



NB-IRDT

New Brunswick Institute for
Research, Data and Training

Canadian Chronic Disease Surveillance System Asthma Data DH01c03

Compiled by NB-IRDT Staff
Created October 2023

How to Obtain More Information

For more information about this Codebook or other services and data available from the New Brunswick Institute for Research, Data and Training (NB-IRDT), contact us in any of the following ways:

- visit our website at <https://www.unb.ca/nb-irdt>
- email us at nb-irdt@unb.ca
- call us at 506-447-3363 Monday to Friday, 8:30am to 4:30pm

Table of Contents

How to Obtain More Information	2
About this Codebook.....	4
Overview	5
Sample Universe	5
Date Range	5
Data Source.....	5
How to Cite this Codebook.....	5
Acknowledgements.....	5
About this Product.....	6
Purpose of the Product.....	6
Definitions and Concepts.....	6
Content.....	6
General Methodology.....	7
Limitations	7
Comparison to other Products/Versions.....	7
Using with other Products	7
Record Layouts and Data Descriptions	8
Overview.....	8
[Data set Name]	8
[Variable Name]	8
Document History	10

About this Codebook

This data product is provided 'as is,' and NB-IRDT makes no warranty, either express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. In no event will NB-IRDT be liable for any direct, special, indirect, consequential or other damages, however caused.

Due to the operational nature of administrative data sets, there is potential for discrepancies between the names of variables and their corresponding definitions. In the case of such a discrepancy, the variable definition should be considered the most accurate representation.

Overview

The Canadian Chronic Disease Surveillance System (CCDSS) is a collaborative network of provincial and territorial surveillance systems, supported by the Public Health Agency of Canada (PHAC). The CCDSS enhances the scope of data on chronic diseases in Canada and supports the planning of health resources and the development of health policies and programs. It collects data on all residents who are eligible for provincial or territorial health insurance and can generate national estimates and trends over time for over 20 chronic diseases. NB-IRDT CCDSS Asthma dataset contains estimates of the incidence and prevalence of Asthma in New Brunswick patients.

Sample Universe

The data capture individuals living in New Brunswick who are eligible for provincial Medicare and who satisfy the screening criteria for Asthma (see General Methodology). Records are generated per person and fiscal year and are derived from other administrative databases (see Comparison to other Products/Versions).

Date Range

1995-04-01 to 2019-03-31

Data Source

New Brunswick Department of Health

How to Cite this Codebook

New Brunswick Institute for Research, Data and Training. (2022). Canadian Chronic Disease Surveillance System Asthma Data DH01c03 Codebook. Fredericton, NB: New Brunswick Institute for Research, Data and Training.

Acknowledgements

The DH01c03 Data is used with the permission of "New Brunswick Department of Health."

About this Product

Purpose of the Product

The purpose of the DH01c03 Data Codebook is to provide information on the linkable New Brunswick CCDSS Asthma data held at the New Brunswick Institute for Research, Data and Training (NB-IRDT). This data is accessible to researchers for health research.

Definitions and Concepts

Case – A case is defined (flagged) when an individual satisfies the criteria for the specified condition (see General Methodology).

Diagnosis – A diagnosis is an event, such as a hospitalization or a billing record, with a code indicating that an individual assessed by a healthcare provider has a specific health condition.

ICD – The International Statistical Classification of Diseases and Related Health Problems (ICD) is a typology for diagnoses of illnesses and diseases. The international standard is published by the World Health Organization (WHO), and a Canadian superset – built on top of the WHO standard – is produced by the Canadian Institute for Health Information (CIHI). The most recent Canadian ICD standard is the tenth revision (ICD-10-CA); however, many data sets available at NB-IRDT use the ninth revision (ICD-9-CA).

CCI – The Canadian Classification of Health Interventions (CCI) is a typology of health-related interventions developed by the Canadian Institute for Health Information (CIHI). The current version, the tenth revision (ICD-10-CA/CCI), has been developed for use with the tenth revision of the Canadian adaptation of the ICD (ICD-10-CA).

Fiscal Year – A fiscal or financial year is a twelve-month period typically used for reporting or accounting purposes. In Canada, fiscal years usually run from April 1st to March 31st of the following calendar year. They are commonly referred to by the calendar years they span (ex: 2020-2021 or 2020-21) or simply by the calendar year in which they start (ex: 2020).

Asthma is a common, chronic respiratory disease usually characterized by symptoms of cough, shortness of breath, chest tightness and wheeze. The CCDSS case definition of diagnosed asthma is: individuals aged one year and older having at least **two visits to a physician** with a diagnosis of asthma in the first diagnostic field in a **two-year period**, or at least **one hospital separation** with a diagnosis of asthma ever in any diagnostic field, coded by ICD-9(-CM) 493 or ICD-10-CA J45-46.

Content

The CCDSS Asthma database contains Individual-level data from the Canadian Chronic Disease Surveillance System and estimates the incidence and prevalence of Asthma in New Brunswick patients.

General Methodology

N/A

Limitations

N/A

Comparison to Other Products/Versions

N/A

Using with Other Products

N/A

Record Layouts and Data Descriptions

Overview

CCDSS Asthma Data

#	Name	Label	Type
1	Year	Year	Numeric
2	Act_caserule	asthma_act_caserule	String
3	Caserule	asthma_caserule	String
4	DiagnosisYear	Asthma_DiagnosisYear	Numeric
5	Status	Asthma_Status	String
6	Active_Status	Asthma_Active_Status	String
7	Sex	Sex	String
8	InsuranceEndDate	InsuranceEndDate	Date
9	Dead_Date	Dead_CaseDate	Date
10	Dead_Status	Dead_Status	String
11	Age	Age	Numeric
12	Dead_Year	Dead_DiagnosisYear	Numeric

Year

Year of case.

Act_caserule

Act_case rule.

Code	Description - English	Description - French
H	Hospital	
M	Medicare	

Caserule

Source of Case diagnosis.

Code	Description - English	Description - French
H	Hospital	
M	Medicare	

DiagnosisYear

Year of first diagnosis.

Status

Status.

Code	Description - English	Description - French
1	Active Case	

Active_Status

Active status.

Code	Description - English	Description - French
1	Active Case	

Sex

Indicates sex of patient.

Code	Description - English	Description - French
F	Female	Femelle
M	Male	Mâle

InsuranceEndDate

Medicare eligibility date: Date of insurance end (either end of fiscal year or due to death – the date may not be the date of death)

Dead_Date

Date of death.

Dead_Status

Dead status.

Code	Description - English	Description - French
0	Alive in the fiscal year.	
1	Deceased in the fiscal year.	

Age

Age of patient at the fiscal year.

Dead_Year

Year of death.

scram_id

Scram ID.

Document History

Version	Author	Nature of Change	Date
1.0	Meg Pike	Creation of document	October 23 2023
Approved by		Approval Date	Review Date
NB-IRDT Staff		October 23 2023	N/A