



NB-IRDT

New Brunswick Institute for
Research, Data and Training

Clinical Data Repository (Lumbar) DH 21

Codebook

Compiled by NB-IRDT Staff

How to Obtain More Information

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

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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

Clinical Data Repository

Sample Universe

All New Brunswickers who underwent diagnostic imaging for lumbar/spine complaints.

Date Range

2011-03-01 to 2019-12-16

Data Source

Department of Health

How to Cite this Codebook

New Brunswick Institute for Research, Data and Training. (2022). Clinical Data Repository (Lumbar) DH21 Codebook. Fredericton, NB: New Brunswick Institute for Research, Data and Training.

Acknowledgements

The Clinical Data Repository (Lumbar) dataset is used with the permission of the Government of New Brunswick, Department of Health.

About this Product

Purpose of the Product

The purpose of the Clinical Data Repository (Lumbar) dataset Codebook is to provide information on the linkable New Brunswick lumbar/spine focused diagnostic imaging data held at the New Brunswick Institute for Research, Data and Training (NB-IRDT). This data is accessible to researchers for health system and public health research.

Definitions and Concepts

Any relevant definitions and concepts related to the dataset

Content

The Clinical Data Repository (Lumbar) dataset contains the medical diagnostic imaging testing details and values of individuals referred for the test.

General Methodology

Individuals undergoing testing for lumbar/spinal complaints are referred to diagnostic imaging.

Limitations

Clinical Data Repository (Lumbar) dataset does not contain any information describing why the diagnostic imaging was ordered or results of the test. As such, its usefulness in disease identification and population health is limited without linkage to other data products.

Comparison to Other Products/Versions

The Clinical Data Repository (Lumbar) dataset [DH21] describes patterns in diagnostic testing like:

- DH24 – Hemoglobin HbA1c
- DH12 – Provincial Breast Cancer Screening Database

As such, they do not represent individuals with a specific condition or disease, but rather individuals suspected of a specific condition or disease. Unlike the datasets listed above, DH21 does **NOT** describe the outcome of the test.

Using with Other Products

DH01c01 to c015 – CCDSS– The Canadian Chronic Disease Surveillance System for contains longitudinal records about chronic health conditions, such as diabetes, flagged using algorithms and administrative data. Linking diagnostic imaging for lumbar/spinal complaints and CCDSS data may provide insights about the use of diagnostic imaging for lumbar/spinal among individuals with the specific disease.

DH05 – Discharge Abstract Data – The Discharge Abstract Data (DAD) is a collection of records of hospitalizations in New Brunswick and contains details regarding patient characteristics, diagnoses, interventions, and healthcare providers. Linkages between the DH21 and DAD would allow the identification and comparison of diagnostic imaging for lumbar/spinal complaints among hospitalized individuals.

DH08 – NB Physician Billing – The NB Physician Billing data set contains claims for services rendered by healthcare providers, that were paid for through New Brunswick Medicare. Claims associated with the diagnostic imaging for lumbar/spinal complaints of patients can be linked directly using scrambled patient identifiers; however, physician identifiers are not readily available. It may be possible to establish linkages with referring physicians with diagnostic imaging for lumbar/spinal complaints testing information.

DH10 – Citizens Data – The Citizen Database is a longitudinal data set of individuals living in New Brunswick, based on their eligibility for provincial Medicare. Combining the Citizen Database with DH21 data may reveal insights about the demographic, geographic, and temporal characteristics of diagnostic imaging for lumbar/spinal complaints in New Brunswick.

Record Layouts and Data Descriptions

Overview

If multiple data sets are contained within a database, summarize the database content using the following table format:

Clinical Data Repository

#	Name	Label	Type
1	IRID	Interim Record ID	N
2	Region	Region	C
3	Zone	Zone	C
4	Facility	Facility	C
5	Category_Mnemonic	Mnemonic Category	C
6	Proc_Mnemonic		C
7	CCI_ENG_DESC	English Description	C
8	Collection_Date	Date of collection	N
9	Reported_Date	Date of Reporting	N
10	Patient_DOB	Patient date of birth	N

Zone

Zone.

Code	Description - English
RHA1B	Kent et Sud-Est
RHA1SE	Moncton
RHA2	Saint John
RHA3	Fredericton and Upper River Valley
RHA4	Madawaska-Victoria
RHA5	Restigouche
RHA6	Chaleur et Péninsule Acadienne
RHA7	Miramichi

Facility

Facility.

