



NB-IRDT

New Brunswick Institute for
Research, Data and Training

Horizon Outpatient Clinic Data

Codebook For Years 2014-2024

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August 2024

How to obtain more information

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About this Codebook

This reference guide is intended for users of the Horizon Outpatient Clinic Data in New Brunswick in Health Zones 1,2,3, and 7, and provides an overview of the dataset. It includes information about the location of the facility, type of visit, patient demographics, and reason for the visit. Details about the family doctor and the doctor who conducted the visit are also included. The dataset, which also records the date of the visit, is a valuable resource for understanding and improving outpatient care.

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Overview

The Horizon Outpatient Clinic Data is a comprehensive dataset that encapsulates a wide array of information pertinent to outpatient visits. It includes details about the facility location, which can provide insights into geographical trends and regional healthcare disparities.

Four health zones in New Brunswick are covered in this dataset; Zone 1: Moncton/South-East Area, Zone 2: Fundy shore and Saint John Area, Zone 3: Fredericton and River Valley Area, and Zone 7: Miramichi Area. The type of visit is also recorded, offering a view into the nature of the healthcare services provided. Patients demographics such as age, gender, and language are included allowing for a nuanced understanding of the patient population. The reason for the visit is documented, providing context for the healthcare encounter.

Additionally, the dataset contains the name of the family doctor, which can be useful for continuity of care and patient-doctor relationship studies. The type of doctor who conducted the visit also noted, offering insights into the specialties involved in outpatient care. Finally, the date of visit is recorded, enabling temporal analyses and trend identification.

Data Range

Zones 1&2: 01-Apr-2014 -- 31-Mar-2024
Zone 3: 01-Jan-2020 -- 31-Mar-2024
Zone 7: 03-Apr-2017 -- 31-Mar-2024

Data Source

Horizon Health Network

How to cite this Codebook

New Brunswick Institute for Research, Data and Training. (2024). Horizon Outpatient Clinic Data HH25 Codebook for years 2014-2024, 2024. Fredericton, NB: New Brunswick Institute for Research, Data, and Training.

How to cite this product

New Brunswick Institute for Research, Data and Training. (2024). Horizon Outpatient Clinic Data HH25 Codebook for years 2014-2024, 2024. Fredericton, NB: New Brunswick Institute for Research, Data, and Training.

Acknowledgements

The Horizon Outpatient Clinic Database is used with permission of "Horizon Health Network".

About this product

Purpose of the product

The purpose of the Horizon Outpatient Clinic Database Codebook is to provide information on the linkable New Brunswick Horizon Outpatient Clinic data held at the New Brunswick Institute for Research Data and Training (NB-IRDT). This data is assessable to researchers for public health, understanding and improving outpatient care research.

Content

The Horizon Outpatient Clinic database contains individual-level data from Horizon Health Network, and estimates the outpatient care in health zones 1, 2, 3, and 7 in New Brunswick Canada.

Limitations

1. Data Range Discrepancy: The data for zone 3 covers a shorter period compared to other zones. This discrepancy may affect the comparability of trends and analyses across zones.
2. Missing variables by zone are as follows.

Zone	Missing variable(s)
2	PrimLocationName, ResCode, ResCodeDesc, AttendDocDftService, PrimCareDocDftService
3	PrimaryCareDr, PrimCareDocDftService, AttendDr, AttendDocDftService
7	PrimCareDocDftService

Comparison to other products/versions

N/A

Using with other products

In the Horizon Outpatient Clinic database, there are two variables; Scram-ID and Zone, that can be used to link the dataset to other products such as the Citizen Data (DH10) and the Discharge Abstract Data (DH05).

