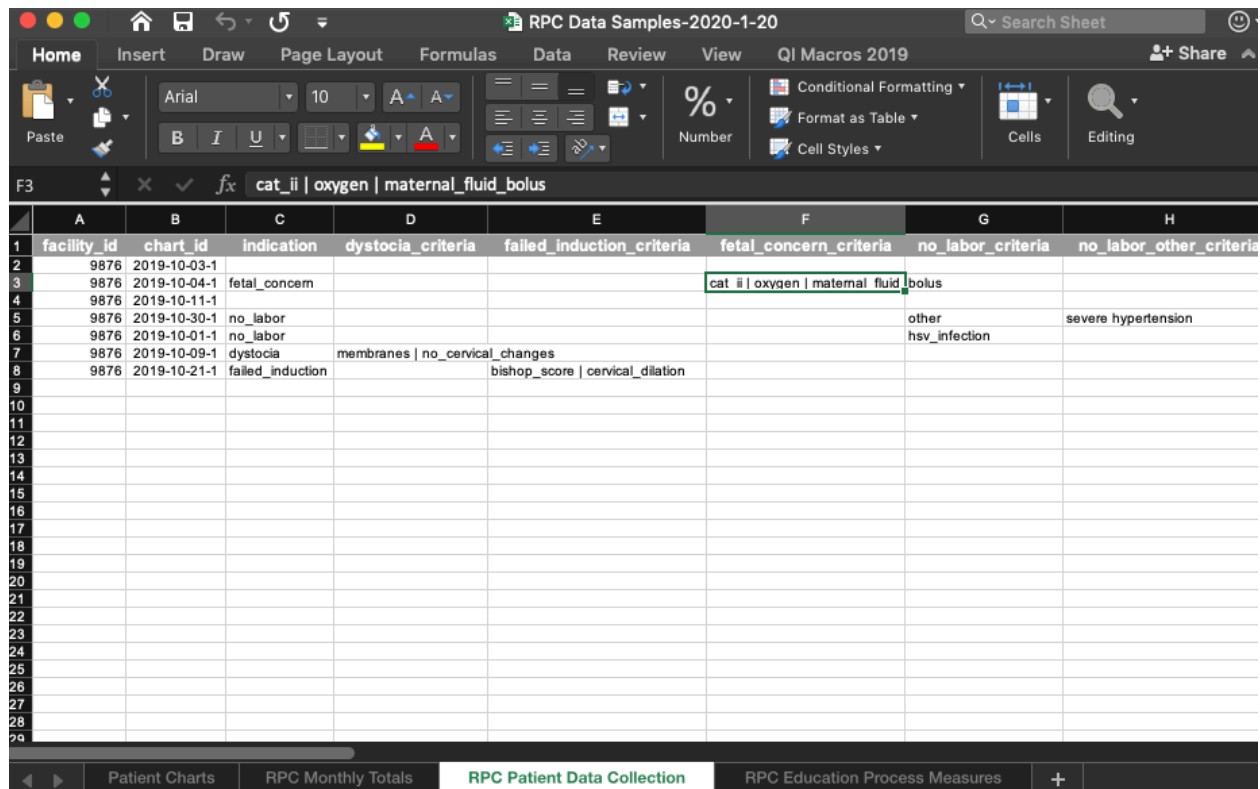


Delphi Bulk Data Submission

Beginning in January 2020, DELPHI will begin accepting submissions of data via bulk CSV format submission in order to reduce manual data entry burden. For the initial phase, only Reduction in Primary Cesarean data will be accepted via the bulk CSV submission format. Manual form entry will continue to be allowed in parallel.

Bulk Data Entry process consists of two parts – preparing your data for submission and submitting your data through Delphi. Part 1 of this document describes the correct formatting for your file. Part 2 describes the step by step process of submitting your data.

There is a separate sample spreadsheet available on pqnc.org that illustrates correct formatting for your reference.



