FASAMS Requirements Document

Update TEDS extract code to reflect Version 14 changes WI 12542

Created by: Jesse Lindsey

Dated: 4/3/2020

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# General

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Author(s) | Brief Description of Change |
| 4/3/2020 | 1.0 | Jesse Lindsey | Initial document creation |
| 8/6/2020 | 1.1 | Jesse Lindsey | Update document |
| 8/15 – 9/1 | 1.2 | Jesse Lindsey | Document updates based on conversations with Rich and Ed |
| 10/13 – 12/15 | 1.3 | Jesse Lindsey | Multiple updates per conversations with DCF and FEI team members |
|  |  |  |  |

## Stakeholders

|  |  |
| --- | --- |
| Role | Name |
| FEI Implementation Manager | Jesse Lindsey |
| FEI Account Manager | Kory Schnoor |
| FEI Product Manager | Jessica Knott |
| DCF OITS Project Director | Nathan McPherson |
| DCF SAMH Project Sponsor | Jonathan Hall |
| DCF Business Analysts | Gregory Nix / Victor Gaines |

## Supporting Documents and References

* TEDSxwalk -- [https://unite.feisystems.com/collab/FASAMS/Shared/Operations%20and%20Maintenance/Enhancements/Enhancements%202020.10.0%20(Q1%202020-2021)/WI%2012542%20Update%20TEDS%20extract%20code%20to%20Version%2014/TEDSxwalk.xlsx?Web=1](https://unite.feisystems.com/collab/FASAMS/Shared/Operations%20and%20Maintenance/Enhancements/Enhancements%202021.01.0%20%28Q2%202020-2021%29/WI%20316487%20Update%20TEDS%20extract%20code%20to%20Version%2014/TEDSxwalk.xlsx?Web=1)

## Terms and Definitions

|  |  |
| --- | --- |
| Terms | Description |
|  |  |
|  |  |

# Scope

## Initial Request & Assumptions

### Business Statement

DCF and the DAC Subcommittee has identified the Treatment Setting codes as one of the primary issues in FASAMS currently. As such, DCF has decided to remove Treatment Settings and their codes from the entire FASAMS system. This will allow the managing entities to more easily submit data to the system and decrease the number of data validation errors. Treatment Settings are used in the generation of the TEDS extract each month. In FASAMS Version 14, Placement Record.PlacementCode replace the function of the Treatment Settings so the TEDS extract must be updated to map the new PlacementRecord.PlacementCode to the Treatment Settings required to be submitted in the TEDS extract.

### Scope Definition

The TEDS extract for FASAMS version 13 will be updated to meet SAMH needs. Also, a TEDS extract will be created for FASAMS Version 14 which will include the changes made to FASAMS Version 13 TEDS extract as well as the necessary mapping between PlacementRecord.PlacementCode to Treatment Settings required by TEDS submission standards, identified in *Treatment Episode Data Set (TEDS) State Instruction Manual.*

## Existing Functionality

Currently FASAMS has code to generate a TEDS extract based on FASAMS Version 13. FASAMS Version 14 has not been coded to perform a TEDS extract.

## Proposed Functionality

FASAMS Version 14 will generate a TEDS extract will be appended to the existing TEDS extract that is generated from FASAMS Version 13. The Version 14 TEDS data will be exported on the same day as the Version 13 export, on the 21st of each month.

## Initial Estimate/ Quote History

|  |  |  |  |
| --- | --- | --- | --- |
| Phase/ Quote Date | Item(s) | Description | Estimate/ Quote |
| 09/03/2020 | 12542 | Initial Estimate | 181 - 375 |
| 09/03/2020 | 12542 | Final Estimate | **Final Estimate:**Analysis - 32Dev - 144Test - 136Acct / Project Management - 12**Total - 324** |

# Requirements

## Notes to Developer

Note: the FASAMS Version 14 TEDS code will be a replica of FASAMS Version 13 TEDS with a few changes to some TEDS fields. The Version 14 extract will be appended to the existing TEDS file so that only one TEDS file-type will be generated each month (Admission, Discharge, and Update file types).

