



NB-IRDT

New Brunswick Institute for
Research, Data and Training

Vitalite Perinatal Data V06

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How to Obtain More Information

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- email us at nb-irdt@unb.ca
- call us at 506-447-3363 Monday to Friday, 8:30am to 4:30pm

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About this Codebook

This data product is provided 'as is,' and NB-IRDT makes no warranty, either express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. In no event will NB-IRDT be liable for any direct, special, indirect, consequential or other damages, however caused.

Due to the operational nature of administrative data sets, there is potential for discrepancies between the names of variables and their corresponding definitions. In the case of such a discrepancy, the variable definition should be considered the most accurate representation.

Overview

Vitalite Perinatal data are data from the New Brunswick Perinatal Health Program. The provincial program works directly with all health care providers in the province to promote excellence in the provision of perinatal care.

Sample Universe

Pregnant women who went to Vitalite Health facility during the pregnancy.

Date Range

2015-01-05 to 2022-12-21

Data Source

PerinatalNB

How to Cite this Codebook

New Brunswick Institute for Research, Data and Training. (2023). Vitalite Perinatal Data V06 Codebook. Fredericton, NB: New Brunswick Institute for Research, Data and Training.

Acknowledgements

The V06 Database is used with the permission of Vitalite Health Network.

About this Product

Purpose of the Product

The purpose of the V06 Database Codebook is to provide information on the linkable New Brunswick Vitalite Perinatal data held at the New Brunswick Institute for Research, Data and Training (NB-IRDT). This data is accessible to researchers for relevant research areas like perinatal care, public health, trauma related, etc.) research.

Definitions and Concepts

Maternal – represents all live deliveries.

Newborn – represents all liver births.

Abortion – represents all abortions that required intervention (does not include miscarriages where no intervention such as D&C is required, etc).

Stillbirths – represents all Stillbirths (i.e. infants born ≥ 20 weeks gestational age with no signs of life.

Content

Vitalite Perinatal Codebook contains 4 tables with 119 variables total.

General Methodology

The Neonatal Withdrawal Present field was to capture if any scoring tool to determine neonatal withdrawal was present on the infant's chart. The Withdrawal Treatment field was to capture how the infant was treated for neonatal withdrawal from maternal drugs. These fields were added in 2021, but after collection for 2 years it was found that these fields were not reflective of what was trying to be captured. Use of these fields is not recommended, and they will not be captured in the dataset after the end of the 2022/23 fiscal.

Limitations

- All newborns and stillborns have been matched to a maternal delivery or abortion, except for those where the delivery occurred outside of hospital (i.e. on the way to hospital, or within the emergency room). All home births with a registered midwife are included in the delivery dataset.
- Any field with multiple columns are multiselect fields and can have more than one response per person or infant, and have been separated out to ensure one line of data per patient.
- The perinatal chapter has undergone a number of changes since its implementation in 2016 with a number of new fields added in 2019 such as

Method of Conception, Pregnancy on contraceptive, Pre-Pregnancy Marijuana Use, Pregnancy Marijuana Use, Pregnancy Marijuana Use Intake, Group B Strep, Indication for Caesarean, VBAC eligibility, PROM, and Presentation of Fetus.

- With the addition of the separate marijuana use fields, this information was pulled out of the Substance Use field. Prior to April 2019 marijuana use in pregnancy can be determined from the Substance Use field, where it was coded as 3.
- The COVID vaccine field was added in January 2021, while the COVID in pregnancy field was added in April 2022.
- The Project 400 fields are capturing data collected on the provincial Infant Feeding Data Collection Form. This form was updated in 2019, and the fields will represent different questions for infants discharged prior to November 1, 2019. Please see below what the fields represents from April 1, 2016, to October 31, 2019, and then from November 1, 2019 onwards.

Project 400 Fields for discharges between April 1, 2016 and October 31, 2019

Field 1 – Was the baby placed in uninterrupted skin-to-skin contact immediately after birth for at least 1 hour with his or her mother

Responses: 1 – Yes, 2 – No

Field 2 – What did the newborn receive at the first feeding after birth (or first attempt to feed)?

Responses: 1 – Breastmilk (directly or expressed/donor milk), 2 – Infant formula, 3 – the newborn was not fed in this facility (transferred prior to first feed or neonatal death)

Field 3 – What did the newborn receive from birth to discharge/transfer from your hospital

Responses: 1 – Breastmilk only (directly or expressed/donor milk), 2 – Breastmilk and other liquids (formula, water or other fluids), 3 – Infant formula only

Field 3a/4 – Did the infant experience any of the following medical conditions

Responses: 1 – Yes, 2 – No

Field 5 – Did the mother experience any of the following medical conditions

Responses: 1 – Yes, 2 – No

Project 400 Fields for discharges from November 1, 2019 onwards

Field 1 – Was the baby placed in uninterrupted skin-to-skin contact immediately after birth for at least 1 hour with his or her mother

