

Tiered Physician Network

■ eAppendix A. Logistic Regression Results Used to Confirm the Descriptive Results (Cross-Tabulations) Presented in the Exhibits in the Article^a

Dependent variable	Were you aware of the tiered physician networks before doing this survey? (1 = yes; 0 = no)	Have you ever talked about the tiers with any of your doctors? (1 = yes; 0 = no)	How important was the information about your doctor's tier to your decision to use him/her? (1 = very/moderately important; 0 = not important)	Do you know which tier any of your doctors is in? (1 = yes; 0 = no)
Independent variables				
Seen specialist in last year	0.31 ^b (0.15)	0.88 ^c (0.53)	-0.03 (0.35)	0.29 (0.23)
Used Internet for health information in last year	0.47 ^d (0.15)	0.36 (0.41)	0.06 (0.34)	0.19 (0.21)
Use plan as source of information on specialists	0.41 ^b (0.16)			0.20 (0.22)
White	0.43 ^b (0.20)	0.00 (0.58)	-0.09 (0.48)	-0.12 (0.32)
Female	0.05 (0.14)	0.19 (0.41)	-0.08 (0.31)	-0.07 (0.20)
Age 45-54 y	-0.41 ^b (0.17)	0.49 (0.54)	0.24 (0.36)	0.03 (0.25)
Age 55+ y	-0.04 (0.18)	-0.80 (0.58)	0.22 (0.40)	0.27 (0.26)
Household income \$50K-\$100K	0.08 (0.20)	0.41 (0.58)	-0.11 (0.40)	0.07 (0.28)
Household income \$100K+	0.04 (0.23)	-0.06 (0.61)	-0.65 (0.47)	-0.22 (0.34)
Some college education	0.11 (0.22)	0.93 (0.64)	-0.37 (0.50)	0.21 (0.33)
College degree or more	-0.07 (0.21)	0.85 (0.69)	-0.45 (0.49)	0.21 (0.31)
Family coverage	-0.15 (0.15)	0.26 (0.50)	0.64 ^b (0.32)	0.47 ^b (0.22)
Self-reported health: good	0.19 (0.16)	0.38 (0.47)	-0.40 (0.32)	-0.07 (0.24)
Self-reported health: fair or poor	0.30 (0.30)	0.48 (0.75)	0.12 (0.62)	0.25 (0.42)
HMO 1	-0.47 ^b (0.20)	-0.98 (0.62)	0.31 (0.49)	-0.48 (0.30)
PPO type 2	0.17 (0.18)	-1.21 ^b (0.58)	0.24 (0.40)	0.32 (0.26)
HMO 2	0.29 (0.19)	-0.46 (0.51)	0.49 (0.42)	-0.03 (0.27)
PPO type 1	-0.07 (0.19)	-1.61 ^d (0.57)	-0.06 (0.46)	-0.93 ^d (0.28)
HMO 3	-0.05 (0.22)	-1.11 (0.73)	1.00 ^c (0.55)	-0.41 (0.33)
Learned about own doctor's tier ranking at/after first appointment with him/her			-0.68 ^b (0.29)	
Constant	-0.85 ^d (0.33)	-4.45 ^d (1.18)	0.44 (0.82)	-0.98 ^c (0.52)
F statistic	3.39	2.63	1.11	2.00
Number	1699	814	326	813
HMO indicates health maintenance organization; PPO, preferred provider organization.				
^a Standard errors are shown in parentheses next to the model coefficients.				
^b Significant at .05.				
^c Significant at .10.				
^d Significant at .01.				

■ **eAppendix B.** Multinomial Logit Regression Results Used to Confirm the Descriptive Results (Cross-Tabulations) Presented in the Exhibits in the Article^a