## Update FASAMS TEDS Version 13 View

| Req. ID | Requirement | Ref. ID | Dev | QA |
| --- | --- | --- | --- | --- |
| 1.0 | Update crosswalk in TEDS Version 13 View |  |[ ] [ ]
| 1.1 | MHA1B/MHD2B:* If MHA1A/MHD2A is Unknown (999.9997), then MHA1B/MHD2B should be reported as Not Collected (999.9998)
 |  |[ ] [ ]
| 1.2 | MHA1C/MHD2C:* If MHA1A/MHD2A is Unknown (999.9997), then MHA1C/MHD2C should be reported as Not Collected (999.9997)
 |  |[ ] [ ]
| ~~1.3~~ | ~~SUDS 18~~ – This requirement has been per DCF* ~~Mark all SUDS 18 as code 3~~
 |  |[ ] [ ]
|  |  |  |[ ] [ ]

## Create FASAMS TEDS Version 14 View

| Req. ID | Requirement | Ref. ID | Dev | QA |
| --- | --- | --- | --- | --- |
| 2.0 | Replicate the FASAMS TEDS Version 13 View to become TEDS Version 14 View* Note: use the view with new changes identified in 1.1 and 1.2
 |  |[ ] [ ]
| 2.1 | Update new TEDS Version 14 View |  |[ ] [ ]
| 2.1.1 | Update SUDS 6 crosswalk: * If client has gender of female:
	+ If PregnancyTrimesterCode is 4400.1, 4400.2, or 4400.3 then submit 1 for YES. If PregnancyTrimesterCode is null submit 0 for NO.
* If client has gender of male:
	+ Submit 6 for Not applicable (Male)
		- Note this should not have changed between V13 and V14

