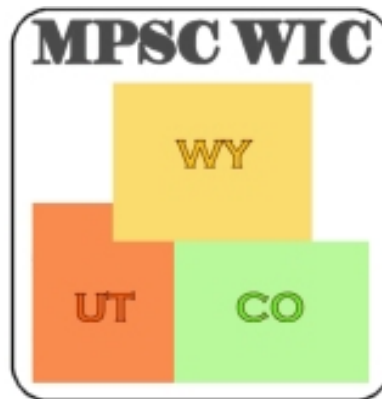

**Mountain Plains States Consortium
WIC System Project**

**DETAILED FUNCTIONAL DESIGN DOCUMENT
CS 3A ASSESSMENT / VISIT SUMMARY –
PREGNANCY SCREENS**

Presented to:



Revision Date: January 7, 2011

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Document Revisions

Revision Date	Updated By	Requested By	Description of Revision

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1 Assessment Overview

The Assessment section consists of multiple screens. The screens are used to record participant-specific health and nutrition data and assign participant risk. Additionally within this area, view and print growth charts for participants, and print various assessment UI Outputs.

1.1 Visit Summary

This read only screen allows the user to display summary data collected from a single visit on a single screen rather than going to multiple screens. Selected data from the following screens is displayed: Scheduler, Participant Data, Anthropometrics, Blood, Risk, Nutrition Education, Participant Referral, Certification, and Food Package. The Visit Summary is a view of specific data fields. No new data is created or stored for this summary.

> Assessment > Visit Summary

<Family Header (See CS Overview)>

<Participant Sub-Header (See CS Overview)>

The screenshot displays a web-based interface for a 'Visit Summary'. At the top, there is a 'Record Date' field set to '05/12/2007' with a dropdown arrow and a page indicator '0 of 0'. A 'Print' button is located on the left side. The data is organized into several sections:

- Participant Data:** Appointment Type: Certification; Medical Assistance ID; Age on Record Date: 3 y 1 m.
- Certification Data:** Certification Start Date: 05/12/2007; Certification End Date: 11/12/2007; Certification Category: NA.
- Foods Data:** Food Package Issued: C – 1 pound cheese.
- Risks:** 425c – Routinely using bottles and cups inapp.; 425d – Routinely using feeding practices that are dev delayed.
- Assessment Data:** Height: 38-4/8 in; Weight: 37-1/4 lbs; Current BMI: 17.7; Weight for Age: 99.9 percentile; Stature for Age: 99.9 percentile; Weight for Length: NA; Hemoglobin: 12.50.
- Participant Referrals:** Head Start.
- NE Topics Covered:** Breastfeeding, The New Mom, Latching On; Breastfeeding, The New Mom, Sore Nipples.

Control	Description			
Print	The Print command button causes the Visit Summary Print pop-up screen to be displayed. The Visit Summary screen is used to print one or more of the participant's visit summaries.			
	Type	Command Button		
	Hot Key	Alt + P		
Record Dates	The Record Date is a unique collection of Record Dates from the following screens: WIC Clinic Schedule, Participant Data, Anthropometrics, Blood, Risk, Certification, Nutrition Education, Participant Referral, and Food Package.			
	Type	Record Selector		
	Contents	Dates of records		
	DB Column	CompletedNtrEd.RecordedDt, ParticipantReferral.RecordedDt, Anthro.RecordedDt, Bloodwork.RecordedDt Certification.StartDt, ParticipantRx.EffectiveBegDt, RiskHeader.RecordedDt, Appointment.StartTime		
Participant Data – Appointment Type	This is the appointment type for the participant on the day of this specific Visit Summary.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	If Appointment.AppointmentTypeCd = '0' (for WIC Appointment), display WIC Appointment + the value in AppointmentParticipant.AppointmentTypeCd If Appointment Type = NEDC, display Nutrition Education Class.		

Control	Description			
Participant Data – Medical Assistance ID	This is the Medical Assistance (Title XIX) ID provided by the participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	AdjunctEligibility.MedicalAssistanceID		
Participant Data - Age on Record Date	This is the age of the participant on the Record Date.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9 y for women Mask of 9 y Z9 m for children Mask of Z9 m Z9 d for infants		
	Display Only	Yes	Calculated	Yes
	DB Column	Participant.BirthDt		
Certification Data - Certification Start Date	The start date of the certification effective for the date of the Visit Summary.			
	Type	Text box		
	Required	NA		
	Length	NA		
	Validation	Mask of mm/dd/yyyy		
	Display Only	Yes	Calculated	No
	DB Column	Certification.StartDt		
Certification Data- Certification End Date	The ending date of the certification effective for the date of the Visit Summary.			
	Type	Text box		
	Required	NA		
	Length	NA		
	Validation	Mask of mm/dd/yyyy		
	Display Only	Yes	Calculated	No
	DB Column	Certification.EndDt		

Control	Description			
Certification Data - Certification Category	This field displays the Certification Category of the infant or child participant, if the child certification indicator was set for an infant during a "transition month" certification (certification that occurred within 30 days prior to the infant's first birthday) and that is the certification that is currently being displayed on the Visit Summary.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Display as "Infant" or "Child"		
	Display Only	Yes	Calculated	No
	DB Column	Participant.ChildCertificationIn		
Foods Data – Food Package Issued	The name of the food package effective for the date of the Visit Summary.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	ParticipantRx.Name		
Risks	The numeric code and name description of each assigned risk, sorted by risk code.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of 999 or 999x - <risk name description>, if multiple, separate with commas		
	Display Only	Yes	Calculated	No
	DB Column	RiskDet.ParticipantRiskCd + ParticipantRiskCode.Name		

Control	Description			
Participant Referrals	Participant referrals for this participant, sorted alphabetically by organization name.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	ParticipantReferral.Org_ID		
NE Topics Covered	Nutrition education topics covered for this participant or the refusal of nutrition education. Topics may come from either individual counseling encounters or nutrition education classes. If a participant refuses a Nutrition Education Class, "Refused" is listed instead of a topic. For each counseling point, the topic, sub-topic and counseling point is displayed alphabetically by topic, sub-topic and counseling point.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	ParticipantCounselingPoint.NECP_ID CODE ID: Counseling Points – NutritionEducationCounselingPoint Topics = NutritionEducationTopic SubTopics = NutritionEducationSubTopics Or CompletedNtrEd.RefusedIn		
Assessment Data – Height (Length)	The Height (Length) of the Participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9-9/9 inches (using appropriate eighth of an inch: 1/8, 1/4, 3/8, etc.)		
	Display Only	Yes	Calculated	No
	DB Column	Anthro.HeightInches		

Control	Description				
Assessment Data - Weight	The Weight of the Participant.				
	Type	Text Box			
	Required	NA			
	Length	NA			
	Validation	For Infants, Mask of Z9-Z9 Lbs/Oz For B, P, N, C, Mask of Z99-9/4 Lbs. (quarter pounds are ¼, ½, ¾.			
	Display Only	Yes	Calculated	No	
	DB Column	Anthro.WeightLBS			
Assessment Data – Current BMI	This is the BMI based on the displayed height and weight on the record date. If either height or weight is not present, then Current BMI is not calculated or displayed.				
	Type	Text Box			
	Required	NA			
	Length	NA			
	Validation	Mask of 99.9			
	Display Only	Yes	Calculated	Yes	
	DB Column	Not Stored			
Assessment Data – Weight for Age	The weight for age percentile is based on the displayed Weight and age for the record date, chronological weight for age percentile, unless the infant or child is less than <24 months old and Premature is marked on the Birth Measurements Anthropometric record. If the infant or child is <24 months old and Premature is marked on the Birth Measurements Anthropometric record, then the adjusted age weight for age percentile is displayed. If weight is not available for the record date, then the percentile is not calculated or displayed. This is only for infants and children.				
	Type	Text Box			
	Required	NA			
	Length	NA			
	Validation	Mask of Z9.9 percentile			
	Display Only	Yes	Calculated	Yes	
	DB Column	Not Stored			

