**MCHP Analysis Plan Template**

## Project Overview

|  |  |
| --- | --- |
|  |  |
| **Project Title:** |  |
| **Principal Investigator (PI):** |  |
| **MCHP Project # and Short Name:** |  |  |
| **Project Goal or Purpose:** |  |
| **Project Objectives:**  |

|  |
| --- |
| *Project Objectives as listed in the proposal:* |
|  |

 |
| **Study Design** |

|  |
| --- |
| *Check all that apply:* |
| [ ]  Case-control study [ ]  Cohort study [ ]  Cross-sectional study[ ]  Matched cohort study [ ]  Mother-Child/Family Relationships[ ]  Other (specify): |

 |
| **Date of creation/revision:** | *This space may be used to track analysis plan modifications:* |
|  |  |
|  |  |

**For each objective**, complete the following tables: **Cohort, Outcomes & Covariates** and **Statistical Analysis**. If information is the same for more than one objective, refer to previous objective.

* For *Corresponding Codes*, appendix tables of codes may be attached, e.g., ICD-9-CM, ICD-10-CA, CCI, ATC, DINs, Physician Tariffs.
* For *Statistical Analysis*, blank tables to be completed may be attached, e.g., baseline characteristics/demographics, standardized differences, rates, relative risks, hazard ratios, odds ratios.

# Objective 1

### Cohort (expand/modify as applicable)

|  |
| --- |
| **Cohort Description:**  |
| **Measurement time frames – Identify the following as applicable:**  |
|  Start/End dates:  |
|  Index event:  |
|  Maximum follow-up date:  |
|  Wash-out (look back) period:  |
|  Other important dates:  |
| **Inclusion/Exclusion Criteria (list all):** | **Corresponding Codes (per each criteria):** |
|  |  |
|  |  |
| **Comparison Group (if applicable):** |
| **Describe Matching Method:**  |
| **Inclusion/Exclusion Criteria (list all):** | **Corresponding Codes (per each criteria):** |
|  |  |
|  |  |

### Outcomes & Covariates (expand/modify as applicable)

|  |
| --- |
| **Outcome Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Exposure Variable Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Covariate Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Demographic Variable Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |

### Statistical Analyses (expand/modify as applicable)

#### Presentation of Results: Please List Tables/Figures (if possible append blank tables)

|  |
| --- |
| **Some examples are presented in greyed boxes:** |
|  *Table 1. Baseline characteristics stratified by cohort, exposure or risk factor* |
|  *Table 2. Crude and Adjusted Rates of Outcomes stratified by cohort, exposure or risk factor* |
|  *Table 3. RRs/HRs/ORs and 95% CIs per outcome* |
| Table 1:  |
| Table 2:  |
| Figure 1: |

#### Statistical Models

|  |  |
| --- | --- |
|  **Type of model:**  |  |
|  **Outcome(s):**  |  |
|  **Exposure Variable(s)/Risk Factor(s):** |  |
|  **Covariates:** |  |
| **Notes:**  |

#### Sensitivity Analyses

|  |  |
| --- | --- |
|  **Type of model:** |  |
|  **Outcome(s):** |  |
|  **Exposure Variable(s)/Risk Factor(s):** |  |
|  **Covariates:** |  |
| **Notes:**  |

# Objective 2

*If information is same as a previous objective, simply refer to previous objective. If information differs, then fill out the relevant information.*

### Cohort (expand/modify as applicable)

|  |
| --- |
| **Cohort Description:**  |
| **Measurement time frames – Identify the following as applicable:**  |
|  Start/End dates:  |
|  Index event:  |
|  Maximum follow-up date:  |
|  Wash-out (look back) period:  |
|  Other important dates:  |
| **Inclusion/Exclusion Criteria (list all):** | **Corresponding Codes (per each criteria):** |
|  |  |
|  |  |
| **Comparison Group (if applicable):** |
| **Describe Matching Method:**  |
| **Inclusion/Exclusion Criteria (list all):** | **Corresponding Codes (per each criteria):** |
|  |  |
|  |  |

### Outcomes & Covariates (expand/modify as applicable)

|  |
| --- |
| **Outcome Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Exposure Variable Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Covariate Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |
|  |
| **Demographic Variable Description:**  |
| **Start/End dates:**  |
| **Variable Definition/Algorithm:** | **Corresponding Codes:** |
|  |  |
|  |  |

### Statistical Analyses (expand/modify as applicable)

#### Presentation of Results: Please List Tables/Figures (if possible append blank tables)

|  |
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| **Some examples are presented in greyed boxes:** |
|  *Table 1. Baseline characteristics stratified by cohort, exposure or risk factor* |
|  *Table 2. Crude and Adjusted Rates of Outcomes stratified by cohort, exposure or risk factor* |
|  *Table 3. RRs/HRs/ORs and 95% CIs per outcome* |
| Table 1:  |
| Table 2:  |
| Figure 1: |

#### Statistical Models

|  |  |
| --- | --- |
|  **Type of model:**  |  |
|  **Outcome(s):**  |  |
|  **Exposure Variable(s)/Risk Factor(s):** |  |
|  **Covariates:** |  |
| **Notes:**  |

#### Sensitivity Analyses

|  |  |
| --- | --- |
|  **Type of model:** |  |
|  **Outcome(s):** |  |
|  **Exposure Variable(s)/Risk Factor(s):** |  |
|  **Covariates:** |  |
| **Notes:**  |