



Minnesota Department of Human Services

PHR for LTSS *Demo*

*Minnesota's Personal Health Record for Long Term Services and Supports Demonstration
(funded by a CMS TEFT Grant)*

Minnesota eLTSS Pilot Approach

02/11/2016

OBJECTIVES

- High-level discussion on our thought process
- How we adapted ONC documents and came up with tools to help communicate and get information from our providers
- Share our process of working with the Collaborative to gather information in a structured manner
- Share some early work product from the Collaborative



WE HAVE GREAT PARTICIPANTS!



Minnesota Department of **Human Services**



*Minnesota's Personal Health Record for Long Term Services and Supports Demonstration
(Guided by a CIVIC TEST Group)*

INTERESTED AND ENTHUSIASTIC

- They are very interested and enthusiastic
 - Most of that is due to who they are as a community
 - We selected their community because they were “all in” for eHealth
- We went through all the participating organizations and settings last week
 - Bottom line: we’re collecting data from 10 organizations and 18 settings!
- They have “day jobs”
- They are busy serving patients and beneficiaries
- They respond well to concrete, tangible, well-defined data collection requests and tools



DATA-DRIVEN DISCOVERY

- Our participants are **EXPERTS** at defining and delivering CB-LTSS services
- They **LIVE** with their data – they know it and depend upon it
- Best way to get in the game was to dive into the data **FIRST...**
 - They're on solid ground regarding their data
 - This will help build awareness of our larger objectives as they sift through the data
- Going right for the data elements **FIRST** allows us to see what sub-domains (and Domains) were important to them by what was selected
- And then we worked our way back up through the User Story...
 - And then Objectives and Measures...



DATASET SUGGESTION TEMPLATE V1.0

D8 : ✕ ✓ fx {Setting 1, e.g. SNF}

	A	B	C	D	E	F	G	H
1	eLTSS Pilot Dataset Suggestions							
2	Rev: 12/20/15 12:50							
3								
4	Your organization name:							
5								
6								
7	Provider Data Legend:	Code	Code Description	Setting Description				
8		1	In EHR/HIT/Data System	{Setting 1, e.g. SNF}				
9		2	On paper, NOT in Data System	{Setting 1, e.g. SNF}				
10		3	In EHR/HIT/Data System	{Setting 2, e.g. Hospice}				
11		4	On paper, NOT Data System	{Setting 2, e.g. Hospice}				
12		etc. {add more codes for additional settings}						
13								
14								
15								
16								
17	Domain	Subdomain	Coded Element	Provider Data	Answer Type	Vocabulary	Additional Not	Exemplar Question
18	Person Information	Work	Employment status	1 (example)	Select from List	LOINC		Employment Status
19	Person Information	Work			Y/N			If Not Employed, Would you like to be employed? (ISSUE/GOAL)
20	Person Information	Work	Employment Benefits Indicator		Y/N	NCI caDSR		Do you receive sick leave?
21	Person Information	Work	Length of time in job	2 (example)	Free Text	SNOMED CT		Number of Months Employed
22	Person Information	Work	Income paid weekly Income paid monthly		Free Text	SNOMED CT		Wages (Weekly/Biweekly/Monthly)
23	Person Information	Work	Work hours per week		Free Text	LOINC		Number of Hours Worked (Weekly)
24	Person Information	Work			Free Text			Number of Hours Worked (Biweekly)

Dataset Suggestions

READY

9.2.1 ACTORS, ACTIVITIES AND SYSTEMS

1 **eLTSS Pilot Actors, Activities and Systems - V2.0**

2 Rev: 01/14/16 09:50

3

4 This references User Story 2, provided in the ONC's eLTSS Use Case.

5

6 Please complete a separate worksheet for each Setting represented at your organization (e.g. "LB Homes" and "Skilled Nursing Facility"), if you have more than one Setting.

