Maternal Data Center (MDC)
Supplemental Data Submissions: Instructions and Specifications
Oregon and Washington Hospitals
January 1, 2017

In addition to the required files, hospitals also have the *option* to submit additional data. These *optional* data elements can be included as part of the *Core Required Files* (see WSHA-MDC or OMDC Core Data Specifications) or submitted via separate Supplemental Files (described here).

Optional fields (see lists below) are derived from internal systems (e.g. EMR, core measure vendor system) and--*for cases already represented in the MDC via the Discharge* file—can be used to:

- Replace erroneous data already in the MDC system from your required file submissions
- Add data for records that are missing values (e.g. for Gestational Age, Parity or Apgar Score). See Page 3 below.
- Pre-populate the "chart-review" data elements (e.g. Prior Uterine Surgery for the EED metric) in the MDC system.
- Submit the Delivering Provider ID that allows the generation of provider-level metrics.

If you have already submitted the "Required Discharge Data Files" you can submit supplemental files with any data fields of interest at any point in time. For example, you might submit one "supplemental maternal file" that includes values solely for "prior uterine surgery" and a second "maternal file" that includes missing data for "gestational age" in a different submission. If two supplemental files are submitted that contain the same field for the same case, the last value submitted will represent the "final" value.

Summary List of Optional Supplemental Data Elements

Maternal Supplemental File	
To Calculate the Measures Below:	***Include these Data Elements***
REQUIRED for all Supplemental Files	Patient Number (**REQUIRED**)
	Discharge Date (**REQUIRED**)
Required for *System* Supplemental Files	Facility ID
Early Elective Delivery (PC-01)	Labor
	Prior Uterine Surgery
	SROM *(Only for discharges prior to January 2015)*
	Sample Flag for Joint Commission PC-01*
Antenatal Steroids (PC-03)	Antenatal Steroids Initiated
	Reason for Not Initiating Antenatal Steroids
	Sample Flag for Joint Commission PC-03*
Hemorrhage Metrics	Blood Products Transfused : 2 unique fields for RBC Products vs. FFP Products
Maternal Transfusion Rate	Blood Products Transfused: 4 unique fields for RBC, FFP, Cryo and Platelets
DVT Prophylaxis	DVT Prophylaxis - C-Section
	Sample Flag for Leapfrog DVT Prophylaxis Measure
Preeclampsia ICU Measures	Number of Maternal ICU Days
Timely Treatment for Severe Hypertension	Severe HTN
	Timely Treatment for Severe HTN
Induction Rate	Induced
Failed Induction Rate	Induced
Labor Management Process Measures: *Only for WSHA MDC Hospitals as of 12/15/ 15*	20 Data Elements that support the WSHA Safe Deliveries *Labor Management Process Measures*, including "Epidural"
Other *Used to replace values already submitted via required discharge or clinical data files*	Gestational Age (-Weeks, -Days, -Combined)
	Number of Previous Live Births (formerly *Parity*)
	Maternal Diagnosis Codes
	Maternal Procedure Codes
Other *Used to generate additional metrics or provide additional refinement of current metrics*	Provider ID: Delivering Provider
	Patient Height (separate fields for Height-Feet and Height-Inches)
	Patient Pre-Pregnancy Weight
	Patient Weight at Delivery
	Transfer from Alternative Birth Setting

**Not strictly necessary to calculate the measure, but enables identification of TJC sample cases*

Newborn Supplemental File	
To Calculate the Measures Below:	***Include these Data Elements***
REQUIRED for all Supplemental Files	Newborn Patient Number (REQUIRED)
	Newborn Discharge Date (REQUIRED)
Required for *System* Supplemental Files	Facility ID
Exclusive Breast Milk Feeding	NICU Admission
	Exclusive Breast Milk Feeding
	Reason for Not Exclusively Breastfeeding[1]
	Term Newborn[2]
	Sample Flag for Joint Commission PC-05[3]
Newborn Bilirubin Screening	Bilirubin Screen: Yes/No
	Bilirubin Screen: Parental refusal to test
	NICU Admission
	Sample Flag for Leapfrog Bilirubin Measure[3]
Other *Used to replace values already submitted via required data files or for possible future measures.*	Birthweight
	Apgar Scores (5 Minute and 10 Minute)
	Newborn Diagnosis Codes
	Newborn Procedure Codes
	Newborn Discharge Disposition
	Bloodstream Infection Present on Admission

[1] *Not necessary for periods after October 1, 2015*

[2] *Not strictly necessary to calculate the measure, but aligns values with those used in hospital core measure vendor system*

[3] *Not strictly necessary to calculate the measure, but supports drawing of sample within the MDC*

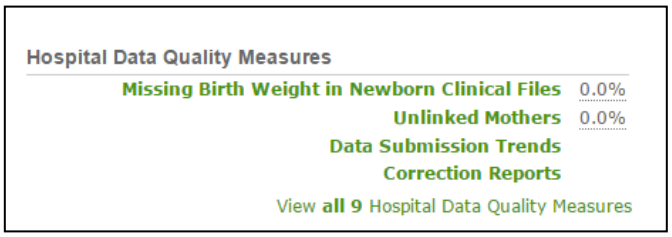
Instructions and File Format

- Please submit separate supplemental files for "Maternal" Data Elements versus "Newborn" Data Elements
- The possible data elements are listed: in summary form above, and with detailed definitions and allowable code values starting on Page 6.
- Format in CSV File Format with each case in a single row. This is essentially an Excel file saved as a ".csv" file.
- The Patient ID and Date of Discharge are REQUIRED in any supplemental data submission. Make sure to use the same Patient ID Number and the Date of Discharge that were submitted in the *Discharge Data* files (so the MDC can link the supplemental data to the existing discharge data).
- Column headers, as denoted in the detailed specifications below, MUST be used for all fields you are submitting.
- Patient ID and Discharge Date are the only required fields in the supplemental data files. Include as many or as few of the other fields as you choose. If you choose NOT to include one or more of the fields included in the table below, omit the column header for those fields.
- If a record value is missing, leave no space between the commas (,,)
- For each file type (maternal vs. newborn) you can aggregate all desired fields/data elements into a single file, or you may submit multiple files—with each file containing different fields. For example, you might submit one "maternal file" that includes data on Provider ID (but no other fields) and a second "maternal file" that includes data on gestational age. If two supplemental files are submitted that contain the same field for the same case, the last submitted will represent the "final" value.
- A case should be represented in any individual supplemental file only once (i.e. no single Patient ID should be represented on multiple rows within the same file)—even if you are submitting multiple *fields* for the same case. If that is not possible, you will need to submit separate supplemental files for each set of fields.
- Systems submitting a single supplemental file that represents *multiple facilities* must also:
  1) have an MDC account with assigned "System Data Upload" or "System Administrator" roles
  2) include a field in the supplemental file that indicates the Facility ID associated with each record.
- Contact safedeliveries@cmqcc.org or support@oregonmaternaldatacenter.org with any questions.

Using Supplemental Files to Replace Missing Data Elements (GA, Parity, 5-minute Apgar, Birthweight)

If you are submitting a supplemental file to fill in records with missing values for required fields (e.g. Gestational Age), you may find it easiest to download the cases that are missing data from the MDC, fill in the missing data, and then re-submit as a supplemental file. Below are specific steps:

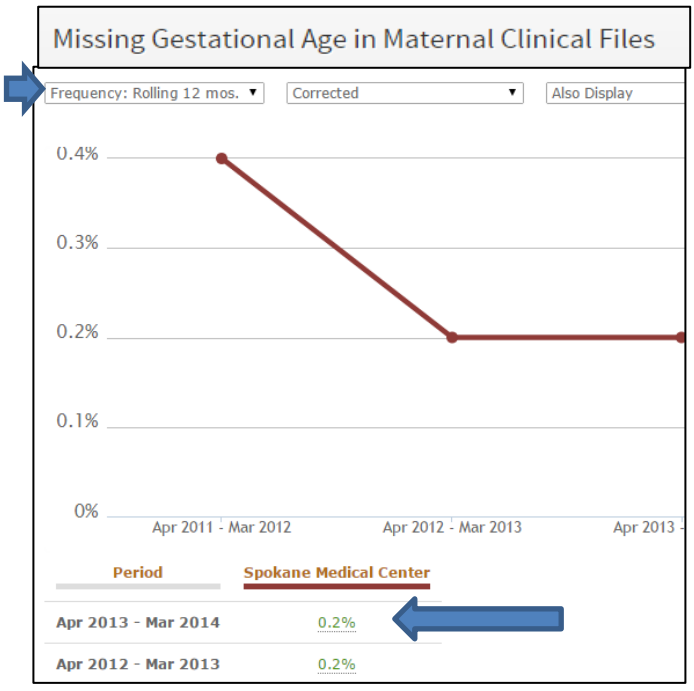
1. From the Home Page, click on ***Hospital Data Quality Measures***



2. Determine if you have missing data for any of the required fields:
   - Missing Birthweight in Newborn Clinical Files
   - Missing Gestational Age in Maternal Clinical Files
   - Missing Parity in Maternal Clinical Files
   - Missing Delivery Provider
   - Missing APGAR in Newborn Clinical Files

3. Click into each measure with "missing" data

4. From the "Frequency" drop-down menu near the top of the screen, choose the time period for which you wish to correct missing data.