Control	Description			
Assessment Data – Length (Stature) for Age	The length (stature) for age percentile is based on the displayed Weight and age for the record date, chronological weight for age percentile, unless the infant or child is less than <24 months old and Premature is marked on the Birth Measurements Anthropometric record. If the infant or child is <24 months old and Premature is marked on the Birth Measurements Anthropometric record, then the adjusted age length for age percentile is displayed. If length (stature) is not available for the record date, then the percentile is not calculated or displayed.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9.9 percentile		
	Display Only	Yes	Calculated	Yes
	DB Column	Not Stored		
Assessment Data – Weight for Length	The weight for length percentile is based on the displayed Weight and Length for the record date. If either weight or length is not present for the record date, then the percentile is not calculated or displayed. This is only for infants and children with recumbent measurements.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9.9 percentile		
	Display Only	Yes	Calculated	Yes
	DB Column	Not Stored		
Assessment Data - Hemoglobin	The numerical value entered for the hemoglobin measurement.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9.99		
	Display Only	Yes	Calculated	No
	DB Column	BloodWork.Hemoglobin		

Business Rules
<p>Family and Participant Header Rules</p> <ol style="list-style-type: none"> 1. Display Family Header information in the Tool Bar. 2. Display Participant Sub-Header at the top of this screen.

Business Rules

3. If View is set to Show Over Age and Deceased, then all participants (members with a WIC Status) are displayed in the Participant Record selector.
4. If View is set to not Show Over Age and Deceased, then only participants (members with a WIC Status) that are women, children < 5 years of age, and non-deceased participants are displayed in the Participant Record selector.
5. Participants appear in the record selector in age order, starting with the oldest.
6. Maintain the participant in the record selector when moving between screens.

General Business Rules

7. Arrange group boxes in 2 columns of data on the screen.
8. Display the Appointment type if participant had an appointment on a date included in the Visit Summary listing.
9. Display the Medical Assistance ID for the participant if there is one found on the most recent Income Determination screen – Adjunct Eligibility pop-up.
10. Display the following data when its record date is equal to the Visit Summary Record Date: Height, Weight, Hemoglobin, Risks, Nutrition Education Topics Covered, and Participant Referrals.
11. If more than one record date exists for one type of data (Anthropometric, Blood, Risk, Nutrition Education, or Participant Referrals), then only the latest record based on the date/time is displayed in the Visit Summary.
12. For B, N, P participants, display "NA" for Certification Category.
13. For I and C participants, determine the participant category at the time of the displayed certification.
 - a. If the participant was an Infant and the Child Certification indicator is set to Yes, display Child for Certification Category.
 - b. If the participant was an Infant and the Child Certification indicator is set to No, display Infant for the Certification Category.
 - c. If the participant was a Child, display "NA."
14. If length/height measurement was a recumbent measurement, label for Height (Length) is "Length" and label for Length (Stature) for Age is "Length for Age".
15. If the length/height measurement was a non-recumbent measurement, label for Height (Length) is "Height" and label for Length (Stature) for Age is "Stature for Age".
16. If participant is P, B, or N, then display "NA" in Length (Stature) for Age, Weight for Age and Weight for Length.
17. If participant is I, P, or N, then display "NA" in Current BMI field.
18. If participant is C and measurement was a recumbent measurement, then display "NA" in Current BMI field.
19. If participant is B and < 6 months postpartum (record date minus actual delivery date), then display "NA" in Current BMI field.
20. If participant is C and measurement was not a recumbent measurement, then display "NA" in Weight for Length field.
21. For Infants and Children < 2, if no height (length) data is available, display "Length" as the field label for Assessment Data – Height (Length) and display "Length for Age" as the field label for Assessment Data – Length (Stature) for Age.

Business Rules

22. For Children ≥ 2 , if no height (length) data is available, display "Height" as the field label for Assessment Data – Height (Length) and display "Height for Age" as the field label for Assessment Data – Length (Stature) for Age.

Calculations

23. Age on Record Date = Record Date minus Date of Birth.
24. Assessment Data – Current BMI = Weight (lb) / Stature (in) / Stature (in) * 703, must have a weight and height from the same record date in order to calculate.
25. Growth chart calculations: The Percentile Data Files with LMS Values are used to generate exact percentiles and z-scores along with the percentile values for the various percentile curves. The LMS parameters are the median (M), the generalized coefficient of variation (S), and the power in the Box-Cox transformation (L). The CDC growth chart data remains unchanged from the initial release on May 30, 2000 of the growth charts.

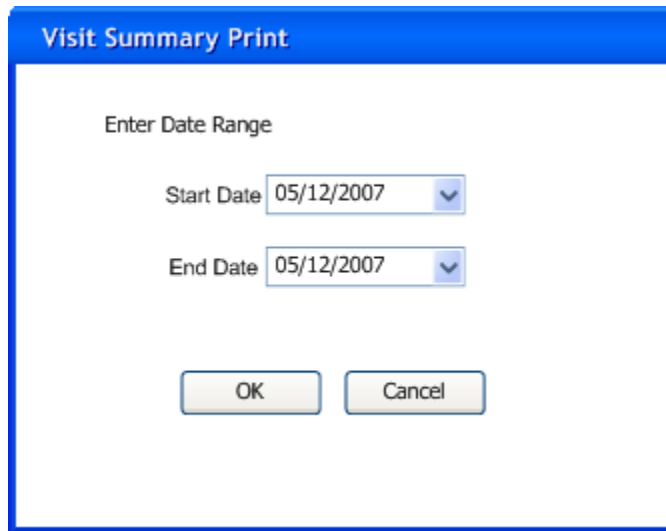
Steps

1. For every "x" value, the system gets the growth data record that matches the "x" value from the CDC data. If the system does not find a matching record then the system gets the two records where the value of "x" lies between the CDC data values. (For example if $x = 17$, and there are growth data records for 15 and 18, both of these values are selected by the system.)
2. Additional calculation differs depending on the number of records fetched from Step 1.
3. If system fetched only one record
 - 3.1. Go to step 5
4. if system fetched two records ...
 - 4.1. Go to Step 5, 6, 7, 8 for the first record that returns percentile value C1
 - 4.2. Go to Step 5, 6, 7, 8 for the second record that returns percentile value C2
 - 4.3. Get the first "x" value (x_1 , in our example 15)
 - 4.4. Get the second "x" value (x_2 , in our example it is 18)
 - 4.5. If $x_1 = x_2$ then percentile is 0
 - 4.6. If $x_1 \neq x_2$ then percentile = $((x - x_1) / (x_2 - x_1)) * (C2 - C1) + C1$
5. Every growth record has an LMS value. The system calculates the z-score. The M values in the CDC data are in metric and are converted to English measurements.
 - 5.1. If L value is 1 then z-score = \log of (Y Value / M Value) / S Value
 - 5.2. If L value is not 1 then z-score = $\{[(Y \text{ value} / M \text{ Value}) \text{ to the power of } L \text{ Value}] - 1\} / (L \text{ value} * S \text{ Value})$
6. Using the z-score obtained from above step, the system then calculates the probability.
 - 6.1. Probability = $1 - 1 / \text{Square root of } (2 * 3.14159265) * \text{Exponential of } (-(\text{absolute value of } (z\text{Score})^2) / 2) * (0.4361836 * (1 / (1 + 0.33267 * \text{absolute value of } (z\text{Score}))) - 0.1201676 * (1 / (1 + 0.33267 * \text{absolute value of } (z\text{-score})))^2 + 0.937298 * (1 / (1 + 0.33267 * \text{absolute value of } (z\text{-score})))^3)$
7. If z-score obtained from step 5 is > 0
 - 7.1. Percentile = $100 * \text{Probability}$ (obtained from step 7)
8. If z-score is ≤ 0
 - 8.1 Percentile = $100 - (100 * \text{Probability})$

Developer Notes
1.