Code	Description
801	Dr. Everett Chalmers Regional Hospital
803	Fundy Health Centre - Blacks Harbour
805	Hôpital régional de Campbellton
809	Hôpital régional d'Edmundston
816	Grand Manan Hospital
817	Harvey Health Centre

818	Hôpital et Centre de santé communautaire de Lamèque
820	The Moncton Hospital
822	Miramichi Regional Hospital
823	Hotel-Dieu of St. Joseph
824	Tobique Valley Hospital
826	Sackville Memorial Hospital
829	Saint John Regional Hospital
831	St. Joseph's Hospital
832	Hotel-Dieu Saint-Joseph de Saint-Quentin
833	Charlotte County Hospital
834	Sussex Health Centre
835	Hôpital de Tracadie
839	Hôpital régional Chaleur
842	Hôpital général de Grand-Sault
845	Hôpital Stella-Maris-de-Kent
846	Oromocto Public Hospital
848	Hôpital régional Dr-Georges-L.-Dumont
850	Upper River Valley Hospital
901	Baie-Ste-Anne HSC
902	
910	Nova Scotia
950	Manitoba
961	Bangor

Category_Mnemonic

Mnemonic category.

Code	Description
ANGIO	X-ray
CF	X-ray
CT	CT - Computerized Tomography
CT40	CT - Computerized Tomography 40
CT41	CT - Computerized Tomography 41
CT43	CT - Computerized Tomography 43
CT44	CT - Computerized Tomography 44
CT46	CT - Computerized Tomography 46
CT47	CT - Computerized Tomography 47
CT54	CT - Computerized Tomography 54
CT55	CT - Computerized Tomography 55
CT56	CT - Computerized Tomography 56
DOR	X-ray
DRAD	X-ray
IMN	Nuclear Medicine

IRAD	X-ray
IRM	MRI - Magnetic Resonance Imaging
ITA	CT - Computerized Tomography
KCT	CT - Computerized Tomography
KMRI	MRI - Magnetic Resonance Imaging
KRAD	X-ray
MEDNUC	Nuclear Medicine
MR40	MRI Cervical Spine -S
MR41	MRI Cervical Spine w/ Contrast -S
MR42	MRI Cervical Spine w/wo Contrast -S
MR43	MRI Thoracic Spine -S
MR44	MRI Thoracic Spine w/wo Contrast -S
MR45	MRI Lumbar Spine -S
MR46	MRI Lumbar Spine w/ Contrast -S
MR47	MRI Lumbar Spine w/wo Contrast -S
MR48	MRI Thoracic Spine w/wo Contrast -S
MRI	MRI - Magnetic Resonance Imaging
NM	Nuclear Medicine
NM206	Nuclear Medicine 206
NM207	Nuclear Medicine 207
NM208	Nuclear Medicine 208
OR14	operating room 14
OR15	operating room 15
OR27	operating room 27
OR28	operating room 28
OR29	operating room 29
OR5	operating room 5
PO13	Cervical Spine - Portable -S
PO14	Thoracic Spine - Portable -S
PO15	Lumbar Spine - Portable -S
PO3	Baseline Cerv Spine Lat Only - Port -S
PORT	X-ray
RAD	X-ray
RADS	X-ray
SP1	Cervical Spine with Obliques -S
SP101	Thoracic Spine -S
SP103	Thoracic Spine with Obliques -S
SP202	Lumbosacral Spine with Bending Views -S
SP203	Lumbosacral Spine with Obliques -S
SP205	Lumbar Spine - Obliques Only -S
SP206	Lumbar Spine - Flexion and Extension Only -S
SP207	Lumbar Spine - Ferguson View -S

SP214	Lumbar Spine with Flexion and Extension -S
SP215	Lumbar Spine -S
SP3	Cervical Spine - AP and Lat -S
SP4	Cervical - Obliques Only -S
SP5	Cervical Spine - Lateral Only -S
SP51	Cervical Spine - Flexion and Extension Only -S
SP60	Spine - Fluoroscopy -S
SP702	Cervical,Thoracic and Lumbar Spines -S
SP703	Thoracolumbar Spine -S
SP704	Thoracic Spine - Flexion and Extension Only -S
SP903	Myelogram - Lumbar -S
TO13	Tomography - Cervical Spine -S
US	Ultrasound
XA220	X-ray 220
XA221	X-ray 221
XA222	X-ray 222
XA224	X-ray 224
XA226	X-ray 226
XA228	X-ray 228
XA399	X-ray 399
XA427	X-ray 427
XA429	X-ray 429

Document History

Version	Author	Nature of Change	Date
1.0	Meg Pike	Creation of Document	05-01-2022
1.1	Kyle Pike	Review of Document	06-01-2022
1.1	Meg Pike	Final review of document before posting.	06-15-2022