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1. Introduction

The Interface Control Document for PC (Participant Characteristics) has been created in support of the Michigan Women, Infants and Children (WIC) Information System and contains details regarding the requirements for USDA (United States Department of Agriculture) submission of data for PC.

1.1 Purpose

This document provides detailed documentation of the processes which will extract data into an ASCII file for USDA submission. Relevant assumptions, selection logic and any translations are also defined. PC data is sent in even years (ie 2008, 2010) with a snapshot of participant characteristics as of April 30th of the extract year. This extract covers only the participant data and does not extend to the Nutrition Risk Worksheet or Food Code Documentation which typically accompany PC data (typically due March 31st of the extract year).

1.2 Scope

This document provides MI-WIC standard interface details and is limited to details regarding PC file generation:

   a. Interface Definition (partners, type, etc.)
   b. Telecommunications
   c. Security
   d. Performance requirements
   e. Message Detail (record formats / data elements)
   f. Testing process and procedure
   g. Hardware requirements

1.3 References

The following items are included in the electronic library:

   ➢ PC2008 Guidance
   ➢ PC2010 Guidance

1.4 Assumptions

   ☑ The support model is outside the scope of this document, however it is assumed that although MDTMB will be the point of contact for problem resolution contractual support applies for MIS Contractor support post-implementation

   ☑ Network connectivity, drive mapping and permission on the directory for the output file will be granted to the MDCH user(s) responsible for submission to USDA via the Internet/FTP protocol.
- Although CDC specifications for PNSS/PedNSS allow values for UNKNOWN, the PC Guidance typically doesn’t include those values. Where a particular value is unknown or missing, blanks (spaces) will be used.

- Because the extract is performed only on even years, new guidance is issued with each cycle. This document is based on PC2008 guidance and updated for nutrition risk changes for 2010.

2. Interface Definition

2.1 Interface Partners

USDA Food and Nutrition Service is responsible for publishing interface specifications and submission procedures in the PC Guidance document. They also provide an FTP (file transfer protocol) site for upload of the ASCII file.

Michigan Department of Community Health (MDCH), WIC Division, is responsible for generation of and the content of the files that will be transmitted to the USDA PC.

Michigan Department of Technology, Management, and Budget (MDTMB) is responsible for technical support for MI-WIC file generation and internal configuration to enable file sharing of the generated file.

2.1.1 Organization Name, Address, Contacts

USDA Food and Nutrition Service
Address: Abt Associates Inc.
55 Wheeler St
Cambridge, MA 02318

Michigan Department of Community Health (MDCH), WIC Division
Address: 320 South Walnut, Lewis Cass Building, 6th Floor South
Lansing, MI 48933

Contact: WIC Division Data Manager

Michigan Department of Technology, Management, and Budget (MDTMB)
Address: Chandler Building,
300 E. Michigan Ave
Lansing, MI 48933
2.1.2 Processing entity name, address, contacts (if different)

An MDCH WIC Division user will be responsible for generating the file from the MI-WIC application. MI-WIC will prompt the user for the appropriate as-of date (i.e. 04/30/2010) and extract data from the Oracle database into the required ASCII text file format provided by USDA Food and Nutrition Service for PC, during the next end-of-day processing cycle.

2.1.3 Problem Resolution / Escalation procedures

1. Problems Associated with MI-WIC Data Files. MDTMB will be responsible for resolving technical/connectivity issues such as:
   - Cannot access the internet (for MI-WIC or FTP connectivity)
   - File generation error

2. Problems Associated with Data Contained in MI-WIC files: MDCH WIC will be responsible for resolving issues associated with the information transmitted to USDA via the PC ASCII files.

3. Problems Associated with USDA PC processing: FTP site will be operated as specified by contact Abt Associates

2.2 Interface Type (i.e. batch, online, transactional, web services, etc.)

The PC interface is an ASCII file. The online MI-WIC Reporting option within the Admin module will provide the capability to generate the PC ASCII file for the appropriate timeframe.

2.2.1 File Naming Convention

The file generated from MI-WIC to the application server location for interface files will follow the convention `MI_yyyymmdd_PC.txt`, where the dates `yyyymmdd` define the as of date for the snapshot of participant data.
### 2.2.2 File Layout

As provided Guidance for States Providing Participant Data, the records submitted will include both required (Minimum Data Set) and optional (Supplemental Data Set) fields. Detailed information can be found in this document under [Section 6. Message Detail](#).

#### PC Field Types

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<td>20n</td>
<td>Food Code #14 (Left Justified)</td>
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<td>324</td>
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<tr>
<td>20o</td>
<td>Food Package Type</td>
<td>325</td>
<td>326</td>
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</table>

**Supplemental Data Set**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Value1</th>
<th>Value2</th>
<th>Value3</th>
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<tr>
<td>21</td>
<td>Date of First WIC Certification(mmddyyyy)</td>
<td>327</td>
<td>334</td>
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<tr>
<td>22</td>
<td>Education level</td>
<td>335</td>
<td>336</td>
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</tr>
<tr>
<td>23</td>
<td>Number in Household in WIC</td>
<td>337</td>
<td>338</td>
<td>2</td>
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<tr>
<td>24</td>
<td>Date Previous Pregnancy Ended(mmddyyyy)</td>
<td>339</td>
<td>346</td>
<td>8</td>
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<td>25</td>
<td>Total Number of Pregnancies</td>
<td>347</td>
<td>348</td>
<td>2</td>
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<tr>
<td>26</td>
<td>Total Number of Live Births</td>
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<td>Prepregnancy Weight in Pounds</td>
<td>351</td>
<td>353</td>
<td>3</td>
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<tr>
<td>27a(ii)</td>
<td>Nearest Quarter Pound of Participant’s Prepregnancy Weight</td>
<td>354</td>
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<tr>
<td>27b</td>
<td>Participant’s Prepregnancy Weight in Grams</td>
<td>355</td>
<td>360</td>
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<tr>
<td>28a(i)</td>
<td>Weight Gain During Pregnancy in Pounds</td>
<td>361</td>
<td>363</td>
<td>3</td>
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<tr>
<td>28a(ii)</td>
<td>Nearest Quarter Pound of Participant’s Weight Gain During Pregnancy</td>
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<td>364</td>
<td>1</td>
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<tr>
<td>28b</td>
<td>Weight Gain During Pregnancy in Grams</td>
<td>365</td>
<td>370</td>
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<tr>
<td>29a(i)</td>
<td>Baby’s Birth Weight in Pounds</td>
<td>371</td>
<td>372</td>
<td>2</td>
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<td>29a(ii)</td>
<td>Ounces of Birth Weight</td>
<td>373</td>
<td>374</td>
<td>2</td>
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<tr>
<td>29b</td>
<td>Baby’s Birth Weight in Grams</td>
<td>375</td>
<td>378</td>
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<tr>
<td>30a(i)</td>
<td>Baby’s Length at Birth in Inches</td>
<td>379</td>
<td>380</td>
<td>2</td>
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<tr>
<td>30a(ii)</td>
<td>Nearest Eighth of an Inch of Baby’s Length at Birth</td>
<td>381</td>
<td>381</td>
<td>1</td>
</tr>
<tr>
<td>30b</td>
<td>Baby’s Length at Birth in Centimeters</td>
<td>382</td>
<td>384</td>
<td>3</td>
</tr>
</tbody>
</table>
2.3  **Interface Design**

The following diagram depicts the processes and components of this interface. In general, the file generation occurs within MI-WIC initiated through the UI. The generated file is then submitted by the user to USDA via FTP.