Responses: 1 – Yes, 2 – No, 3 – The infant was not born in this facility

Field 2 – Did the newborn receive any breastmilk during the hospital stay

Responses: 1 – Yes, 2 – No, 3 – the newborn was not fed in this facility (transferred prior to first feed or neonatal death)

Field 3 – What did the newborn receive from birth to discharge/transfer from your hospital

Responses: 1 – Breastmilk only (directly or expressed/donor milk), 2 – Breastmilk and other liquids (formula, water or other fluids), 3 – Infant formula only

Field 3a/4 – Was the newborn still receiving breastmilk at discharge/transfer

Responses: 1 – Yes, 2 – No

Field 5 – Did the newborn/mother experience any of the following medical conditions

Responses: 1 – Yes, 2 – No

Comparison to Other Products/Versions

N/A

Using with Other Products

N/A

Record Layouts and Data Descriptions

Overview

#	Name	Unit of Observation	Variables
1	Maternal Data	Pregnant NB Residents	91
2	Newborn	Pregnant NB Residents	19
3	Abortion	Pregnant NB Residents	6
4	Stillbirth	Pregnant NB Residents	3

Maternal Data

#	Name	Label	Type
1	MaternalID	Maternal ID	Char
2	BabyID	Baby ID	Char
3	PregOut1	Preg Out 1	Num
4	PregOut2	Preg Out 2	Num
5	PregOut3	Preg Out 3	Num
6	TermPregCA	Term Preg CA	Num
7	NumBaby	Num Baby	Num
8	WorkStatus	Work Status	Num
9	MotherEducation	Mother Education	Num
10	MotherEthnicity1	Mother Ethnicity 1	Num
11	MotherEthnicity2	Mother Ethnicity 2	Num
12	MaritalStatus	Marital Status	Num
13	FathPartEdu	Father Part Education	Num
14	FatherWorkStatus	Father Work Status	Num
15	SmokedBefore	Smoked Before	Char
16	NumSmokedBefore	Num Smoked Before	Num
17	CurSmoking	Currently Smoking	Char
18	NumCurSmoking	Num Currently Smoking	Num
19	SmokingDelivery	Smoking Delivery	Char
20	NumSmokingDelivery	Num Smoking Delivery	Num
21	SecondHandExp	Second Hand Experience	Char
22	AlcoholBefore	Alcohol Before	Char
23	AlcoholIntakeBefore	Alcohol Intake Before	Char
24	AlcoholDuring	Alcohol During	Char
25	AlcoholIntakeDuring	Alcohol Intake During	Char
26	PrePregMarijuana	Pre Preg Marijuana	Char
27	PregMarijuana	Preg Marijuana	Char
28	PregMarijuanaIntake	Preg Marijuana Intake	Num
29	Substance1	Substance 1	Num
30	Substance2	Substance 2	Num
31	Substance3	Substance 3	Num
32	Substance4	Substance 4	Num
33	FolicAcid	Folic Acid	Char
34	PregonContraception	Pregon Contraception	Char
35	MethodConception	Method Conception	Num

36	Gravida	Gravida	Num
37	Parity	Parity	Num
38	PrevTermBirths	Prev Term Births	Num
39	PrevPretermBirths	Prev Preterm Births	Num
40	PrevSA	Prev SA	Num
41	PrevTA	Prev TA	Num
42	PrevSB	Prev SB	Num
43	PrevNND	Prev NND	Num
44	PrevCS	Prev CS	Num
45	AntenatalProvider	Antenatal Provider	Num
46	IntentBreastfeed	Intent Breastfeed	Char
47	Amniocentesis	Amniocentesis	Char
48	CVS	CVS	Char
49	MaternalSerumScreening	MaternalSerumScreening	Num
50	PreexistingDiabetes	PreexistingDiabetes	Char
51	PreexistingDiabInsulin	PreexistingDiabInsulin	Char
52	GestDiabetes	Gest Diabetes	Char
53	GestDiabetesInsulin	Gest Diabetes Insulin	Char
54	UTI	UTI	Char
55	Anemia	Anemia	Char
56	PreExistHypertension	Pre Exist Hypertension	Char
57	GestHypertension	Gest Hypertension	Char
58	Preeclampsia	Preeclampsia	Char
59	GBSResults	GBSResults	Num
60	COVIDinPregnancy	COVID in Pregnancy	Char
61	COVIDVaccine	COVID Vaccine	Char
62	HeighCM	Height CM	Num
63	HeighIN	Height IN	Num
64	PrePregWtkg	Pre Preg Weight Kg	Num
65	PrePregWtlbs	Pre Preg Weight Lbs	Num
66	PreDelWtkg	Pre Del Weight Kg	Num
67	PreDelWtlbs	Pre Del Wt Lbs	Num
68	TypeLabour	Type Labour	Num
69	IndicationInduction	Indication Induction	Num
70	Oxytocin	Oxytocin	Char
71	Prostaglandin	Prostaglandin	Char
72	Spontaneous	Spontaneous	Char
73	ARMrupture	ARM Rupture	Char
74	TocoliticsAdmin	Tocolitics Admin	Char
75	AntenatalSteroids	Antenatal Steroids	Num
76	FHRMonitor	FHR Monitor	Num
77	CaregiverDel	Caregiver Del	Num
78	ModeDel1	Mode Del 1	Char
79	ModeDel2	Mode Del 2	Char
80	IndicationCS	Indication CS	Num
81	VBACEligibility	VBAC Eligibility	Char