7

8	Organization Name	Setting Name (if more than one)				
9						
10						
23						
	Primary Actor Role Determine your Primary Actor Role and describe how you see your Organization acting in this Role	Secondary Actor Role (if one) IF you believe you have a Secondary Actor Role, describe how you see your Organization acting in this	Activities	Activities You Perform For your Primary Actor Role , provide a very brief description of how you might perform each activity, if at all. It's OK to say you don't, too.	Suggested System(s) This is the anticipated system name you might use to perform these Activities	Your System(s) For your Primary Actor Role, provide your system Name and a very brief description of the system you use.
24	Actor					
25	Beneficiary / Advocate (daughter)		Access eLTSS plan		- "Beneficiary System"	
26			Authorize eLTSS plan Access			
27			Modify "non-regulated"/functional sections of eLTSS plan			
28			Approve modifications/updates to eLTSS plan			
29	eLTSS Plan Facilitator / Steward		Access eLTSS plan		- "Case Management System"	
30			Authorize eLTSS plan access			
31			Modify "non-regulated"/functional sections of eLTSS plan			
32			Approve modifications/updates to eLTSS plan			
33	CB-LTSS Provider		Receive eLTSS plan		- "LTSS Service Provider System"	
34			View eLTSS plan			
35			Execute eLTSS plan services and supports			
36	Clinical and Institutional-based Provider		Receive eLTSS plan		- "EHR System"	
37			Propose modifications			
38			Review eLTSS plan components			
39			Send modified clinical record reflecting proposed changes to eLTSS plan			
40	Payer		Receive and review eLTSS plan		- "Payer System"	
41			Authorize updated services within eLTSS plan		- "LTSS/Case Management"	
42			Send notification			
43						
44						

Actors Activities and Systems | Base Flow | Base Flow Visual Depiction

READY | COUNT: 0 | 73%

9.2.2 BASE FLOW BY STEP/ACTOR

A	B	C	D	E	F	G
1	eLTSS Base Flow - V2.0					
2	Rev: 01/14/16 09:50					
3						
4	This references User Story 2, provided in the ONC's eLTSS Use Case.					
5						
6	Please complete a separate worksheet for each Setting represented at your organization (e.g. "LB Homes" and "Skilled Nursing Facility"), if you have more than one Setting.					
7						
8	Organization Name	Setting Name (if more than one)				
9						
10						
23						
						Description of the "Event/Description" step For each Step that matches YOUR Primary Actor Role, add a very brief description of how you perform the "Event/Description" provided
24	Step Actor	Role	Event/Description	Input(s)	Output(s)	
25	1 Beneficiary / Advocate	Plan Access	Access plan	eLTSS plan	eLTSS plan	
26	2 Beneficiary / Advocate	Plan Modifier	Modify "non-regulated"/ functional section of plan	eLTSS plan	Modified eLTSS plan	
27	3 eLTSS Plan Facilitator / Steward	Plan Modifier	Modify plan services and access control with beneficiary approval	eLTSS plan	Modified eLTSS plan	
28	4 eLTSS Plan Facilitator / Steward	Plan Sender	Submit/share updated plan elements for review & service authorization	Modified eLTSS plan	Modified eLTSS plan	
29	5 Payer	Plan Access, Review	Receive and review modified eLTSS plan elements	Modified eLTSS plan	Modified eLTSS plan	
30	6 Payer	Plan Service Authorization	Authorize service modifications and send notification of authorization	Modified eLTSS plan	Modified eLTSS plan	
31	7 CB-LTSS Provider	Plan Viewer	View plan, provide service(s) based on plan	Modified eLTSS plan	Modified eLTSS plan	
32	8 Clinical and Institutional-based Provider	Plan Access and Review	Review relevant eLTSS components with beneficiary	Beneficiary Electronic Health Record	Beneficiary Electronic Health Record	

OBJECTIVES AND MEASURES (EXAMPLES)