![Interface Design Architecture](image)

**Figure 1 - Interface Design Architecture**

3. **Telecommunications**

All processing is performed via internet access using an FTP protocol as specified by the USDA point of contact.

4. **Security**

MDTMB provides the MI-WIC web-site and certificates for https access. USDA provides ftp site and credentials.
4.1 *Encryption*

The MI-WIC system-generated internal numeric identifier, distinct from the actual WIC identifier, will be used for extract to protect confidentiality.

File transmission encryption is as provided by the USDA FTP protocol.

4.2 *User authentication and access privileges*

UDSA will supply the user credentials for FTP transfer of the PC file.

4.3 *Firewalls*

Not applicable

4.4 *Configuration and management*

Not applicable

5. **Performance Requirements**

Given the frequency of execution as every other year, performance requirements for these processes aren’t strict. The extract process will be designed to run as a background job and performance will be constrained by I/O (since the majority of the operation will be writing records for each applicable participant to flat files). Performance will be analyzed for indexing and parallel processing if extract processing is longer than one hour.

Data is expected to be extracted and submitted prior to August 31st of the extract year. Any updates or resubmission must be completed by October 31st of the extract year.

6. **Message Detail**

6.1 *Transaction, message or record formats (a single interface may have multiple message types)*

Data extracted and submitted will follow the bi-annual guidelines published by USDA. The PC ASCII file consists of a single certification record for each client with an active certification and their relevant data as of April 30th in the single record format provided in File Layout table above.
6.2 Data Elements

This information is taken from the PC Guidance, with changes made to reflect MI-WIC specific processing. Numbering is sequential, the value in parenthesis after the field name reflects the information in File Layout table above.

6.2.1 State Agency ID (1)

Data Position/Format - Record Positions 1–7 (9999999)

Definition
A unique number that permits linkage to the WIC State agency where the participant was certified. It is the first seven digits of the ten-digit Local Agency code maintained by FNS in the WIC Local Agency Directory (WIC LAD).

MI-WIC Processing
For the client, the required field for the family's assigned clinic (C_FAMILY_ECONOMIC_UNITS.OU_SEQ_ID) is linked to the FNS identifier for that clinic (O_ORGANIZATIONAL_UNITS.FNS_CODE provides all 10 digits for state and local agency below).

6.2.2 Local Agency ID (2a)

Data Position/Format - Record Position 8-10 (999)

Definition
A unique number that permits linkage to the local agency where the participants was certified as eligible for WIC benefits. It is the last three digits of the ten-digit Local Agency Code maintained by FNS in WIC LAD.

MI-WIC Processing
For the client, the required field for the family's assigned clinic (C_FAMILY_ECONOMIC_UNITS.OU_SEQ_ID) is linked to the FNS identifier for that clinic (O_ORGANIZATIONAL_UNITS.FNS_CODE provides all 10 digits with state agency above).

6.2.3 Service Site ID (2b)

Data Position/Format - Record Position 11-13 (999)

Definition
A unique number that permits linkage to the service site where the participant was certified. For States that submitted service site or clinic-level data for WIC LAD, service site IDs appear in WIC LAD as the three-digit codes under Administering Agency.

MI-WIC Processing
MI-WIC doesn't provide this detail, so it will be constant ‘ ’ (blanks).
6.2.4  Case ID (3)
Data Position/Format - Record Position 14-24 (99999999999)

Definition
A unique record number for each participant which maintains individual privacy at the national level. This should **not** be the case number of the participant as listed in State-held files.

MI-WIC Processing
This is the system-generates confidential identifier created for each client identifier. (C_CLIENTS.CONFIDENTIAL_ID, left-padded with 0's to 11 digits).

6.2.5  Date of Birth (4)
Data Position/Format - Record Position 25-32 (mmddyyyy)

Definition
Month, day, and year of participant's birth reported in MMDDYYYY format

MI-WIC Processing
This is the birth date for the client (C_CLIENTS.BIRTH_DATE) formatted mmddyyyy on extract.

6.2.6  Race/Ethnicity (5)
Data Position/Format - Record Positions 33-38 (999999)

Definition
This categorization requires classification of participants based on ethnicity as well as race. The two ethnic categories are Hispanic/Latino or Not Hispanic/Latino. The five racial categories, as required by OMB, are: American Indian or Alaska Native; Asian; Black or African American; Native Hawaiian or Other Pacific Islander; or White. One or more racial categories may be selected.
States may report race/ethnicity using one of two formats:
- yes/no for each of the categories resulting in a six (6) digit code (1=yes; 2=no), or
- three (3) digits to represent key combinations of racial selections with the first digit representing ethnicity and the last two representing race combinations.

MI-WIC Processing
This field will be built by translating and concatenating the required fields for race/ethnicity for the client. The fields listed below will be translated from 0(no)/1(yes)/NULL(not answered) to 2(no)/1(yes)/' ' (blanks if missing). Note that system edits enforce checking Yes or No, so data should not be missing.
C_CLIENTS.RACE_HISP
C_CLIENTS.RACE_INDIAN_ALASKAN
C_CLIENTS.RACE_ASIAN
C_CLIENTS.RACE_AFRO
C_CLIENTS.RACE_NATIVE_ISLANDER
C_CLIENTS.RACE_WHITE
6.2.7 Certification Category (6a)

Data Position/Format - Record Positions 39 (9)

Definition
The category—One of five possible categories participant was assigned at certification.
1 = Pregnant Woman
2 = Breastfeeding Woman
3 = Postpartum Woman, not breastfeeding
4 = Infant (under 12 months)
5 = Child (12-59 months)

MI-WIC Processing
Lookup on C_CATEGORIES.PC_VALUE using C_CERTIFICATIONS.CAT_CATEGORY_CODE. Note that for each MI-WIC category code the relevant PC value is stored in the lookup C_CATEGORIES to support the translation (such as C_CERTIFICATIONS.CAT_CATEGORY_CODE='PG' to C_CATEGORIES.PC_VALUE='1'.

6.2.8 Expected Date of Delivery (6b)

Data Position/Format - Record Position 40-47 (mmddyyyy)

Definition
Expected date of delivery for pregnant women, reported in an MMDDYYYY format.

MI-WIC Processing
If client is a pregnant woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE = 'PG'), then format ESTIMATED_DELIVERY_DATE as mmddyyyy. Otherwise set to blanks ‘ ’.

