



### Data Variables - Midwives Notification Systems

Items in bold red are sensitive and require justification.

Variable Name	Variable Code	Variable Description	Values	Comments
<b>Mother's Details</b>				
Date of birth	MDOB	Date of birth of mother	<b>DDMMYYYY</b> MMYYYY YYYY	From Jan 1980
Maternal age	MATAGE	Mother's age in years at time of delivery	Number	Calculated in completed years from mother's DOB and infant's DOB
<b>Maternal Postcode</b>	<b>PCODE</b>		<b>Number (NNNN)</b>	<b>From Jan 1980</b>
State	STATE	State/Territory of residence	Number	From Jan 1980
Height	HT	Number in centimetres	Number (NNN)	From Jan 1980
Weight	MWEIGHT	First weight measured during pregnancy Number in kilograms	Number (NNN)	From Jan 2012
Marital status	MS	Marital Status of mother	1 = never married 2 = widowed 3 = divorced 4 = separated 5 = married (inc. defacto) 6 = unknown	From Jan 1980, changed 1998

Variable Name	Variable Code	Variable Description	Values	Comments
Ethnic origin	ETHNIC	Ethnic origin of mother	01 = Caucasian 02 = Aboriginal/TSI 03 = Asian 04 = Indian 05 = African/Negroid 06 = Polynesian 07 = Maori 08 = Other 10 = Aboriginal not Torres Strait Islander 11 = Torres Strait Islander not Aboriginal 12 = Aboriginal and Torres Strait Islander	From Jan 1980, amended 1998, 2013 Item 03 not reported from 1 <sup>st</sup> Jan 2013 Items 10, 11, or 12 available for reporting from 1 <sup>st</sup> Jan 2013
Interpreter service required	INTERPRET_IND	Indication of whether mother required an interpreter during pregnancy	1-Yes 2-No	From Jul 2016
Language requiring interpreter	LANGUAGE_CODE	ABS language code for language of interpreter service required for mother	N(4) See ABS language codes	From Jul 2016
<b>Pregnancy Details</b>				
Previous pregnancies	MPREGS	Total number of previous pregnancies	Number	From Jan 1980
Previous pregnancy outcomes	DEAD ALIVE SB	3 Outcomes of previous pregnancies provided as total numbers  Liveborn, Now dead Liveborn, Now living Stillborn	Number (NN) Number (NN) Number (NN)	From Jan 1980 Number of previous outcomes included, e.g. 2 SB = two previous children were stillborn Each infant of a multiple birth is included in the count so will not equal number of previous pregnancies Blank or zero if there are no previous children
Previous Parity	PARITY	Total number of previous pregnancies that resulted in a birth of one or more infants and pregnancy was at least 20 weeks gestation	Number (NN)	From July 2016
Previous Caesarean Section	PREVCAES	Previous caesarean section	1 = Yes 2 = No	From Jan 1998
Number of Previous Caesarean Sections	NUMPREVCAES	Total number of pregnancies ending in	Number (N)	From Jan 2012

Variable Name	Variable Code	Variable Description	Values	Comments
		CS before this preg		
Caesarean last delivery	CAESLD	Birth mode was caesarean section for infant born from last pregnancy that reached at least 20 weeks gestation	1 = Yes 2 = No	From Jan 1998
Previous multiple birth	PREVMBTH	More than one infant was born from a single previous pregnancy that reached at least 20 weeks gestation	1 = Yes 2 = No	From Jan 1998
Estimated Gestation at first antenatal visit	ANCWEEKS	Gestation in weeks at first health care visit that included pregnancy care	Number (NN) 98 = No Antenatal care 99 = Null/undetermined	From Jan 2010
Total number of Antenatal Care Visits	TOTAL_AN_VISITS	Total number of health care visits attended that included pregnancy care	Number (NN)	From Jul 2012
Date of last menstrual period	LMP	Date of first day of menstrual period that was the last experienced prior to this birth (LMP)	DDMMYYYY or unknown	From Jan 1980 Not a mandatory field
Is the LMP date certain?	CERT	Is the woman certain that her LMP date provided is accurate?	1 = Yes 2 = No	From Jan 1980
Expected due date	DATEXP	The estimated date of delivery using LMP or ultrasound or other means to determine the date the pregnancy will be 40 weeks gestation	DDMMYYYY	From Jan 1980
Basis of expected due date	BASELMP	What method was used to calculate the due date	1 = Clinical signs/dates 2 = Ultrasound <20 weeks 3 = 20-40 weeks 8 = Unknown	From Jan 1998
Smoking during pregnancy	SMOKE	Did the woman smoke tobacco at any time during pregnancy	1 = Yes 2 = No	From Jan 1980
Number of tobacco cigarettes usually	SmKB420	Number of tobacco cigarettes usually	998 = Occasional or smoked less than 1 999 = Null/undetermined	From Jan 2010

