

National Perinatal Death Clinical Audit Tool



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Department logo here



Type of Perinatal Death

- STILLBIRTH (Fetal death)** : Death prior to the complete expulsion or extraction from its mother of a product of conception of 20 or more completed weeks of gestation or of 400 g or more birthweight where gestation is not known. The death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Please select type:

- Antepartum fetal death
 Intrapartum fetal death
 Time of fetal death not known
 Termination of pregnancy

OR

- NEONATAL DEATH**: Death of a liveborn infant occurring before 28 completed days after birth.

Please select type:

- Non-admitted neonatal death
 Neonatal death in hospital
 Termination of pregnancy

Please follow the instructions and answer all questions as directed. You may not know the answer to some of the questions but please provide as much detail as possible. Personally identifiable information collected on this form will be kept confidential. Information included in reports will be grouped and non identifiable.

Section 1: CLINICAL DATA RELEVANT TO PERINATAL DEATH

PLEASE COMPLETE THIS SECTION WITHIN 48 HOURS OF THE STILLBIRTH OR NEONATAL DEATH.

1. How many perinatal deaths are associated with this pregnancy?

2. Mother: Surname
Given name(s):
Other name(s):

3. Mother's Unit Record No:

4. Mother's date of birth: / / (DD/MM/YYYY)

5. Usual residential address of mother at time of birth:

Town/City/Locality
State
Post Code

6. Date and time of baby's birth: Date: / / (DD/MM/YYYY)
Time: . hrs (24hour Clock)

7. Date and time of baby's death (neonatal deaths):

Date: / / (DD/MM/YYYY)
Time: . hrs (24hour Clock)

8. Calculated gestation of pregnancy at birth: Completed Weeks

9. Birth weight: grams

10. Gender: Male Female Undetermined

11. Name of facility reporting:

12. Marital status: Never Married Married De facto Widowed Divorced Separated

13. Education: <High school High school Tertiary

14. Mother's occupation:

15. Mother's country of birth:

16. Mother's ethnicity:

- Aboriginal
- Torres Strait Islander
- Aboriginal & Torres Strait Islander
- Maori / Pacific Islander
- Papua New Guinean/ Timorese
- Caucasian
- Mediterranean
- Indian, Pakistani, Bangladeshi, Sri Lankan
- Cambodian, Laos, Vietnamese, Thai
- Malay, Philippino, Indonesian
- Chinese, Korean, Japanese
- Middle Eastern, Nth African
- African
- Central / Sth American
- Other, please state:

17. Mother's understanding of spoken English:

- None or Unknown
- Poor
- Average
- Good

18. Mother's height: cms
weight: kg (earliest measured in pregnancy)
If not available please measure height and weight.

19. Maternal BMI at booking: or Unknown

20. Was this a multiple pregnancy?

Yes No Unknown

If yes, what was birth order of this stillborn or deceased baby?

- First
- Second
- Other

a. Number of fetuses/babies **alive** at 20 weeks gestation:

b. Chorionicity (if known) _____

21. Mother's previous obstetric history:

a) total number of previous pregnancies: *or* Unknown

b) details of previous pregnancies (*list in order from first pregnancy- more space page 11*)

Date of Birth	Place of birth	Gestation (weeks)	Pregnancy Outcome (codes below)	Type of birth (codes below)	Birth weight	Complications (eg. IUGR) (codes below)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

Pregnancy Outcome: **LB** = live birth; **SM** = spontaneous miscarriage; **TOP** = termination of pregnancy; **E** = ectopic pregnancy; **SB** = stillbirth; **NNDE** = early neonatal death (<7 days age); **NNDL** = late neonatal death (7 days – 28 days); **NNDI** = Death 28 days – 2 years; **U** = unknown.

Type of Birth: **NVB** = normal vaginal birth; **OVD** = operative vaginal delivery; **VB** = vaginal breech; **CS** = caesarean section; **U** = unknown.

Complications: **NIL** = no complications; **HE** = hyperemesis; **APH** = ante partum haemorrhage/abruption; **CxS** = cervical stitch; **IUGR** = intrauterine growth retardation; **GDM** = gestational diabetes mellitus; **GH** = gestational hypertension; **U** = unknown; **Other** = please comment in summary section, page 11.

