



Government of **Western Australia**
Department of **Health**

Midwives' Notification System Interface Specification

Health Statistical Events Common Store

Feeder File "N1"

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What's new in this version?	<p>This version 2.3 of this document adds a value for reporting coronavirus infection in pregnant or labouring women. The item highlighted in yellow is for reporting coronavirus infection in pregnant or labouring women.</p> <p>The version of this N1 specification document published in January 2019 incorporated two new data items and updated two data items from the M9 version.</p> <p>This N1 specification is for use for notifying births that occurred from 1st July 2019.</p> <p>All changes introduced in Feeder File version "N1" are no longer highlighted.</p>
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Contents

Health Statistical Events Common Store	1
Feeder File “N1”	1
Overview	4
Background	4
HSECS	4
Data elements	4
Timing of transfers	4
Updates/Corrections	4
Frequency of Submission	4
Interface FILE Definition	5
Data interface file name	5
Linking Record Structures	6
Single Birth	6
Multiple Birth	7
Midwives Notification - Delivery (Mothers’ fields)	9
Notes on data to be reported in positions 723 to 726	21
Table Notes	21
Midwives Notification – Medical Conditions of mother	22
Midwives Notification – Pregnancy Complications of mother	24
Midwives Notification - Birth (Babies’ fields)	26
Table Notes	34
Midwives Notification – Labour and Birth Complications	35
File Transfer Procedures	37
Secure File Transfer	37
File Transfer protocol (FTP)	37
Establishments	37
Medical Conditions (pre-existing) reportable values	37
Pregnancy Complications reportable values	39
Labour & Birth Complications reportable values	40

Overview

Background

This document provides the specification of the interface record structure and the file naming and transfer mechanisms to be utilised by sites using systems conforming to this interface standard.

This Version “N1” must be implemented from **July 2019**, when the changes outlined in this document have been implemented.

HSECS

The Health Statistical Events Common Store (HSECS) is an Oracle database containing the Midwives Notification Data and other Department of Health Collections. HSECS supports data input via direct data entry, submission of data via FTP or import of txt files. This specification relates to data provided via FTP or txt files. The Maternal and Child Health Unit will manage the receipt of forms and data files and coordinate input to HSECS.

Data elements

It is required that all feeder files will conform to the field names, values, formats, definitions and edit rules defined and enforced by HSECS. This specification provides the information required to ensure conformance of feeder files.

Timing of transfers

Records should be included in the extract when data is complete i.e. all infants have been discharged from the birth site and data entry has been completed. The mother and all related baby records must be received as a complete “set” or logical group of records. Discharge of infant will include discharge home, death, or transfer to another hospital or service like foster care. No further amendments or changes should be made to the records. If this occurs and the data changed is in a field to be reported to HSECS then an updated record should be submitted.

Updates/Corrections

Updates/corrections may be submitted to the Maternal and Child Health when necessary. Resubmitted records must all be flagged as an “update” in the interface file. All related records for the mother and all babies must be resubmitted as a logical group of records. Records flagged as updates will be rejected by the HSECS if a predecessor cannot be located.

Frequency of Submission

There are no physical limitations in the HSECS or peripherals to limit the volume or frequency of receipt of data into the application. Interface files may therefore be submitted to the Maternal and Child Health as often as required governed only by the provider. Most services provide data files each month for the previous month of births.

Note

ICD data specifications for reporting “other” values have been removed from this document and replaced with new values for reporting “other” values. This also means that the place in the feeder file previously used for ICD-10 codes must now be NULL.

Reporting birth resuscitation has changed to include multiple values. As a result its provision position in the feeder file has been made NULL and a place enabling multiple value reporting has been created at the end of the file and is specified at the bottom of the Birth table on Page 34 of this document. At least one value must be provided for Resuscitation.

Interface FILE Definition

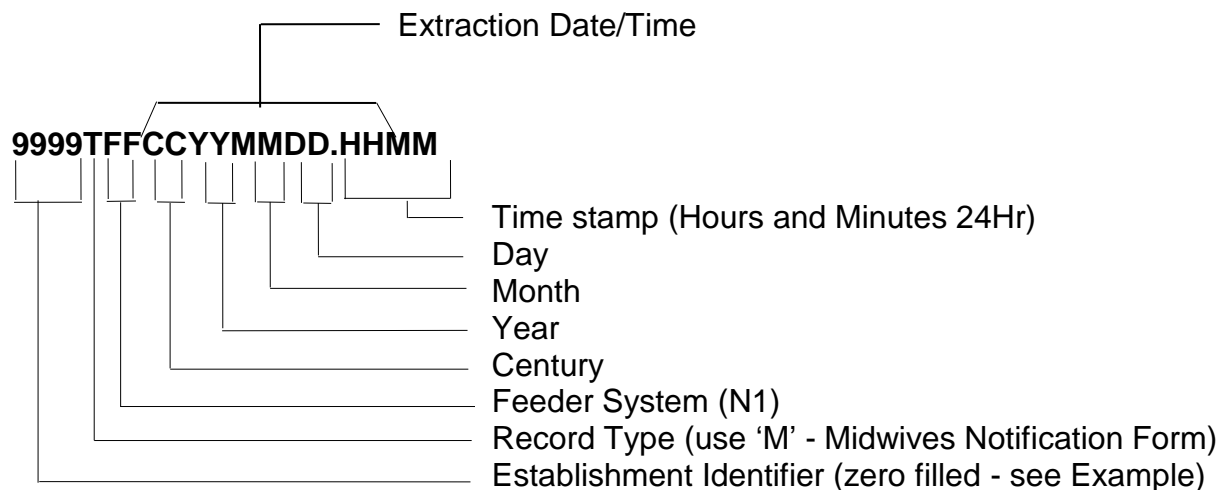
Data files must conform to the following file naming standards, formats and procedures.

Data interface file name

The file name must be:

- ♦ unique across all Provider Sites and Record Types;
- ♦ easily identifiable by System Administrators and Users;
- ♦ unique across time;
- ♦ logical in their naming conventions;
- ♦ able to be maintained in a single directory if required; and,
- ♦ able to be sequenced and loaded in the correct order as indicated by the extraction time stamp.

Thus the following naming convention is to be used.



The current feeder system identifier is the two characters N1. The previous identifiers for the feeder system were:

N1	July 2019
M9	July 2017 – Jun 2019
M8	July 2017 – (<i>this version was not implemented</i>)
M7	July 2016 – Jun 2017
M6	July 2014 – Jun 2016
M5	Jan 2013 – Jun 2014
M4	July 2012 – Dec 2012
M3	Jan 2012 – Jun 2012
O2	Jan 2011 – Dec 2011
O1	Jan 2010 – Dec 2010
O0	Jan 2009 – Dec 2009

The midwives feeder code was changed from O in 2011 because it was confused with the number 0.

Valid Establishment Identifiers are supplied by the Health Department of WA.

Example: 0104MN120190726.1323

This name for the file indicates that the file is from system (N1) at King Edward Memorial Hospital (establishment number 0104). It contains Midwives Notification Records (M) and was extracted on 26th July 2019 at 1:23pm.