1.1.1 Visit Summary Print Pop-up

The Visit Summary Print pop-up screen is used to print one or more participant visit summaries. This screen is accessed by clicking the Print button on the Visit Summary screen. The Start Date and End Date are set by default to the most current Visit Summary Date. The user can print Visit Summaries by adjusting the Start Date and End Date default values to create a range of dates for print selection.



Control	Description			
Start Date	The Start Date is the earliest Record Date that will be selected for printing when the OK button is clicked.			
	Type	Date Picker		
	Required	Yes		
	Display Only	No	Calculated	No
	DB Column	Not Stored		
End Date	The End Date is the latest Record Date that will be selected for printing when the OK button is clicked.			
	Type	Date Picker		
	Required	Yes		
	Display Only	No	Calculated	No
	DB Column	Not Stored		

Control	Description	
OK	Clicking the OK button prints the visit summary, closes the Visit Summary Print pop-up screen, and returns the user to the Visit Summary screen.	
	Type	Command Button
	Hot Key	Alt + O
Cancel	Clicking the Cancel button returns the user to the Visit Summary screen without printing.	
	Type	Command Button
	Hot Key	Alt + L

Business Rules

1. Start Date cannot be greater than End Date.
2. Display error if no visit summaries are in the designated visit summary date range.

Developer Notes

- 1.

1.1.2 Printed Visit Summary (Static)

The Printed Visit Summary consists of a header, along with individual visit summaries. If a date range is selected where multiple visit summaries are present, the visit summaries are separated by a bold line.

1.1.2.1 Language: English

The printed Visit Summary is available in English only.

1.1.2.2 Printed Visit Summary Mockup**WIC Program - Visit Summary**

Participant Name: Kory Dill
 LA-Clinic: 31-81
 Date of Birth: 12/01/2003

Person ID: 443876
 Family ID: 33453
 Printed Date: 08/15/2007

Visit Summary Date: 05/12/2007

Participant Data

Appointment Type: Certification
 Medical Assistance ID:

Assessment Data

Height: 38 – 4/8 inches
 Weight: 37-1/4 Lbs
 Current BMI: 17.7
 Weight for Age: 99.9 percentile
 Stature for Age: 99.9 percentile
 BMI for Age: 99.9 percentile
 Hemoglobin: 12.50
 Risks: 425c – Routinely using bottles and cups inapp, 425d – Routinely using feeding practices that are dev delayed

Participant Care Data

Nutrition Education Topics Covered: Fluids, Weaning
 Participant Referrals: Head Start

Certification Data

Certification Start Date: 05/12/2007
 Certification End Date: 11/12/2007
 Certification Category: NA

Foods Data

Food Package Issued: C – 1 pound cheese

Business Rules

1. If more than 1 Visit Summary is available in the selected print date range, insert a page break and start the next visit summary on a new page.
2. When no data is available for a field, print the field label, but leave the field blank.
3. Participant Name: FamilyMember.FirstName, FamilyMember.MiddleName, FamilyMember.LastName, FamilyMember.LastNameSuffix
4. LA-Clinic: Clinic.FFLocalAgencyID || "-" || Clinic.FFClinicID where Clinic.ID = FamilyClinic.Cln_ID
5. Family ID: BenefitFam.FFFamilyID
6. Date of Birth: Participant.BirthDt formatted as mm/dd/yyyy

Business Rules

7. Printed Date: Today's date formatted as mm/dd/yyyy.
Visit Summary Date: CompletedNtrEd.RecordedDt,
ParticipantReferral.RecordedDt,
Anthro.RecordedDt,
Bloodwork.RecordedDt
Certification.StartDt,
ParticipantRx.EffectiveBegDt,
RiskHeader.RecordedDt,
Appointment.StartTime
8. Participant Data - Appointment Type: Appointment.AppointmentTypeCd
9. Participant Data – Medical Assistance ID: ParticipantEligibility.MedicalAssistanceID
10. Assessment Data – Height: Anthro.HeightInches, display as Z9-9/9 inches using appropriate eighth of an inch: 1/8, 1/4, 3/8, etc.
11. Assessment Data – Weight: Anthro.WeightLBS, for Infants, display as Z9-Z9 Lbs/Oz, for B, N, P, C, display as ZZ9-9/4 Lbs using appropriate quarter pounds: ¼, ½, ¾.
12. Assessment Data – Hemoglobin: BloodWork.Hemoglobin
13. Assessment Data – Risks: RiskDet.ParticipantRiskCd + ParticipantRiskCode.Name
14. Under Assessment Data - Risks: List the risk codes in a line separated by commas.
15. Participant Care Data – Nutrition Education Topics Covered:
ParticipantCounselingPoint.NECP_ID
16. Under Participant Care Data - Nutrition Education Topics Covered: List Nutrition Education Topics Covered with Mask of [Topic]: [Sub-topic]-[Counseling Point 1, Counseling Point 2, etc.]
17. If more than one Nutrition Education Topic, continue on the same line, separate with commas.
18. Participant Care Data – Participant Referrals: ParticipantReferral.Org_ID.
19. Under Participant Care Data - Participant Referrals: List each referral organization on a separate line. Mask of [Organization Name].
20. Certification Data – Certification Start Date: Certification.StartDt.
21. Certification Data – Certification End Date: Certification.CertificationEndDt.
22. Certification Data – Certification Category: Participant.ChildCertificationIn. .
23. Foods Data – Food Package Issued: ParticipantRx.Name.
24. For Foods Data – Food Items, separate individual items with commas.
25. The clinic services breastfeeding message image appears in the footer-middle of the output.
26. The clinic services header image appears in the header-left of the output.
27. Page numbering in the output appears in the footer-right in the format "Page x of y".
28. This UI output is portrait.

Developer Notes

- 1.

1.2 Pregnancy

The Pregnancy screen is used to record the complete history of one pregnancy, from pregnancy through postpartum, for a woman participant. It is also used to link the infants that were the result of the pregnancy to the mother’s postpartum data. Although all fields are available for update when the New or Edit buttons are clicked, editing for required fields is determined by the participant’s category.

> *Assessment* > *Pregnancy*

<Family Header (See CS Overview)>

<Participant Sub-Header (See CS Overview)>

Control	Description	
New	Clicking the New button allows the user to record: <ul style="list-style-type: none"> ▪ New pregnancy data for a Pregnant Woman or ▪ New postpartum data for a Breastfeeding or Postpartum woman who was not in the WIC Program during their pregnancy. All fields within the Pregnancy and Postpartum group boxes are cleared and enabled for update.	
	Type	Command Button
	Hot Key	Alt + N

Control	Description			
Edit	<p>Clicking the Edit button allows the user to</p> <ul style="list-style-type: none"> ▪ Update pregnancy or postpartum data ▪ Add postpartum data to a previously entered pregnancy record. <p>Clicking the Edit button enables all fields within the Pregnancy and Postpartum group boxes for update. Use Edit rather than New to add postpartum data to a previously recorded pregnancy record.</p>			
	Type	Command Button		
	Hot Key	Alt + T		
Record Dates	<p>This is the date pregnancy or postpartum data was first recorded. The drop-down and spin control allow selection of historical pregnancy and postpartum data. When the New button is clicked, this date defaults to today's date. It cannot be updated by the user.</p>			
	Type	Record Selector		
	Contents	Dates of pregnancy records		
	DB Column	Pregnancy.EffectiveDt		
English	<p>When selected, this radio button allows the user to view Pre-Pregnancy Weight and Weight Gained This Pregnancy in pounds. English is the default unit of measure.</p>			
	Type	Radio Button		
	Required	NA		
	DB Column	NA		
Metric	<p>When selected, this radio button allows the user to view Pre-Pregnancy Weight and Weight Gained This Pregnancy in kilograms.</p>			
	Type	Radio Button		
	Required	NA		
	DB Column	NA		
Pregnancy - Expected Delivery Date	<p>This date is the expected delivery date of the woman for the pregnancy.</p>			
	Type	Date Picker		
	Required	Yes, if participant category is pregnant		
	Length	8		
	Validation	Numeric, MM/DD/YYYY		
	Display Only	No	Calculated	If not entered
	DB Column	Pregnancy.ExpectedDeliveryDt		

