Reviewer’s report

Title: Patient Complexity in Quality Comparisons for Glycemic Control: an Observational Study

Version: 2 Date: 29 April 2008

Reviewer: Hassan Soubhi

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Minor Essential Revisions:

This an original work well conceived and well written. My only concern would be with the assumption of linearity in the model that was used to develop complexity-adjusted A1c. Adding interaction terms may not be enough to capture the non-linear relationships among the vectors of complexity. At this point of the development of the vector model of complexity, the nature of the mathematical relationships among the vectors of complexity is not known and assuming a linear relationship is, I agree, simplest. A few words on this aspect of the modeling seem to me in order.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.