22. Mother's medical history (before this pregnancy)

	Yes	No	Unknown
a. Any pre-existing medical condition <i>(If no or unknown, go to question 23)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Asthma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Diabetes pre pregnancy (type 1 or 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Epilepsy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Heart condition (congenital or acquired)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Hypertension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Endocrine disorder (eg.hyper/hypothyroid)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Inflammatory bowel disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Systemic lupus erythematosus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Other autoimmune disorder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Mental health disorder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Renal disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Venous thromboembolism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Haematological disorders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Cervical/uterine surgery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Urinary tract infection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Uterine abnormality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Other, please state:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All remaining questions relate only to the pregnancy associated with this perinatal death.

23. Fertility treatment or assisted conception in this pregnancy?

Yes No Unknown

If yes, method/s and dates:

24. Is mother a smoker?

Yes If yes: per day No

If no:

Never smoked

Stopped before this pregnancy

Stopped during this pregnancy

Unknown

at gestation:

wks

25. Mother's use of alcohol and other drugs: Yes

No

Unknown

If yes specify drug and alcohol use during this pregnancy:

a) First trimester :

b) Month prior to birth:

26. Antenatal check ups :

a. Total number of antenatal visits recorded

Unknown

b. Gestation at first antenatal visit: weeks

Unknown

27. Model of antenatal maternity care:

(Select one in each column)

At booking

At birth

No booked care

Obstetric hospital

Maternal/Fetal Medicine

Hospital midwifery (eg birth centre)

Private obstetrician

Private midwife

General Practitioner/Shared

Unknown

28. Intended place of birth before labour:

29. Actual place of birth:

- Home
- Birth Centre
- Public Hospital
- Private Hospital
- Other
- Unknown

- Home
- Birth Centre
- Public Hospital
- Private Hospital
- Unattended/Freebirth
- Other

Please state name of intended place:

Please state name of actual place:

30. Obstetric conditions during this pregnancy:

Indicate all conditions known to be present during this pregnancy.

Yes

a. Hypertension

If yes indicate type of hypertension

- Gestational hypertension
- Pre-eclampsia
- Pre-eclampsia with chronic hypertension
- Eclampsia
- Unspecified

b. Preterm labour

c. Prolonged rupture of membranes

If yes indicate gestation

- Preterm - rupture < 37 weeks gestation
- Term - rupture ≥ 37 weeks gestation

d. Cholestasis of pregnancy

e. Confirmed maternal infection

If yes indicate kind of infection

- Pyelonephritis
- Lower urinary tract infection
- Other infection

If other please specify:

f. Trauma

If yes indicate kind of trauma

- Vehicular
- Fall
- Violent personal injury
- Other, please specify:

g. Vaginal bleeding

If yes indicate gestation

- Before 20 weeks
- After 20 weeks

h. Gestational diabetes

If yes indicate intervention

- Oral hypoglycaemic therapy
- Insulin treated
- Other, please specify:

i. Other obstetric condition

Please specify:

None of the above

Unknown

31. Suspected fetal growth restriction during pregnancy:

(Select one)

- No
- Yes and confirmed by scan
- Yes but normal growth on scan
- Yes but no scan performed
- Unknown

32. Antenatal procedures: (Please indicate all procedures undertaken in pregnancy **before** perinatal death)

	Yes	
First trimester screening scan	<input type="checkbox"/>	Total number of scans= <input type="text"/>
Anomaly scan at ≤ 20 gestation	<input type="checkbox"/>	
Chorion villus sampling	<input type="checkbox"/>	
Cervical suture	<input type="checkbox"/>	
Amniocentesis	<input type="checkbox"/>	
Doppler studies	<input type="checkbox"/>	
External cephalic version	<input type="checkbox"/>	
Fetocide	<input type="checkbox"/>	
Amnioreduction	<input type="checkbox"/>	
Laser treatment	<input type="checkbox"/>	
Other, please state:	<input type="checkbox"/>	
None of the above	<input type="checkbox"/>	
Unknown	<input type="checkbox"/>	

