

# Appendix 1: Data elements that constitute the NMDS for Admitted Patient Mental Health Care and the NMDS for Admitted Patient Care

Table A1: Data elements that constitute the Admitted Patient Care NMDS and Admitted Patient Mental Health Care NMDS, 2004–05

Admitted Patient Mental Health Care NMDS	Admitted Patient Care NMDS	METeOR Identifier
<b>Establishment data elements</b>	<b>Establishment data elements</b>	
Establishment identifier	NOT INCLUDED	269973
Australian state and territory identifier	Australian state and territory identifier	269941
Establishment sector	Establishment sector	269977
Region code	NOT INCLUDED	269940
Establishment number	Establishment number	269975
<b>Demographic data elements</b>	<b>Demographic data elements</b>	
Area of usual residence	Area of usual residence	270070
Country of birth	Country of birth	270277
Date of birth	Date of birth	287007
Employment status—acute hospital and private psychiatric hospital admissions	NOT INCLUDED	269948
Employment status—public psychiatric hospital admissions	NOT INCLUDED	269955
Indigenous status	Indigenous status	291036
Marital status	NOT INCLUDED	291045
Sex	Sex	287316
Type of accommodation	NOT INCLUDED	270079
Type of usual accommodation	NOT INCLUDED	270088
<b>Length of stay data elements</b>	<b>Length of stay data elements</b>	
Admission date	Admission date	269967
NOT INCLUDED	Number of days of hospital in the home care	270305
NOT INCLUDED	Number of leave periods	269097
NOT INCLUDED	Number of qualified days for newborns	270033
Separation date	Separation date	270025
Total leave days	Total leave days	270251
Total psychiatric care days	Total psychiatric care days	270300
<b>Clinical data elements</b>	<b>Clinical data elements</b>	
NOT INCLUDED	Activity when injured	268950
Additional diagnosis	Additional diagnosis	270189
Care type	Care type	270174
Diagnosis related group	Diagnosis related group	270195

<b>Admitted Patient Mental Health Care NMDS</b>	<b>Admitted Patient Care NMDS</b>	<b>METeOR Identifier</b>
NOT INCLUDED	External cause–admitted patient	268945
NOT INCLUDED	Infant weight, neonate, stillborn	269938
NOT INCLUDED	Intended length of stay	270399
Major diagnostic category	Major diagnostic category	270400
NOT INCLUDED	Place of occurrence of external cause of injury	268948
Previous specialised treatment	NOT INCLUDED	270374
Principal diagnosis	Principal diagnosis	270187
NOT INCLUDED	Procedure	269932
<b>Administrative data elements</b>	<b>Administrative data elements</b>	
NOT INCLUDED	Admitted patient election status	270044
NOT INCLUDED	Funding source for hospital patient	270103
NOT INCLUDED	Hospital insurance status	270253
NOT INCLUDED	Intended length of hospital stay	270399
NOT INCLUDED	Inter-hospital contracted patient	270409
NOT INCLUDED	Medicare eligibility status	270093
NOT INCLUDED	Mode of admission	269976
Mode of separation	Mode of separation	270094
Mental health legal status	Mental health legal status	270351
Person identifier	Person identifier	290046
Referral to further care (psychiatric patients)	NOT INCLUDED	269990
Source of referral to public psychiatric hospital	Source of referral to public psychiatric hospital	269947
NOT INCLUDED	Urgency of admission	269986
<b>Data element concepts</b>	<b>Data element concepts</b>	
Acute care episode for admitted patients	Acute care episode for admitted patients	Glossary item
Admission	Admission	Glossary item
Admitted patient	Admitted patient	268957
Australian state and territory identifier	Australian state and territory identifier	269461
Diagnosis	Diagnosis	Glossary item
Episode of admitted patient care	Episode of admitted patient care	268956
Hospital	Hospital	268971
NOT INCLUDED	Hospital boarder	Glossary item
NOT INCLUDED	Hospital in the home care	Glossary item
NOT INCLUDED	Live birth	Glossary item
NOT INCLUDED	Neonate	Glossary item
NOT INCLUDED	Newborn qualification status	Glossary item
Patient	Patient	268959
NOT INCLUDED	Same-day patient	Glossary item
Separation	Separation	Glossary item

# **Appendix 2: Survey of users and data collectors for the evaluation of the National Minimum Data Set for Admitted Patient Mental Health Care**

# Survey of users and data collectors of the National Minimum Data Set for Admitted Patient Mental Health Care



Australian Government

Australian Institute of Health and Welfare

## Contact details

The Australian Institute of Health and Welfare is interested in obtaining contact details for any follow-up queries and to gain an understanding of the types of organisations using the NMDS specifications and NMDS-based data. This information will also help us interpret responses to the more specific questions that follow.