1	eLTSS Pilot Objectives and Measures - Round One (April)						
2	Rev: 12/21/15 20:00						
3						Quantitative means we can measure it	
4	Organization Responding: <input type="text"/>					Qualitative is valuable, but harder to measure	
5							
6	Organization Objectives - What are your Organization's Objectives for participating in this eLTSS Pilot?						
7	ID	Objective Title	Description	Measure	Quant or Qual	Unit of Measure (for Quant)	Goal
8	1	eLTSS Form Prototype	Create a form from our data that are on the eLTSS list.	The Form gets created	Quant	Yes or No	Yes
9	2	Org awareness of eLTSS	Use the Pilot to inform our Org about LTSS data sharing opportunities	Exposure of the concept beyond the core team	Qual		Hold a Lunch 'n Learn education session
10	3						
11	4						
12	5						
13							
14	Collaborative Objectives - What do you see as the Objectives for the Community Collaborative for participating in this eLTSS Pilot?						
15	ID	Objective Title	Description	Measure	Quant or Qual	Unit of Measure (for Quant)	Goal
16	1	eLTSS Data Map	Map the eLTSS Data found at each Organization	The map gets created	Quant	Yes or No	Yes
17	2	eLTSS Data Sharing	eLTSS Data shared between Organizations	Each Org shares eLTSS data with another	Quant	# of transfers per Org	Two transfers per Org; one sent, one received

FUTURE CODES

eLTSS Pilot Dataset Suggestions - Template V3.0										
Rev: 01/24/16 14:30										
Your organization name: PioneerCare										
Provider Data Legend:			Data Code	Code Description	Setting Description	Future Code	Setting Name			
			1	In PCC	Skilled Nursing Facility	1	Skilled Nursing Facility			
			2	On paper, NOT in PCC	Skilled Nursing Facility	2	Assisted Living			
			3	In PCC	Assisted Living					
			4	On paper, NOT in PCC	Assisted Living					
ID	Domain	Subdomain	Coded Element	Data Code	Future Code	Answer Type	Vocabulary	Additional Note	Exemplar Question	
1	Person Information	Work	Employment status	2		Select from List	LOINC	Medicare Secondary questionnaire	Employment Status	
2	Person Information	Work				Y/N			If Not Employed, Would you like to be employed? (ISSUE/GOAL)	
3	Person Information	Work	Employment Benefits Indicator			Y/N	NCI caDSR		Do you receive sick leave?	



MISSING DATA ELEMENTS

272	258	Cross-Cutting Sub-domains	Issues							N/A
273	259	Cross-Cutting Sub-domains	Interventions (Technology)	Procedure / Intervention				SNOMED CT 362956003	2015 NPRM	N/A
274										
275	Dataset Coding 2 - Missing Data Elements									
276										
277	Enter data elements that you work with but are not in the table above.									
278										
279	Do your best to fill in Domain and Subdomain from the choices above. Describe the Data Element succinctly; Use Additional Notes to further describe it. Enter Data Code(s).									
280										
281		Provider Data Legend:	Data Code	Code Description	Setting Description					
282			1	In PCC	Skilled Nursing Facility					
283			2	On paper, NOT in PCC	Skilled Nursing Facility					
284			3	In PCC	Assisted Living					
285			4	On paper, NOT in PCC	Assisted Living					
286										
287										
288	ID	Domain	Subdomain	Data Element Description	Data Code				Additional Notes	
289	1									
290	2									
291	3									
292	4									
293	5									