33. Please indicate if obstetric consultation occurred for these reasons: (All that apply)

No obstetric consultations	<input type="checkbox"/>
Prolonged pregnancy (>41 weeks)	<input type="checkbox"/>
Poor obstetric history	<input type="checkbox"/>
Breech presentation	<input type="checkbox"/>
Mother's request	<input type="checkbox"/>
Previous perinatal death	<input type="checkbox"/>
Size of fetus	large <input type="checkbox"/> or small <input type="checkbox"/>
Previous caesarean section	<input type="checkbox"/>
Antepartum haemorrhage	<input type="checkbox"/>
Unstable lie	<input type="checkbox"/>
Fetal abnormality	<input type="checkbox"/>
Prolonged rupture of membranes	<input type="checkbox"/>
Decreased fetal movements	<input type="checkbox"/>
Non-reassuring CTG	<input type="checkbox"/>
Polyhydramnios/Oligohydramnios	<input type="checkbox"/>
Surgery, specify:	<input type="text"/>
Other reason, specify:	<input type="text"/>

34. Was the mother referred to other healthcare services during pregnancy?

Yes No Unknown

If yes, select all applicable:

Medical	<input type="checkbox"/>
Mental health	<input type="checkbox"/>
Drug and alcohol	<input type="checkbox"/>
Social worker	<input type="checkbox"/>
Other service	<input type="checkbox"/>
If other, specify:	<input type="text"/>

35. Were maternal corticosteroids given in pregnancy?

Yes No Unknown

36. Medications taken in this pregnancy? Yes No

(Include all over the counter and traditional medicines)

If yes, list: _____

NB. If fetal death confirmed before labour, please go to question 42.

Labour and Birth:

37. Onset of labour:

Spontaneous Induced No labour Unknown

(If no labour, go to question 42)

a) If labour induced, state methods used to induce labour

Drugs used, please specify: _____

Artificial rupture of membranes (Date & Time _____)

Other, please specify: _____

b) Reason for induction:

38. Labour augmentation:

Yes No Unknown

(If yes, please select all that apply)

Artificial rupture of membranes (Date & Time _____)

Oxytocin infusion

Other, please specify: _____

39. Analgesia during labour:

Yes No Unknown

(If yes, select all relevant)

Opiate

Nitrous oxide

Epidural

Non-pharmacological – please specify _____

Other - please state: _____

40. Water immersion during labour:

Did part of labour occur in bath/pool? Yes No Unknown

(If yes)

Was the baby born in bath/pool? Yes No Unknown

41. Fetal monitoring during labour:

Yes No Unknown

(If yes select all relevant)

Intermittent auscultation

CTG on admission

Intermittent CTG

Continuous CTG external

Continuous CTG - FSE

Fetal scalp ph/lactate

Other, please state: _____

42. Method of birth of this baby

Vaginal non-instrumental

Forceps

Vacuum extractor

LSCS (see below)

Classical caesarean (see below)

Other, please state Details: _____

Unknown/not stated

If caesarean, please answer a) and b) over:

a) Main reason for caesarean: (select one)

- No medical indication
- Previous caesarean
- Breech presentation
- Pre-eclampsia
- Antepartum haemorrhage
- Maternal request
- Intra uterine fetal death (Go to Question 48.)
- Intra uterine growth restriction
- Fetal abnormality
- Fetal distress
- Cord presentation/prolapse
- Failure to progress
- Other, please specify: _____

b) Anaesthetic for operative delivery:

- General
- Spinal
- Epidural

43. Complications in labour:

(If yes, select **all** relevant)

- APH
- Meconium liquor
- Fetal bradycardia
- Non-reassuring CTG
- Cord entanglement/ prolapse
- Shoulder dystocia
- Failure to progress/dystocia
- Other, please state: _____

Yes No Unknown

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

44. Length of labour:

- a) First stage hours minutes or Unknown
- b) Second stage hours minutes or Unknown
- c) If birth occurred in hospital, state time in hospital before birth:
 days hours minutes or Unknown

45. Apgar scores:

- 1 min
- 5 min
- 10 min
- 15 min
- Unknown

46. a) Resuscitation at birth:

Yes No Unknown

If yes answer the rest of this question:

- Baby resuscitated and transferred to another clinical area
- Baby not able to be resuscitated

b) Details of resuscitation at birth: If resuscitation commenced indicate methods:

- Suction
- Oxygen
- IPPV – bag and mask
- External cardiac massage
- Medications, specify: _____
- Other resuscitation, specify: _____

State category of senior staff present: _____

47. Cord gases at birth:

Yes

No

Unknown

pH
Base deficit
CO₂
Lactate

Arterial

Venous

+ / - .
 .
 .
 .

