



FEI Systems

Connecting Every Dimension of
Health and Human Services

FASAMS Requirements Document

Revamp Treatment Episode data set WI 10005

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GENERAL

VERSION CONTROL

Date	Version	Author(s)	Brief Description of Change
6/20/2019	1.0	Jesse Lindsey	Initial document creation
7/15/2019	1.1	Jesse Lindsey	Updated document after JAD session
7/22/2019	1.2	Jesse Lindsey	Updated document
7/23/2019	1.3	Yiwen Ma	FEi Internal Review
7/25/2019	1.4	Jesse Lindsey	Update after discussion with Yiwen and dev team
11/13/2019	1.5	Jesse Lindsey	Update document after review with MEs and DCF

STAKEHOLDERS

Role	Name
FEI Implementation Manager	Jesse Lindsey
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DCF SAMH Project Sponsor	Jonathan Hall
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SUPPORTING DOCUMENTS AND REFERENCES

- [New Treatment Setting crosswalk](#)
- [FASAMS Enhancement Request Treatment Episode Data Set](#)
- [Memorandum 20190514-B](#)

TERMS AND DEFINITIONS

Terms	Description

SCOPE

INITIAL REQUEST & ASSUMPTIONS

Business Statement

The current system needs enhancement to address the following business requirements:

- Realign the Treatment Setting codes and Covered Services to have a 1 to 1 relationship
- Ability to submit initial and transfer admission records based on business-driven processes and practices rather than data-driven processes (e.g., TEDS data collection processes).
- Ability to collect and report service duration for persons, who need long-term or short-term services at the time of their initial or transfer admission in residential/rehabilitation service setting.
- Ability to collect and report service intensity for persons, who need intensive or non-intensive services at the time of their initial or transfer admission in ambulatory outpatient service setting.

- Ability to collect and report data for persons, who need only methadone detoxification services at the time of their initial or transfer admission in ambulatory outpatient service setting.
- Ability to validate covered services and projects that can be reported as client-specific and non-client-specific in Service Event table under each service setting.
- Ability to provide more accurate crosswalk to TEDS Service/Treatment Setting Codes

Scope Definition

Enhance Treatment Episode data set by expiring TreatmentSettingCodes and adding new TreatmentSettingCodes as well as adding ServiceDuration, ServiceIntensity, and AmbulatoryDetoxOnly fields to the Admission subentity.

EXISTING FUNCTIONALITY

- FASAMS currently has the following TreatmentSettingCodes defined in the Treatment Episode vocabulary:
 - **03** for Rehabilitation/Residential-Hospital (other than Detoxification)
 - **04** for Rehabilitation/Residential -Short term (30 days or fewer)
 - **05** for Rehabilitation/Residential –long-term term (30 days or more)
 - **06** for Ambulatory – Intensive outpatient
 - **07** for Ambulatory – Non-Intensive outpatient
 - **08** for Ambulatory Detoxification
 - **97** for Non-TEDS Tx Service Settings

PROPOSED FUNCTIONALITY

- Deactivate/expire the existing Treatment Setting Codes in Table 3 of Appendix 1, on 1/1/2020, as follows:
 - **03** for Rehabilitation/Residential-Hospital (other than Detoxification)
 - **04** for Rehabilitation/Residential -Short term (30 days or fewer)
 - **05** for Rehabilitation/Residential –long-term term (30 days or more)
 - **06** for Ambulatory – Intensive outpatient
 - **07** for Ambulatory – Non-Intensive outpatient
 - **08** for Ambulatory Detoxification
 - **97** for Non-TEDS Tx Service Settings
- Add new Treatment Setting Codes in **Table 3 of Appendix 1** as follows.
 - **09** for Crisis Stabilization provided under a CMHC provider
 - **10** for Residential/Rehabilitation
 - **11** for Residential Treatment Center
 - **12** for Inpatient Hospital
 - **13** for Ambulatory Outpatient
 - **14** for Other Service Settings
- Old to New Treatment Settings conversions:
 - 03 for Rehabilitation/Residential-Hospital (other than Detoxification)
 - With CSU becomes TreatmentSettingCode 09 for Crisis Stabilization provided under a CMHC provider
 - With Inpatient becomes TreatmentSettingCode 12 for Inpatient Hospital
 - 04 for Rehabilitation/Residential -Short term (30 days or fewer)
 - Becomes TreatmentSettingCode 10 for Residential/Rehabilitation PLUS ServiceDuration = 2
 - 05 for Rehabilitation/Residential –long-term term (30 days or more)
 - Becomes TreatmentSettingCode 10 for Residential/Rehabilitation PLUS ServiceDuration = 1
 - 06 for Ambulatory – Intensive outpatient
 - Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 1 PLUS AmbulatoryDetoxOnly = 0

