National Occupational Respiratory Disease Registry

Data Dictionary

Contents

[1 Introduction 4](#_Toc178584981)

[1.1 National Occupational Respiratory Disease Registry 4](#_Toc178584982)

[1.2 Data dictionary 4](#_Toc178584983)

[2 Minimum notification information 5](#_Toc178584984)

[2.1 Physician details 5](#_Toc178584985)

[2.2 Patient details 9](#_Toc178584986)

[2.3 Lung function values 18](#_Toc178584987)

[2.4 Disease details 21](#_Toc178584988)

[2.5 Main exposure details 26](#_Toc178584989)

[2.6 Last exposure details 32](#_Toc178584990)

[3 Additional information 39](#_Toc178584991)

[3.1 Medical tests 39](#_Toc178584992)

[3.2 Patient demographic and lifestyle details 46](#_Toc178584993)

[3.3 Occupational history of exposure 50](#_Toc178584994)

[4 Reference data 57](#_Toc178584995)

[4.1 Diseases 57](#_Toc178584996)

[4.2 Disease causing agents 58](#_Toc178584997)

[4.3 Medical tests 63](#_Toc178584998)

[4.4 Australia and New Zealand Standard Industrial Classification (ANZSIC) 63](#_Toc178584999)

[4.5 Australian and New Zealand Standard Classification of Occupations (ANZSCO) 63](#_Toc178585000)

[4.6 Job tasks 64](#_Toc178585001)

Version history

|  |  |  |
| --- | --- | --- |
| Version | Date | Modified by |
| 1.0 | 06/02/2024 | National Registry Operator |
| 1.1 | 01/10/2024 | National Registry Operator |

# Introduction

## National Occupational Respiratory Disease Registry

The Australian Government has established the National Occupational Respiratory Disease Registry (the National Registry) to record the nature and extent of occupational respiratory diseases in Australia.

The aim of the National Registry is to capture and share data on the incidence of occupational respiratory diseases, causative exposures and respiratory health data to aid the detection of new and emerging threats to workers’ respiratory health, inform incidence trends, and assist in targeting and monitoring the effectiveness of interventions and prevention strategies.

*The National Occupational Respiratory Disease Registry Act 2023* requires that all new diagnoses of silicosis made from 22 May 2024 be notified to the National Registry. Physicians may also provide voluntary notification of other occupational respiratory diseases with patient consent.

## Data dictionary

This data dictionary describes for all National Registry data items:

* Metadata type
* Description
* Source
* Obligation
* Field type
* Data domain.

The data dictionary is presented in three sections:

* Minimum notification information (section 2)
* Additional information (section 3)
* Reference data (section 4).

# Minimum notification information

The following data categories constitute a minimum notification:

* Physician details
* Patient details
* Lung function values
* Disease details
* Main exposure details
* Last exposure details

The data items within each of these data categories can be found in this section.

## Physician details

This data category includes the details of the physician who made notification to the National Registry.

### Disease notifying physician ID

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the unique identifier for the physician that notified this disease for this patient to the National Registry. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | N/A |

### Physician first name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physician’s first name |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician family name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physician’s last/family name |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Medical speciality

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the registered medical speciality of the physician. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Respiratory (Respiratory and sleep medicine physicians), Occupational (Occupational and environmental medicine physicians). |

### Physician organisation

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the name of the organisation/business that the physician works in. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician work email

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the work email address for the physician. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician address line 1

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 1 of the business where the physician works. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician address line 2

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 2 of the business where the physician works. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician suburb

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the suburb for the physical address of the business where the physician works. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician postcode

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the postcode for the physical address of the business where the physician works. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician State or Territory

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the State or Territory of the physician’s place of business where they made the diagnosis. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | NSW, ACT, VIC, QLD, SA, WA, TAS, NT |

### Physician landline

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the landline contact number for the physician at work. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Numeric |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Physician fax

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the fax number for the physician at work. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Date physician details last updated

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date of the last update to the physician’s details. Details include:* name,
* the name of the organisation/business they work for,
* place of business address,
* medical speciality,
* email address, and
* phone/fax contact details.
 |
| Source | System set |
| Obligation | N/A |
| Field type | Date |
| Data domain | N/A |

## Patient details

This data category includes the details of the patient who has a respiratory disease diagnosis notified to the National Registry.

### Patient Id

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is a unique identifier allocated to each patient. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | N/A |

### Patient notifying physician Id

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the unique identifier for the physician that was the first to notify this patient to the National Registry. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | N/A |

### First Name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the first name for the patient. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Last Name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the patient’s last/family name. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Patient first notified date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date the National Registry received the first disease notification for this patient. |
| Source | System set |
| Obligation | N/A |
| Field type | Date |
| Data domain | N/A |

### Date patient details last updated

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date of the last update to the patient’s details. Patient details contain:* the patient’s date of birth
* date of death
* name
* country of birth
* language spoken at home
* sex
* indigenous status
* email address
* phone contact
* postal address.