Linking Record Structures

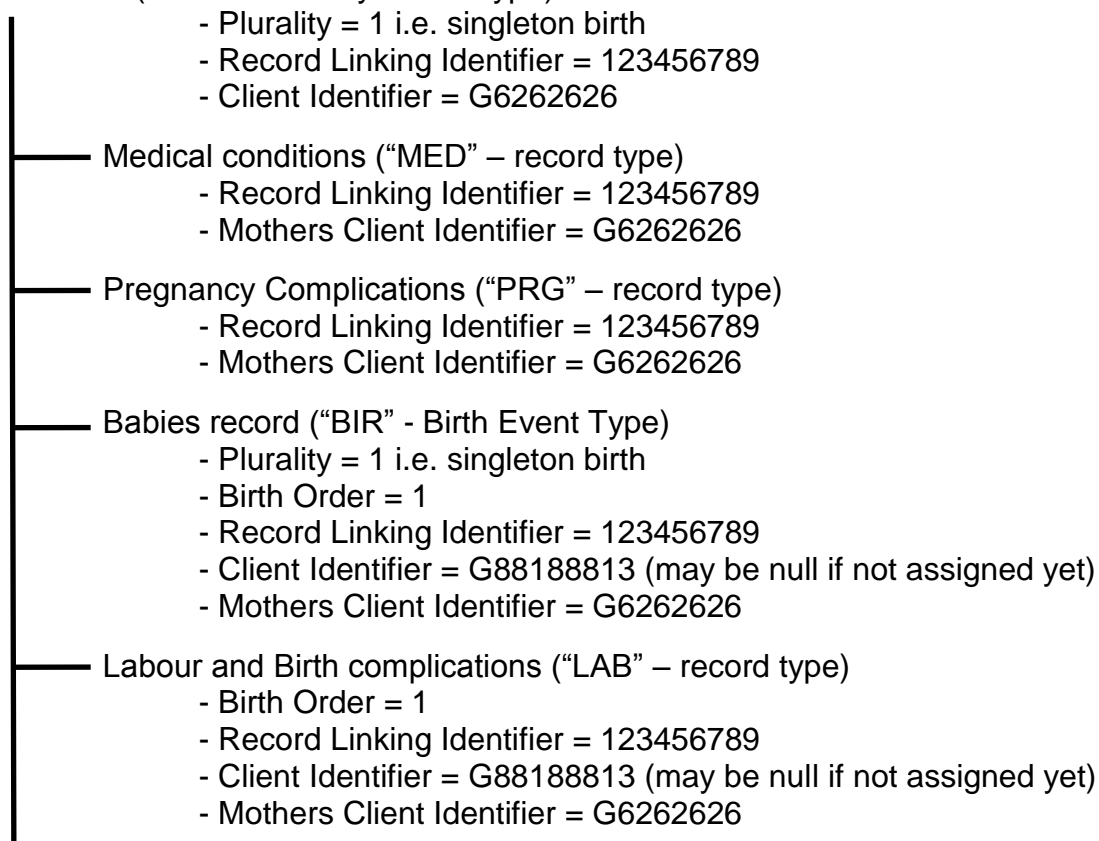
The HSECS application treats the Feeder File logically as five separate records:

- DEL for mother's details
- MED for mother's pre-existing medical conditions
- PRG for mothers' pregnancy complications
- BIR for each of the babies, and
- LAB for labour and birth complications occurring for each infant's birth.

To enable the correct relationship between each record to be identified, a unique "linking" identifier must be provided on each of the records that are logically related. This identifier must never be re-used or issued to records other than those to which it was originally assigned. Records received as updates must have the same identifier as the predecessor they are updating. The following diagram outlines the structure and order data files for the Midwives records in the HSECS.

Single Birth

Mothers record ("DEL" - Delivery Event Type)



Multiple Birth

- Mothers record (“DEL” - Delivery Event Type)
 - Plurality = 3 i.e. triplets
 - Record Linking Identifier = 123456789
 - Client Identifier = G6262626
- Medical conditions (“MED” – record type)
 - Record Linking Identifier = 123456789
 - Mothers Client Identifier = G6262626
- Pregnancy Complications (“PRG” – record type)
 - Record Linking Identifier = 123456789
 - Mothers Client Identifier = G6262626
- Babies record (“BIR” - Birth Event Type)
 - Plurality = 3 i.e. triplets
 - Birth Order = 1
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626
- Labour and Birth complications (“LAB” – record type)
 - Birth Order = 1
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626
- Babies record (“BIR” - Birth Event Type)
 - Plurality = 3 i.e. triplets
 - Birth Order = 2
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626
- Labour and Birth complications (“LAB” – record type)
 - Birth Order = 2
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626
- Babies record (“BIR” - Birth Event Type)
 - Plurality = 3 i.e. triplets
 - Birth Order = 3
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626
- Labour and Birth complications (“LAB” – record type)
 - Birth Order = 3
 - Record Linking Identifier = 123456789
 - Client Identifier = G88188813 (may be null if not assigned yet)
 - Mothers Client Identifier = G6262626

NOTE: It is imperative that the mother (DEL) record and all of the related records (MED, PRG), babies (BIR) and (LAB) records exist within the same file and are sequenced correctly, i.e., Mother followed by MED, PRG and then BIR and LAB for Baby 1 then BIR and LAB for Baby 2 and so on.

If a record requires updating then all of the related records must be resubmitted as a group, and all must have the update flag set to 'Y' - yes.

Midwives Notification - Delivery (Mothers' fields)

Table 1: Delivery Event Interface Structure

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Event Type MANDATORY	x(4)	1	4	DEL	Text (Can contain up to 4 characters) Left justified “DEL” stands for “Delivery Event Type”
Morbidity Record Type MANDATORY	x(1)	5	5	M	Text (Can contain up to 1 character only) “M” stands for “Midwives Notification Form”
Feeder Identifier NOT MANDATORY	x(20)	6	25		(Can contain up to 20 characters/digits) Unique Feeder system identifier of the record
Record Linking Identifier MANDATORY	9(10)	26	35	*please refer to examples on page 5-6. e.g.1. 888181812	Numerical (Can contain up to 10 digits) Unique identifier used for logically linking to the Babies records. (Will be mapped to Midwives Event ID field in the Case_Headers table)

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Update Flag MANDATORY	x(1)	36	36	Null or 'Y' After "Record Linking Identifier" follows the "Update Flag" (see examples below) e.g.1. Null 888181812 (with Null leave blank at end) e.g.2. "Y" 888181812Y (with "Y" type "Y" character at the end)	Text (Can contain up to 1 character) Set to 'Y' if an update or resubmission of record
Previous Batch Id (HSECS)	9(9)	37	45	In house but leave space for structure	Numerical (Can contain up to 9 digits)
Previous Case Id (HSECS)	9(9)	46	54	In house but leave space for structure	Numerical (Can contain up to 9 digits)
Establishment MANDATORY	9(4)	55	58	See Page 41 of this document for more information.	Numerical (Can contain up to 4 digits)
Client Identifier MANDATORY	x(10)	59	68	*please refer to examples on page 5-6. e.g. G6262626	Text and Numbers (Can contain up to 10 characters and digits) Unit Record Number of the Mother also called UMRN.
Event Date MANDATORY	9(10)	69	78	dd/mm/ccyy e.g. 02/01/2016	Numerical and Signs "/" forward slash (Can contain up to 10 digits and signs) Delivery Date - can be the same as the DOB of the Baby
Event Time MANDATORY	9(4)	79	82	hhmm (24 hr clock) e.g. 1023 (i.e. for 10:23am)	Numerical (Can contain up to 4 digits) Delivery Time-should be the same as the Time of Birth of the Baby

