FEI Systems

Connecting Every Dimension of
Health and Human Services

FASAMS Requirements Document

0020 90-day Performance Outcome Measurement Exception Report

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CONTENTS

GENERAL

VERSION CONTROL

Date	Version	Author(s)	Brief Description of Change
12/27/2018	1.0	Tammy Davis	Initial document creation
1/31/2019	1.1	Jesse Lindsey	Document update after JAD
2/4/2019	1.2	Jesse Lindsey	Update to requirements
2/11/2019	1.3	Yiwen Ma	Internal Review
2/18/2019	1.4	Tammy Davis	DCF Review
2/18/2019	1.5	Jesse Lindsey	Updates based on DCF Review
2/20/2019	1.6	Yiwen Ma	Updates based on JAD discussion
3/18/2019	1.7	Yiwen Ma	Updated Requirement 1.1.1 and 1.1.2

STAKEHOLDERS

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DCF SAMH Project Sponsor	Sen-Yoni Musingo / Adam L. Wasserman
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SCOPE

INITIAL REQUEST & ASSUMPTIONS

Business Statement

FASAMS Pamphlet 155-2 Chapter 5 Treatment Episode Data requires submitting entities to submit Performance Outcome Measurements updated every 90 days following the initial admission or transfer admission and the individual does not have a Final Discharge for the Treatment Episode. If a submitting entity does not complete a Performance Outcome Measure within 90 days of the last Performance Outcome Measurements, it will be included in an exception report.

Scope Definition

The report can be run ad hoc at anytime by DCF staff. The report will be run based on open Admissions and their last Performance Outcome Measures. The "open Admissions" in this report covers all Admissions that do not have a Transfer Discharge and are from the Treatment Episodes that have not been closed with a Final Discharge yet. It will calculate several metrics that reflect the number Admissions and Clients that have not received Performance Outcome Measure data for more than 90 days, and for how long they have not received updates. This report will be available to all FASAMS users, but the client-level Personal Health Information (PHI) data will be visible only to users for their respective areas.

EXISTING FUNCTIONALITY

FASAMS currently collects Performance Outcome Measure information on Treatment Episodes with no way to report on 'delinquent' Treatment Episodes that have not received POMs updates over the following 90 days.

PROPOSED FUNCTIONALITY

A new report will be developed to show all Clients and Admissions that have not had an update to Performance Outcome Measures over the last 90 days.
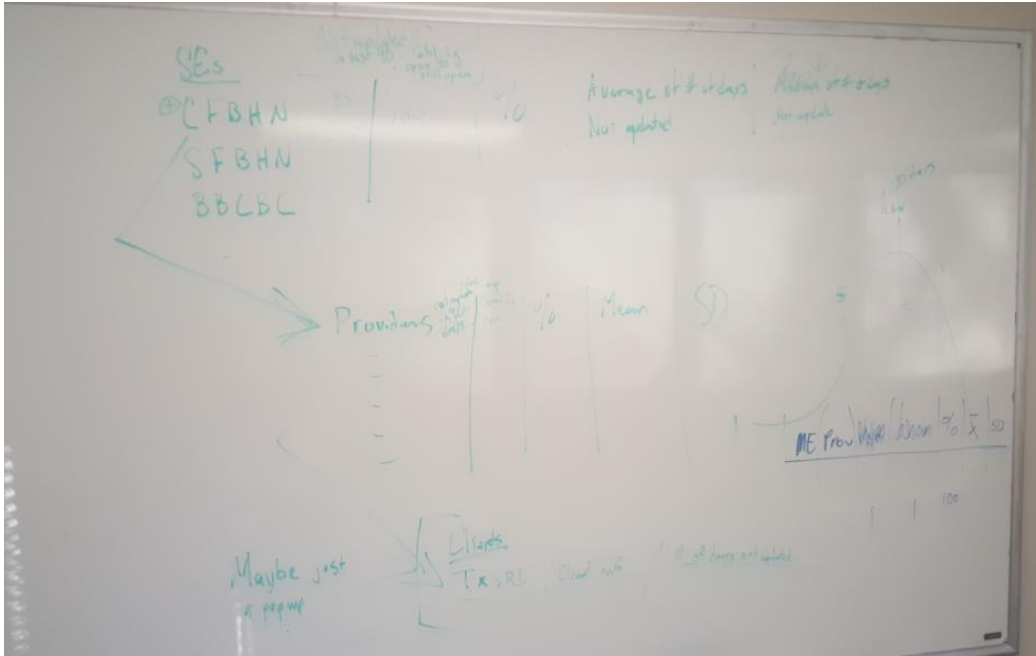
The report will be run on data from selected Submitting Entities only, and provide information at the following levels:

- Across all selected Submitting Entities/ State-level
- Submitting Entity level
- Provider level
- Client/ Admission level - visible only to users with proper Submitting Entity Group association)

The report will calculate the following metrics:

- The number of clients with active admissions
- The number of clients with active admissions and have not received Performance Outcome Measure (POM) updates for more than 90 days
- The percentage of clients who have not received POM updates for more than 90 days
- The number of active admissions
- The number of active admissions that have not had POM updates for more than 90 days, with a breakdown by the length of time with no POM updates

- The percentage of active admissions that have not had POM updates for more than 90 days
- The median, mean and standard deviation of these "delinquent" admissions' length of time with no POM updates

INITIAL ESTIMATE/ QUOTE HISTORY

Phase/ Quote Date	Item(s)	Description	Estimate/ Quote
2/13/19	8362	Develop 90-Day Performance Outcome Measurement Exception Report (0020)	Development: 70 hours Testing: 60 hours Analysis: 40 hours Account/Project Management: 20 hours **Total = 190 hours**

REQUIREMENTS

90-day Performance Outcome Measure Exceptions

This report covers only the active admissions (with no transfer discharges) from open treatment episodes.

Submitting Entity/ Provider	Clients			Admissions									
					# Admissions with no 90-day update					% with no 90-day update	# Non-update Days		
	# Total Clients	# with no 90-day update	% with no 90-day update	# Total Admissions	91-120 Days	121-150 Days	151-180 Days	181+ Days	Total		Median	Average (Mean)	Standard Deviation
Total	*17,048*	*5,987*	*35.12%*	*20,538*	*5,581*	*3,962*	*123*	*5*	*9,671*	*47.09%*	*113*	*115.56*	*98.45*
[-] **Big Bend Community Based Care**	**13,007**	**5,987**	**46.03%**	**14,555**	**5,581**	**3,962**	**123**	**5**	**9,671**	**66.44%**	**109**	**124.56**	**111.45**
Provider 1	5,983	2,583	43.17%	6,837	1979	1847	123	0	3,949	**57.76%**	124	145.00	124.46
Provider 2	3,987	1,875	47.03%	4,029	2019	s826	0	5	2,850	**70.74%**	112	119.87	95.00
Provider 3	3,587	1,678	46.78%	3,689	1583	1289	0	0	2,872	**77.85%**	117	131.65	106.41
[+] **Broward Behavioral Health Coalition**	**4,783**	**0**	**0.00%**	**5,983**	**0**	**0**	**0**	**0**	**0**	**0.00%**	**N/A**	**N/A**	**N/A**
[+] **Central Florida Behavioral Health**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**N/A**	**N/A**

Req. ID	Requirement	Dev	QA
1	FASAMS system will have a new report titled "90-day Performance Outcome Measure Exceptions"	☐	☐
1.1	**Report and Data Access**		
1.1.1	*Updated on 3/18/2019* This report should be placed under the Reports section, Exception folder (create as a new folder).	☐	☐
1.1.2	*Updated on 3/18/2019* This report should be accessible by all users who have access to the Report tab (with the View Reports permission).	☐	☐
1.1.3	A user should be able to view data at State level (Req. 1.5.1), Submitting Entity level (Req. 1.5.2) and Provider level (Req. 1.5.3), regardless of which submitting entity group(s) s/he is associated with.	☐	☐
1.1.4	A user should be able to view data at Client level (Req. 1.5.4) only for data allowed by the submitting entity group(s) s/he is associated with.	☐	☐
1.2	**Record Selection** The report will query for all open admissions in open treatment episodes and their latest Performance Outcome Measure (POM), which are: • Admissions that meet all criteria below: ○ Its Treatment Episode has no Final Discharge; ○ This Admission has no Transfer Discharge • For each Admission above, use the Performance Outcome Measure that has the latest POM Date among all other POMs of this Admission. Note: This report should only pull records that are marked as not deleted (IsEntityDeleted = 0).	☐	☐
1.3	**Report Filtering** Users should be able to filter this report by the following parameter: • Submitting Entities – *Multi-Selection Dropdown, Required* – Should have the 'All' option and list all Submitting Entites in the system. "All" should be selected by default. The report should only pull data submitted by selected Submitting Entities, or all Submitting Entities if "All" is selected.	☐	☐
1.4	**Columns** The report will display all Submitting Entities with the associated information in separate columns as below.		
1.4.1	"Submitting Entity / Provider" - should display the name of the Submitting Entity. When drilled down to the Provider level (Req. 1.4.1), Provider Name should be displayed instead.	☐	☐
1.4.2	*"Clients" Columns*	☐	☐
1.4.2.1	"# Total Clients" – should display the number of clients who have an admission counted in the "# Total Admissions" column (Req. 1.4.3.1)	☐	☐
1.4.2.2	"# with no 90-day update" - should display the number of clients who have an admission counted in the "# Admissions with no 90-day update - Total" sub-column (Req. 1.4.3.2.1)	☐	☐
1.4.2.3	"% with no 90-day update" – should display the percent value calculated as below: • "# with no 90-day update" (Req. 1.4.2.2)/ "# Total Clients"	☐	☐
1.4.3	*"Admissions" Columns*	☐	☐
1.4.3.1	"# Total Admissions" – should display the number of admissions that meet all criteria below: • Its Treatment Episode has no Final Discharge; • This Admission has no Transfer Discharge	☐	☐