	A	B	C	D	E	F	G	H
1	facility_id	chart_id	indication	dystocia_criteria	failed_induction_criteria	fetal_concern_criteria	no_labor_criteria	no_labor_other_criteria
2	9876	2019-10-03-1						
3	9876	2019-10-04-1	fetal_concern			cat ii oxygen maternal fluid bolus		
4	9876	2019-10-11-1						
5	9876	2019-10-30-1	no_labor				other	severe hypertension
6	9876	2019-10-01-1	no_labor				hsv_infection	
7	9876	2019-10-09-1	dystocia	membranes no_cervical_changes				
8	9876	2019-10-21-1	failed_induction		bishop_score cervical_dilation			
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NOTE: The samples have been packaged into a single workbook for your convenience in downloading and viewing. Delphi Bulk Data Entry only supports single CSV sheets and not workbooks



DELPHI Bulk Data Submission File Preparation

File Preparation Summary

Starting in January 2020, DELPHI will begin accepting submissions of data via bulk CSV format submission in order to reduce manual data entry burden. For the initial phase, only Reduction in Primary Cesarean data will be accepted.

This section describes the anticipated files, along with the column and value specifications for each file.

Patient Charts

The Patient Charts CSV will hold patient chart data for all the patients involved with a given initiative. If a Facility is enrolled in multiple initiatives, patients for all initiatives should be included in a single Patient Charts CSV file.

Columns

facility_id - required, string

The facility ID as entered in DELPHI

Example: 12345

chart_id - required, string, max 200 characters

An identifier for the patient. This identifier **must not** be a patient's medical record number. A **chart_id** **must** for a patient must be unique for each patient submitted by a facility. The format of a **chart_id** is up to the facility to determine, as long as the identifiers are unique and internally consistent. Example below is one proposed ID format, but each facility can determine the identifier strategy best for them and their systems.

Example: 2019-01-27-1

date_of_birth - string, ISO 8601 format

date_admitted - required, string, ISO 8601 format

date_discharged - string, ISO 8601 format

An ISO 8601-formatted date string. Currently, DELPHI only tracks birth, admission and discharge dates by day, so the hour, minute and second fields may be omitted.

Example: 2019-08-23

Initiatives - required, string

A comma-separated list of initiative codes. Currently, only Reduction in Primary Cesarean Section is supported, so the value of this field should be `rpcs`.

Example: `rpcs`

RPC Patient Data Collection

This submission is specific to the RPC initiative. The data in this submission should be taken during patient admission. Note that the charts for each patient in this list must already be imported into Delphi before the RPC-specific information is submitted.

Columns

facility_id - required, string

The facility ID as entered in DELPHI

Example: 12345

chart_id - required, string, max 200 characters

An identifier for the patient. This identifier **must not** be a patient's medical record number. A **chart_id** **must** for a patient must be unique for each patient submitted by a facility. The format of a **chart_id** is up to the facility to determine, as long as the identifiers are unique and internally consistent. Example below is one proposed ID format, but each facility can determine the identifier strategy best for them and their systems.

Example: 2019-01-27-1

indication - required, string, enumerated

Key	Value
dystocia	Labor dystocia or Failure to Progress
failed_induction	Failed Induction (including cervical ripening)
fetal_concern	Fetal Concern
no_labor	No Labor

The indication that led to NTSV cesarean delivery for this patient. Dystocia includes failure to progress. Failed Induction includes cervical ripening.

dystocia_criteria - required if indication is dystocia, string, enumerated

Key	Value
cervix	Cervix 6 cm or greater at time of delivery
membranes	Membranes Ruptured
no_cervical_changes	No cervical changes x 4 hours with adequate uterine activity (or 6 hours with oxytocin)

If Labor Dystocia or Failure to Progress, please indicate which criteria were present. If multiple criteria are present, they can be separated with a pipe (|) character.