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Surname MANDATORY	x(30)	83	112	e.g. Smith	Text (Can contain up to 30 characters)
First Forename MANDATORY	x(30)	113	142	e.g. Anita	Text (Can contain up to 30 characters)
Second Forename MANDATORY	x(30)	143	172	e.g. Mary	Text (Can contain up to 30 characters)
Maiden Name MANDATORY	x(30)	173	202	e.g. Ann	Text (Can contain up to 30 characters)
Residential Address MANDATORY	x(50)	203	252	e.g. 123 Flower St	(Can contain up to 50 characters/digits)
Suburb MANDATORY	x(30)	253	282	e.g. Thornlie	Text (Can contain up to 30 characters)
Postcode MANDATORY	9(6)	283	288	e.g. 6147	Numerical (Can contain up to 6 digits)
State/Territory of Residence MANDATORY	9(1)	289	289	0=Overseas/NFPA (No Fixed Permanent Address) 1=NSW (New South Wales) 2=VIC (Victoria) 3=QLD (Queensland) 4= SA (South Australia) 5= WA(Western Australia) 6=TAS (Tasmania) 7= NT (Northern Territory) 8= ACT (Australian Capital Territory) 9=OTH (Other) e.g. 5 (for state of WA)	Numerical (Can contain up to 1 digit only)
Locality	x(6)	290	295	*Leave space users won't need to enter anything here.	Public Health Locality code - future field
Date of Birth MANDATORY	9(10)	296	305	dd/mm/ccyy e.g. 01/01/1980	Numbers and Signs "/" forward slash (Can contain up to 10 digits and signs) *Mothers DOB
Height NOT MANDATORY (Do not ignore, supply if given)	9(3)	306	308	NNN e.g. 166 (i.e. for 166cm)	Numerical (Can contain up to 3 digits) *not mandatory In centimetres (cms)

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Telephone Number MANDATORY	x(12)	309	320	e.g. 94511234	(Can contain up to 12 characters or digits)
Location MANDATORY	x(20)	321	340	e.g. Delivery Suite	Text (Can contain up to 20 characters) Ward
Marital Status MANDATORY	9(1)	341	341	1=Never married 2=Widowed 3=Divorced 4=Separated 5=Married/Defacto 6=Not stated e.g. 5 (for married marital status)	Numerical (Can contain up to 1 digit only)
Ethnic Origin MANDATORY	9(2)	342	343	01=Caucasian 03=Asian 04=Indian 05=African 06=Polynesian 07=Maori 08=Other 10=Aboriginal not Torres Strait Islander 11=Torres Strait Islander not Aboriginal 12=Both Aboriginal and Torres Strait Islander e.g. 01 (for Caucasian ethnic origin)	Numerical (Can contain up to 2 digits only)
Previous Pregnancies MANDATORY	9(2)	344	345	e.g. "2"	Numerical (Can contain up to 2 digits)
Children Living MANDATORY	9(2)	346	347	e.g. "2"	Numerical (Can contain up to 2 digits)
Children Died MANDATORY	9(2)	348	349	e.g. "0"	Numerical (Can contain up to 2 digits)
Stillbirths MANDATORY	9(2)	350	351	e.g. "0"	Numerical (Can contain up to 2 digits)

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Previous Caesarean Indicator MANDATORY	9(1)	352	352	1 = Yes 2 = No e.g. 1 (if Yes)	Numerical (Can contain up to 1 digit only) This field can be calculated from the newly added 'Number of Previous Caesareans' Field.
Caesarean Last Delivery Indicator MANDATORY	9(1)	353	353	1 = Yes 2 = No e.g. 1 (if Yes)	Numerical (Can contain up to 1 digit only)
Previous Multiple Birth Indicator MANDATORY	9(1)	354	354	1 = Yes 2 = No e.g. 2 (if No)	Numerical (Can contain up to 1 digit only)
Estimated gestation weeks at first antenatal visit MANDATORY * Please do not confuse this "Estimated gestation weeks at first antenatal visit" field with the full term "Estimated Gestation".	9(2)	355	356	None= '98' Undetermined= '99' In 1 st incomplete week= '00' e.g. Write or enter in "12" if mother had her first antenatal visit etc...	Numerical (2 digits must be entered in) Null/undetermined = '99'. None='98'. In 1 st incomplete week='00'. Pad with leading 0 if response is less than two digits. Mandatory field.
Total Number of antenatal visits MANDATORY	9(2)	357	358	e.g. "8"	Numerical (Can contain up to 2 digits)
Date LMP NOT MANDATORY (Do not ignore, supply if given)	9(10)	359	368	dd/mm/ccyy e.g. 01/01/2015	Numerical and Signs "/" forward slash (Can contain up to 10 digits and signs) *Not a mandatory field.
Date LMP Certain MANDATORY	9(1)	369	369	1 = Yes 2 = No e.g. 1 (if Yes)	Numerical (Can contain up to 1 digit only)
Expected Due Date NOT MANDATORY (Do not ignore, supply if given)	9(10)	370	379	dd/mm/ccyy e.g. 01/01/2016	Numerical and Signs "/" forward slash (Can contain up to 10 digits and signs) *Not a mandatory field.

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Basis Expected Due Date MANDATORY	9(1)	380	380	1= Clinical signs/date 2= Ultrasound <20 weeks 3= Ultrasound at >= 20/40 8= Unknown e.g. 8 (for unknown date)	Numerical (Can contain up to 1 digit only)
Smoking During Pregnancy Indicator MANDATORY	9(1)	381	381	1 = Yes 2 = No e.g. 1 (if Yes)	Numerical (Can contain up to 1 digit only)
Number of tobacco cigarettes usually smoked each day during FIRST 20 weeks of pregnancy MANDATORY	9(3)	382	384	None= '000' Occasional or smoked <1= '998' Undetermined= '999' e.g. Enter in "005" if mother smoked "five" each day during first 20 weeks of pregnancy or "999" if undetermined etc.	Numerical (3 digits must be entered in) Null/undetermined = '999'. Occasional or smoked <1 = '998'. None = '000'. Pad with leading 0s if response is less than three digits. Mandatory field.
Number of cigarettes usually smoked each day AFTER 20 weeks of pregnancy MANDATORY	9(3)	385	387	None= '000' Occasional or smoked <1= '998' Undetermined= '999' E.G. Write or enter in "003" if mother smoked "three" each day after 20 weeks of pregnancy or if none use 000 etc...	Numerical (3 digits must be entered in) Null/undetermined = '999'. Occasional or smoked <1 = '998'. None='000'. Pad with leading 0s if response is less than three digits. Mandatory field.
Complications of Pregnancy	x(26)	388	413		No longer to be reported in DEL record leave this area NULL
Complications of Pregnancy ICD1	x(10)	414	423		No longer to be reported in DEL record leave this area NULL
Complications of Pregnancy ICD2	x(10)	424	433		No longer to be reported in DEL record leave this area NULL

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Complications of Pregnancy ICD3	x(10)	434	443		No longer to be reported in DEL record leave this area NULL
Complications of Pregnancy ICD4	x(10)	444	453		No longer to be reported in DEL record leave this area NULL
Complications of Pregnancy ICD5	x(10)	454	463		No longer to be reported in DEL record leave this area NULL
Medical Conditions	x(22)	464	485		No longer to be reported in DEL record leave this area NULL
Medical Conditions ICD1	x(10)	486	495		No longer to be reported in DEL record leave this area NULL
Medical Conditions ICD2	x(10)	496	505		No longer to be reported in DEL record leave this area NULL
Medical Conditions ICD3	x(10)	506	515		No longer to be reported in DEL record leave this area NULL
Medical Conditions ICD4	x(10)	516	525		No longer to be reported in DEL record leave this area NULL
Medical Conditions ICD5	x(10)	526	535		No longer to be reported in DEL record leave this area NULL
Procedures & Treatments NOT MANDATORY (Do not ignore, supply if given)	x(24)	536	559	Values 1-7 stored positionally as 01020304050607 e.g. 01 03 0607 1=Fertility drug treatment 2=Cervical suture 3=CVS/placental biopsy 4=Amniocentesis 5=Ultrasound 6=CTG-antepartum 7=CTG-intrapartum e.g. 0405 (for both amniocentesis and ultrasound if case had two procedures and treatments)	(Can contain up to 24 characters or digits) *A case may have more than one value. Can have more than one procedure and treatment reported *Not a mandatory field.

