Personalized Health Navigation

Joint HL7-ISO Program Proposal

2023.05.11 HL7 WGM ~ New Orleans

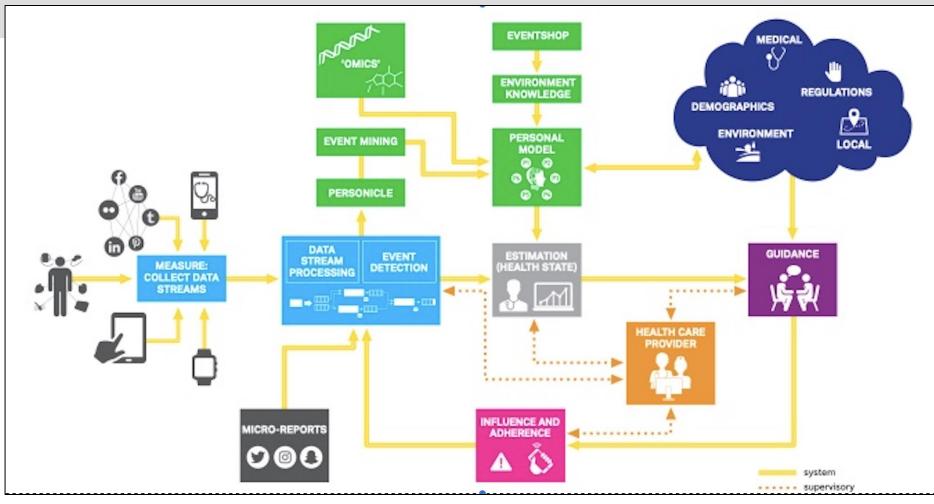
Todd Cooper, HL7 DEV Co-Chair Ramesh Jain, UCI/Institute for Future Health



What is Personalized Health Navigation (PHN)?

"The process of assisting individuals in achieving their health goals by helping them understand their health conditions and providing guidance on food, lifestyle, and healthcare choices."

ISO 9472-10000 (draft)





See Ramesh Jain's PHN "conceptual" presentation @ HL7 DEV WGM 2023.05.11.

Why PHN in HL7?

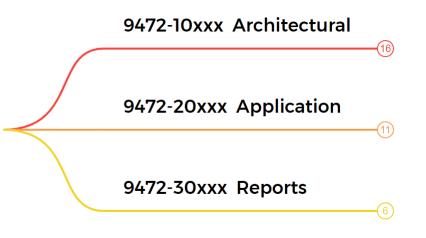
- Synergies in HL7:
 - WGs: Devices, Mobile Health, SOA, Patient Empowerment, O&O ...
 - Accelerators: Gravity (SDOH),
 - SDO Collaboration Extensive, active, works! (ISO, IEEE, ...)
 - With project proposal more connections will be surfaced!
- What's missing in HL7? (Hint: It's not about healthcare ...)
- #1 Reason: HL7 provides a robust home for nurturing the ...

PHN Implementation Community!



ISO 9472 PHN Series

ISO 9472 Personalized Health Navigation (PHN)



Technical Building Blocks

Subject Area Specifications

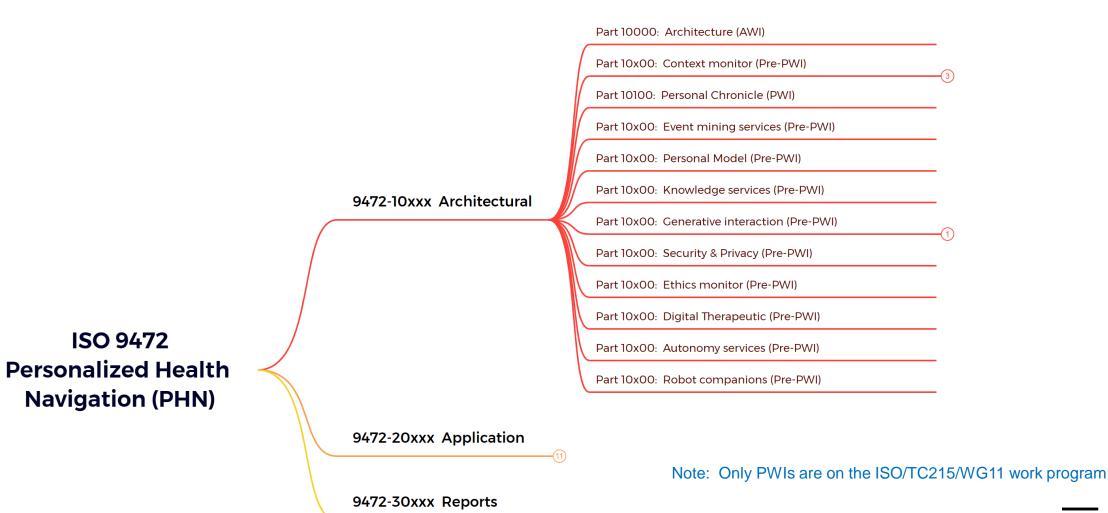
Perspectives on Possibilities!



