Specification for revisions to the Victorian Perinatal Data Collection (VPDC) for 1 January 2019

July 2018

Contents

Introduction

The revisions for the Victorian Perinatal Data collection are summarised below:

New data items

- Maternal alcohol use at less than 20 weeks
- Maternal alcohol volume at less than 20 weeks
- Maternal alcohol use at 20 weeks or more
- Maternal alcohol volume intake at 20 weeks or more
- Antenatal corticosteroid exposure
- Chorionicity of multiples

Amendments to existing data items
- Episode identifier

Proposal does not proceed
- Previous preterm birth

Orientation of the document

New data items are marked as (new).

Changes to existing data items are highlighted in green.

Redundant values and definitions relating to existing items are struck through.

Comments relating only to the proposal document appear in *[square brackets and italics].*

New validations are marked ###

Validations to be changed are marked * when listed as part of a data item or below a validation table.

Anticipated changes are shown under the appropriate manual section headings.

Section 3 : Data Definitions

Maternal alcohol use at less than 20 weeks (new)

Specification

Definition	A self-reported indicator of alcohol frequency intake at any time during the first 20 weeks of her pregnancy		
Representation class	Code	**Data type**	Number
Format	N	**Field size**	1
Location	Episode record	**Position**	135

Permissible values

Code	Descriptor
1	Never
2	Monthly or less
3	2-4 times a month
4	2-3 times a week
5	4 or more times are week
9	Not stated / inadequately described

Reporting guide	Report the statement that best describes maternal alcohol use behaviour during pregnancy before 20 weeks gestation
Reported by	All Victorian hospitals where a birth has occurred and homebirth practitioners
Reported for	All birth episodes
Related concepts (Section 2):	Not specified
Related data items (this section):	Maternal alcohol volume intake at less than 20 weeks
Related business rules (Section 4):	Mandatory to report data items
Related business rules (Section 6):	E001 Mandatory element missing

Administration

Principal data users	Consultative Council on Obstetric Paediatric Mortality and Morbidity		
Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Maternal alcohol volume intake at less than 20 weeks (new)

Specification

Definition	A self-reported indicator of alcohol volume intake at any time during the first 20 weeks of her pregnancy		
Representation class	Code	**Data type**	Number
Format	N	**Field size**	1
Location	Episode record	**Position**	136

Permissible values

Code	Descriptor
1	1 or 2 standard drinks
2	3 or 4 standard drinks
3	5 or 6 standard drinks
4	7 to 9 standard drinks
5	10 or more standard drinks
9	Not stated / inadequately described

Reporting guide	Report the average number of standard drinks consumed per occasion when drinking
Reported by	All Victorian hospitals where a birth has occurred and homebirth practitioners
Reported for	All birth episodes who report any alcohol intake in the first 20 weeks of pregnancy
Related concepts (Section 2):	Not specified
Related data items (this section):	Maternal alcohol use at less than 20 weeks
Related business rules (Section 4):	Not specified
Related business rules (Section 6):	E002 Conditional mandatory element missing

Administration

Principal data users	Consultative Council on Obstetric Paediatric Mortality and Morbidity		
Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Maternal alcohol use at 20 or more weeks (new)

Specification

Definition	A self-reported indicator of alcohol frequency at 20 or more weeks of her pregnancy		
Representation class	Code	**Data type**	Number
Format	N	**Field size**	1
Location	Episode record	**Position**	137

Permissible values

Code	Descriptor
1	Never
2	Monthly or less
3	2-4 times a month
4	2-3 times a week
5	4 or more times are week
9	Not stated / inadequately described

Reporting guide	Report the statement that best describes maternal alcohol use behaviour at 20 or more weeks' gestation
Reported by	All Victorian hospitals where a birth has occurred and homebirth practitioners
Reported for	All birth episodes
Related concepts (Section 2):	None specified
Related data items (this section):	Maternal alcohol volume intake at 20 or more weeks
Related business Rules (Section 4):	Mandatory to report data items
Relating business Rules (Section 6):	E001 Mandatory element missing