6.2.9 Weeks Gestation (6c)

Data Position/Format - Record Position 48-49 (99)

Definition
Number of weeks since pregnant woman's last menstrual period, as of the date of the most recent certification in April 2008.

MI-WIC Processing
This field will be constant ‘ ’, since preceding field Expected Delivery Date will be supplied instead.

6.2.10 Date of Certification (7)

Data Position/Format - Record Position 50-57 (mmddyyyy)

Definition
The month, day, and year of the participant's current certification (for the most recent certification as of April 2008) reported in an MMDDYYYY format.

**MI-WIC Processing**
This is certification start date (C_CERTIFICATIONS.CERT_START_DATE) formatted as mmddyyyy on extract.

### 6.2.11 Sex (8)
**Data Position/Format** - Record Position 58 (9)

**Definition**
Indication of whether infant or child is male or female

**Acceptable Values**
1 = Male
2 = Female

**MI-WIC Processing**
This field will be interpreted from C_CLIENTS.GENDER, from M(Male)/F(Female) to 1 / 2 for infants/children. For women, the field should be ‘ ’(blank).

### 6.2.12 Risk Priority Code (9)
**Data Position/Format** - Record Position 59 (9)

**Definition**
The participant's priority at the time of his/her most current certification date.

- 1 = Priority I: Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by anthropometric or hematological assessment or by other documented nutritionally related medical condition.
- 2 = Priority II: Infants up to 6 months of age of mothers who participated in WIC during pregnancy, or who would have been eligible to participate under Priority I documented medical condition. This priority may also be assigned to a breastfeeding mother of an infant who is classified as Priority II.
- 3 = Priority III: Children at nutritional risk, as demonstrated by anthropometric or hematological assessment of other documented medical condition. Can also include high-risk postpartum women.
- 4 = Priority IV: Pregnant and breastfeeding women and infants, at nutritional risk as demonstrated by inadequate dietary pattern. Can also include high-risk postpartum women and homeless and migrant pregnant and breastfeeding women and infants.
- 5 = Priority V: Children at nutritional risk due to inadequate dietary pattern. Can also include high-risk postpartum women and homeless and migrant children.
- 6 = Priority VI: Postpartum women, not breastfeeding, at nutritional risk on either medical or dietary criteria unless assigned to higher priorities at state discretion. At State option, this priority can also include homeless and migrant postpartum women.
- 7 = Priority VII: Previously certified participants likely to regress in nutritional status without continuation of supplemental food. At State option, this priority can also include homeless and migrant participants.

MI-WIC Processing
This is the priority associated with the certification (C_CERTIFICATIONS.CP2_ID); if the cp2_id is 8 (as allowed for MI-WIC transfer risks) then it will be set to 7.

Note: Lookup table C_RISK_FACTORS ensures the appropriate priority (CP2_ID) is assigned with a lookup by risk factor and category. For each certification the system assigns the lowest value (highest priority) for the risk factors assessed for the client.

6.2.13 Participation in TANF or SFDC (10a)

Definition
Does the participant or family member of the participant receive TANF (Temporary Assistance to Needy Families) benefits?

Acceptable Values
1 = Yes
2 = No

MI-WIC Processing
The field C_CLIENT_ADJUNCT_ELIGIBILITY.FIP_REPORTED is translated to this field from 1(yes)/2(no)/3(unknown)/NULL(missing) to 1(yes)/2(no)/' '(blank if unknown/missing).

6.2.14 Participation in Food Stamps (10b)

Definition
Does the receive Food Stamps?

Acceptable Values
1 = Yes
2 = No

MI-WIC Processing
The field C_CLIENT_ADJUNCT_ELIGIBILITY.FOOD_STAMP_REPORTED is translated to this field from 1(yes)/2(no)/3(unknown)/NULL(missing) to 1(yes)/2(no)/' '(blank if unknown/missing).

6.2.15 Participation In Medicaid (10c)

Definition
Does the receive Medicaid?

Acceptable Values
1 = Yes
2 = No

MI-WIC Processing
The field C_CLIENT_ADJUNCT_ELIGIBILITY.MEDICAID_REPORTED is translated to this field from 1(yes)/2(no)/3(unknown)/NULL(missing) to 1(yes)/2(no)/' '(blank if unknown/missing).
**Definition**

Does the receive Medicaid benefits or is the participant a member of a family in which a pregnant woman or an infant is certified eligible to receive assistance under Medicaid?

**Acceptable Values**

1 = Yes  
2 = No

**MI-WIC Processing**

The field C_CLIENT_ADJUNCT_ELIGIBILITY.MEDICAID_REPORTED is translated to this field from 1(yes)/2(no)/3(unknown)/NULL(missing) to 1(yes)/2(no)/‘ ‘(blank if unknown/missing).

---

### 6.2.16 Migrant Status (11)

**Data Position (optional Format) - Record Position 63 (9)**

**Definition**

Is any member of the family a migrant worker? According to the WIC Program Consolidated Regulations a migrant farmworker is an individual whose principal employment is in agriculture, on a seasonal basis, who has been so employed within the last 24 months, and who establishes, for the purpose of such employment, a temporary abode.

1 = Yes  
2 = No

**MI-WIC Processing**

The migrant status of the family to which the client belongs at the time of extract (C_FAMILY_ECONOMIC_UNITS.MIGRANT_FLAG), translated on extract from 0(no)/1(yes)/NULL(unknown) to 2(no)/1(yes)/‘ ‘(missing or unknown).

---

### 6.2.17 Number in Economic Unit (12)

**Data Position/Format - Record Position 64-65 (99)**

**Definition**

The number of persons in the economic unit upon which income eligibility is based. A self-declared number in the economic unit for those eligible for WIC due to participation in other means-tested programs or those persons deemed eligible under optional procedures available to the State Agency in Federal WIC Regulations, Section 246.7(d)(2)(vi-viii).

**MI-WIC Processing**

This is required field for family household size (C_FAMILY_ECONOMIC_UNITS.FAMILY_SIZE) left padded with 0 to 2 digits on extract. Audit trail table E_AUDIT_FAMILY_ECONOMIC_UNITS will be used, if applicable, to provide the family size at the date of visit (as it may change over time).
6.2.18 *Family Income (13a)*

**Data Position/Format** - Record Position 66-70 (99999)

**Definition**
For a person whose income is determined during the certification process, enter the income amount that was used to qualify the individual for WIC benefits. For a participant whose income was not required to be determined for WIC certification, enter a self-declared income for descriptive purposes only. Self-declared incomes for these participants may be entered in dollar amounts in MDS Items 13a and 13b or by income categories in MDS Item 13c.

For a participant whose income was not required as part of WIC certification, entry of a self-declared amount should not be used by State data systems to alter WIC eligibility decisions. From a regulatory point of view, such eligibility is based on the means test provided by other programs such as TANF, the Food Stamp Program, Medicaid, and, at State option, other programs selected by a State agency. As long as the participant is a bona fide participant in such other programs, apparent discrepancies in income amounts need not be edited from WIC files nor examined for potential effects on WIC eligibility.