Sample query from DCF:/\*For pregnant women\*/Declare @Start DATETIME;Declare @End DATETIME;Set @Start = '07-01-2019' Set @End = '06-30-2020'select count (distinct Identifier)  from [ServiceEventModule].[ServiceEvent] S inner join [TreatmentEpisodeModule].[Admission] A on S.[AdmissionKey] = A.[AdmissionKey]  inner join [TreatmentEpisodeModule].[ProviderTreatmentEpisode] E on A.[ProviderTreatmentEpisodeKey] = E.[ProviderTreatmentEpisodeKey]  inner join [ProviderModule].[ProviderClientIdentifier] I on E.[ProviderClientKey] = I.[ProviderClientKey]left outer join [TreatmentEpisodeModule].[PerformanceOutcomeMeasure] Oon O.[AdmissionKey] = A.[AdmissionKey]left outer join [TreatmentEpisodeModule].[Health] Hon H.[HealthKey] = O.[HealthKey] where S.[IsEntityDeleted] = 0 and A.[IsEntityDeleted] = 0 and E.[IsEntityDeleted] = 0 and S.[SubmittingEntityKeyReference] in ('8D7985FC-E746-4D51-AE32-A8FC009C0866','3AC07BAD-B75D-4195-A39C-A8FC009C3C29','7568C215-EEE4-4AB6-92F1-A8FC009C4EEA','D1468FA2-F0BF-4E2E-906A-A8FC009C1653', 'C2EEC1F2-CFEA-4369-80F3-A8FC009C227D','CFFC7932-0D52-45CA-87B0-A8FC009C6072','6DB7016B-F490-4E7A-8ABC-A8FC009C2E84')and [ServiceDate] between @Start and @Endand [PregnancyTrimesterCode] in ('4400.1','4400.2','4400.3') |  |  |  |
| 2.1.2 | Update MDS4 **AND** DIS14 crosswalk (TEDSxwalk, rows 30 – 34):* FASAMS to TEDS crosswalk
	+ TEDS Code: A Initial Admission (SU)
		- From FASAMS: AdmissionDate with ProgramAreaCode = 2, 4, 5 or 6
	+ TEDS Code: T Transfer or change in service (SU)
		- From FASAMS: PlacementRecord.StartDate after earliest PlacementRecord.StartDate within an Admission AND ProgramAreaCode = 2, 4, 5, or 6
			* Note: if more than one PlacementRecord shares the earliest PlacementRecord.StartDate, then the Initial Admission submitted will use the PlacementRecord with the lowest PlacementCode. All other PlacementRecords with higher PlacementCodes will be submitted as Transfer Admissions
	+ TEDS Code: M Initial Admission (MH)
		- From FASAMS: AdmissionDate with ProgramAreaCode = 1, 3, 5 or 6
	+ TEDS Code: X Transfer or change in service (MH)
		- From FASAMS: PlacementRecord with StartDate after earliest StartDate within and Admission AND ProgramAreaCode = 1, 3, 5, or 6
			* Note: if more than one PlacementRecord shares the earliest PlacementRecord.StartDate, then the Initial Admission submitted will use the PlacementRecord with the lowest PlacementCode. All other PlacementRecords with higher PlacementCodes will be submitted as Transfer Admissions
 |  |[ ] [ ]
| 2.1.3 | Update MDS 18 crosswalk (TEDSxwalk, rows 350 – 364):* TreatmentSettingCode: 02 – Detoxification, 24-hour service, Free-Standing Residential
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 2 and CoveredService 24 is submit TreatmentSetting 02
* TreatmentSettingCode: 03 – Rehabilitation/Residential - Hospital (other than Detoxification)
	+ When ProgramAreaCode is 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 5 submit TreatmentSetting 03
* TreatmentSettingCode: 04 – Rehabilitation/Residential - Short term (30 days or fewer)
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 and CoveredServiceCode 39 is submitted against it submit TreatmentSetting 04
* TreatmentSettingCode: 05 – Rehabilitation/Residential - Long term (more than 30 days)
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 and CoveredServiceCode 39 is **not** submitted against it submit TreatmentSetting 05
* TreatmentSettingCode: 06 – Ambulatory - Intensive outpatient
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 and CoveredServiceCode 04, 10, OR ProjectCode A2, OR OCA MS091 submit TreatmentSetting 06
* TreatmentSettingCode: 07 – Ambulatory - Non-intensive outpatient
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 and NOT CoveredServiceCode 04, 10, **AND NOT** ProjectCode A2, **AND NOT** OCA MS091 submit TreatmentSetting 07
* TreatmentSettingCode: 08 – Ambulatory – Detoxification
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 and CoveredServiceCode is 32 submit TreatmentSetting 08
* TreatmentSettingCode: 72 – State psychiatric hospital
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 3 or 4 and PlacementCode is 5 submit TreatmentSetting 72
* TreatmentSettingCode: 73 – SMHA funded/operated community-based program
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 submit TreatmentSetting 73
* TreatmentSettingCode: 74 – Residential treatment center
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 submit TreatmentSetting 74
* TreatmentSettingCode: 75 – Other psychiatric inpatient
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 1 submit TreatmentSetting 75
 |  |[ ] [ ]
| 2.1.4 | Update DIS 7 crosswalk (TEDSxwalk, rows 824 – 838):* TreatmentSettingCode: 02 – Detoxification, 24-hour service, Free-Standing Residential
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 2 and CoveredService is 24 submit TreatmentSetting 02
* TreatmentSettingCode: 03 – Rehabilitation/Residential - Hospital (other than Detoxification)
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 5 submit TreatmentSetting 03
* TreatmentSettingCode: 04 – Rehabilitation/Residential - Short term (30 days or fewer)
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 and CoveredServiceCode 39 is submitted against it submit TreatmentSetting 04
* TreatmentSettingCode: 05 – Rehabilitation/Residential - Long term (more than 30 days)
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 and CoveredServiceCode 39 is not submitted against it submit TreatmentSetting 05
* TreatmentSettingCode: 06 – Ambulatory - Intensive outpatient
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 and CoveredServiceCode 04, 10, OR ProjectCode A2, OR OCA MS091 submit TreatmentSetting 06
* TreatmentSettingCode: 07 – Ambulatory - Non-intensive outpatient
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 **AND NOT** CoveredServiceCode 04, 10, **AND NOT** ProjectCode A2, **AND NOT** OCA MS091 submit TreatmentSetting 07
* TreatmentSettingCode: 08 – Ambulatory – Detoxification
	+ When ProgramAreaCode is 2, 4, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 and CoveredServiceCode is 32 submit TreatmentSetting 08
* TreatmentSettingCode: 72 – State psychiatric hospital
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 3 or 4 and PlacementCode is 5 submit TreatmentSetting 72
* TreatmentSettingCode: 73 – SMHA funded/operated community-based program
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 4 submit TreatmentSetting 73
* TreatmentSettingCode: 74 – Residential treatment center
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 3 submit TreatmentSetting 74
* TreatmentSettingCode: 75 – Other psychiatric inpatient
	+ When ProgramAreaCode is 1, 3, 5 or 6 and ContractualRelationshipCode is 1, 2 or 5 and PlacementCode is 1 submit TreatmentSetting 75
 |  |[ ] [ ]
| 2.1.5 | Update MDS 19 crosswalk: -- clients who have had Medication-Assisted Opioid Therapy Covered Service in the specified time period will be included* If CoveredServiceCode 8200.13 has been submitted against a Admission.PlacementRecord then submit 1 for YES for that admission. If CoveredServiceCode 8200.13 has not been submitted against an Admission.PlacementRecord then submit 0 for NO for that admission.