5. Click on the rate (e.g. 0.2%) for that period you wish to correct

6. You will now be on the patient-level drill down screen. Click “Download CSV/Excel”.

7. The data will auto populate into an Excel spreadsheet (you may need to click open the Excel download from a box in the bottom left corner of your screen).

	A	B	C
1	Case Number	Discharge Date	Gestational Age Weeks
2	afd0ea5100	2/23/2014	
3			

8. Fill in the missing values for each record. As necessary, change out the column headers for each column so that they match the MDC-designated column headers (per data specs starting on page 5 below).

5	medical_record_number	Discharge_Date	Gestational Age_Weeks
6	afd0ea5100	2/23/2014	39

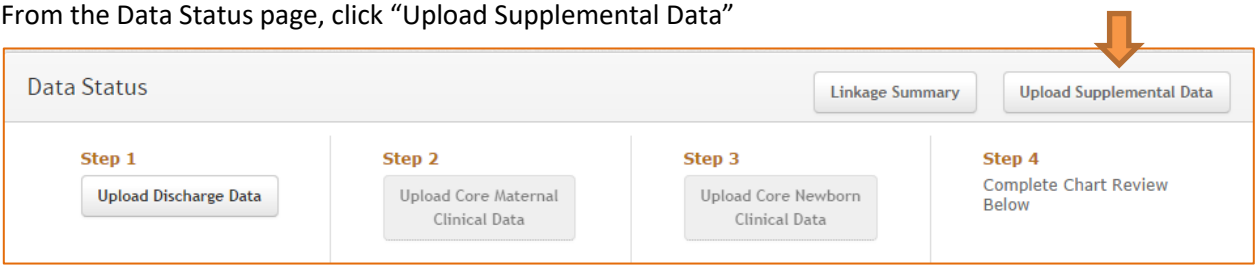
9. Save your file as a “____.csv”.

Steps for Submitting Supplemental Files

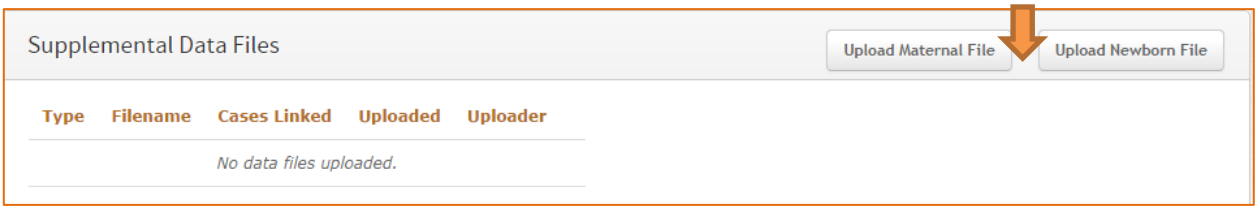
Once you have created your supplemental file, follow the steps below to upload. The file must:

- Use CSV file format.
- Use the MDC-designated column headers for the data elements you are submitting (per detailed specs below),
- Include the same Patient ID Number and the Date of Discharge submitted as part of the required files (so the MDC can link the supplemental data to the existing data).

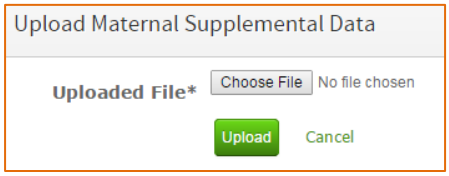
1. From the Data Status page, click "Upload Supplemental Data"



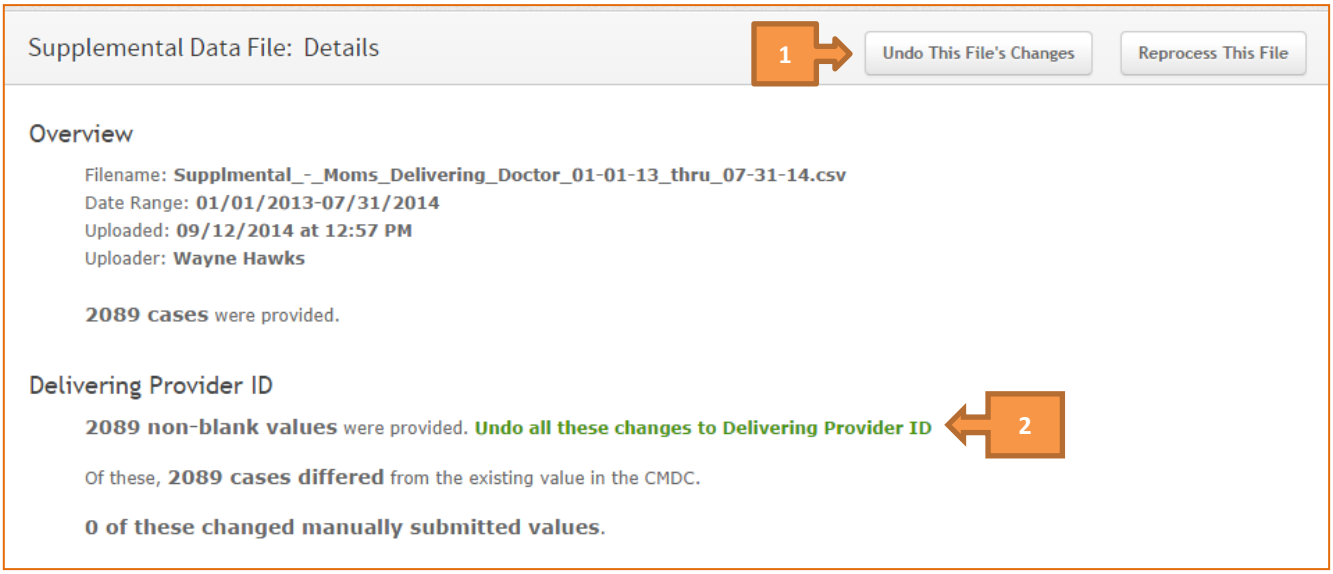
2. Click either "Upload Maternal File" or "Upload Newborn File" depending on which file type you're submitting.



3. Click "Choose File" to browse your computer and select the supplemental file you created. Click Upload.



4. Once the file uploads, you will see the file name and can click on "See details" to see which values changed. If needed, you will have the ability to:
   1. Undo changes to the entire file, or
   2. Undo changes to specific fields--in the event the file erroneously overwrites previously-submitted values.



Changes since October 2016 Version

Maternal and Newborn Supplemental Files

Data element definitions used for The Joint Commission *Perinatal Care* measure set have been updated in alignment with the 2016B TJC Manual (effective with January 1, 2017 discharges). The following data elements were modified:

- Parity (used in PC-02)
- Prior Uterine Surgery (used for PC-01)
- Term Newborn (used for PC-05)

Maternal Supplemental File

There is a new *Optional* supplemental data element: *Labor Care Provider* that can be submitted starting March 1, 2017. Hospitals may submit this field if they would like to calculate provider-level metrics for their *Labor Care Providers* (e.g. nurse-midwives) in addition to the provider-level metrics calculated based on the *Delivering Provider*.

Changes since December 2015 Version

General Instructions

- The list of data elements required to calculate the MDC optional measures is now listed on Pages 1- 2 ***Summary List of Optional Supplemental Data Elements.***
- If your hospital is part of a system, you may now upload supplemental data for multiple facilities in a single file. You will need: 1) a "system data upload account" and 2) to include a field in the supplemental file that indicates the facility ID associated with each record.

Maternal Supplemental Files

Data element definitions used for The Joint Commission *Perinatal Care* measure set have been updated in alignment with the 2016A TJC Manual. The following data elements were modified:

- Parity (used in PC-02)
- Labor (used in PC-01)

There are new *OPTIONAL* Supplemental Data Elements:

- *Labor Management and Epidural Data Fields* can now be submitted by WSHA-MDC hospitals.
- There are two new data elements for *Transfusions* for *Cryo* and *Platelets*, to support WSHA-MDC hospitals that wish to submit supplemental data for the Maternity Transfusion Rat measure.
- There is a new data element *Patient Weight at Delivery* that can be used in a forthcoming *Age-BMI Risk-Adjusted version of the NTSV Cesarean Section rate.*

Newborn Supplemental File

Data element definitions used for The Joint Commission Perinatal Care measure set have been updated in alignment with the 2016A TJC Manual. The following data elements were modified:

- Exclusive Breastmilk Feeding (used for PC-05)
- NICU Admission (used for PC-05 and Leapfrog Bilirubin Screening Measure)
- There is a new *OPTIONAL* Supplemental Data Element: *Term Newborn*. This is a new data element required for the Joint Commission PC-05 measure "Exclusive Breastmilk Feeding" as of October 2015.
- The definition for *NICU Admission* has changed slightly to accommodate both Joint Commission and Leapfrog Group measures that require this data element. Specifically, the CMQCC definition no longer requires that the NICU Admission occur "at this hospital". If there is documentation that the newborn was transferred directly from the birth hospital to a NICU at another hospital, you may still respond "yes" to "NICU Admission"

Changes since July 2015 Version

Maternal Supplemental File

There is a new *Optional* supplemental data element: *Induced Y/N*. Hospitals may wish to submit this from a clinical data system given ICD-10 codes do not have a code that clearly identifies an induction procedure.