For Indian State agencies, which have opted to implement alternative income eligibility procedures, as set forth in Section 246.7(d)(2)(viii) of the Federal WIC regulations, self-declared incomes may be stated in dollars or selected from income codes in MDS Item 13c.

**MI-WIC Processing**
If the participant is a foster child, then the child’s monthly income will be reported. Otherwise the family income documented/verified on the date of certification will be reported (C_INCOMES.INCOME – the annual amount), left padded with 0’s to 5 digits on extract.

6.2.19 *Income Period (13b)*

**Data Position/Format** - Record Position 71 (9)

**Definition**
The period covered by the amount described in the FAMILY INCOME field (item 13a).

1 = Weekly
2 = Monthly
3 = Biweekly (every two weeks)
4 = Annually

**MI-WIC Processing**
Constant value ‘4’, since annual income will be reported.

6.2.20 *Income Ranges*

**Data Position/Format** - Record Position 72-73 (99)

**Definition**
Self-declared income for the family/economic unit expressed in a dollar range for any participant whose income was not required to be determined as part of the WIC certification process. Participants whose
incomes are not required to be determined during WIC certification include adjunctively income-eligible participants and those persons deemed income eligible under optional procedures available to the State agency in Federal WIC Regulations, Section 246.7(d)(2)(vi-vii).

**MI-WIC Processing**
Constant value ’ ’, since annual income amount will be reported.

### 6.2.21 Nutritional Risk (14a-j)

**Data Position/Format**

**Record positions**
Nutritional Risks (any order) Positions
- a. Nutritional Risk #1: 74-79
- b. Nutritional Risk #2: 80-85
- c. Nutritional Risk #3: 86-91
- d. Nutritional Risk #4: 92-97
- e. Nutritional Risk #5: 98-103
- f. Nutritional Risk #6: 104-109
- g. Nutritional Risk #7: 110-115
- h. Nutritional Risk #8: 116-121
- i. Nutritional Risk #9: 122-127
- j. Nutritional Risk #10: 128-133

**Field length** 6 for each code; 60 totals

**Definition**
Nutritional risk present at certification as recorded on State files.

**MI-WIC Processing**
The field C_HEALTH_RISK_FACTORS.RISK_FACTORS_TYPE, left padded with 0 to 4 digits. All risks for the client and Date of Certification will be selected. If more than 10 risks exist, only 10 will be reported. If less than 10 risks exist then remaining risk fields will be blank.

### 6.2.22 Hemoglobin (15a)

**Data Position/Format** - Record Position 134-136 (999)

**Definition**
Value for the measure of iron status that applies to the current certification. Reported in grams/dl (XX.Y) with a single implied decimal place. For example, 20.9 should be coded as 209.

**MI-WIC Processing**
C_BLOODWORK_DATA.HEMOGLOBIN * 10 left padded with 0 to 3 digits - set to ‘ ‘ (blanks) on extract if C_BLOODWORK_DATA.NO_BLOODWORK_FLAG=1; take latest value where with
RETEST_FLAG = 1 if a row also exists with RETEST_FLAG=0. Value set to ‘’ (blank) if missing; if this value is set to blank than Hematocrit(15b below) will be assessed.

6.2.23 Hematocrit (15b)

Data Position/Format - Record Position 137-139 (999)

Definition
Value for the measure of iron status that applies to the current certification. Reported to the nearest tenth of a percent (XX.Y) with a single implied decimal place. For example, 37.6 should be coded as 376.

MI-WIC Processing
If Hemoglobin(15a) <> ’’, then set to ‘’ (blanks). Otherwise, evaluate as
C_BLOODWORK_DATA.HEMATOCRIT * 10 - Set to ‘’ (blanks) on extract if
C_BLOODWORK_DATA.NO_BLOODWORK_FLAG=1 taking the latest value where with
RETEST_FLAG = 1 if a row also exists with RETEST_FLAG=0

6.2.24 Date of Blood Test (15c)

Data Position/Format - Record Position 140-147 (mmddyyyy)

Definition
The month, day, and year participant’s blood measure was taken, reported in MMDDYYYY format. This is required for all participants reporting a blood measure.

MI-WIC Processing
C_BLOODWORK_DATA.BLOODWORK_DATA_DATE formatted as mmddyyyy on extract. Bloodwork data will be extracted for the latest entry where BLOODWORK_DATA_DATE / DATE_CREATED <
extract date. The bloodwork with latest BLOODWORK_DATA_DATE will be used. If
C_BLOODWORK_DATA.NO_BLOODWORK_FLAG=1, then set as blanks ‘’.

6.2.25 Participant’s Weight in Pounds (16a(i))

Data Position/Format - Record Position 148-150 (999)

Definition
The participant's weight in whole pounds.

MI-WIC Processing
For Infants/Children:
C_INFANT_CHILD_MEDICALS.WEIGHT; converted to whole pounds, left padded with 0 to 3 digits.
(Set to ‘’ on extract if C_INFANT_CHILD_MEDICALS.WEIGHT UNKNOWN_FLAG=1)

For Women:
C_WOMAN_MEDICALS.WEIGHT; converted to whole pounds, left padded with 0 to 3 digits.
(Set to ‘’ on extract if C_WOMAN_MEDICALS.WEIGHT UNKNOWN_FLAG=1)
6.2.26 Nearest Quarter Pound of Participant’s Weight (16a(ii))

Data Position/Format - Record Position 151 (9)

Definition
The nearest quarter pound of participant's weight.

MI-WIC Processing
For Infant/Child:
C_INFANT_CHILD_MEDICALS.WEIGHT; conversion from ounces to nearest 1/4 pound (0-3). (Set to ‘ ’ on extract if C_INFANT_CHILD_MEDICALS.WEIGHT_UNKNOWN_FLAG=1)

For Women:
C_WOMAN_MEDICALS.WEIGHT; conversion from ounces to nearest 1/4 pound (0-3). (Set to ‘ ’ on extract if C_WOMAN_MEDICALS.WEIGHT_UNKNOWN_FLAG=1)

6.2.27 Participant’s Weight in Grams (16b)

Data Position/Format - Record Position 152-157 (999999)

Definition
The participant's weight measured in grams.

MI-WIC Processing
Weight will be reported in pounds/quarter pounds, so this field will be blanks, constant value ‘ ’.

6.2.28 Participant’s Height in Inches (17a(i))

Data Position/Format - Record Position 158-159 (99)

Definition
The participant's height (length) in whole inches.

MI-WIC Processing
For Infant/Child:
C_INFANT_CHILD_MEDICALS.HEIGHT as whole inches. (Set to ‘ ’ on extract if C_INFANT_CHILD_MEDICALS.HEIGHT_UNKNOWN_FLAG=1)

For Women:
C_WOMAN_MEDICALS.HEIGHT as whole inches. (Set to ‘ ’ on extract if C_WOMAN_MEDICALS.HEIGHTUNKNOWN_FLAG=1)
6.2.29 Nearest Eighth of an In of Participant’s Height (17a(ii))

Data Position/Format - Record Position 160 (9)

Definition
The nearest eighth of an inch of participant's height (length).