Please note that the identifying details provided will NOT be used for any purpose other than that specified in the explanatory notes, nor will any individual be identified in the analysis and reporting of results.

**Name:** \_\_\_\_\_

**Position/job title:** \_\_\_\_\_

**Unit/section:** \_\_\_\_\_

**Organisation:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/town:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Postcode:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**E-mail address:** \_\_\_\_\_

**Date this survey was completed:** \_\_\_\_\_

For whom are you responding? Please indicate (X) all that apply.

Respondent	[X]
On behalf of yourself	[ ]
On behalf of your unit or section within an organisation	[ ]
On behalf of your organisation	[ ]

## 1. Users of the NMDS specifications and NMDS-based data

The Australian Institute of Health and Welfare is interested in gaining an understanding of the types of organisations who use the NMDS specifications and NMDS-based data. For the purposes of this survey, a user is defined as any person who uses the NMDS specifications to either collect or to access and analyse NMDS-based data. In order for us to develop an understanding of who the main user groups are, please indicate the main user group to which you belong. This information will also help us interpret responses to the more specific questions that follow.

### 1.1. Please indicate (X) the main user group to which you belong.

User group	[X]
State or territory health authority	[ ]
Other state or territory government department	[ ]
Australian Government Department of Health and Ageing	[ ]
Other Australian government department	[ ]
Australian Institute of Health and Welfare	[ ]
Public hospital	[ ]
Private hospital	[ ]
Other health service provider	[ ]
University or other research organisation	[ ]
Private planning consultant	[ ]
Clinical equipment/therapeutic device company	[ ]
Pharmaceutical company	[ ]
Software developer	[ ]
Interest group	[ ]
Student	[ ]
Other	[ ]
Please specify _____	

## 2. Use of the NMDS specifications and NMDS-based data

The Australian Institute of Health and Welfare is interested in obtaining information about the way the NMDS specifications and NMDS-based data is currently being used. This section includes questions on the purpose for which you use the NMDS specifications or NMDS-based data, how you access NMDS specifications and NMDS-based data, your overall knowledge of the NMDS specifications and NMDS-based data, and your frequency of use. This information will also help us interpret responses to the more specific questions that follow.

**2.1. For what purpose do you use the NMDS specifications and the NMDS-based data?  
Rate the three most common purposes, where 1 is the most common and 3 is the least common.**

<b>Purpose</b>	<b>[1, 2, 3]</b>
Planning and monitoring hospital resources	[ ]
Comparisons and benchmarking	[ ]
Management and purchasing of hospital services	[ ]
Health services research	[ ]
Epidemiological research (e.g. population health research)	[ ]
Statistical reporting	[ ]
Facility planning	[ ]
Planning by private industry suppliers of therapeutic devices and other hospital equipment or pharmaceuticals	[ ]
Collection and reporting of NMDS-based data	[ ]
Casemix and classification development	[ ]
Software development	[ ]
Other	[ ]
Please specify _____	

**2.2. Please indicate (X) at which level you use the data.**

<b>Level</b>	<b>[X]</b>
Data for one hospital only	[ ]
Data for hospital group (within state and territory or national)	[ ]
Data for state or territory	[ ]
National	[ ]
International	[ ]

**2.3. Please provide more detail about the purpose(s) for which you use the NMDS specifications or NMDS-based data (optional).**

*Example: Investigation of the pattern of separations with specialised psychiatric care and a principal diagnosis of Schizophrenia, for planning purposes.*

**2.4. Please rate the three most common sources you use to access the NMDS specifications, where 1 is the most common and 3 is the least common.**

Source	[1, 2, 3]
National Health Data Dictionary publication	[ ]
National Health Data Dictionary publication online	[ ]
The Knowledgebase	[ ]
State and territory data specifications	[ ]
Hospital-based data specifications	[ ]
Other (please specify) _____	[ ]
Not applicable, do not access	[ ]

**2.5. Please rate the three most common sources of NMDS-based data you use, where 1 is the most common and 3 is the least common.**

