

Manitoba Centre for Health Policy (MCHP)
Concepts in Progress / Status
As of January 12, 2024



Status: In Progress (12)

Subject	Title	Type	Progress	Request Summary
Data Management	Data Quality Framework	New	50%	- create a concept describing the Data Quality Process at MCHP.
Data Management	Metadata Repository	New	80%	- create concept that describes the MCHP Metadata Repository functionality and a variety of similar "tools" that are available on other organization's websites.
Data Management	Sex and Gender Related Data in the Manitoba Population Research Data Repository	New	75%	- develop a concept describing the sex and gender related data available in the MB Population Research Data Repository.
Education	Mathematics Achievement Index - Modifications	Modify	90%	- update information on Mathematics Achievement Index
Hospital	Daily Peak Bed Occupancy - ICU	New	20%	- create a concept on ICU bed occupancy including ICU bed use and estimated need for ICU beds.
Hospital	Out of Hospital Indicator	New	10%	- add information on "out-of-hospital" indicator and impact this has on analysis.
Hospital	Service Type - In Hospital	New		- create concept describing methods used to categorize hospital inpatients into service types. See concept titled "Hospital Inpatients: Service Types".
Methods	Cardiac Risk Algorithm - Comorbidity Index	New	85%	- create concept on cardiac risk algorithm - comorbidity index methods used in AMI (acute myocardial infarction) article (2001).
Methods	Matching By Distance - Methodology	New	50%	- create a concept that describes a methodology for matching by distance.
Methods	Methods of Matching Cases to Controls	New	25%	- create a concept(s) describing different methods that can be used to "match" cases (a cohort) to control groups in research. These methods include: direct matching, distance matching, propensity score matching, and risk set matching.
Statistical Methods	Propensity Score Methods	New	90%	- create concept on propensity score methods and how they are used in MCHP research.
Statistical Methods	Statistics for Large Databases	Modify	40%	- add brief descriptions to each of the methods listed in the concept.

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Data Management	Birth Cohort	New		- review Oreopoulos et al. "Short-, medium-, and Long-Term Consequences of Poor Health", (2008) and add information from relevant sections related to the Birth Cohort. Sections include: descriptions of data sources that provide date of birth, family identification (mother, father, siblings, twins), language arts tests, and income quintiles; and information about social assistance and follow-up.
Data Management	Birth Cohort Registry - Methodology	Modify		- update concept with SAS code using SPD data constructs.
Data Management	Linkable Administrative Files: Family Information and Existing Data	New		- develop / update concepts related to Linkable Administrative Files
Data Management	PHIN - Scrambled PHIN and File PHIN	New		- create concept on Scrambled PHIN and File PHIN variables in MCHP data.
Diagnoses	Charlson Comorbidity Index	New		- review and add information and reference information from article "Updating and Validating the Charlson Comorbidity Index and Score for Risk Adjustment in Hospital Discharge Abstracts Using Data from 6 Countries"
Diagnoses	CNODES - Acute Kidney Injury (AKI) and Statins Use	New	0%	- create concept on methods to identify Acute Kidney Injury (AKI) and use of statins from CNODES project.
Diagnoses	Maternal Depression	Modify		- add information on maternal depression to Depression concept; include list of medications.
Education	Skipping a Grade	New		- create a concept describing the concept of skipping a grade / accelerated learning.
Geographic Analysis	Geographic Areas	New	0%	- create a concept providing an overview of the different methods of geographic analysis used in MCHP research.
Geographic Analysis	Regional Health Authorities (RHA) and RHA Districts	Modify		- update concept describing amalgamation of municipalities in 2015 and impact on RHA analysis

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Subject	Title	Type		Request Summary
Hospital	Hospital Service Codes	Modify		- update existing concept on patient/hospital service codes based on information contained in Who is in Our Hospitals ... and Why? deliverable.
Income	Income Data Sources	New		- develop a concept identifying all the possible data sources in the Manitoba Population Research Data Repository that contain household income-related data. Original request from Mark Smith.
Long Term Care (LTC)	Quality Care Indicators for Personal Care Home (PCH) Residents	New		- develop a summary concept identifying and describing the 10 quality care indicators for Personal Care Home (PCH) residents.
Methods	Access to Care	New		- create new concept on "Access to Care" based on methods used in Education Cohort Study.
Methods	Clinical Profile From the Minimum Data Set (MDS) Data	New		- create a concept describing the methods of developing a clinical profile of Supportive Housing and Personal Care Home (PCH) clients using the Minimum Data Set (MDS) data: MDS-HC and MDS 2.0.
Methods	Deliverable - Describing Patient Populations for the My Health Team Initiative	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Describing Patterns of Home Care Use in Manitoba	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Exploring Tuberculosis Treatment, Management, and Prevention in Manitoba's Administrative Health Data	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.