Note minimum-required fields



HOMWORK #4 – MN PLAN ELEMENTS

Dataset Coding 3 - Minnesota LTSS Data Elements not found in the ONC Dataset Suggestions									
The table below represents an analysis of the fields contained in the Minnesota Community Support Plan (CSP), the Minnesota Coordinated Services and Support Plan (CSSP), and the Minnesota MnCHOICES Assessment.									
As you did with the first Dataset Coding exercise, identify all the data elements you need/work with for each setting in your organization by using one or more codes below in the Data Code column.									
Provider Data Legend:		Data Code	Code Description	Setting Description					
		1	In EHR/HIT/Data System	Skilled Nursing Facility - PCC					
		2	On paper, NOT Data System	Skilled Nursing Facility					
		3	In EHR/HIT/Data System	Assisted Living Facility - PCC					
		4	On paper, NOT Data System	Assisted Living Facility					
NOTE: In the MN CSP/CSSP, 104 fields have a corresponding field in the current eLTSS Standard Exemplar dataset. A large number of fields are duplicated multiple times in the CSP/CSSP (see "Repeated Field?" value). 136 fields in the CSP/CSSP do not appear to have any corresponding field in the eLTSS Standard Exemplar Dataset.									
ID	Domain	Subdomain	Data Element Description	Data Code	Item #	Field Type	Repeated Field?	Additional Notes	
1		Assessment Info	Assessment ID		011	Text	N		
2			Assessment Date		012	Date	N		
3			New/Reassessment		013	Text	N		
4			Level of Care		014	Text	N	List the Level of Care the person meets in order to qualify for a program or service included in this plan. If no level of care, list NONE.	
5			Case Mix		015	Text	N		

Early Homework Results



Minnesota Department of **Human Services**



ORGANIZATION OBJECTIVES

ID	Objective Title	Description	Measure	Quant or Qual	Unit of Measure (for Quant)	Goal
1	eLTSS Form Prototype	Create a form from our data that are on the eLTSS list.	The Form gets created	Quant	Yes or No	Yes
2	Create data list	Identify shareable data with HIPAA restrictions	Data is identified	Quant	Yes or No	Yes
3	Create form prototype	Create a form with data we can release	Form is created	Quant	Yes or No	Yes
4	Org education	Use form and pilot project to inform our organization of data sharing opportunities	Share information with treatment team	Qual		Provide information within staff meeting
5	Increase Person Centered Planning	Continue to enhance service planning with person centered concepts	Care Plans show person centered focus	Qual		Train all staff
6	Org awareness of eLTSS	Use the Pilot to inform our Org about LTSS data sharing opportunities	Exposure of the concept beyond the core team	Qual		Hold education session
7	Review internal documentation system	Review ongoing use of SSIS and/or PhDoc with varying caseloads	# staff moved	Quant		2 assessment staffed moved into PhDoc
8	DHS data in PHR	PHR is used to share information between beneficiary and providers.	PHR has data from DHS	Quant	Yes or No	Authorized users can view information
9	Establish a PHR for Waivered Consumers	Create a form from our data that are on the eLTSS list.	The Form gets created	Quant	Yes	Yes



COLLABORATIVE OBJECTIVES

ID	Objective Title	Description	Measure	Quant or Qual	Unit of Measure (for Quant)	Goal
1	eLTSS Data Map	Map the eLTSS Data found at each Organization	The map gets created	Quant	Yes or No	Yes
2	eLTSS Data Sharing	eLTSS Data shared between Organizations	Each Org shares eLTSS data with another	Quant	# of transfers per Org	Two transfers per Org; one sent, one received
3	Community Collaboration	Work together with participating healthcare providers to ensure program success, healthcare needs coordinated	eLTSS data is successfully shared	Qual		Improved patient outcomes at lower cost
4	eLTSS Data map	Create information list/map of what can be shared between organizations	List/map gets created	Quant	Yes or no	List which describes information that can be shared and that which cannot due to privacy limitations
5	HIE advancement in our collaborative	continue use of HIE technology we've worked toward and have access to to continue more use of this	ID email addresses to access points at each provider	Quant		begin more exchange of eLTSS data electronically
6	eLTSS Data Sharing/Communication	eLTSS Data shared between Organizations and increased communication	Each Org shares eLTSS data with another	Quant		understand the data each other has and how they have it stored
7	ID missing data	Compare what is needed to what is being captured.	List of missing data elements	Quant	Missing data	Only capture data needed to meet beneficiary need
8	ID duplication of data collection	Data requirements from other regulations that add to the burden of provider work	List of regulations to be addressed	Quant	List	List provided to ONC to work with other federal agencies.
9	Leadership	Provide input to the ONC on what is practical for use at the care delivery level	Feedback to ONC	Qual	Participation and input	Input provided to ONC.
10	eLTSS community sharing	Public forum to inform interested parties of our work	One community event	Quant	Yes or No	Yes