Source	[1, 2, 3]
AIHW Mental Health Services in Australia publications/internet tables	[ ]
AIHW Australian Hospital Statistics publications/internet tables	[ ]
Other AIHW publications	[ ]
AIHW National Hospital Morbidity Database unit record extract	[ ]
AIHW National Hospital Morbidity Database tabulated data (unpublished)	[ ]
AIHW National Hospital Morbidity Database online (COGNOS cubes)	[ ]
Hospital database	[ ]
State or territory hospital database	[ ]
State or territory publications	[ ]
Department of Health and Ageing National Hospital Morbidity (Casemix) Database	[ ]
Department of Health and Ageing National Hospital Cost Data Collection	[ ]
Department of Health and Ageing Hospital Casemix Protocol Data Collection	[ ]
Other (please specify) _____	[ ]
Not applicable, do not use	[ ]

**2.6. Please rate (X) your overall knowledge of the NMDS specifications or the NMDS-based data.**

Knowledge	NMDS specifications	NMDS-based data
Very familiar	[ ]	[ ]
Familiar	[ ]	[ ]
Unfamiliar	[ ]	[ ]

**2.7. Please indicate (X) how often you use the NMDS specifications or the NMDS-based data.**

Frequency	NMDS specifications	NMDS-based data
Daily	[ ]	[ ]
Weekly	[ ]	[ ]
Monthly	[ ]	[ ]
Occasionally	[ ]	[ ]
Never	[ ]	[ ]

### 3. Utility

As outlined in the explanatory notes, the main purpose of this survey is to gain an understanding of whether the NMDS is useful and whether it suits your current requirements. In this section, respondents are asked to rate the importance and usefulness of the NMDS overall and each individual data element, and to indicate which data elements should remain unchanged, which should be modified and which deleted. Please note, the data elements are as specified in the *National Health Data Dictionary* version 12 Supplement (AIHW 2004c).

**3.1. Please indicate (X) the importance and usefulness of the NMDS overall and each individual data element and provide comments on whether you believe each data element should remain unchanged, be modified or deleted.**

When assessing importance, think of how significant you believe the NMDS and each data element are to a national collection of data on admitted patient care. When assessing usefulness, keep in mind whether the NMDS and each data element suit your current requirements. If a data element is highly important and highly useful, it should probably remain unchanged. However, if a data element is highly important, but not useful, it may be a function of the way it is defined, in which case it probably needs to be modified.

Within your comments please indicate why a data element should be modified or deleted and describe the proposed modifications, for example, changes to the name, definition, data domains or other aspects.

Please provide any other comments that will assist in the interpretation of your response.

Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
NMDS for Admitted Patient Mental Health Care	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
<b>Establishment data elements</b>								
<a href="#">Establishment identifier</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Establishment number</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Establishment sector</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Region code</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Australian State and territory identifier</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<b>Demographic data elements</b>								
<a href="#">Area of usual residence</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Country of birth</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Date of birth</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
<a href="#">Employment status — acute hospital and private psychiatric hospital admissions</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Employment status — public psychiatric hospital admissions</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Indigenous status</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Marital status</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Sex</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Type of accommodation</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Type of usual accommodation</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<b>Length of stay data elements</b>								
<a href="#">Admission date</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
<a href="#">Separation date</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Total leave days</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Total psychiatric care days</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<b>Clinical and related data elements</b>								
<a href="#">Additional diagnosis</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Care type</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Diagnosis Related Group</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Major Diagnostic Category</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Previous specialised treatment</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