If this date is later than the Disease notification date, then the patient’s details have changed after the notification of the disease. |
| Source | System set |
| Obligation | N/A |
| Field type | Date |
| Data domain | N/A |

### Date of birth

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the patient’s date of birth |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Date |
| Data domain | N/A |

### Date of death

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The National Registry updates the date of death once a year using the AIHW National Death Index. A physician can also update the date of death. |
| Source | Physician |
| Obligation | Optional |
| Field type | Date |
| Data domain | N/A |

### Sex at birth

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the sex assigned to the patient at birth.  |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Male, Female, Indeterminate/Intersex/Unspecified, Not stated |

### Indigenous status

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the indigenous status of the patient. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Aboriginal, Torres Strait Islander, Aboriginal & Torres Strait Islander, Not stated |

### Country of birth

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the country of birth for the patient. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Standard Australian Classification of Countries (SACC) |

### Language spoken at home

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main language spoken in the patient’s home. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Australian Standard Classification of Languages (ASCL) |

### Email address

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the email address of the patient. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |

### Post address

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the postal address of the patient. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Address line 1

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is first address line of the patient’s residential address. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Address line 2

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is second address line of the patient’s residential address. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |

### Suburb

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the suburb of the patient’s residential address. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Postcode

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is postcode of the patient’s residential address. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### State/Territory

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the State or Territory where the individual resides. If they reside outside Australia it shows ‘Overseas’ |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | NSW, ACT, VIC, QLD, SA, WA, TAS, NT |

### Country

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the country in which the patient resides. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Australia |

### Patient lives Overseas flag

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This flag denotes if the patient resides outside Australia. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N, Y |

### Mobile number

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the mobile phone number for the patient. |
| Source | Physician |
| Obligation | At least one contact number is mandatory |
| Field type | Numeric |
| Data domain | N/A |

### Landline number

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the landline phone number for the patient. |
| Source | Physician |
| Obligation | At least one contact number is mandatory |
| Field type | Numeric |
| Data domain | N/A |

## Lung function values

This data categories showcases the patient’s pre-bronchodilator lung function values.

### Lung function test date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date of the Spirometry or Gas transfer lung function tests. |
| Source | Physician |
| Obligation | Optional |
| Field type | Date |
| Data domain | N/A |

### FEV1 actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FEV1 (Forced Expiratory Volume) actual is the PRE Bronchodilator amount of air you can force from your lungs in one second in litres.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### FEV1 % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted amount of air you can force from your lungs in one second compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### FVC actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FVC (Forced Vital Capacity) actual is the PRE Bronchodilator amount of air in litres that can be forcibly exhaled from your lungs.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### FVC % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted amount of air that can be forcibly exhaled from your lungs after taking the deepest breath possible compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### DLCO actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | DLCO is the diffusing capacity for carbon monoxide (also known as the transfer factor for carbon monoxide or TLCO).  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XX.xx mL/min/mmHg) |
| Data domain | N/A |

### DLCO % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted diffusing capacity for carbon monoxide compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### VA actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | VA is the alveolar volume. It measures in litres the number of contributing alveolar units during the single breath.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### VA % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the percentage of the predicted number of contributing alveolar units measured during the single breath compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

## Disease details

This data categories showcases the details of the patient’s respiratory disease.

### Disease name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the name of the respiratory disease for this patient. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.1 |

### Disease SNOMED code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The SNOMED international disease classification system for coding respiratory diseases (disorders). |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.1 |

### Mandatory/Voluntary disease

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | A ‘Mandatory’ disease is a prescribed respiratory disease at the date of notification to the National Registry. If not a prescribed disease this field contains ‘Voluntary’ meaning the patient consented to the notification. |
| Source | System set |
| Obligation | N/A |
| Field type | Text |
| Data domain | Mandatory, Voluntary (See reference data 4.1) |

### Date of diagnosis

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date the physician said they diagnosed the disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Date |
| Data domain | N/A |

### Disease notification date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date the physician notified the disease to the National Registry. |
| Source | System set |
| Obligation | N/A |
| Field type | Date |
| Data domain | N/A |

### Date disease and exposure details last updated

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date of the last update to the disease and exposure details. The disease and exposure details contain:* the main and secondary causing agents
* date of diagnosis
* time frames since last and main exposure
* the last and main industry, occupation and job task when the exposure occurred
* the last and main workplace where the exposure occurred.