Changes since June 2015 Version

Maternal Supplemental File

There is a new *OPTIONAL* Supplemental Data Element: *Transfer from Alternative Birth Setting*. This data element allows the hospital to indicate, for any patient, whether labor management was initiated outside of the hospital, and if so, the alternative birth setting from which the mother was transferred.

Newborn Supplemental File

There is a new *OPTIONAL* Supplemental Data Element: *Disposition of Newborn*. This is the same data element submitted as part of the Discharge Data File. Including it as an optional field in the Supplemental Newborn File enables the hospital to make corrections to the original value in the Discharge Data File. This may be important for the *Unexpected Newborn Complications* measure.

Changes since February 2015 Version

Two new optional fields have been added for the maternal supplemental file:

- *New Onset Severe Hypertension*
- *Timely Treatment for Hypertension*

Changes since November 12, 2014 Version

Data element definitions used for The Joint Commission Perinatal Care measure set have been updated in alignment with the 2015A TJC Manual. The following data elements were modified:

- Admission to NICU
- Antenatal Steroids Initiated
- Birthweight
- Blood Stream Infection Present on Admission
- Exclusive Breast Milk Feeding
- Gestational Age
- Labor
- Parity
- Prior Uterine Surgery
- Reason for Not Exclusively Breast Milk Feeding
- Reason for Not Initiating Antenatal Steroids

Maternal Supplemental File Data Elements

Please use the designated column headers. If you are not including some of the optional fields, simply omit the column header/column for those fields.

Data Element	Definition	Column Header	Description
Maternal Medical Record Number or Account Number	Unique code identifying a particular patient record within reporting facility	medical_record_number OR account_number	Medical record number or any patient identification number assigned by the facility. Use a number that matches the record number for the mother provided in the patient discharge data file submission to MDC. The number will be encrypted upon receipt by the MDC server, but will be re-constituted to true value by authorized hospital staff (with MDC passwords tied to the hospital's private key).
Discharge Date	The date patient discharged from the hospital.	discharge_date	MMDDYYYY or or CCYYMMDD
Facility ID Number	Unique 6-digit identifier assigned to each facility by OSHPD. First two digits indicate county in which facility located.	facility_id	Allowable values: 000000-999999 Special Instructions: This field is required for each record when submitting data for multiple hospitals in a single system file.
Number of Previous Live Births (formerly known as *Parity*)	The number of live deliveries the patient experienced prior to current hospitalization.	parity	**Allowable Values**: 0-50 or UTD=Unable to Determine **Notes for Abstraction:** Parity may be used in the absence of documentation of the number of previous live births. If the number for parity documented in the EHR is "one" and includes the delivery for the current hospitalization, abstract zero for previous live births. The delivery or operating room record should be reviewed first for the number of previous live births. If the number of previous live births is not recorded in the delivery or operating room record, then continue to review the data sources in the following order: history and physical, prenatal forms, clinician admission progress note and discharge summary until a positive finding for the number of previous live births is found. In cases where there is conflicting data, the number of previous live births found in the first document according to the order listed in the Only Acceptable Sources should be used. If gravidity is documented as one, the number of previous live births should be considered zero. The previous delivery of live twins or any live multiple gestation is considered one live birth event. Documentation in the acceptable data sources may be written by the following clinicians: physician, certified nurse midwife (CNM), advanced practice nurse/physician assistant (APN/PA) or registered nurse (RN). It is acceptable to use data derived from vital records reports received from state or local departments of public health, delivery logs or clinical information systems if they are available and are directly derived from the medical record with a process in place to confirm their accuracy. If this is the case, these may be used in lieu of the Only Acceptable Sources listed below. If primagravida or nulliparous is documented select zero for the number of previous live births. GTPAL documentation may be used in the absence of documentation of the number of previous live births. When GTPAL terminology is documented G= Gravida, T= Term, P= Preterm, A= Abortions and L= Living, all previous term and preterm deliveries prior to this hospitalization should be added together to determine the number of previous live births. If the number of previous live births entered by the clinician in the first document listed is obviously incorrect (in error) but it is a valid number or two different numbers are listed in the first document and the correct number can be supported with documentation in the other acceptable data sources in the medical record, the correct number may be entered.

Data Element	Definition	Column Header	Description
			Suggested Data Sources: ONLY ACCEPTABLE SOURCES IN ORDER OF PREFERENCE: • Delivery record, note or summary • Operating room record, note or summary • History and physical • Prenatal forms • Admission clinician progress notes • Discharge summary **Guidelines for Abstraction:** Inclusion The following descriptor must precede the number when determining parity: Parity P Examples: parity=2 or g3p2a1 Exclusion A string of three or more numbers without the alpha designation of "p" preceding the second number can not be used to determine parity. Example: 321 When GTPAL terminology is documented, G= Gravida, T= Term, P= Preterm, A= Abortions, L= Living, P does not equal parity.
Gestational Age-Weeks	The weeks of gestation completed at the time of delivery. Gestational age is defined as the best obstetrical estimate (OE) of the newborn's gestation in completed weeks based on the birth attendant's final estimate of gestation , irrespective of whether the gestation results in a live birth or a fetal death. This estimate of gestation should be determined by all perinatal factors and assessments such as ultrasound, but not the newborn exam. Ultrasound taken early in pregnancy is preferred (source: American College of Obstetricians and Gynecologists reVITALize Initiative).	gestational_age_weeks	**Allowable values:** 1-50 or UTD=Unable to Determine **Notes for Abstraction:** Gestational age should be rounded off to the nearest completed week, not the following week. For example, an infant born on the 5th day of the 36th week (35 weeks and 5/7 days) is at a gestational age of 35 weeks, not 36 weeks. The delivery or operating room record should be reviewed first for gestational age. If gestational age is not recorded in the delivery or operating room record, then continue to review the data sources in the following order: history and physical, prenatal forms,clinician admission progress note and discharge summary until a positive finding for gestational age is found. In cases where there is conflicting data, the gestational age found in the first document according to the order listed above should be used. The phrase "estimated gestational age" is an acceptable descriptor for gestational age. If the patient has not received prenatal care and no gestational age was documented, select allowable value UTD. When the admission date is different from the delivery date, use documentation of the gestational age completed closest to the delivery date. Gestational age should be documented by the clinician as a numeric value between 1-50. Gestational age (written with both weeks and days, eg. 39 weeks and 0 days) is calculated using the best obstetrical Estimated Due Date (EDD) based on the following formula: Gestational Age = (280 - (EDD - Reference Date)) / 7 (source: American College of Obstetricians and Gynecologists reVITALize Initiative). The clinician, not the abstractor, should perform the calculation to determine gestational age. If the gestational age entered by the clinician in the first document listed above is obviously incorrect (in error) but it is a valid number or two different numbers are listed in the first document and the correct number can be supported with documentation in the other acceptable data sources in the medical record, the correct number may be entered. Documentation in the acceptable data sources may be written by the following clinicians: physician, certified nurse midwife (CNM), advanced practice nurse/physician assistant (APN/PA) or registered nurse (RN). It is acceptable to use data derived from vital records reports received from state or local departments of public health, delivery logs or clinical information systems if they are available and are directly derived from the medical record with a process in place to confirm their accuracy. If this is the case, these may be used in lieu of the acceptable data sources listed below. The EHR takes precedence over a hand written entry if different gestational ages are documented in equivalent data sources, e.g., delivery record and delivery summary. **Suggested Data Sources:** ONLY ACCEPTABLE SOURCES IN ORDER OF PREFERENCE: • Delivery room record • Operating room record • History and physical • Prenatal forms • Admission clinician progress notes • Discharge summary