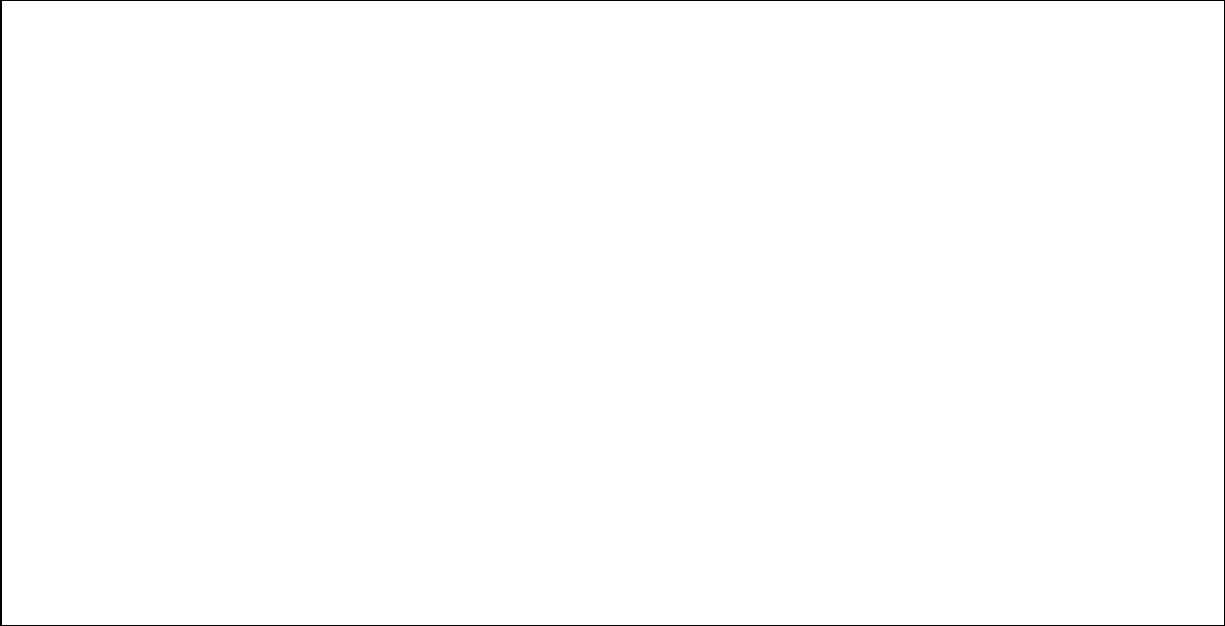
Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
<a href="#">Principal diagnosis</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<b>Administrative data elements</b>								
<a href="#">Mental health legal status</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Mode of separation</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Person identifier</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Referral to further care (psychiatric patients)</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Source of referral to public psychiatric hospital</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<b>Data element concepts</b>								
<a href="#">Acute care episode for admitted patients</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

Data element	Importance				Usefulness			
	Not important	Important	Highly important	Unsure	Not useful	Useful	Highly useful	Unsure
<b>Data element concepts</b>								
<a href="#">Admission</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Admitted patient</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Diagnosis</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Episode of care</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Hospital</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Patient</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								
<a href="#">Separation</a>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Comments:								

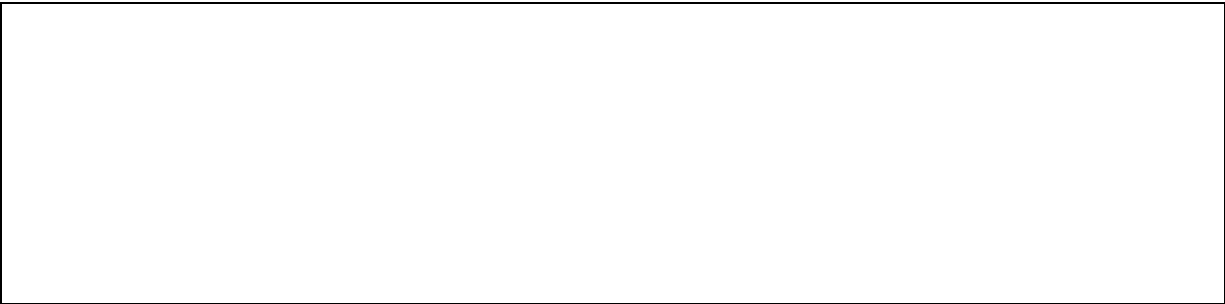
#### 4. Areas for development

The Australian Institute of Health and Welfare is interested in obtaining your views on possible areas for development of the NMDS, including new data elements which you feel would make the NMDS more useful, possible changes to the scope, or any other priorities for definitional development.