Control	Description			
Pregnancy - Last Menstrual Period	This date is the last menstrual period for the woman, prior to this pregnancy.			
	Type	Date Picker		
	Required	Yes, if participant category is pregnant		
	Length	8		
	Validation	Numeric, MM/DD/YYYY		
	Display Only	No	Calculated	If not entered
	DB Column	Pregnancy.LastMenstrualPeriod		
Pregnancy - Weeks Gestation	Weeks Gestation displays the computed number of weeks gestation of a pregnant woman for the selected pregnancy, relative to today's date.			
	Type	Text Box		
	Required	NA		
	Length	2		
	Validation	Numeric, Mask of Z9		
	Display Only	Yes	Calculated	Yes
	DB Column	NA		
Pregnancy - Pre-Pregnancy Weight	This field is used to record the participant's self-reported weight prior to becoming pregnant. When the English radio button is clicked, Pre-Pregnancy Weight is entered in whole pounds. When the Metric radio button is clicked, Pre-Pregnancy Weight is entered in whole kilograms. Although weight may be entered and viewed in either English or Metric units of measure, the value is stored in the database in English units of measure. Label following the text box if English units is "lbs". Label following the text box if metric units is "kg".			
	Type	Text Box		
	Required	Yes, if participant category is Pregnant Woman. Not required if Pre-Certify = "Yes" or VOC = "Yes".		
	Length	Decimal 7,4		
	Validation	Numeric, Mask of ZZ9.		
	Display Only	No	Calculated	No
	DB Column	Pregnancy.PrepregnancyWtLB		

Control	Description				
Pregnancy – Pre-Pregnancy BMI	The Pre-Pregnancy BMI, or Body Mass Index, is a display-only field. This reflects the pre-pregnancy BMI, not the current BMI.				
	Type	Text Box			
	Required	NA			
	Validation	NA			
	Format	Numeric, Mask of 99.9			
	Display Only	Yes	Calculated	Yes	
	DB Column	NA			
Pregnancy – Multifetal Gestation	This check box is marked when a pregnancy is considered Multifetal. When this check box is marked, a designation is displayed on the Prenatal Weight Gain Grid. This check box also provides the indicator for the “Multiples” designation in the Participant Profiles.				
	Type	Check Box			
	Display Only	No	Calculated	No	
	DB Column	Pregnancy.MultifetalIn			
Infant(s) Born From This Pregnancy - Add	Clicking the Add button brings up the Infant(s) Born From This Pregnancy pop-up. The user can then select infant(s) by marking the checkbox. Upon Close, the infant(s) is added to the text box. This button is only enabled if the participant is a breastfeeding or not breastfeeding woman.				
	Type	Command Button			
	Hot Key	Alt + A			
Infant(s) Born From This Pregnancy - Remove	Clicking the Remove button removes the selected infant’s name from the Infant(s) Born From This Pregnancy list. This button is only enabled if names are available to be removed from the list.				
	Type	Command Button			
	Hot Key	Alt + R			
Infant(s) Born From This Pregnancy – (blank label list box)	This area displays the name(s) of each infant that was a result of the pregnancy. The list is completed at the time postpartum data is added to a pregnancy record. Only infants who are also becoming a participant are available for inclusion in this list.				
	Type	List Box			
	Required	No			
	DB Column	InfantBorn.InfantFullName			
	Code ID	NA			

Control	Description			
Postpartum - Actual Delivery Date	The actual delivery date of the infant associated with the pregnancy. The Date of Birth of the first infant linked to the pregnancy using the Infant(s) Born From This Pregnancy grid, if any, will appear in the Actual Delivery Date field by default. If no infants are linked to the pregnancy, Actual Delivery Date must be entered by the user. The user may change the default Actual Delivery Date value. This date can only be equal to today's date or less.			
Type	Date Picker			
Required	Yes, if participant category = Breastfeeding or Not-breastfeeding Postpartum Woman or if Pregnancy Termination With No Live Births is checked for a Pregnant woman			
Length	8			
Validation	Numeric, MM/DD/YYYY			
Display Only	No	Calculated	No	
DB Column	Pregnancy.ActualDeliveryDt			
Postpartum - Weight Gained This Pregnancy	This field is used to record a postpartum woman's total weight gained during their pregnancy. When the English radio button is clicked, Weight Gained This Pregnancy is entered in whole pounds. When the Metric radio button is clicked, Weight Gained This Pregnancy is entered in whole kilograms. Although weight may be entered and viewed in either English or Metric units of measure, the value is stored in the database in English units of measure. Label following the text box if English units is "lbs". Label following the text box if metric units is "kg".			
Type	Text Box			
Required	Yes, if participant category = Breastfeeding or Non-breastfeeding Postpartum Woman. Not required if VOC = "Yes".			
Length	Decimal 7,4			
Format	Numeric, Mask of -ZZ9, allow for negative weight gain			
Display Only	No	Calculated	No	
DB Column	Pregnancy.WeightGain			
Postpartum – Pregnancy Termination With No Live Birth	This check box is marked when this pregnancy has been terminated and there is no live birth. This allows the certification date to be adjusted without a subsequent certification.			
Type	Check Box			
Display Only	No	Calculated	No	
DB Column	Pregnancy.NoLiveBirthIn			

Business Rules**Family and Participant Header Rules**

1. Display Family Header information in the Tool Bar.
2. Display Participant Sub-Header at the top of this screen.
3. If View is set to Show Over Age and Deceased, then all participants (members with a WIC Status) are displayed in the Participant Record selector.
4. If View is set to not Show Over Age and Deceased, then only participants (members with a WIC Status) that are women, children < 5 years of age, and non-deceased participants are displayed in the Participant Record selector.
5. Participants appear in the record selector in age order, starting with the oldest.
6. Maintain the participant in the record selector when moving between screens.

General Business Rules

7. New and Edit buttons are disabled if ParticipantType.ParticipantTypeCd = "I" or "C".
8. It is necessary for the user to return to this screen to add additional information in the future.
9. Select English by default when screen is accessed.
10. If EDD is completed and no LMP is present, allow the system to continue to auto-populate the LMP when the user tabs out of the EDD field. Calculation is EDD – 40 weeks.
11. If LMP is completed and no EDD is present, allow the system to continue to auto-populate the EDD when the user tabs out of the LMP field. Calculation is LMP + 40 weeks.
12. If both EDD and LMP are complete, if user edits EDD, display a message: "Would you like the Last Menstrual Period recalculated?"
 - a. If Yes, recalculate the LMP as EDD minus 40 weeks.
 - b. If No, leave the current LMP without making any changes.
13. If both EDD and LMP are complete, if user edits LMP, do not update EDD.
14. Calculate Weeks Gestation as $(\text{EDD minus Today's Date}) / 7 = \# \text{ Weeks Remaining}$, rounded down to the nearest whole number, and then 40 minus # Weeks Remaining.
15. Display the Calculated Weeks Gestation for Active or Pending Pregnant women only on the most recent pregnancy record and only if the pregnant certification is still active. For any of these other conditions, display "NA":
 - a. If the Pregnant woman has a WIC status that is something other than Active or Pending.
 - b. If the Pregnancy record is not the most recent Pregnancy record.
 - c. If the participant category is Not Breastfeeding or Breastfeeding.
 - d. The Pregnant certification is no longer active.
 - e. If the Application.ApplicationDt < the Pregnancy.LastMenstrualPeriod.
16. Pre-Pregnancy BMI = $\text{Pre-Pregnancy Weight (lbs)} / \text{height (inches)} / \text{height (inches)} * 703$, rounded to the nearest tenth. The Height value used to compute BMI is the most recent Height value from the Anthropometric screen. If there is no height data the BMI field will be left blank. Once the participant's height is

