Cohort Identification

Cohort Identification Workflow

Initial Population
N = 100,000

Inclusion Criteria
ICD-10: E11.x
-75,000

Exclusion Criteria
Age < 18
-15,000

Temporal Constraints
Index: 2020-2023
-4,568

Final Cohort
N = 5,432

SQL Query Optimization
Indexed columns, efficient joins, proper date filtering
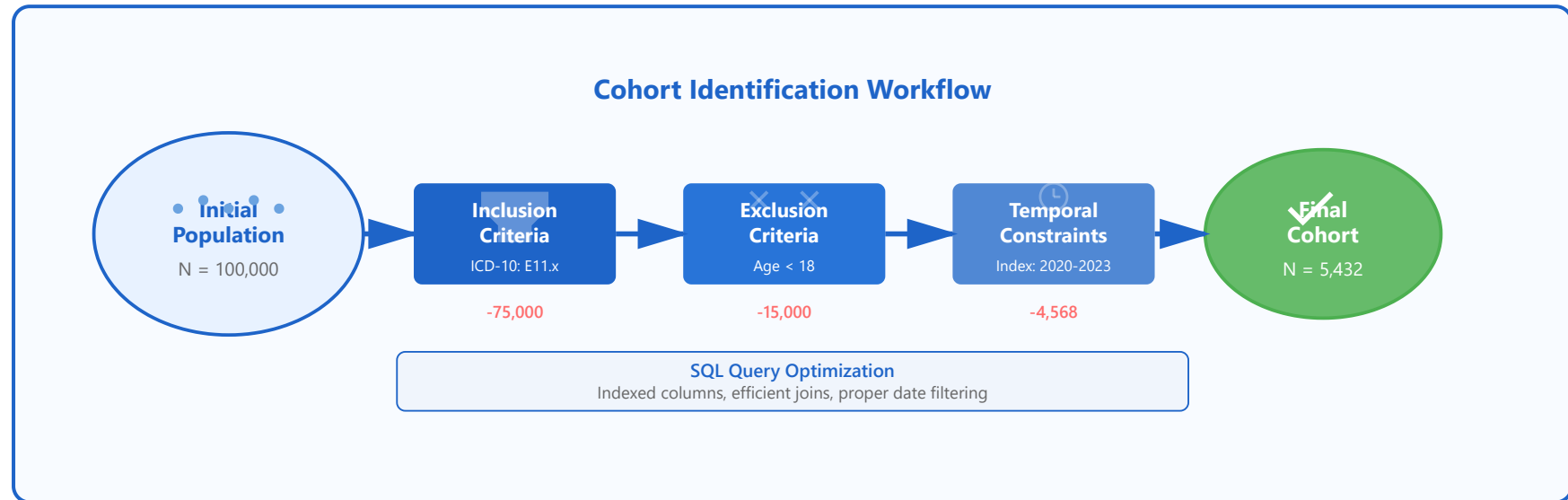
✅ Inclusion Criteria

- Age range (18-65 years)
- Primary diagnosis codes
- Minimum encounter count
- Medication exposures
- Lab value thresholds

❌ Exclusion Criteria

- Competing diagnoses
- Prior treatments
- Missing key data
- Insufficient follow-up
- Pregnancy or nursing

⏰ Temporal Logic

🔧 Implementation Tools

- Index date definition
- Washout periods (180 days)
- Follow-up windows
- Event sequence ordering
- Censoring rules

- OHDSI ATLAS interface
- SQL query builders
- Cohort validation metrics
- Attrition diagrams
- Sample size calculations