Variable Name	Variable Code	Variable Description	Values	Comments
smoked each day during first 20 weeks of pregnancy		smoked each day during first 20 weeks of pregnancy	000 = No tobacco smoking	
Number of tobacco cigarettes usually smoked each day after 20 weeks of pregnancy	SmKAF20	Number of cigarettes usually smoked each day after 20 weeks of pregnancy	998 = Occasional or smoked less than 1 999 = Null/undetermined 000 = No tobacco smoking	From Jan 2010
Frequency of drinking an alcohol drink	ALCOHOL_FREQUENCY	How often did the woman usually drink alcohol during this pregnancy	01 = Never 02 = monthly 03 = 2 to 4 times a month 04 = 2 to 3 times a week 05 = 4 or more times a week 99 = unknown or undetermined	From Jul 2017
Number of standard alcohol drinks on a typical day	ALCOHOL_DRINKS		Number (NN)	From Jul 2017
Was screening for depression and/or anxiety conducted?	EPDS_SCREENING		1 = Yes 2 = Not offered 3 = Declined 9 = Unknown	From Jul 2017
Was additional followup indicated for perinatal mental health risk factors?	EPDS_FOLLOWUP		1 = Yes 2 = No 7 = Not applicable 9 = Unknown	From Jul 2017
Complications of pregnancy	COMPRG	Complications of pregnancy	1 = Threatened abortions (<20 weeks) 2 = Threatened preterm labour (<37 weeks) 3 = Urinary tract infection 4 = Pre-eclampsia 5 = APH – placenta praevia 6 = APH – placental abruption 7 = APH – other 8 = Pre-labour rupture of membranes 9 = Gestational diabetes 11 = Gestational hypertension 12 = pre-eclampsia superimposed on essential hypertension 10/99 = Other – ICD-10AM codes	From Jan 1980, amended changed 1993 A case may have nil to many values. ICD-10 codes reported for “Other” are not provided. From Jul 2014, items 11 and 12 were added From Jul 2017, ICD-10 codes not provided for Other conditions.

Variable Name	Variable Code	Variable Description	Values	Comments
Medical conditions	MEDCOND	Medical conditions	1 = Essential hypertension 2 = Pre-existing diabetes mellitus 3 = Asthma 4 = Genital herpes 5 = Type 1 Diabetes 6 = Type 2 Diabetes 8 = Other – ICD-10AM codes	From Jan 1980, amended 1993 A case may have nil to many values. From Jul 2014, item 2 was ceased and items 5 and 6 were added ICD-10 codes reported for “Other” are not provided. From Jul 2017, ICD-10 codes not provided for Other conditions.
Influenza vaccination during pregnancy	FLU_VAC_CODE	Vaccination for influenza	01 = Vaccinated during 1 <sup>st</sup> trimester 02 = Vaccinated during 2 <sup>nd</sup> trimester 03 = Vaccinated during 3 <sup>rd</sup> trimester 04 = Vaccinated in unknown trimester 05 = Not vaccinated 99 = Unknown if vaccinated	From Jul 2016
Pertussis vaccination during pregnancy	PERT_VAC_CODE	Vaccination for pertussis	01 = Vaccinated during 1 <sup>st</sup> trimester 02 = Vaccinated during 2 <sup>nd</sup> trimester 03 = Vaccinated during 3 <sup>rd</sup> trimester 04 = Vaccinated in unknown trimester 05 = Not vaccinated 99 = Unknown if vaccinated	From Jul 2016
Procedures/treatments	PROCTRM	Procedures/Treatments	1 = Fertility treatments 2 = Cervical suture 3 = CVS/placental biopsy 4 = Amniocentesis 5 = Ultrasounds 6 = CTG antepartum 7 = CTG intrapartum	From Jan 1993 A case may have nil to many values.
Intended place of birth at onset of labour	INTBTH	Intended place of birth at onset of labour	1 = Hospital 2 = Birth centre attached to hospital 3 = Birth centre free standing 4 = Home 8 = Other	From Jan 1998
<b>Labour Details</b>				
Onset of labour	ONSET		1 = Spontaneous 2 = Induced 3 = No labour (caesarean)	From Jan 1980, amended 1988