Business Rules

- entered in the anthropometric screen the user can return to the pregnancy screen and see the BMI.
17. Add button is disabled if ParticipantType.ParticipantTypeCd = "B" or "N" until the New or Edit button is clicked.
 18. Changing from "Pregnant" to "Pregnant" is not a change in Participant category per se, but a new pregnancy requires that the old certification and application be terminated. Therefore, disable the New button on the Pregnancy screen unless the WIC Status is "Pending" (new application).
 19. Display a pop-up message when New is clicked and a pregnancy record exists with a Pregnancy Record Date less than 12 months in the past. If the user clicks OK, complete the New button processing. If the user clicks Cancel, return to the Pregnancy screen without making any changes.
 20. Display a warning when the value entered in the Pre-pregnancy Weight is outside the range identified by [parameter] and [parameter], defined in ClinicServices.PregnantPrepregnancyWeightWarning.
 21. Display a warning when the value entered in the Weight Gained this Pregnancy is outside the range identified by [parameter] and [parameter], defined in ClinicServices.PregnantWeightGainedWarning
 22. Display a delete confirmation message when an infant's name has been selected to be removed from the infant(s) born from this pregnancy box.
 23. Display an error when participant category = pregnant woman and the value entered in Expected Delivery Date is more than 40 weeks in the future.
 24. If the user attempts to move away from this family (go search for another family, go issue benefits for another family, etc.), the user is prompted with a Save confirmation message if any family data has been updated. Required fields are validated.
 25. The Certification End Date and Categorical Eligibility End Date adjust automatically when the Expected Delivery Date is edited and the user leaves the Pregnancy screen. (This is most likely done when a due date changes.) Note: If the user does not save the family when they are leaving the unit of work, then the CED and CEED change reverts back to the original dates.

For Pregnant women, when the Expected Delivery Date on the most recent Pregnancy record is edited,
 - a. If state is utilizing Calendar months, as defined in system parameter, FI.FoodIssuanceCycle, change CED and CEED to Expected Delivery Date + 6 weeks, then advance the CED and CEED to the end of the month.
 - b. If state is utilizing Rolling months, as defined in system parameter, FI.FoodIssuanceCycle, change CED and CEED to Expected Delivery Date + 6 weeks minus 1 day.
 26. The Certification End Date and Categorical Eligibility End Date adjust automatically when the Pregnancy Termination With No Live Birth check box is marked, an Actual Delivery Date is filled in and the user leaves the Pregnancy screen. Note: If the user does not save the family when they are leaving the unit of work, then the CED and CEED change reverts back to the original dates.

For Pregnant and Not-Breastfeeding women, when the Actual Delivery Date and Pregnancy Termination With No Live birth check box is marked.

Business Rules

- a. If state is utilizing Calendar months, as defined in system parameter, FI.FoodIssuanceCycle, change CED and CEED to Actual Delivery Date + 6 weeks, then advance the CED to the end of the month.
 - b. If state is utilizing Rolling months, as defined in system parameter, FI.FoodIssuanceCycle, change CED and CEED to Actual Delivery Date + 6 weeks minus 1 day.
27. If Infant(s) Born From This Pregnancy are added, set the Participant.MomPartID and Participant.MomFullName (First Name, Middle Initial, Last Name) based on the participant in the record selector.
 28. Display error message if Expected Delivery Date is more than 18 months in the past.
 29. Display error message if Last Menstrual Period is more than 30 months in the past.
 30. If Multifetal Gestation is selected, then disable and uncheck any Risk 131 or Risk 133 that has been selected on any Anthropometric record with a Record Date \geq the Record Date on the Pregnancy record.
 31. If Multifetal Gestation is selected, then select the 335 risk checkbox on any Pregnant Nutrition Interviews with a Record Date \geq the Record Date on the Pregnancy record.
 32. If Multifetal Gestation is unselected, then uncheck the Risk 335 checkbox on any nutrition interview with a Record Date \geq the Record Date on the Pregnancy record.

Developer Notes

1. English to Metric conversions:
 - To convert pounds to kilograms, use $(\text{pounds}/2.21) = \text{kg}$.
 - To convert kilograms to pounds, use $(\text{kg} * 2.21) = \text{pounds}$.
 - To convert inches to centimeters, use $(\text{inches}/.39) = \text{cm}$.
 - To convert centimeters to inches, use $(\text{cm}*.39) = \text{inches}$.

1.2.1 Infant(s) Born From This Pregnancy Pop-up

This pop-up screen allows the user to identify the infant or infants that are the result of a pregnancy. Only participants with category = infants are displayed on the list. If the user selects one or more names from the list and clicks Close, those names are to be added to the Infant(s) Born From This Pregnancy grid on the Pregnancy screen.



Control	Description		
Infant(s) Born From This Pregnancy	Each row in this grid consists of a checkbox plus the name of one infant participant in the family. To link an infant on this list with a pregnancy, click the checkbox next to the infant(s) from the pregnancy.		
	Type	Data Grid	
(checkboxes not labeled)	A checkbox precedes the name of each infant in the family. If checked and the screen is closed, then the infant(s) name will be added to the display of Infants Born From This Pregnancy box on the Pregnancy screen. This links an infant to a pregnancy. More than one infant may be selected.		
	Type	Checkbox	
	Required	No	
	Display Only	No	Calculated No
	DB Column	InfantBorn.ID	
(infant names not labeled)	Each row lists the concatenated name of an infant participant in the family not already associated with another pregnancy.		
	Type	Text Box	
	Required	NA	
	Length	NA	
	Validation	NA	
	Display Only	Yes	Calculated No
	DB Column	InfantBorn.InfantFullName	
Close	Clicking the Close button closes the Infant(s) Born From This Pregnancy screen and returns the user to the Pregnancy screen.		
	Type	Command Button	
	Hot Key	Alt + C	

Business Rules

- Sort the infant’s names from oldest to youngest and then alphabetically.

Developer Notes

- The Infant(s) Born From This Pregnancy screen is accessed by clicking the Add button on the Pregnancy screen. When the user closes the Infant(s) Born From This Pregnancy screen, they are returned to the Pregnancy screen.

1.3 BF PC Documentation

This is the screen where BF PC record information gathered during a peer counselor contact. It also provides a summary of BF PC contacts related to this pregnancy.

> Assessment > BF PC Documentation

<Family Header (See CS Overview)>

<Participant Sub-Header (See CS Overview)>

Control	Description	
Pregnancy Record Dates	This is the record selector for the Pregnancy records. It is used to select a pregnancy record to view associated BF PC documentation records or to add a BF PC documentation record to the pregnancy.	
	Type	Record Selector
	Contents	Formatted date, mm/dd/yyyy, non-editable
	DB Column	Pregnancy.EffectiveDt
Record Dates	This is the record selector for the BF PC Documentation records. It contains the date that the information was recorded in the system. The drop-down and spin control allow selection of historical BF PC Documentation records. When the New button is clicked, this date defaults to today's date. It cannot be updated by the user.	
	Type	Record Selector (Non-Date)
	Contents	Formatted date, mm/dd/yyyy, non-editable
	DB Column	BFPCContact.RecordDt
New	Clicking the New button causes a new BF PC Documentation record to be created. Delete, Summary, Contact Date, Peer Counselor, Type of Contact, Prenatal Topics, Postpartum Topics, Notes, Next Contact Date, and Date Exited Program are enabled.	
	Type	Command Button
	Hot Key	Alt + N
Edit	Clicking the Edit button causes all fields to be enabled so that they can be edited.	
	Type	Command Button
	Hot Key	Alt + T
Delete	Clicking the Delete button causes the selected BF PC Documentation record to be deleted.	
	Type	Command Button
	Hot Key	Alt + D
Summary	Clicking the Summary button causes the user to go to a summary screen that shows all of the BF PC contacts related to this pregnancy. From there, the user may print the desired summary.	
	Type	Command Button
	Hot Key	Alt + U