If this date is later than the Disease notification date, then the patient’s disease and exposure details have changed after the notification of the disease. |
| Source | System set |
| Obligation | N/A |
| Field type | Date |
| Data domain | N/A |

### Occupational likelihood

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This field is the physician’s view of the likelihood that the individual’s work caused or contributed to the respiratory disease. The default value is ‘Likely’. The National Registry requires the physician to believe it is at least likely that the individual’s work has contributed to the disease |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Likely (default), Very likely, Certain |

### Age group on diagnosis

|  |  |
| --- | --- |
| Metadata type | Derived data element |
| Description | This is the age group the patient was in when first diagnosed with the respiratory disease. The patient’s date of birth and the date of diagnosis determine the age group on diagnosis. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | <20 years, 20 – 29 years, 30 – 39 years, 40 – 49 years, 50 – 59 years, 60 – 69 years, 70 – 79 years, 80+ years |

### Main causing agent

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main disease-causing agent the patient/physician believes the patient had exposure to at work. Additionally, the exposure caused or contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Main causing agent SNOMED code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The SNOMED international disease classification system for coding disease causing agents (substances). |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Secondary causing agent

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the secondary disease-causing agent the patient/physician believes the patient had exposure to at work. Additionally, the exposure caused or contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Secondary causing agent SNOMED code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The SNOMED international disease classification system for coding disease causing agents (substances). |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Medical tests used to diagnose

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | These are some of the medical tests used to diagnose the patient’s respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.3 |

### Diagnosis confirmed by multi-disciplinary team

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This captures whether a multi-disciplinary team (MDT) confirmed the diagnosis.  |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No |

### Total years of exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This reflects the total years of exposure that the patient believes they had to a disease-causing agent. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Alphanumeric |
| Data domain | <1 year, 1 – 4 years, 5 – 9 years, 10 – 14 years, 15 – 19 years, 20+ years, Unknown, Not stated |

## Main exposure details

This data categories showcases the details of the patient’s main exposure to a disease causing agent.

### Time frame since main exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the time frame since the individual believes they had their main exposed at work to a disease causing agent. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Alphanumeric |
| Data domain | <1 year, 1 – 4 years, 5 – 9 years, 10 – 14 years, 15 – 19 years, 20+ years, Unknown, Not stated |

### Main exposed industry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the industry in which the patient was working when they believed they had their main exposure to a disease causing agent at work. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Main exposed industry ANZSIC division

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry division in which the patient was working when they believed they had their main exposure. |
| Source | System set |
| Obligation | N/A |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Main exposed industry ANZSIC code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry code in which the patient was working when they believed they had their main exposure. |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Still working in main exposure industry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This field indicates if the patient is still working in the industry where the individual believes they had their main exposure at work. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No, N/A |

### Main exposed occupation

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the occupation of the patient when they believed they had their main exposure to a disease causing agent at work. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5 |

### Main exposed occupation ANZSCO code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the ANZSCO code associated with the occupation chosen. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5 |

### Main exposed job task

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main job task the patient believes they were performing that led to the main exposure to a disease-causing agent. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.6 |

### Main exposure business name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the name of the business employing the patient where they believe they had their main exposure (most severe) to a disease causing agent.. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Main exposure business email

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the email contact address for the business employing the patient where they believe they had their main exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Main exposure address line 1

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 1 for the business employing the patient where they believe they had their main exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Main exposure address line 2

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 2 for the business employing the patient where they believe they had their main exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Main exposure suburb

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the suburb for the physical address of the business employing the patient where they believe they had their main exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Main exposure postcode

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the postcode for the physical address of the business employing the patient where they believe they had their main exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Location main exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the State or Territory where the individual believes they had their main exposure at work to a hazardous agent that contributed/caused the disease. If the last exposure was outside Australia it shows ‘Overseas’. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | NSW, ACT, VIC, QLD, SA, WA, TAS, NT |

### Still working at main exposure workplace

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This indicates if the patient is still working at the place of business where they had their main exposure. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No |

## Last exposure details

This data categories showcases the details of the patient’s last exposure to a disease causing agent.