82	PROM	PROM	Num
83	PainManagement1	Pain Management 1	Num
84	PainManagement2	Pain Management 2	Num
85	PainManagement3	Pain Management 3	Num
86	PainManagement4	Pain Management 4	Num
87	newFirstAntenatalVisit	First Antenatal Visit	Num
88	newFirstUSDate	First US Date	Num
89	newEDDLMP	EDDLMP	Num
90	newEDDUS	EDDUS	Num
91	newRuptureDate	Rupture Date	Num

BabyID

BabyID

PregOut1

Refers to pregnancy outcome.

Code	Description - English
1	Live birth
2	Fetal death > = 20 weeks gestation (stillbirth)
4	Unknown/ missing value

PregOut2

Refers to pregnancy outcome.

Code	Description - English
1	Live birth
2	Fetal death > = 20 weeks gestation (stillbirth)
3	Fetal death < 20 weeks gestation (miscarriage, abortion)

PregOut3

Refers to pregnancy outcome.

TermPregCA

Term pregnancy.

NumBaby

Number of babies at birth or term.

Code	Description - English
1	Singleton
2	Twins
7	Unknown

WorkStatus

Refers to mother's work status.

Code	Description - English
1	Refers to mother's work status
2	No (Home, student, social assistance or volunteer/unemployed)
3	Part time (less than or equal to 28h per week)
4	Full time (greater than 28h per week)
5	Unknown

MotherEducation

Refers to mother's education.

Code	Description - English
1	Without High School Diploma
2	High School with Diploma
3	Current post-secondary (includes working on college or university completion)
4	College or Trade Certification
5	University with a degree
9	Unknown

MotherEthnicity1

Refers to mother's ethnicity and/or racial background.

This will help to determine congenital anomalies related to certain population of interest.

Code	Description - English
1	
2	African-Descent
3	Asian
4	Caucasian
5	First Nations
6	Hispanic
8	Mediterranean
9	Middle Eastern
10	Other
11	Unknown
12	French Canadian
13	African-Descent

MotherEthnicity2

Refers to mother's ethnicity and/or racial background. This will help to determine congenital anomalies related to certain population of interest.

Code	Description - English
------	-----------------------

2	African-Descent
3	Asian
4	Caucasian
5	First Nations
6	Hispanic
11	Other
12	Unknown
13	French Canadian

MaritalStatus

Refers to the mother's marital status.

Code	Description - English
1	Single
2	Married
3	Widowed
4	Divorced
5	Separated
6	Common Law
9	Unknown

FathPartEdu

Refers to fathers' education.

Code	Description - English
1	Without High School Diploma
2	High School with Diploma
3	Current post-secondary (includes working on college or university completion)
4	College or Trade Certification
5	Without High School Diploma
9	

FatherWorkStatus

Refers to fathers' work status.

Code	Description - English
1	No (Home, student, social assistance or volunteer/unemployed)
2	Part time (less than or equal to 28h per week)
3	Full time (greater than 28h per week)
4	Unknown
5	Employed, not indicated whether full time or part time

SmokedBefore

Refers to smoking prior to pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

NumSmokedBefore

Refers to number of cigarettes smoked per day prior to pregnancy.

Code	Description - English
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
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
24	24
25	25
26	26
30	30
34	34
35	35
38	38
40	40
43	43
50	50

99 Unknown

999

CurSmoking

Refers to smoking at any time during the prenatal period.

Code	Description - English
N	No
U	Unknown
Y	Yes

NumCurSmoking

Refers to number of cigarettes smoked per day.

Code	Description - English
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
15	15
17	17
18	18
19	19
20	20
21	21
24	24
25	25
35	35
51	51
99	Unknown
999	

SmokingDelivery

Refers to smoking at time of admission to hospital for delivery.

Code	Description - English
N	No
U	Unknown
Y	Yes

NumSmokingDelivery

Refers to number of cigarettes smoked per day.

Code	Description - English
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
14	14
15	15
16	16
20	20
25	25
29	29
35	35
50	50
99	Unknown
999	

SecondHandExp

Refers to exposure to secondhand smoke during pregnancy. This includes if the mother is living with a smoker who smokes inside the house, or in a vehicle. This excludes smoking inside the garage, whether attached or detached, or smoking outside.

Code	Description - English
N	No
U	Unknown
Y	Yes

AlcoholBefore

Refers to use of alcohol before pregnancy or before knowing she is pregnant.

Code	Description - English
N	No
U	Unknown
Y	Yes

AlcoholIntakeBefore

Refers to the maximum alcoholic drinks prior to pregnancy.

