eCare Plan for People with Multiple Chronic Conditions (MCC)

PC-WG work plan for MCC eCare Plan

Joe Bormel, Lorraine Constable
Cognitive Medical Systems

Meeting Recorded

2021-08-04
# Authors of Implementation Guide

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Technical Expert Panels; Advisors: Floyd Eisenberg, Bryn Rhodes, many others.
See Implementation Guide for comprehensive references to contributors.
Objectives-
here is what we want to get out of discussion today

Feedback on ‘Health Status’ data elements
<table>
<thead>
<tr>
<th>Topic</th>
<th>Completed / Potential Available Dates</th>
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<tbody>
<tr>
<td>Data Element Review: Provide Project Update and Goal Review</td>
<td>2021-03-03</td>
</tr>
<tr>
<td>Data Element Review: Discuss recognized issues/concerns with T2D</td>
<td>2021-03-17</td>
</tr>
<tr>
<td>Data Element Review: Discuss recognized issues/concerns with CVD</td>
<td>2021-03-31</td>
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<tr>
<td>Data Element Review: Discuss recognized issues/concerns with Pain</td>
<td>2021-04-21</td>
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<td>Data Element Review: Social Concerns</td>
<td>2021-04-28</td>
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<tr>
<td>Patient Administration and Value Set Contexts of Use</td>
<td>2021-05-12</td>
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<tr>
<td>Data Element Review: Goals (+/- use FHIR Goals Resource)</td>
<td>2021-06-09</td>
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<tr>
<td>Computable Goals roles and boundaries</td>
<td>2021-06-23</td>
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<tr>
<td>Data Element Review: Health Status / Eval</td>
<td>2021-07-07</td>
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<tr>
<td>Update: experience/progress at OHSU</td>
<td>2021-07-21</td>
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<tr>
<td>Data Element Review: Health Status (all parts)</td>
<td>2021-08-04</td>
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<tr>
<td>Data Element Review: Interventions Review</td>
<td>2021-08-18</td>
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<tr>
<td>US Context: Interoperability Rules and the CSCP (speaker TBD)</td>
<td>2021-09-01</td>
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## Agenda

<table>
<thead>
<tr>
<th>June 21, 2021</th>
<th>Progress:</th>
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<tbody>
<tr>
<td>5:00-6:00 PM</td>
<td>Last session, 7/21</td>
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<tr>
<td></td>
<td><em>Implementation Experience of eCare Plan at OHSU</em></td>
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<tr>
<td></td>
<td>prior sessions here:</td>
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<td><a href="https://confluence.hl7.org/display/PC/MCC+Meeting+Minutes">https://confluence.hl7.org/display/PC/MCC+Meeting+Minutes</a></td>
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<thead>
<tr>
<th>5:10pm - 5:30pm</th>
<th>Plan:</th>
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<tbody>
<tr>
<td></td>
<td><em>Review Health Status data elements</em></td>
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<tr>
<td></td>
<td><em>Open Discussion</em></td>
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</table>

<table>
<thead>
<tr>
<th>5:30pm - 6pm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>
## Applying the Process

for Health Status

High prevalence issues, identified and named by the Expert Panels

1. **Result Attributes**
2. **Laboratory Results**
3. **Vital Signs & Related**
4. **Clinical Examination Results**

<table>
<thead>
<tr>
<th>Data element</th>
<th>Data element definition</th>
<th>Value for Reference Index (EACG or CRD)</th>
<th>Comments/Questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

1. **Result Attributes**
2. **Laboratory Results**
3. **Vital Signs & Related**
4. **Clinical Examination Results**

[Google Spreadsheet URL](https://docs.google.com/spreadsheets/d/1Wiqfwi8mfwPQylMwWFCCTCrp0U00EIPVGSKuzkWifyl/edit?usp=sharing)
Health Status