Data Element	Definition	Column Header	Description
Gestational Age-Days	The additional number of days of gestation elapsed after the last completed week.	gestational_age_days	**Allowable values:** 0-6 or blank if unknown
Gestational Age-Combined	Gestational age in weeks plus days, in a combined format.	gestational_age_combined	This optional field can serve as a substitute for the field "Gestational Age-Weeks" for hospitals with clinical systems that combine the completed weeks of gestational age with the days. Allowable forms include: • 37 • 37+3 • 37.3 • 37 3/7 • 37w 3d • 37 weeks 3 days
Delivering Provider ID	The National Provider Identifier (NPI) of the provider performing the delivery	prov_delivering	**Allowable values** The National Provider Identifier (NPI) issued to health care providers. 10-digit alphanumeric. This field is designed to identify the provider performing the delivery itself, and is used to generate provider-level metrics for the hospital's use.
Labor Care Provider ID	The National Provider Identifier (NPI) of the provider responsible for the majority of the labor management	prov_labor	**Allowable values** The National Provider Identifier (NPI) issued to health care providers. 10-digit alphanumeric. This field is designed to identify the provider responsible for the majority of the labor management and is used to generate provider-level metrics for the hospital's use.
Number of Maternal ICU Days	Total number of days the mother spent in ICU during delivery hospitalization	ICU_days	Allowable Values: 0-180 or UTD=Unable to Determine **If there was no ICU stay, use a "0"; not a blank. Blanks indicate missing information.**
Red Blood Cell Blood Products Transfused	Total Number of Red Blood Cell (RBCs) blood product units transfused	Number_rbc_products	**Allowable Values:** Allowable Values: 0-100 or UTD=Unable to Determine **If there was no transfusion of this blood product type, use a "0"; not a blank. Blanks indicate missing information.** **Suggested Data Sources:** • Nursing notes • Discharge summary • Physician progress notes • Chargemaster data • Blood bank data
Fresh Frozen Plasma Blood Products Transfused	Total number of Fresh Frozen Plasma (FFP) blood product units transfused.	Number_ffp_products	**Allowable Values:** Allowable Values: 0-100 or UTD=Unable to Determine **If there was no transfusion of this blood product type, use a "0"; not a blank. Blanks indicate missing information.** **Suggested Data Sources:** • Nursing notes • Discharge summary • Physician progress notes • Chargemaster data • Blood bank data
Total Units of Platelet Products Transfused	The TOTAL units of platelet products based on blood bank or chargemaster data.	Number_pp_products	**Allowable Values:** Allowable Values: 0-100 or UTD=Unable to Determine **If there was no transfusion of this blood product type, use a "0"; not a blank. Blanks indicate missing information.** **Suggested Data Sources:** • Nursing notes • Discharge summary • Physician progress notes • Chargemaster data • Blood bank data
Total Units of Cryoprecipitate Products Transfused	The TOTAL units of cryoprecipitate products based on blood bank or chargemaster data.	Number_cryo_products	**Allowable Values:** Allowable Values: 0-100 or UTD=Unable to Determine **If there was no transfusion of this blood product type, use a "0"; not a blank. Blanks indicate missing information.**

Data Element	Definition	Column Header	Description
Severe Hypertension	New onset severe hypertension (Systolic >=160 OR Diastolic >=110) on two consecutive occasions at least 15 minutes apart.	severe_hypertension	**Allowable Values:** Y (Yes) There is documentation by the clinician that the patient met the new onset HTN criteria N (No) There is no documentation by the clinician that the patient met the new onset HTN criteria OR unable to determine from medical record documentation. *Note: A single elevated severe range blood pressure does <u>not</u> meet the inclusion criteria.*
Timely Treatment for Severe HTN	Treating women identified with new onset severe hypertension with first line medications (IV labetalol, IV hydralazine, or PO Nifedipine) <u>within 60 min</u> after elevated BP is identified.	Timely_treatment_for_severe_hypertension	**Allowable Values:** Y (Yes) There is documentation that the patient received first-line medications <u>within 60 minutes</u> of the elevated BP being identified. N (No) There is no documentation that the patient received first-line medications within 60 minutes of the elevated BP being identified OR unable to determine from medical record documentation. *Note: First line medications include IV labetalol, IV hydralazine, or PO Nifedipine*
Labor	Documentation by the clinician that the patient was in labor prior to induction and/or cesarean birth.	labor_present	**Allowable Values:** Y (Yes) There is documentation by the clinician that the patient was in labor prior to induction and/or cesarean birth. N (No) There is no documentation by the clinician that the patient was in labor prior to induction and/or cesarean birth OR unable to determine from medical record documentation. **Notes for Abstraction:** • A clinician is defined as a physician, certified nurse midwife (CNM), advanced practice nurse/physician assistant (APN/PA) or registered nurse (RN). • Documentation of labor by the clinician should be abstracted at face value, e.g., admit for management of labor, orders for labor, etc. There is no requirement for acceptable descriptors to be present in order to answer "yes" to labor. • Documentation of regular contractions with or without cervical change, e.g.: o contractions every 4 to 5 minutes o regular contractions and dilation o effacement 50% with contractions every 3 minutes o steady contractions • Induction of labor is defined as the use of medications or other methods to bring on (induce) labor. Methods of induction of labor include, but are not limited to: o Administration of Oxytocin (Pitocin) o Artificial rupture of membranes (AROM) or amniotomy o Insertion of a catheter with an inflatable balloon to dilate the cervix o Ripening of the cervix with prostaglandins, i.e. Cervidil, Prepidil, Cytotec, etc. o Stripping of the membranes when the clinician sweeps a gloved finger over the thin membranes that connect the amniotic sac to the wall of the uterus. ***Include***: The following are acceptable descriptors for labor: •Active • Early • Latent • Spontaneous ***Exclude***: The following are <u>not</u> acceptable descriptors for labor: • Prodromal **Suggested Data Sources**: History and physical, Nursing notes, Physician orders, Medication Administration Record (MAR), Labor Flow Sheet, Physician progress notes
Spontaneous Rupture of Membranes ***NOTE: This data element is not necessary to***	Documentation that the patient had spontaneous rupture of membranes (SROM) ***<u>before</u>*** medical induction and/or cesarean section.	srom_before	**Allowable Values:** Y (Yes) There is documentation that the patient had spontaneous rupture of membranes before medical induction and/or c-section. N (No) There is no documentation that the patient had spontaneous rupture of membranes before medical induction and/or cesarean section OR unable to determine from medical record documentation. Leave blank (,,) if the information is missing/not collected for a specific case

Data Element	Definition	Column Header	Description
calculate PC-01 for periods <u>after</u> January 1, 2015.			**Notes for Abstraction:** If the patient's spontaneous rupture of membranes is confirmed before medical induction and/or cesarean section by one of the following methods, select allowable value "Yes": • Positive ferning test • Positive nitrazine test • Positive pooling (gross fluid in vagina) • Positive Amnisure ROM test or equivalent • Patient report of SROM prior to hospital arrival **Suggested Data Sources**: History & physical, Nursing notes, Physician progress notes
Prior Uterine Surgery	Documentation that the patient had undergone prior uterine surgery.	prior_uterine_surgery	**Allowable Values:** Y (Yes) The medical record contains documentation that the patient had undergone prior uterine surgery. N (No) The medical record does not contain documentation that the patient had undergone a prior uterine surgery OR unable to determine from medical record documentation. Leave blank (,,) if the information is missing/not collected for a specific case **Notes for Abstraction:** The **only** prior uterine surgeries considered for the purposes of the measure are: • Prior classical cesarean birth which is defined as a vertical incision into the upper uterine segment • Prior myomectomy • Prior uterine surgery resulting in a perforation of the uterus due to an accidental injury • History of a uterine window or thinning or defect of the uterine wall noted during prior uterine surgery or during a past or current ultrasound • History of uterine rupture requiring surgical repair • History of a cornual ectopic pregnancy • History of transabdominal cerclage • History of metroplasty and/or prior removal of vestigial horn with entry into the uterine cavity **Exclude from definition of "prior uterine surgery":** • Prior low transverse cesarean birth • Prior cesarean birth without specifying prior classical cesarean birth • History of an ectopic pregnancy without specifying cornual ectopic pregnancy • History of a cerclage without specifying transabdominal cerclage **Suggested Data Sources:** History and physical, Nursing admission assessment, progress notes, physician's notes, prenatal forms
Sample Flag for Joint Commission PC-01	Flag to indicate that the record was included in the hospital's Joint Commission sample (drawn via the core measure vendor system) for PC-01: Elective Delivery < 39 Weeks.	pc_01_sample	**Allowable values:** Y (Yes): Record is part of Joint Commission Sample for this measure. N (No) or Blank: Record is not part of Joint Commission sample for this measure or sample inclusion is unknown
Antenatal Steroids Initiated	Documentation that antenatal steroids were initiated before delivery. Initial antenatal steroids are 12mg betamethasone IM or 6mg dexamethasone IM. *Note: Data used to populate both Joint Commission and Leapfrog versions of Antenatal Steroids measure*	antenatal_steroid_administered	**Allowable Values:** Y (Yes) There is documentation that antenatal steroids were initiated before delivery. N (No) There is no documentation that antenatal steroids were initiated before delivery OR unable to determine from medical record documentation. Leave blank (,,) if the information is missing/not collected for a specific case **Notes for Abstraction:** If there is documentation that antenatal steroids were initiated prior to current hospitalization in another setting of care, i.e., doctor's office, clinic, birthing center, hospital before delivery, select allowable value "yes".

