

Who's Willing? Characteristics Associated with Willingness to Participate in Clinical Research

Table 1.
Demographics of Sample by Willingness to Participate in Medical Research

	<i>Willing to participate in research N = 1070 n (weighted proportion)</i>	<i>Unsure/unwilling to participate in research N = 1080 n (weighted proportion)</i>
Sex		
male	548 (49)	490 (51)
female	522 (44)	590 (56)
Age (in years)		
18-29	193 (51)	200 (49)
30-44	432 (50)	413 (50)
45-59	354 (49)	325 (51)
≥ 60	91 (36)	142 (64)
Income (in dollars)		
< \$30,000	244 (43)	298 (57)
\$30,000-\$60,000	310 (45)	341 (55)
\$60,001-\$100,000	304 (49)	306 (51)
> \$100,000	212 (58)	135 (42)
Race or ethnicity		
non-Hispanic white	808 (48)	779 (52)
non-Hispanic black	90 (43)	100 (57)
non-Hispanic other	35 (32)	42 (68)
Hispanic	100 (38)	127 (62)
Previous research participation	156 (75)	65 (25)
No previous research participation	910 (43)	1007 (57)
Chronic conditions		
0	408 (41)	530 (59)
1	266 (47)	239 (53)
2	186 (53)	133 (47)
> 2	210 (51)	178 (49)

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Distance to travel to participate in medical research

< 15 minutes	156 (52)	171 (48)
16-30 minutes	321 (62)	174 (38)
31-60 minutes	177 (51)	137 (49)
> 60 minutes	77 (67)	51 (33)
unsure	337 (34)	534 (67)

Highest education level

< high school	69 (30)	115 (70)
high school	263 (39)	365 (61)
some college	339 (50)	315 (50)
bachelor's or higher	399 (58)	285 (42)

Table 2.
Association between Willingness to Participate in Research and Demographic Characteristics

	<i>Unadjusted odds ratio (95% CI)</i>	<i>Adjusted odds ratio* (95% CI)</i>
Sex (reference: female)		
male	1.25 (0.95-1.65)	1.23 (0.93-1.68)
Age (years; reference: 18-29)		
30-44	0.95 (0.64-1.42)	0.97 (0.64-1.48)
45-59	0.90 (0.59-1.37)	0.92 (0.60-1.45)
≥ 60	0.53 (0.33-0.87)	0.44 (0.25-0.75)
Annual household income (\$) (reference < \$30,000)		
\$30,000-\$60,000	1.09 (0.76-1.55)	0.96 (0.65-1.42)
\$60,001 - \$100,000	1.29 (0.89-1.85)	0.90 (0.57-1.42)
> \$100,000	1.87 (1.22-2.97)	1.09 (0.65-1.85)
Race or ethnicity (reference: non-Hispanic white)		
non-Hispanic black	0.82 (0.51-1.34)	1.19 (0.68-2.09)
non-Hispanic other	1.05 (0.59-1.85)	1.15 (0.64-2.06)
Hispanic	0.66 (0.44-1.00)	0.96 (0.62-1.50)
Previous research participation	4.05 (2.54-6.47)	3.28 (1.95-5.50)
Self-reported chronic conditions (reference: 0)		
1	1.26 (0.88-1.81)	1.33 (0.91-1.95)
2	1.61 (1.08-2.41)	1.68 (1.11-2.53)
> 2	1.48 (1.02-2.16)	1.83 (1.21-2.76)
Distance to travel to participate in medical research (reference < 15 minutes)		
15-30 minutes	1.52 (0.95-2.41)	1.52 (0.94-2.47)
31-60 minutes	1.00 (0.61-1.64)	1.12 (0.67-1.88)
> 60 minutes	1.90 (1.01-3.57)	2.04 (1.08-3.86)
unsure	0.47 (0.31-0.72)	0.62 (0.39-0.96)
Highest educational level (reference: < high school)		
high school	1.48 (0.90-2.41)	1.28 (0.733-2.24)
some college	2.34 (1.43-3.82)	1.57 (0.89-2.76)
bachelor's or higher	2.27 (2.00-5.34)	2.11 (1.16-3.87)

*Multivariate logistic regression includes all of the listed variables in the final model.

Table 3.

Adjusted Odds of Characteristics Considered “Very Important” for Participation in Clinical Research, by Demographic Group*

	Risk Adjusted odds ratio (95% CI)	Benefit to Self Adjusted odds ratio (95% CI)	Benefit to Others Adjusted odds ratio (95% CI)	Pain Adjusted odds ratio (95% CI)	Time Adjusted odds ratio (95% CI)	Payment Adjusted odds ratio (95% CI)	Hassle Adjusted odds ratio (95% CI)
Race/Ethnicity (reference: non-Hispanic white)							
Non-Hispanic black	0.86 (0.43-1.71)	1.23 (0.56-2.67)	1.57 (0.81-3.02)	1.79 (0.87-3.69)	1.16 (0.63-2.15)	1.44 (0.74-2.81)	2.09 (1.24-3.51) [†]
Non-Hispanic other	2.39 (0.67-8.51)	0.89 (0.39-2.04)	1.38 (0.72-2.61)	1.67 (0.81-3.41)	1.51 (0.74-3.06)	1.40 (0.66-2.96)	1.62 (0.80-3.29)
Hispanic	1.82 (0.99-3.37)	1.46 (0.71-3.00)	1.62 (0.90-2.98)	2.78 (1.40-5.50) [†]	1.26 (0.79-2.01)	1.68 (0.95-3.00)	1.66 (0.97-2.86)
Previous research participation	0.58 (0.33-1.01)	0.65 (0.38-1.10)	1.26 (0.75-2.11)	0.38 (0.24-0.61) [‡]	0.54 (0.32-0.93) [‡]	1.06 (0.63-1.79)	0.39 (0.21-0.75) [†]
Annual household income (\$) (reference: <\$30,000)							
\$30,000- \$60,000	1.40 (0.87-2.26)	1.34 (0.72-2.50)	1.35 (0.77-2.36)	1.03 (0.66-1.61)	1.27 (0.84-1.91)	0.86 (0.56-1.31)	1.22 (0.78-1.90)
\$60,001- \$100,000	2.40 (1.29-4.47) [†]	0.91 (0.52-1.60)	0.79 (0.49-1.29)	1.51 (0.93-2.46)	1.37 (0.85-2.20)	0.75 (0.48-1.19)	0.90 (0.53-1.52)
>\$100,000	2.39 (1.18-4.82) [‡]	1.04 (0.55-1.94)	0.80 (0.47-1.35)	0.97 (0.57-1.66)	1.46 (0.86-2.50)	0.55 (0.31-0.98) [‡]	0.90 (0.51-1.58)
Sex (reference: female)							
Male	0.62 (0.41-0.92) [‡]	0.66 (0.44-0.98) [‡]	0.73 (0.53-1.02)	0.63 (0.44-0.90) [†]	0.69 (0.49-0.97) [‡]	0.96 (0.67-1.36)	0.70 (0.50-0.98) [‡]

*In addition to the variables displayed in the rows, the models were adjusted for distance to travel to participate in clinical research.

[‡] p ≤ 0.05, [†] p < 0.01, ^{*} p < 0.001