### Time frame since last exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the time frame since the individual believes they were last exposed at work to a disease-causing agent. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Alphanumeric |
| Data domain | <1 year, 1 – 4 years, 5 – 9 years, 10 – 14 years, 15 – 19 years, 20+ years, Unknown, Not stated |

### Last exposed industry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the industry in which the patient was working when they believed they had their last exposure to a disease-causing agent at work. |
| Source | Physician |
| Obligation | Mandatory with not stated |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Last exposed industry ANZSIC division

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry division in which the patient was working when they believed they had their last exposure. |
| Source | System set |
| Obligation | N/A |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Last exposed industry ANZSIC code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry code in which the patient was working when they believed they had their last exposure. |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Still working in last exposure industry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This field indicates if the patient is still working in the industry where the individual believes they were last exposed at work. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No, N/A |

### Last exposed occupation

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the occupation of the patient when they believed they had their last exposure to a disease-causing agent at work.  |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5 |

### Last exposed occupation ANZSCO code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the ANZSCO code associated with the occupation chosen. |
| Source | System set |
| Obligation | N/A |
| Field type | Alphanumeric |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5 |

### Last exposed job task

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main job task the patient believes they were performing that led to the last exposure to a disease-causing agent. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.6 |

### Last exposure business name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the name of the business employing the patient where they believe they had their most recent exposure to a disease causing agent. Where there is no business name the text ‘Unknown or Not stated’ is used. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Last exposure business email

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the email contact address for the business employing the patient where they believe they had their most recent exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Last exposure address line 1

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 1 for the business employing the patient where they believe they had their most recent exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Last exposure address line 2

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the physical address line 2 for the business employing the patient where they believe they had their most recent exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Last exposure suburb

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the suburb for the physical address of the business employing the patient where they believe they had their most recent exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Last exposure postcode

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the postcode for the physical address of the business employing the patient where they believe they had their most recent exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |
| Note | This data item is not available for release for the purposes of research under the National Occupational Respiratory Disease Registry Act 2023 |

### Location last exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the State or territory where the individual believes they had their last exposure at work to a hazardous agent that contributed/caused the disease. If the last exposure was outside Australia it shows ‘Overseas’. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | New South Wales, Victoria, Queensland, South Australia, Western Australia, Tasmania, Northern Territory, Australian Capital Territory |

### Still working at last exposure workplace

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This indicates if the patient is still working at the place of business where they had their last exposure. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No |

### Last exposure was also the main exposure

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This field indicates whether the last exposure to a disease causing agent was also the main exposure. Where the last exposure was also the main exposure then all main exposure fields will mirror the contents of the last exposure fields. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No |

# Additional information

The following data categories can only be obtained with patient consent:

* Medical tests (excluding CT scan for silicosis and spirometry)
* Patient demographic and lifestyle details
* Detailed exposure history

The data items within each of these data categories can be found in this section.

## Medical tests

This data category showcases medical tests relevant to the diagnosis and management of the patient’s occupationally caused or exacerbated respiratory disease.

### Medical test type name

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | These are some of the medical tests used to diagnose the patient’s respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | See reference data 4.3 |

### Medical test date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This the date of each medical test supplied. |
| Source | Physician |
| Obligation | Optional |
| Field type | Date |
| Data domain | N/A |

### Gas Transfer - DLCO actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | DLCO is the diffusing capacity for carbon monoxide (also known as the transfer factor for carbon monoxide or TLCO). It measures the conductance of gas transfer from inspired gas to the red blood cells.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XX.xx Litres) |
| Data domain | N/A |

### Gas Transfer - DLCO % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted diffusing capacity for carbon monoxide compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Gas Transfer - VA actual

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | VA is the alveolar volume. It measures in litres the number of contributing alveolar units during the single breath. Diffusing capacity tests/gas transfer tests measure VA. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Gas Transfer - VA % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the percentage of the predicted number of contributing alveolar units measured during the single breath compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Lung volume – Total lung capacity

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the volume of air in the lungs upon the maximum effort of inspiration. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XX.xx Litres) |
| Data domain | N/A |

### Lung volume - Total lung capacity % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted volume of air in the lungs upon the maximum effort of inspiration compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Lung volume – Residual volume

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the volume of air remaining in the lungs after maximum forceful expiration. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Lung volume – Residual volume % predicted

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the volume of air remaining in the lungs after maximum forceful expiration compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Pulse oximetry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is a test used to measure the oxygen level (oxygen saturation) of the blood. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Spirometry - FEV1 actual (pre-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FEV1 (Forced Expiratory Volume) actual is the pre-bronchodilator amount of air you can force from your lungs in one second in litres.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Spirometry - FEV1 % predicted (pre-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted pre-bronchodilator amount of air you can force from your lungs in one second compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Spirometry - FVC actual (pre-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FVC (Forced Vital Capacity) actual is the pre-bronchodilator amount of air in litres that can be forcibly exhaled from your lungs.  |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Spirometry - FVC % predicted (pre-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted amount of air that can be forcibly exhaled from your lungs after taking the deepest breath possible compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Spirometry - FEV1 actual (post-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FEV1 (Forced Expiratory Volume) actual is the post-bronchodilator amount of air you can force from your lungs in one second in litres. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Spirometry - FEV1 % predicted (post-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted amount of air you can force from your lungs in one second compared to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