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Methods	Deliverable - Factors Affecting Emergency Department Waiting Room Times in Winnipeg	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Health and Social Outcomes Associated with High-Risk Alcohol Use	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Methamphetamine Use in Manitoba: A Linked Administrative Data Study	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Orthopedic and Ophthalmology Surgical Projection Models	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Outpatient Antibiotic Prescribing by Manitoba Clinicians	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Revisiting Primary Care Provider Projection Models	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Strategies for Developing a Personal Care Home Report Card in Manitoba	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.

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Methods	Deliverable - The Diversity of Immigrants to Manitoba, Migration Dynamics and Basic Healthcare Service Use	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Type 2 Diabetes in Manitoba	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Using Administrative Data to Predict Near-Future Critical Illness	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Deliverable - Variations in Resource Use and Costs of Hospital Care in Manitoba	New		- add relevant content (glossary terms and concepts) from Deliverable to Concept Dictionary.
Methods	Exclusions - Common Database Exclusions Used at MCHP	Modify		- add additional "common" data exclusions to concept information.
Methods	Family Relationships	New		1. Create a concept that describes the methods on how we develop family relationship information (e.g.: Siblings, Children of, Spouse, Parents) from the Health insurance Registry data. See notes from Feb. 26 Data Analyst meeting.
Methods	Length of Stay (LOS) - Inpatient, Day Surgery, Emergency Care, PCH, ETC.	New		- create a concept describing the many ways that LOS is calculated, based on the type of setting / care that is being provided.
Methods	Linking Mothers and Fathers to Newborns: Methodology	New		- create a concept describing the methodology for linking (identifying) mothers with newborns and fathers with newborns.

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Methods	Netting Records in DPIN and Medical Services Files	Modify		- update methods for "netting" claims in DPIN and Medical Services file.
Methods	Residential Mobility	Modify		- update information in Residential Mobility concept on methods of tracking movement by changes in postal code.
Methods	Validation of Data Sources	New		- create a concept discussing and containing examples of how we validate the data sources used in our research.
Pharmaceutical/ Drug	Use and Identification of Specific Drugs in Clinical Research	Modify		- update/combine information in this concept with new concept titled: Creating Drug Identification Number (DIN) Lists Using the SPD Server Updated DIN Master (UDM) File
Physician	Patient Allocation Algorithm: Assigning Patients to Physicians, Physician Groups or Clinics	Modify		- update internal SAS code example to handle change in MD number to 5-digits .
Physician	Physician Place of Practice - INTERNAL	Modify		- update concept with material from October 27, 2016 Data Analyst Meeting
Social Measures	CCHS 2012 - Mental Health Survey	New		- add CCHS support information regarding Mental Health survey.
Social Measures	Residential Persistence	Modify		- update concept with method of Census selection.
Socioeconomic Status (SES)	SES (Income Quintiles) and Children	New		- create a concept containing information on socioeconomic status (using income quintiles) and how this relates to children.
Statistical Methods	Adjusted Rates	New		- create a concept describing the term "Adjusted Rates"; define and explain why and where adjusted rates are used in analyses.
Statistical Methods	Crude Rate Calculations Using SAS	New		- develop a concept describing how you can generate crude rates using SAS.
Statistical Methods	Data Suppression - New Rules	New		- March, 2019 - general discussion on changing data suppression rules. No decision has been made yet!!

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Statistical Methods	Logistic Regression - Calibration of the Data Model	Modify		- update concept with information on the use of the Hosmer Lemeshow test statistic and some considerations regarding the use of large (> 25,000) sample sizes.
Statistical Methods	Modeling and Age- and Sex-Adjustments	New		- create a concept on modeling and how age- and sex-adjustments are made in the model.
Statistical Methods	Multilevel Modeling	New		- create a concept describing the methods of multilevel modeling used in MCHP research.
Statistical Methods	Propensity Score Methods	New		- add information about the use of the Y Sensitivity Test with propensity score methods.
Statistical Methods	Survival Analysis & Time Dependent Covariates	Modify		- update Survival Analysis concept with method using "time dependent covariates".