**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)

|  |
| --- |
| **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:** | |