Multiple Chronic Conditions (MCC) eCare Plan
HL7 Patient Care Work Group Meeting

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• Discuss caregiver considerations and how to capture factors that impact care giving
Use of _include and _revinclude Search Parameters

An Example:

- Patient is recovering from a severe case of COVID infection [carePlan]
- His COPD [condition] has worsened [clinicalImpression]
- His care team includes a pulmonologist and he has no caregiver at home [careTeam]
- He uses a nebulizer spacer for his breathing treatments [deviceUseStatement]
- His most recent hospitalization lasted three months and ended a week ago [encounter]
- His goal is to ambulate daily for 30 minutes as tolerated [goal]
- He received his COVID vaccine series but has not receive a seasonal flu nor pneumococcal vaccines [immunization]
- He is often short of breath at night when lying down and has a prescription for additional nebulizer medication [medicationRequest]
- He received physical therapy while he was in the hospital [procedure]
- He would like to continue physical therapy at home [serviceRequest]
- His PREPARE assessment results shows he need access to social services [observation]
Use of _include and _relinvclude Search Parameters

MCC CarePlan Resource

Condition

CarePlan.addresses [reference]

CareTeam, ClinicalImpression, DeviceUseStatement, Encounter, FamilyMemberHistory, Goal, Immunization, MedicationAdministration, MedicationRequest, Procedure, ServiceRequest

CarePlan__include referenced resources

Condition__relinvclude referencing resources
Caregiver Considerations

- Data elements in existence and reviewed with TEP:
  - Care Team elements
- Additional “caregiver considerations” data elements:
  - Observations
    - Questionnaire → Questionnaire Response → Observation.Focus (point to related person which points back to the patient).
  - Use cases
    - Factors that may impact caregiving ability (caregiver role strain).
    - Considerable work and analysis has been done to define mother-baby relationship in this way, but this is new for caregiver-patient relationship.
Use of `_include` and `_revinclude` Search Parameters

Use case: Caregiver unable to provide care (discussed at CoF)
PatientCareTeam member is a relatedPerson (caregiver who provides ADLs). Caregiver has back strain and is unable to provide ADL support.

**Note:**
1. Observation.subject is provided for relationship to the patient record.
2. When Observation.focus is populated and not a subject, the resource (or profile) should clarify the context of the resource referenced. See https://jira.hl7.org/browse/FHIR-37736
3. relatedPerson.subject provides association to the person who’s care team it is.
Use of _include and _revinclude Search Parameters

MCC CareTeam Resource

CareTeamparticipantmember [reference]

RelatedPerson

[reference]

Observationfocus (e.g. relatedPerson)

CareTeamInclude referenced RelatedPerson

Observation_revinclude referencing resource