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Intended Place of Birth MANDATORY	9(1)	560	560	1=Hospital 2=Birth centre, hospital 3=Birth centre, free standing 4=Home 8=Other 9=Not stated e.g. 4 (for Home, intended place of birth)	Numeric (Can contain up to 1 digit only)
Onset of Labour MANDATORY	9(1)	561	561	1=Spontaneous 2=Induced 3=No Labour 9=Not Stated e.g. 2 (for induced onset of labour)	Numeric (Can contain up to 1 digit only)
Type of Augmentation MANDATORY	x(24)	562	585	Values 1-8 stored positionally as 01020304 08 e.g. 0203 08 1=None 2=Oxytocin 3=Prostaglandins 4=Artificial rupture of Membranes 8=Other e.g. 02 04 (for both oxytocin and artificial rupture of membranes if case had two types of augmentation)	(Can contain up to 24 characters or digits) *A case may have more than one value. NOTE: Case can have more than one augmentation.
Type of Induction MANDATORY	x(24)	586	609	Values 1-8 stored positionally as 01020304 08 etc e.g. 0304 08 1=None 2=Oxytocin 3=Prostaglandins 4=Artificial rupture of Membranes 5=Dilatation device i.e. Foley Catheter 6=Antiprogesterone i.e. mifepristone 8=Other e.g. 02 04 (for both oxytocin and artificial rupture of membranes if case had two types of augmentation)	(Can contain up to 24 characters or digits) *A case may have more than one value. NOTE: Case can have more than one type of induction.

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Analgesia MANDATORY	x(24)	610	633	Values 1-8 stored positionally as 0102 0405060708 etc e.g. 0304 08 1=None 2=Nitrous Oxide 4=Epidural or Caudal 5=Spinal 6=Systemic Opioids 7=Combined Spinal/epidural 8=Other e.g. 01 (for case that had No analgesia during labour)	(Can contain up to 24 characters or digits) *A case may have more than one value. NOTE: Case can have more than one analgesia.
Plurality MANDATORY	9(1)	634	634	1=Singleton 2=Twins 3=Triplets 4=Quadruplets 5=Quintuplets 6=Sextuplets 8=Other 9=Not Stated e.g. 1 (for this delivery - plurality of baby)	Numerical (Can be up to 1 digit only) NOTE: Number of babies in this delivery only.
Duration of Labour - 1 st Stage MANDATORY	9(4)	635	638	hhmm e.g. 0450 (i.e. 4 hours and 50 minutes)	Numerical (Can be up to 4 digits)
Duration of Labour - 2 nd Stage MANDATORY	9(4)	639	642	hhmm e.g. 0149 (i.e. 1 hour and 49 mins)	Numerical (Can be up to 4 digits)
Midwife Name MANDATORY	x(20)	643	662	e.g. Jones, Amy Wilson	Text (Can be up to 20 characters) Free text
Midwife Registration Number MANDATORY	x(13)	663	675	e.g. NMW0001234567	(Must be 13 characters and digits)
Coder Identifier MANDATORY	x(20)	676	695	e.g. HE12345	(Can be up to 20 characters or digits)

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Mothers Weight NOT MANDATORY	9(3)	696	698	Min 20, Max 300 e.g. 70 (i.e. 70 kilograms)	Numerical (Can be up to 3 digits) In whole kilograms (kgs) Booking Weight if recorded (booking weight can be anytime from 5 weeks pregnant to over 20 weeks) or Pre-conception weight in whole kilograms (kgs).
Number of Previous Caesareans MANDATORY	9(2)	699	700	e.g. "2"	Numerical (Can contain up to 2 digits)
Previous Pregnancies – Parity MANDATORY	9(2)	701	702	e.g. "1"	Numerical (Can contain up to 2 digits)
Postnatal blood loss in mls MANDATORY	9(5)	703	707	e.g. "475" or "10000"	Numerical (Can be up to 5 digits) Total blood loss in millilitres measured and/or estimated between birth and 24 hours
Interpreter service required MANDATORY	9(1)	708	708	1=Yes 2=No e.g. 2 (if No)	Numerical (Must contain 1 digit only)
Mother's language requiring interpreter CONDITIONAL if Interpreter service required = 1-Yes	9(4)	709	712	ABS value for language i.e. German 1401 (if interpreter service required = 2-No, then report NULL)	Numerical (Must contain 4 digits or be NULL)

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
Influenza vaccination during pregnancy MANDATORY	9(2)	713	714	01-Vaccinated during 1 st trimester 02-Vaccinated during 2 nd trimester 03-Vaccinated during 3 rd trimester 04-Vaccinated in unknown trimester 05-Not vaccinated 99-Unknown if vaccinated e.g.02 (for Vaccinated during 2 nd trimester)	Numerical (Can contain up to 2 digits only)
Pertussis vaccination during pregnancy MANDATORY	9(2)	715	716	01-Vaccinated during 1 st trimester 02-Vaccinated during 2 nd trimester 03-Vaccinated during 3 rd trimester 04-Vaccinated in unknown trimester 05-Not vaccinated 99-Unknown if vaccinated e.g.02 (for Vaccinated during 2 nd trimester)	Numerical (Can contain up to 2 digits only)
Principal reason for induction of labour CONDITIONAL - if “Onset of Labour” (refer to page 15) = 2 - induced	9(2)	717	718	01 Prolonged pregnancy 02 Prelabour rupture of membranes 03 Diabetes 04 Hypertensive disorders 05 Multiple pregnancy 06 Chorioamnionitis (includes suspected) 07 Cholestasis of pregnancy 08 Antepartum haemorrhage 09 Maternal age 10 Body Mass Index (BMI) 11 Maternal mental health indication 12 Previous adverse perinatal outcome 19 Other maternal obstetric or medical indication 20 Fetal compromise (includes suspected) 21 Fetal growth restriction (includes suspected) 22 Fetal macrosomia (includes suspected) 23 Fetal death 24 Fetal congenital anomaly 80 Administrative or geographical indication 81 Maternal choice in the absence of any obstetric, medical, fetal, administrative or geographical indication 89 Other indication not elsewhere classified	Numeric (Can be up to 2 digits only). Only one value must be reported where Onset of Labour = 2 (induced) The primary indication for an induction being performed to commence a birth event, as represented by a code

INPUT FIELD - DELIVERY	FORMAT	START	EN D	VALUE	COMMENT
First 20 weeks of pregnancy, the frequency (how often) of drinking an alcoholic drink MANDATORY	9(2)	719	720	01-Never 02-Monthly 03-two to four times a month 04-two to three times a week 05-four or more times a week 99-Unknown	Numerical (Can be up to 2 digits only)
First 20 weeks of pregnancy, the number of standard drinks containing alcohol on a typical day when alcohol is consumed MANDATORY	9(2)	721	722	00-Zero 01-one or two 02-three or four 03-five or six 04-seven to nine 05-10 or more 99-Unknown	Numerical (Can be up to 2 digits only)
During pregnancy, was screening for depression/anxiety conducted? MANDATORY For Stork system this item to be for Trimester 1 screening	9(1)	723	723	1-Yes 2-Not offered 3-Declined 9-Unknown	Numerical (1 digit only)
Was additional follow-up indicated for perinatal mental health risk factors identified? MANDATORY For Stork system this item to be for Trimester 1 screening	9(1)	724	724	1-Yes 2-No 7-Not applicable 9-Unknown	Numerical (1 digit only)
During 3 rd Trimester, was screening for depression/anxiety conducted? MANDATORY for Stork only For Stork system this item to be for Trimester 3 screening	9(1)	725	725	1-Yes 2-Not offered 3-Declined 9-Unknown	Numerical (1 digit only)
From 3 rd Trimester was additional follow-up indicated for perinatal mental health risk factors identified? MANDATORY for Stork only For Stork system this item to be for Trimester 3 screening	9(1)	726	726	1-Yes 2-No 7-Not applicable 9-Unknown	Numerical (1 digit only)
Email	x(64)	727	790	eg. Jane.Smith@mail.com.au	Text (Can contain up to 64 characters, digits, and symbols)
After 20 weeks of pregnancy, the frequency (how often) of drinking an alcoholic drink MANDATORY	9(2)	791	792	01-Never 02-Monthly 03-two to four times a month 04-two to three times a week 05-four or more times a week 99-Unknown	Numerical (Can be up to 2 digits only)
After 20 weeks of pregnancy, the number of standard drinks containing alcohol on a typical day when alcohol is consumed MANDATORY	9(2)	793	794	00-Zero 01-one or two 02-three or four 03-five or six 04-seven to nine 05-10 or more 99-Unknown	Numerical (Can be up to 2 digits only)

