

Activity VI – Data Collection Plan

Data Extraction and Preparation:

- BHI compiled a list of approved psychotropic and analgesic medication (Medicaid NDC codes and descriptions) to include in this study¹ from the Medicaid NDC Code list provided by HCPF.
- BHI will use Calendar Year 2010 Pharmacy Claims provided by HCPF (with a 3 month run out) and isolate the members prescribed a psychotropic between January 1, 2010 and December 31, 2010 by matching prescriptions in the claims to the approved psychotropic Medicaid NDC Codes and Descriptions.
- This procedure is done through MS Access, by linking tables on identical fields (NDC Codes and Descriptions) and running a query.
- The list of members on a psychotropic are then compared to Calendar Year 2010 mental health Encounter files (with a 3 month run out) and those with mental health encounters are then identified.
- Query in MS Access to compare that list to HCPF's eligibility file and filter out all IDs that were eligible less the 10 months, were not eligible at the start of the study period (as of January 1, 2010), and not currently eligible (as of December 31, 2010).
- Another query will be run in MS Access on the identified list of members on a psychotropic medication with a physical health encounter, linking to the Calendar Year 2010 pharmacy claims to identify all pharmacy claims for these individuals.
- Finally, BHI will query those individuals with and without prescriptions with the approved list of analgesic medications in Calendar Year 2010 to identify our final study population (Analgesic Group) and comparison group (Non-analgesic Group).

Qualified staff:

Data extraction will be performed by Jerome Stiller, BHI's Data Analyst (experienced in project development, data management, extraction, validation, and analysis, Masters degree in Psychology), and Joe Phillips, BHI's contracted Data Analyst (experienced in data management, validation, and extraction). Data preparation and analysis will be conducted by Melissa Kulasekere, the BHI Program Evaluator and Disease Management Specialist (lead on several performance improvement projects and one Focus Study prior, experienced in project development, data collection, management, and analysis, Masters degree in Psychology) and Jerome Stiller.

Indicator Calculation:

On the next page is a flowchart visually showing the data extraction, preparation, and analysis process.

¹ List of psychotropic and analgesic medication to be included in this study was determined and approved by a number of sources: BHI's Program Evaluation and Outcomes committee (psychiatrists, mental health center medical directors, clinicians, administrators, and BHI Wellness Coordinator – RN), Arapahoe/Douglas Mental Health Network Pharmacist – Pharm.D., National Institutes of Mental Health online – Mental Health Medication, Rx List – Online Drug Index at www.rxlist.com, and Wikipedia (search terms “psychotropic medication,” “mental health medication,” “analgesic medication,” “pain medication”).

Flow Chart #1. Data Extraction, Preparation, and Analysis Process

