Director of Standards, VHA Kenneth.rubin@va.gov
Ken Allgood, Co-founder & CEO ken.allgood@healthflow.io