Example: membranes_ruptured|no_cervical_changes

failed_induction_criteria - required if indication is Failed Induction, string, enumerated

Key	Value
cervical_dilation	Less than 6 cm dilation (if greater than or equal to 6cm dilation include under labor dystocia or failure to progress)
bishop_score	Bishop score greater than or equal to 6 before elective induction
oxytocin	Oxytocin use for a minimum of 12 hours after membrane rupture

If failed induction, please indicate which criteria were present. If multiple criteria are present, they can be separated with a pipe (|) character.

Example: cervical_dilation|oxytocin

fetal_concern_criteria - required if indication is Fetal Concern, string, enumerated

Key	Value
cat_ii	Category II tracing with clinically significant variable decelerations and/or minimally absent fetal heart rate variability without significant decelerations
cat_iii	Category III tracing
maternal_position	Maternal position change
maternal_fluid_bolus	Maternal fluid bolus
oxygen	Administration of oxygen
reduced_stimulant	Reduced or stopped oxytocin or uterine stimulant
amnioinfusion	Amnioinfusion with significant variable decelerations after other measures failed
stimulation	Stimulation (scalp, vibroacoustic or abdominal wall) with minimal or absent fetal heart rate variability

If fetal concern, please indicate which criteria were present. If multiple criteria are present, they can be separated with a pipe (|) character.

Example: membranes_ruptured|no_cervical_changes

no_labor_criteria - required if indication is No Labor, string, enumerated

Key	Value
macrosomia	Suspected macrosomia
myomectomy_scar	Previous myomectomy/uterine scar
bleeding	Third trimester bleeding
hsv_infection	Active HSV infection
maternal_request	Maternal request
other	Other

If No labor, please indicate reason for cesarean delivery.

no_labor_other_criteria - required if no_labor_criteria is Other, string, 256 characters max.

If 'Other' is selected as the No Labor criteria, please describe the reason.

no_labor_documentation - required if indication is No Labor, string, boolean integer, 0 for False or 1 for True

If No Labor, was documentation appropriate for indicated reason for cesarean delivery?

education_recieved - required, string, boolean integer, 0 for False or 1 for True
Did the patient receive information regarding normal healthy labor and birth?

delivery_mode - required, string, enumerated.

Key	Value
vaginal	Vaginal Delivery
primary_cs	Primary CS

The type of delivery that was performed..

apgar_5_min - required, integer, range 0-10
The infant's 5-minute Apgar score.

scn_nicu_admission - required, boolean integer, 0 for False or 1 for True
Was the infant was admitted to the SCN/NICU?

scn_nicu_reason - required if scn_nicu_admission is 1, string, enumerated

Key	Value
respiratory_distress	Respiratory Distress
infection	Infection
hypoglycemia	Hypoglycemia
nas	NAS
congenital_anomaly	Suspected/confirmed congenital anomaly
other	Other

Primary reason for SCN/NICU admission

scn_nicu_reason_other - required if scn_nicu_reason is Other, string, 256 characters max.

If 'Other' is selected as the SCN/NICU admission reason, please describe the reason.

ethnicity - required, string, enumerated

Allowed values: white, asian, black, hispanic, hawaiian_pacific, native, multiracial, refused

The patient's ethnicity.

payor - required, string, enumerated

Allowed values: medicaid, bcbs_state, uninsured, other

The payor for this patient.

RPC Education Process Measures

This submission is specific to the RPC initiative. The data in this submission is used to track the process of initiative-related education among medical staff.

Columns

facility_id - required, string

The facility ID as entered in DELPHI

Example value: 12345

quarter - required, string

An indicator of the quarter that is being reported. Must follow the format 'Q<quarter><year>'

Example value: Q3 2019

physicians_pct - required, integer, range 0-100

The cumulative percent of OB physicians and midwives who have completed an education program (within the last 2 years) on the ACOG/SMFM labor management guidelines that includes teaching on the Safe Reduction of Primary C/S: Support for Intended Vaginal Birth bundle and the unit standard protocol. This value will be rounded up to the nearest 10% for reporting purposes.