Variable Name	Variable Code	Variable Description	Values	Comments
Principal reason for Induction of Labour	REASON_INDUCTION	Main reason that induction of labour was performed	01 = Prolonged pregnancy 02 = Prelabour rupture of membranes 03 = Diabetes 04 = Hypertensive disorders 05 = Multiple pregnancy 06 = Chorioamnionitis 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 21 = Fetal growth restriction 22 = Fetal macrosomia 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	From July 2016
Augmentation	AUGLAB		1 = None 2 = Oxytocin 3 = Prostaglandins 4 = Artificial rupture of membranes 8 = Other	From Jan 1990 A case may have one to many values.
Induction	INDUCTN		1 = None 2 = Oxytocin 3 = Prostaglandins 4 = Artificial rupture of membranes 5 = Dilatation device i.e. Foley Catheter 8 = Other	From Jan 1998 A case may have one to many values. Item 5 added from July 2014
Analgesia (during labour)	ANALG	Anaelgesia during labour	1 = None	From Jan 1990, amended Jan 2013

Variable Name	Variable Code	Variable Description	Values	Comments
			2 = Nitrous oxide 3 = intra-muscular narcotics 4 = epidural/caudal 5 = spinal 6 = systemic opioids 7 = combined spinal/epidural 8 = Other	A case may have one to many values. Item 3 ceased from Jan 2013 Item 6 from Jan 2013
<b>Delivery Details</b>				
Duration of labour 1 <sup>st</sup> stage	HRS1ST	Duration of 1 <sup>st</sup> stage of labour in hours and minutes	HH:MM	From Jan 1998. First stage of labour commences when contractions are of sufficient frequency, intensity and duration bring about dilation of the cervix.
Duration of labour 2 <sup>nd</sup> stage	HRS2ST	Duration of 2 <sup>nd</sup> stage of labour in hours and minutes	HH:MM	From Jan 1998. Second stage of labour commences when dilation of the cervix is complete and ends with delivery of the final child.
Postnatal blood loss in mLs	PN_BLOOD_LOSS	Measured and/or estimated blood loss within 24 hours of delivery	Number (NNNNN)	From Jul 2014

Variable Name	Variable Code	Variable Description	Values	Comments
Anaesthesia (during delivery)	ANAES		1 = None 2 = Local anaesthesia to perineum 3 = Pudendal 4 = Epidural/Caudal 5 = Spinal 6 = General 7 = Combined Spinal/Epidural 8 = Other	From Jan 1984, amended 1998 A case may have one to many values.
Complications of labour and delivery	COMPLAB		1 = Precipitate delivery 2 = Fetal distress 3 = Prolapsed cord 4 = Cord tight around neck 5 = Cephalopelvic disproportion 6 = PPH ( $\geq$ 500mLs) 7 = Retained placenta – manual removal 8 = Persisten Occipito Posterior 9 = Shoulder dystocia 10 = Failure to progress $\leq$ 3cms 11 = Failure to progress $>$ 3cms 12 = Previous caesarean section 13 = Other – ICD-10AM codes	From Jan 1984, amended 1993, 1998 A case may have zero to many values. Item 6 ceased from Jul 2014 From Jul 2017, ICD-10 codes not provided for Other conditions.
Principal reason for CS	REASON_CAESAREAN		01 = fetal compromise 02 = suspected fetal macrosomia 03 = malpresentation 04 = lack of progress $\leq$ 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/ intrapartum haemorrhage 11 = multiple pregnancy 12 = unsuccessful attempt at assisted delivery 13 = unsuccessful induction 14 = cord prolapse 15 = previous caesarean section 16 = previous shoulder dystocia	From Jul 2014