### Spirometry - FVC actual (post-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | FVC (Forced Vital Capacity) actual is the post-bronchodilator amount of air in litres that can be forcibly exhaled from your lungs. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (X.xx Litres) |
| Data domain | N/A |

### Spirometry - FVC % predicted (post-bronchodilator)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The percentage of the predicted amount of air that can be forcibly exhaled from your lungs after taking the deepest breath possible compared this to a healthy individual of the same age, sex and height. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric (XXX%) |
| Data domain | N/A |

## Patient demographic and lifestyle details

This data category showcases the patient’s demographic and lifestyle details when the respiratory disease was first diagnosed.

### Patient height

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the height of the patient in centimetres. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Patient weight

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the weight of the patient in kilograms. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Current smoker flag

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This flag indicates if the patient is currently smoking cigarettes. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Yes, No |

### Number of cigarettes per day (current smoker)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the number of cigarettes per day the patient currently smokes. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Number of years smoking (current smoker)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the number of years the patient has been smoking. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Former smoker flag

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This flag indicates if the patient was a former smoker. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Yes, No |

### Number of cigarettes per day (former smoker)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the number of cigarettes per day the patient formerly smoked. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

###

### Number of years smoking (former smoker)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the number of years the patient smoked for. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Date ceased smoking (former smoker)

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date the patient stopped smoking. |
| Source | Physician |
| Obligation | Optional |
| Field type | Date |
| Data domain | N/A |

### Current job title

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the patient’s current job title. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |

### Date of last employment

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the date of the patient’s last employment. |
| Source | Physician |
| Obligation | Optional |
| Field type | Date |
| Data domain | N/A |

###

### Last job title

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the patient’s last job title. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | N/A |

## Occupational history of exposure

This data categories showcases the patient’s work history that has contributed to the respiratory disease.

### Occupational history - job title

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the job title of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | N/A |

### Occupational history - industry

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the industry in the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Occupational history - industry ANZSIC division

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry division in the patient’s work history that contributed to the respiratory disease. |
| Source | System set |
| Obligation | N/A |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4 |

### Occupational history - industry ANZSIC code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry code in the patient’s work history that contributed to the respiratory disease. |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | Australian and New Zealand Standard Industrial Classification (ANZSIC). See reference data 4.4. |

### Occupational history – occupation

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the occupation in the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5. |

### Occupational history – occupation ANZSCO code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the Australian and New Zealand Standard Classification of Occupation (ANZSCO) code in the patient’s work history that contributed to the respiratory disease. |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | Australian and New Zealand Standard Classification of Occupations (ANZSCO). See reference data 4.5. |

### Occupational history – job start date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the job start date of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Date |
| Data domain | N/A |

### Occupational history – still working at this job

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This flag indicates if the patient is still working at the job that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | Yes, No |

### Occupational history – job end date

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the job end date of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Date |
| Data domain | N/A |

### Occupational history – main causing agent

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main disease-causing agent that the patient was exposed to that is thought to be the main cause or contributor of the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Occupational history – main causing agent SNOMED code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The SNOMED international disease classification system for coding disease causing agents (substances). |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | See reference data 4.2 |

### Occupational history – secondary causing agent

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the secondary disease-causing agent that the patient was exposed to that is thought to be the main cause or contributor of the respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | See reference data 4.2 |

### Occupational history – secondary causing agent SNOMED code

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | The SNOMED international disease classification system for coding disease causing agents (substances). |
| Source | System set |
| Obligation | N/A |
| Field type | Numeric |
| Data domain | See reference data 4.2 |

### Occupational history – main exposure site

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the location of exposure. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Off-set, On-site |

### Occupational history – average hours worked per week

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the average number of hours worked per week at the job of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Numeric |
| Data domain | N/A |

### Occupational history - main job task

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is the main job task of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Mandatory |
| Field type | Text |
| Data domain | See reference data 4.6 |

### Occupational history – respiratory protective equipment used

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is whether respiratory protective equipment was used at the job of the patient’s work history that contributed to the respiratory disease. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Yes, mask with supplied air, Yes, but no supplied air, No |

### Occupational history – ventilation/control measures in work area

|  |  |
| --- | --- |
| Metadata type | Data element |
| Description | This is whether ventilation/control measures were used in the work area of the job that contributed to the patient’s respiratory disease. Ventilation/control measures:* No special ventilation in the work area
* Local ventilation that removed the pollutant
* Extraction fitted to the tool(s)
* Open window/door
* Work was performed outside
* Work was done in a booth
* Water suppression
* Use of vacuums with HEPA filters
* Sweeping with brushes
* Use of compressed air to clear up
* Unknown
* Other ventilation/control measure present

