

Fig. E-1A

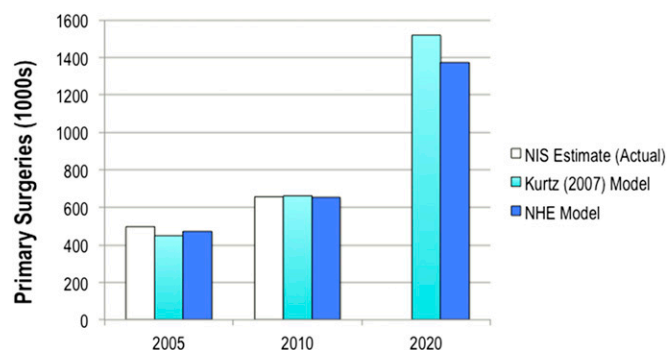


Fig. E-1B

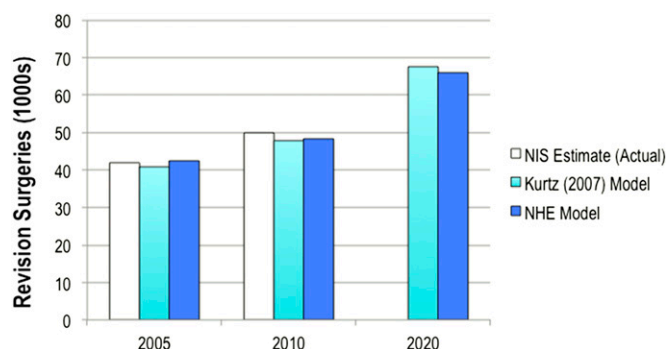


Fig. E-1C

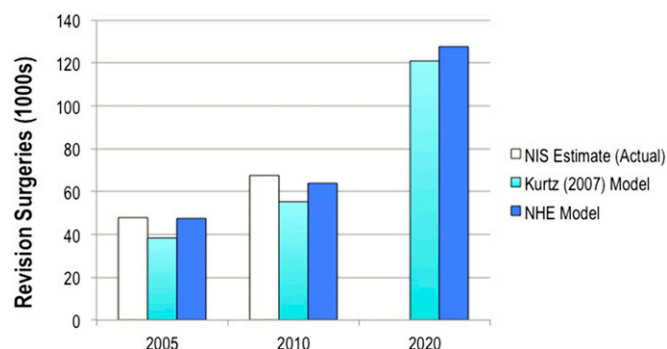


Fig. E-1D

Bar graphs showing the model based on the National Health Expenditure (NHE) and providing a closer estimate for the observed utilization in 2005, 2010, and 2020 for primary total hip arthroplasty (**Fig. E-1A**), primary total knee arthroplasty (**Fig. E-1B**), revision total hip arthroplasty (**Fig. E-1C**), and revision total knee arthroplasty (**Fig. E-1D**) compared with the Nationwide Inpatient Sample (NIS) and the model by Kurtz et al.¹² published in 2007.