Example value: 30

nurses_pct - required, integer, range 0-100

The cumulative percent of OB nurses who have completed an education program (within the last 2 years) on the ACOG/SMFM labor management guidelines that includes teaching on the Safe Reduction of Primary C/S: Support for Intended Vaginal Birth bundle and standard unit processes. This value will be rounded up to the nearest 10% for reporting purposes.

Example value: 30

RPC Monthly Totals

This submission is specific to the RPC initiative. The data in this submission is used to track the monthly totals

Columns

facility_id - required, string

The facility ID as entered in DELPHI

Example value: 12345

month - required, integer, range 1-12

An integer representing the month the data is being collected for with January equalling 1 and December equalling 12.

year - required, integer

An integer representing the year the data is being collected for. The year must be either the current year or one of the two previous years.

total_deliveries - required, integer

An integer representing the total number of deliveries at this facility.

total_cesarean - required, integer

An integer representing the total number of cesarean deliveries at this facility.

total_anesthesia - required, integer

An integer representing the total number of women who received epidurals or spinal anesthesia during labor.

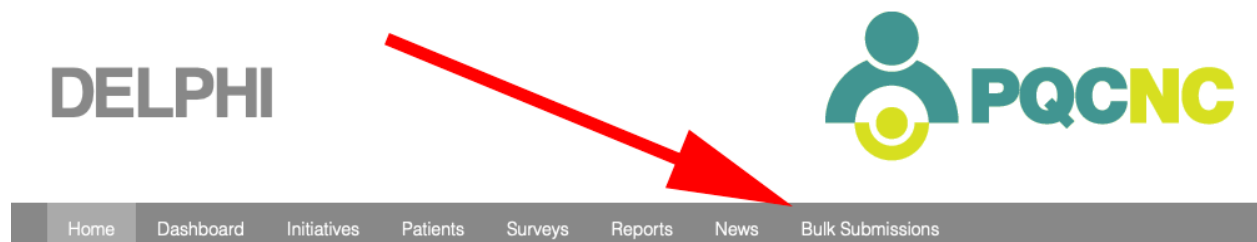
DELPHI Bulk Data Submission – Using the Importer

Using the Bulk Data Importer Summary

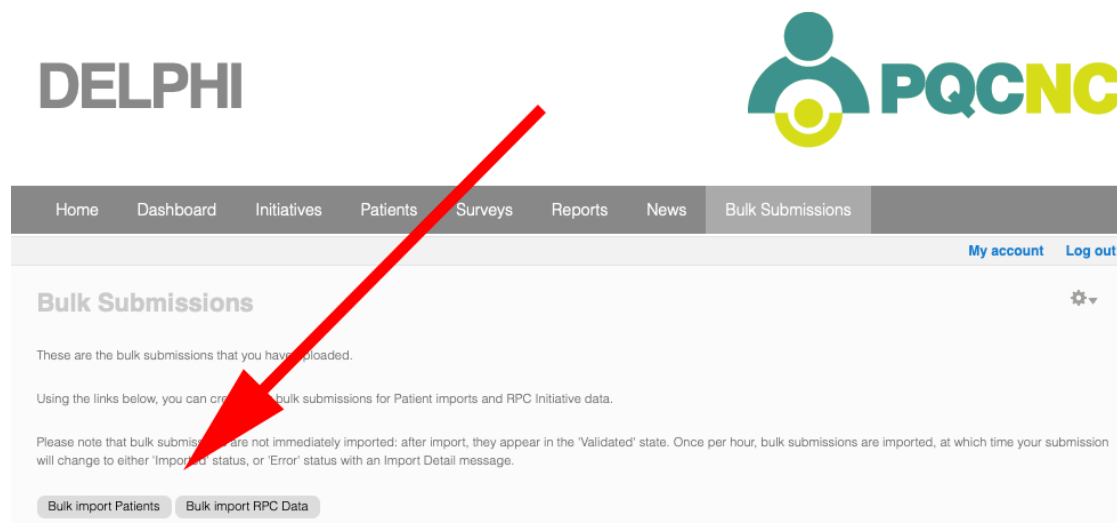
This section describes the submission process.