Variable Name	Variable Code	Variable Description	Values	Comments
			17 = previous perineal trauma/4 <sup>th</sup> 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	
Perineal status	PERINEAL		1 = Intact 2 = 1 <sup>st</sup> degree tear/vaginal tear 3 = 2 <sup>nd</sup> degree tear 4 = 3 <sup>rd</sup> degree teat 5 = Episiotomy 6 = Episiotomy plus tear 8 = Other 9 = Not stated	From Jan 1993, amended 1998, 2013 A case may have one to many values. Item 6 not reported from 1 <sup>st</sup> Jan 2013 From Jan 2013, able to report multiple values instead of just one.
<b>Baby Details</b>				
Aboriginal status of baby	BABY_IND_CODE	Aboriginal Status of baby	1 = Aboriginal but not TSI 2 = TSI But not Aboriginal 3 = Aboriginal and TSI 4 = Other	From Jan 2011
Adoption Flag	ADOPTN	Indicator of potential for adoption of infant	1 = Yes 2 = No	From Jan 1980 Not reported from Jul 2014
Born before arrival	BBA		1 = Yes 2 = No	From Jan 1998 BBA for booked homebirths is reported if birth occurs at home before homebirth midwife arrived
Date of birth	BDOB		<b>DDMMYYYY</b> MMYYYY YYYY	From Jan 1980
Plurality	PLURAL	Number of babies in this birth	Number 1 = Singleton 2 = Twins 3 = Triplets etc	From Jan 1980, amended 1979
Baby number	BABYNO		Number	From Jan 1980 Birth Order i.e. 1 = singleton or 1 <sup>st</sup> baby in a multiple group 2 = 2 <sup>nd</sup> baby in multiple group
Presentation	PRSNT		1 = Vertex	From Jan 1980

Variable Name	Variable Code	Variable Description	Values	Comments
			2 = Breech 3 = Face 4 = Brow 8 = Other 9 = Not stated	
Waterbirth	WATER_BIRTH	Was infant born into water i.e. mother was immersed in water at time of birth	1 = Yes 2 = No	From Jul 2016
Method of birth	TYPEBTH	Delivery method-hierarchical	01 = Spontaneous vaginal 02 = Vacuum successful 03 = Vacuum unsuccessful 04 = Forceps successful 05 = Forceps unsuccessful 06 = Breech (vaginal) 07 = Elective caesarean 08 = Emergency caesarean	From Jan 1980 A case may have one to many values.  Reporting is mostly hierarchical so the last two digits represent the last delivery mode except where forceps are used at CS or at vaginal breech.
Accoucheur(s)	ACCOUCH		1 = Obstetrician 2 = Other medical practioner 3 = Midwife 4 = Student 5 = Self/no attendant 8 = Other	From Jan 1998 A case may have one to many values.  Other includes ambulance officer, partner etc
Gender	GENDER		1 = Male 2 = Female 3 = Indeterminate	From Jan 1980
Status of baby at birth	BSTATUS		1 = Liveborn 2 = Stillborn (unspecified) 3 = Antepartum Stillborn 4 = Intrapartum Stillborn	From Jan 1980, amended 2009 Items 3 and 4 commenced Jan 2009
Infant weight	INFANTWT		Number in grams	From Jan 1980
Length of baby (cms)	BLGTH		Number in centimetres	From Jan 1980
Head circumference	HEADC		Number in centimetres	From Jan 1990
Time to establish unassisted regular breathing	TSR	Time in minutes taken to establish Spontaneous Respirations	Number rounded to nearest minute	From Jan 1980, amended 1988  Livebirths that take less than 1 minute are reported as 1 minute

