MCHP Concepts in Progress / Status
As of: October 4, 2019

Status: In Progress (17)

Subject	Title	Type	Progress	Request Summary
Data Management	Data Quality Framework	New	50%	- create a concept describing the Data Quality Process at MCHP.
Diagnoses	CNODES - Acute Kidney Injury (AKI) and Statins Use	New	5%	- create concept on methods to identify Acute Kidney Injury (AKI) and use of statins from CNODES project.
Education	Mathematics Achievement Index - Modifications	Modify	90%	- update information on Mathematics Achievement Index
Geographic Analysis	Geographic Areas	New	10%	- create a concept providing an overview of the different methods of geographic analysis used in MCHP research.
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.
Income	Income Data Sources	New	10%	- develop a concept identifying all the possible data sources in the Manitoba Population Research Data Repository that contain household income-related data.
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	Cohort Development to Investigate the Relationship Between Maternal Adolescent Childbearing / Older Sister Teenage Pregnancy and a Younger Daughter's/Sister's Teenage Pregnancy	New	90%	- create a concept describing the methods for selecting a cohort of teenage pregnancy, older sisters and moms.
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.
Methods	Twins	Modify	5%	- update information in Twins concept based on work by Michelle Liu.
Physician	Equivalent Services Measure (ESM)	New	50%	- create a concept based on methods for the Equivalent Services Measure (ESM) for physician services.
Procedures	Cardiac Catheterization	New	85%	- create a concept describing how cardiac catheterization is defined in MCHP administrative data.
Procedures	Coronary Artery Bypass Surgery	New	85%	- create a concept describing how Coronary Artery Bypass Surgery is defined in MCHP administrative data.
Statistical Methods	Statistics for Large Databases	Modify	40%	- add brief descriptions to each of the methods listed in the concept.
Statistical Methods	Waiting Times for Surgery	Modify	75%	- update information on waiting times for surgery based on 2007 report "Waiting Times for Surgery, Manitoba 1999/2000 to 2003/04"

Status: Not Started (39)

Subject	Title	Type		Request Summary
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	MCHP Research Registry	Modify		- revise content to reflect that as an entity, the Research Registry no longer exists. Specific elements, such as family structure, are now extracted from the Repository using a structured, standard programming effort. Specific elements are no longer maintained in the Registry.
Data Management	Nurse Practitioner Data Identification	New		- develop a concept describing how Nurse Practitioner data is identified and how it is used in our research.
Data Management	Overview of the Prosecutions Information and Scheduling Management (PRISM) Data	New		- create a new concept describing the PRISM (Prosecutions) data in the Data Repository.
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	Diagnoses Coded in ICD-9-CM	Modify		- update individual concepts related to diseases / diagnoses / procedures with ICD-9-CM codes from Medical Research Definitions.
Diagnoses	Maternal Depression	Modify		- add information on maternal depression to Depression concept; include list of medications.
Diagnoses	Mental Health - Data Sources and Methods of Identification	New		- create a concept listing the data sources and methods for identifying mental health conditions in administrative health data.
Diagnoses	Mood and Anxiety Disorders - Measuring Prevalence	Modify		- update concept and related concepts / terms (e.g.: depression, anxiety) that this may be investigated in combination or separately.
Diagnoses	Tuberculosis (TB) - Method of Identification	Modify		- update existing concept with information from the 2018 Deliverable titled "Exploring Tuberculosis Treatment, Management, and Prevention in Manitoba's Administrative Health Data".
Education	School Types	New		- create a concept describing the different school types in the Manitoba Education system.
Education	Skipping a Grade	New		- create a concept describing the concept of skipping a grade / accelerated learning.
Geographic Analysis	Regional Health Auhorities (RHA) and RHA Districts	Modify		- update concept describing amalgamation of municipalities in 2015 and impact on RHA analysis
Geographic Analysis	Regional Health Authorities (RHA) in Manitoba	Modify		- update concept with information on recent (2012) amalgamation of municipalities in Manitoba
Hospital	Acute Physiology Score (APS)	New		- create a concept on the method of defining APS values.
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.

Status: Not Started (39) - Continued

Subject	Title	Type		Request Summary
Hospital	Service Type - In Hospital	New		- create concept describing methods used to categorize hospital inpatients into service types.
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	Exclusions - Common Database Exclusions Used at MCHP	Modify		- add additional "common" data exclusions to concept information.
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	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
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".