- Files need to be prepared as per the previous section.
- Patient files need to be submitted first before files containing patient data.
- File submission involves 3 steps
 1. You import the file
 2. It is pre-screened for obvious errors – if there are none it is ‘Validated’ and queued for import
 3. Once per hour bulk submissions are imported internally at which time your submission will change to ‘imported’ status (data added to Delphi, available for reports, etc.) or ‘error’ status with an accompanying detail message

1) Go to delphi.pqcnc.org and sign in as you normally would. You will see a new menu item – ‘Bulk Submissions’



2) Click on Bulk Submissions brings you to the Bulk Submissions page where you can choose to enter either RPC Patients or RPC Data



3) As patients need to be imported first you will choose Bulk import Patients



4) From this screen select choose file and choose the appropriate file from your computer

[Home » Add content](#)

Please note that bulk submissions are not immediately imported.

Bulk submissions are initially created in the 'Validated' state. Once per hour, bulk submissions are imported, at which time your submission will change to either 'Imported' status, or 'Error' status with an Import Detail message.

Please make sure that you have created a Bulk Patient Data submission containing your patient charts before attempting to create a bulk submission of RPC data.

File *

Choose File no file selected Upload

A CSV file containing the Patient Chart data.
Files must be less than 32 MB.
Allowed file types: csv.

Import Status *

- Validated
- Imported
- Error

Import Detail

▶ **ADDITIONAL SETTINGS**

Save Preview

5) You will see it attached and ready for upload

File *

Choose File RPC Patients.csv Upload

A CSV file containing the Patient Chart data.
Files must be less than 32 MB.
Allowed file types: csv.


6) Click the Upload button to upload the file

File *


Choose File RPC Patients.csv Upload

A CSV file containing the Patient Chart data.
Files must be less than 32 MB.
Allowed file types: csv.

7) The file will then be uploaded

File *
 [RPC Patients.csv](#) (649 bytes) [Remove](#)
A CSV file containing the Patient Chart data.

8) You will then need to save the file

File *
 [RPC Patients.csv](#) (649 bytes) [Remove](#)
A CSV file containing the Patient Chart data.


Import Status *

Validated
 Imported
 Error


Import Detail

[▶ ADDITIONAL SETTINGS](#)

[Save](#) [Preview](#)



9) When you are successful you will see that your import has been created

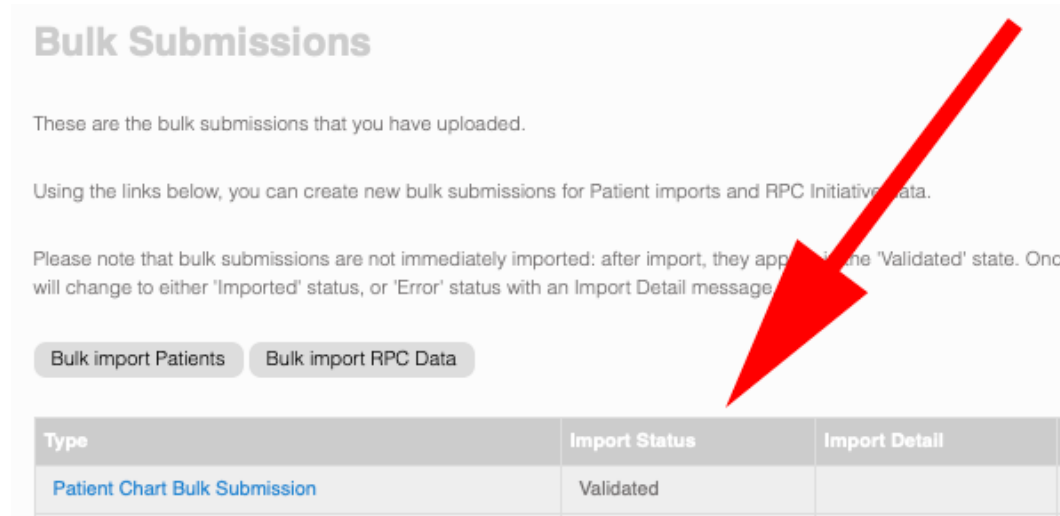
 Patient Chart Bulk Submission *Bulk Patient submission at*has been created.

