**Nutrition Project Calls**

**Orders & Observations Conference Call**

**May 30, 2017 – MINUTES**

Phone Number: +1 770-657-9270  
Participant Passcode: 398652

### Web Meeting Info

<https://eatright.webex.com/eatright/j.php?MTID=m358cf20a8bd56801d7287051ace25702>

Meeting number: 749 688 042   
Meeting password: 4sBfPAsE

**Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| 5/16 |  | Name | Organization |
| X | 1 | Margaret Dittloff | Academy Nutrition and Dietetics |
| X | 2 | Lindsey Hoggle | Academy Nutrition and Dietetics |
| X | 3 | Dave Carlson | Clinical Cloud Solutions LLC |
| X | 4 | James Allain |  |
| X | 5 | Ben Atkinson | Univ. Washington |
| X | 7 | Sue Kent | Cleveland Clinic |
| X | 8 | Molly Hegarty | RDNote |
| X | 9 | Liz Levenduski | Computrition |
| X | 10 | Russ Leftwich | Intersystems |
|  | 11 | Scott Stuewe |  |
|  | 12 | Della Rieley | DM&A |
| X | 13 | Elaine Ayres | NIH |
|  | 14 | Curt Coulter | CBORD |
|  | 15 | Cathy Walsh | St. Jude Children’s |
| X | 16 | Donna Quirk |  |
| X | 17 | Marty Yadrick | Computrition |
| X | 18 | Sandra Raup |  |
|  | 19 | Emma Jones | Allscripts |
| X | 20` | Sharon Solomon |  |

**Chair/Scribe: L.Hoggle/M. Dittloff**

**Proposed Agenda**

* Agenda Review
* Minutes (5/16) - see attached
  + Motion to approve minutes Elaine Ayres/Lindsey Hoggle
  + Against: 0 Abstaining: 2 In Favor: 9
* Coordinate Malnutrition Use Case for Clinicians on FHIR (with Patient Care chairs - Laura, Emma, and/or Russ)
  + Elaine noted that Patient Care is looking into the use of a “statement”
* GForge - NutritionOrder trackers:
* [GF#13415](http://gforge.hl7.org/gf/project/fhir/tracker/?action=TrackerItemEdit&tracker_item_id=13415) [#13415] Summary: Merge NutritionOrder texture and fluidConsistencyType NutritionOrder.oralDiet backbone element now has elements for describing the texture and fluidConsistency. Shouldn’t these concepts be merged into Consistency? Our use case describes only Consistency of food (SnomedCT: 229961002 Food consistency types). The FHIR profile can be more concise.
* Discussion:
  + non-persuasive based on the common need to be able to specify both the consistency of liquids/beverages and assign different textures to solid foods. This is in line with a new international dsyphagia standard which clearly depicts levels for both foods and liquids.  [http://iddsi.org/wp-content/ uploads/2013/07/IDDSI-Print- Post-Poster-1-What-is-IDDSI. pdf](http://iddsi.org/wp-content/uploads/2013/07/IDDSI-Print-Post-Poster-1-What-is-IDDSI.pdf)
  + Noted that this is no current way to specify ‘No Liquids’ so we would need to have this concept added to the SNOMED terminology and our FHIR example binding. Elaine will submit as separate tracker request.
  + Care plan has prohibited elements so we could look at something like oralDiet.prohibited
  + Motion: Recommend non-persuasive with mod
    - Sue Kent/Sharon Solomon Against: 0 | Abstain: 0 | In Favor 14

* Project Updates:  Proposed options for modeling food intake / administration in FHIR \*\*\*
  + - Observation
    - Care Plan Activity.detail
    - New resource proposal - NutritionStatement
      * (modeled after MedicationStatement) or ActivityStatement (to be discussed with Patient Care on their Wed 5/31 PC Care Plan call.

Meeting this Friday June 2 to outline use case and explore when Italian developers can join the call.

* Care Plan Use Case Scenarios
  + Nutrition use case(s) existing Diabetes Care Plan and potentially addition of Malnutrition Use Case

Malnutrition Chronic Condition-related Use Case: Proposed Flow

Elderly male (70 year old) with existing condition (previous smoker with lung cancer/COPD), living alone in home with limited income, recent unintended wt loss >20 lbs. Gets admitted to hospital due to injury from a fall.

* Malnutrition screen (Malnutrition Screening Tool - 3 part questionnaire, validated screening tool)  = 2 (at risk)    [https://static. abbottnutrition.com/cms-prod/ abbottnutrition-2016.com/img/ Malnutrition%20Screening% 20Tool\_FINAL\_tcm1226-57900.pdf](https://static.abbottnutrition.com/cms-prod/abbottnutrition-2016.com/img/Malnutrition%20Screening%20Tool_FINAL_tcm1226-57900.pdf)
* Nutrition/Dietitian Consult Order (inpatient) (Referral Request)
* Nutrition Assessment performed by dietitian including nutrition focused physical exam with findings of *muscle wasting* and *loss of subcutaneous fat*, *poor daily intake* (here we could explore using our new method of recording actual/reported intake) <estimated nutrient needs
* Nutrition Care Plan developed including reference to:
  + - Nutrition Intervention = Nutrition Orders to modify diet and add high calorie/high protein oral nutritional supplement 2x/day (NutritionOrder Resource reference)
    - Nutrition Education - referral to outpatient dietitian for follow-up
* Care Coordination - (referral for community services - e.g. Meals on Wheels, and Home Health Services upon discharge)
* Care plans should be updated and shared with outpatient dietitian, PCP and Home Health Agency, patient and family/care-giver (daughter)
* \*\*Would love to see ability for pt/caregiver to update actual intake regarding the meals and supplements after discharge, along with info on if he is taking his meds, etc.

Volunteers who will be attending San Deigo WGM:

* Sandra Raup – interested in working on it; would like to see a care plan (maybe for the diabetes) before admission, then the fall, and care plan reconciled after admission; with notification to update

Russ noted that we need multiple different pt w/ a body of data to support our use cases. 2-3 clinical scenarios. Clinicians on FHIR objective or clinical question: To determine when best to use in Care Plan & Nutrition Order and what combinations.

Margaret will join tomorrow’s PC Care Plan call to make our proposal and coordinate with the PC chairs. Call coordinates for those who also want to join:

[**Care Plan Topics (for Patient Care) - Care Plan Topics**](http://www.hl7.org/concalls/CallDetails.aspx?concall=35915)

May 31, 2017; 5:00 PM - 6:00 PM ET (GMT -5)

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**Reminders**

\*\* Separate call has been added for Friday June 2nd at 11 AM EDT to discuss modeling examples for food intake.  

[**FHIR Nutrition (for Orders and Observations) - FHIR Nutrition**](http://www.hl7.org/concalls/CallDetails.aspx?concall=36252)

Jun 02, 2017; 11:00 AM - 12:00 PM ET (GMT -5)  
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