Query form DCF:/\*For MAT clients\*/Declare @Start DATETIME;Declare @End DATETIME;Set @Start = '07-01-2019' Set @End = '06-30-2020'select count (distinct Identifier)  from [ServiceEventModule].[ServiceEvent] S inner join [TreatmentEpisodeModule].[Admission] A on S.[AdmissionKey] = A.[AdmissionKey]  inner join [TreatmentEpisodeModule].[ProviderTreatmentEpisode] E on A.[ProviderTreatmentEpisodeKey] = E.[ProviderTreatmentEpisodeKey]  inner join [ProviderModule].[ProviderClientIdentifier] I on E.[ProviderClientKey] = I.[ProviderClientKey]  where S.[IsEntityDeleted] = 0 and A.[IsEntityDeleted] = 0 and E.[IsEntityDeleted] = 0 and S.[SubmittingEntityKeyReference] in ('8D7985FC-E746-4D51-AE32-A8FC009C0866','3AC07BAD-B75D-4195-A39C-A8FC009C3C29','7568C215-EEE4-4AB6-92F1-A8FC009C4EEA','D1468FA2-F0BF-4E2E-906A-A8FC009C1653', 'C2EEC1F2-CFEA-4369-80F3-A8FC009C227D','CFFC7932-0D52-45CA-87B0-A8FC009C6072','6DB7016B-F490-4E7A-8ABC-A8FC009C2E84')and S.[CoveredServiceCode] = '8200.13'and [ServiceDate] between @Start and @End |  |  |  |
| 2.1.6 | Update DIS 8 crosswalk (Date of Last Contact or Data Update):* For Transfer Discharge:
	+ Use PerfomanceOutcomeMeasureDate from most recent POM **PRIOR** to the PlacementRecord.EndDate
		- Note: this acts as POM associated w Transfer Discharge
* For Final Discharge:
	+ User PerformanceOutcomeMeasureDate from POM associated with Discharge
 |  |  |  |
| 2.1.7 | For Admission, use most recent POM prior to PlacementRecord.StartDate* For POM records associated to an Initial Admission, use the Performance Outcome Measure records submitted with Admission record
* For POM records associated to a Transfer Admission, use Performance Outcome Measure records from most recent POM **PRIOR** to the PlacementRecord.StartDate
* TEDS submission which come from POMS:
 |  |  |  |
| 2.1.8 | Update DIS 9 crosswalk (Date of Discharge):* Transfer Discharge -- use PlacementRecord.EndDate from PlacementRecord
	+ Example:
		- PlacementRecord.EndDate associated w/ Initial Adm becomes Transfer DischargeDate
		- PlacementRecord.EndaDagte associated w/ Transfer Adm becomes Transfer DischargeDate
* Final Discharge – use DischargeDate associated w/ Admission
 |  |[ ] [ ]
| 2.1.9 | Update DIS 10 crosswalk (Discharge Reason Code):* For Transfer Discharges (i.e. PlacementRecord.PlacementOutcomeCode):
	+ If PlacementOutcomeCode is 1, submit DischargeReasonCode 4
	+ If PlacementOutcomeCode is 2, submit DischargeReasonCode 4
	+ If PlacementOutcomeCode is 3, submit Discharge.DischargeReasonCode
* For Final Dishcarge:
	+ User DischargeReasonCode submitted with discharge
 |  |  |  |
| 2.1.10 | Update MDS 06 crosswalk (Previous SU Treatment Episodes):* Combine Initial Admission from V13 and V14 and submit:
	+ 0 Count = 0
	+ 1 Count = 1
	+ 2 Count = 2
	+ 3 Count = 3
	+ 4 Count = 4
	+ 5 Count >= 5
 |  |  |  |
| 2.1.11 | Update SUDS 15 crosswalk (Days Waiting to Enter Substance Use Treatment):* Field Admission.DaysWaitingToEnterTreatmentNumber:
	+ If DaysWaitingToEnterTreatmentNumber <= 996, submit 000-996
	+ If DaysWaitingToEnterTreatmentNumber > 996, submit 996
	+ If DaysWaitingToEnterTreatmentNumber < 0 , submit 997
 |  |  |  |
| 2.1.12 | Update SUDS 16 / DIS 26 crosswakk (Arrests in Past 30 days):* Field POM.Legal.ArrestsInLast30DaysNumber:
	+ If ArrestsInLast30DaysNumber <= 96, submit 00-96
	+ If ArrestsInLast30DaysNumber > 96, submit 96
	+ If ArrestsInLast30DaysNumber < 0, submit 97
 |  |  |  |
|  |  |  |  |  |