- Result Attributes
  - Laboratory Results
  - Clinical Examination Results
  - Pathology Results
  - Radiology /Imaging Results
  - Other Diagnostic/ Risk Screening/Assessments
  - Mental & Cognitive Health: PROs & Assessments
  - Patient-reported Outcomes: Sleep & Fatigue
  - Patient-reported Outcomes: Pain
  - Intervention Side effects & Effectiveness
  - Patient reported outcomes: Patient engagement / treatment plan maintenance
<table>
<thead>
<tr>
<th>Data element</th>
<th>Data Element Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Result Attributes</strong></td>
<td></td>
</tr>
<tr>
<td>Test date</td>
<td>The date the test/survey/assessment was administered.</td>
</tr>
<tr>
<td>Test location</td>
<td>Location (e.g., home, clinician office, hospital, etc) where each test/survey/assessment was administered.</td>
</tr>
<tr>
<td>Method</td>
<td>Type of technique/measure/methodology used to conduct the test/survey/assessment</td>
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<tr>
<td>Result units</td>
<td>The unit of measurement for the test result/assessment/survey (e.g., mL, grams, etc)</td>
</tr>
<tr>
<td>Unique Device Identifier</td>
<td>Numeric code for any device used in the testing process</td>
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<tr>
<td>Questionnaire name/identifier</td>
<td>A unique identifier (e.g., LOINC) for the specific questionnaire/measure and version used. Questionnaire responses should retain all components where possible (e.g., individual Qs + score).</td>
</tr>
<tr>
<td>Survey mode</td>
<td>The mode used for the collection of a survey/questionnaire (e.g., face to face, by telephone, mail, Internet, IVR, etc)</td>
</tr>
<tr>
<td>Ordered by</td>
<td>The name and contact information for the person who ordered the test/survey/assessment</td>
</tr>
<tr>
<td>Observer</td>
<td>The person who conducted the test/survey/assessment</td>
</tr>
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</table>
Result Attributes

- eGFR result
- Serum or Plasma or Blood Creatinine
- Urine albumin-to-creatinine ratio (UACR)
- Hemoglobin
- Transferrin saturation (Iron saturation)
- Hemoglobin A1c
- Serum or Plasma or Blood Potassium
- Corrected calcium
- Serum or Plasma or Blood Phosphorus
- Serum or Plasma or Blood Potassium
- Blood urea nitrogen
- Serum or Plasma or Blood ferritin
- Low density lipoprotein (LDL)
- Serum or Plasma Calcidiol (Vitamin D)
- Intact parathyroid hormone
- Serum or Plasma or Blood bicarbonate
- Serum or Plasma or Blood Sodium
- Serum or Plasma or Blood Chloride
- High Density Lipoprotein
- Serum or Plasma or Blood Triglycerides
- Serum or Plasma or Blood Total cholesterol
- Cystatin C
- Complete blood count - parent
  > Red blood cell count (erythrocytes)
  > White blood cell count (leukocytes)
  > Hematocrit
  > Mean corpuscular volume
  > Mean corpuscular hemoglobin concentration
  > Erythrocyte distribution width
  > Platelet count
  > Platelet distribution width
  > Platelet mean volume
- Serum or Plasma or Blood albumin
- Estimated average glucose
- Anion gap in body fluids
- Urine urea nitrogen
- Urine protein-to-creatinine ratio (UPCR)
- 24-hour urine volume
- 24-hour urine protein excretion
- Total Serum or Plasma or Blood Carbon Dioxide or Bicarbonate
- Serum or Plasma or Blood Calcium (not corrected)
- B-type natriuretic peptide (BNP) in blood products
Health Status

Result Attributes
  - Laboratory Results
  - Vital Signs & Related
  - Clinical Examination Results
  - Pathology Results
  - Radiology/Imaging Results
  - Other Diagnostic/Risk Screening/Assessments
  - Mental & Cognitive Health: PROs & Assessments

Patient-reported Outcomes: Sleep & Fatigue
  - Sleep disturbance
  - Sleep impairment
  - Sleep duration
  - Fatigue

Patient-reported Outcomes: Pain

Quality of Life and Wellbeing

Functional Status

Intervention Side effects & Effectiveness

Patient reported outcomes: Patient engagement / treatment plan maintenance

Behavioral outcomes

Social Status
Health Status

- Quality of Life
  - Global Health Score
  - Sexual satisfaction
  - Sexual health
  - Functional status - person reported
  - Functional Status - clinician interpretation
  - Functional status - clinical assessment
  - Treatment effect
  - Treatment side effects
  - Treatment satisfaction

- Patient reported outcomes: Patient engagement / treatment plan maintenance
- Caregiver activation
- Treatment/care plan maintenance

- Behavioral outcomes
- Social Status

- Patient-reported Outcomes: Sleep & Fatigue
  - Pain intensity/severity
  - Pain quality
  - Pain Timing
  - Pain catastrophizing
  - Pain interference
  - Pain Coping Strategies
  - Pain Behavior
  - Chronic Pain Acceptance
  - Pain Impact
  - Impact of reduced pain
  - Work absence from Pain
  - Reduced work/school productivity from pain
  - Pain bothersomeness
  - Self-Care in Chronic Pain

- Vital Signs & Related
- Clinical Examination Results
- Pathology Results
- Radiology/imaging Results
- Other Diagnostic/ Risk Screening/Assessments
- Mental & Cognitive Health: PROs & Assessments
- Laboratory Results

Result Attributes
Objectives-
here is what we want to get out of discussion today

Feedback on ‘Health Status’ data elements

Next time: Feedback on 'Interventions’ data elements