Administration

Principal data users	Consultative Council on Obstetric Paediatric Mortality and Morbidity		
Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Maternal alcohol volume intake at 20 or more weeks (new)

Specification

Definition	A self-reported indicator of alcohol volume intake at 20 or more weeks of her pregnancy		
Representation class	Code	**Data type**	Number
Format	N	**Field size**	1
Location	Episode record	**Position**	138

Permissible values

Code	Descriptor
1	1 or 2 standard drinks
2	3 or 4 standard drinks
3	5 or 6 standard drinks
4	7 to 9 standard drinks
5	10 or more standard drinks
9	Not stated / inadequately described

Reporting guide	Report the average number of standard drinks consumed per occasion when drinking
Reported by	All Victorian hospitals where a birth has occurred and homebirth practitioners
Reported for	All birth episodes who report any alcohol intake at 20 or more weeks' gestation
Related concepts (Section 2):	Not specified
Related data items (this section):	Maternal alcohol use at 20 or more weeks
Related business Rules (Section 4):	Not specified
Relating business Rules (Section 6):	E002 Conditional mandatory element missing

Administration

Principal data users	Consultative Council on Obstetric Paediatric Mortality and Morbidity		
Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Antenatal corticosteroid exposure (new)

Specification

Definition	Administration of any antenatal dose of steroids for the purpose of fetal lung maturation

Representation class	Code	**Data type**	N
Format	N	**Field size**	1
Location	Episode record	**Position**	139

Permissible values

Code	Descriptor
1	None
2	One dose
3	Two doses (one course)
4	More than two doses
9	Not stated/adequately described

Reporting guide	Report the number of steroid doses given during the pregnancy episode
Reported by	All Victorian Hospital where a live birth has occurred and homebirth practitioners
Reported for	All live birth episodes
Related concepts (Section 2):	None specified
Related data items (this section):	The number of steroid doses
Related business Rules (Section 4):	Birth status
Relating business Rules (Section 6):	E002 Conditional mandatory element missing

Administration

Principal data users	Consultative Council on Obstetric Paediatric Mortality and Morbidity		
Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Chorionicity of multiples (new)

Specification

Definition	The number of chorionic membranes that surround the index fetus in a multiple pregnancy		
Representation class	Code	**Data type**	Number
Format	N	**Field size**	1
Location	Episode record	**Position**	140

Permissible values

Code	Descriptor
1	Monochorionic
2	Dichorionic
3	Trichorionic
9	Not stated / inadequately described

Reporting guide Report the number of chorionic membranes surrounding the index fetus in multiple pregnancy – ie monochorionic, dichorionic and trichorionic

Reported by All Victorian hospitals where a multiple birth has occurred and homebirth practitioners

Reported for All birth episodes with a birth plurality of two or three

Related concepts (Section 2): None specified

Related data items (this section): Birth plurality

Related business rules (Section 4): Birth plurality

Relating business Rules (Section 6): E002 Conditional mandatory element missing

Administration

Principal data users Consultative Council on Obstetric Paediatric Mortality and Morbidity

Definition source	DHHS	**Version**	1. January 2019
Codeset source	DHHS	**Collection start date**	2019

Episode identifier (amend)

Specification

Definition	An identifier, unique to the birth episode within the submitting organisation. ~~This field is optional - where completed,~~ It will be used to manage new/updated submitted information.		
Representation class	Identifier	**Data type**	String
Format	A(9)	**Field size**	9
Location	Episode record	**Position**	130
Permissible values	Permissible characters: a–z and A–Z numeric characters		
Reporting guide	System generated. Individual sites may use their own alphabetic, numeric or alphanumeric coding system. ~~If a system is unable to assign unique episode identifiers for all episodes, then report 999999999 for all episodes.~~		
Reported by	All Victorian hospitals where a birth has occurred and homebirth practitioners		
Reported for	All birth episodes		
Related concepts (Section 2):	None specified		
Related data items (this section):	Patient identifier – mother Patient identifier – baby		
Related business rules (Section 4):	None specified		
Relating business Rules (Section 6):	E001 Mandatory element missing E004 Invalid Code		

Administration

Principal data users	Not applicable		
Definition source	DHHS	**Version**	1. January 2017 2. January 2019
Codeset source	DHHS	**Collection start date**	2017

Section 5: Compilation and submission

File structure specifications

The file structure details the sequence, length, type and layout of data items to be submitted.