Variable Name	Variable Code	Variable Description	Values	Comments
Resuscitation	RESUSC		For data extracts provided from Jul 2014 1 = None 2 = Suction only 3 = Oxygen therapy 4 = Continuous Positive Airway Pressure (CPAP) 5 = Bag and mask 6 = Endotracheal intubation 7 = Ext. cardiac massage and ventilation 8 = Other	From Jan 1980, amended 1993,1998 A case may have only one value.  Prior to 1998 values reported were: 1 = None 3 = Intubation 5 = bag and mask 8 = oxygen only For period 1998 to Jun 2014 values reported and data extracts were 1 = None 2 = Suction only 3 = Oxygen therapy 4 = Bag and mask 5 = endotracheal Intubation 6 = Ext. cardiac massage and ventilation 8 = other
Agpar score at 1 minute	AGPAR1		Number (NN)	Collected from Jan 1990
Agpar score at 5 minutes	AGPAR5		Number (NN)	Collected from Jan 1980
Estimated gestation	ESTGEST	Completed weeks	Number (NN)	Collected from Jan 1984 This is the gestation estimated by midwife at time of birth with reference to the LMP, EDD and appearance of infant
Gestation	GEST		Number (NNN)	Calculated in days from EDD and infant's DOB
Baby separation date	BSEPPATE	Date baby left hospital	DDMMYYYY	Collected from Jan 1980 Date when admission completed by neonatal death, transfer or discharge to a private residence or foster home For homebirths reported as date of birth.
Baby length of stay	BLOS	Baby's length of stay in hospital in days	Number (NNN)	Calculated field from Baby DOB and Baby Separation date. Is 0 for homebirths.
Mode of separation	BMOS	Baby mode of separation	1 = Transferred 8 = Died 9 = Discharged home	Collected from Jan 1980
Transferred To	BDISCHTO	Establishment code of health service or other	0900 = home 0908 = died	Collected from Jan 1980

Variable Name	Variable Code	Variable Description	Values	Comments
		institution where infant was transferred to	0906 = homebirth service 0910 = Gaol 0915 = foster home 0921 = child welfare/adoption 0935 = Graylands Hospital 0985 = Other hospital in Australia 0999 = Unknown hospital 0104 = KEMH etc 0103 = PMH 0107 = Perth Childrens 2102 = Gaol - Bandyup	
Special Care	SPEC	Whole days spent in a level 2 or level 3 nursery at the birth site	Number (NNN)	Collected from Jan 1980 If stay less than 1 day then reported as 1 day.
<b>Geocoding</b>				
Postcode	PCODE	Postcode of usual residence	Number (NNNN)	Overseas visitors will usually have an overseas postcode reported here
<b>Collector's District</b>	<b>CD</b>	Collectors District	Number (##)	The Collector's District (CD) is the smallest geographic unit used in the collection and dissemination of census data and which, in urban areas, has about 300 dwellings, and fewer in rural CD's. The census division code, census subdivision letter and CD letter combine to provide a CD map reference. The CD Serial Number (6 digits) runs from 1 to n in each State with CD's in LGA-CD code order except where new LGA codes have been inserted. The value of n for WA is 1392. The CD number (3 digits) runs sequentially from 1 within an LGA to a maximum of 269 in the largest LGA. Due to the need to add CD's with small numbers of dwellings to adjoining CD's to avoid publishing confidential data, not all serial numbers are present in the CD Summary File data file records.
LGA	LGA	Local Government Area	Number	Collected 1996 onwards. Wouldn't this

Variable Name	Variable Code	Variable Description	Values	Comments
				be associated with postcode or suburb?
SLA	SLA	Statistical Local Area	Number	Collected 1996 onwards. Wouldn't this be associated with postcode or suburb?
Radius	RAD	Radius	Number	Collected 1993 – 2003. Wouldn't this be associated with postcode or suburb?

**Notes:**

Where there are multiple values on the NOCA form, the extracted data will appear as numbers and spaces.

E.g. a record with complications of labour could have 'urinary tract infection', 'pre-eclampsia' and 'APH – placental abruption'. In the data extract, this would look like: '\_\_\_\_0304\_\_06\_\_\_\_\_'