Code	Description - English
0	No drinks
1	1 drink / per day
2	2 drinks / per day
3	3 drinks / per day
4	4 + drinks / per day
5	1 - 2 drinks / per week
6	3 - 4 drinks / per week
7	1 - 2 drinks / per month
8	3 - 4 drinks / per month
9	Other
10	Unknown
U	No drinks

AlcoholDuring

Refers to use of alcohol during pregnancy. After the patient knew she is pregnant, did she consume any alcohol.

Code	Description - English
N	No
U	Unknown
Y	Yes

AlcoholIntakeDuring

Refers to the maximum alcoholic drinks during pregnancy.

Code	Description - English
0	No drinks
1	1 drink / per day
2	2 drinks / per day
3	3 drinks / per day
4	4 + drinks / per day
6	3 - 4 drinks / per week

7	1 - 2 drinks / per month
8	3 - 4 drinks / per month
U	Unknown

PrePregMarijuanaa

Refers to Marijuana use prior to pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

PregMarijuana

Refers to Marijuana use during pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

PregMarijuanaIntake

Refers to the amount of marijuana consumed by usage.

Code	Description - English
1	No usage
2	1 use / per day
3	2 uses / per day
4	3 uses / per day
5	4 + uses / per day
6	1 - 2 uses / per week
7	3 - 4 uses / per week
8	1 - 2 uses / per month
10	Other
11	Unknown

Substance1

Refers to any substance use during pregnancy (Up to 6 different substances can be entered in 3M).

Code	Description - English
1	
2	
3	
4	Methadone
5	Solvents

6	Other
7	Unknown
8	None
9	Opiates
10	Vaping

Substance2

Refers to any substance use during pregnancy (Up to 6 different substances can be entered in 3M).

Code	Description - English
1	
3	
4	Methadone
6	Other
7	Unknown
8	None
9	Opiates
10	Vaping

Substance3

Refers to any substance use during pregnancy (Up to 6 different substances can be entered in 3M).

Code	Description - English
1	
3	
6	Other
7	Unknown
8	None

Substance4

Refers to any substance use during pregnancy (Up to 6 different substances can be entered in 3M).

Code	Description - English
8	None

FolicAcid

Refers to consumption of preconceptual folic acid.

Code	Description - English
N	No
U	Unknown
Y	Yes

PregonContraception

Refers to if patient became pregnant while taking a contraceptive.

Code	Description - English
N	No
U	Unknown
Y	Yes

MethodConception

Refers to how the pregnancy was achieved.

Code	Description - English
1	Spontaneous
2	OI
3	IUI – Inter Uterine Insemination
4	IVF – Invitro Fertilization
5	ICSI
6	Unknown

Gravida

The total number of times the patient has been pregnant, including this pregnancy.
Multiples are counted as one.

Code	Description - English
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
14	14
15	15
16	16
17	17
19	19
20	20
36	36
41	41

43	43
83	83
99	Unknown

Parity

The number of pregnancies, excluding the present pregnancy, which resulted in one or more infants > 20 weeks gestation (regardless of whether the infants were stillborn, died after birth or lived). Multiples are counted as one.

Code	Description - English
0	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
99	Unknown

PrevTermBirths

Refers to a infant who is born at 37 weeks gestation or more. Multiple births delivered during the same episode count as one delivery.

Code	Description - English
0	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
99	Unknown

PrevPretermBirths

Refers to an infant who is born between 20 - 36 completed weeks Multiple births delivered during the same episode count as one delivery.

Code	Description - English
0	
1	1
2	2
3	3
99	Unknown

PrevSA

Number of prior pregnancies ending in a spontaneous abortion prior to 20 weeks gestation. This includes missed abortions, miscarriages, ectopic pregnancies, any termination of a non-viable fetus.

Code	Description - English
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
13	13
99	Unknown

PrevTA

Number of prior pregnancies ending in a therapeutic abortion. Number of previous therapeutic abortions. This includes unwanted pregnancies and terminations of pregnancies.

Code	Description - English
1	1
2	2
3	3
4	4
5	5
99	Unknown

PrevSB

A fetus > 20 weeks gestation in which there is no breathing, beating of the heart, pulsation of the umbilical cord or no signs of life.

Code	Description - English
0	0
1	1
2	2
99	Unknown

PrevNND

Death which occurs during the first 28 completed days of life.

Code	Description - English
0	0
1	1
2	2
3	3
99	Unknown

PrevCS

Number of previous C-sections.

Code	Description - English
0	0
1	1
2	2
3	3
4	4
99	Unknown

AntenatalProvider

Refers to the individual most responsible for antenatal care.

Code	Description - English
1	
2	Obstetrician
4	Midwife
5	Other MD (Includes Residents/interns)
6	Registered Nurse
8	No Antenatal care
9	Unknown
10	Family practice physician/ General Practitioner
11	Nurse Practitioner

FirstAntenatalVisit

Refers to the first prenatal visit with a healthcare provider.

IntentBreastfeed

Refers to if the woman intends to breastfeed on admission and/or before delivery.

