EXAMPLE List of MCHP Repository Databases Required for Project

The following table is an example of the list of MCHP Repository databases required for a research project. The list contains information about the type of data, the years required, the information / variables required, and the rationale for this data for the project.

For some projects specific variable names are required, but in some cases, conceptual information about the data is acceptable. By providing a conceptual description of the data and the rationale for needing it allows MCHP to extract the required data without listing all of the specific variable names in the table. For example, there are over 100 diagnosis-related variables in the Hospital Discharge Abstracts data and listing all of them all is not required. By specifying that the project requires diagnosis-related information, all of the relevant variables will be provided.

The following table is an example, rather than a template. It illustrates the kind of wording and level of detail that has been sufficient in the past. The table only contains a small number of datasets, and some examples of the information required. In this example, the project proposal is looking at maternal and childhood outcomes for a defined cohort of specific mothers and their children, for follow-up.

It is important that the "Information/Variables Required" and "Rationale" sections described in the table match what is stated in the study description/proposal. When completing a data request table please ensure that the actual information being requested, date ranges, and rationale reasonably matches the project outcomes/goals described in the proposal.

Source/Database	Years	Information/Variables Required	Rationale
MHSAL, Hospital Discharge Abstracts	1980/1981-2000/2001 1995/96 to 2015/2016	Patient demographic, admission and separation information and dates, diagnostic and procedure fields, hospital services, obstetrical and neonatal outcomes, comorbidity and resource intensity.	For information related to pregnancy and birth hospitalizations, as well as infant and child hospitalizations and service utilization. Also needed for data on maternal health. Calculation of comorbidity indicators. Prior child birth records (1980-2000) for individual mothers, and associated children, is required to determine the kind of birth and pre-existing maternal conditions, along with identification of biological siblings. There are dates requested that are earlier than the case definition in the proposal since wash out periods and case definitions use the existence of pre-existing information.

| **MHSAL, Medical Services** | From: Mother's birth to 2015/2016 | Patient demographics, service date, service information, diagnostic information, physician type. | Needed for measuring health utilization for various diagnoses. Calculation of comorbidity indicators

There are dates requested that are earlier than the case definition in the proposal since wash out periods and |

| | | | case definitions use the existence of pre-existing information.

Mothers birth date is used as the starting point for each individual and will range from 1980-2000. |
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| **MHSAL, Pharmaceutical Database (DPIN)** | 1995/1996 to 2015/2016 | Patient demographics, prescription dates, drug information, dispensation information. | For data on the use of medications by the mother during pregnancy and medications prescribed throughout childhood.
Calculation of comorbidity indicators, follow-up, and persistence of use. |
| **MHSAL, Research Registry** | From: Mother's birth to 2015/2016 | Coverage codes, coverage dates, birth date, sex, Relationship Codes, Location in Province | For determining variables characterizing the population, such as date of birth, sex, place of residence, mother's age at first birth, family structure, residential mobility, family size, relationship with family head. Ability to join social determinant information from other area level measurements. |
| **Manitoba Education, Enrollment, Marks, and Assessments** | 1995/1996 to 2015/2016 | Demographic information, school enrolled, enroll dates, assessment outcomes (grade 3, 7/8, S1-S4), graduation, course completion information. | Used to specify educational achievement and attainment as level of social need, risk. Used as a covariate in analysis. |
| **Manitoba Families, Employment Income Assistance (SAMIN)** | 1995/1996 to 2015/2016 | Client demographic information, receipt of service or program information, service dates. | Receipt of EIA is a marker for poverty and provides a social indicator used in analysis as a covariate.

The only information used in this study is the receipt of services as a binary variable during the period. |
| **Manitoba Families, Child and Family Services Applications and Intake** | 1995/1996 to 2015/2016 | Client demographic information, receipt of service or program information, service dates, case and roll relationships | To be used as covariate in analysis and a measure of social need or risk of the child and family.

The only information used in this study is the receipt of services as a binary variable during the period. |

Manitoba Justice, Prosecution Information (PRISM)	2002/2003 - 2015/2016	Individual demographics, incident information, charge information, date of incident and charge, involvement, place of incident	To determine the level of involvement or interactions in the justice system as an indicator of social need and neighbourhood risk. The only information used in this study is if an individual was accused of a crime as a binary variable during the period.

Statistics Canada (DLI), Census	1996-2016	Area level census data will be used to determine income and social determinant measures attached to each individual at a small area level. Postal code is used to cross walk census data and health/social data.	Publically available census data provides strong and meaningful information about the neighbourhood and social determinants not otherwise available.

General	1995/1996-2015/2016	Database identifiers and scrambled PHIN cross walk fields for each database Sufficient demographic information to determine age, sex/gender, residence location from each database	Linkage between each of the fields. Every database contains demographic information specific to the individual, case, or client this information is required for covariate analysis, standardization, and patient/client characteristics.

Research Survey Data (consented)	1995/1996-2015/2016	This data is derived from consented survey data associated with the project (HREB approval XXXX, HIPC approval in principle XXXX).	Consent has been provided to link the individual survey questionnaire information to the health and social outcomes found at MCHP. This data provides detailed information on the context and individual circumstances for the specific study population. This is a sub-sample of mothers with children that are found in the overall study.

If you have any questions about the level of detail necessary for completing the Required Database Table for your specific project, please contact Charles Burchill at:

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