

Supplementary document: Research Methodology Summary
Applicant: Harvard Pilgrim Health Care
Date: Wednesday, May 7, 2014

Proposed studies:

- Cost and utilization benchmarking by service, diagnosis, specialist, geography
- Payment/reimbursement model benchmarking
- Service and referral patterns analysis to influence network product design

We will determine the relevant follow up studies based on initial findings and assessment of the data. No studies will use any member personal health information.

Research Methodology:

Our Health Service department and subject matter experts across Informatics, Actuarial and Finance, Massachusetts Market Lead and Strategists, and Enterprise Data Warehouse will be involved on a routine basis in shaping and driving the analyses in collaboration with our consulting firm, The Boston Consulting Group.

- Comparative and trend analyses will be conducted for the proposed studies detailed above, utilizing internal informatics toolsets and extracts from HPHC's enterprise data warehouse
- Statistical methods including regression modeling, analyses of variance will be applied where appropriate
- Tools to be used across analyses: Excel, Access, SQL/SAS coding, if applicable
- Trend and comparative analyses will be reviewed and vetted with relevant stakeholders to ensure appropriate comparison and interpretation of results

No portion of this research will be looking at personal health information or other individual identifying information.