<table>
<thead>
<tr>
<th>Subject</th>
<th>Title</th>
<th>Type</th>
<th>Progress</th>
<th>Request Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Management</td>
<td>Data Quality Framework</td>
<td>New</td>
<td>50%</td>
<td>- create a concept describing the Data Quality Process at MCHP.</td>
</tr>
<tr>
<td>Diagnoses</td>
<td>CNODES - Acute Kidney Injury (AKI) and Statins Use</td>
<td>New</td>
<td>5%</td>
<td>- create concept on methods to identify Acute Kidney Injury (AKI) and use of statins from CNODES project.</td>
</tr>
<tr>
<td>Education</td>
<td>Mathematics Achievement Index - Modifications</td>
<td>Modify</td>
<td>90%</td>
<td>- update information on Mathematics Achievement Index</td>
</tr>
<tr>
<td>Geographic Analysis</td>
<td>Geographic Areas</td>
<td>New</td>
<td>10%</td>
<td>- create a concept providing an overview of the different methods of geographic analysis used in MCHP research.</td>
</tr>
<tr>
<td>Hospital</td>
<td>Daily Peak Bed Occupancy - ICU</td>
<td>New</td>
<td>20%</td>
<td>- create a concept on ICU bed occupancy including ICU bed use and estimated need for ICU beds.</td>
</tr>
<tr>
<td>Hospital</td>
<td>Out of Hospital Indicator</td>
<td>New</td>
<td>10%</td>
<td>- add information on &quot;out-of-hospital&quot; indicator and impact this has on analysis.</td>
</tr>
<tr>
<td>Income</td>
<td>Income Data Sources</td>
<td>New</td>
<td>10%</td>
<td>- develop a concept identifying all the possible data sources in the Manitoba Population Research Data Repository that contain household income-related data.</td>
</tr>
<tr>
<td>Methods</td>
<td>Cardiac Risk Algorithm - Comorbidity Index</td>
<td>New</td>
<td>85%</td>
<td>- create concept on cardiac risk algorithm - comorbidity index methods used in AMI (acute myocardial infarction) article (2001).</td>
</tr>
<tr>
<td>Methods</td>
<td>Cohort Development to Investigate the Relationship Between Maternal Adolescent Childbearing / Older Sister Teenage Pregnancy and a Younger Daughter’s/Sister’s Teenage Pregnancy</td>
<td>New</td>
<td>90%</td>
<td>- create a concept describing the methods for selecting a cohort of teenage pregnancy, older sisters and moms.</td>
</tr>
<tr>
<td>Methods</td>
<td>Matching By Distance - Methodology</td>
<td>New</td>
<td>50%</td>
<td>- create a concept that describes a methodology for matching by distance.</td>
</tr>
<tr>
<td>Methods</td>
<td>Methods of Matching Cases to Controls</td>
<td>New</td>
<td>25%</td>
<td>- create a concept(s) describing different methods that can be used to &quot;match&quot; cases (a cohort) to control groups in research. These methods include: direct matching, distance matching, propensity score matching, and risk set matching.</td>
</tr>
<tr>
<td>Methods</td>
<td>Twins</td>
<td>Modify</td>
<td>5%</td>
<td>- update information in Twins concept based on work by Michelle Liu.</td>
</tr>
<tr>
<td>Physician</td>
<td>Equivalent Services Measure (ESM)</td>
<td>New</td>
<td>50%</td>
<td>- create a concept based on methods for the Equivalent Services Measure (ESM) for physician services.</td>
</tr>
<tr>
<td>Procedures</td>
<td>Cardiac Catheterization</td>
<td>New</td>
<td>85%</td>
<td>- create a concept describing how cardiac catheterization is defined in MCHP administrative data.</td>
</tr>
<tr>
<td>Procedures</td>
<td>Coronary Artery Bypass Surgery</td>
<td>New</td>
<td>85%</td>
<td>- create a concept describing how Coronary Artery Bypass Surgery is defined in MCHP administrative data.</td>
</tr>
<tr>
<td>Statistical Methods</td>
<td>Waiting Times for Surgery</td>
<td>Modify</td>
<td>75%</td>
<td>- add brief descriptions to each of the methods listed in the concept.</td>
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<tr>
<td>Data Management</td>
<td>Birth Cohort</td>
<td>New</td>
<td>- review Oreopoulos et al. &quot;Short-, medium-, and Long-Term Consequences of Poor Health&quot;, (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.</td>
<td></td>
</tr>
<tr>
<td>Data Management</td>
<td>Birth Cohort Registry - Methodology</td>
<td>Modify</td>
<td>- update concept with SAS code using SPD data constructs.</td>
<td></td>
</tr>
<tr>
<td>Data Management</td>
<td>Linkable Administrative Files: Family Information and Existing Data</td>
<td>New</td>
<td>- develop / update concepts related to Linkable Administrative Files</td>
