### 2022-05 Eligibility Criteria (Evidence-Based Medicine /EBMonFHIR)

- **Short Description**
  - The primary focus is exchange of complex eligibility criteria (inclusion and exclusion criteria) for research cohorts, clinical trials, and clinical care recommendations.

- **Long Description**
  - Using the characteristic backbone element of the Group resource to express criteria is well established but the approach has limitations for complex criteria.
  
  The Evidence-Based Medicine on FHIR project group (co-sponsored by CDS, COI and BRR WGs) developed EvidenceVariable Resource to express complex characteristics defining evidence variables. In a separate BRR track focusing on a review of inclusion / exclusion criteria, discussion on the need to express complex characteristics converged on EvidenceVariable.
  
  With a desire to describe eligibility criteria using Group Resource but a demand for handling many complex characteristics and combinations of characteristics, we will explore adapting the EvidenceVariable Resource to structure such content, easily referenced from a Group Resource.

- **Type**
  - Test the design of a Resource

- **Submitting Work Group/Project/Accelerator/Affiliate/Implementer Group**
  - BRR (EBMonFHIR Project)

- **Track Lead(s)**
  - Brian S. Alper
  - Gustav Vella
  - Khalid Shahin

- **Track Lead Email(s)**
  - balper@computablepublishing.com; gustav.vella@healex.systems; kshahin@computablepublishing.com

- **Related Tracks**

- **FHIR Version**
  - Current build

- **Specification(s) this track uses**
  - Review of inclusion / Exclusion Criteria in FHIR (Link to BR&R Pages on this topic)
  - Examples and Comparison of Approaches
  - Suggested Additions and Changes to EvidenceVariable

  - Terminology Servers this track uses? N/A
  - Specific Terminology Code Systems and Value Sets needed for this track? N/A

- **Artifacts of focus**
  - EvidenceVariable [http://build.fhir.org/evidencevariable.html](http://build.fhir.org/evidencevariable.html)
## Expected participants
We expect both implementers and specifiers to take part:
- Computable Publishing LLC
- Healex
- Firely
- 3 Research Hospitals
- Universitätsmedizin Greifswald

## Zulip stream
https://chat.fhir.org/#narrow/stream/197019-EBMonFHIR

## Track Kick Off Call
**Pre-connectathon Track Orientation**
Thursday April 21st 12 Eastern
https://hl7-org.zoom.us/j/95147253604

## Track Details
### Scenario:
Expressing Eligibility Criteria

### Action:
Select complex eligibility criteria (e.g. from research studies described at ClinicalTrials.gov) and express using EvidenceVariable Resource.

### Success Criteria:
Track participants are able to express eligibility criteria with satisfactory degree of granularity.

### Bonus point:
Track participants are able to interpret eligibility criteria expressed by other participants.

### TestScript(s): None

### Security and Privacy Considerations: None

### Draft agenda:
**Tuesday, May 3**
- 9:00-10:00 – Day 1 Orientation to EvidenceVariable resource and Eligibility Criteria IG
- 10:00-12:00 – Working Session 1 - create Eligibility Criteria instances
- 1:00-3:30 – Working Session 2 - review feedback for IG changes
- 3:30-4:00 – Day 1 Wrap-up (Summarize achievements, obstacles, next day plans)

**Wednesday, May 4**
- 9:00-10:00 – Day 2 Welcome Session - Orientation to advanced features for complex Eligibility Criteria
- 10:00-12:00 – Working Session 1 - create complex Eligibility Criteria instances
- 1:00-2:00 – Track Touchpoint (open discussion on testing, goals, what’s next for Eligibility Criteria)
- 2:00-2:45 – Day 2 Wrap-up - review feedback for IG changes
- 3:00-4:00 – Eligibility Criteria track report out