File structure notes:

- Do not zero fill items unless specified
- Padding fields with space characters (either to the left or right) is not necessary and should be avoided.
- Deleted fields will retain their position number. Any data submitted in these fields will not be processed.

Header record

The header record must be included as the first record of all submission files reported to the VPDC.

Episode records within a data submission file must be reported as per the version of the data collection as specified in the header record. For example, to submit new records for births between 1 December 2018 and 31 January 2019, two data submission files are to be compiled:

- The first containing records for births from 1 December 2018 to 31 December 2018 (inclusive) as per the appropriate specifications with the version identifier reported as '2018' in the header and episode records
- The second containing records for births from 1 January 2019 to 31 January 2019 (inclusive) as per the appropriate specifications with the version identifier reported as '2019' in the header and episode records

The convention for naming is:

CCCC | VVVV | NNNN | YYYYMMDDhhmm | TT | NNNNN | AAA…AAA

where:

CCCC:	=	Collection identifier
VVVV:	=	Version identifier
NNNN:	=	Hospital code (agency identifier)
YYYYMMDDhhmm:	=	Data submission identifier
TT:	=	Submission number
NNNNN:	=	Number of records following
AAA…AAA:	=	Name of software

Episode records

Position number	Data item name	Data type	Format	Field size
1	Collection identifier	String	AAAA	4
2	Version identifier	Number	NNNN	4
3	Transaction type flag	String	A	1
4	Hospital code (agency identifier)	String	AAAA	4
5	Patient identifier – mother	String	A(10)	10
6	Patient identifier – baby	String	A(10)	10
7	Date of admission – mother	Date/time	DDMMCCYY	8
8	Surname / family name – mother	String	A(40)	40
9	First given name – mother	String	A(40)	40
10	Middle name – mother	String	A(40)	40
11	Residential locality	String	A(46)	46
12	Residential postcode	Number	NNNN	4
13	Residential road number – mother	String	A(300)	12
14	Residential road name – mother	String	A(45)	45
15	Residential road suffix code – mother	String	AA	2
16	Residential road type – mother	String	AAAA	4
17	Admitted patient election status – mother	Number	N	1
18	Country of birth	Number	NNNN	4
19	Indigenous status – mother	Number	N	1
20	Indigenous status – baby	Number	N	1
21	Marital status	Number	N	1
22	Date of birth – mother	Date/time	DDMMCCYY	8
23	Height – self-reported – mother	Number	NNN	3
24	Weight – self-reported – mother	Number	NN[N]	3
25	Setting of birth – intended	Number	NNNN	4
26	Setting of birth – intended – other specified	String	A(20)	20

	description			
27	Setting of birth, actual	Number	NNNN	4
28	Setting of birth, actual – other specified description	String	A(20)	20
29	Setting of birth – change of intent	Number	N	1
30	Setting of birth – change of intent – reason	Number	N	1
31	Maternal smoking < 20 weeks	Number	N	1
32	Maternal smoking ≥ 20 weeks	Number	NN	2
33	Gravidity	Number	N[N]	2
34	Total number of previous live births	Number	NN	2
35	Parity	Number	NN	2
36	Total number of previous stillbirths (fetal deaths)	Number	N	2
37	Total number of previous neonatal deaths	Number	NN	2
38	Total number of previous abortions – spontaneous	Number	NN	2
39	Total number of previous abortions – induced	Number	NN	2
40	Total number of previous ectopic pregnancies	Number	NN	2
41	Total number of previous unknown outcomes of pregnancy	Number	NN	2
42	Date of completion of last pregnancy	Date/time	{DD}MMCCYY	6 (8)
43	Outcome of last pregnancy	Number	N	1
44	Last birth – caesarean section indicator	Number	N	1
45	Total number of previous caesareans	Number	NN	1
46	Plan for VBAC	Number	N	1
47	Estimated date of confinement	Date/time	DDMMCCYY	8
48	Estimated gestational age	Number	NN	2
49	Maternal medical conditions – free text	String	A(300)	300
50	Maternal medical conditions – ICD-10-AM code	String	ANN[NN]	5 (X12)
51	Obstetric complications – free text	String	A(300)	300