Multiple ventilation/control measures can be selected, however “No special ventilation in the work area” and “Unknown” cannot be selected with any other option. If “Other ventilation/control measure present”, then the physician must provide further information. |
| Source | Physician |
| Obligation | Optional |
| Field type | Text |
| Data domain | Yes, No |

# Reference data

This section provides a summary of reference data used within the National Registry to populate:

* Diseases
* Disease causing agents
* Medical tests
* Australia and New Zealand Standard Industrial Classification (ANZSIC)
* Australian and New Zealand Standard Classification of Occupations (ANZSCO)
* Job tasks.

## Diseases

The National Registry presents the physician with the following common respiratory diseases to populate the relevant diseases. This table also shows the SNOMED code associated with each disease.

| Disease | Mandatory to notify | SNOMED code (disease) |
| --- | --- | --- |
| Silicosis - Acute (silicoproteinosis) | Y | 233760007 |
| Silicosis - Accelerated Simple | Y | 1606841000168106 |
| Silicosis - Accelerated Complicated | Y | 1606851000168108 |
| Silicosis - Chronic Simple | Y | 1601731000168104 |
| Silicosis - Chronic Complicated | Y | 1601741000168108 |
| Asbestosis | N | 22607003 |
| Asthma - Occupational | N | 57607007 |
| Asthma - Work-exacerbated | N | 1599021000168109 |
| COPD – Chronic Bronchitis | N | 63480004 |
| COPD – Emphysema | N | 87433001 |
| Diffuse dust-related fibrosis | N | 1598901000168106 |
| Lung cancer | N | 93880001 |
| Mesothelioma | N | 109378008 |
| Pneumoconiosis - Coal workers’  | N | 29422001 |
| Pneumoconiosis - Mixed dust  | N | 32139003 |
| Pneumonitis - Hypersensitivity  | N | 37471005 |
| Pneumonitis - Toxic  | N | 233733000 |
| Silica associated lymphadenopathy | N | 1598501000168103 |
| Other | N | TBD |

If a physician selects ‘Other’, then the physician can search SNOMED to select a different disease (disorder), or they can just type in a different disease.

Where the physician does not use a disease listed in SNOMED but enters their own disease, the SNOMED code will be ‘0’. The National Registry Operator reviews the text entered to find a suitable SNOMED code to update the SNOMED field. A SNOMED code of ‘9’ means there is no suitable code.

## Disease causing agents

The National Registry presents the physician with the following common causing agents depending on the disease selected. This table also shows the SNOMED code associated with the disease causing agent.