Notes on data to be reported in positions 723 to 726

Stork system already collects results for psychosocial screening conducted in both Trimester 1 and Trimester 3 of pregnancy. To simplify reporting from this system, it has been agreed (5 Jan 2017) that MNS will accept both results from screening. Other systems (SJOG and Ramsay sites) are required to report results for one screen conducted at any time during the pregnancy.

Table Notes

1. Fields with multiple values must have the values stored positionally, i.e., 'Treatments and Procedures' has 01 to 07 as possible values, all of which may be selected. In the interface record this would be stored as 01020304050607 all fields are selected. If 1, 3 and 7 are selected this would be look like 01 03 07. If no values have been selected then the allocated position's will all be space filled.
2. Numeric fields that have not been marked as mandatory should be a "space" in the file so that position in file of following data remains correct.
3. The only 'white space' character value accepted within text entries is the space character.
4. Residential address and other text values should not contain tabs or new line/carriage return characters.

Midwives Notification – Medical Conditions of mother

Table 2: Medical Conditions Interface Structure

INPUT FIELD – MED COND	FORMAT	START	END	VALUE	COMMENT
Event Type MANDATORY	x(4)	1	4	MED	Text (Can contain up to 4 characters) Left justified “MED” stands for “Pre-Existing Medical Conditions of the mother”
Morbidity Record Type MANDATORY	x(1)	5	5	M	Text (Can contain up to 1 character only) “M” stands for “Midwives Notification Form”
Feeder Identifier NOT MANDATORY	x(20)	6	25		(Can contain up to 20 characters/digits) Unique Feeder system identifier of the record
Record Linking Identifier MANDATORY	9(10)	26	35	*please refer to examples on page 5-6. e.g.1. 888181812	Numerical (Can contain up to 10 digits) Unique identifier used for logically linking to the DEL record.
Update Flag MANDATORY	x(1)	36	36	Null or ‘Y’ After “Record Linking Identifier	Text (Can contain up to 1 character) Set to ‘Y’ if an update or resubmission of record

INPUT FIELD – MED COND	FORMAT	START	END	VALUE	COMMENT
Client Identifier MANDATORY	x(10)	37	46	*please refer to examples on page 5-6. e.g. G6262626	Text and Numbers (Can contain up to 10 characters and digits) Unit Record Number of the Mother also called UMRN.
Medical Conditions NOT MANDATORY (Do not ignore, supply if given)	N(999)	47	1046	Values stored positionally as 001002003004 008 etc e.g. 001 003 008 001=Essential Hypertension 002 (no longer used) 003=Asthma 004=Genital Herpes 005=Type 1 Diabetes 006=Type 2 Diabetes 007= 008 (no longer used) 009= 010= 011 to 999 see Table # below	(Can contain up to 999 or digits) Case can have more than one medical condition. *Not a mandatory field. If no condition to report then do not report any value in this section

Midwives Notification – Pregnancy Complications of mother

Table 3: Pregnancy Complications Interface Structure

INPUT FIELD - PREG	FORMAT	START	END	VALUE	COMMENT
Event Type MANDATORY	x(4)	1	4	PRG	Text (Can contain up to 4 characters) Left justified “PRG” stands for “Pregnancy Complications of the mother”
Morbidity Record Type MANDATORY	x(1)	5	5	M	Text (Can contain up to 1 character only) “M” stands for “Midwives Notification Form”
Feeder Identifier NOT MANDATORY	x(20)	6	25		(Can contain up to 20 characters/digits) Unique Feeder system identifier of the record
Record Linking Identifier MANDATORY	9(10)	26	35	*please refer to examples on page 5-6. e.g.1. 888181812	Numerical (Can contain up to 10 digits) Unique identifier used for logically linking to the DEL record.
Update Flag MANDATORY	x(1)	36	36	Null or ‘Y’ After “Record Linking Identifier	Text (Can contain up to 1 character) Set to ‘Y’ if an update or resubmission of record
Client Identifier MANDATORY	x(10)	37	46	*please refer to examples on page 5-6. e.g. G6262626	Text and Numbers (Can contain up to 10 characters and digits) Unit Record Number of the Mother also called UMRN.

INPUT FIELD - PREG	FORMAT	START	END	VALUE	COMMENT
Complications of Pregnancy NOT MANDATORY (Do not ignore, supply if given)	N(999)	47	1046	Values stored positionally as 001002003004 008 etc e.g. 001 003 008 001=Threatened abortion (<20weeks) 002=Threatened pre-term labour 003=Urinary tract infection 004=Pre-eclampsia 005=APH-placenta praevia 006=APH-abruption 007=APH-other 008=Pre-labour rupture of membranes 009=Gestational Diabetes 010 (no longer used) 011=gestational hypertension 012=pre-eclampsia superimposed on essential hypertension 013= 014= 015= 016 to 999 see Table # below noting that 099 (no longer used)	(Can contain up to 999 or digits) Case can have more than one pregnancy complication. *Not a mandatory field. If no complication to report then do not report any value in this section

Midwives Notification - Birth (Babies' fields)

For a multiple birth, one record must be provided for each baby:

Table 4: Birth Event Interface Structure

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Event Type MANDATORY	x(4)	1	4	BIR	Text (Can contain up to 4 characters) left justified
Morbidity Record Type MANDATORY	x(1)	5	5	M	Text (Can contain up to 1 character only) "M" stands for Midwives Notification Form"
Feeder Identifier NOT MANDATORY	x(20)	6	25	*	Text (Can contain up to 20 characters) Unique Feeder system identifier of the record - should be the same as the mothers
Record Linking Identifier MANDATORY	9(10)	26	35	*please refer to examples on page 5-6. e.g.1. 888181812	Numerical (Can contain up to 10 digits) Unique identifier used for logically linking to the Babies records. (Will be mapped to Midwives Event ID field in the Case_Headers table)
Update Flag MANDATORY	x(1)	36	36	Null or 'Y' After "Record Linking Identifier" follows the "Update Flag" (see examples below) e.g.1. Null 888181812 (with Null leave blank at end) e.g.2. "Y" 888181812Y (with "Y" type "Y" character at the end)	Text (Can contain up to 1 character) Set to 'Y' if an update or resubmission record
Previous Batch Id (HSECS)	9(9)	37	45	In house but leave space for structure	Numerical (Can contain up to 9 digits) May be present on update/resubmitted records