Control	Description			
Contact Date	This date is the actual date that a BF PC Contact was made. When the New button is clicked, this date defaults to today's date. It can be updated by the user. This date cannot be a future date and cannot be earlier than the associated pregnancy's LMP date.			
	Type	Date Picker		
	Required	Yes		
	Display Only	No	Calculated	No
	DB Column	BFPCContact.ContactDt		
Peer Counselor	This is the name of the BF PC that made the contact with the woman. By default, if a BF PC has been assigned to this woman, that name appears in the list box. The user may select another BF PC from the list. This list contains active BF PC for the participant's agency.			
	Type	List Box		
	Required	Yes		
	DB Column	BFPCContact.BFPC_ID		
	Code ID	BFPeerCounselor table lookup (Stfp_ID field)		
Type of Contact	This is a listing of the various types of Contacts that can be made by the BF PC.			
	Type	List Box		
	Required	Yes		
	DB Column	BFPCContact.ContactTypeCd		
	Code ID	BF PC Contact This code element is non-editable. The installed values are: No Answer Clinic visit Home visit Hospital visit Telephone support Peer Support Group Mailing Other		

Control	Description			
Prenatal Topics - checkboxes	Multiple topics can be made available in the Prenatal Topics checked list box. This checked list box is scrollable based on the number of topics to be displayed. The user selects the topics covered in the Contact. The presence of a topic in the list is based on the BF PC Topics defined in System Administration, BF PC Documentation Setup.			
	Type	Check Box		
	Display Only	No	Calculated	No
	DB Column	BFPCDocumentation.BFPCT_ID		
Postpartum Topics – checkboxes	Multiple topics can be made available in the Postpartum Topics checked list box. This checked list box is scrollable based on the number of topics to be displayed. The user selects the topics covered in the Contact. The presence of a topic in the list is based on the BF PC Topics defined in System Administration, BF PC Documentation Setup.			
	Type	Check Box		
	Display Only	No	Calculated	No
	DB Column	BFPCDocumentation.BFPCT_ID		
Notes	This is a free-form text box for the user to record any additional notes related to this contact or this record. Subjective information, observations, and historical notes are recorded here.			
	Type	Multi Line Text Box, limit to 500 characters		
	Required	No		
	Display Only	No	Calculated	No
	DB Column	BFPCContact.Notes		
Next Contact Date	This date is the next time that the BF PC expects to have a contact with this woman. This date cannot be in the past.			
	Type	Date Picker		
	Required	No		
	Display Only	No	Calculated	No
	DB Column	Pregnancy.BFPCNextContactDt		

Control	Description			
Date Exited BF PC Program	This date is the date that a woman is no longer part of the BF PC program. When a date has been entered in this field, then this woman is no longer included in BF PC caseload numbers. This date cannot be in the future.			
	Type	Date Picker		
	Required	No		
	Display Only	No	Calculated	No
	DB Column	Pregnancy.BFPCExitDt		
<Last Modified By User and Date>	In the lower right-hand corner, the user and the date of the last update of the BF peer counseling documentation record are displayed.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of 'firstname lastname mm/dd/yyyy'		
	Display Only	Yes	Calculated	No
	DB Column	The most recent of BFPCContact.ModifyStfpID + BFPCContact.ModifyDt OR BFPCDocumentation.ModifyStfpID + BFPCDocumentation.ModifyDt		

Business Rules
<p>Family and Participant Header Rules</p> <ol style="list-style-type: none"> 1. Display Family Header information in the Tool Bar. 2. Display Participant Sub-Header at the top of this screen. 3. If View is set to Show Over Age and Deceased, then all participants (members with a WIC Status) are displayed in the Participant Record selector. 4. If View is set to not Show Over Age and Deceased, then only participants (members with a WIC Status) that are women, children < 5 years of age, and non-deceased participants are displayed in the Participant Record selector. 5. Participants appear in the record selector in age order, starting with the oldest. 6. Maintain the participant in the record selector when moving between screens. <p>General Business Rules</p> <ol style="list-style-type: none"> 7. New, Edit, Delete, and Summary buttons disabled if Participant.ParticipantTypeCd = "I", "C", or "N". 8. Display an error if Type of Contact is selected and no topics have been selected. 9. Display an error if Next Contact Date is greater than Date Exited BF PC Program. 10. The Edit and Delete buttons utilize Today functionality. 11. If the user attempts to move away from this family (go search for another family,

Business Rules

go issue benefits for another family, etc.), the user is prompted with a Save confirmation message if any family data has been updated. Required fields are validated.

12. Display "Y/R" to the right of the topic description for all active topics with the indicator, BFPCDocType.YieldRefferalln = Yes,

Developer Notes

- 1.

1.3.1 BF PC Documentation Summary Pop-up

This is a summary view of all of the BF PC contacts related to this pregnancy.

Print Full Summary	Name:	Stephanie Dill	Category:	Breastfeeding
Print Visit Form	LA-Clinic:	31-1	Family ID:	20418
	Age:	26 years	ADD/EDD:	12/15/2006
	Address:	342 Rose Circle, Apt 2, Wall Lake, UT 55555		
	Phone:	777-555-7777		
<hr/>				
	Infant's Name:	Sally Dill	DOB:	12/10/2006
	Weeks Gestation:	39	Birth Weight:	6-8 lbs/oz
<hr/>				
	BF Equipment: 12/17/2006 – <u>Medela Lactina</u>			
<hr/>				
	Contact Date:	12/07/2007	BF PC:	Rose Singer
	Contact Type:	Home visit		
	Infant Current Age:	NA		
	Infant Current Weight:	NA		
	Content Topics:	BF techniques, BF management		
	Note:	Mom is anxious and ready for baby.		
<hr/>				
	Contact Date:	11/05/2006	BF PC:	Rose Singer
	Contact Type:	Home visit		
	Infant Current Age:	NA		
	Infant Current Weight:	NA		
	Content Topics:	BF benefits, BF barriers		
	Note:	Mom tried to BF 1 st baby, lasted about 2 weeks, different support this time		
<div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">Close</div>				

Note: Date has been added to pop-up screen above Name so that it is available when printing the Full Summary. The mockup was not updated. This note can be removed when mockups are updated with real system screen shots.

Note: The mockup shows "Note", but it should be "Notes" to be consistent with the name of the field where the data comes from. The mockup was not updated. This note can be removed when mockups are updated with real system screen shots.

Control	Description			
Print Full Summary	Clicking the Print Full Summary button prints the full BF PC contact summary for this pregnancy. See BF PC Full Summary for more information.			
	Type	Command Button		
	Hot Key	None		
Print Visit Form	Clicking the Print Visit Form button prints a form that can be used by the BF PC to document a visit for later data entry into the data system. See BF PC Visit Form for more information.			
	Type	Command Button		
	Hot Key	None		
Date	This is today's date.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Format as mm/dd/yyyy		
	Display Only	Yes	Calculated	No
	DB Column	Not Stored		
Name	This is the full name of the participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	FamilyMember.FirstName, FamilyMember.MiddleName, FamilyMember.LastName, FamilyMember.LastNameSuffix		
Category	This is the current category of the participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	ParticipantType.ParticipantTypeCD		

Control	Description			
LA-Clinic	This is the current LA-Clinic of the participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	Clinic.LA_ID + Clinic.FFclinicID		
Family ID	This is the Family ID for the participant.			
	Type	Text Box		
	Required	NA		
	Length	9		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	BenefitFamily.FFfamilyID		
EDD/ADD	This is the Expected Delivery Date for the pregnancy for pregnant women or the Actual Delivery Date for the pregnancy for breastfeeding/not breastfeeding women.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of mm/dd/yyyy		
	Display Only	Yes	Calculated	No
	DB Column	EDD = Pregnancy.ExpectedDeliveryDt ADD = Pregnancy.ActualDelDt		
Age	This is the current age of the participant.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9 y		
	Display Only	Yes	Calculated	Yes
	DB Column	Participant.BirthDt		

