2020-02 Evidence Based Medicine (EBM) on FHIR Track

Submitting WG/Project/Implementer Group

Clinical Decision Support (CDS) WG, EBMonFHIR Project

Justification and Objectives

The first three connectathons of this group were needed to develop the foundational model. This milestone was reached in July 2019. Now in this fifth connectathon, we need to show examples of using it for data exchange.

Implementers need to work together to confirm ability to share the most basic elements of "Summary of Findings" reports used heavily across systematic reviews and "Baseline Characteristics" reported frequently in original research reports and as clinical profiles of research registries.

We will create multiple instances of evidence reporting using the Evidence Resource, and explore patterns for sharing bundles of Evidence Resources to match common behaviors in non-computable evidence sharing.

This track will use R5 version of FHIR.

Clinical input requested (if any)

Not needed, but clinicians are welcome and clinical input has helped shape the Evidence Resource to be more relevant for supporting clinical care.

Related tracks

CDS Hooks, Clinical Reasoning

Proposed Track Lead

Brian Alper, balper@ebsco.com

Expected participants

EBSCO Health

Track Orientation

A webinar will be hosted on TBD to share further participation information about this track.

System Roles

Evidence Reporter - Transmit a summary of findings from medical research

Evidence Consumer - Receive a summary of findings from medical research

Role 1 Name

Scenarios

Share Summary of Findings data between two evidence reporting systems

Action: The Evidence Reporter will transmit a Summary of Findings table as a series of Evidence Resources and the Evidence Consumer will receive it and reproduce the Summary of Findings table in their system's format.

Precondition: None

Success Criteria: The data displayed in the Summary of Findings results in the format of the Evidence Consumer is consistent with the results of the Evidence Reporter.

Bonus point: Creation of Group resources and EvidenceVariable resources to codify the Population, Intervention, Comparator and Outcome concepts associated with the Evidence Resource.

Share Baseline Characteristics/Clinical Profile data between two evidence reporting systems

Action: The Evidence Reporter will transmit a summary of baseline characteristics of a cohort as a series of Evidence Resources and the Evidence Consumer will receive it and reproduce it in their system's format.

Precondition: None

Success Criteria: The data displayed in the format of the Evidence Consumer is consistent with the results of the Evidence Reporter.

Bonus point: Creation of Group resources and EvidenceVariable resources to codify the Population, Exposure and Measured Variable concepts associated with the Evidence Resource.

TestScript(s)

None expected, but JSON Tree Writer and the Evidence Data Entry Form will be available to facilitate resource construction.

Security and Privacy Considerations

None