Dependent variable	How do you think your health plan decides whether a doctor is in tier 1 or tier 2?		
	Based on costs and quality		
Omitted response choice	Costs alone	Quality alone	I don't know
Response choice	Costs alone	Quality alone	I don't know
Independent variables			
Seen specialist in last year	0.48 (0.33)	0.64 (0.50)	0.56 (0.35)
Used Internet for health information in last year	-0.05 (0.30)	0.48 (0.45)	-0.47 (0.35)
Use plan as source of information on specialists	-0.41 (0.32)	-0.29 (0.50)	-0.28 (0.33)
White	0.21 (0.55)	-1.14 ^b (0.54)	-0.65 (0.45)
Female	-0.49 ^e (0.29)	0.12 (0.42)	0.12 (0.31)
Age 45-54 y	-0.41 (0.37)	1.28 ^b (0.61)	-0.11 (0.39)
Age 55+ y	-0.24 (0.40)	1.58 ^b (0.65)	0.81 ^b (0.41)
Household income \$50K-\$100K	0.41 (0.47)	0.22 (0.63)	-0.10 (0.42)
Household income \$100K+	0.31 (0.55)	-0.64 (0.85)	-0.11 (0.52)
Some college education	-0.10 (0.52)	0.79 (0.57)	1.04 ^b (0.48)
College degree or more	0.54 (0.47)	-0.27 (0.63)	0.21 (0.50)
Family coverage	-0.36 (0.33)	-0.05 (0.56)	-0.32 (0.34)
Self-reported health: good	-0.07 (0.33)	0.64 (0.46)	0.51 (0.36)
Self-reported health: fair or poor	-0.44 (0.59)	0.45 (0.82)	0.24 (0.60)
HMO 1	-0.37 (0.43)	1.49 (1.27)	-0.35 (0.49)
PPO type 2	-0.58 (0.38)	2.26 ^b (1.09)	-0.99 ^b (0.45)
HMO 2	-0.60 (0.43)	2.44 ^b (1.11)	0.02 (0.40)
PPO type 1	-0.69 ^c (0.41)	1.58 (1.14)	-0.32 (0.41)
HMO 3	-1.16 ^b (0.53)	2.00 ^c (1.20)	-0.02 (0.49)
Constant	-1.03 (0.86)	-5.36 ^d (1.65)	-1.01 (0.74)
F statistic	1.77		
Number	618		

(Continued)

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■ eAppendix B. Multinomial Logit Regression Results Used to Confirm the Descriptive Results (Cross-Tabulations) Presented in the Exhibits in the Article^a (Continued)

Dependent variable	Do you trust the tiers created by your health plan to tell you which doctors are better than others?		When did you learn about your doctor's tier?	
	Yes		Before first visit	
Omitted response choice			At first visit	After first visit
Response choice	I don't know	No	At first visit	After first visit
Independent variables				
Seen specialist in last year	0.11 (0.27)	0.15 (0.25)	0.52 (0.64)	0.43 (0.36)
Used Internet for health information in last year	-0.21 (0.26)	0.05 (0.25)	0.15 (0.52)	-0.43 (0.37)
Use plan as source of information on specialists	-0.83 ^d (0.29)	-0.46 ^c (0.25)		
White	-0.40 (0.35)	0.46 (0.39)	0.37 (0.81)	0.12 (0.51)
Female	0.33 (0.25)	-0.07 (0.23)	0.14 (0.49)	-0.38 (0.33)
Age 45-54 y	0.08 (0.31)	-0.30 (0.28)	-0.17 (0.57)	-0.12 (0.41)
Age 55+ y	0.29 (0.32)	-0.23 (0.28)	0.25 (0.56)	-0.70 (0.44)
Household income \$50K-\$100K	0.33 (0.33)	0.25 (0.32)	-0.01 (0.58)	0.75 (0.52)
Household income \$100K+	0.37 (0.39)	0.59 (0.37)	0.05 (0.68)	1.54 ^d (0.58)
Some college education	0.68 ^c (0.39)	0.64 ^c (0.37)	1.09 (0.68)	1.07 ^c (0.61)
College degree or more	0.35 (0.37)	0.66 ^c (0.35)	0.68 (0.70)	0.85 (0.58)
Family coverage	-0.08 (0.27)	-0.34 (0.24)	-0.74 (0.53)	-0.46 (0.33)
Self-reported health: good	0.51 ^c (0.28)	0.52 ^b (0.25)	0.68 (0.49)	0.02 (0.35)
Self-reported health: fair or poor	0.65 (0.57)	0.91 ^c (0.48)	0.67 (0.86)	1.33 ^c (0.77)
HMO 1	0.12 (0.40)	-0.33 (0.35)	0.19 (0.92)	-0.33 (0.56)
PPO type 2	-0.56 ^c (0.34)	-1.21 ^d (0.31)	0.52 (0.65)	-1.61 ^d (0.47)
HMO 2	-0.34 (0.36)	-0.78 ^b (0.31)	0.68 (0.65)	-0.69 (0.46)
PPO type 1	-0.47 (0.36)	-0.84 ^d (0.30)	1.02 (0.79)	-0.42 (0.49)
HMO 3	-0.36 (0.42)	-0.82 ^b (0.37)	1.24 (0.82)	-0.41 (0.62)
Constant	-0.69 (0.57)	-0.49 (0.63)	-3.32 ^d (1.17)	-0.77 (0.82)
F statistic	1.65		1.16	
Number	817		321	

HMO indicates health maintenance organization; PPO, preferred provider organization.

^aStandard errors are shown in parentheses next to the model coefficients.

^bSignificant at .05.

^cSignificant at .10.

^dSignificant at .01.