Multimedia Appendix 4: Log-Linear model of primary care office visits (without telephone visits) based on demographic variables and baseline utilization phenotype

Model predictors	Adjusted R ²	AIC ^a
Age-sex ^b	.135	49,638
Payer ^c	.112	49,989
Naïve phenotypes (NP) ^d	.241	46,261
Utilization phenotype (UP) ^e	.296	44,344
Age-sex and payer	.173	48,505
Age-sex, payer, and NP	.306	44,147
Age-sex, payer, and UP	.344	42,695

^aAkaike Information Criterion

^bAge-sex bins are categorical variables of the combination of male or female with the following age groups: 18-34, 35-49, 50-64, 65-69, 70-84,85-115.

^cPayer were defined as commercial, Medicare/Medical, or Other

^dThe naïve phenotype is a categorical variable that was obtained by summing to the total number of healthcare encounters in the baseline year. These values were rank ordered and divided into seven percentiles

^eThe utilization phenotype is a categorical variable encoding one of the seven phenotypes clusters created by our algorithm.