52	Obstetric complications – ICD-10-AM code	String	ANN[NN]	5 (x15)
53	Gestational age at first antenatal visit	Number	N[N]	2
54	Discipline of antenatal care provider	Number	N	1
55	Procedure – free text	String	A(300)	300
56	Procedure – ACHI code	Number	NNNNNNN	7 (x8)
57	Deleted field			
58	Deleted field			
59	Deleted field			
60	Artificial reproductive technology – indicator	Number	N	1
61	Date of onset of labour	Date/time	DDMMCCYY	8
62	Time of onset of labour	Date/time	HHMM	4
63	Date of onset of second stage of labour	Date/time	DDMMCCYY	8
64	Time of onset of second stage of labour	Date/time	HHMM	4
65	Date of rupture of membranes	Date/time	DDMMCCYY	8
66	Time of rupture of membranes	Date/time	HHMM	4
67	Labour type	Number	N	1 (x3)
68	Labour induction/augmentation agent	Number	N	1 (x4)
69	Labour induction/augmentation agent – other specified description	String	A(20)	20
70	Indication for induction – free text	String	A(50)	50
71	Indication for induction – ICD-10-AM code	String	ANN[NN]	5 (X1)
72	Fetal monitoring in labour	String	NN	2 (x7)
73	Birth presentation	Number	N	1
74	Method of birth	Number	NN	2
75	Indications for operative delivery – free text	String	A(300)	300
76	Indications for operative delivery – ICD-10-AM code	String	ANN[NN]	5 (x4)
77	Analgesia for labour – indicator	Number	N	1
78	Analgesia for labour – type	Number	N	1 (x4)

79	Anaesthesia for operative delivery – indicator	Number	N	1
80	Anaesthesia for operative delivery – type	Number	N	1 (x4)
81	Events of labour and birth – free text	String	A(300)	300
82	Events of labour and birth – ICD-10-AM code	String	ANN[NN]	5 (x9)
83	Prophylactic oxytocin in third stage	Number	N	1
84	Manual removal of placenta	Number	N	1
85	Perineal laceration – indicator	Number	N	1
86	Perineal / genital laceration – degree/type	Number	N	1 (x2)
87	Perineal laceration – repair	Number	N	1
88	Episiotomy – indicator	Number	N	1
89	Estimated blood loss (ml)	Number	N[NNNN]	5
90	Blood product transfusion – mother	Number	N	1
91	Postpartum complications – free text	String	A(300)	300
92	Postpartum complications – ICD-10-AM – code	String	ANN[NN]	5 (x6)
93	Discipline of lead intra-partum care provider	Number	N	1
94	Admission to high dependency unit (HDU) / intensive care unit (ICU) – mother	Number	N	1
95	Date of birth – baby	Date/time	DDMMCCYY	8
96	Time of birth	Date/time	HHMM	4
97	Sex – baby	Number	N	1
98	Birth plurality	Number	N	1
99	Birth order	Number	N	1
100	Birth status	Number	N	1
101	Birth weight	Number	NN[NN]	4
102	Apgar score at one minute	Number	N[N]	2
103	Apgar score at five minutes	Number	N[N]	2
104	Time to established respiration (TER)	Number	NN	2
105	Resuscitation method – mechanical	String	NN	2 (x10)

