Closing the Gap/Child Health Check Initiative: Ear, nose and throat operation summary form DSS

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Identifying and definitional attributes

Metadata item type:	Data Set Specification
METEOR identifier:	507516
Registration status:	Indigenous, Standard 05/12/2017
DSS type:	Data Set Specification (DSS)
Scope:	The Child Health Check Initiative (CHCI) was initiated under the Northern Territory (NT) Emergency Response in June 2007. As a component of the CHCI, the Australian Government funded the NT government to provide follow-up audiology and ear, nose and throat (ENT) services, including consultation and surgery, to Aboriginal and Torres Strait Islander children in prescribed areas of the NT. This continued under the Closing the Gap (CtG) initiative between July 2009 and June 2012, and the National Partnership Agreement on Stronger Futures in the Northern Territory (SFNT) from July 2012.
	Indigenous children who were referred to ENT services as part of their Child Health Check or CtG audiology services were the main target group for the ENT services. However, other Indigenous children aged 15 or less covered by the CHCI who required ENT services may have also received these services. Under the SFNT, the eligibility for audiology services was broadened to all Indigenous children aged under 16 in the NT.
	The clinical diagnoses are based on case history, audiology and ostoscopy information collected through teleotology protocol with no direct examination by the ENT specialist.

Collection and usage attributes

Guide for use:	The follow-up services were delivered by the NT Department of Health (NT DoH) and Aboriginal medical services.
	Children aged 5 or over with otitis media with effusion (OME) that has persisted for more than 3 months and had associated bilateral hearing loss are considered for ENT surgical intervention. Children with inactive chronic suppurative otitis media (CSOM) dry perforation, who are older than 8 years, are also considered for ENT intervention.
	Acute otitis media conditions and active CSOM will generally not be considered suitable for surgical intervention until the underlying active infection is treated and maintained through primary health intervention.
	Surgeries are discussed with children's families before operation, including pre and post-surgical care which may be ongoing for up to 3 years. Families are also provided with resources to support discussion of the types of surgeries being performed.
Collection methods:	The Australian Institute of Health and Welfare (AIHW) only receives confidentialised unit record level information on those children for which consent for data provision to the AIHW has been obtained.

| **Comments:** | Glossary terms that are relevant to this DSS include: |

- **grommet**
- **perforation**
- **tympanic membrane**
- **myringoplasty**
- **myringotomy**
- **adenoidectomy**
- **olivocochlear**
- **chronic otitis media**

The term 'Aboriginal and Torres Strait Islander people' is preferred when referring to the separate Indigenous peoples of Australia. However, the term 'Indigenous' is used interchangeably with 'Aboriginal and Torres Strait Islander' in this data set specification to assist readability.

Two versions of the CtG ENT operation summary form were used by the NT Department of Health and Families to collect ENT surgery information—version 1 was used between October and November 2009 and version 2 used between December 2009 and October 2010.

The key differences between the forms are:

- version 2 includes an additional data field: 'community' which includes the community name where the surgery recipient resides
- surgery types in the 'Surgery description' field are different between versions 1 and 2.

The Closing the Gap/Child Health Check Initiative: Ear, nose and throat operation summary form DSS is based on version 2 of the CtG ENT operation summary form.

As this DSS was created for the purposes of the CHCI project the metadata would be most suitable for service monitoring.

Source and reference attributes

Submitting organisation:	Department of Health
	Australian Institute of Health and Welfare
Steward:	Australian Institute of Health and Welfare
Reference documents:	AIHW (Australian Institute of Health and Welfare) 2012. Northern Territory Emergency Response Child Health Check Initiative: follow-up services for oral and ear health: final report, 2007-2012. Cat. no. DEN 223. Canberra: AIHW
	Harris P, Nagy S, Vardaxis N (eds) 2010. Mosby's Dictionary of Medicine, Nursing & Health Profession, 2nd Australian and New Zealand edn. NSW: Mosby Elsevier

Relational attributes

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
1	Ear operation details cluster	Mandatory	2

Seq No.	Metadata item	Obligation	Max occurs
1	Service event—date of service, DDMMYYYY	Mandatory	1

DSS specific information:

This data element is used to record the date of the operation. The date is recorded as DD/MM/YY. Slashes must be entered.

'01/01/1800' is used to record data that is invalid.

'01/01/1900' is used to record data that is not stated.

Seq No.	Metadata item	Obligation	Max occurs
2	Patient—name of Northern Territory hospital, code AA[A]	Mandatory	1

DSS specific information:

This data element is used to record the name of the hospital performing the ear surgery.

Seq No.	Metadata item	Obligation	Max occurs
3	Patient—post-operative transport home, code N	Mandatory	1
4	Discrete Indigenous community—Indigenous community name, text AA[A(38)]	Conditional	1

Conditional obligation:

Applicable if the Indigenous community identifier has not been provided.