Control	Description			
Phone #	This is the Home Phone Number of the participant, if available.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of (999) 999-9999		
	Display Only	Yes	Calculated	No
	DB Column	BenefitFamily.HomePhoneAreaCd+ BenefitFamily.HomePhoneNr		
Address	This is the address of the family.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	FamilyAddress.StreetAddrLine1+ FamilyAddress.StreetAddrLine2+ FamilyAddress.Apartment+ FamilyAddress.POBox+ FamilyAddress.City+ FamilyAddress.State+ FamilyAddress.ZipCode+ FamilyAddress.ZipPlus4).		
Infant's Name	This is the name of the infant associated with this pregnancy.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	FamilyMember.FirstName, FamilyMember.MiddleName, FamilyMember.LastName, FamilyMember.LastNameSuffix where Participant category = I		

Control	Description			
DOB	This is the DOB of the infant associated with this pregnancy.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of mm/dd/yyyy		
	Display Only	Yes	Calculated	No
	DB Column	Participant.BirthDt		
Weeks Gestation	This is the recorded number of weeks gestation for the infant.			
	Type	Text Box		
	Required	NA		
	Length	2		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	Anthro.WeeksGestationNr and Anthro.BirthMeasureIn = "Y"		
Birth Weight	This is the Birth Weight of the infant expressed in pounds and ounces.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	Mask of Z9 – Z9 Lbs/Oz		
	Display Only	Yes	Calculated	No
	DB Column	Anthro.BirthMeasureIn + Anthro.WeightLBS		

Control	Description			
BF Equipment	This provides information about the BF equipment (pumps/supplies) that have been provided to the woman to date. The date that equipment was provided and the actual items are listed (including serial number if one is available). The most recent dates are listed first. List only items that have been provided during the dates of the current pregnancy.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	mm/dd/yyyy – xxxx, xxxx, mm/dd/yyyy – xxxx, xxxx		
	Display Only	Yes	Calculated	No
	DB Column	BreastPump.RecordedDt + BreastPump.SIIH_ID, BFSupply.NSIT_ID		
Contact	Each BF PC Contact is summarized. This includes Contact Date, BF PC name, Contact Type, Infant Current Age and Infant Current Weight if applicable, Content topics, and Notes. There may be multiple Contacts. The most recent Contact is listed at the top. A dark line separates each contact.			
	Type	Text Box		
	Required	NA		
	Length	NA		
	Validation	NA		
	Display Only	Yes	Calculated	No
	DB Column	BFPCContact.ContactDt + BFPCContact.BFPC_ID + BFPCDocumentation.BFPCT_ID + BFPCContact.Note		
Close	Clicking the Close button closes the BF PC Documentation Summary pop-up and returns the user to the BF PC Documentation screen.			
	Type	Command Button		
	Hot Key	Alt + C		

Business Rules
<ol style="list-style-type: none"> 1. If there is more than one infant linked to this pregnancy, repeat the Infant information: Infant’s Name, DOB, Weeks Gestation, and Birth Weight. 2. ADD/EDD <ol style="list-style-type: none"> a. Display “EDD” label for Pregnant woman. Data is from Pregnancy.ExpectedDeliveryDt.

Business Rules

- b. Display "ADD" label for Breastfeeding woman. Data is from Pregnancy.ActualDeliveryDt.
- 3. Age is calculated as Today's Date minus Date of Birth, Participant.BirthDt.
- 4. Separate address information with commas to allow for address to be printed in compact area.

Infant Information

- 5. If infant(s) is not yet associated with this pregnancy, then fill Infant information fields with NA.
- 6. Repeat Infant information if multiple infants associated with the breastfeeding woman from this pregnancy.

BF Equipment Inventory

- 7. If no BF Equipment associated with this pregnancy, then fill with NA.
- 8. If multiple pieces of BF Equipment have been issued for this pregnancy, list all starting with the first date issued during the pregnancy. Separate with commas.

Contact Information

- 9. Each BF PC Contact for this pregnancy contains the following information:
 - a. Contact Date – the date the BF PC contact took place, stored in BFPCContact.ContactDt .
 - b. BF PC – the Name of the BF PC that made the BF PC contact, stored in BFPCContact.BFPC_ID.
 - c. Contact Type – the type of BF PC contact, stored in BFPCContact.ContactTypeCd.
 - d. Infant Current Age – Age is calculated as Today's Date minus Date of Birth, Participant.BirthDt where Participant category = I.
 - e. Display age as Z9 m Z9 d.
 - f. If no infant(s) associated, indicate NA.
 - g. Infant Current Weight – most recent value in Anthro.WeightLBS+ Anthro.CollecteDt
 - h. Display weight as Z9 - ZZ Lbs/Oz (mm/dd/yyyy).
 - i. If more than one infant, list most current birth weights and date of measure (Z9 - ZZ Lbs/Oz, mm/dd/yyyy) of babies separated by commas.
 - j. Content topics – stored in BFPCDocumentation.BFPCT_ID .
 - k. Separate topics with commas.
 - l. Notes: stored in BFPCContact.Note
 - m. Display "Y/R" to the right of the topic description for all active topics with the indicator, BFPCDocType.YieldRefferalIn = Yes.

General Business Rules

- 10. Provide dividing lines between header/infant information, breastfeeding equipment, and each contact.
- 11. If the BenefitFamily.DoNotCallIn is set to Yes, then do not display the phone number.

Developer Notes

- 1.

1.3.2 BF PC Full Summary (Static)

This is a printed summary of BF PC contacts related to this pregnancy. Additionally, the form allows BF PC to document a visit for later data entry into the data system. If the BenefitFamily.DoNotCallIn is set to Yes, then do print "Do Not Call" in the place of the phone number.

1.3.2.1 Language: English

This output is printed in English only.

1.3.2.2 BF PC Full Summary Mockup

WIC Program - BF PC Full Summary

Date : 12/28/2006

Name: Stephanie Dill Category: Breastfeeding
 LA-Clinic: 31-1 Family ID: 20418 ADD/EDD: 12/15/2006
 Age: 26 years Phone: 777-555-7777
 Address: 342 Rose Circle, Apt 2, Wall Lake, UT 55555

Infant's Name: Sally Dill DOB: 12/10/2006
 Weeks Gestation: 39 Birth Weight: 6-8 Lbs/Oz

BF Equipment: 12/17/2006 – Medela, Lactina, 33876N34R

Contact Date: 12/07/2007 BF PC: Rose Singer
 Contact Type: Home visit
 Infant Current Age: NA
 Infant Current Weight: NA
 Content Topics: BF techniques, BF management
 Note: Mom is anxious and ready for baby.

Contact Date: 11/05/2006 BF PC: Rose Singer
 Contact Type: Home visit
 Infant Current Age: NA
 Infant Current Weight: NA
 Content Topics: BF benefits, BF barriers
 Note: Mom tried to BF 1st baby, lasted about 2 weeks, different support this time.

Business Rules

Header Information

1. Date is today's date. Format as mm/dd/yyyy.
2. Name is Participant's Name.
 - a. The participant's name is
 FamilyMember.FirstName+FamilyMember.MiddleName+FamilyMember.Last
 Name+ FamilyMember.LastNameSuffix

Business Rules

3. Category is ParticipantType.ParticipantTypeCD.
4. LA-Clinic is LocalAgency.FFLocalAgencyID, ClinicSchedule.CInID.
5. Family ID is BenefitFamily.FFFamilyID.
6. ADD/EDD
 - a. Display EDD for Pregnant woman, Pregnancy.ExpectedDeliveryDt.
 - b. Display ADD for Breastfeeding woman, Pregnancy.ActualDeliveryDt.
7. Age: Age is calculated as Today's Date minus Date of Birth, Participant.BirthDt.
8. Display age in years. Format Z9
9. Phone: BenefitFamily.HomePhoneAreaCd+BenefitFamily.HomePhoneNr Format as (999) 999-9999.
10. Address is the family address.
 - a. The family address is
 FamilyAddress.StreetAddrLine1+
 FamilyAddress.StreetAddrLine2+
 FamilyAddress.Apartment+ FamilyAddress.POBox+
 FamilyAddress.City+ FamilyAddress.State+ FamilyAddress.ZipCode+
 FamilyAddress.ZipPlus4).
11. Separate address information with commas to allow for address to be printed in compact area.
12. Do not allow space in the printed address for data elements that do not exist in the family record.

