

# **Training Specifications**

## Typical/Atypical Antipsychotics and Stroke

### Specifications for Type 2 Request: public\_mpl1r\_wp001

The SOC has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool, version 8.0.2, to estimate users of typical and atypical antipsychotics who experience stroke or intracranial hemorrhage in the Sentinel Distributed Database (SDD). The Propensity Score Analysis tool will be used to estimate the association between typical antipsychotics compared to atypical antipsychotics and risk of ischemic stroke and intracranial hemorrhage.

**Query period:** 1/1/2008 - 12/31/2010  
**Coverage requirement:** Medical and drug  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0  
**Enrollment gap:** 45 days  
**Age groups:** 18-39, 40-54, 55-65 years  
**Stratifications:** Age group, sex, calendar year  
**Censor output categorization:** 0-364, 365-729, 730-1094, 1095+ days  
**Envelope macro:** Reclassify encounters during inpatient stay as inpatient  
**Propensity score analysis:** 1:1 matching  
**Propensity score caliper:** 0.05

### Exposure

Group	Index Exposure	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Treatment episode gap	Exposure episode extension	Minimum exposure episode duration	Minimum days supplied	Maximum exposure episode duration	Censor treatment episode at evidence of:
1 typ_IS	Typical Antipsychotics	First valid exposure episode during query period	183 days	Typical and atypical antipsychotics	30 days	30 days	1	1	None	Death; DP end date; Query end date; Atypical antipsychotics;
2 typ_ICH	Typical Antipsychotics	First valid exposure episode during query period	183 days	Typical and atypical antipsychotics	30 days	30 days	1	1	None	Death; DP end date; Query end date; Atypical antipsychotics;
3 atyp_IS	Atypical Antipsychotics	First valid exposure episode during query period	183 days	Typical and atypical antipsychotics	30 days	30 days	1	1	None	Death; DP end date; Query end date; Typical antipsychotics;
4 atyp_ICH	Atypical Antipsychotics	First valid exposure episode during query period	183 days	Typical and atypical antipsychotics	30 days	30 days	1	1	None	Death; DP end date; Query end date; Typical antipsychotics;

NDC codes are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Inclusion/Exclusion Criteria								Event Outcome							Covariates	
Group	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the criteria should be found in evaluation period	Event	Care setting	Principal diagnosis position	Event washout conditions	Event washout care setting	Event washout period	Blackout period	Covariates	
1 typ_IS	Dementia	Exclude	Any care setting	Any position	-183	0	1	Ischemic stroke	Inpatient hospital stay	Principal	Stroke (ischemic stroke and intracranial hemorrhage)	Any care setting	60	1	See Covariate Tab	
2 typ_ICH	Dementia	Exclude	Any care setting	Any position	-183	0	1	Intracranial hemorrhage	Inpatient hospital stay	Principal	Stroke (ischemic stroke and intracranial hemorrhage)	Any care setting	60	1	See Covariate Tab	
3 atyp_IS	Dementia	Exclude	Any care setting	Any position	-183	0	1	Ischemic stroke	Inpatient hospital stay	Principal	Stroke (ischemic stroke and intracranial hemorrhage)	Any care setting	60	1	See Covariate Tab	
4 atyp_ICH	Dementia	Exclude	Any care setting	Any position	-183	0	1	Intracranial hemorrhage	Inpatient hospital stay	Principal	Stroke (ischemic stroke and intracranial hemorrhage)	Any care setting	60	1	See Covariate Tab	

## Covariates

Covariate	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Number of instances the covariate should be found in evaluation period
Acute myocardial infarction	Any	Any	-183	-1	1
Diabetes	Any	Any	-183	-1	1
Heart failure	Any	Any	-183	-1	1
Hypercholesterolemia	Any	Any	-183	-1	1
Hypertension	Any	Any	-183	-1	1
Kidney failure	Any	Any	-183	-1	1
Transient ischemic attack	Any	Any	-183	-1	1
Depression	Any	Any	-183	-1	1
Anxiety	Any	Any	-183	-1	1
Bipolar	Any	Any	-183	-1	1
Schizophrenia/psychotic disorder	Any	Any	-183	-1	1
Substance abuse	Any	Any	-183	-1	1