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Previous Case Id (HSECS)	9(9)	46	54	In house but leave space for structure	Numerical (Can contain up to 9 digits) May be present on update/resubmitted records
Establishment MANDATORY	9(4)	55	58	e.g. 0640 (for SJOG Murdoch hospital) See page 40 of this document for more information.	Numerical (Can contain up to 4 digits)
Client Identifier MANDATORY	x(10)	59	68	*please refer to examples on page 5-6. e.g. G6262626	(Can contain up to 10 characters and digits) Unit Record Number of the Baby (if assigned to the baby at this stage) also called UMRN.
Mothers Client Identifier MANDATORY	x(10)	69	78	*please refer to examples on page 6 -7. e.g. G6262626	(Can contain up to 10 characters and digits) Unit Record Number of the Mother
Event Date MANDATORY	9(10)	79	88	dd/mm/ccyy e.g. 01/01/2016	Numerical and Signs “/” forward slash (Can contain up to 10 digits and signs) Birth Date of the Baby
Event Time MANDATORY	9(4)	89	92	hhmm (24 hr clock) e.g. 1030 (for 10:30am)	Numerical (Can contain up to 4 digits) Birth Time of the Baby
Plurality MANDATORY	9(2)	93	94	1=Singleton 2=Twins 3=Triplets 4=Quadruplets 5=Quintuplets 6=Sextuplets 8=Other 9=Not Stated e.g. 1 (Singleton: a single baby)	Numerical (Can contain up to 2 digits) Equates to the total number of babies on the delivery event.
Birth Order MANDATORY	9(2)	95	96	Specify this baby: e.g. 1 (1 st baby born) Or e.g. 2 (2 nd baby born)	Numerical (Can contain up to 2 digits) Specify this baby's birth order.

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Adoption Indicator NOT REQUIRED – Blank field		97	97	Null	Leave 1 space in feeder file. This data is no longer required to be reported.
Born Before Arrival Indicator MANDATORY	9(1)	98	98	1=Yes 2=No e.g. 1 (Yes born before arrival)	Numerical (Can contain up 1 digit only)
Presentation MANDATORY	9(1)	99	99	1=Vertex 2=Breech 3=Face 4=Brow 8=Other 9=Not Stated e.g. 2 (Breech presentation)	Numerical (Can contain up 1 digit only)
Method of Birth MANDATORY IMPORTANT: When the “Method of Birth” is vacuum extraction or forceps it is MANDATORY that reason for instruments is recorded in the “Complication of labour and delivery” field (refer to page 26)	x(24)	100	123	Values 1-8 stored positionally as 0102030405060708 e.g. 03 08 1=Spontaneous 2=Vacuum-successful 3=Vacuum-unsuccessful 4=Forceps-successful 5=Forceps-unsuccessful 6=Breech-vaginal 7=Caesarean Elective 8=Caesarean Emergency e.g. 01 (Spontaneous)	(Can contain up to 24 characters/digits) *A case may have more than one value. NOTE: Case can have more than one method of birth.

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Accoucheurs MANDATORY	x(24)	124	147	Values 1-8 stored positionally as 0102030405 08 etc e.g. 01 03 08 1=Obstetrician 2=Medical Officer 3=Midwife 4=Student 5=Self/no attendant 8=Other e.g. 01 (Obstetrician)	(Can contain up to 24 characters/digits) *A case may have more than one value. NOTE: Case can have more than one accoucheurs.
Gender MANDATORY	9(1)	148	148	1=Male 2=Female 3=Indeterminate e.g. 2 (Female)	Numerical 1 digit only
Status of the Baby MANDATORY	9(1)	149	149	1=Liveborn 2=Stillborn (NOS) 3=Antepartum Stillbirth 4=Intrapartum Stillbirth e.g. 1 (Liveborn)	Numerical 1 digit only
Infant Weight MANDATORY	9(4)	150	153	e.g. 3500 (i.e. 3500grams)	Numerical (Can be up to 4 digits) In whole grams
Length MANDATORY	9(2)	154	155	e.g. 50 (i.e. 50cms)	Numerical (Can be up to 2 digits) In whole centimetres
Head Circumference MANDATORY	9(2)	156	157	e.g. 35 (i.e. 35cms)	Numerical (Can be up to 2 digits) In whole centimetres
Time to establish unassisted regular breathing	9(2)	158	159	e.g. 1 (i.e. 1min)	Numerical (Can be up to 2 digits) In whole minutes
Resuscitation	9(1)	160	160		Leave this area NULL. Extended list of reporting on Page 36.
Apgar Score - 1 Minute MANDATORY	9(2)	161	162	e.g. 9	Numerical (Can be up to 2 digits)
Apgar Score - 5 Minutes MANDATORY	9(2)	163	164	e.g. 9	Numerical (Can be up to 2 digits)
Estimated Gestation MANDATORY	9(2)	165	166	e.g. 39	Leave this area NULL. Reporting on Page 36.

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Birth Defects NOT MANDATORY (Do not ignore, supply if given)	x(100)	167	266	*FREE TEXT	Free text (Can be up to 100 characters) For Birth Defects and Traumas, only enter free text for actual conditions, otherwise leave "BLANK".
Birth Trauma ICD1 NOT MANDATORY (Do not ignore, supply if given)	x(10)	267	276	e.g.1. P12.1 (Chignon)	Free text (Can contain up to 10 characters or digits) Decimals present. For Birth Defects and Traumas, only enter free text for actual conditions, otherwise leave "BLANK".
Birth Trauma ICD2 NOT MANDATORY (Do not ignore, supply if given)	x(10)	277	286	*same as above	*same as above
Birth Trauma ICD3 NOT MANDATORY (Do not ignore, supply if given)	x(10)	287	296	*same as above	*same as above
Birth Trauma ICD4 NOT MANDATORY (Do not ignore, supply if given)	x(10)	297	306	*same as above	*same as above
Birth Trauma ICD5 NOT MANDATORY (Do not ignore, supply if given)	x(10)	307	316	*same as above	*same as above
Event End Date MANDATORY	9(10)	317	326	dd/mm/ccyy e.g. 02/01/2016	Separation date from birth site Numerical and Signs "/" forward slash (Can contain up to 10 digits and signs)
Event End Time MANDATORY	9(4)	327	330	hhmm (24 hr clock) e.g. 0950 (i.e. 9:50am)	Separation time from birth site

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Mode of Separation MANDATORY	9(2)	331	332	1=Other acute hospital 2=Transfer to Residential Aged Care Service 3=Transfer to Psychiatric Hospital 4=Transfer to Other Health Care Accommodation 5=Statistical discharge 6=Against medical advice/at own risk 7=Statistical discharge from leave 8=Deceased 9=Other/Home e.g. 9 (Other/Home)	Numeric (Up to 2 digits)
Separated/Transferred To MANDATORY	9(4)	333	336	e.g. 0900= Own Home [Friend or Other Family Home W/O Care] is most common.	Numerical (Can be up to 4 digits) Range of values available for use can be supplied if requested.
Special Care Days MANDATORY	9(3)	337	339	e.g. 2 (two whole days of special care)	Numeric (can be up to 3 digits) *Whole days only* If stay is Less than 24 hours report as 000 days
Anaesthesia MANDATORY	x(24)	340	363	Values 1-8 stored positionally as 0102030405060708 e.g. 03 06 08 1=None 2=Local Anaesthesia to Perineum 3=Pudendal 4=Epidural or Caudal 5=Spinal 6=General 7=Combined Spinal/Epidural 8=Other	Anaesthesia utilised by the mother at the point of birth of <u>this</u> baby. *A case may have more than one value. (Can contain up to 24 characters/digits) NOTE: Case can have more than one anaesthesia.
Complications of Labour and Delivery	x(30)	364	393		No longer to be reported in BIR record leave this area NULL