MI-WIC Processing
For Infant/Child:
C_INFANT_CHILD_MEDICALS.HEIGHT as nearest eighth inch (0-7). (Set to ‘ ’ on extract if C_INFANT_CHILD_MEDICALS.HEIGHT_UNKNOWN_FLAG=1)

For Women:
C_WOMAN_MEDICALS.HEIGHT as nearest eighth inch (0-7). (Set to ‘ ’ on extract if C_WOMAN_MEDICALS.HEIGHT_UNKNOWN_FLAG=1)

6.2.30 Participant’s Height in Centimeters (17b)

Data Position/Format - Record Position 161-164 (9999)

Definition
The participant's height (length) measured to the nearest tenth of a centimeter (XXX.Y) with a single implied decimal place—for example, 30.5 should be coded as 0305.

MI-WIC Processing
Will be reported in inches/eighth inches so will be blanks, constant value ‘ ‘.

6.2.31 Date of Height/Weight Measure (18)

Data Position/Format - Record Position 165-172 (MMDDYYYY)

Definition
This field indicates the date that the height and weight of the participant are taken.

MI-WIC Processing
Data will be extracted for the latest certification < extract date (MEDICAL_DATA_DATE).

For Infant/Child:
C_INFANT_CHILD_MEDICALS.MEDICAL_DATA_DATE, formatted as mmddyyyy on extract. The height/weight with latest MEDICAL_DATA_DATE meeting that criteria will be used. If C_INFANT_CHILD_MEDICALS.WEIGHT_UNKNOWN=1 and C_INFANT_CHILD_MEDICALS.HEIGHT_UNKNOWN=1, then set to blanks ‘ ‘.

For Women:
C_WOMAN_MEDICALS.MEDICAL_DATA_DATE, formatted as mmddyyyy on extract. Data will be extracted where MEDICAL_DATA_DATE = Date of Visit, or DATE_CREATED is on Date of Visit to
ensure data was as of that date. The height/weight with latest MEDICAL_DATA_DATE meeting that criteria will be used. If C_WOMAN_MEDICALS.WEIGHT_UNKNOWN=1 and C_WOMAN_MEDICALS.HEIGHT_UNKNOWN=1, then set to blanks ‘ ‘.

6.2.32 *Currently Breastfed (19a)*

**Data Position/Format** - Record Position 173 (9)

**Definition**
For infants and children ages six through thirteen months as of extract (ie, April 2008), whether or not the participant is currently receiving breastmilk.

1 = Yes
2 = No

**MI-WIC Processing**
If the child is < 6 months or > 13 months as of extract then ‘ ‘ (blank). If child >= 6 months and <=13 months as of extract date (April 30th), then translate C_BF_SUMMARY.BREASTFEEDING_NOW from 0(No)/1(Yes) to 2(No)/1(Yes). Audit trail table E_AUDIT_C_BF_SUMMARY will be used, if applicable (date_modified > extract date), to provide the response as of the extract date (as it may change over time).

6.2.33 *Ever Breastfed (19b)*

**Data Position/Format** - Record Position 174 (9)

**Definition**
For infants and children not currently receiving breastmilk who are ages six through thirteen months in April 2008, whether or not the infant or child ever received breastmilk.

1 = Yes
2 = No

**MI-WIC Processing**
If the child is < 6 months or > 13 months as of extract then ‘ ‘ (blank). If child >= 6 months and <=13 months and “Currently Breastfed” is 1 (Yes), then set to ‘ ‘ (Not applicable). Otherwise, translate C_BF_SUMMARY.EVER_BREASTFED from 0(No)/1(Yes)/2(Unknown) to 2(No)/1(Yes)/‘ ‘(Unknown). Audit trail table E_AUDIT_C_BF_SUMMARY will be used, if applicable (date_modified > extract date), to provide the response as of the extract date (as it may change over time).

6.2.34 *Length of Time Breastfed (19c)*

**Data Position/Format** - Record Position 175-176 (99)

**Definition**
For infants and children not currently receiving breastmilk who are ages six through thirteen months as of extract date (ie, April 2008) who have ever received breastmilk, the number of weeks the infant or child received breastmilk. For example, if the infant or child was breastfed for 5 months, record: 22 weeks

The conversions listed below are consistent with conversions applied by the CDC Surveillance System.

**MI-WIC Processing**

If the child is < 6 months or > 13 months as of extract then ‘ ‘. Set to ‘ ‘ if C_BF_SUMMARY.BF_STOP_UNKNOWN = 1 or “Currently Breastfed”=1. Otherwise, use C_BF_SUMMARY.BF_STOP_MONTHS, BF_STOP_WEEKS, BF_STOP_DAYS to compute. As (compute weeks from BF_STOP_DAYS) + BF_STOP_WEEKS + (compute weeks from BF_STOP_MONTHS) to total number of weeks - if > 96 will be reported as 96. Audit trail table E_AUDIT_C_BF_SUMMARY will be used, if applicable (date_modified > extract date), to provide the response as of the extract date (as it may change over time).

To convert days to weeks:
- < 4 days = 00 weeks
- 4–10 days = 01 week
- 11–17 days = 02 weeks
- 18–24 days = 03 weeks
- 25–31 days = 04 weeks
- 32–38 days = 05 weeks
- 39–45 days = 06 weeks

To convert months to weeks:
- 1 month = 04 weeks
- 2 months = 09 weeks
- 3 months = 13 weeks
- 4 months = 17 weeks
- 5 months = 22 weeks
- 6 months = 26 weeks
- 7 months = 30 weeks
- 8 months = 35 weeks
- 9 months = 39 weeks
- 10 months = 43 weeks
- 11 months = 48 weeks
- 12 months = 52 weeks
- 13 months = 56 weeks
- 14 months = 61 weeks
- 15 months = 65 weeks
- 16 months = 69 weeks
- 17 months = 74 weeks
- 18 months = 78 weeks
- 19 months = 82 weeks
- 20 months = 87 weeks
- 21 months = 91 weeks
- 22 months+ = 96 weeks+
6.2.35 Date Breastfeeding Data Collected (19d)

Data Position/Format - Record Position 177-184 (MMDDYYYY)

Definition
For infants or children who are ages six through thirteen months as of extract date (ie, April 2008), the date (month, day, and year) on which breastfeeding status was reported by the mother. Date must be reported in MMDDYYYY format.

MI-WIC Processing
If the child is < 6 months or > 13 months as of extract then ‘ ‘ ‘ (blanks). If "Currently Breastfed" = ‘ ‘, then ‘ ‘ ‘ (blanks). Otherwise, Date of Visit formatted as mmddyyyy on extract. Audit trail table E_AUDIT_C_BF_SUMMARY will be used, if applicable (date_modified > extract date), to provide the response as of the extract date (as it may change over time).