106	Resuscitation method – drugs	Number	N	1 (x5)
107	Congenital anomalies – indicator	Number	N	1
108	Deleted field			
109	Deleted field			
110	Deleted field			
111	Neonatal morbidity – free text	String	A(300)	300
112	Neonatal morbidity – ICD-10-AM code	String	ANN[NN]	5 (x10)
113	Admission to special care nursery (SCN) / neonatal intensive care unit (NICU) – baby	Number	N	1
114	Hepatitis B vaccine received	Number	N	1
115	Breastfeeding attempted	Number	N	1
116	Formula given in hospital	Number	N	1
117	Last feed before discharge taken exclusively from the breast	Number	N	1
118	Separation date – mother	Date/time	DDMMCCYY	8
119	Separation date – baby	Date/time	DDMMCCYY	8
120	Separation status – mother	Number	N	1
121	Separation status – baby	Number	N	1
122	Transfer destination – mother	Number	NNNN	4
123	Transfer destination – baby	Number	NNNN	4
124	Number of antenatal care visits	Number	NN	2
125	Influenza vaccination status	Number	N	1
126	Pertussis (whooping cough) vaccination status	Number	N	1
127	Spoken English Proficiency	Numeric	N	1
128	Year of arrival in Australia	Number	NNNN	4
129	Head circumference	Number	NNNN	4
130	Episode identifier	String		9
131	Fetal monitoring prior to birth – not in labour	String	NN (x7)	2 (x7)
132	Reason for transfer out – baby	Number	N	1

133	Reason for transfer out – mother	Number	N	1
134	Congenital anomalies – ICD-10-AM code	String	ANN[NN] (x9)	5 (x9)
135	Maternal alcohol use at less than 20 weeks	Code	N	1
136	Maternal alcohol volume intake at less than 20 weeks	Code	N	1
137	Maternal alcohol use at 20 or more weeks	Code	N	1
138	Maternal alcohol volume intake at 20 or more weeks	Code	N	1
139	Antenatal corticosteroid exposure	Code	N	1
140	Chorionicity of multiples	Code	N	1

Proposals for revisions to the VPDC 1 January 2019

Section 6: Validations

E001 – Mandatory Element Missing

E001	Mandatory Element Missing	
Problem	A value was not provided for each mandatory element	
Solution	Ensure each mandatory element is completed. For a list of mandatory elements see	
Validations	**Element Name**	**Message**
	Maternal alcohol use at less than 20 weeks	A value must be provided for the mandatory element 'Maternal alcohol use at less than 20 weeks'
	Maternal alcohol use at 20 or more weeks	A value must be provided for the mandatory element 'Maternal alcohol use at 20 or more weeks'
	Episode Identifier	A value must be provided for the mandatory element 'Episode Identifier'

E002 – Conditionally Mandatory Element Missing

E002	Conditionally Mandatory Element Missing	
Problem	A complete record	
Solution	Ensure each conditional mandatory element is completed. For a list of mandatory elements see	
Validations	**Element Name**	**Message**
	Maternal alcohol volume intake at less than 20 weeks	A value for the data element * Maternal alcohol volume intake at less than 20 weeks is mandatory when the following conditions are met: * Maternal alcohol use at less than 20 weeks ; Reported Value '1- 1 or 2 standard drinks' '2- 3 or 4 standard drinks' '3- 5-6 standard drinks' '4- 7-9 standard drinks' '5-10 or more standard drinks'
	Maternal alcohol volume intake at 20 or more weeks	A value for the data element * Maternal alcohol volume intake at 20 or more weeks is mandatory when the following conditions are met:

		*Maternal alcohol volume intake at 20 or more weeks; Reported Value '1- 1 or 2 standard drinks' '2- 3 or 4 standard drinks' '3- 5-6 standard drinks' '4- 7-9 standard drinks' '5-10 or more standard drinks'
	Antenatal corticosteroid exposure	A value for the data element * Antenatal corticosteroid exposure is mandatory when the following conditions are met: *Birth Status; Reported Value '1- Liveborn'
	Chorionicity of multiples	A value for the data element *Chorionicity of multiples is mandatory when the following conditions are met: *Birth plurality; Reported Value '2- Twins' '3- Triplets'

E004 – Invalid Code

E004	Invalid Code	
Problem	The code reported is not valid	
Solution	Report a valid code	
Validations	**Element Name**	**Message**
	Episode Identifier	Invalid Code Supplied '999999999' for field Episode Identifier. Value must be unique