+ / - .
 .
 .
 .

48. Baby's examination after birth (live and stillborn babies):

a) Length . cm **and** Head circumference . cm

b) External abnormalities noted on examination of baby:

Yes

No

If yes, specify (including birth trauma) _____

c) If stillborn, degree of maceration: None Slight Moderate Marked

NB. If fetal death confirmed before labour, go to question 53.

49. Was baby transferred from place of birth (eg via NETS) prior to death?

Yes

No

Unknown

If yes, where was the baby transferred to? (Select one)

NICU/SCU*

Post natal ward

Home

Died in transfer

Tertiary Services

Other

If other please state:

*Neonatal Intensive Care Unit/Special Care Unit

50. If baby admitted to hospital, provide details of further treatments.

a) Diagnoses made:

b) Investigations/procedures:

c) IV therapy and drugs:

d) Mechanical ventilation details:

e) Were active life supporting measures withdrawn?

Yes

No

f) Summary of significant neonatal events:

Date	Time	Baby's age	Event

51. Place of death if baby was born alive:

Home
Hospital Specify location in hospital:
Other Give details:

52. Baby examination after neonatal death:

External abnormalities noted on examination of the baby?

Yes No

If yes, please specify (including birth trauma) _____

53. Placental examination:

a) Placenta weight: gm or Unknown

b) Placental examination

Not examined
 Normal
 Abnormalities, please state:

c) Placenta sent to pathology: Yes No Unknown

54. Umbilical cord notable features:

Yes No Unknown

If yes, indicate **all** features noted:

True knot tight loose
Cord round neck tight loose
Cord round limbs or body tight loose
Hyper-coiled appearance
Marginal/ velamentous insertion
Abnormal cord length short long cms
Unusual thickness thin thick cms
Meconium stained
2 vessels
Other abnormality, please state:

55. Maternal outcome:

Alive and generally well
 Alive but with serious morbidity (e.g. admitted to ICU, hysterectomy, stroke).
 Dead

Please add further details in the summary (page 11) if serious maternal morbidity or mortality.

56. Post mortem examination:

a) Parents offered a post mortem examination? Yes No Unknown

Parental consent to full post mortem? Yes No

Parental consent to limited post mortem? Yes No

Parental consent to external examination? Yes No

b) Death referred to the Coroner? Yes No

57. Were there any other factors which contributed to the perinatal death?

Yes No

If yes, please specify and complete section 2.

58. Bereavement support program commenced with family? Yes No

59. Summary: Please provide any relevant information not covered in the previous questions, which you consider may have contributed to the perinatal death.

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Section 1 of this form completed by:-

Name:-

Designation:-

Contact details: - Phone-

Email-

Date:-

Please mail completed original Section 1 marked 'Confidential' to:

Insert Health Department postal details here

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SECTION 2 : CAUSE OF DEATH AND ASSOCIATED FACTORS
COMPLETE THIS SECTION AT PERINATAL MORTALITY COMMITTEE REVIEW

Mother's Surname <i>(If multiple birth, indicate birth number of this baby)</i>	
Date of perinatal death	
Gestation	
Facility reporting	

1. Classification of cause of death

A) Cause of death recorded on Medical Certificate

- i. Main disease or condition in fetus or infant: _____
- ii. Other diseases or conditions in fetus or infant: _____
- iii. Main maternal disease or condition affecting fetus or infant: _____
- iv. Other maternal diseases or conditions affecting fetus or infant: _____
- v. Other relevant circumstances _____

B) PSANZ Perinatal Mortality Classification of Cause of Death

(I) Perinatal Death Classification (PSANZ-PDC) Category
Category description _____

(II) Neonatal Death Classification (PSANZ-NDC) Category
Category classification _____