6.2.36 Food Code (20a-n)

Data Position/Format –

a. Item Code #1: 185-191 a. Quantity #1: 192-194
b. Item Code #2: 195-201 b. Quantity #2: 202-204
c. Item Code #3: 205-211 c. Quantity #3: 212-214
d. Item Code #4: 215-221 d. Quantity #4: 222-224
e. Item Code #5: 225-231 e. Quantity #5: 232-234
f. Item Code #6: 235-241 f. Quantity #6: 242-244
g. Item Code #7: 245-251 g. Quantity #7: 252-254
h. Item Code #8: 255-261 h. Quantity #8: 262-264
i. Item Code #9: 265-271 i. Quantity #9: 272-274
k. Item Code #11: 285-291 k. Quantity #11: 292-294
l. Item Code #12: 295-301 l. Quantity #12: 302-304
m. Item Code #13: 305-311 m. Quantity #13: 312-314

Field length 10 for each item/quantity combination; 140 total.

Definition
The item codes and quantities for all food items prescribed for the participant as of the extract date (ie, April 30, 2008)

MI-WIC Processing
Select all food packages (see description below for selection of standard and custom food package data) in effect as of extract date, formatting each food with:

Food identifier left-padded with 0’s to 6 digits

Quantity is left padded with 0’s to 3 digits. The quantity is truncated before padding if there is a fractional quantity (ie 1.5 will appear as 001).
If more than 14 food items are assigned, the first 14 are reported. If fewer than 14 food items are assigned, the remaining fields are blank.

Select data for standard food packages from C_FOOD_PACKAGE_PRESCRIPTIONS
Where C_FOOD_PACKAGE_PRESCRIPTIONS.DISABLE_FLAG = 0
And C_FOOD_PACKAGE_PRESCRIPTIONS.EFFECTIVE_DATE <= extract_date
And C_FOOD_PACKAGE_PRESCRIPTIONS.END_DATE >= extract_date
join to I_FOOD_PACKAGE_FOODS.IFP_FOOD_PACKAGE_ID
- Item is formatted as noted above by using the identified for the package foods I_FOOD_PACKAGE_FOODS.IF_FOOD_ID
- Quantity is formatted as noted above using I_FOOD_PACKAGE_FOODS.QUANTITY

Select data for custom foods from C_PACKAGE_PRESCRIPTION_FOODS
Where CC_CLIENT_ID, IFP_FOOD_PACKAGE_ID and EFFECTIVE_DATE
Match those on C_FOOD_PACKAGE_PRESCRIPTIONS as above
- Item is formatted as noted above by selecting cat (I_FOODS.VLUC_CAT_CODE) and subcat (I_FOODS.VLUS_SUB_CAT_CODE) for the package foods (I_FOODS.FOOD_ID = C_PACKAGE_PRESCRIPTION_FOODS.IF_FOOD_ID)
- Quantity is formatted as noted above using C_PACKAGE_PRESCRIPTION_FOODS.QUANTITY

### 6.2.37 Food Package Type

**Data Position/Format:** Record Position 325-326 (xx)

**Definition**
The participant’s interim rule food package descriptor. This descriptor uniquely represents the participant’s FNS food package number (I through VII), participant type, breastfeeding status, and (for infants and children only) age. To be reported as a number from 1 to 27 as defined in the table below:

<table>
<thead>
<tr>
<th>Food Package Type</th>
<th>Participant Type</th>
<th>Food Package Number</th>
<th>Interim Rule Food Package Descriptor</th>
<th>Age</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Infant</td>
<td>Food Package I</td>
<td>I-FF-A</td>
<td>0-3.9 months</td>
<td>fully formula fed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>I-FF-B</td>
<td>4-5.9 months</td>
<td>fully formula fed</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>I-BF/FF-A</td>
<td>0-0.9 months</td>
<td>partially breastfed</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>I-BF/FF-B</td>
<td>1-3.9 months</td>
<td>partially breastfed</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>I-BF/FF-C</td>
<td>4-5.9 months</td>
<td>partially breastfed</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td>I-BF-A</td>
<td>0-3.9 months</td>
<td>fully breastfed</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>I-BF-B</td>
<td>4-5.9 months</td>
<td>fully breastfed</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Food Package II</td>
<td>II-FF</td>
<td>6-11.9 months</td>
<td>fully formula fed</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>II-BF/FF</td>
<td>6-11.9 months</td>
<td>partially breastfed</td>
</tr>
</tbody>
</table>
### MI-WIC Interface Control Document - PC

**September 13, 2012**

<table>
<thead>
<tr>
<th>No.</th>
<th>Package Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Medical Food Package III</td>
<td>II BF 6-11.9 months fully breastfed</td>
</tr>
<tr>
<td>11</td>
<td>Medical Food Package III</td>
<td>III I-FF-A 0-3.9 months fully formula fed</td>
</tr>
<tr>
<td>12</td>
<td>Medical Food Package III</td>
<td>III I-FF-B 4-5.9 months fully formula fed</td>
</tr>
<tr>
<td>13</td>
<td>Medical Food Package III</td>
<td>III I-BF/FF-A 0-0.9 months partially breastfed</td>
</tr>
<tr>
<td>14</td>
<td>Medical Food Package III</td>
<td>III I-BF/FF-B 1-3.9 months partially breastfed</td>
</tr>
<tr>
<td>15</td>
<td>Medical Food Package III</td>
<td>III I-BF/FF-C 4-5.9 months partially breastfed</td>
</tr>
<tr>
<td>16</td>
<td>Medical Food Package III</td>
<td>III II-FF 6-11.9 months fully formula fed</td>
</tr>
<tr>
<td>17</td>
<td>Medical Food Package III</td>
<td>III II-BF/FF 6-11.9 months partially breastfed</td>
</tr>
<tr>
<td>18</td>
<td>Medical Food Package III</td>
<td>III IV-A 1-1.9 years children</td>
</tr>
<tr>
<td>19</td>
<td>Medical Food Package III</td>
<td>III IV-B 2-4.9 years children</td>
</tr>
<tr>
<td>20</td>
<td>Medical Food Package III</td>
<td>III V women pregnant and partially breastfeeding (up to 1 year postpartum)</td>
</tr>
<tr>
<td>21</td>
<td>Medical Food Package III</td>
<td>III VI women non-breastfeeding postpartum and partially (minimally) breastfeeding (up to 6 months postpartum)</td>
</tr>
<tr>
<td>22</td>
<td>Medical Food Package III</td>
<td>III VII women fully breastfeeding (up to 1 year postpartum)</td>
</tr>
<tr>
<td>23</td>
<td>Children Food Package IV</td>
<td>IV-A 1-1.9 years children</td>
</tr>
<tr>
<td>24</td>
<td>Children Food Package IV</td>
<td>IV-B 2-4.9 years children</td>
</tr>
<tr>
<td>25</td>
<td>Women Food Package V</td>
<td>V women pregnant and partially (mostly) breastfeeding (up to 1 year postpartum)</td>
</tr>
<tr>
<td>26</td>
<td>Women Food Package VI</td>
<td>VI women non-breastfeeding postpartum and partially (minimally) breastfeeding (up to 6 months postpartum)</td>
</tr>
<tr>
<td>27</td>
<td>Women Food Package VII</td>
<td>VII women fully breastfeeding; partially (mostly) breastfeeding multiples; pregnant with multiples</td>
</tr>
<tr>
<td>28</td>
<td>No Food Package</td>
<td>N/A women partially (minimally) breastfeeding (over 6 months postpartum)</td>
</tr>
</tbody>
</table>