File:

 [RPC Patients.csv](#)

Import Status:
Validated

10) And on returning to the Bulk Submission page you will see that your patient charts have been validated and are ready to be imported



Bulk Submissions

These are the bulk submissions that you have uploaded.

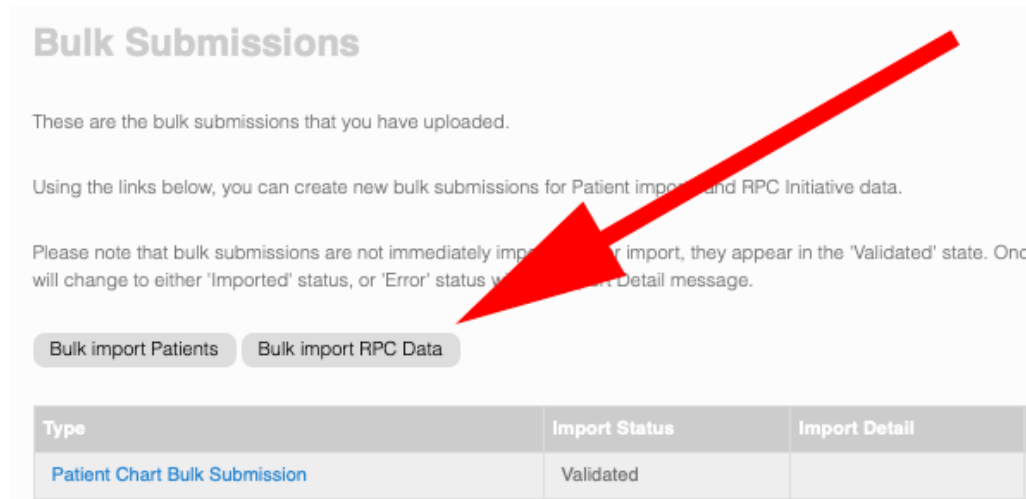
Using the links below, you can create new bulk submissions for Patient imports and RPC Initiative data.

Please note that bulk submissions are not immediately imported: after import, they appear in the 'Validated' state. Once they are imported, they will change to either 'Imported' status, or 'Error' status with an Import Detail message.

[Bulk import Patients](#) [Bulk import RPC Data](#)

Type	Import Status	Import Detail
Patient Chart Bulk Submission	Validated	

11) You are now ready to upload patient data or other data – select the Bulk import RPC Data button from the Bulk Submissions page



Bulk Submissions

These are the bulk submissions that you have uploaded.

Using the links below, you can create new bulk submissions for Patient imports and RPC Initiative data.

Please note that bulk submissions are not immediately imported: after import, they appear in the 'Validated' state. Once they are imported, they will change to either 'Imported' status, or 'Error' status with an Import Detail message.

[Bulk import Patients](#) [Bulk import RPC Data](#)

Type	Import Status	Import Detail
Patient Chart Bulk Submission	Validated	

12) There are separate sections for each type of import – choose the appropriate section for the file you be importing

[Home](#) » [Add content](#)

Please note that bulk submissions are not immediately imported.

Bulk submissions are initially created in the the 'Validated' state. Once per hour, bulk submissions are imported, at which time your submission will change to either 'Imported' status, or 'Error' status with an Import Detail message.