Data Element	Definition	Column Header	Description
			If antenatal steroids were initiated in the hospital, the name of the medication must be documented in the medical record in order to select allowable value "yes". Refer to Appendix C, Table 11.0 Antenatal Steroid Medications **Suggested Data Sources:** • History and physical • Progress notes • Medication administration record (MAR) • Prenatal forms
Reason for Not Initiating Antenatal Steroids	Reasons for not initiating antenatal steroids before delivery are clearly documented in the medical record. Reasons for not initiating antenatal steroids may include fetal distress, imminent delivery or other reasons documented by physician/advanced practice nurse (APN)/physician assistant (PA)/certified nurse midwife (CNM). Initial antenatal steroids are 12mg betamethasone IM or 6mg dexamethasone IM. *Note: Data used to populate both Joint Commission and Leapfrog versions of Antenatal Steroids measure*	antenatal_steroid_exclusion	**Allowable Values:** Y (Yes) There is documentation by physician/APN/PA/CNM that the patient has one or more reasons for not initiating antenatal steroids before delivery. N (No) There is no documentation by physician/APN/PA/CNM of a reason for not initiating antenatal steroids before delivery or unable to determine from medical record documentation. Leave blank (,,) if the information is missing/not collected for a specific case **Notes for Abstraction:** When determining whether there is a reason documented by a physician/APN/PA or CNM for not initiating antenatal steroids, reasons must be explicitly documented (e.g., "patient had an adverse reaction to the medication in the past - unable to initiate antenatal steroids") or clearly implied (i.e., there is documentation of an imminent delivery which occurs within 2 hours after admission to the hospital, there is documentation the fetus has anomalies which are not compatible with life, there is documentation that the patient has chorioamnionitis). **Suggested Data Sources:** PHYSICIAN/APN/PA/CNM DOCUMENTATION ONLY • History and physical • Physician progress notes • Prenatal forms
Sample Flag for Joint Commission PC-03	Flag to indicate that the record was included in the hospital's Joint Commission sample (drawn via the core measure vendor system) for PC-03: Antenatal Steroids.	pc_03_sample	**Allowable values:** Y (Yes): Record is part of Joint Commission Sample for this measure. N (No) or Blank: Record is not part of Joint Commission sample for this measure or sample inclusion is unknown
DVT Prophylaxis - C-Section	Documentation that patient received either fractionated or unfractionated heparin or heparinoid, or pneumatic compression devices prior to surgery	dvt_prophylaxis_administered	**Allowable Values:** Y (Yes) There is documentation that the patient received either fractionated or unfractionated heparin or heparinoid, or pneumatic compression devices prior to surgery N (No) There is no documentation that the patient received either fractionated or unfractionated heparin or heparinoid, or pneumatic compression devices prior to surgery Leave blank (,,) if the information is missing/not collected for a specific case
Sample Flag for Leapfrog DVT Prophylaxis Measure	Flag to indicate that the record was included in the hospital's Leapfrog sample for DVT Prophylaxis.	lf_dvt_sample	**Allowable values:** Y (Yes): Record is part of Leapfrog Sample for this measure. N (No) or Blank: Record is not part of Leapfrog sample for this measure or sample inclusion is unknown
Sample Flag for Joint Commission PC-02	Flag to indicate that the record was included in the hospital's Joint Commission sample (drawn via the core measure vendor system) for PC-02: NTSV C-section Rate.	pc_02_sample	**Allowable values:** Y (Yes): Record is part of Joint Commission Sample for this measure. N (No) or Blank: Record is not part of Joint Commission sample for this measure or sample inclusion is unknown

Data Element	Definition	Column Header	Description
Maternal Diagnosis Codes	All conditions (primary and other) that coexist at time of admission, that develop during hospital stay or that affect treatment received or length of stay	Principal_diagnosis, other_diagnosis_1, other_diagnosis_2, other_diagnosis_3…….	ICD-9/-10-CM Codes Include periods after the third digit for all ICD-9 diagnosis codes greater than three digits. THE ONLY REASON TO SUBMIT THIS FIELD IS TO CORRECT CODES PREVIOUSLY SUBMITTED IN THE PATIENT DISCHARGE DATA FILE. SUBMISSION OF THIS FIELD WILL OVERWRITE PREVIOUSLY SUBMITTED DATA IN THE PDD FILE.
Maternal Procedure Codes	All procedures (primary and other) related to patient's stay	Principal_procedure, other_procedure_1, other_procedure_2, ….	ICD-9/-10 Code and MMDDYYYY Date Format. Include periods after the second digit for all ICD-9 procedure codes greater than two digits. THE ONLY REASON TO SUBMIT THIS FIELD IS TO CORRECT CODES ORIGINALLY SUBMITTED IN THE PATIENT DISCHARGE DATA FILE. SUBMISSION OF THIS FIELD WILL OVERWRITE PREVIOUSLY SUBMITTED DATA IN THE PDD FILE.
Patient Height-Feet	Mother's Height (Feet)	Mom_height_feet	Allowable values: 2-7 (N) *Can support risk adjustment for BMI for C-Section Metrics*
Patient Height-Inches	Patient's Height (inches)	Mom_height_inches	Allowable values: 0-11 (NN) *Can support risk adjustment for BMI for C-Section Metrics*
Patient Pre-Pregnancy Weight	Mother's pre-pregnancy weight	Mom_prepreg_weight	Allowable values: 0-500 (NNN)
Patient Weight at Delivery	Mother's weight at delivery	Mom_deliv_weight	Allowable values: 0-500 (NNN) *Can support risk adjustment for BMI for C-Section Metrics*
Transfer from Alternative Birth Setting	If labor management was initiated outside of the hospital, the alternative birth setting from which the mother was transferred.	Alt_birth_setting	**Allowable Values in bold text below:** **N**: None **home**: Home **birth_center**: Birth Center
Induced	Documentation that labor was induced in the patient.	Induced	Allowable Values: **Y** (Yes) **N** (No)
Data Elements for WSHA Safe Deliveries Labor Management Process Measures			
*Admission to L&D in Labor with Intact Membranes	Documentation that the patient was admitted to Labor and Delivery with Intact membranes.	admitted_for_labor_with_intact_membranes	Allowable Values: Y (Yes) N (No) Respond "no" for any cases with a planned or scheduled cesarean—regardless of labor status or ruptured membranes. If ruptured membranes are present guidelines allow admission with cervical dilation less than 4cm per provider clinical judgment (therefore these cases do not require further chart review).
*Dilation ≥ 4cm at Admission Decision	Documentation that the patient's cervical dilation at admission was greater than or equal to 4 cm.	dilation_at_admission_gte_4cm	Allowable Values: Y (Yes) N (No)
*Concern for Maternal/Fetal Status	Documentation that, at the time of the admission, there was a clinical concern regarding maternal or fetal status which prompted admission of the patient prior to 4 cm dilation.	clinical_concern_at_admission	Allowable Values: Y (Yes) N (No)
*Inadequate Pain Control	Documentation that, at the time of the admission, the patient required pain control which prompted admission of the patient prior to 4 cm dilation.	inadequate_pain_control_at_admission	Allowable Values: Y (Yes) N (No)

Data Element	Definition	Column Header	Description
*Primary Reason for Induction	Provider documentation of the primary reason for electing to perform an induction. If there is a "Provider Documented Medical Indication", that option should trump all other options as the "Primary Reason".	induction_reason	Allowable values in bold text below: provider_documented : Provider documented medical indication history_of_fast_labor : History of fast labor distance_from_hospital : Distance from hospital suspected_macrosomia : Suspected macrosomia (without history of shoulder dystocia) psychosocial : Psychosocial (e.g. partner's deployment date, family or significant relation availability, adoption, etc.) maternal_discomfort : Mother in severe discomfort during final weeks of pregnancy advanced_cervical_dilation : Advanced cervical dilation, GBS negative not_documented : No Documented Indication If there is a "Provider Documented Medical Indication", that option should trump all other options as the "Primary Reason".
*Full Bishop Score	The Full Bishop Score indicting the odds of an induction resulting in a vaginal delivery. The Full Bishop Score is based on 5 elements: Cervical dilation, Cervical effacement, Cervical consistency, Cervical position, Fetal station	bishop_score	Allowable values in bold text below: **1: 1** **2: 2** **3: 3** **4: 4** **5: 5** **6: 6** **7: 7** **8: 8** **9**: 9 **10**: 10 **11**: 11 **12:** 12 **13**: 13 **deferred**: Deferred because of ROM or bleeding **unknown**: Unknown
*Planned/Scheduled CS	Documentation at the time of admission that: a cesarean had been planned or scheduled OR an urgent/emergent cesarean was required.	scheduled_cs	Allowable Values: Y (Yes) N (No) "Yes" responses include both planned or scheduled cesareans prior to admission and immediate decisions for urgent/emergent cesareans upon admission
*Maximum Cervical Dilation Documented Before C: Section	The maximum cervical dilation documented prior to the decision to perform the cesarean section	maximum_cervical_dilation	Allowable values in bold text below: **complete:** 10cm/Complete **9:** 9cm **8:** 8cm **7:** 7cm **6:** 6cm **5:** 5cm **4**: 4cm **3**: 3cm **2**: 2cm **1**: 1cm **less_than_1cm**: Less than 1cm/FT
*Primary Indication for Cesarean Birth	Documentation of the primary indication for the cesarean birth at the time the decision to perform the cesarean was made.	primary_indication_for_cs	Allowable values in bold text below: labor_abnormality: Labor Abnormality (labor dystocia, failure to progress, or failure to descend) fetal_concern: Fetal Status Concern maternal_concern: Maternal Status Concern
*Fetal Status Concern	Documentation of the primary fetal status concern at the time the decision to perform the cesarean was made	fetal_indication_for_cs	Allowable values in bold text below: category_3_fhr: Category 3 FHR persistent_category_2_fhr: Persistent Category 2 FHR w/Minimal Variability and Significant Decelerations category_2_fhr_pattern: Category 2 FHR Pattern with Labor Abnormality other_non_reassuring_fhr: Other Non: reassuring FHR other_fetal_concerns: Other Fetal Concerns
*Maternal Clinical Concern	Documentation of the primary maternal clinical concern at the time the decision to perform the cesarean was made	maternal_indication_for_cs	Allowable values in bold text below: preeclampsia_or_hellp_syndrome: Preeclampsia/HELLP Syndrome high_fever_remote_from_delivery: High Fever Remote From Delivery bleeding_or_other_coagulopathy: Bleeding or Other Coagulopathy other_abnormal_maternal_vital_signs: Other Abnormal Maternal Vital Signs other_severe_complication: Other Severe Complication

