



FEI Systems

Connecting Every Dimension of
Health and Human Services

FASAMS Requirements Document

0002_Tracking Pregnancy

Created by: Jesse Lindsey

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GENERAL

VERSION CONTROL

Date	Version	Author(s)	Brief Description of Change
05/29/2018	1.0	Kedra Baumgardner	Initial creation of document.
01/23/2019	1.1	Tammy Davis	Added Birthweight to Scope. Included existing fields for reference.
3/17/2019	1.2	Jesse Lindsey	Update after JAD
3/19/2019	1.3	Yiwen Ma	FEi Internal Review
3/21/2019	1.4	Jesse Lindsey	Final Estimate added

STAKEHOLDERS

Role	Name
FEI Business Analyst	Jesse Lindsey
FEI Account Manager	Kory Schnoor
DCF SAMH Project Director	Nathan McPherson
DCF SAMH Project Sponsor	Sen-Yoni Musingo / Adam L. Wasserman
DCF Business Analyst	Tammy Davis
DCF SME	Christi Anderson, Heather Allman

SCOPE

INITIAL REQUEST & ASSUMPTIONS

Business Statement

The DCF business unit needs additional information related to pregnancy.

Scope Definition

An enhancement is needed to allow for the tracking of additional fields related to pregnancy in the Treatment Episode Data Set.

At a minimum, these fields would be needed in the Health sub entity of Performance Outcome Measure:

- ExpectedDeliveryDate – expected date of delivery if known. Conditionally Optional. Must not be provided if PregnantCode is 0 or 6. Can only be provided if PregnantCode is 1. Must be a valid date.

At a minimum, the following fields would be needed in the Discharge entity.

- ActualDeliveryDate – actual date of delivery if it occurred during the individual’s admission. Conditionally Optional. ActualDeliveryDate must not be provided if BirthOutcomeCode is 3, 4, 5, 6, 7, or 8. Can only be provided if BirthOutcomeCode is 1 or 2. Must be a valid date. Must be greater than or equal to AdmissionDate.
- BirthWeight – Conditionally Optional. Should only be provided if BirthOutcomeCode is 1 or 2. Must be a valid integer greater than zero.

EXISTING FUNCTIONALITY

Current related Pregnancy fields in the Health sub entity of Performance Outcome Measure.

PregnantCode	string	<p>The code indicating whether a female individual is pregnant.</p> <ul style="list-style-type: none"> • Required for Initial Admission and Final Discharge and optional for Transfer Admission and Transfer Discharge. • Required if the related admission has a Substance Abuse program area. • Must be one of the following values: <ul style="list-style-type: none"> ○ 0 for No ○ 1 for Yes ○ 6 for Not Applicable (Male) • Should be 6 if the individual's gender is male. • This field is part of TEDS supplemental data set for reporting SuDS 6 – Pregnant at Admission.
PregnancyTrimesterCode	string	<p>The code indicating the trimester of a female individual's pregnancy.</p> <ul style="list-style-type: none"> • Required for Initial Admission and Final Discharge and optional for Transfer Admission and Transfer Discharge. • Required if the related admission has a Substance Abuse program area. • Must be one of the following values: <ul style="list-style-type: none"> ○ 1 for 1st trimester ○ 2 for 2nd trimester ○ 3 for 3rd trimester ○ 4 for Not pregnant or male ○ 5 for Unknown • Should be 4 if the individual's gender is male.
RecentlyBecomePostpartumCode	string	<p>The code indicating if a female individual has recently become post-partum by giving birth to a child within the last 91 days.</p> <ul style="list-style-type: none"> • Required for Initial Admission and Final Discharge and optional for Transfer Admission and Transfer Discharge. • Required if the related admission has a Substance Abuse program area. • Must be one of the following values: <ul style="list-style-type: none"> ○ 0 for No ○ 1 for Yes ○ 3 for Unknown ○ 6 for Not Applicable • Should be 6 if the individual's gender is male.

Current BirthOutcomeCode field in the Discharge entity.