DSS specific information:

This data element is used to record the name of the community, town camp or homeland where the service was provided.

Seq No.	Metadata item	Obligation	Max occurs
5	Discrete Indigenous community—identifier, AANNA	Conditional	1

Conditional obligation:

Applicable if the Indigenous community name has not been provided.

DSS specific information:

This data element is used to record the identifier of the community, town camp or homeland where the service was provided.

Seq No.	Metadata item	Obligation	Max occurs
6	Person (name)—given name, text X[X(39)]	Mandatory	2

DSS specific information:

This data element is used to record the given name for the patient and the specialist.

Seq No.	Metadata item	Obligation	Max occurs
7	Person (name)—family name, text X[X(39)]	Mandatory	2

DSS specific information:

This data element is used to record the family name for the patient and the specialist.

Seq No.	Metadata item	Obligation	Max occurs
8	Person—date of birth, DDMMYYYY	Mandatory	1

DSS specific information:

The date is recorded as DD/MM/YY. Slashes must be entered.

'01/01/1800' is used to record data that is invalid.

'01/01/1900' is used to record data that is not stated.

9	Person—sex, code N	Mandatory	1

DSS specific information:

In this data set Code 9 is used to record data that is missing.

10	Person—person identifier, XXXXXX[X(14)]	Mandatory	1

DSS specific information:

This data element is used to record the Hospital Registration Number (HRN).

HRNs are allocated to people when they are born in Northern Territory public hospitals or when they first attend a Northern Territory public hospital to receive a service. It is a unique number that is not associated with a Medicare number. As at May 2013, the HRNs are either 6 or 7 digits long but there is capacity to increase to more digits as required.

A person's HRN does not change. It remains with them for the duration of their life.

'88888888' is used to record data that is invalid.

'99999999' is used to record data that is not stated.

2	Pre-operative examination of ear cluster	Conditional	2

DSS specific information:

In the case where a pre-operative examination is performed on both the left and right ear, data elements in this cluster should be used to record information for each ear.

1	Patient—side of ear, left/right code A	Mandatory	1
2	Patient—ear assessment indicator, yes/no code N	Mandatory	1
3	Patient—external auditory meatus condition, code N[N]	Conditional	5

Conditional obligation:

Conditional on a 'yes' response to Patient—ear assessment indicator, yes/no code N.

4	Patient—intact tympanic membrane indicator, yes/no code N	Mandatory	1

Seq No.	Metadata item	Obligation	Max occurs
5	Patient—intact tympanic membrane condition, code N	Conditional	4

Conditional obligation:

Conditional on a 'yes' response to Patient—intact tympanic membrane indicator, yes/no code N.

Seq No.	Metadata item	Obligation	Max occurs
6	Patient—tympanic membrane perforation indicator, yes/no code N	Conditional	1

Conditional obligation:

Conditional on a 'no' response to Patient—intact tympanic membrane indicator, yes/no code N.

Seq No.	Metadata item	Obligation	Max occurs
7	Patient—ear grommet indicator, yes/no code N	Mandatory	1

DSS specific information:

Code 7 is not used in this data set.

In this data set, code 8 is used to record data that is invalid and code 9 is used to record data that is missing.

Seq No.	Metadata item	Obligation	Max occurs
8	Patient—tympanic membrane perforation location, code N	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—tympanic membrane perforation indicator, yes/no code N.

DSS specific information:

In this data set, code 8 is used to record when the data is invalid and code 9 is used to record when the data is missing.

Seq No.	Metadata item	Obligation	Max occurs
9	Patient—tympanic membrane perforation status, code N	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—tympanic membrane perforation indicator, yes/no code N.

DSS specific information:

In this data set, code 8 is used to record when the data is invalid and code 9 is used to record when the data is missing.

Seq No.	Metadata item	Obligation	Max occurs
10	Patient—tympanic membrane perforation wet condition, code N	Conditional	1

Conditional obligation:

Conditional on a 'wet' response to Patient—tympanic membrane perforation status, code N.

Seq No.	Metadata item	Obligation	Max occurs
11	Patient—tympanic membrane perforation size, code N	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—tympanic membrane perforation indicator, yes/no code N.

Seq No.	Metadata item	Obligation	Max occurs
12	Pre-operative diagnosis cluster	Mandatory	2
1	Patient—pre-operative ear health diagnosis, code N[N]	Mandatory	1
2	Patient—pre-operative ear health diagnosis, text X[X(99)]	Conditional	1

Conditional obligation:

Conditional on an 'Other ear health diagnosis' response to Patient—pre-operative ear health diagnosis, code N[N].

DSS specific information:

This data element is used to record the health-care professional's comments about a patient's pre-operative ear health diagnosis.

Seq No.	Metadata item	Obligation	Max occurs
3	Patient—chronic otitis media type, code N[N]	Conditional	1

Conditional obligation:

Conditional on a 'Chronic Otitis Media (COM)' response to Patient—pre-operative ear health diagnosis, code N[N].

