

BPM+ Health eWorkshop, March 25-26, 2020

<https://www.bpm-plus.org/>

The BPM+ Health Community

Academic and Professional Education (A&PE) Community
Proposal Brief and Notes

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What is BPM+ Health?

BPM+ Health is a community of practice with the following goals:

- Develop best practices around modeling and sharing clinical pathways
- Promote the use of standards such as BPMN, DMN, and CMMN
- Cultivate a knowledge ecosystem leveraging industry standards
- Improve the precision and compliance with best practices through use of formal languages

Why do we need it?

- Evidence-based medical practices are too hard to adopt
- Huge diversity exists in how such practices are documented and implemented
- Current guidance is inconsistently documented and interpreted, and has gaps and errors
- Workflows don't "follow the patient" and be easily shared among institutions

What is BPM+ Health?

Sub-Committies

- Authoring Community
- Implementer Community
- Institutional Adoption Community
- Methodology Workgroup
- **Academic and Professional Education (APE) Community**

BPM+ Sub-Communities: The Value of Peer Collaboration

Authoring Community

- Focused on writing / distributing content, e.g.:
 - Health practice patterns
 - Care Pathways, CPG's, Workflows
- Discuss best-practices and approaches
- Identify and document practice patterns, modeling approaches
- Advance education among content author community

Implementer Community

- Approaches for IT/Software implementation of BPM+, e.g.:
 - Implementation strategies and approaches
 - Ingesting and use of computable workflows
 - Integration between HIT data and workflow
- Feedback loop to methodology group

Institutional Adoption Community

- Centered on how to bring pathways into institutional use, e.g.:
 - How to adopt and configure
 - Change management
- Business case for computable pathways
- Intersect between BPM+ pathways, IT systems, human resources
- Identify and document practice patterns

Methodology Workgroup

- Apply core standards to meet the needs of the healthcare vertical, specifically:
 - Refine and revise the “Field Guide” Document
 - Liaison activities with SDO community
- Catalog, document and advise on best-practices
- Maintain authoritative set of BPM+ guidance

Academic & Professional Education Community

March 25, 3-5pm eSession - Agenda

3.00-3.15 Introductions

3.15-3.30 Define APE Community Goal

3.30-4.30 Define APE Community Scope & Tasks

- Who to teach, What to teach, How to teach, Who will teach, Products and services

4.30-4.45 Collaborations, Membership Recruitment

4.45-5.00 Next Steps/Action Items

Academic & Professional Education Community

Goal

Foster the adoption of BPM+ sharable clinical pathways with the goal of improving care quality by lowering barriers for implementation

via providing educational resources for

- ***academic education*** in schools of medical, nursing, public health, their informatics and computer science programs
- ***professional development*** for health organizations, professional associations, public health agencies, clinical research organizations

Academic & Professional Education Community

Scope

- Who to teach
- What to teach
- How to teach
- Who will teach

Academic & Professional Education Community

Scope – Who to Teach: Health Workforce/Education

- academic education for
 - *Users*: schools of medicine, nursing, public health, health information managers (HIM), other (including FQHC/HRSA)
 - *Vendors*: computer science programs (OMG BPMN)
 - *Other?* Education and communication
 - The Public at large (patient/care givers, advocacy group?)
 - Policy makers (Capital Hill briefings, HHS (CMS, CDC, ONC, HRSA, etc.))
 - Payors

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Scope – Who to Teach: Health Workforce/Education

- professional development for
 - *Clinicians*: professional associations (AMIA, AHIMA, ANA, CAP, ACOG, etc...)
 - *HIM*: health organizations' Clinical Documentation Improvement (CDI) programs
 - *Public Health Professionals*: public health agencies
 - *Researchers*: clinical research organizations (CROs)
 - *HIT vendors*: IT developers (EHR, etc.), open source community, business analysts, integrators, modelers (HIMSS, OMG)
 - *Standards developers*: standards development organizations (SDOs)
 - *Others?*
 - *Professional certification bodies (ACOG, CAP, AHIMA, etc.)*

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Scope – Who to Teach: Health Workforce/Communication

- influencers
- policy makers
- donors (foundations)/payors
- academia
- professional organizations
- health organizations
- public health agencies
- clinical research organizations
- IT Vendors
- Standards developers
 - *Others?*

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Scope – What to Teach: Tasks – **Do the survey (Tracie)!**

1. Assess existing programs that are teaching BPM in informatics and computer sciences program, eg

- *Johns Hopkins Divisions of Health Sciences Informatics, HIT Standards and Interoperability Course* (Anna Orlova)
<https://ocw.jhsph.edu/index.cfm/go/viewCourse/course/infstandards/coursePage/index/>
- *Tufts Health Informatics and Analytics Program* (Anna Orlova)
- Utah University (Robert Lario)
- Duke University (Rachel Richesson, Ed Hammond)
- UMichigan (Chuck Friedman)
- Idaho State (workflow analysis modeling) – Velma Payne
- **Add other programs**
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Scope – What to Teach: Tasks

2. Assess existing competencies for inclusion BPM+, eg

- *American Health Information Management Association (AHIMA)*. Global Academic Curricula Competencies for Health Information Professionals. 2015. URL:

<http://www.ahima.org/about/global/global-curricula>

- Add other competencies?

