PACIO Personal Functioning and Engagement IG Proposal

Committee Approval Date:
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Contributing or Reviewing Work Groups:
Patient Care Work Group (sponsor)
Community Based Care and Privacy Work Group (co-sponsor)

FHIR Development Project Insight ID:
1731

Scope of coverage:
The focus of the Personal Functioning and Engagement IG is on information related to an individual's functioning, both in terms of their body as well as their activities and participation in society. This includes observation data (characteristics that can be tested, measured, or observed and are communicated with a name-value pair structure) as well as related clinical care. A primary aim of the IG is to categorize these functioning details into health and health-related domains using the International Classification of Functioning, Disability and Health (commonly known as ICF) as a conceptual framework. More information on the concepts that may be included in this IG can be found in the ICF Browser. Tied to each domain will be terminologies and value sets that constrain data representation within that domain, following the model used by the Gravity project. The goal is to enable more seamless transitions of care between settings by providing a structure that supports the syntactic and semantic interoperability of data between health IT systems by constraining the space of possible representations. In addition, we envision client applications and other data consumers being able to use the categorization into functioning domains to help consumers of the data to make sense of it. While other IGs also focus on observation-based data, the Personal Functioning and Engagement IG is distinguished by its link to ICF and corresponding restriction down to a constrained set of codes representing valid observations under this IG based on the categorized domain. For non-observation data, the IG will use and refer to existing IGs covering care and care planning where possible and only create new profiles where additional needs present themselves.

Content location:
https://paciowg.github.io/functional-performance-ig/

Proposed IG Title:
Personal Functioning and Engagement

Proposed IG realm and code:
US/pacio-pfe

FHIR Core version(s):
FHIR R4

Maintenance Plan:
The Post Acute Care Interoperability (PACIO) Project intends to provide ongoing support of this implementation guide.

Short Description:
The Personal Functioning and Engagement IG provides a framework for communicating the functioning of an individual, including their body functions and structure and their activities and participation in society, as well as related clinical care. The IG draws on the health and health-related domains defined within the International Classification of Functioning, Disability and Health (commonly known as ICF).

Long Description:
The description of an individual’s health and health-related state - the detailing of the person’s functioning in terms of body functions and structures, activities and participation in society, and related care - is a core activity of providing them appropriate care and support. Care and support will involve multiple settings and caregivers so communication of this information is crucial for successful care coordination at transition of care and for on-going shared care. Care coordination – when a person transitions between healthcare settings, including ambulatory care, acute care, long-term post-acute care (LTPAC), and home- and community-based services (HCBS) – is often fragmented and can lead to poor health outcomes, increased burden, and increased costs. Interoperable health information exchange has the potential to improve patient and provider communications and supports access to longitudinal health information that enables improved efficiencies, improved quality of care, and improved health outcomes. Data should be usable across the continuum of care, and beyond the traditional healthcare system – into the community.

The Personal Functioning and Engagement IG draws on the framework of the World Health Organization’s (WHO) International Classification of Functioning, Disability and Health (commonly known as ICF), which defines health and health-related domains related to an individual’s functioning from the perspective of the body, the individual, and society. Examples of domains that ICF defines that the IG can be applied to include but are not limited to:

- Mental functions captured as a part of evaluating an individual’s cognitive status
- Mobility and Self-care captured as a part of evaluating an individual’s functional status
- Voice and speech functions and Communication details captured as a part of evaluating an individual’s spoken language communication, swallowing, and hearing

More information on the concepts that may be included in this IG can be found in the ICF Browser.

Involved parties:
This implementation guide is being developed by the clinical, EHR, and client app organizations as part of the PACIO Project.

Expected implementations:
- MITRE Pseudo EHR
- Patient Centric Solutions
- MITRE Open Health Manager

Content sources:
Requirements are drawn from the IMPACT Act and clinical, EHR, and client app organizations as part of the PACIO Project. Additional, the International Classification of Functioning, Disability, and Health (ICF) published by the WHO serves as an inspiration for the IG.

Example Scenarios:
A patient is discharged from an acute care facility and admitted into a post-acute care facility. The post-acute care facility can retrieve the results of assessments documenting different aspects of the patient's abilities and status from the acute care facility's FHIR API, such as functional status (e.g., mobility), mental status (e.g., recall), and swallowing capabilities.

IG Relationships:
This guide will rely on US Core where possible.

Timelines:
First ballot expected September 2022.

FMG Notes