Data Element	Definition	Column Header	Description
*Total Time in Second Stage to CS Decision	Documentation of the total time in second stage: from 10cm to delivery, including "laboring-down" time.	duration_second_stage_labor	Allowable values in bold text below: second_stage_less_than_two_hours: <2 hours second_stage_less_than_three_hours: 2 : <3 hours second_stage_less_than_four_hours: 3 : <4 hours second_stage_less_than_five_hours: 4 : <5 hours second_stage_less_than_seven_hours: 5 : <7 hours second_stage_seven_or_more_hours: >=7 hours
*Total time in Active Phase Prior to CS Decision	Documentation of the total time in active phase stage: from 6 cm to the time a decision was made to perform the cesarean. The total time should include "laboring-down" time.	duration_active_phase_labor	Allowable values in bold text below: active_phase_less_than_two_hours: <2 hours active_phase_less_than_three_hours: 2 : <3 hours active_phase_less_than_four_hours: 3 : <4 hours active_phase_less_than_five_hours: 4 : <5 hours active_phase_less_than_seven_hours: 5 : <7 hour active_phase_seven_or_more_hours: >=7 hours
*Oxytocin Administration	Documentation that there was at least 12 hours of oxytocin after rupture of membranes and prior to the CS delivery	twelve_hours_of_oxytocin_after_rom	Allowable Values: Y (Yes) N (No)
*Ruptured Membranes at Arrest Time	Documentation that membranes had ruptured at or before arrest time	ruptured_membranes_before_labor_arrest	Allowable Values: Y (Yes) N (No)
*Minimal Cervical Change	Documentation of the time interval in which there was no or minimal change in cervical dilation before the CS decision	duration_minimal_cervical_change_before_cs	Allowable values in bold text below: minimal_cervical_change_before_cs_at_least_4h: at least 4h with adequate uterine activity minimal_cervical_change_before_cs_at_least_6h: at least 6h with inadequate uterine activity and with oxytocin minimal_cervical_change_less_than_4h: Less than those times
*Cervical Ripening	Documentation on whether cervical ripening was used	cervical_ripening_used	Allowable Values: Y (Yes) N (No)
*Sample Flag for Delayed Early Labor Admission	Flag to indicate the record was included in the hospital's "Delayed Early Labor Admission" sample	delayed_labor_admissions_sample	Allowable Values: Y (Yes) N (No)
*Sample Flag for Labor Management	Flag to indicate the record was included in the hospital's in "Labor Management" sample	labor_management_sample	Allowable Values: Y (Yes) N (No)
*Epidural	Documentation that the patient received an epidural	Epidural	Allowable Values: Y (Yes) N (No) *Note: This will only be displayed in the CSV Download for the Labor Management Process Measure to support internal analytics; it is <u>not</u> used in the calculation algorithm for any of the measures.*

As of October 2016, these fields are only being used by WSHA-MDC hospitals for the Labor Management Process Measures

Newborn Supplemental File Data Elements

Please use the designated column headers. If you are <u>not</u> including some of the optional fields, simply omit the column header/column for those fields.

Data Element	Definition	Column Header	Description
Newborn Medical Record Number or Account Number	Unique code identifying a particular patient record within reporting facility	medical_record_number OR account_number	Medical record number or any patient identification number assigned by the facility. Use a number that matches the medical record number for the newborn provided in the patient discharge data file submission. The number will be encrypted upon receipt by the MDC server, but will be re-constituted to true value by authorized hospital staff (with MDC passwords tied to the hospital's private key).
Newborn Discharge Date	The date patient discharged from the hospital.	discharge_date	MMDDYYYY or CCYYMMDD
Facility ID Number	Unique 6-digit identifier assigned to each facility by OSHPD. First two digits indicate county in which facility located.	facility_id	**Allowable values**: 000000-999999 **Special Instructions**: This field is required for each record when submitting data for multiple hospitals in a single system file.
Birthweight	The weight (in grams) of a newborn at the time of delivery	birth_weight	**Allowable Values:** 150 through 8165 grams or UTD = Unable to Determine **Note:** When converting from pounds and ounces to grams, do not round to the nearest pound before converting the weight to grams. Round to the nearest whole number after the conversion to grams. **Notes for Abstraction:** • Newborns with birth weights less than 150 grams need to be verified that the baby was live born and for data quality purposes. Birth weights greater than 8165 grams need to be verified for data quality. Abstractors should review all of the suggested data sources to verify accuracy. • If the birth weight is unable to be determined from medical record documentation, enter "UTD". • The medical record must be abstracted as documented (taken at "face value"). When the value documented is not a valid number/value per the definition of this data element **and** no other documentation is found that provides this information, the abstractor should select "UTD." Example: Documentation indicates the *Birth Weight* was 0 grams. No other documentation in the medical record provides a valid value. Since the*Birth Weight* is not a valid value, the abstractor should select "UTD." *Note:* Transmission of a case with an invalid value as described above will be rejected from the Joint Commission's Data Warehouse. Use of "UTD" for *Birth Weight* allows the case to be accepted into the warehouse. • The NICU admission assessment or notes should be reviewed first for the birth weight. In the absence of admission to the NICU, the delivery record or operating room record should be reviewed next for the birth weight. In cases where there is conflicting data, use the document recording the birth weight closest to the time of delivery. • It is acceptable to use data derived from vital records reports received from state or local departments of public health, delivery logs or clinical information systems if they are available and are directly derived from the medical record with a process in place to confirm their accuracy. If this is the case, these may be used in lieu of the suggested data sources listed below. • For newborns received into the hospital as a transfer, the admission birth weight may be used if the original birth weight is not available. • If the birth weight is recorded in pounds and ounces and also in grams, abstract the value for grams. **Suggested Data Sources** (In Order of Priority): • NICU admission assessment or notes • Delivery record • Operating room record • History and physical • Nursing notes • Nursery record • Physician progress notes