Code	Description - English
N	No
U	Unknown
Y	Yes

FirstUSDate

Date of first Ultrasound.

EDDLMP

Estimated delivery date according to last menstrual period (LMP).

EDDUS

Estimated delivery date according to Ultrasound.

Amniocentesis

Refers to whether or nor Amniocentesis was performed.

Code	Description - English
N	No
U	Unknown
Y	Yes

CVS

Refers to if the woman had a chorionic villus sampling.

Code	Description - English
N	No
U	Unknown
Y	Yes

MaternalSerumScreening

Refers to if the woman accepted or declined the MSS testing. Also known as QUAD screening, Prenatal Screening, Maternal Screening, Trisomy Screening.

Code	Description - English
1	Y- Accepted
2	N-Declined
3	U-Unknown

PreexistingDiabetes

Refers to if the woman had Diabetes prior to pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

PreexistingDiabInsulin

Refers to if the woman used Insulin prior to pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

GestDiabetes

Refers to diabetes related to pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

GestDiabetesInsulin

Refers to the need of insulin during pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

UTI

Refers to a UTI that was or is present during the current pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

Anemia

If the condition was or is present at any time point during the current pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

PreExistHypertension

Refers to high blood pressure that was present before the pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

GestHypertension

Refers to pregnancy induced high blood pressure.

Code	Description - English
N	No
U	Unknown
Y	Yes

Preeclampsia

Refers to high blood pressure in pregnant woman with protein in urine.

Code	Description - English
N	No
U	Unknown
Y	Yes

GBSResults

Refers to if the patient is Strep B positive, negative or if they declined testing.

Code	Description - English
1	Positive
2	Negative
3	Declined
9	Unknown

COVIDinPregnancy

If the condition was or is present at any time point during the current pregnancy.

Code	Description - English
N	No
U	Unknown
Y	Yes

COVIDVaccine

Refers to the patient receiving the Covid-19 vaccination.

Code	Description - English
N	No

U	Unknown
Y	Yes

HeighCM

Refers to the mother's height in centimetres.

HeighIN

Refers to the mother's height in inches.

PrePregWtkg

Refers to the mother's pre-pregnancy weight in kgs.

PrePregWtlbs

Refers to the mother's pre-pregnancy weight in pounds.

PreDelWtkg

Refers to mother's weight just before delivery in kilograms.

PreDelWtlbs

Refers to mother's weight just before delivery in pounds.

TypeLabour

Type of Labour.

Code	Description - English
1	Spontaneous
2	Induced
3	No Labour

IndicationInduction

Refers to the reason why the woman was induced.

Code	Description - English
1	Post dates
2	SROM (spontaneous rupture of membranes)
3	Decreased Amniotic Fluid
4	Hypertension - PIH (Pregnancy induced hypertension)
5	IDDM/ GDM (Diabetes)
6	IUGR / No growth
7	Twin/ Multiples
8	PUPP/ Cholestatic Jaundice
9	Thrombocytopenia
10	Previous stillbirth/ poor OBS History
13	Macrosomia
15	Social/Geographic

16	Other
17	No indications given
18	Eclampsia / Preeclampsia
19	Positive Group B Strep with Rupture of Membranes
20	Intrauterine Death
21	Fetal Anomaly
22	Low planning Score/ Fetal Distress
23	Previous Fetal Death
24	Advanced Maternal Age
25	Vaginal Bleeding/ Abruption
26	Polyhydramnios
27	History of Precipitate labour
28	Isoimmunisation
29	PROM with Chorioamnionitis
30	PROM without Chorioamnionitis

Oxytocin

Refers to if the woman was given IV oxytocin to induce labour.

Code	Description - English
N	No
U	Unknown
Y	Yes

Prostaglandin

Refers to if the woman was given intra-vaginal/intra-cervical.

Code	Description - English
N	No
U	Unknown
Y	Yes

RuptureDateTime

Rupture Date & Time.

Spontaneous

Refers to if the rupture of membranes was spontaneous.

Code	Description - English
N	No
U	Unknown
Y	Yes

ARMrupture

Refers to if the membranes were artificially ruptured.

Code	Description - English
N	No
U	Unknown
Y	Yes

TocoliticsAdmin

Refers to medication used to suppress premature labour.

Code	Description - English
N	No
U	Unknown
Y	Yes

AntenatalSteroids

Refers to any prenatal steroids given to women at risk of a premature birth.

Code	Description - English
1	One complete course
2	One incomplete course
3	None

FHRMonitor

Refers to the method of fetal surveillance used during monitoring of the labour.

Code	Description - English
1	
2	
3	
4	Intermittent Auscultation (IA)
5	Continuous External Monitoring
6	Continuous Internal Monitoring

CaregiverDel

Refers to the healthcare provider most responsible for the woman's care at delivery.

Code	Description - English
1	
2	Obstetrician
4	Midwife
5	Other (Includes Interns/Residents)
6	Registered Nurse
10	Family practice physician/ General Practitioner

ModeDel1

Refers to the mode of delivery used to deliver the baby(ies).