- AMIA
- CAHIIM (Angela Kennedy)
- HIMSS

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Scope – How to Teach: Tasks

- Partner with
 - Universities (Hopkins, Tufts, Utah, other)
 - Lecture(s) content
 - Case Studies for Labs
 - Capstones practicum
 - Fellowships (VA), Internships, Co-ops with government, industry, etc.
 - Health organizations (clinics, public health agencies, CROs, SDOs, other)
- Present at professional meetings (AMIA, AHIMA, HIMSS, other)
 - Workshops, webinars, certification exams, etc.
- BPM+ Education Toolkit for education (Inventory of software/tools)
 - Downloads, cloud, open source sandboxes
 - BPM+ + Smart on FHIR
 - Adoption Committee has a Tool item in their Frame work
- Other

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Strategy, Products and Services - Develop

- BPM+ educational strategy roadmap (up to 5 page document)
- Curriculum and content for educational modules on computable clinical pathways development and adoption for
 - academic courses
 - professional certification (eg AHIMA CDIP <https://www.ahima.org/certification/cdip>), AMIA 10x10, OMG BPMN)
 - vocational training
- Tutorials and materials for educational webinars, presentations, online training, etc.
- Reference Implementation Tooling
- **Other?**
 - Communication and marketing on APE efforts

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Strategy, Products and Services - Train

- Trainers to use and deliver APE materials in the
 - academic courses of informatics, analytics and computer science programs
 - vocational training in health organizations
 - conferences of professional associations, SDOs and other venues
- **Other**
 - **Communication and marketing on APE efforts**

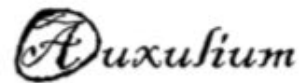
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Strategy, Products and Services – Outreach & Recruit

- Teaching professionals (academics and consultants)
- Subject Matter Experts (SMEs)
- Students (thru OMG university membership)
- Other

BPM+ By The Numbers (as of 1 November 2019)

• Founding Members



U.S. Department of Veterans Affairs



• Member Organizations

[American College of Emergency Physicians](#)
[Auxilium Technology Group](#)
[Benchmark Consulting](#)
[Brass Rat Capital LLC](#)
[CAST Software](#)
[Department of Veterans Affairs](#)
[EASC e.V.](#)
[EvidenceCare](#)
[HL7](#)
[HR Open Standards](#)
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[Perspecta](#)
[Red Hat](#)

[Rule ML Initiative](#)
[SBA Accounting and Finance Department](#)
[Sparx Systems Pty Ltd](#)
[Stevens Institute of Technology](#)
[Trisotech](#)
[University of Utah](#)
[University of Washington](#)
[VDMbee](#)

• Industry Partners



Academic & Professional Education Community

Next Steps/Action Items

- By-weekly calls starting the week of 4/14? Tues 2-3pm ET?
- APE Community infrastructure:
- **Listserv – Sign for the APE Committee at <https://www.bpm-plus.org/working-groups/sign-up-form.htm>**
- , calendar, announcements/
communication, (Trello, Wiki, etc.), staff support and other
- Call for Task Leads
 - Assess existing academic and vocational programs that are teaching BPM
 - Access competencies
 - Assess BPM+ tooling for teaching
 - Membership Outreach & Recruitment
- Call for APE representatives in other BPM+ communities
- BPM+ Educational Strategy Roadmap document
 - Mission, vision, goals, success criteria, products, roadmap for 2020 and beyond

Academic & Professional Education Community

Open Issues

- Where communication, outreach and marketing efforts do belong, ie, across committees? In APE? In Separate Committee?
- Conduct a survey for academia on teaching of BPM+ standards (Tracie)

ACADEMIC AND PROFESSIONAL EDUCATION WORKING GROUP

Healthcare organizations' Clinical Documentation Improvement (CDI) professionals, organizations' informatics and analytics staff, academicians, vendors' business analysts, and standards developers join the Academic and Professional Education Working Group.

This group will:

- ▶ Assess best practices for professional development, vocational and academic education in standards-based HIT including the use of BPM+ standards
- ▶ Develop curriculum and content for educational modules on computable clinical pathways development and adoption
- ▶ Develop tutorials and materials for educational webinars, presentations, and online training
- ▶ “Train the trainers” to use and deliver these materials in academic courses, vocational training, and conferences

With the goal of building a workforce to participate in:

- ▶ Developing standards-based computable pathways at healthcare organizations
- ▶ Building standards for computable clinical pathways at SDOs
- ▶ Implementing standardized, computable clinical pathways in HIT products

<https://www.bpm-plus.org/working-groups/index.htm>