DATA ELEMENT HEAT MAP BY DOMAINS

1 eLTSS Pilot Dataset Sub-domain Heat Map - Domain View

2 Rev: 01/14/16 22:00

4 Cool Blue: 0-24 Warm Yellow: 24-49 Red Hot: 50+

	eLTSS Plan Facilitator / Steward		CB-LTSS Provider			Clinical and Institutional-based Provider				Payer
	Org 1	Org 2	Org 3	Org 4	Org 5	Org 6	Org 7	Org 8	Org 9	Org 10
8 Cross-Cutting Sub-domains	2	2	1			1	1			2
9 Family and Caregiver Information	21	21	4			4	3	30		14
10 Health, Wellness, and Rights	57	75	51			48	53	83		71
11 Person Information	59	63	41			35	49	44		46
12 Service Planning and Coordination	15	12	6			14	6	24		15
13	154	173	103	0	0	102	112	181	0	148
14 <i>Percent of Total Elements:</i>	59%	67%	40%	0%	0%	39%	43%	70%	0%	57%
15										



1 eLTSS Pilot Dataset Sub-domain Heat Map - Sub-domain View

2 Rev: 01/14/16 22:00

5 Cool Blue: 0-10 Warm Yellow: 11-14 Red Hot: 15+

7	eLTSS Plan Facilitator / Steward	CB-LTSS Provider					Clinical and Institutional-based Provider				Payer Org 10		
		Org 1		Org 2		Org 3	Org 4	Org 5	Org 6	Org 7		Org 8	Org 9
		Org 1	Org 2	Org 3	Org 4	Org 5	Org 6	Org 7	Org 8	Org 9			
9 Cross-Cutting Sub-domains													
10	Goals	1	1					1	1			1	
11	Interventions (Technology)												
12	Issues												
13	Priorities	1	1										
14	Units of Service			1								1	
15 Family and Caregiver Information													
16	Access & Support Delivery	3	3							5		2	
17	Community Connections	9	9							11		3	
18	Family Information	6	6	4			3	2	7			6	
19	Information & Planning	3	3				1	1	7			3	
20 Health, Wellness, and Rights													
21	ADLs/IADLs	17	18	14			12	15	15			18	
22	Health	14	17	3			16	16	11			15	
23	Medications	7	13	7			12	14	15			14	
24	Psychological Well-Being	1	3	9			3	1	9			4	
25	Restrictions	3	3	10					9			1	
26	Safety	8	8	6			3	2	11			10	
27	Wellness	7	13	2			2	5	13			9	
28 Person Information													
29	Choice & Decision Making											2	
30	Community Inclusion	13	13	6			2	1	13			1	
31	Demographics	21	21	18			21	20	17			20	
32	Person-Centered Profile	10	10	3			3	6	5			9	
33	Relationships	1	3				1	1	3			1	
34	Residence	7	7	4			4	9	4			3	
35	Self-Direction	3	4				3	1	1			7	
36	Work	4	5	10			1	11	1			3	
37 Service Planning and Coordination													
38	Personal Finance Information	3	3	1			1		6			2	
39	Service Coordination	4	1	1			3		6			5	
40	Service Information	8	8	4			10	6	12			8	

EARLY HEAT MAP THOUGHTS

- **Not to be relied upon**
 - **Not all the data is in**
 - **Not all Organizations have turned in their homework, and...**
 - **... we don't have all the data we're going to be gathering yet, so it's an incomplete picture**
 - **Arbitrary groupings**
 - **Some Organizations have multiple settings – future charts will have 18 subs**
 - **Absolute number of data elements chosen do not represent relative value domain-to-domain, sub-domain-to-subdomain**
- **However, it's a useful gross metric that can be used to compare Actor-to-Actor, Setting-to-Setting**
- **We can see some Domains are of great interest (sheer number of Data Elements chosen)**



QUESTIONS?



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