**Appendix 4
Sensitivity Analysis of Survey Results**

This appendix presents sensitivity analyses for variation in age, sex, race/ethnicity, household income, marital status, geography, preference for quality vs. length of life as a unit of analysis and receipt of a health maintenance exam in most years (when preventive care may be more likely to be discussed). To compute adjusted proportions, we utilized the same logistic regressions from the main analysis and estimated predictive margins at the sensitivity value of interest (e.g., age group 45-49 y) and at the means of all other covariates.

\* Text in curly braces was based on the randomized graph received by a survey respondent.

† Omitted because of <50 observations (see Table 2).

‡ Response to the survey question, “[W]hich type of chart would be more trustworthy, a chart that compares preventive care services based on their ability to help you live longer or based on their ability to improve your quality of life?” was ≥6/7 for quality of life (selected by 36.3% of participants) and ≤2/7 for length of life (selected by 21.9% of participants).

¶ Response to the survey question, “In most years, do you visit your doctor for a check-up, sometimes called a physical or health maintenance exam? These are visits when you are feeling well, but still want to discuss your overall health.” 79.9% of participants responded Yes, 18.3% No and 1.8% Don’t Know.

|  | **In your opinion, do you think it is *useful* to compare preventive care services based on their ability to {improve your health} / {help you live longer}?\*** | **Would you be interested in talking about this information with your doctor, based on your own health care needs?** | **How helpful do you think talking about this information with your doctor would be in motivating you to improve your health?** |
| --- | --- | --- | --- |
|  | **Adjusted Proportion of ParticipantsChoosing ≥6 on a 7-point Likert scale****(95% CI)**  |
| Overall | 77.2%(75.3%-79.1%) | 77.5%(75.6%-79.4%) | 75.5%(73.6%-77.4%) |
| Age group\* 45-49 50-54 55-59 60-64 65-70 | 73.4%(69.1%-77.7%)73.6%(69.5%-77.8%)75.8%(71.6%-79.9%)80.6%(76.7%-84.5%)82.7%(78.9%-86.5%) |  75.8%(71.6%-80.0%)76.4%(72.4%-80.5%)78.1%(74.1%-82.1%)80.1%(76.2%-84.1%)76.9%(72.5%-81.3%) | 72.0%(67.6%-76.4%)75.2%(71.1%-79.3%)76.7%(72.6%-80.8%)78.6%(74.6%-82.7%)74.8%(70.3%-79.2%) |
| Sex Female Male | 78.8%(76.3%-81.3%)75.3%(72.5%-78.1%) | 80.2%(77.7%-82.7%)74.1%(81.2%-77.1%) | 78.3%(75.8%-80.9%)72.1%(69.1%-75.0%) |
| Race/Ethnicity Non-Hispanic White Non-Hispanic Black Hispanic White Hispanic Black Asian Other | 73.4%(70.5%-76.2%)79.9%(76.0%-83.8%)84.3%(80.7%-87.9%)†72.1%(65.1%-79.1%)† | 73.5%(71.7%-77.4%)86.6%(83.5%-89.8%)78.0%(73.6%-82.3%)†59.4%(51.5%-67.4%)† | 70.0%(67.1%-73.0%)84.0%(80.5%-87.5%)79.3%(75.2%-83.5%)†66.0%(58.6%-73.4%)† |
| Annual Household Income Less than $20,000 $20,000-$34,999 $35,000-$49,999 $50,000-$74,999 $75,000-$99,999 $100,000-$149,999 $150,000 or more Prefer not to answer | 75.7%(70.7%-80.7%)78.9%(74.5%-83.1%)78.2%(73.6%-82.7%)79.7%(75.5%-83.9%)77.3%(72.0%-82.5%)75.3%(69.3%-81.3%)74.3%(66.3%-82.4%)68.4%(58.0%-78.8%) | 68.4%(62.7%-74.1%)75.7%(71.1%-80.3%)75.8%(71.1%-80.6%)81.6%(77.6%-85.6%)76.5%(71.2%-81.8%)84.7%(79.9%-89.6%)81.8%(74.8%-88.7%)76.0%(66.8%-85.3%) | 66.4%(60.6%-72.2%)77.9%(73.4%-82.3%)75.0%(70.2%-79.8%)80.8%(76.8%-84.9%)77.1%(71.9%-82.3%)75.4%(69.5%-81.2%)74.7%(66.9%-82.5%)69.2%(59.0%-79.4%) |
| Marital status Married or Living With a Civil/Domestic Partner Widowed Divorced Separated Never Married or Never in a Civil/Domestic Partnership | 77.8%(75.3%-80.4%)72.5%(64.2%-80.8%)78.5%(74.0%-83.0%)74.3%(62.5%-86.1%)75.7%(71.0%-80.3%) | 78.2%(75.7%-80.8%)71.8%(63.3%-80.3%)76.5%(71.8%-81.3%)90.2%(82.9%-97.5%)75.0%(70.3%-79.7%) | 75.9%(73.2%-78.5%)67.9%(59.1%-76.6%)76.4%(71.7%-81.1%)81.9%(71.8%-92.1%)74.6%(69.9%-79.3%) |
| Geographic Division\* New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific  | 68.0%(58.3%-77.6%)75.8%(71.0%-80.6%)76.5%(71.7%-81.3%)81.0%(73.8%-88.1%)77.7%(73.9%-81.5%)78.6%(70.4%-86.8%)75.7%(69.7%-81.7%)77.5%(70.3%-84.7%)79.6%(75.1%-84.1%) | 75.4%(66.3%-84.4%)75.2%(70.2%-80.2%)75.1%(70.0%-80.2%)75.2%(67.3%-83.1%)77.2%(73.3%-81.1%)77.4%(68.8%-86.0%)84.0%(79.0%-89.0%)73.9%(66.3%-81.6%)79.9%(75.4%-84.4%) | 73.8%(64.9%-82.8%)74.0%(69.0%-79.0%)72.1%(66.9%-77.3%)77.7%(70.3%-85.2%)76.3%(72.4%-80.3%)72.9%(63.7%-82.1%)77.3%(71.4%-83.2%)76.8%(69.7%-84.0%)77.2%(72.5%-81.9%) |
| Output preference‡ Strongly prefer quality of life Strongly prefer length of life | 85.1%(81.1%-89.0%)84.2%(79.7%-88.7%) | 84.2%(80.8%-87.5%)84.1%(80.0%-88.2%) | 82.2%(78.5%-86.0%)79.2%(74.1%-84.3%) |
| Survey participant obtains a health maintenance exam in most years¶ Yes No or Don’t Know | 79.6%(77.6%-81.6%)65.6%(61.4%-69.7%) | 83.0%(81.1%-85.0%)51.9%(47.5%-56.3%) | 79.6%(77.5%-81.6%)55.6%(51.6%-60.3%) |