

**Multimedia Appendix 1:** Average marginal effects of patient attitudes and demographic variables that are associated with withholding behavior, at 2011 and 2014, based on a fully interacted model with a pooled cross-section (n=4,393).<sup>a</sup>

Variable	2011 OR (95% CI)	2014 OR (95% CI)
<b>Electronic Info Safe</b>		
Not at All	Ref.	Ref.
At least Somewhat Concerned	4.21%	5.60%
<b>Faxed Info Safe</b>		
Not at All	Ref.	Ref.
At least Somewhat Concerned	12.62%***	10.03%***
<b>Confident Info Safe</b>		
Not at All Confident	Ref.	Ref.
At least Somewhat Confident	-3.04%	4.05%
<b>Control Info</b>		
Not at All Confident	Ref.	Ref.
At least Somewhat Confident	4.60%	0.98%
<b>Quality of Care</b>	-3.00%**	-5.07%***
<b>Important that Providers Share EMR Data</b>		
Not at all	Ref.	Ref.
Somewhat	-2.81%	-6.21%
Very	-5.56%	-3.77%
<b>Important that you Have Access to PHR</b>		
Not at All	Ref.	Ref.
Somewhat	-12.39%	2.21%
Very	-8.71%	5.39%
<b>Provider has an EMR</b>	3.28%	-3.85%
<b>Sex</b>		
Female	Ref.	Ref.
Male	-1.58%	0.95%
<b>Race</b>		
White	Ref.	Ref.
Black	4.84%	-0.19%
Latino	1.73%	3.34%
Other	8.98%	7.84%
<b>Education</b>		
Less than High school	Ref.	Ref.
High School	-4.76%	1.52%
Some College	1.35%	-0.99%

College	-2.03%	-1.45%
Graduate	1.69%	3.99%
<b>Age</b>		
18-35	Ref.	Ref.
35-49	4.64%	0.39%
50-64	0.91%	-4.65%
65-74	-1.16%	-5.16%
75+	-3.06%	-10.51%*
<b>Employed</b>	5.20%*	4.19%
<b>Income</b>		
<\$20,000	Ref.	Ref.
\$20,000 – 34,999	-2.88%	-0.31%
\$35,000 – 49,999	-5.50%	-0.06%
\$50,000 – 74,999	-2.77%	-1.83%
>\$75,000	-5.82%	-3.82%
<b>Married</b>	-2.23%	-3.34%
<b>Rural</b>	0.02%	1.68%
<b>US Immigrant</b>	0.13%	-3.03%
<b>Homeowner</b>	1.79%	-3.58%
<b>Health Insurance</b>	2.59%	-0.56%
<b>General Health</b>		
Poor	Ref.	Ref.
Fair	1.67%	-11.80%
Good	3.05%	-15.42%
Very Good	6.38%	-11.70%
Excellent	6.55%	-9.83%
<b>Depression</b>		
None	Ref.	Ref.
Mild	1.24%	-1.38%
Moderate	11.50%*	7.21%
Severe	1.07%	1.25%
<b>Non-Emergency Room Visits in Past Year</b>		
1	Ref.	Ref.
2-4	-0.88%	0.56%
5-9	0.75%	0.19%
≥10	0.95%	5.58%
<b>Have a Regular Provider</b>	-0.20%	5.32%
<b>Mean Self Care Efficacy</b>	-0.24%	-0.36%

**Notes:** \*\*\* $P < .001$ ; \*\*  $P < .01$ ; \*  $P < .05$ ; OR = Odds Ratio; CI = Confidence Interval.<sup>a</sup>Model adjusted for survey weights.