## Create ETL to Populate TEDS tables with TEDS Version 14 Records

| Req. ID | Requirement | Ref. ID | Dev | QA |
| --- | --- | --- | --- | --- |
| 3.0 | Load records from FASAMS TEDS Version 14 View excluding duplicate records |  |[ ] [ ]
| 3.1 | Use the following composite keys to identify if a V14 record is a duplicate of a V13 record. If the record already exists, the incoming record would update the existing record:* Treatment Episode composite keys:
	+ SubmittingEntity + ProviderClient + Provider + ProgramAreaCode + Initial Admission.AdmissionDate
* Admission composite keys:
	+ Treatment Episode Composite Key + ProgramAreaCode + AdmissionDate
	+ V14 PlacementRecord logic:
		- V14 Admission
			* Equates to V13 Initial Admission with same AdmissionDate
		- V14 Placement Record
			* Equates to V13 Transfer Admission where PlacementRecord.StartDate = TransferAdmission.AdmissionDate
* Discharge Composite keys:
	+ Treatment Episode Composite Key + Admission Composite Key + Discharge Date
	+ V14 PlacementRecord logic:
		- V14 Admission
			* Equates to V13 Initial Admission with same AdmissionDate
		- V14 Placement Record
			* Equates to V13 Transfer Admission where PlacementRecord.StartDate = TransferAdmission.AdmissionDate
 |  |[ ] [ ]
|  |  |  |[ ] [ ]

## Update FASAMS to TEDS Crosswalk Documentation for EagleTech

| Req. ID | Requirement | Ref. ID | Dev | QA |
| --- | --- | --- | --- | --- |
| 4.0 | Update Crosswalk to be provided to EagleTech |  |[ ] [ ]
|  |  |  |  |  |