**MI-WIC Processing**

Select food package type Based on the participant category and check Participant Age in months then check the count of food prescriptions and check formula class Id then Display food package Type code.

```sql
IF C_CLIENTS.CAT_CATEGORY_CODE = "IFF" Then
    L_AGE_IN_MONTHS = CALCULATE_MONTHS (REPORT_RUN_DATE, C_CLIENTS.BIRTH_DATE)
    C_CLIENTS.CAT_CATEGORY_CODE = 'IFF' and
    (L_AGE_IN_MONTHS >= 0 and L_AGE_IN_MONTHS < 4) and
    COUNT(VW_CLIENT_FOOD_PRESCRIPTION) > 0 and
    I_FORMULARY_DETAILS.FORMULA_CLASS_ID in (1, 2) THEN
        L_FOOD_PACKAGE_TYPE='1'
END IF
```

Note: This field must not contain blanks.
6.2.38 Date of First WIC Certification
Data Position/Format - Record Position 327-334 (mmddyyyy)

Definition
The month, day, and year of participant's first certification for WIC reported in an MMDDYYYY format. For pregnant women, this item applies to the current pregnancy and not to prior pregnancies. For breastfeeding and postpartum women, this item applies to the most recent pregnancy. For infants and children, this item refers to the first WIC certification ever recorded.

MI-WIC Processing
For Infant/Child:
Select the minimum C_CERTIFICATIONS.CERT_START_DATE formatted as mmddyyyy

For pregnant women:
If C_CERTIFICATIONS.CAT_CATEGORY_CODE='PG', CERT_START_DATE formatted as mmddyyyy

For postpartum women:
If no pregnancy cert, then CERT_START_DATE formatted as mmddyyyy; otherwise select the pregnancy C_CERTIFICATIONS.CERT_START_DATE formatted as mmddyyyy.

6.2.39 Education Level (22)
Data Position/Format - Record Position 335-336 (99)

Definition
For women, the highest grade of school (0-12) or year of college (13, 14, 15, 16...) completed by participant. For infants and children, the highest grade of school or year of college completed by the mother or primary caretaker.

MI-WIC Processing
For Infant/Child:
Set as ‘ ’ (blanks).

For Women:
C_CLIENT.CEL_EDUCATION_CODE, If ‘99’, then set to ‘ ‘.

6.2.40 Number in Household in WIC (23)
Data Position/Format - Record Position 337-338 (99)

Definition
The number of people in the participant's household (economic unit used for WIC certification) enrolled in WIC in April. For example, all those individuals who have the same family identifier.

**MI-WIC Processing**
Function to count the number of clients where CFEU_FAMILY_ID is the same as this client with an active certification.

### 6.2.41 Date Previous Pregnancy Ended (24)

**Data Position/Format** - Record Position 339-346 (mmddyyyy)

**Definition**
For pregnant women, the month, day, and year when previous pregnancy ended, reported in an MMDDYYYY format.

**MI-WIC Processing**
If not pregnant woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE<>'PG'), then ‘ ‘ (blanks). The data provided in C_ANSWERS for "On what date did your previous pregnancy end?" (9040001). Audit trail table E_AUDIT_C_MED_ANSWERS will be used, if applicable (date_created/modified > extract date), to provide the response at the extract date (as it may change over time).

### 6.2.42 Total Number of Pregnancies (25)

**Data Position/Format** - Record Position 347-348 (99)

**Definition**
For pregnant women, the total number of times the pregnant woman participant has been pregnant, including this pregnancy and any pregnancies resulting in birth, miscarriage, abortion or stillbirth.

**MI-WIC Processing**
If not pregnant woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE<>'PG'), then ‘ ‘ (blanks). The data provided in C_ANSWERS for “Number of pregnancies” (9020001). Audit trail table E_AUDIT_C_MED_ANSWERS will be used, if applicable (date_created/modified > extract date), to provide the response at the extract date (as it may change over time).

### 6.2.43 Total Number of Live Births (26)

**Data Position/Format** - Record Position 349-350 (99)

**Definition**
For pregnant women, the total number of babies born alive to this woman, including those infants who may have died shortly after birth.

**MI-WIC Processing**
If not pregnant woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE<>'PG'), then ‘ ‘ (blanks).
The data provided in C_ANSWERS for "Number of live babies" (9050001). Audit trail table
E_Audit_C_MED_ANSWERS will be used, if applicable (date_created/modified > extract date), to
provide the response at the extract date (as it may change over time).

6.2.44 *Pre-pregnancy Weight in Pounds (27a(i))*

**Data Position/Format** - Record Position 351-353 (999)

**Definition**
For pregnant women, the participant's weight immediately prior to
pregnancy in whole pounds.

**MI-WIC Processing**
If not pregnant woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE<>'PG'), THEN SETS TO ‘ ‘
(blanks). Otherwise C_MEDICAL_ADDL_INFO.PRE_PREG_WEIGHT. Set to ‘ ‘ (blanks) on extract if
C_MEDICAL_ADDL_INFO.PRE_PREG_WEIGHT_UNKNOWN_FLAG=1 or NULL/missing.

6.2.45 *Nearest Quarter Pound of Pre-pregnancy Weight (27a(ii))*

**Data Position/Format** - Record Position 354 (9)

**Definition**
For pregnant women, the nearest quarter pound of participant's
prepregnancy weight.

**MI-WIC Processing**
Since pre-pregnancy weight is only collected in pounds, will always be ‘ ‘ (blank).

6.2.46 *of Pre-pregnancy Weight in Grams (27b)*

**Data Position/Format** - Record Position 355-360 (999999)

**Definition**
For pregnant women, the participant's weight immediately prior to
pregnancy measured in grams.

**MI-WIC Processing**
Since pre-pregnancy weight is only collected in pounds, will always be ‘ ‘ (blanks).

6.2.47 *Weight Gain During Pregnancy in Pounds (28a(i))*

**Data Position/Format** - Record Position 361-363 (999)

**Definition**
For breastfeeding and postpartum women, the participant's weight gain in
pounds, during pregnancy, as taken at or immediately prior to delivery.

**MI-WIC Processing**

If not postpartum woman (C_CERTIFICATIONS.CAT_CATEGORY_CODE \(!= 'BE'/BP'/NPP'), then ‘ ’ (blanks). Otherwise, C_MEDICAL_ADDL_INFO.WEIGHT_GAIN left-padded with 0 to 3 digits (or if value is less than 0, negative sign and left-padded with 0 to 2 digits). Set to ‘ ’ (blanks) if C_MEDICAL_ADDL_INFO.WEIGHT_GAIN_UNKNOWN = 1 or NULL/missing.