Code	Description - English
CSC	C-section / hysterectomy
CST	C-section, classical incision (vertical incision in the body of the uterus)
CSU	C-section, type unknown
CSV	C-section, vertical incision
CWI	Vaginal
LVS	Vaginal with instrumentation
VAG	C-section with instrumentation
VAG-INST	C-section combined transverse and vertical incision-inverted T / J incision

ModeDel2

Refers to the mode of delivery used to deliver the baby(ies).

Code	Description - English
CST	C-section, classical incision (vertical incision in the body of the uterus)
VAG	C-section with instrumentation
VAG-INST	C-section combined transverse and vertical incision-inverted T / J incision

IndicationCS

Refers to the reason why the patient received a caesarean.

Code	Description - English
1	Advanced Maternal Age
2	Abruptio placenta
3	Breech
4	Transverse lie
5	Diabetes
6	Dystocia (includes Cephalopelvic disproportion, cervical stenosis)
7	Failed Induction
8	Failure to progress
9	Fetal Distress
10	Fetal Growth restriction
12	HIV
13	Maternal herpes simplex infection
14	
15	Hypertensive disorders
16	Isoimmunization
17	Macrosomia suspected
18	Maternal choice (excludes due to previous c-section)

19	Maternal Exhaustion
20	Malpresentation (excluded breech and transverse lie)
21	Multiple pregnancy
22	Other Obstetrical conditions
23	Other Fetal conditions
24	Previous c-section
25	Prolapse cord
26	Placenta Previa
27	Previous traumatic delivery (3rd + 4th degree tear)
28	Prolonged ruptured of membranes >18hr
29	Prolonged ruptured of membranes >24hr
31	Suspected/imminent uterine rupture
32	
33	Diseases of the cervix
99	Uterine surgery

VBACEligibility

Refers to if patient is eligible for a VBAC (vaginal birth after caesarean).

Code	Description - English
N	No
U	Unknown
Y	Yes

PROM

Refers to Premature Rupture of Membranes.

Code	Description - English
1	No
2	>18hr
3	>24hr

PainManagement1

Refers to any anesthesia given to the woman for pain management during the total phase of labour and delivery (up to a maximum of 4 different pain management methods can be selected).

Code	Description - English
1	None
2	Local
3	Pudendal
4	Entonox
5	Epidural
6	Spinal
7	General

8	Narcotics (includes Fentanyl/Versed)
9	Other

PainManagement2

Refers to any anesthesia given to the woman for pain management during the total phase of labour and delivery (up to a maximum of 4 different pain management methods can be selected).

Code	Description - English
1	None
2	Local
3	Pudendal
4	Entonox
5	Epidural
6	Spinal
7	General
8	Narcotics (includes Fentanyl/Versed)
9	Other

PainManagement3

Refers to any anesthesia given to the woman for pain management during the total phase of labour and delivery (up to a maximum of 4 different pain management methods can be selected).

Code	Description - English
1	None
2	Local
3	Pudendal
4	Entonox
5	Epidural
6	Spinal
7	General
8	Narcotics (includes Fentanyl/Versed)
9	Other

PainManagement4

Refers to any anesthesia given to the woman for pain management during the total phase of labour and delivery (up to a maximum of 4 different pain management methods can be selected).

Code	Description - English
2	Local
3	Pudendal
4	Entonox
5	Epidural

6	Spinal
7	General
8	Narcotics (includes Fentanyl/Versed)
9	Other

Newborn Data

#	Name	Label	Type
1	BabyID	BabyID	Char
2	MaternalID	MaternalID	Char
3	PresentationFetus	PresentationFetus	Num
4	PlaceBirth	PlaceBirth	Num
5	GestationalAge	GestationalAge	Num
6	GestationalMethod	GestationalMethod	Num
7	NeonatalAssessment	NeonatalAssessment	Num
8	BirthLength	BirthLength	Num
9	HeadCircum	HeadCircum	Num
10	Apgar1min	Apgar1min	Num
11	Apgar5min	Apgar5min	Num
12	ResuscitateBagMask	ResuscitateBagMask	Char
13	AdmSCU	AdmSCU	Char
14	NeoWithdrawalPres	NeoWithdrawalPres	Char
15	WithdrawalTreat	WithdrawalTreat	Num
16	Proj400Field1	Proj400Field1	Num
17	Proj400Field2	Proj400Field2	Num
18	Proj400Field3	Proj400Field3	Num
19	Proj400Field3a4	Proj400Field3a4	Num
20	Proj400Field5	Proj400Field5	Num

BabyID

BabyID

MaternalID

MaternalID

PresentationFetus

Refers to presentation of the fetus.

Code	Description - English
1	Breech
2	Brow
3	Compound presentation
4	Face
5	Frank breech
6	Footling breech
7	Persistent occiput posterior (ROP,LOP, OP)

8	Shoulder presentation
9	Vertex (Cephalic, LOA, ROA, OT ,ROT, LOT, OA, Transverse)
99	Unknown

PlaceBirth

Refers to the place of birth the baby was born.

