APPENDIX

Exhibit A – Odds of reporting no usual source of care in the past year among Medicare Beneficiaries by functional hearing difficulty[a,b]

Variable	Odds Ratio	95% Confidence Interval		Standard Error	P-Value
		Lower	Upper		
Functional Hearing Difficulty					
No Trouble			REF		
A Little Trouble	1.038	0.814 - 1.322		0.127	0.762
A Lot of Trouble	1.489	1.034 - 2.143		0.273	0.033
Age (years)					
65-69			REF		
70-74	0.771	0.567 - 1.049		0.120	0.096
75-79	0.950	0.702 - 1.285		0.145	0.735
80-84	0.674	0.468 - 0.971		0.124	0.034
85-89	0.710	0.484 - 1.043		0.138	0.081
90+	0.609	0.385 - 0.961		0.140	0.033
Female	0.760	0.599 - 0.964		0.091	0.024
Race/Ethnicity					
Non-Hispanic White			REF		
Non-Hispanic Black	1.187	0.772 - 1.825		0.257	0.431
Hispanic	1.418	0.816 - 2.463		0.395	0.212
Other	1.178	0.663 - 2.094		0.341	0.573
Educational attainment					
Less than high school			REF		
High school graduate	0.863	0.609 - 1.223		0.152	0.405
Vocational, some college, associates	0.918	0.648 - 1.300		0.161	0.627
Bachelors or higher degree	0.615	0.405 - 0.932		0.129	0.023
Income to Poverty Ratio					
Less than 100%			REF		
101-200%	0.858	0.593 - 1.243		0.160	0.416
Greater than 200%	0.603	0.417 - 0.873		0.112	0.008
Currently Married = Yes	0.558	0.431 - 0.723		0.073	<0.001
Medicare Advantage = Yes	0.651	0.497 - 0.853		0.089	0.002
General health					
Excellent			REF		
Very good	1.119	0.825 - 1.518		0.171	0.465
Good	1.072	0.756 - 1.518		0.188	0.695
Fair	1.450	0.922 - 2.280		0.331	0.107
Poor	1.060	0.561 - 2.003		0.340	0.855
Functional Limitations[c]					
No functional limitations			REF		
1	1.297	0.879 - 1.913		0.254	0.188
≥2 ADLs	0.928	0.662 - 1.301		0.158	0.662
Chronic Comorbidities Count[d]					
0			REF		
1-2	0.268	0.194 - 0.370		0.044	<0.001
3-5	0.106	0.074 - 0.153		0.020	<0.001
≥6	0.174	0.101 - 0.300		0.048	<0.001

[a] Data derived from the 2016 Medicare Current Beneficiary Survey cost and use file (n=10,422)

[b] Survey weights applied according to Medicare Current Beneficiary Survey (weighted n = 44,433,937)

[c] Activities of Daily Living (ADLs) include bathing or showering, dressing, getting in and out of bed or a chair, walking, using the toilet, and eating

[d] Chronic comorbidities count includes cancer, chronic obstructive pulmonary disease/asthma, chronic heart disease, serious mental illness, acute myocardial infarction, hypertension, diabetes, stroke, depression, arthritis, dementia or Alzheimer disease

Exhibit B – Odds of reporting not obtaining needed medical care and not filling a prescription in the past year among Medicare Beneficiaries by functional hearing difficulty[a,b]