### 6.2.48 Nearest Quarter Pound of Participant’s Weight Gain During Pregnancy (28a(ii))

**Data Position/Format** - Record Position 364 (9)

**Definition**

For breastfeeding and postpartum women, the nearest quarter pound of participant's weight gain during pregnancy.

**MI-WIC Processing**

Since weight gain is only captured in whole pounds will always be ‘ ’ (blank).

### 6.2.49 Participant’s Weight Gain During Pregnancy in Grams (28b)

**Data Position/Format** - Record Position 365-370 (99999)

**Definition**

For breastfeeding and postpartum women, the participant's weight gain, in grams during pregnancy, as taken at or immediately prior to delivery.

**MI-WIC Processing**

Since weight gain is only captured in whole pounds will always be ‘ ’ (blanks).

### 6.2.50 Baby's Birth Weight in Pounds (29a(i))

**Data Position/Format** - Record Position 371-372 (99)

**Definition**

Infant's or child's birth weight in whole pounds.

**MI-WIC Processing**

If not infant or child (C_CERTIFICATIONS.CAT_CATEGORY_CODE \(!= 'I%'/C%'), then ‘ ’ (blanks). Otherwise, C_MEDICAL_ADDL_INFO.BIRTH_WEIGHT/16 as pounds. If C_MEDICAL_ADDL_INFO.BIRTH_WEIGHT_UNKNOWN=1 or missing then ‘ ’ (blanks).
6.2.51 Ounces of Birth Weight (29a(ii))

Data Position/Format - Record Position 373-374 (99)

Definition
For infants and children, the nearest number of ounces of participant’s weight at birth.

MI-WIC Processing
If not infant or child (C_CERTIFICATIONS.CAT_CATEGORY_CODE NOT LIKE ‘I%’ OR C%), then ‘ ’ (blanks). Otherwise, C_MEDICAL_ADDL_INFO.BIRTH_WEIGHT/16 remainder as ounces. If C_MEDICAL_ADDL_INFO.BIRTH_WEIGHT_UNKNOWN=1 or missing then ‘ ’ (blanks).

6.2.52 Baby’s Birth Weight in Grams (29b)

Data Position/Format - Record Position 375-378 (9999)

Definition
Infant's or child's birth weight in grams.

MI-WIC Processing
Since birth weight is recorded in pounds/ounces, will always be ‘ ’ (blanks).

6.2.53 Baby’s Length at Birth in Inches (30a(i))

Data Position/Format - Record Position 379-380 (99)

Definition
Infant's or child's length at birth in whole inches.

MI-WIC Processing
Since baby’s birth length is not captured, will always be ‘ ’ (blanks).

6.2.54 Nearest Eighth of an Inch of Baby’s Length at Birth (30a(ii))

Data Position/Format - Record Position 381 (9)

Definition
For infants and children, the nearest eighth of an inch of participant's length at birth.

MI-WIC Processing
Since baby’s birth length is not captured, will always be ‘ ’ (blank).
6.2.55 Baby’s Length at Birth in Centimeters (30b)

Data Position/Format - Record Position 382-384 (999)

Definition
Infant's or child's length at birth to the nearest tenth of a centimeter (XX.Y), with a single implied decimal place. For example, 30.5 should be coded as 305.

MI-WIC Processing
Since baby’s birth length is not captured, will always be ‘ ’ (blank).

6.2.56 Participation in the Food Distribution on Indian Reservation Program (31)

Data Position/Format - Record Position 385 (9)

Definition
Does the participant receive Food Distribution on Indian Reservation benefits?
1 = Yes
2 = No

MI-WIC Processing
Will always be ‘ ’ (blank).

7. Testing Process and Procedures

Sample set verification will be performed by identifying specific records to meet the following criteria with those records reviewed in detail:

<table>
<thead>
<tr>
<th>Category / Age conditions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infant &lt; 6 months old on extract date</td>
</tr>
<tr>
<td>Child between 6 and 13 months on extract date</td>
</tr>
<tr>
<td>Child &gt; 13 months</td>
</tr>
<tr>
<td>Pregnant Woman</td>
</tr>
<tr>
<td>Postpartum Woman (without pregnancy certification)</td>
</tr>
<tr>
<td>Postpartum Woman (with pregnancy certification)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data changes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category change for age between after extract date</td>
</tr>
<tr>
<td>Change in family size after extract date</td>
</tr>
<tr>
<td>Change in number of WIC participants in family after extract date</td>
</tr>
<tr>
<td>Change in breastfeeding response after extract date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medical Data conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloodwork – hemoglobin</td>
</tr>
<tr>
<td>Bloodwork – hematocrit</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>Bloodwork @ certification date</td>
</tr>
<tr>
<td>Bloodwork after certification date, before extract date</td>
</tr>
<tr>
<td>Bloodwork after extract date</td>
</tr>
<tr>
<td>Bloodwork retest</td>
</tr>
<tr>
<td>Height/Weight @ certification date</td>
</tr>
<tr>
<td>Height/Weight after certification date, before extract date</td>
</tr>
<tr>
<td>Height/Weight after extract date</td>
</tr>
<tr>
<td>Negative pre-pregnancy weight</td>
</tr>
</tbody>
</table>

**Breastfeeding conditions:**
- Currently Breastfed
- Not Currently Breastfed / Ever Breastfed
- Duration entered in days
- Duration entered in weeks
- Duration entered in months
- Duration entered in combination of days and weeks

**Risk/Food conditions:**
- Priority change after extract date
- Priority (transfer)
- No food in effect on extract date
- Standard food package in effect on extract date
- Custom food package in effect on extract date

**Unknown conditions for PNSS/PedNSS – blanks for PC:**
- Birthweight
- Height/Weight
- Bloodwork
- Ever Breastfed
- BF Duration

**Missing data conditions:**
- Birthweight
- Height/Weight
- Bloodwork
- Currently Breastfed
- Ever Breastfed
- BF Duration

**Conversion conditions**
- Converted certification
- Data Quality termination

---

### 8. Hardware Requirements

No specific hardware is required for USDA submission of data. It is assumed that MDCH WIC Division users will have internet access.
9. PC Extract Query where clause

Previous Where Clause:

IF '31-Mar-<EXTRACT YEAR> IS BETWEEN CERT_START_DATE AND
   IF TERMINATION_DATE IS NULL
       USE
       CERT_END_DATE
   ELSE
       USE
       TERMINATION_DATE AND
       CERT_COMPLETE_FLAG = 1

Updated Where Clause:

IF CERT_START_DATE <= '31-Mar-<Extract Year> AND
   IF TERMINATION_DATE IS NULL THEN
       USE
       CERT_ENDT_DATE
   ELSE
       USE
       TERMINATION_DATE >= '01-Mar-<Extract Year> AND
       CERT_COMPLETE_FLAG = 1