Code	Description - English
1	Clinic/Doctors office
2	Free Standing Birth Center
3	Hospital
4	In transport
5	Other
6	Residence

GestationalAge

Gestational age.

Code	Description - English
200	20 weeks
214	21 weeks 4 days
215	21 weeks 5 days
216	21 weeks 6 days
222	22 weeks 2 days
231	23 weeks 1 days
232	23 weeks 2 days
283	28 weeks 3 days
284	28 weeks 4 days
294	29 weeks 4 days
295	29 weeks 5 days
300	30 weeks 0 days
301	30 weeks 1 days
305	30 weeks 5 days
306	30 weeks 6 days
313	31 weeks 3 days
315	31 weeks 5 days
316	31 weeks 6 days
320	32 weeks 0 days
322	32 weeks 2 days
323	32 weeks 3 days
324	32 weeks 4 days
325	32 weeks 5 days
326	32 weeks 6 days
330	33 weeks 0 days

331	33 weeks 1 days
332	33 weeks 2 days
333	33 weeks 3 days
334	33 weeks 4 days
335	33 weeks 5 days
336	33 weeks 6 days
339	33 weeks 9 days
340	34 weeks 0 days
341	34 weeks 1 days
342	34 weeks 2 days
343	34 weeks 3 days
344	34 weeks 4 days
345	34 weeks 5 days
346	34 weeks 6 days
350	35 weeks 0 days
351	35 weeks 1 days
352	35 weeks 2 days
353	35 weeks 3 days
354	35 weeks 4 days
355	35 weeks 5 days
356	35 weeks 6 days
360	36 weeks 0 days
361	36 weeks 1 days
362	36 weeks 2 days
363	36 weeks 3 days
364	36 week 4 days
365	36 weeks 5 days
366	36 weeks 6 days
369	36 weeks 9 days
370	37 weeks 0 days
371	37 weeks 1 days
372	37 weeks 2 days
373	37 weeks 3 days
374	37 weeks 4 days
375	37 weeks 5 days
376	37 weeks 6 days
380	38 weeks 0 days
381	38 weeks 1 days
382	38 weeks 2 days
383	38 weeks 3 days
384	38 weeks 4 days

385	38 weeks 5 days
386	38 weeks 6 days
389	38 weeks 9 days
390	39 weeks 0 days
391	39 weeks 1 days
392	39 weeks 2 days
393	39 weeks 3 days
394	39 weeks 4 days
395	39 weeks 5 days
396	39 weeks 6 days
400	40 weeks 0 days
401	40 weeks 1 days
402	40 weeks 2 days
403	40 weeks 3 days
404	40 weeks 4 days
405	40 weeks 5 days
406	40 weeks 6 days
409	40 weeks 9 days
410	40 weeks 10 days
411	41 weeks 11 days
412	41 weeks 2 days
413	41 weeks 3 days
414	41 weeks 4 days
415	41 weeks 5 days
416	41 weeks 6 days
420	42 weeks 0 days
424	42 weeks 4 days
440	44 weeks 0 days
999	Unknown

GestationalMethod

Refers to what method was used to determine the Estimated Date of Delivery (EDD).

Code	Description - English
1	Last Menstrual Period
2	Ultrasound
3	Artificial Insemination
4	Unknown

NeonatalAssessment

Neonatal Assessment.

Code	Description - English
1	

5	5 weeks
20	20 weeks
30	30 weeks
34	34 weeks
35	35 weeks
36	36 weeks
37	37 weeks
38	38 weeks
39	39 weeks
40	40 weeks
41	41 weeks
42	42 weeks
71	7 weeks 1 day
74	7 weeks 4 days
93	9 weeks 3 days
99	Unknown
102	10 weeks 2 days
115	11 weeks 5 days
192	19 weeks 2 days
195	19 weeks 5 days
196	19 weeks 6 days
201	20 weeks 1 day
205	20 weeks 5 days
206	20 weeks 6 days
211	21 weeks 1 day
214	21 weeks 4 days
221	22 weeks 1 day
272	27 weeks 2 days
295	29 weeks 5 days
301	30 weeks 1 day
305	30 weeks 5 days
306	30 weeks 6 days
313	31 weeks 3 days
314	31 weeks 4 days
315	31 weeks 5 days
316	31 weeks 6 days
322	32 weeks 2 days
330	33 weeks
331	33 weeks 1 day
332	33 weeks 2 days
333	33 weeks 3 days