- 07 for Ambulatory – Non-Intensive outpatient
 - Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 2 PLUS AmbulatoryDetoxOnly = 0
- 08 for Ambulatory Detoxification
 - Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 2 PLUS AmbulatoryDetoxOnly = 1
- 97 for Non-TEDS Tx Service Settings
 - Becomes TreatmentSettingCode 14
- Update Table 3 of Appendix 1 to reflect new Service Settings and applicable covered services and projects as specified in Memorandum 20190514-B, Attachment 1 section.
- Add the following data elements to Admission Subentity of Provider Treatment Episode.
 - **ServiceDuration**
 - This field indicates the clinical assessment of the person needs for long-term service duration (at least 30 days) or short-term service duration (less than 30 days) at the time of his/her initial or transfer admission into a Residential/Rehabilitation Service Setting.
 - Required only if TreatmentSettingCode is 10 (Residential/Rehabilitation)
 - Must be one of the following values:
 - 1 for long-term duration
 - 2 for short-term duration
 - **ServiceIntensity**
 - This field indicates the clinical assessment of the person needs for intensive services (at least two service events in three consecutive days per week) or non-intensive services at the time of his/her initial or transfer admission into an Ambulatory Outpatient Service Setting.
 - Required only if TreatmentSettingCode is 13 (Ambulatory Outpatient)
 - Must be one of the following values:
 - 1 for Intensive Services
 - 2 for Non-Intensive Services
 - **AmbulatoryDetoxOnly**
 - This field indicated the clinical assessment of the person needs to receive only ambulatory detoxification services at the time of his/her initial or transfer admission into an Ambulatory Outpatient Service Setting
 - Required only if TreatmentSettingCode is 13 (Ambulatory Outpatient)
 - Must be one of the following values:
 - 0 for No
 - 1 for Yes
- Update TEDS crosswalk using new TreatmentSettingCodes
- Update TEDS extract to pull new TreatmentSettingCodes (if necessary)
- Create Update SQL statements for submitting entities based on expiring Treatment Setting Codes so the new Treatment Setting Code/ServiceDuration/ServiceIntensity/AmbulatoryDetoxOnly combination replaces the old Treatment Setting Code correctly

INITIAL ESTIMATE/ QUOTE HISTORY

Phase/ Quote Date	Item(s)	Description	Estimate/ Quote
7/23/2019	10005	Initial Estimate	

7/23/2019	10005	Final Estimate	Final Estimate: Dev -- Test -- Analysis -- AM/PM -- Total:
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REQUIREMENTS

Req. ID	Requirement	Ref. ID	Dev	QA
1.0	Expiration of Treatment Setting codes		<input type="checkbox"/>	<input type="checkbox"/>
1.1	Set the following Treatment Setting codes to expire on 1/1/2020: <ul style="list-style-type: none"> ▪ 03 for Rehabilitation/Residential-Hospital (other than Detoxification) ▪ 04 for Rehabilitation/Residential -Short term (30 days or fewer) ▪ 05 for Rehabilitation/Residential –long-term term (30 days or more) ▪ 06 for Ambulatory – Intensive outpatient ▪ 07 for Ambulatory – Non-Intensive outpatient ▪ 08 for Ambulatory Detoxification ▪ 97 for Non-TEDS Tx Service Settings 		<input type="checkbox"/>	<input type="checkbox"/>
2.0	Creation of Treatment Setting codes		<input type="checkbox"/>	<input type="checkbox"/>
2.1	Create the following TreatmentSettingCodes: <ul style="list-style-type: none"> ▪ 09 for Crisis Stabilization provided under a CMHC provider ▪ 10 for Residential/Rehabilitation ▪ 11 for Residential Treatment Center ▪ 12 for Inpatient Hospital ▪ 13 for Ambulatory Outpatient ▪ 14 for Other Service Settings 		<input type="checkbox"/>	<input type="checkbox"/>
2.2	Create Valid Association relationships between new TreatmentSettingCodes and corresponding CoveredServiceCodes or ProjectCodes based on Memorandum 20190514-B, Attachment 1 section.			
3.0	Create the following data elements to Admission Subentity of Provider Treatment Episode		<input type="checkbox"/>	<input type="checkbox"/>
3.1	ServiceDuration <ul style="list-style-type: none"> ▪ Value Type: String ▪ Required only if TreatmentSettingCode is 10 (Residential/Rehabilitation) ▪ Must be one of the following values: <ul style="list-style-type: none"> ○ 1 for long-term duration ○ 2 for short-term duration 		<input type="checkbox"/>	<input type="checkbox"/>
3.2	ServiceIntensity <ul style="list-style-type: none"> ▪ Value Type: String ▪ Required only if TreatmentSettingCode is 13 (Ambulatory Outpatient) ▪ Must be one of the following values: <ul style="list-style-type: none"> ○ 1 for Intensive Services ○ 2 for Non-Intensive Services 		<input type="checkbox"/>	<input type="checkbox"/>
3.3	AmbulatoryDetoxOnly <ul style="list-style-type: none"> ▪ Value Type: String ▪ Required only if TreatmentSettingCode is 13 (Ambulatory Outpatient) ▪ Must be one of the following values: <ul style="list-style-type: none"> ○ 0 for No 		<input type="checkbox"/>	<input type="checkbox"/>