Data Element	Definition	Column Header	Description
5 Minute Apgar Score	The newborn's Apgar Score at 5 minutes after birth	Apgar_5	**Allowable Values:** 0-10 or UTD = Unable to Determine The newborn's Apgar Score at 5 minutes after birth. If you do not have a 5 minute Apgar Score the 10 Minute Apgar Score (per field below) will be required.
10 Minute Apgar Score	The newborn's Apgar Score at 10 minutes after birth	Apgar_10	**Allowable Values:** 0-10 or UTD = Unable to Determine The newborn's Apgar Score at 10 minutes after birth, if available". If no 5-minute Apgar is available, a 10-minutes Apgar is required in order to calculate some newborn measures.
NICU Admission	Documentation that the newborn was admitted to the Neonatal Intensive Care Unit (NICU any time during the hospitalization. ***Note: Used for both Breastfeeding (PC-05) and Newborn Bilirubin Screening (Leapfrog) measures***	nicu_admission	**Allowable Values:** Y (Yes) There is documentation that the newborn was admitted to the NICU at any time during this hospitalization. N (No) There is no documentation that the newborn was admitted to the NICU at any time during this hospitalization or unable to determine from medical record documentation. **Notes for Abstraction:** A NICU is defined as a hospital unit providing critical care services which is organized with personnel and equipment to provide continuous life support and comprehensive care for extremely high-risk newborn infants and those with complex and critical illness (source: American Academy of Pediatrics). Names of NICUs may vary from hospital to hospital. Level designations and capabilities also vary from region to region and cannot be used alone to determine if the nursery is a NICU. If the newborn is admitted to the NICU for observation or transitional care, select allowable value "no". Transitional care is defined as a stay of 4 hours or less in the NICU. There is no time limit for admission to observation. If an order to admit to the NICU is not found in the medical record, there must be supporting documentation present in the medical record indicating that the newborn received critical care services in the NICU in order to answer "yes". Examples of supporting documentation include, but are not limited to the NICU admission assessment and NICU flow sheet. If your hospital does not have a NICU, and there is no documentation that the newborn was transferred to a NICU at a different hospital,* you must select Value "no" regardless of any reason a newborn is admitted to a nursery. *Additional Notes: The Joint Commission defines "Admission to NICU" to be limited to "NICU at this hospital". For the Breast Milk Feeding measure, the TJC will then exclude cases with ***either*** "Admission to NICU" or "Transfers to other Acute Care Facilities or Other Health Care Facility". In order to use this data element for both the TJC and Leapfrog Group measures, the MDC definition no longer requires that the NICU Admission occur "at this hospital". If there is documentation that the newborn was transferred directly from the birth hospital to a NICU at another hospital, you may still respond "yes" to "NICU Admission" within the MDC. **Suggested Data Sources:** • Nursing notes • Discharge summary • Physician progress notes
Sample Flag for Joint Commission PC-05	Flag to indicate that the record was included in the hospital's Joint Commission sample (drawn via the core measure vendor system) for PC-05: Exclusive Breastfeeding.	pc_05_sample	**Allowable values:** Y (Yes): Record is part of Joint Commission Sample for this measure. N (No) or Blank: Record is not part of Joint Commission sample for this measure or sample inclusion is unknown
Exclusive Breast Milk Feeding	Documentation that the newborn was exclusively fed breast milk during the entire hospitalization. Exclusive breast milk feeding is defined as a newborn receiving only breast milk and no other	exclusively_breastfed	**Allowable Values:** Y (Yes) There is documentation that the newborn was exclusively fed breast milk during the entire hospitalization. N (No) There is no documentation that the newborn was exclusively fed breast milk during the entire hospitalization OR unable to determine from medical record documentation. **Notes for Abstraction:** • If the newborn receives any other liquids including water during the entire hospitalization, select allowable value "No".

Data Element	Definition	Column Header	Description
	liquids or solids except for drops or syrups consisting of vitamins, minerals, or medicines.		• Exclusive breast milk feeding includes the newborn receiving breast milk via a bottle or other means beside the breast. • Sweet-Ease® or a similar 24% sucrose and water solution given to the newborn for the purpose of reducing discomfort during a painful procedure is classified as a medication and is not considered a supplemental feeding. • If the newborn receives donor breast milk, select allowable value "Yes". • If breast milk fortifier is added to the breast milk, select allowable value "Yes". • In cases where there is conflicting documentation and both exclusive breast milk feeding and formula supplementation is documented, select allowable value "No". • If the newborn received drops of water or formula dribbled onto the mother's breast to stimulate latching and not an actual feeding, select "yes". **Suggested Data Sources:** • Discharge summary • Feeding flow sheets • Individual treatment plan • Intake and output sheets • Nursing notes • Physician progress notes
Reason for Not Exclusively Feeding Breast Milk ***NOTE: This data element is not necessary to calculate PC-05 for periods after October 1, 2015.***	Reasons for not exclusively feeding breast milk during the entire hospitalization are clearly documented in the medical record. These reasons are due to a maternal medical condition for which feeding breast milk should be avoided or due to mother's initial feeding plan which included formula feeding upon admission of the newborn. Exclusive breast milk feeding is defined as a newborn receiving only breast milk and no other liquids or solids except for drops or syrups consisting of vitamins, minerals, or medicines.	reason_not_breastfeeding	**Allowable Values:** 1.) There is documentation by physician/advanced practice nurse(APN)/physician assistant (PA)/certified nurse midwife (CNM) /international board certified lactation consultant (IBCLC)/ certified lactation counselor (CLC) of a reason for not exclusively feeding breast milk during the entire hospitalization due to a maternal medical condition with which breast milk feeding should be avoided 2.) There is documentation by physician/APN/PA/CNM/IBCLC/CLC/RN that the newborn's mother's initial feeding plan for the hospitalization included formula upon admission of the newborn. 3.) None of the above or unable to determine from medical record documentation. **Notes for Abstraction:** Admission is defined as the birth of the newborn. The mother's initial feeding plan or diet plan must be documented in the newborn's medical record and may only be used if it is documented prior to the first feeding. If the discussion of the mother's initial feeding plan occurred prior to birth of the newborn, this may be used provided the date and time of the discussion appears in the newborn's medical record. The date and time the discussion took place must also be prior to the date and time of the first feeding. Example: The discussion of the initial feeding plan with the mother was documented in the mother's medical record on 6-1-20xx at 10:00. The baby was born (admitted) on 6-1-20xx at 13:00. The first feeding was documented on 6-1-20xx at 13:30 in the newborn's medical record. The newborn's medical record should have documentation of the discussion of the initial feeding plan that took place with the mother, the content of the discussion and the mother's decision for the initial feeding plan along with the date and time of the discussion (6-1-20xx at 10:00). If the date and time documented in the newborn's medical record does not match that of the original discussion documented in the mother's record and it turns out to be a another discussion and feeding plan taking place after the first feeding, this documentation cannot be used, e.g., discussion occurring at 6-1-20xx at 14:00. When determining whether there is a reason due to a medical maternal condition documented by a physician/APN/PA/CNM/IBCLC or CLC for not exclusively feeding breast milk, reasons must be explicitly documented (e.g., "mother is HIV positive - newborn will not be breast fed") or clearly implied (e.g., "mother is currently abusing alcohol - newborn will be fed formula"). If reasons are not mentioned in the context of newborn feeding, do not make inferences (e.g., do not assume that the newborn is not receiving breast milk because of the medications the mother is currently taking). RN or certified lactation educator (CLE) documentation is not acceptable for maternal medical conditions. If newborn medical conditions, i.e., hypoglycemia, weight loss, hyperbilirubinemia, etc. are documented as a reason for not exclusively feeding breast milk, select allowable value ""3"". A mother's initial feeding plan existing at the time of admission of the newborn that includes formula feeding during the hospitalization must be clearly documented in the newborn's medical record in the context of the newborn substance fed in order to select allowable value ""2"". Do not assume

Data Element	Definition	Column Header	Description
			that the newborn was not exclusively fed breast milk due to the mother's initial feeding plan in the absence of such documentation. There is no evidence to support feeding both breast milk and formula, so the discussion of the mother's initial feeding plan should focus on the benefits of exclusive breast milk feeding and the risks of adding formula when breast feeding. If there is documentation in the newborn's medical record of the discussion and the mother's initial feeding plan for the hospitalization, and the mother still elected to feed both formula and breast milk upon admission select allowable value "2". If the mother's initial feeding plan was to exclusively feed breast milk upon admission, and the mother's feeding plan changed later in the hospitalization to include formula feeding select allowable value "3". Standing orders and check boxes listing the method of feeding to include formula based on the mother's initial feeding plan cannot be used alone to select allowable value "2". There must be additional supporting documentation from the physician/APN/PA/CNM/IBCLC/CLC that the initial feeding plan was discussed with the mother. RN documentation of the discussion and the mother's initial feeding plan to include formula discussed upon admission is acceptable ONLY if there is supporting documentation by the physician/APN/PA/CNM/IBCLC/CLC at some point during the hospitalization to corroborate the RN's initial discussion with the mother. If the mother decides to feed formula prior to the supporting documentation, only the initial feeding plan findings can be used. The mother''s medical record cannot be used to determine the mother''s initial feeding plan. This documentation must appear in the newborn''s medical record without using the mother's medical record to perform the abstraction even if there is a link between the mother and newborn medical records in the EHR. Bottle is a method of feeding and is not the same as formula. Bottle cannot be used interchangeably for formula, since breast milk can also be fed via a bottle. **Suggested Data Sources:** PHYSICIAN/APN/CNM/LACTATION CONSULTANT DOCUMENTATION ONLY • Clinician progress notes, • History and physical, Nursing assessment, • Physician progress notes, • Physician's orders **Additional Notes:** These are the only acceptable maternal medical conditions for which breast milk feeding should be avoided which includes one or more of the following medical conditions: • HIV infection • Human t-lymphotrophic virus type I or II • Substance abuse and/or alcohol abuse • Active, untreated tuberculosis • Taking certain medications, i.e., prescribed cancer chemotherapy, radioactive isotopes, antimetabolites, antiretroviral medications and other medications where the risk of morbidity outweighs the benefits of breast milk feeding • Undergoing radiation therapy • Active, untreated varicella • Active herpes simplex virus with breast lesions • Admission to Intensive Care Unit (ICU) post-partum • Newborn and mother will be separated after discharge from the hospital, and the mother will not be providing care for the newborn after the hospitalization. Some examples include, but are not limited to: adoption, foster home placement, surrogate delivery, incarceration of the mother • Previous breast surgery, i.e., bilateral mastectomy, bilateral breast reduction or augmentation where the mother is unable to produce breast milk • Breast abnormality, i.e., hypoplasia, tumor, etc. where the mother is unable to produce breast milk
Term Newborn	Documentation that the newborn was at term or >= 37 completed weeks of gestation at the time of birth.	term_newborn	Y (Yes) There is documentation that the newborn was at term or >= 37 completed weeks of gestation at the time of birth. N (No) There is no documentation that the newborn was at term or >= 37 completed weeks of gestation at the time of birth OR unable to determine from medical record documentation