334	33 weeks 4 days
335	33 weeks 5 days
336	33 weeks 6 days
339	33 weeks
340	34 weeks
341	34 weeks 1 day
342	34 weeks 2 days
343	34 weeks 3 days
344	34 weeks 4 days
345	34 weeks 5 days
346	34 weeks 6 days
350	35 weeks
351	35 weeks 1 day
352	35 weeks 2 days
353	35 weeks 3 days
354	35 weeks 4 days
355	35 weeks 5 days
356	35 weeks 6 days
360	36 weeks
361	36 weeks 1 day
362	36 weeks 2 days
363	36 weeks 3 days
364	36 weeks 4 days
365	36 weeks 5 days
366	36 weeks 6 days
369	36 weeks
370	37 weeks
371	37 weeks 1 day
372	37 weeks 2 days
373	37 weeks 3 days
374	37 weeks 4 days
375	37 weeks 5 days
376	37 weeks 6 days
380	38 weeks
381	38 weeks 1 day
382	38 weeks 2 days
383	38 weeks 3 days
384	38 weeks 4 days
385	38 weeks 5 days
386	38 weeks 6 days
389	38 weeks

390	39 weeks
391	39 weeks 1 day
392	39 weeks 2 days
393	39 weeks 3 days
394	39 weeks 4 days
395	39 weeks 5 days
396	39 weeks 6 days
400	40 weeks
401	40 weeks 1 day
402	40 weeks 2 days
403	40 weeks 3 days
404	40 weeks 4 days
405	40 weeks 5 days
406	40 weeks 6 days
409	40 weeks
410	41 weeks
411	41 weeks 1 day
412	41 weeks 2 days
413	41 weeks 3 days
414	41 weeks 4 days
415	41 weeks 5 days
416	41 weeks 6 days
424	42 weeks 4 days
999	Unknown
3858	
3904	
3956	
4100	
4123	

BirthLength

Birth Length in centimeters.

HeadCircum

This refers to the birth head circumference in centimeters.

Apgar1min

Apgar score (1min).

Apgar5min

Apgar score (5min).

ResuscitateBagMask

This includes ventilation with bag and mask, CPAP, or any non-invasive PPV (Positive Pressure Ventilation).

Code	Description - English
Y	Yes
N	No
U	Unknown

AdmSCU

AdmSCU

Code	Description - English
N	No
Y	Yes

NeoWithdrawalPres

Neonatal withdrawal presentation.

Code	Description - English
Y	Yes
N	No
U	Unknown

WithdrawalTreat

Withdrawal treatment.

Code	Description - English
1	Medication
2	Medication and Non-Pharm care
3	Non-Pharm Care
4	None
5	Unknown

Proj400Field1

Was the baby placed in UNINTERRUPTED skin to skin contact IMMEDIATELY after birth for at LEAST 1 HOUR with his or her MOTHER?

Code	Description - English
1	Yes
2	No

Proj400Field2

Did the newborn receive any breastmilk during the hospital stay?

Code	Description - English
1	Yes
2	No

3 The infant was not fed in this facility - transferred to another facility or neonatal death (if 3 is selected, questions 3, 4 and 5 are left blank)

Proj400Field3

What did the newborn receive FROM BIRTH TO DISCHARGE/TRANSFER from your hospital?

Code	Description - English
1	Breastmilk only
2	Breastmilk and other liquid(s)
3	Infant formula only (if infant formula only, question 4 is left blank)

Proj400Field3a4

Was the newborn still receiving breastmilk at discharge/transfer?

Code	Description - English
1	Yes
2	No
3	

Proj400Field5

Did the newborn/mother have any of the following medical conditions?

Newborn Conditions

- Birth weight less than 1500g
- Gestational age less than 32 weeks
- Hypoglycemia due to impaired metabolic adaptation or increased glucose demand
- Significant weight loss in presence of clinical indicators
- Clinical indication of insufficient milk intake
- Metabolic disorder

Maternal Conditions

- Severe illness (e.g. sepsis)
- HIV positive test results
- Herpes simplex virus type 1 with lesions on the breast
- Maternal medications that are a contraindication to breastfeed

Code	Description - English
1	Yes
2	No`
3	
5	

Abortion Data

#	Name	Label	Type
1	MaternalID	MaternalID	Char
2	BabyID	BabyID	Char
3	PregOut1	PregOut1	Num

4	PregOut2	PregOut2	Char
5	TermPregCA	TermPregCA	Char
6	NumBaby	NumBaby	Num

MaternalID

MaternalID.

BabyID

BabyID.

PregOut1

Refers to pregnancy outcome.

Code	Description - English
2	Fetal death > = 20 weeks gestation (stillbirth)
3	Fetal death < 20 weeks gestation (miscarriage, abortion)
4	Unknown/ missing value

PregOut2

Refers to pregnancy outcome.

TermPregCA

Termination of pregnancy.

Code	Description - English
N	No
Y	Yes

NumBaby

NumBaby.

Code	Description - English
1	Single
2	Twins
7	Unknown

Stillbirth Data

#	Name	Label	Type
1	StillbirthID	StillbirthID	Char
2	MaternalID	MaternalID	Char
3	Stillborn	Stillborn	Num

StillbirthID

StillbirthID

MaternalID

MaternalID

Stillborn

Stillborn type.

Code	Description - English
1	Death before Labour onset
2	Death during Delivery/Labour

Document History

Version	Author	Nature of Change	Date
1.0	NB-IRDT Staff	Creation of Document	October 2023
Approved by		Approval Date	Review Date
NB-IRDT Staff		October 2023	