Project Background

Describe research aims and objectives

Describe the target population of interest

Specify study design

Observation Units & Variables

Describe sources of data *(electronic health records, surveys, other data collections)*

Define all variables and their roles: $X_1, X_2, X_3, ...$

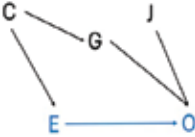Specify eligibility criteria with information available at baseline

Main Data Analysis Plan (MDA)

Analysis method for each research objective
- *Which variables are included and how?*
- *Analysis population and sample size*

Assumptions and diagnostics

Software: analyses, visualizations, data management, data archiving

Initial Data Analysis Plan (IDA)

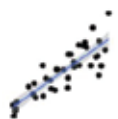Data preparation *(linking datasets, variables related to time, new variables)*

Missing data (n, %)

Univariable distributions

Histogram

Multivariable distributions

Scatter plot

1 2 3 4

Statistical Analysis Plan

STATS DOC

Step 1: Developing a SAPI

RESEARCH AIMS AND OBJECTIVES
Target population

Observation Units/Variables
design, eligibility, dataset(s)

Main Data Analysis Plan (MDA)

Initial Data Analysis Plan (IDA)
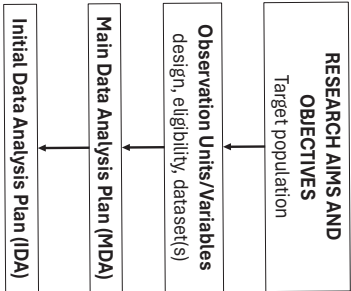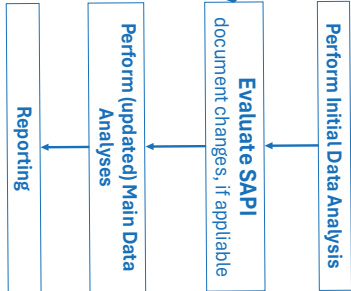
Step 2: Implementing a SAPI

Perform Initial Data Analysis

Evaluate SAPI
document changes, if applicable

Perform (updated) Main Data Analyses

Reporting

Administrative Info

Names and contacts researchers, analysts, oversight committee

Ethical approval

Where are the project documents? Protocol, data management plan, data dictionary

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