ISO 9472 PHN Series

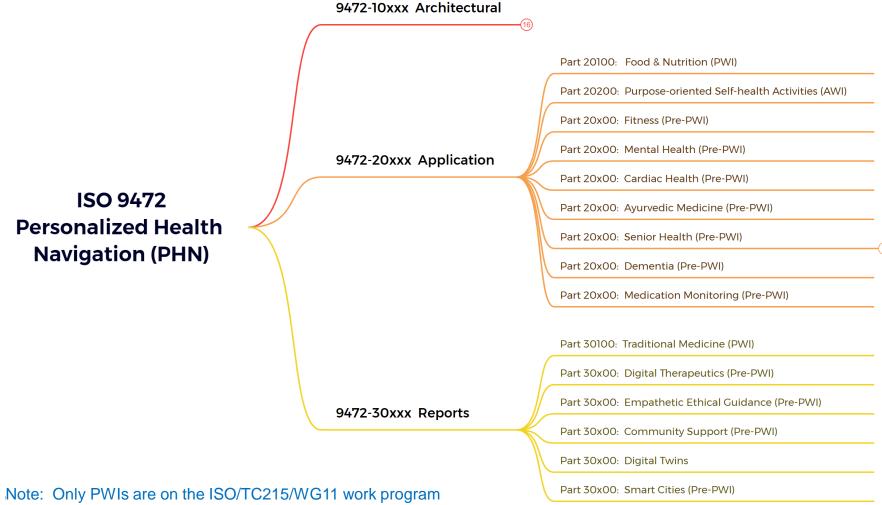
ISO 9472

Navigation (PHN)





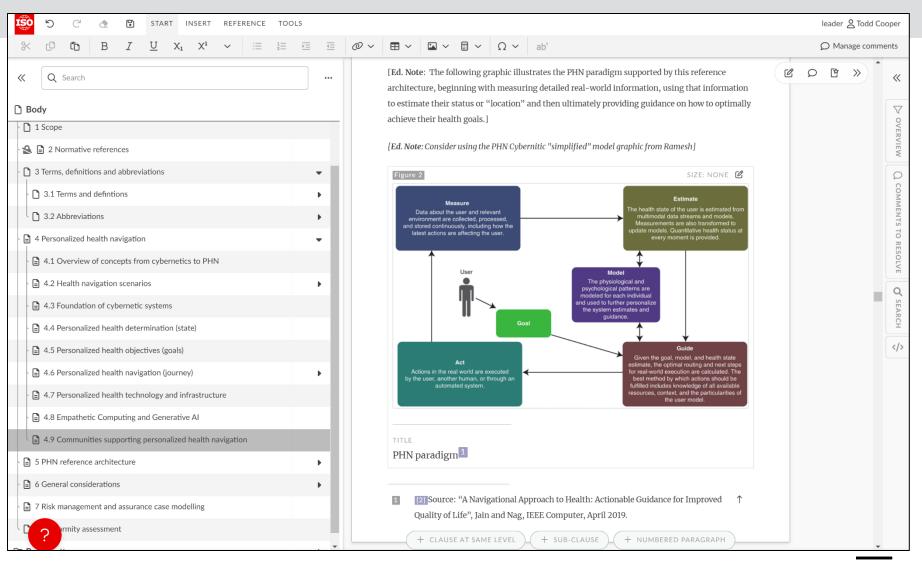
ISO 9472 PHN Series





ISO 9472-10000 PHN Architecture ... on OSD!