Data Element	Definition	Column Header	Description
			Gestational age should be rounded off to the nearest completed week, not the following week. For example, an infant born on the 5th day of the 36th week (35 weeks and 5/7 days) is at a gestational age of 35 weeks, not 36 weeks. Estimated gestational age (EGA) may be used to determine gestational age, including a range of numbers that are 37 weeks or greater, e.g., 37-38 weeks gestation. It is acceptable to use data derived from vital records reports received from state or local departments of public health, delivery logs or clinical information systems if they are available and are directly derived from the medical record with a process in place to confirm their accuracy. If this is the case, these may be used in lieu of the acceptable data sources listed below. The mother's medical record ALONE cannot be used to determine the newborn's gestational age. This documentation must appear in the newborn's medical record without using the mother's medical record to perform the abstraction even if there is a link between the mother and newborn medical records in the EHR. In cases when there is conflicting documentation, e.g., both term and a gestational age of 36 weeks are documented, the gestational age takes precedence. In cases where there are two different values documented for gestational age and one is determined by examination and the other is determined by the best obstetrical estimate (OE) based on dates, abstract the value determined by dates. **Additional Notes:** ***Include***: • Gestational age of 37 weeks or more • Early term • Full term • Late term • Post term • Term ***Exclude***: • Gestational age of 36 weeks or less • Preterm • Early preterm • Late preterm
Bilirubin Screen:	Documentation that the newborn had a serum or transcutaneous bilirubin screen prior to discharge to identify risk of hyperbilirubinemia according to the Bhutani Nomogram	bilirubin_screening_performed	**Allowable Values:** Y (Yes) There is documentation that the newborn had a serum or transcutaneous bilirubin screen prior to discharge N (No) There is no documentation that the newborn had a serum or transcutaneous bilirubin screen prior to discharge.
Bilirubin Screen: Parental refusal to test	Documentation that the newborn's parents refused to allow the hospital to perform a serum or transcutaneous bilirubin screen prior to discharge.	patient_refused_bili_screening	**Allowable Values:** Y (Yes) There is documentation that the newborn's parents refused to allow the hospital to perform a serum or transcutaneous bilirubin screen prior to discharge. N (No) There is no documentation that the newborn's parents refused to allow the hospital to perform a serum or transcutaneous bilirubin screen prior to discharge.

Data Element	Definition	Column Header	Description
Sample Flag for Leapfrog Bilirubin Measure	Flag to indicate that the record was included in the hospital's Leapfrog sample for Newborn Bilirubin Screening.	lf_bili_sample	**Allowable values:** Y (Yes): Record is part of Leapfrog Sample for this measure. N (No) or Blank: Record is not part of Leapfrog sample for this measure or sample inclusion is unknown
Newborn Diagnosis Codes	All conditions (primary and other) that coexist at time of admission, that develop during hospital stay or that affect treatment received or length of stay	Principal_diagnosis, other_diagnosis_1, other_diagnosis_2, other_diagnosis_3 …….	ICD-9/-10-CM Codes Include periods after the third digit for all ICD-9 diagnosis codes greater than three digits. THE ONLY REASON TO SUBMIT THIS IS TO CORRECT CODES PREVIOUSLY SUBMITTED IN THE PATIENT DISCHARGE DATA FILE. SUBMISSION OF THIS FIELD WILL OVERWRITE PREVIOUSLY SUBMITTED DATA IN THE PDD FILE.
Newborn Procedure Codes	All procedures (primary and other) related to patient's stay	Principal_procedure , other_procedure_1, other_procedure_2, ….	ICD-9/-10 Code and MMDDYYYY Date Format. Include periods after the second digit for all ICD-9 procedure codes greater than two digits. THE ONLY REASON TO SUBMIT THIS FIELD IS TO CORRECT CODES ORIGINALLY SUBMITTED IN THE PATIENT DISCHARGE DATA FILE. SUBMISSION OF THIS FIELD WILL OVERWRITE PREVIOUSLY SUBMITTED DATA IN THE PDD FILE.
Newborn Discharge Status	The discharge disposition of the newborn	discharge_status	An NUBC code indicating the disposition or discharge status of the patient at the end service for the period covered on this bill as reported in FL6, Statement Covers Period. THE ONLY REASON TO SUBMIT THIS FIELD AS PART OF THE CLINICAL FILE IS TO CORRECT CODES ORIGINALLY SUBMITTED IN THE PATIENT DISCHARGE DATA FILE. SUBMISSION OF THIS FIELD WILL OVERWRITE PREVIOUSLY SUBMITTED DATA IN THE PDD FILE. The following values are accepted: 01 Discharged to Home or Self care (Routine Discharges) 02 Discharged/transferred to Short Term General Hospital for Inpatient Care 03 Discharged/transferred to Skilled Nursing Facility (SNF) with Medicare Certification in Anticipation of Covered Skilled Care. 04 Discharge /transferred to a Facility That Provides Custodial or Supportive Care (Includes ICF and Assisted Living Facilities) 05 Discharged/transferred to a Designated Cancer Center or Children's Hospital 06 Discharged/transferred to Home under Care of Organized Home Health Service Organization in Anticipation of Covered Skilled Care. 07 Left Against Medical Advice or Discontinued Care 09 Admitted as an inpatient to this hospital 20 Expired 21 Discharged/transferred to Court/Law Enforcement 30 Still patient 43 Discharged/transferred to a Federal Health Care Facility 50 Hospice-Home 51 Hospice – Medical Facility (Certified) Providing Hospice Level of Care 61 Discharged/transferred to a Hospital Based Medicare Approved Swing Bed 62 Discharged/transferred to an Inpatient Rehabilitation Facility(IRF) including Rehabilitation Distinct Part Units of a Hospital 63 Discharged/transferred to a Medicare-Certified Long Term Care Hospital (LTCH) 64 Discharged/transferred to a Nursing Facility Certified under Medicaid but not certified under Medicare 65 Discharged/transferred to a Psychiatric Hospital or Psychiatric Distinct Part Unit of a Hospital 66 Discharged/transferred to a Critical Access Hospital (CAH) 69 Discharges/transferred to Designated Disaster Alternative Care Site 70 Discharged/transferred to another Type of HealthCare Institution Not Defined Elsewhere in this Codes List 81 Discharged to Home or Self Care with a Planned Acute Care Hospital Inpatient Readmission

Data Element	Definition	Column Header	Description
			82 Discharged/Transferred to Short Term General Hosp for Inpatient Care with a Planned Acute Care Hospital Inpatient Readmission 83 Discharged/Transferred to SNF with Medicare Certification with a Planned Acute Care Hospital Inpatient Readmission 84 Discharged/Transferred to a Facility that Provides Custodial or Supportive Care with a Planned Acute Care Hospital Inpatient Readmission 85 Discharged/Transferred to a Designated Cancer Center or Children's Hospital with a Planned Acute Care Hospital Inpatient Readmission 86 Discharged/Transferred to Home Under Care of Organized Home Health Service Organization with a Planned Acute Care Hospital Inpatient Readmission 87 Discharged/Transferred to Court/Law Enforcement with a Planned Acute Care Hospital Inpatient Readmission 88 Discharged/Transferred to Federal Health Care Facility with a Planned Acute Care Hospital Inpatient Readmission. 89 Discharged/Transferred to a Hospital Based Medicare Approved Swing Bed with a Planned Acute Care Hospital Inpatient Readmission 90 Discharged/Transferred to Inpatient Rehabilitation Facility Including Rehabilitation Distinct Part Units of a Hospital with a Planned Acute Care Hospital Inpatient Readmission 91 Discharged/Transferred to Medicare Certified Long Term Care Hospital (LTCH) with a Planned Acute Care Hospital Inpatient Readmission. 92 Discharged/Transferred to A Nursing Facility Certified Under Medicaid but not Medicare with a Planned Acute Care Hospital Inpatient Readmission 93 Discharged/Transferred to a Psychiatric Hospital or Psychiatric Distinct Part Unit of a Hospital with a Planned Acute Care Hospital Inpatient Readmission 94 Discharged/Transferred to a Critical Access Hospital (CAH) with a Planned Acute Care Hospital Inpatient Readmission 95 Discharged/Transferred to Another Type of Health Care Institution not Defined Elsewhere in the Code List with a Planned Acute Care Hospital Inpatient Readmission