<td></td>
</tr>
<tr>
<td>Data Management</td>
<td>MCHP Research Registry</td>
<td>Modify</td>
<td>- 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.</td>
<td></td>
</tr>
<tr>
<td>Data Management</td>
<td>Nurse Practitioner Data Identification</td>
<td>New</td>
<td>- develop a concept describing how Nurse Practitioner data is identified and how it is used in our research.</td>
<td></td>
</tr>
<tr>
<td>Data Management</td>
<td>Overview of the Prosecutions Information and Scheduling Management (PRISM) Data</td>
<td>New</td>
<td>- create a new concept describing the PRISM (Prosecutions) data in the Data Repository.</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Charlson Comorbidity Index</td>
<td>New</td>
<td>- review and add information and reference information from article &quot;Updating and Validating the Charlson Comorbidity Index and Score for Risk Adjustment in Hospital Discharge Abstracts Using Data from 6 Countries&quot;</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Diagnoses Coded in ICD-9-CM</td>
<td>Modify</td>
<td>- update individual concepts related to diseases / diagnoses / procedures with ICD-9-CM codes from Medical Research Definitions.</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Maternal Depression</td>
<td>Modify</td>
<td>- add information on maternal depression to Depression concept; include list of medications.</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Mental Health - Data Sources and Methods of Identification</td>
<td>New</td>
<td>- create a concept listing the data sources and methods for identifying mental health conditions in administrative health data.</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Mood and Anxiety Disorders - Measuring Prevalence</td>
<td>Modify</td>
<td>- update concept and related concepts / terms (e.g.: depression, anxiety) that this may be investigated in combination or separately.</td>
<td></td>
</tr>
<tr>
<td>Diagnoses</td>
<td>Tuberculosis (TB) - Method of Identification</td>
<td>Modify</td>
<td>- update existing concept with information from the 2018 Deliverable titled &quot;Exploring Tuberculosis Treatment, Management, and Prevention in Manitoba's Administrative Health Data&quot;.</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>School Types</td>
<td>New</td>
<td>- create a concept describing the different school types in the Manitoba Education system.</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>Skipping a Grade</td>
<td>New</td>
<td>- create a concept describing the concept of skipping a grade / accelerated learning.</td>
<td></td>
</tr>
<tr>
<td>Geographic Analysis</td>
<td>Regional Health Authorities (RHA) and RHA Districts</td>
<td>Modify</td>
<td>- update concept describing amalgamation of municipalities in 2015 and impact on RHA analysis.</td>
<td></td>
</tr>
<tr>
<td>Geographic Analysis</td>
<td>Regional Health Authorities (RHA) in Manitoba</td>
<td>Modify</td>
<td>- update concept with information on recent (2012) amalgamation of municipalities in Manitoba.</td>
<td></td>
</tr>
<tr>
<td>Hospital</td>
<td>Acute Physiology Score (APS)</td>
<td>New</td>
<td>- create a concept on the method of defining APS values.</td>
<td></td>
</tr>
<tr>
<td>Hospital</td>
<td>Hospital Service Codes</td>
<td>Modify</td>
<td>- update existing concept on patient/hospital service codes based on information contained in Who is in Our Hospitals ... and Why? deliverable.</td>
<td></td>
</tr>
</tbody>
</table>
## MCHP Concepts in Progress / Status
### As of: October 4, 2019

<table>
<thead>
<tr>
<th>Status: Not Started (39) - Continued</th>
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<tbody>
<tr>
<td><strong>Subject</strong></td>
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<tr>
<td>Hospital</td>
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<tr>
<td>Long Term Care (LTC)</td>
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<tr>
<td>Methods</td>
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<tr>
<td>Pharmaceutical/Drug</td>
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<tr>
<td>Social Measures</td>
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<tr>
<td>Socioeconomic Status (SES)</td>
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