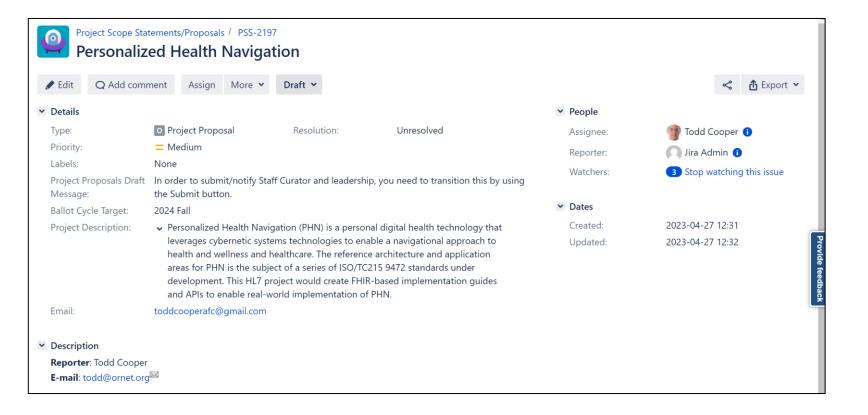
The document is being crafted in the new ISO Online Standards Development (OSD) platform.





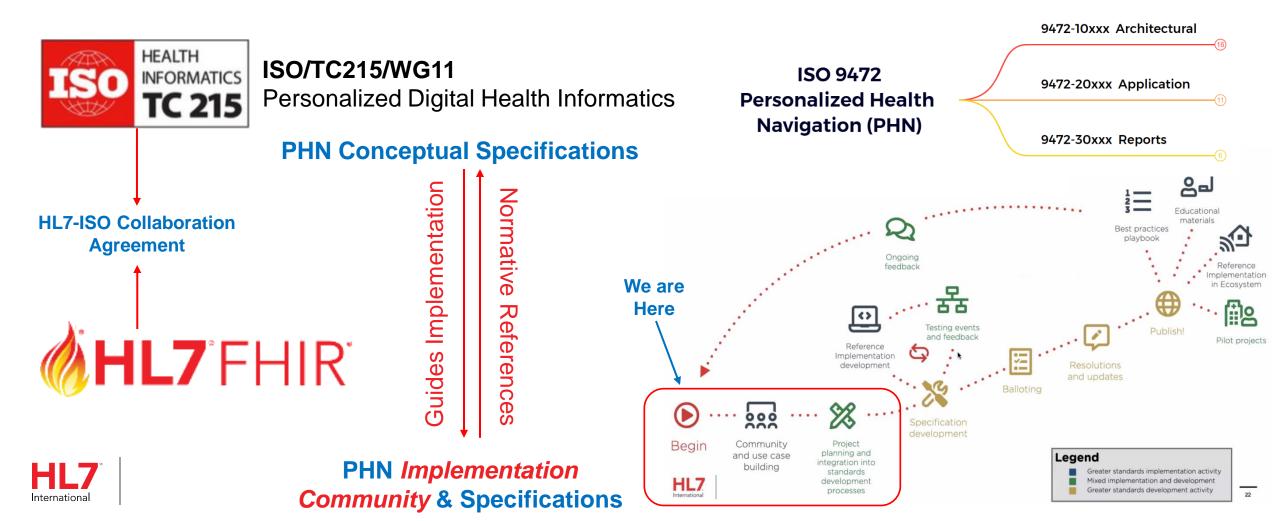
HL7 PHN Project Proposal

Project Proposal PSS-2197 will start the conversation at HL7





Integrated ISO 9472 & HL7 PHN Programs



Proposal Discussion

Discussion notes:

- (Ed) In the "Human Matrix Project" Challenge was getting individuals to share personal info (trust)
- (Vince) Data quality at the data element level (metadata) is foundational (garbage in/out)
 & for personal health data is virtually impossible to achieve
- (Ed) Literacy & Education is perhaps one of the greatest challenges you can provide advice & guidance – but educating individual to both understand and action the guidance is often where everything breaks down
- (Kosta) Will these need to be recognized by regulatory agencies? (Todd) Well, DTx
 (which is SaMD) is based on the elements of PHN Architecture ... yes! In some cases ...

NOTE: The discussion was vigorous, sometimes passionate, generally positive, though recognizing the BIG CHALLENGES ahead for advancing these concepts!



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