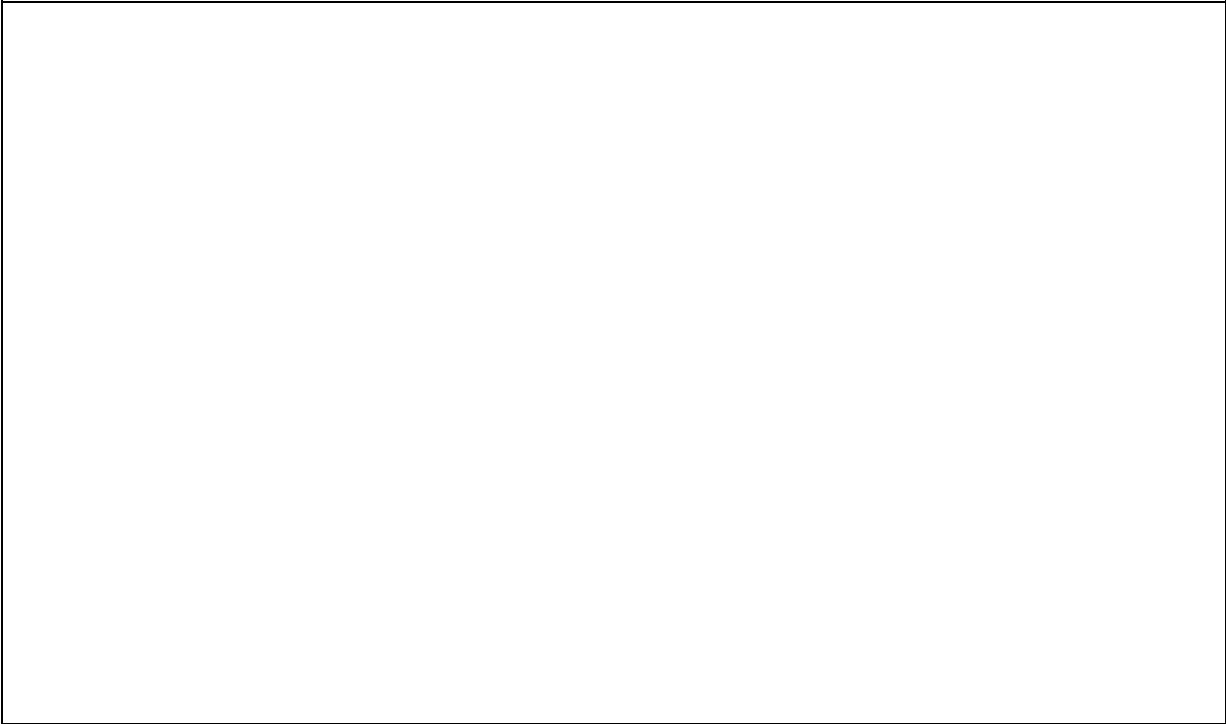
**4.1. Are there any new data elements that should be included in the NMDS?**

A large, empty rectangular box with a thin black border, intended for the user to provide an answer to question 4.1.

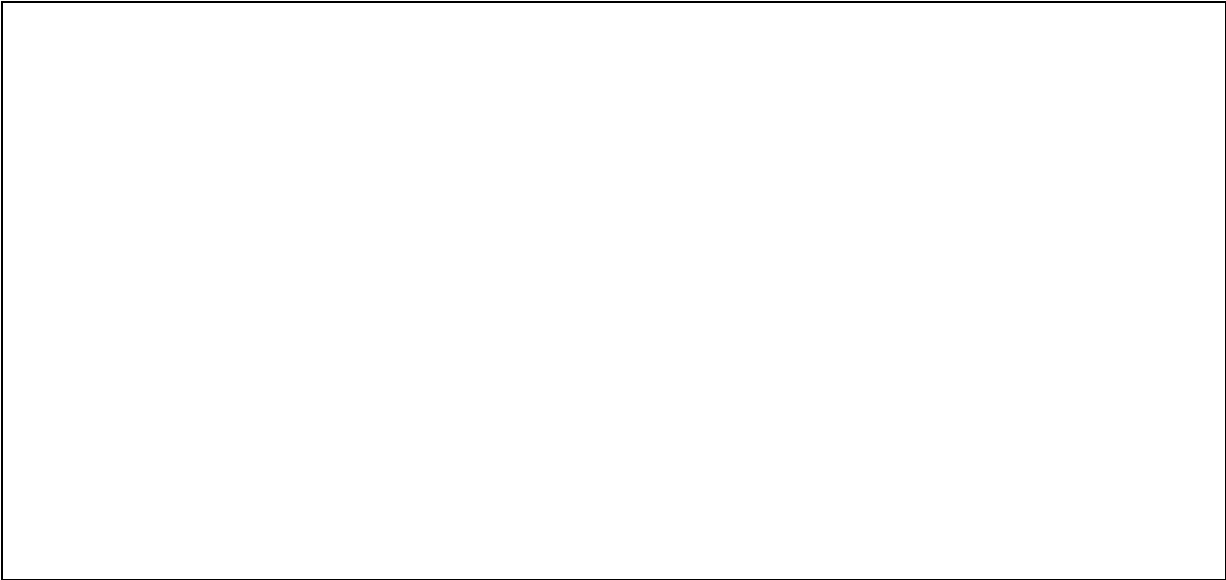
**4.2. Do you have any comments on the scope of the NMDS?**

A large, empty rectangular box with a thin black border, intended for the user to provide an answer to question 4.2.