Please make sure that you have created a Bulk Patient Data submission containing your patient charts before attempting to create a bulk submission of RPC data.

RPC Data Collection

Choose File no file selected Upload

Files must be less than 100 MB.
Allowed file types: csv.

RPC Education Measures

Choose File no file selected Upload

Files must be less than 100 MB.
Allowed file types: csv.

RPC Monthly Totals

Choose File no file selected Upload

Files must be less than 100 MB.
Allowed file types: csv.

Import Status

Validated

Imported

Error

13) Repeat the process as before – choose the file from your computer

RPC Data Collection

Choose File Upload

Files must be less than 100 MB.
Allowed file types: csv.

14) Upload the file

RPC Data Collection

Choose File RPC Patient Data.csv Upload

Files must be less than 100 MB.
Allowed file types: csv.

15) Once you've uploaded it...

RPC Data Collection

 [RPC Patient Data.csv](#) (928 bytes) Remove

RPC Education Measures

Choose File no file selected Upload

Files must be less than 100 MB.
Allowed file types: csv.

RPC Monthly Totals

Choose File no file selected Upload

Files must be less than 100 MB.
Allowed file types: csv.

16)...you can save it

RPC Data Collection

 [RPC Patient Data.csv](#) (928 bytes) [Remove](#)

RPC Education Measures

[Choose File](#) no file selected [Upload](#)

Files must be less than 100 MB.
Allowed file types: csv.

RPC Monthly Totals

[Choose File](#) no file selected [Upload](#)

Files must be less than 100 MB.
Allowed file types: csv.

Import Status *

Validated

Imported

Error

Import Detail

[▶ ADDITIONAL SETTINGS](#)

[Save](#)

[Preview](#)



ERRORS

Bulk Data Submission expects to see all of the data columns in the file, in the correct order, with correctly formatted data.

17) Should that not be the case the importer will stop where the error occurs, the data will not be validated and you will see an error message. Here is a sample:

[Home](#) » [Add content](#)



An unknown fetal concern criterion cat ii was submitted. Value should be one of 'cat_ii', 'cat_iii', 'maternal_position', 'maternal_fluid_bolus', 'oxygen', 'reduced_stimulant', 'amnioinfusion', or 'stimulation'. Patient 2019-10-04-1.



One or more errors were encountered while processing a row in the RPC Data Collection file. Processing was suspended after encountering the listed errors.

Please note that bulk submissions are not immediately imported.

Bulk submissions are initially created in the the 'Validated' state. Once per hour, bulk submissions are imported, at which time your submission will change to either 'Imported' status, or 'Error' status with an Import Detail message.


Please make sure that you have created a Bulk Patient Data submission containing your patient charts before attempting to create a bulk submission of RPC data.

RPC Data Collection

 [test pt data 20180118.csv](#) (937 bytes) [Remove](#)

18) Should this occur, remove the file, correct the error(s), and resubmit the corrected file following the same procedure as before.

[Home](#) » [Add content](#)

 An unknown fetal concern criterion cat ii was submitted. Value should be one of 'cat_ii', 'cat_iii', 'maternal_position', 'maternal_fluid_bolus', 'oxygen', 'reduced_stimulant', 'amnioinfusion', or 'stimulation'. Patient 2019-10-04-1.

 One or more errors were encountered while processing a row in the RPC Data Collection file. Processing was suspended after encountering the listed errors.

Please note that bulk submissions are not immediately imported.

Bulk submissions are initially created in the the 'Validated' state. Once per hour, bulk submissions are imported, at which time your submission will change to either 'Imported' status, or 'Error' status with an Import Detail message.

Please make sure that you have created a Bulk Patient Data submission, containing your patient charts before attempting to create a bulk submission of RPC data.

RPC Data Collection

 [test pt data 20180118.csv](#) (937 bytes) [Remove](#)