Technical specifications

Overview

Horizon Outpatient Clinic Data

#	Name	Label	Type*
	Scarm_id	Individual unique identifier	C
	zone	NB Health Zone	N
	Facility	Hospital	C
	PrimLocation	Medical Service Location code	C
	PrimLocationName	Medical Service Location Description	C
	AcctNo	Acct Number	C
	Age	Age	C
	Gender	Gender	C
	Language	Language	C
	PostalCode	Postal Code	C
	ResCode	Residence Code	C
	ResCodeDesc	Residence Code Description	C
	PrimaryCareDr	Family Doctor code	C
	PrimaryCareDrName	Family Doctor Name	C
	PrimCareDocDftService	Family Doctor Type	C
	AttendDr	Visit Doctor code	C
	AttendDrName	Visit Doctor Name	C
	AttendDocDftService	Visit Doctor Type	C
	ReasonVisit	Reason for Visit	C
	VisitStatus	Visit Type	C
	RegDate	Visit Dateline	N
	Year	Fiscal year	C

*The type N refers to numeric values while the type C refers to both alphabetic and numeric characters.

Record layouts and data descriptions

Zone

To provide a better understanding of local differences, the New Brunswick Health Council (NBHC) presents information at the health zone level. The boundaries of the seven health zones were established by provincial legislation.

Health Zone	Area
1	Moncton/ South-East
2	Fundy Shore and Saint John
3	Fredericton and River Valley
4*	Madawaska and North-West
5*	Restigouche
6*	Bathurst and Acadian Peninsula
7	Miramichi

*Not covered in this codebook

Facility

Horizon Health Network (Horizon) operates 12 hospitals and more than 100 medical facilities, clinics and offices throughout New Brunswick. The following table provides a breakdown of the facilities by zone covered in the Horizon Outpatient Clinic Data.

Zone	Facility
2	Campobello Health Centre
2	Charlotte County Hospital
2	Deer Island Health Centre
3	Dr. Everett Chalmers Hospital
2	Fundy Health Centre
2	Grand Manan Hospital
3	Hotel-Dieu of St. Joseph
2	K V Health Services
7	Miramichi Area
1	Moncton Hospital
3	Oromocto Public Hospital
1	Sackvill Memorial Hospital
2	Saint John Regional Hospital
2	St. Joseph's Hospital
2	Sussex Health Centre
3	Upper River Valley Hospital

PrimLocation and PrimLocationName

These two variable together provide information about where the patient has been registered in the clinic or hospital. Overall, there are many values and codes that are associated with these two variables. A global search over the values and searching for a specific service in the hospital may help to better understand where the patient was registered.

AcctNo

Account Number

Age

For children under 1-year-old, the variable Age has the format of MM DD where MM shows the number of months and DD shows the number of days. For the children under 6 years old, the variable Age has the format of Y MM, where Y represents year. For other ages, the variable Age has either 1, 2, or 3 digit characters. Please note that there are some cases that the value of Age does not make sense, such as 0, or 159, so it is suggested to use the Citizen Data (DH10) to verify the age of patients at registry date.

Gender

Gender	Patient gender
M	Male
F	Female
U	Unknown

Language

Language	Patient language
EN	English
FR	French

PostalCode

Patient postal code. There are many observations that are not valid because it seems they are not consistent with Canadian postal code format. Using the Citizen Data (DH10) is recommended to verify the patient postal code.

ResCode and ResCodeDesc

The residence area where the patient lived at registry.

PrimaryCareDr and PrimaryCareDrName

Family Doctor Name. Please note that the full names with inconsistencies in spelling and formatting have been observed. To ensure accurate analysis and avoid duplication, users are advised to standardize name by preprocessing, and phonetic matching.

PrimCareDocDftService

If not missing, the variable shows the type of patient's family doctor

PrimCareDocDftService	Type of patient's family doctor
ANA	?
COR	?
DEN	?
EMG	?
ENT	?
FAM.A	?
FAM.L	?
FAM.M	?
FAM.V	?
GER.M	?
GYN	?
MED.M	?
NEO 5	?
NSC	?
OBS.M	?
ORT	?
OTH	?
PAT	?
PED.M	?
PLA	?
PSY	?
RAD	?
REH	?
SUR.M	?
URO	?