**4.3. What do you see as the priorities for definitional development (data elements, data element concepts, scope)?**



**4.4. Who should be consulted about any proposed data development?**



## 5. Other comments

Please provide any additional views or comments you have which may assist the evaluation.

If you would like to provide more detail on any of the questions, please e-mail [danielle.sellick@aihw.gov.au](mailto:danielle.sellick@aihw.gov.au)

*Thank you for your time in completing this survey.*

# Appendix 3: Survey respondents

## **Australian, state or territory government**

Child and Adolescent Health Service, Mental Health, Australian Capital Territory  
Department of Health and Community Care

Data Management Unit, South Australian Department of Health

Data Services Unit, Queensland Health

Health Data Collections, Western Australian Department of Health

Hospitals and Mental Health Services Unit, Australian Institute of Health and  
Welfare

Information Management and Support Unit, New South Wales Health Department

Information Services Branch, Australian Capital Territory Department of Health and  
Community Care

Mental Health Branch, Aged, Community and Mental Health Division, Department  
of Human Services, Victoria

Mental Health Program, Northern Territory Department of Health and Community  
Services

Mental Health Services Tasmania, Department of Health and Human Services,  
Tasmania

Performance Evaluation Branch, Office of Mental Health, Western Australian  
Department of Health

Quality and Effectiveness Section, Health Priorities and Suicide Prevention Branch,  
Australian Government Department of Health and Ageing

Strategic Planning and Integration Branch, South Australian Department of Health

## **Public or private hospitals or medical centres**

Aged Care Mental Health, Division of Mental Health, Princess Alexandra Hospital,  
Woolloongabba, Queensland

Department of Psychiatry and Pain Management Unit, Flinders Medical Centre,  
Bedford Park, South Australia

Medical Records Department, St John of God Health Services, Burwood, New South  
Wales

## **Individuals responding for themselves only**

Brendan Ludvigsen, Manager, Patient Data, Information Management and Support  
Unit, New South Wales Health Department

Paul Basso, Manager, Strategic Information, Health Information and Evaluation,  
South Australian Department of Health

Roderick McKay, Senior Staff Specialist/Director of Service, Aged Care Psychiatry,  
Braeside Hospital, Wetherill Park, New South Wales

# References

- ABS (Australian Bureau of Statistics) 1999. Standard Australian Classification of Countries (SACC) 1998. ABS cat. no. 1269.0. Canberra: ABS.
- ABS 2001. Australian Standard Geographical Classification (ASGC) 2001. ABS cat. no. 1216.0. Canberra: ABS.
- AIHW 2002. National health data dictionary, version 11.0. AIHW cat. no. HWI 36. Canberra: AIHW.
- AIHW 2003. Report on the evaluation of the National Minimum Data Set for Admitted Patient Care. AIHW cat. no. HSE 29. Canberra: AIHW (Health Services Series No. 21).
- AIHW 2004a. Australian hospital statistics 2002–03. AIHW cat. no. HSE 32. Canberra: AIHW (Health Services Series no. 22).
- AIHW 2004b. Mental health services in Australia 2001–02. AIHW cat. no. HSE 31. Canberra: AIHW (Mental Health Series no. 5).
- AIHW 2004c. National health data dictionary, version 12.0 supplement. AIHW cat. no. HWI 72. Canberra: AIHW.
- AIHW 2004d. Report on the evaluation of the Perinatal National Minimum Data Set. AIHW cat. no. PER 27. Canberra: AIHW (Perinatal Statistics Series no. 14).
- AIHW 2005. Mental health services in Australia 2002–03. AIHW cat. no. HSE 35. Canberra: AIHW (Mental Health Series no. 6).
- DoHA (Department of Health and Ageing) 2005. Key Performance Indicators for Australian Public Mental Health Services. Canberra: Australian Government Department of Health and Ageing.
- DoHA (Department of Health and Ageing) forthcoming. National Mental Health Information Priorities 2nd Edition. Canberra: Australian Government Department of Health and Ageing.
- National Mental Health Working Group Information Strategy Committee Performance Indicator Drafting Group 2005. Key Performance Indicators for Australian Public Mental Health Services. Information Strategy Committee Discussion Paper No. 5. Canberra: Australian Government Department of Health and Ageing.
- NCSDC (National Community Services Data Committee) 2004. National Community Services Data Dictionary. Version 3. AIHW cat. no. HSE 35. Canberra: AIHW.