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Complications of Labour and Delivery ICD1	x(10)	394	403		No longer to be reported in BIR record leave this area NULL
Complications Labour and Delivery ICD2	x(10)	404	413		No longer to be reported in BIR record leave this area NULL
Complications Labour and Delivery ICD3	x(10)	414	423		No longer to be reported in BIR record leave this area NULL
Complications Labour and Delivery ICD4	x(10)	424	433		No longer to be reported in BIR record leave this area NULL
Complications Labour and Delivery ICD5	x(10)	434	443		No longer to be reported in BIR record leave this area NULL
Perineal Status MANDATORY	9(24)	444	467	<p>Values 1-8 stored positionally as 0102030405 0708</p> <p>1=Intact 2=1st Degree tear/vaginal tear 3=2nd Degree tear 4=3rd Degree tear 5=Episiotomy 7=4th Degree tear 8=Other</p> <p>e.g. 03 05 (for both 2nd degree tear and Episiotomy)</p>	<p>Status of the perineum of the mother at the point of birth of <u>this</u> baby.</p> <p>(Can contain up to 24 characters or digits)</p> <p>*A case may have more than one value.</p>
Indigenous Status of Baby MANDATORY	9(1)	468	468	<p>1=Aboriginal but not Torres Strait Islander 2= Torres Strait Islander but not Aboriginal 3=Aboriginal and Torres Strait Islander 4=Other</p> <p>e.g. "4" selected if indigenous status of baby is "Other".</p>	Numeric (Can be up to 1 digit only)

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Principal Reason for Caesarean Section CONDITIONAL if the “Method of Birth” (refer to page 22) is caesarean i.e. 7= Caesarean Elective or 8=Emergency Caesarean	9(2)	469	470	01=Fetal compromise 02=suspected fetal macrosomia 03=malpresentation 04=lack of progress <= 3cm 05=lack of progress in the 1st stage, 4cm to < 10cm 06=lack of progress in the 2nd stage 07=placenta praevia 08=placental abruption 09=vasa praevia 10=antepartum/intr apartum haemorrhage 11=multiple pregnancy 12=unsuccessful attempt at assisted delivery 13=unsuccessful induction 14=cord prolapse 15=previous caesarean section 16=previous shoulder dystocia 17=previous perineal trauma/4 th degree tear 18=previous adverse fetal/neonatal outcome 19=other obstetric, medical, surgical, psychological indications 20=maternal choice in the absence of any obstetric, medical, surgical, psychological indications	Numeric (Can be up to 2 digits only). Only one value must be reported where birth by caesarean section is indicated Note: If Reason is 12 = Unsuccessful attempt at assisted delivery MUST have either 3=Vacuum-unsuccessful OR 5=Forceps-unsuccessful INCLUDE in method of Birth
Water immersion at Birth MANDATORY	9(1)	471	471	1=Yes 2=No e.g. 2 (if No)	Numerical (1 digit only) Indicator of water birth where the baby was born under water

INPUT FIELD - BIRTH	FORMAT	START	END	VALUE	COMMENT
Resuscitation MANDATORY	9(176)	472	647	Values 1-88 stored positionally 1=None 2=Suction 3=Oxygen 4 = continuous positive airway pressure (CPAP) 6=Endotracheal Intubation 10=intermittent positive pressure ventilation (IPPV) 11=External cardiac compressions 88=Other e.g. 11 (External cardiac compressions)	(Can contain up to 176 characters or digits) *A case may have more than one value. Note: Record all methods of Resuscitation
Estimated Gestation MANDATORY	9(4)	648	651	WWD (Week Week Day) e.g. 39w+5d = 395	Numerical 3 digits. Note. Numbers for days restricted to 0 to 6

Table Notes

1. Numeric fields that have not been marked as mandatory should be a "space" in the file so that position in file of following data remains correct.
2. Fields that have multiple values must have the values stored positionally i.e. Accoucheurs has 1 to 5 and 8 as possible values, all of which may be selected. In the interface record this would be stored as 0102030405 08 if all fields are selected. If 1, 3 and 8 are selected this would be look like 01 03 08. If no values have been selected then the allocated positions must be space filled.
3. The only 'white space' character value accepted within text entries is the space character.

Midwives Notification – Labour and Birth Complications

Table 5: Labour and Birth Complications Interface Structure

INPUT FIELD - MIDWIVES	FORMAT	START	END	VALUE	COMMENT
Event Type MANDATORY	x(4)	1	4	LAB	Text (Can contain up to 4 characters) Left justified “LAB” stands for “Labour and Birth Complications for the baby”
Morbidity Record Type MANDATORY	x(1)	5	5	M	Text (Can contain up to 1 character only) “M” stands for “Midwives Notification Form”
Feeder Identifier NOT MANDATORY	x(20)	6	25		(Can contain up to 20 characters/digits) Unique Feeder system identifier of the record
Record Linking Identifier MANDATORY	9(10)	26	35	*please refer to examples on page 5-6. e.g.1. 888181812	Numerical (Can contain up to 10 digits) Unique identifier used for logically linking to the DEL record.
Update Flag MANDATORY	x(1)	36	36	Null or ‘Y’ After “Record Linking Identifier	Text (Can contain up to 1 character) Set to ‘Y’ if an update or resubmission of record

INPUT FIELD - MIDWIVES	FORMAT	START	END	VALUE	COMMENT
Client Identifier MANDATORY	x(10)	37	46	*please refer to examples on page 5-6. e.g. G6262626	Can contain up to 10 characters and digits) Unit Record Number of the Baby (if assigned to the baby at this stage) also called UMRN..
Mother's Client Identifier MANDATORY	x(10)	47	56	*please refer to examples on page 5-6. e.g. G6262626	Text and Numbers (Can contain up to 10 characters and digits) Unit Record Number of the Mother.
Complications of Labour and Birth NOT MANDATORY (Do not ignore, supply if given)	N(999)	57	1056	Values stored positionally as 001002003004 008 etc e.g. 001 003 008 001=Precipitate Delivery 002=Fetal Distress 003=Prolapsed cord 004=Cord around neck 005= Cephalopelvic disproportion 006 (no longer used) 007=Retained Placenta – manual removal 008=Persistent Occipito Posterior 009=Shoulder Dystocia 010=Failure to progress <= 3cms 011=Failure to progress > 3cms 012=Previous caesarean section 013 (no longer used) 014= 015= 016 to 999 see Table # below.	(Can contain up to 999 or digits) Case can have more than one labour and birth complication *Not a mandatory field. If no complication to report then do not report any value in this section

File Transfer Procedures

Secure File Transfer

Procedures for submission of data files should include encryption of named data. The Department of Health has provided My File Transfer or MyFT for this purpose.

The email account birthdata@health.wa.gov.au is licensed to receive encrypted data submissions. MyFT is available to users both within and outside of the WA Health.

Files submitted via MyFT to birthdata@health.wa.gov.au will have personal health information protected.

File Transfer protocol (FTP)

File transfer using FTP (File Transfer Protocol) is available but only for WA Health services. The use of FTP has the following advantages:

- FTP is used over TCP/IP which is the protocol used by the Health Department's Network.
- FTP is available on virtually all Operating Systems.
- FTP offers guaranteed file transmission.
- FTP allows each individual hospital to have a separate login id and password which maps to a separate secure download area on the HSECS server.

Data reporting applications would need programming to submit data files to the HSECS server by "putting" the files into their respective download areas. This simplifies the processing on the HSECS server and allows the feeder systems to dictate when they want to send data to the HSECS server.

Details on the specifics of the file transfer are available on request.

Establishments

All establishments in WA have an establishment ID assigned by the Inpatient Data team at the WA Department of Health.

Establishment IDs used for WA maternity services and as transfer sites for mothers or infants to be reported to MNS are available upon request from the Maternal and Child Health team by emailing birthdata@health.wa.gov.au.