| Disease | Disease causing agent | SNOMED code (disease causing agent) |
| --- | --- | --- |
| Silicosis - Acute | Silica dust | 311429008 |
| Silicosis - Accelerated Simple | Silica dust | 311429008 |
| Silicosis - Accelerated Complicated | Silica dust | 311429008 |
| Silicosis - Chronic Simple | Silica dust | 311429008 |
| Silicosis - Chronic Complicated | Silica dust | 311429008 |
| Asbestosis | Asbestos fibres | 16369005 |
| Asthma - Occupational | Acrylates - artificial nails/eyelash/cosmetics/Dentistry | 272159008 |
| Asthma - Occupational | Aldehydes e.g., Formaldehyde | 60530008 |
| Asthma - Occupational | Animal dander | 264287008 |
| Asthma - Occupational | Anhydrides/Acids | 34957004 |
| Asthma - Occupational | Arthropods/mites | 106762008 |
| Asthma - Occupational | Bio aerosols (mould/pollen) | 26071008 |
| Asthma - Occupational | Epoxy | 65345002 |
| Asthma - Occupational | Flour | 63766005 |
| Asthma - Occupational | Industrial cleaning agents | 79007002 |
| Asthma - Occupational | Isocyanates | 255771001 |
| Asthma - Occupational | Latex | 111088007 |
| Asthma - Occupational | Metals | 425620007 |
| Asthma - Occupational | Wood dust | 64601002 |
| Asthma - Occupational | Unknown | 261665006 |
| Asthma - Occupational | Other | TBD |
| Asthma - Work-exacerbated | Allergens (e.g. pollen, mould, animals, dust mites) | 277054007 |
| Asthma - Work-exacerbated | Ammonia | 43953005 |
| Asthma - Work-exacerbated | Extreme temperatures | 1004049005 |
| Asthma - Work-exacerbated | Humidity | 3525006 |
| Asthma - Work-exacerbated | Irritants (e.g. cleaning products, smoke, fumes, dusts) | 406429003 |
| Asthma - Work-exacerbated | Physical exertion | 19487008 |
| Asthma - Work-exacerbated | Unknown | 261665006 |
| Asthma - Work-exacerbated | Other | TBD |
| COPD – Chronic Bronchitis | Coal dust | 52141008 |
| COPD – Chronic Bronchitis | Engine exhaust | 76213002 |
| COPD – Chronic Bronchitis | Fire smoke | 64197008 |
| COPD – Chronic Bronchitis | Mixed dust | 7271004 |
| COPD – Chronic Bronchitis | Passive smoking | 228523000 |
| COPD – Chronic Bronchitis | Paint solvent-based | 228990004 |
| COPD – Chronic Bronchitis | Welding fumes | 255737005 |
| COPD – Chronic Bronchitis | Unknown | 261665006 |
| COPD – Chronic Bronchitis | Other | TBD |
| COPD – Emphysema | Coal dust | 52141008 |
| COPD – Emphysema | Cotton fibres | 89889006 |
| COPD – Emphysema | Diesel fumes  | 1598931000168104 |
| COPD – Emphysema | Grain Dust | 304628004 |
| COPD – Emphysema | Mixed dust | 7271004 |
| COPD – Emphysema | Passive smoking | 228523000 |
| COPD – Emphysema | Wood dust | 64601002 |
| COPD – Emphysema | Unknown | 261665006 |
| COPD – Emphysema | Other | TBD |
| Diffuse dust-related fibrosis | Silica dust | 311429008 |
| Diffuse dust-related fibrosis | Coal dust | 52141008 |
| Lung cancer | Arsenic | 47809000 |
| Lung cancer | Asbestos fibres  | 16369005 |
| Lung cancer | Chromium | 111070004 |
| Lung cancer | Coal dust | 52141008 |
| Lung cancer | Diesel fumes | 1598931000168104 |
| Lung cancer | Mixed dust | 7271004 |
| Lung cancer | Passive smoking | 228523000 |
| Lung cancer | Polycyclic aromatic hydrocarbons | 34862004 |
| Lung cancer | Radon gas | 72927002 |
| Lung cancer | Silica dust | 311429008 |
| Lung cancer | Soot  | 1598481000168107 |
| Lung cancer | Unknown | 261665006 |
| Lung cancer | Other | TBD |
| Mesothelioma | Asbestos fibres | 16369005 |
| Pneumoconiosis - Coal workers’ | Coal dust | 52141008 |
| Pneumoconiosis - Mixed dust | Coal dust | 52141008 |
| Pneumoconiosis - Mixed dust | Mixed dust | 7271004 |
| Pneumoconiosis - Mixed dust | Silica dust | 311429008 |
| Pneumoconiosis - Mixed dust | Other mineral dust | 26227005 |
| Pneumoconiosis - Mixed dust | Unknown | 261665006 |
| Pneumoconiosis - Mixed dust | Other | TBD |
| Pneumonitis - Hypersensitivity | Allergens (e.g. pollen, mould, animals, dust mites) | 277054007 |
| Pneumonitis - Hypersensitivity | Ammonia | 43953005 |
| Pneumonitis - Hypersensitivity | Extreme temperatures | 1004049005 |
| Pneumonitis - Hypersensitivity | Humidity | 3525006 |
| Pneumonitis - Hypersensitivity | Irritants (e.g. cleaning products, smoke, fumes, dusts) | 406429003 |
| Pneumonitis - Hypersensitivity | Physical exertion | 19487008 |
| Pneumonitis - Hypersensitivity | Unknown | 261665006 |
| Pneumonitis - Hypersensitivity | Other | TBD |
| Pneumonitis - Toxic | Ammonia | 43953005 |
| Pneumonitis - Toxic | Bromine | 85378003 |
| Pneumonitis - Toxic | Chlorine | 29276003 |
| Pneumonitis - Toxic | Formaldehyde | 111095003 |
| Pneumonitis - Toxic | Hydrogen Chloride | 27763000 |
| Pneumonitis - Toxic | Hydrogen Fluoride | 42757007 |
| Pneumonitis - Toxic | Methylisocyanate  | 79522001 |
| Pneumonitis - Toxic | Nitrogen Dioxide | 91424007 |
| Pneumonitis - Toxic | Phosgene | 70221002 |
| Pneumonitis - Toxic | Sulphur Dioxide | 86233005 |
| Pneumonitis - Toxic | Unknown | 261665006 |
| Pneumonitis - Toxic | Other | TBD |
| Silica associated lymphadenopathy | Silica dust | 311429008 |
| Other | Acrylates - artificial nails/eyelash/cosmetics/Dentistry | 272159008 |
| Other | Aldehydes e.g., Formaldehyde | 60530008 |
| Other | Allergens (e.g. pollen, mould, animals, dust mites) | 277054007 |
| Other | Ammonia | 43953005 |
| Other | Anhydrides/Acids | 34957004 |
| Other | Animal dander | 264287008 |
| Other | Arsenic | 47809000 |
| Other | Arthropods/mites | 106762008 |
| Other | Asbestos fibres | 16369005 |
| Other | Bio aerosols (mould/pollen) | 26071008 |
| Other | Bromine | 85378003 |
| Other | Chlorine | 29276003 |
| Other | Chromium | 111070004 |
| Other | Coal dust | 52141008 |
| Other | Cotton fibres | 89889006 |
| Other | Diesel fumes  | 1598931000168104 |
| Other | Engine exhaust | 76213002 |
| Other | Epoxy | 65345002 |
| Other | Extreme temperatures | 1004049005 |
| Other | Fire smoke | 64197008 |
| Other | Flour | 63766005 |
| Other | Formaldehyde | 111095003 |
| Other | Grain dust | 304628004 |
| Other | Hay dust  | 255703002 |
| Other | Humidity | 3525006 |
| Other | Hydrogen Chloride | 27763000 |
| Other | Hydrogen Fluoride | 42757007 |
| Other | Industrial cleaning agents | 79007002 |
| Other | Irritants (e.g. cleaning products, smoke, fumes, dusts) | 406429003 |
| Other | Isocyanates | 255771001 |
| Other | Latex | 111088007 |
| Other | Metals | 425620007 |
| Other | Methylisocyanate  | 79522001 |
| Other | Mixed dust | 7271004 |
| Other | Nitrogen Dioxide | 91424007 |
| Other | Other mineral dust | 26227005 |
| Other | Paint solvent-based | 228990004 |
| Other | Passive smoking | 228523000 |
| Other | Phosgene | 70221002 |
| Other | Physical exertion | 19487008 |
| Other | Polycyclic aromatic hydrocarbons | 34862004 |
| Other | Radon gas | 72927002 |
| Other | Silica dust | 311429008 |
| Other | Soot  | 1598481000168107 |
| Other | Sulphur Dioxide | 86233005 |
| Other | Welding fumes | 255737005 |
| Other | Wood dust | 64601002 |
| Other | Other | TBD |
| Other | Unknown | 261665006 |