Req. ID	Requirement	Dev	QA
1.4.3.2	"# Admissions with no 90-day update" – should contain the following sub-columns:		
1.4.3.2.1	• "Total" - should display the number of admissions that meet all criteria below: o Is counted in the "# Total Admissions" column; o Its <u>last Performance Outcome Measure</u> (POM) was done more than 90 days ago: *Current Date – POM Date > 90 days* Note that "<u>last Performance Outcome Measure</u>" should be considered as the admission's related POM that has the latest POM Date among all other POMs of this admission.	☐	☐
1.4.3.2.2	• "91-120 Days" - should display the subset of "Total" where the admissions have not received POM updates for 91 to 120 days: 91 days <= Current Date – the admission's last POM Date <= 120 days	☐	☐
1.4.3.2.3	• "121-150 Days" - should display the subset of "Total" where the admissions have not received POM updates for 121 to 150 days: 121 days <= Current Date – the admission's last POM Date <= 150 days	☐	☐
1.4.3.2.4	• "151-180 Days" - should display the subset of "Total" where the admissions have not received POM updates for 151 to 180 days: 151 days <= Current Date – the admission's last POM Date <= 180 days	☐	☐
1.4.3.2.5	• "181+ Days" - should display the subset of "Total" where the admissions have not received POM updates 181 days or more: 181 days <= Current Date – the admission's last POM Date	☐	☐
1.4.3.3	"% with no 90-day update" – should display the percent value calculated as below: • "# Admissions with no 90-day update - Total"/ "# Total Admissions"	☐	☐
1.4.3.4	"# Non-update Days" – • Should cover only the admissions that have not received POM updates for 90 days or more, which are the admissions counted in the sub-column "# Admissions with no 90-day update - Total"; • Should first calculate, for each covered admission, its number of days with no POM updates: *Current Date – the admission's last POM Date* • Should then calculate the Median, Mean and Standard Deviation of these admission's non-update days and display them in the following sub-columns.	☐	☐
1.4.3.4.1	• "Median" – should display the Median of these admission's non-update days	☐	☐
1.4.3.4.2	• "Average (Mean)" – should display the Mean of these admission's non-update days: *Sum of all these admission's non-update days / "# Admissions with no 90-day update - Total"*	☐	☐
1.4.3.4.3	• "Standard Deviation" – should display the Standard Deviation of these admisson's non-update days	☐	☐
1.5	**Rows and Drilling**		
1.5.1	"Total" Row – This row should be display at the top of the table, and display the calculated values for each column across all selected Submitting Entities.	☐	☐
1.5.2s	Submitting Entities Rows – By default, each row in this table should display the calculated values per Submitting Entity's submitted TreatmentEpisode data.	☐	☐
1.5.3	Provider Rows - Each Submitting Entity row can be clicked to expand and show all Providers under that Submitting Entity. Each Provider row should display the calculated values based on the Provider's admissions.	☐	☐
1.5.4	Client/Admission Pop-up - On each Provider row, the calculated "# Admissions with no 90-day update" (all five sub-columns) can be clicked to show all counted Admissions with the following columns: • "Admission SRI" – should display the Admission's SourceRecordIdentifier; • "Episode SRI" – should display the related Treatment Episode's SourceRecordIdentifier; • "First Name" – should display the First Name of the Admission's Client; • "Last Name" – should display the Last Name of the Admission's Client; • "SSN" – should display the Client's SSN;	☐	☐

Req. ID	Requirement	Dev	QA
	• "PSSN" – should display the Client's Pseudo SSN; • "UCI" – should display the Client's Unique Client Identifier; • "Non-update Days" – should display this admission's number of non-update days, which should be calculated as *Current Date – the admission's last POM Date*		
1.5.4.1	The following information should be displayed at the top of the pop-up: • "Submitting Entity: <Submitting Entity Name>" • "Provider: <Provider Name>" • "Reported On: <Report Generation Date>"	☐	☐
1.6	**Submitting Entity and Provider List**		
1.6.1	If no data is returned for a selected Submitting Entity (i.e. This SE has no active admissions), such Submitting Entity should still be displayed in the table, with "N/A" displayed in the % columns and the "# Non-update Days" columns. See the "Central Florida Behavioral Health" example in the mockup.	☐	☐
1.6.2	This report should list ALL Providers of a Submitting Entity, which are providers that are currently subcontracted to the Submitting Entity (Managing Entity). • If no data is returned for a Provider (i.e. This Provider has no active admissions), such Provider should still be displayed in the table, with "N/A" displayed in the percentage columns and the "# Non-update Days" columns. See the "Central Florida Behavioral Health" example in the mockup.	☐	☐
1.7	**Report Timestamp** The date and time when the report was generated should be displayed as below: "Data as of <date and time>"	☐	☐
1.8	**Print as PDF** The width of the table should fit into one page when the report is saved as a PDF from SSRS.	☐	☐