Medical Conditions (pre-existing) reportable values

Category	Item	NOCA Value	Use
Hypertension	Essential hypertension	001	Pre-existing
Diabetes	Unspecified pre-existing diabetes	2	Deactivated
Respiratory	Asthma	003	Pre-existing
Infectious diseases	Genital herpes	004	Pre-existing
Diabetes	Type 1 diabetes	005	Pre-existing
Diabetes	Type 2 diabetes	006	Pre-existing
	Other	8	Deactivated
Blood disorders	Anaemia	010	Since M9
Blood disorders	Thalassaemia	011	Since M9
Blood disorders	Condition affecting coagulation	012	Since M9
Infectious diseases	Carrier Hepatitis B	020	Since M9
Infectious diseases	Carrier Hepatitis C	021	Since M9
Infectious diseases	HIV	022	Since M9
Infectious diseases	Syphilis	023	Since M9

Category	Item	NOCA Value	Use
Infectious diseases	Gonorrhoea	024	Since M9
Infectious diseases	Anogenital warts	025	Since M9
Infectious diseases	COVID-19 (Coronavirus)	026	N1 16 th April 2020
Malformations	Scoliosis	030	Since M9
Malformations	Spina Bifida	031	Since M9
Malformations	Uterine anomaly	032	Since M9
Musculoskeletal	Rheumatoid arthritis	033	Since M9
Musculoskeletal	Ankylosing spondylitis	035	Since M9
Musculoskeletal	Arthritis	036	Since M9
Musculoskeletal	Deformity of maternal pelvic bones	037	Since M9
Musculoskeletal	Carpal tunnel syndrome	038	Since M9
Digestive	Coeliac disease	040	Since M9
Digestive	Crohn's disease	041	Since M9
Communication	Hearing impaired	045	Since M9
Communication	Sight impaired	046	Since M9
Circulatory	Rheumatic heart disease	050	Since M9
Circulatory	Cardiac arrhythmia	051	Since M9
Circulatory	Raynaud's syndrome	052	Since M9
Circulatory	Cardiac murmur	053	Since M9
Circulatory	Deep Venous Thrombosis	054	Since M9
Genitourinary	Endometriosis	060	Since M9
Genitourinary	Polycystic ovarian syndrome	061	Since M9
Genitourinary	Stress incontinence	062	Since M9
Nervous system	Epilepsy	070	Since M9
Nervous system	Multiple sclerosis	071	Since M9
Endocrine, nutritional, metabolic	Vitamin D Deficiency	080	Since M9
Endocrine, nutritional, metabolic	Hypothyroidism	081	Since M9
Endocrine, nutritional, metabolic	Thyroid disorder other than hypothyroidism	082	Since M9
Endocrine, nutritional, metabolic	Biliary Colic	083	Since M9
Immunological	Lupus (SLE)	089	Since M9
Mental and behavioural disorders	Depression	090	Since M9
Mental and behavioural disorders	Anxiety disorder	091	Since M9
Mental and behavioural disorders	Bipolar affective disorder	092	Since M9
Mental and behavioural disorders	Schizophrenia	093	Since M9
Mental and behavioural disorders	Obsessive-compulsive disorder	094	Since M9
Mental and behavioural disorders	Anorexia nervosa	095	Since M9
Mental and behavioural disorders	Specific phobias	096	Since M9
Mental and behavioural disorders	Behavioural disorders	097	Since M9

Pregnancy Complications reportable values

Category	Item	NOCA Value	Use
Early pregnancy condition	Threatened abortion (<20wks)	001	Pre-existing
Forces of labour	Threatened preterm labour (<37 wks)	002	Pre-existing
Infection	Urinary tract infection	003	Pre-existing
Hypertension	Pre-eclampsia	004	Pre-existing
Placenta, Membranes and liquor	Antepartum haemorrhage - placenta praevia	005	Pre-existing
Placenta, Membranes and liquor	Antepartum haemorrhage - abruption	006	Pre-existing
Placenta, Membranes and liquor	Antepartum haemorrhage - other cause	007	Pre-existing
Placenta, Membranes and liquor	Pre-labour rupture of membranes	008	Pre-existing
Diabetes	Gestational diabetes	009	Pre-existing
	Other	10	Deactivated
Hypertension	Gestational hypertension	011	Pre-existing
Hypertension	Pre-eclampsia superimposed on essential hypertension	012	Pre-existing
Hypertension	Eclampsia	013	Since M9
Hypertension	HELLP Syndrome	014	Since M9
Early pregnancy condition	Hyperemesis	020	Since M9
Fetal growth	Suspected fetal growth restriction	030	Since M9
Fetal growth	Suspected fetal macrosomia	031	Since M9
Fetal compromise	Fetal compromise (suspected)	032	Since M9
Fetal position	High head at term	034	Since M9
Fetal anomaly	Suspected fetal anomaly	035	Since M9
Fetal death	Fetal death In-utero	039	Since M9
Placenta, Membranes and liquor	Oligohydramnios	040	Since M9
Placenta, Membranes and liquor	Polyhydramnios	041	Since M9
Placenta, Membranes and liquor	Placental transfusion syndromes	042	Since M9
Placenta, Membranes and liquor	Adherent placenta (like accreta)	043	Since M9
Infection	Carrier Group B Streptococcus	050	Since M9
Infection	Renal infection	051	Since M9
Trauma	Rupture of uterus before labour	065	Since M9
Structural	Cervical insufficiency	070	Since M9
Structural	Symphysis pubis issues	076	Since M9
	Other	99	Deactivated

Labour & Birth Complications reportable values

Category	Item	NOCA Value	Use
Forces of labour	Precipitate delivery	001	Pre-existing
Fetal compromise	Fetal distress	002	Pre-existing
Fetal compromise	Prolapsed cord	003	Pre-existing
Fetal compromise	Cord tight around neck	004	Pre-existing
Delay in labour	Cephalopelvic disproportion	005	Pre-existing
Haemorrhage/Placental anomaly	PPH (≥ 500 mLs)	6	Deactivated
Haemorrhage/Placental anomaly	Retained placenta - manual removal	007	Pre-existing
Fetal position	Persistent occipito posterior	008	Pre-existing
Fetal position	Shoulder dystocia	009	Pre-existing
Delay in labour	Failure to progress ≤ 3 cms	010	Pre-existing
Delay in labour	Failure to progress >3 cms	011	Pre-existing
Structural	Previous caesarean section	012	Pre-existing
	Other	13	Deactivated
Delay in labour	Prolonged first stage of labour	020	Since M9
Delay in labour	Prolonged second stage of labour	021	Since M9
Delay in labour	Unsuccessful induction of labour	022	Since M9
Delay in labour	Prolonged ruptured membranes	024	Since M9
Forces of labour	Hypertonic or prolonged uterine contractions	030	Since M9
Forces of labour	Uterine dystocia	031	Since M9
Forces of labour	Cervical dystocia or anomaly	032	Since M9
Fetal position	Transverse or oblique fetal lie	041	Since M9
Fetal position	Incomplete rotation of fetal head	042	Since M9
Fetal position	Late diagnosis of breech i.e. during labour	043	Since M9
Fetal compromise	Cord entanglement or compression	050	Since M9
Anaesthesia	Spinal or epidural complication	060	Since M9
Hypertension	Eclampsia	065	Since M9
Haemorrhage/Placental anomaly	Intrapartum haemorrhage - praevia	070	Since M9
Haemorrhage/Placental anomaly	Intrapartum haemorrhage - abruption	071	Since M9
Haemorrhage/Placental anomaly	Intrapartum haemorrhage - Other	072	Since M9
Haemorrhage/Placental anomaly	Vasa praevia	073	Since M9
Infection	Pyrexia during labour	080	Since M9
Infection	Chorioamnionitis	081	Since M9
Trauma	Cervical laceration	090	Since M9
Trauma	Injury to bladder or ureters	091	Since M9
Trauma	Uterine laceration	092	Since M9
Trauma	Uterine inversion	093	Since M9
Trauma	Uterovaginal prolapse	094	Since M9
Trauma	Uterine rupture during labour	095	Since M9
Embolus	Amniotic fluid embolism	100	Since M9

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