

POSTER ABSTRACTS

15th Annual HMO Research Network Conference
April 26-29, 2009 – Danville, PA

11:30 am–Noon & 1:30–2:00 pm
Monday, April 27th • Lobby

PS1 – 23

Systems of Care in an Integrated Delivery System Improve HEDIS Measures Compared to Community Providers

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Geisinger Health System is an integrated delivery system including Geisinger Health Plan and Geisinger Clinic, an Electronic Health Record enabled multispecialty physician group practice. The Geisinger Clinic has developed systems of care to improve the reliability of patient care as measured by HEDIS criteria. The HEDIS results of patients who have Geisinger primary care physicians can be compared to patients who have non-Geisinger primary care physicians to assess the impact of an integrated delivery system with structured systems of care on these measures. Geisinger Health Plan (GHP) contracts with the Geisinger Clinic and non-Geisinger physicians as primary care providers. Approximately 50% of GHP patients choose a Geisinger physician. National Committee for Quality Assurance (NCQA) Quality Compass 2008 results for the Geisinger commercial health plans and Medicare advantage plans were evaluated by primary care provider, comparing the overall results of Geisinger physicians with non-Geisinger physicians. Results were evaluated for statistical significance using the test of means or population inferences ($\alpha=0.10$, two tail ($z=1.645$)). Statistical testing was altered to match NCQA standards. Geisinger clinic physicians had statistically significant better results compared to non-Geisinger physicians for the commercial population on most measures including childhood immunization combined rate #3 (94.6% to 79.2%, $p=0.002$), breast cancer screening (82.9% to 72.8%, $p<0.0001$), cervical cancer screening (90.5% to 72.8%, $p=0.0164$), colorectal cancer screening (69.7% to 57.5%, $p=0.0114$), Chlamydia screening (43.9% to 26.1%, $p<0.001$), cholesterol management LDL<100 (68.0% to 55.6%, $p=0.0102$) and comprehensive diabetes care process measures. The results for the Medicare advantage population was also better for almost all measures including breast cancer screening (88.6% to 77.6%, $p<0.0001$), colorectal cancer screening (70.8% to 60.5%, $p=0.0324$), cholesterol management LDL<100 (73.9% to 60.1%, $p=0.0051$) and all measures of comprehensive diabetes care. Primary care physicians practicing in the Geisinger Clinic had statistically better results on most HEDIS measures compared to patients assigned to non-Geisinger primary care physicians. The difference was especially apparent in the Geisinger Medicare advantage population.