BirthOutcomeCode	string	<p>The code indicating the pregnancy's birth outcome at discharge for a female individual that was pregnant within the admission and discharge dates.</p> <ul style="list-style-type: none"> • Required for Final Discharge and optional for Transfer Discharge. • Required if the related admission has a Substance Abuse program area. • Must be one of the following values: <ul style="list-style-type: none"> ○ 1 for Live birth (drug presence in newborn) ○ 2 for Live birth (no drug presence in newborn) ○ 3 for Still birth ○ 4 for Miscarriage ○ 5 for Pregnancy terminated ○ 6 for Not yet delivered (transfers only) ○ 7 for Unknown Birth Outcome (an option only if whereabouts of individual is unknown) ○ 8 for Not Applicable • Should be 8 if the individual's gender is male.
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PROPOSED FUNCTIONALITY

The following new fields will be added to the Health sub entity of Performance Outcome Measure:

- ExpectedDeliveryDate
- ActualDeliveryDate

The following new fields will be added to the Discharge entity:

- BirthWeight – Conditionally Optional. Should only be provided if BirthOutcomeCode is 1 or 2. Must be a valid integer greater than zero.
 - Birth weight in pounds and ounces

INITIAL ESTIMATE/ QUOTE HISTORY

Phase/ Quote Date	Item(s)	Description	Estimate/ Quote
3/4/2019	8348	Initial Estimated Hours	Up to 90
3/21/2019	8348	Final Estimated Hours	Analysis: 24 Development: 32 Testing: 32 Acct/Project Management: 8 Total: 96

REQUIREMENTS

1. UPDATE HEALTH ENTITY

Req. ID	Requirement	Dev	QA
1.1	Add New Field: <ul style="list-style-type: none"> Field Name: ExpectedDeliveryDate Value Type: Date 	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1	Implement these rules on the new field above: <ul style="list-style-type: none"> Must not be provided if PregnantCode is 0 or 6 <ul style="list-style-type: none"> Error Message: "ExpectedDeliveryDate must not be provided if PregnantCode is 0 or 6" Must be provided and is required if PregnantCode is 1 Must be a valid date <ul style="list-style-type: none"> Should use standard error message for valid date 	<input type="checkbox"/>	<input type="checkbox"/>

2. UPDATE DISCHARGE ENTITY

Req. ID	Requirement	Dev	QA
2.1	Add New Field: <ul style="list-style-type: none"> Field Name: ActualDeliveryDate Value Type: Date	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.1.1	Implement these rules on the new field above: <ul style="list-style-type: none"> Must not be provided if BirthOutcomeCode is not 1 or 2 <ul style="list-style-type: none"> Error Message: "ActualDeliveryDate must not be provided if BirthOutcomeCode is not 1 or 2." Must be provided and is required if BirthOutcomeCode is 1 or 2 Must be a valid date <ul style="list-style-type: none"> Should use standard error message for valid date Must be greater than or equal to the AdmissionDate in the related Admission (associated through Discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.2	Add New Field: <ul style="list-style-type: none"> Field Name: BirthWeightPounds Value Type: Integer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.2.1	Implement these rules on the new field above: <ul style="list-style-type: none"> Should only be provided and is required if BirthOutcomeCode is 1 or 2 <ul style="list-style-type: none"> Error Message: BirthweightPounds and BirthWeightOunce must both be provided if BirthOutcomeCode is equal to 1 or 2. 	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3	Add New Field: <ul style="list-style-type: none"> Field Name: BirthWeightOunces Value Type: Integer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.3.1	Implement these rules on the new field above: <ul style="list-style-type: none"> Should only be provided and is required if BirthOutcomeCode is 1 or 2 Error Message: BirthweightPounds and BirthWeightOunce must both be provided if BirthOutcomeCode is equal to 1 or 2.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.4	New Business Rule: <ul style="list-style-type: none"> If BirthOutcomeCode is 1 or 2 then BirthWeight Pounds and BirthWeight Ounces cannot both be zero. 	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Req. ID	Requirement	Dev	QA
	Error Message: BirthWeightPounds and BithWeightOunces cannot both be equal to zero if BirthOutcomeCode equals 1 or 2.		