Seq No.	Metadata item	Obligation	Max occurs
3	Ear and nose surgery cluster	Mandatory	2

DSS specific information:

In the case where surgery is performed on both the left and right ear, data elements in this cluster should be used to record information for each ear.

Seq No.	Metadata item	Obligation	Max occurs
1	Patient—side of ear, left/right code A	Mandatory	2

DSS specific information:

The side of the ear is to be recorded when 'yes' is recorded for the following data elements:

- Patient—myringoplasty indicator, yes/no code N
- Patient—revision myringoplasty indicator, yes/no/not applicable/unknown/not stated/inadequately described code N
- Patient—myringotomy indicator, yes/no code N
- Patient—exploration under anaesthesia indicator, yes/no code N
- Patient—exploration of middle ear (ME) indicator, yes/no code N
- Patient—remove tubes indicator, yes/no code N
- Patient—other surgical procedure performed indicator, yes/no code N.

Seq No.	Metadata item	Obligation	Max occurs
2	Myringoplasty cluster	Mandatory	1
1	Patient—myringoplasty indicator, yes/no code N	Mandatory	1

Seq No.	Metadata item	Obligation	Max occurs
2	Patient—revision myringoplasty indicator, yes/no code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
3	Patient—myringoplasty approach type, code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
4	Patient—myringoplasty graft type, code N[N]	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
5	Patient—myringoplasty graft attachment type, code N[N]	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
6	Patient—state of middle ear, code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
7	Patient—olivocochlear intact indicator, yes/no code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
8	Patient—olivocochlear mobile indicator, yes/no code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringoplasty indicator, yes/no code N.		
3	Myringotomy cluster	Mandatory	1
1	Patient—myringotomy indicator, yes/no code N	Mandatory	1
2	Patient—fluid in middle ear indicator, yes/no code N	Conditional	1
	Conditional obligation:		
	Conditional on a 'yes' response to Patient—myringotomy indicator, yes/no code N.		

Seq No.	Metadata item	Obligation	Max occurs
3	Patient—type of fluid in middle ear, code N	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—fluid in middle ear indicator, yes/no code N.

Seq No.	Metadata item	Obligation	Max occurs
4	Patient—ear grommet indicator, yes/no code N	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—myringotomy indicator, yes/no code N.

DSS specific information:

If 'yes' is selected, the data element: Patient—type of grommet, text X[X(99)] should also be completed.

Code 7 is not used for this data element.

Code 8 is used to record data that is invalid.

Code 9 is used to record data that is missing.

Seq No.	Metadata item	Obligation	Max occurs
5	Patient—type of grommet, text X[X(99)]	Conditional	1

Conditional obligation:

Conditional on a 'yes' response to Patient—ear grommet indicator, yes/no code N.

DSS specific information:

This data element is used to record the health-professional's comments on the type of grommet a patient has inserted through their tympanic membrane.

Seq No.	Metadata item	Obligation	Max occurs
6	Patient—comment, text X[X(99)]	Optional	1

DSS specific information:

This data element is used to record the health-care professional's comments about a patient's myringotomy.

Seq No.	Metadata item	Obligation	Max occurs
4	Patient—adenoidectomy indicator, yes/no code N	Mandatory	1
5	Patient—exploration under anaesthesia indicator, yes/no code N	Mandatory	1
6	Patient—exploration of middle ear indicator, yes/no code N	Mandatory	1
7	Patient—comment, text X[X(99)]	Optional	3

DSS specific information:

This data element should be used to record:

- a description of the Exploration under anaesthesia
- a description of the Exploration of the middle ear
- the reason the surgery performed is different to the surgery requested.

Seq No.	Metadata item	Obligation	Max occurs
8	Patient—remove tubes indicator, yes/no code N	Mandatory	2

Seq No.	Metadata item	Obligation	Max occurs
9	Patient—other surgical procedure performed indicator, yes/no code N	Mandatory	2
4	Patient—comment, text X[X(99)]	Optional	1

DSS specific information:

This data element is used to record comments that have not be collected elsewhere.

| 5 | Person (name)—given name, text X[X(39)] | Mandatory | 1 |

DSS specific information:

This data element is used to record the given name of the health-care professional completing and signing the form.

| 6 | Person (name)—family name, text X[X(39)] | Mandatory | 1 |

DSS specific information:

This data element is used to record the family name of the health-care professional completing and signing the form.

| 7 | Patient—form signed indicator, yes/no code N | Mandatory | 1 |

DSS specific information:

This data element is used to record whether the ENT Operation summary form has been signed by the health-care professional completing it.

| 8 | Patient—date form signed, date DDMMYYYY | Conditional | 1 |

Conditional obligation:

Conditional on a 'yes' response to Patient—form signed indicator, yes/no code N.

DSS specific information:

This data element is used to record the date the ENT Operation summary form was completed and signed by the health-care professional.