Req. ID	Requirement	Ref. ID	Dev	QA
	○ 1 for Yes			
4.0	TEDS updates			
4.1	Update TEDS crosswalk using new TreatmentSettingCodes			
4.2	Refer to Appendix (below) for the change in logic for the following fields: <ul style="list-style-type: none"> • MDS18 • DIS 7 • DIS16 			
5.0	Update Treatment Setting Codes so the new TreatmentSettingCode / ServiceDuration / ServiceIntensity / AmbulatoryDetoxOnly combination replaces the old Treatment Setting Code correctly			
5.1	Data migration needed for one-time adjustment of historical Treatment Settings: <ul style="list-style-type: none"> ▪ 03 for Rehabilitation/Residential-Hospital (other than Detoxification) <ul style="list-style-type: none"> ▪ With CSU becomes TreatmentSettingCode 09 for Crisis Stabilization provided under a CMHC provider ▪ With Inpatient becomes TreatmentSettingCode 12 for Inpatient Hospital ▪ 04 for Rehabilitation/Residential -Short term (30 days or fewer) <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 10 for Residential/Rehabilitation PLUS ServiceDuration = 2 ▪ 05 for Rehabilitation/Residential –long-term term (30 days or more) <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 10 for Residential/Rehabilitation PLUS ServiceDuration = 1 ▪ 06 for Ambulatory – Intensive outpatient <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 1 PLUS AmbulatoryDetoxOnly = 0 ▪ 07 for Ambulatory – Non-Intensive outpatient <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 2 PLUS AmbulatoryDetoxOnly = 0 ▪ 08 for Ambulatory Detoxification <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 13 for Ambulatory Outpatient PLUS ServiceIntensity = 2 PLUS AmbulatoryDetoxOnly = 1 ▪ 97 for Non-TEDS Tx Service Settings <ul style="list-style-type: none"> ▪ Becomes TreatmentSettingCode 14 			
6.0	Updates to reports			
6.1	Update the following reports: <ul style="list-style-type: none"> ▪ SABG 10 - modify the stored procedure to map the new codes to the detox group, this should not add any new detox groups just update the existing ones (listed below). <ul style="list-style-type: none"> ▪ 'Detoxification (24-Hour Care)', '1. Hospital Inpatient', 1 ▪ 'Detoxification (24-Hour Care)', '2. Free- Standing Residential', 2 ▪ 'Rehabilitation/Residential', '3. Hospital Inpatient', 3 ▪ 'Rehabilitation/Residential', '4. Short-term (up to 30 days)', 4 ▪ 'Rehabilitation/Residential', '5. Long-term (over 30 days)', 5 ▪ 'Ambulatory (Outpatient)', '6. Outpatient', 6), ▪ 'Ambulatory (Outpatient)', '7. Intensive Outpatient', 7) ▪ 'Ambulatory (Outpatient)', '8. Detoxification', 8), ▪ 'Opioid Replacement Therapy', '9. ORT Detoxification', 9 ▪ 'Opioid Replacement Therapy', '10. Opioid Replacement Therapy', 10 ▪ SABG 11 <ul style="list-style-type: none"> ▪ treatment setting code of 1100.97 ▪ URS 6 (MHBG 10B) <ul style="list-style-type: none"> ▪ Update Stored procedures and hard coded mappings 			