Infant Information

13. If infant(s) is not yet associated with this pregnancy, then fill Infant information fields with NA.
14. The infant's name is
 FamilyMember.FirstName+FamilyMember.MiddleName+FamilyMember.LastName+
 FamilyMember.LastNameSuffix where Participant category = I
15. Display as 'FirstName MiddleName LastName LastNameSuffix'.
16. DOB is Participant.BirthDt.
17. Weeks Gestation is Anthro.WeeksGestationNr and Anthro.BirthMeasureIn = "Y"
18. Birth Weight is Anthro.WeightLBS and Anthro.BirthMeasureIn = "Y". Display as Z9 - Z9 Lbs/Oz.
19. Repeat Infant information if multiple infants associated with the breastfeeding woman from this pregnancy.

BF Equipment Inventory

20. If no BF Equipment associated with this pregnancy, then fill with NA.
21. For BF Equipment, list date and the equipment provided. Include serial number if one is available.
 - a. Date is stored in BreastPump.RecordedDt.
 - b. Equipment is stored in BreastPump.SIIH_ID and BFSupply.NSIIT_ID.
 - c. Serial number is stored in SerializedInventoryItemHistory.ProductSerialNr.
22. If multiple pieces of BF Equipment have been issued for this pregnancy, list all starting with the first date issued during the pregnancy. Separate with commas.

Business Rules
<p>Contact Information</p> <p>23. Each BF PC Contact for this pregnancy contains the following information:</p> <ol style="list-style-type: none"> a. Contact Date – the date the BF PC contact took place, stored in BFPCContact.ContactDt . b. BF PC – the Name of the BF PC that made the BF PC contact, stored in BFPCContact.BFPC_ID. c. Contact Type – the type of BF PC contact, stored in BFPCContact.ContactTypeCd. d. Infant Current Age – Age is calculated as Today's Date minus Date of Birth, Participant.BirthDt where Participant category = I. e. Display age as Z9 m Z9 d. f. If no infant(s) associated, indicate NA. g. Infant Current Weight – most recent value in Anthro.WeightLBS+ Anthro.CollecteDt h. Display weight as Z9 – Z9 Lbs/Oz (mm/dd/yyyy). i. If more than one infant, list most current birth weights and date of measure (Z9 – Z9 Lbs/Oz, mm/dd/yyyy) of babies separated by commas. j. Content topics – stored in BFPCDocumentation.BFPCT_ID . k. Separate topics with commas. l. Note: stored in BFPCContact.Note m. Display "Y/R" to the right of the topic description for all active topics with the indicator, BFPCDocType.YieldRefferalln = Yes. <p>General Business Rules</p> <ol style="list-style-type: none"> 24. Provide dividing lines between header/infant information, breastfeeding equipment, and each contact. 25. The clinic services breastfeeding message image appears in the footer-middle of the output. 26. The clinic services header image appears in the header-left of the output. 27. Page numbering in the output appears in the footer-right in the format "Page x of y". n. This UI output is portrait.
Developer Notes
1.

1.3.3 BF PC Visit Form (Static)

This is a form that will be used by the BF PC to document a visit for later data entry into the data system. This form can be used independently or in conjunction with the BF PC Full Summary. If the BenefitFamily.DoNotCallIn is set to Yes, then do print "Do Not Call" in the place of the phone number.

1.3.3.1 Language: English

This output is printed in English only.

1.3.3.2 BF PC Visit Form Mockup

WIC Program - BF PC Visit Form

Contact Date : _____

BF PC: **Rose Singer**

Name: **Stephanie Dill** Category: **Breastfeeding**
 LA-Clinic: **31-1** Family ID: **20418** EDD: **12/15/2006**
 Age: **26 years** Phone: **777-555-7777**
 Address: **342 Rose Circle, Apt 2, Wall Lake, UT 55555**

Infant's Name: **Sally Dill** DOB: **12/10/2006**
 Weeks Gestation: **39** Birth Weight: **6-8 Lbs/Oz**

Type of Contact:

- No Answer
- Clinic visit
- Home visit
- Hospital visit
- Telephone support
- Support group
- Mailing
- Other

Prenatal Topics

- BF barriers
- BF benefits
- BF techniques Y/R
- BF management
- Return to work/school

Postpartum Topics

- Baby's bowel movements
- Baby fussy / colicky
- Baby sick
- BF barriers Y/R
- BF technique (position/latch)
- Class or group invitation

Notes:

Next Contact Date: _____

Term from Program: Yes No

Business Rules**Header Information**

1. Contact Date is a blank line for the BF PC to manually write a date into.
2. The BF PC is the currently assigned BF PC for this woman.
 - a. BF PC is stored in BFPCContact.BFPC_ID.
3. Name is Participant's Name.
4. The participant's name is
 FamilyMember.FirstName+FamilyMember.MiddleName+FamilyMember.LastName+ FamilyMember.LastNameSuffix
5. Category is ParticipantType.ParticipantTypeCD.
6. LA-Clinic is LocalAgency.FFLocalAgencyID, ClinicSchedule.ClnID.
7. Family ID is BenefitFamily.FFFamilyID.
8. ADD/EDD
 - a. Display EDD for Pregnant woman, Pregnancy.ExpectedDeliveryDt.
 - b. Display ADD for Breastfeeding woman, Pregnancy.ActualDeliveryDt.
9. Age: Age is calculated as Today's Date minus Date of Birth, Participant.BirthDt.
10. Display age in years. Format Z9
11. Phone: BenefitFamily.HomePhoneAreaCd+BenefitFamily.HomePhoneNr Format as (999) 999-9999.
12. Address is the family address.
 - a. The family address is
 FamilyAddress.StreetAddrLine1+
 FamilyAddress.StreetAddrLine2+
 FamilyAddress.Apartment+ FamilyAddress.POBox+
 FamilyAddress.City+ FamilyAddress.State+
 FamilyAddress.ZipCode+ FamilyAddress.ZipPlus4).
13. Separate address information with commas to allow for address to be printed in compact area.
14. Do not allow space in the printed address for data elements that do not exist in the family record.

Infant Information

15. If infant(s) is not yet associated with this pregnancy, then fill Infant information fields with NA.
16. The infant's name is
 FamilyMember.FirstName+FamilyMember.MiddleName+FamilyMember.LastName+ FamilyMember.LastNameSuffix where Participant category = |
17. Display as 'FirstName MiddleName LastName LastNameSuffix'.
18. DOB is Participant.BirthDt.
19. Weeks Gestation is Anthro.WeeksGestationNr and Anthro.BirthMeasureIn = "Y"
20. Birth Weight is Anthro.WeightLBS and Anthro.BirthMeasureIn = "Y". Display as Z9-Z9 Lbs/Oz
21. Repeat Infant information if multiple infants associated with the breastfeeding woman from this pregnancy.

Business Rules**Contact Information**

22. Type of Contact listing is based on codes list: BF PC Contact.
23. Display a checkbox for each active Type of Contact.
24. Prenatal Topics and Postpartum Topics are based on active values in System Administration. BFPCDocType.Name
25. Display "Y/R" to the right of the topic description for all active topics with the indicator, BFPCDocType.YieldRefferalIn = Yes.

General Business Rules

26. Provide dividing lines between header/infant information and contact information.
27. The clinic services breastfeeding message image appears in the footer-middle of the output.
28. The clinic services header image appears in the header-left of the output.
29. Page numbering in the output appears in the footer-right in the format "Page x of y".
30. This UI output is portrait.

Developer Notes

- 1.