If a physician selects ‘Other’, then the physician can search SNOMED to select a different causing agent (substance), or they can just type in a different causing agent.

Where the physician does not use a causing agent listed in SNOMED but enters their own causing agent, the SNOMED code will be ‘0’. The National Registry Operator reviews the text entered to find a suitable SNOMED code to update the SNOMED field. A SNOMED code of ‘9’ means there is no suitable code.

## Medical tests

The National Registry presents the physician with the following common medical tests used to diagnose a respiratory disease:

* Blood test
* Bronchial provocation
* CT Scan
* Gas Transfer
* Lung volumes
* Peak expiratory flow
* Pulse oximetry
* Spirometry
* X-ray
* Other medical test

If a physician selects ‘Other medical test’ then the physician can search SNOMED to select a different medical test (procedure), or they can type in a different medical test. The National Registry Operator reviews the text entered to find a suitable SNOMED code to update the SNOMED field. A SNOMED code of ‘9’ means there is no suitable code.

## Australia and New Zealand Standard Industrial Classification (ANZSIC)

The National Registry presents the physician with industries from the ANZSIC to classify the patient’s industry of workplace. More information about the ANZSIC can be found at <https://www.abs.gov.au/statistics/classifications/australian-and-new-zealand-standard-industrial-classification-anzsic/latest-release>.

## Australian and New Zealand Standard Classification of Occupations (ANZSCO)

The National Registry presents the physician with occupations from the ANZSCO to classify the patient’s occupation. More information about the ANZSCO can be found at <https://www.abs.gov.au/statistics/classifications/anzsco-australian-and-new-zealand-standard-classification-occupations/latest-release>.

## Job tasks

The National Registry presents the following common job tasks causing the last and main exposures:

* Abrasive/Sand blasting
* Assay laboratory sample preparing
* Cleaning tools, surfaces, or the workspace
* Cutting, Shaping, Sawing
* Excavating, drilling, earth moving
* Food preparation
* Installing
* Labouring
* Livestock, vegetation management
* Maintenance
* Mobile plant operator
* Office work
* Painting
* Polishing
* Spraying
* Transporting
* Wood working
* Not Stated
* Other

If a physician selects ‘Other’, then the physician can type in a different job task.