C) PSANZ Perinatal Mortality Classification of associated conditions

Associated condition 1:

(a) Perinatal Death Classification (PSANZ-PDC) Category
Category description _____

OR

(b) Neonatal Death Classification (PSANZ-NDC) Category
Category classification _____

Associated condition 2:

(a) Perinatal Death Classification (PSANZ-PDC) Category
Category description _____

OR

(b) Neonatal Death Classification (PSANZ-NDC) Category
Category classification _____

2. Post mortem Investigations and results

(a) Autopsy conducted **Yes - Full** **Yes - Limited** **No**

If yes, state limits (if applicable) and findings (or attach copy of report)

(b) Placental histopathology Yes No

If yes, state limits (if applicable) and findings (or attach copy of report)

(c) Maternal investigations

(c) State other tests and available results

3. Factors relating to care

Were any potentially contributing factors relating to provision of (or access to) care present?

Yes No If no, go to question 4.

If yes, complete table and state whether each event was **antenatal, intrapartum or postnatal**:

A. Factors related to the woman/her family/social situation	Sub-optimal factor code	Relevance to outcome code
1.		
2.		
3.		
B. Factors related to access to care		
1.		
2.		
3.		
C. Factors related to professional care		
1.		
2.		
3.		
D. Other factors:		

Suboptimal factors – coding	Relevance of sub-optimal factor to outcome - coding
R - <i>Failure to <u>recognise</u> problem</i>	I - <i>Insignificant. Sub-optimal factor(s) identified but <u>unlikely</u> to have contributed to outcome.</i>
A - <i>Failure to <u>act</u> appropriately</i>	P- <i>Possible. Sub-optimal factor(s) identified <u>might</u> have contributed to outcome.</i>
C - <i><u>Communication</u> failure</i>	S - <i>Significant. Sub-optimal factor(s) identified <u>likely</u> to have contributed to outcome</i>
S - <i>Failure to <u>supervise</u></i>	U - <i>Undetermined. Insufficient information available.</i>
H - <i>Inadequate <u>human</u> resources</i>	
O - <i><u>Other</u></i>	

4. Recommendations for practice improvement: Yes No

Recommendation 1: _____

Action required: _____

Review date: _____

Recommendation 2: _____

Action required: _____

Review date: _____

Recommendation 3: _____

Action required: _____

Review date: _____

5. Other recommendations (eg. education or research): Yes No

Recommendation 1: _____

Recommendation 2: _____

Recommendation 3: _____

6. Perinatal mortality review administrative details

Location of perinatal mortality review: _____

Date of review: _____

Review finalized? Yes No

If yes, date finalized: _____

If no, please specify outstanding areas for review _____

Section 2 of this form completed by:-

Name:- _____

Designation:- _____

Contact details: - Phone- _____

Email- _____

Date:- _____.

Please copy Section 2 for perinatal mortality committee records and mail completed original marked 'Confidential' to:

Insert Health Department postal details here

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SECTION 3 : PERINATAL DEATH FOLLOW-UP (OPTIONAL)

COMPLETE THIS SECTION WHEN MOTHER DISCHARGED FROM MEDICAL CARE
(FILE IN CASE NOTES)

1. Follow-up visits for family

Obstetrician: _____ Yes Date/time: _____

Neonatologist: _____ Yes Date/time: _____

Midwife: _____ Yes Date/time: _____

General Practitioner: _____ Yes (Date/time: _____)

Bereavement support: _____ Yes Date/time: _____

Other, specify _____ Yes Date/time: _____

G.P. notified of the perinatal death: Yes Date notified: _____

Genetic counselling required? Yes No
If yes, please specify _____

Further investigations required? Yes No
If yes, please specify _____

Specific religious or cultural considerations? Yes No
If yes, please specify _____

Other relevant information: _____

2. Other investigations proceeding:

Coroner's case Yes No
Please provide details: _____

Sentinel event report Yes No
Please provide details: _____

Root Cause Analysis report Yes No
Please provide details: _____

Perinatal Mortality Review Committee Yes No
Please provide details: _____

Section 3 of this form completed by:-

Name:-

Designation:-

Contact details: -

Phone-

Date:-

Email-