Req. ID	Requirement	Ref. ID	Dev	QA
	<ul style="list-style-type: none"> ▪ Teds <ul style="list-style-type: none"> ▪ Admission View <ul style="list-style-type: none"> ▪ discharge and mental health use admission so we don't need to modify those, just the admission one ▪ BCI <ul style="list-style-type: none"> ▪ Modify CreateBasicClientInformationExtract mappings 			
7.0	Update Service Event data set rule			
7.1	Change the existing rule: <ul style="list-style-type: none"> • TreatmentSettingCode must be 06, 07, or 97 when a ServiceEvent is related to an ImmediateDischarge. To: <ul style="list-style-type: none"> • TreatmentSettingCode must be 06, 07, 97, 13, or 14 when a ServiceEvent is related to an ImmediateDischarge. 			

APPENDIX

MDS18:

MDS 18 (key field)	Type of Treatment Service/Setting		To be derived by the system based on the Admission's TreatmentSettingCode, ProgramAreaCode, and the Provider's ContractualRelationshipCode	
-	01 Detoxification, 24-hour service, Hospital Inpatient	-	-	-
	02 Detoxification, 24-hour service, Free-Standing Residential		02	TreatmentSettingCode is 02 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	03 Rehabilitation/Residential - Hospital (other than Detoxification)		03	TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 2, 4, 5 or 6 and (ContractualRelationshipCode is 1, 2 or 5
	04 Rehabilitation/Residential - Short term (30 days or fewer)		04	TreatmentSettingCode is 04 or 10 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	05 Rehabilitation/Residential - Long term (more than 30 days)		05	TreatmentSettingCode is 05 or 10 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	06 Ambulatory - Intensive outpatient		06	TreatmentSettingCode is 06 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	07 Ambulatory - Non-intensive outpatient		07	TreatmentSettingCode is 07 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	08 Ambulatory - Detoxification		08	TreatmentSettingCode is 08 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	72 State psychiatric hospital		72	TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 3 or 4
	73 SMHA funded/operated community-based program		73	TreatmentSettingCode is 06 or 07 or 13 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	74 Residential treatment center		74	TreatmentSettingCode is 04 or 05 or 10 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	75 Other psychiatric inpatient		75	TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	76 Institutions under the justice system			

	96	Not Applicable (use only for codependents or collateral clients (SU) and for MH clients receiving MH assessments, evaluation, or screening only)		96	IsCodependentCode is 1 (Yes)
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DIS7:

DIS 7 (key field)	Type of Treatment Service/Treatment Setting	To be derived by the system based on the Admission's TreatmentSettingCode, ProgramAreaCode, and the Provider's ContractualRelationshipCode			
	01	Detoxification, 24-hour service, Hospital Inpatient	-	-	
	02	Detoxification, 24-hour service, Free-Standing Residential	02		TreatmentSettingCode is 02 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	03	Rehabilitation/Residential - Hospital (other than Detoxification)	03		TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 2, 4, 5 or 6 and (ContractualRelationshipCode is 1, 2 or 5
	04	Rehabilitation/Residential - Short term (30 days or fewer)	04		TreatmentSettingCode is 04 or 10 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	05	Rehabilitation/Residential - Long term (more than 30 days)	05		TreatmentSettingCode is 05 or 10 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	06	Ambulatory - Intensive outpatient	06		TreatmentSettingCode is 06 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	07	Ambulatory - Non-intensive outpatient	07		TreatmentSettingCode is 07 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	08	Ambulatory - Detoxification	08		TreatmentSettingCode is 08 or 13 and ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	72	State psychiatric hospital	72		TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 3 or 4
	73	SMHA funded/operated community-based program	73		TreatmentSettingCode is 06 or 07 or 13 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	74	Residential treatment center	74		TreatmentSettingCode is 04 or 05 or 10 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	75	Other psychiatric inpatient	75		TreatmentSettingCode is 03 or 09 and ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5
	76	Institutions under the justice system			
	96	Not Applicable (use only for codependents or collateral clients (SA) and for MH clients receiving MH assessments, evaluation, or screening only)	96		IsCodependentCode is 1 (Yes)

DIS16: Same as MDS18