AttendDr and AttendDrName

Visit Doctor code and Name. Please note that the full names with inconsistencies in spelling and formatting have been observed. To ensure accurate analysis and avoid duplication, users are advised to standardize name by preprocessing, and phonetic matching.

AttendDocDftService

Visit Doctor Type

AttendDocDftService	Visit Doctor Type
ADL	?
ANA	?
COR	?
DEN	?
EMG	?
ENT	?
FAM.A	?
FAM.L	?
FAM.M	?
FAM.V	?
GER.M	?
GMED	?
GSUR	?
GYN	?
INT	?
MED.M	?
NEO	?
NSC	?
OBGYN	?
OBS	?
OBS.M	?
ORT	?
OTH	?
PAT	?
PED.M	?
PLA	?
PMED	?
PSY	?
RAD	?
REH	?
SUR.M	?
URO	?

ReasonVisit

Patient's reason for visit.

VisitStatus

Visit Type

VisitStatus	Visit Type
ADM	?
ADM IN	?
CAN	?
CAN CLI	?
DEC ACUTE CARE INPATIENT	Acute Care Inpatient
DEC CHRONIC CARE INPATIENT	Chronic Care Inpatient
DEC CLINICAL OUTPATIENT	Clinical Outpatient
DEC DAYSURGERY PATIENT	Day surgery Patient
DEC EMERGENCY ROOM PATIENT	Emergency Room Patient
DEC PRE CLINICAL OUTPATIEN	Pre-Clinical Outpatient
DEC PRE EMERGENCY ROOM PAT	Pre Emergency Room Patient
DEC PRE RECURRING OUTPATIE	Pre Recurring Outpatient
DEC RECURRING OUTPATIENT	Recurring Outpatient
DEC REHAB INPATIENT	?
DEP CLI	?
DEP SDC	?
DIS IN	?
DIS RCR	?
DSC	?
FREDERICTON SURGICAL CENTE	Fredericton Surgical Center
HDP ACUTE CARE INPATIENT	Acute Care Inpatient
HDP CLINICAL OUTPATIENT	Clinical Outpatient
HDP EMERGENCY ROOM PATIENT	Emergency Room Patient
HDP RECURRING OUTPATIENT	Recurring Outpatient
OPH ACUTE CARE INPATIENT	Acute Care Inpatient
OPH CLINICAL OUTPATIENT	Clinical Outpatient
OPH DAYSURGERY PATIENT	Day surgery Patient
OPH EMERGENCY ROOM PATIENT	Emergency Room Patient
OPH PRE EMERGENCY ROOM PAT	Pre Emergency Room Patient
OPH RECURRING OUTPATIENT	Recurring Outpatient
PRE	?
REG CLI	?
REG POV	?
REG RCR	?
REG REF	?
REG SDC	?
SCH CLI	?
URV ACUTE CARE INPATIENT	Acute Care Inpatient

URV CLINICAL OUTPATIENT	Clinical Outpatient
URV DAYSURGERY PATIENT	Day surgery Patient
URV EMERGENCY ROOM PATIENT	Emergency Room Patient
URV PRE RECURRING OUTPATIE	Pre Recurring Outpatient
URV RECURRING OUTPATIENT	Recurring Outpatient

RegDate

Visit date, MM/DD/YYYY

Year

Fiscal year, YYYY-YYYY. Note that an additional format only for the first three months of 2020 is observed as Jan2020-Mar2020. It can be fallen into the fiscal year 2019-2020 category.

DOCUMENT HISTORY

Version	Author	Nature of Change		Date
1.0	Ali Beykzadeh	Creation of document		August 16, 2024
Approved by		Approval Date	Effective Date	Review Date
Meaghan Pike		August 30, 2024	August 30, 2024	