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

Status: Started (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.

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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	- 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	- create a concept providing an overview of the different methods of geographic analysis used in MCHP research.

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Geographic Analysis	Regional Health Authorities (RHA) and RHA Districts	Modify	- update concept describing amalgamation of municipalities in 2015 and impact on RHA analysis
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.

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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.
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.

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Subject	Title	Type	Request Summary
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.
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.

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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.
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

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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!!
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".