| | \multicolumn{5}{c}{Not Obtaining Medical Care} | | \multicolumn{5}{c}{Not Filling Prescription} |
| | Odds Ratio | 95% Confidence Interval | | Standard Error | P-Value | Odds Ratio | 95% Confidence Interval | | Standard Error | P-Value |
		Lower	Upper				Lower	Upper		
Functional Hearing Difficulty										
No Trouble			REF					REF		
A Little Trouble	1.595	1.322 -	1.924	0.151	<0.001	1.440	1.102 -	1.882	0.194	0.008
A Lot of Trouble	1.854	1.446 -	2.376	0.232	<0.001	1.556	1.044 -	2.318	0.313	0.030
Age (years)										
65-69			REF					REF		
70-74	0.735	0.565 -	0.955	0.097	0.022	0.865	0.628 -	1.190	0.139	0.368
75-79	0.749	0.595 -	0.942	0.087	0.014	0.713	0.499 -	1.018	0.128	0.063
80-84	0.534	0.418 -	0.682	0.066	<0.001	0.413	0.285 -	0.597	0.077	<0.001
85-89	0.457	0.336 -	0.620	0.071	<0.001	0.299	0.189 -	0.471	0.069	<0.001
90+	0.360	0.262 -	0.496	0.058	<0.001	0.135	0.063 -	0.289	0.052	<0.001
Female	1.330	1.093 -	1.619	0.132	0.005	1.530	1.192 -	1.964	0.192	0.001
Race/Ethnicity										
Non-Hispanic White			REF					REF		
Non-Hispanic Black	0.909	0.652 -	1.265	0.152	0.567	1.271	0.871 -	1.857	0.243	0.211
Hispanic	1.010	0.773 -	1.318	0.136	0.944	1.298	0.871 -	1.933	0.260	0.197
Other	1.067	0.680 -	1.676	0.243	0.775	0.385	0.190 -	0.782	0.137	0.009
Educational attainment										
Less than high school			REF					REF		
High school graduate	1.061	0.819 -	1.375	0.138	0.651	1.101	0.833 -	1.456	0.155	0.496
Vocational, some college, assoc	1.044	0.769 -	1.416	0.161	0.782	1.386	1.021 -	1.882	0.214	0.037
Bachelors or higher degree	1.188	0.841 -	1.678	0.207	0.324	1.580	1.077 -	2.320	0.306	0.020
Income to Poverty Ratio										
Less than 100%			REF					REF		
101-200%	0.777	0.588 -	1.027	0.109	0.076	1.167	0.755 -	1.806	0.257	0.483
Greater than 200%	0.688	0.523 -	0.905	0.095	0.008	1.011	0.638 -	1.602	0.235	0.962
Currently Married	0.884	0.724 -	1.081	0.089	0.227	0.853	0.674 -	1.081	0.102	0.186
Medicare Advantage	1.065	0.914 -	1.242	0.082	0.414	0.755	0.620 -	0.919	0.075	0.005
General health										
Excellent			REF					REF		
Very good	1.812	1.340 -	2.450	0.276	<0.001	0.846	0.583 -	1.228	0.159	0.375
Good	1.995	1.468 -	2.710	0.308	<0.001	1.201	0.831 -	1.736	0.223	0.326
Fair	3.452	2.361 -	5.046	0.660	<0.001	1.401	0.919 -	2.136	0.298	0.116
Poor	3.341	2.255 -	4.951	0.662	<0.001	1.567	0.887 -	2.766	0.449	0.120
Functional Limitations[c]										
No functional limitations			REF					REF		
1 ADL	1.464	1.127 -	1.902	0.193	0.005	1.065	0.765 -	1.482	0.178	0.708
≥2 ADLs	1.889	1.455 -	2.452	0.248	<0.001	1.427	1.058 -	1.925	0.215	0.020

Chronic Comorbidities Count[d]

0				REF						REF	
1-2	1.130	0.763	-	1.673	0.223	0.538	2.166	1.145	-	4.095	0.695	0.018
3-5	1.196	0.815	-	1.755	0.231	0.356	2.900	1.563	-	5.383	0.904	0.001
≥6	1.383	0.904	-	2.114	0.296	0.133	3.059	1.462	-	6.404	1.139	0.003

[a] Data derived from the 2016 Medicare Current Beneficiary Survey cost and use file (n=10,422)

[b] Survey weights applied according to Medicare Current Beneficiary Survey (weighted n = 44,433,937)

[c] Activities of Daily Living (ADLs) include bathing or showering, dressing, getting in and out of bed or a chair, walking, using the toilet, and eating

[d] Chronic comorbidities count includes cancer, chronic obstructive pulmonary disease/asthma, chronic heart disease, serious mental illness, acute myocardial infarction, hypertension, diabetes, stroke, depression, arthritis, dementia or Alzheimer disease