

Table A2. Least-squares means and 95% confidence intervals of characteristics of dental practice(s) attended by FDCS participants during follow-up, by race and household income of the FDCS participant

Dental practice characteristic	AA low income	NHW low income	AA high income	NHW high income	Statistically significant comparisons
Practice setting					
Practice busyness rating	1.99 (1.74, 2.24)	2.19 (2.01, 2.37)	2.06 (1.75, 2.37)	2.43 (2.31, 2.55)	race (p=0.013)
Typical time a patient has to wait ... for a new patient exam appointment (in days)	26.22 (19.32, 33.12)	20.78 (16.15, 25.41)	24.43 (15.83, 33.03)	17.55 (14.43, 20.67)	--
for a restorative dentistry appt (in days)	21.74 (16.17, 27.31)	17.29 (13.55, 21.03)	26.24 (19.30, 33.18)	14.93 (12.40, 17.46)	race (p=0.002)
in waiting room (in minutes)	17.35 (14.96, 19.74)	13.43 (11.82, 15.04)	15.01 (12.03, 17.99)	10.80 (9.72, 11.88)	race (p=0.001), income (p=0.024)
Percent of visits in practice due to unscheduled care	10.41 (7.82, 13.00)	10.79 (9.05, 12.53)	8.15 (4.92, 11.38)	8.32 (7.14, 9.50)	income (p=0.046)
Number of patient visits each week done by dentist	63.40 (55.87, 70.93)	56.69 (51.63, 61.75)	63.01 (53.64, 72.38)	54.25 (50.86, 57.64)	race (p=0.025)
Number of hours each week in direct patient care	30.29 (28.39, 32.19)	32.19 (30.92, 33.46)	29.41 (26.98, 31.84)	32.71 (31.85, 33.57)	race (p=0.003)
Number of dental chairs regularly used	5.39 (4.63, 6.15)	4.78 (4.27, 5.29)	4.95 (4.01, 5.89)	4.30 (3.97, 4.63)	--
Number of full-time staff	3.51 (2.98, 4.04)	3.82 (3.47, 4.17)	3.70 (3.03, 4.37)	3.88 (3.64, 4.12)	--
Number of part-time staff	2.25 (1.88, 2.62)	2.01 (1.76, 2.26)	2.17 (1.72, 2.62)	1.80 (1.64, 1.96)	--
Patient population					
Percent of patients who are ... covered by a private insurance program	40.62 (34.86, 46.38)	48.32 (44.46, 52.18)	43.80 (36.63, 50.97)	56.29 (53.68, 58.90)	race (p=0.001), income (p=0.035)
covered by a public program	17.87 (14.52, 21.22)	11.08 (8.20, 13.96)	13.13 (8.96, 17.30)	8.23 (6.72, 9.74)	race (p=0.001), income (p=0.014)
not covered by any third party, pay own bills	39.26 (33.62, 44.90)	37.28 (33.50, 41.06)	32.64 (25.62, 39.66)	33.59 (31.04, 36.14)	income (p=0.046)

not covered, receive free or reduced-fee care	1.94 (0.45, 3.43)	2.71 (1.71, 3.71)	5.28 (3.44, 7.12)	1.86 (1.19, 2.53)	race*income (p=0.002)
<u>Percent of practice charges derived from ...</u>					
dental insurance	49.11 (43.78, 54.44)	50.69 (47.12, 54.26)	44.32 (37.70, 50.94)	52.77 (50.38, 55.16)	race (p=0.040)
self-pay	42.34 (36.99, 47.69)	41.90 (38.31, 45.49)	39.88 (33.22, 46.54)	41.15 (38.74, 43.56)	--
unpaid bills	4.80 (3.27, 6.33)	4.60 (3.58, 5.62)	6.21 (4.31, 8.11)	4.46 (3.77, 5.15)	--
other	3.12 (1.47, 4.77)	2.21 (1.11, 3.31)	3.56 (1.50, 5.62)	0.98 (0.24, 1.72)	race (p=0.021)
Percent of patients on extended payment schedules	13.40 (7.48, 19.32)	12.96 (8.98, 16.94)	9.78 (2.41, 17.15)	16.15 (13.46, 18.84)	--
<u>Percent of patients who ...</u>					
seek care soon enough	47.69 (42.28, 53.10)	56.05 (52.42, 59.68)	45.49 (38.55, 52.43)	65.37 (62.92, 67.82)	race (p=0.001), race*income (p=0.022)
fear dentists	39.16 (31.73, 46.59)	38.34 (33.38, 43.30)	53.92 (44.71, 63.13)	33.55 (30.22, 36.88)	race (p=0.001), race*income (p=0.004)
visit dentists more often than necessary	3.49 (2.24, 4.74)	3.42 (2.58, 4.26)	2.09 (0.54, 3.64)	4.01 (3.44, 4.58)	--
complain about waiting	7.66 (4.52, 10.80)	6.42 (4.30, 8.54)	8.04 (4.12, 11.96)	4.61 (3.18, 6.04)	--
pay their bills	83.29 (76.53, 90.05)	84.21 (79.68, 88.74)	74.78 (66.35, 83.21)	87.31 (84.27, 90.35)	race (p=0.030)
follow advice about dental hygiene	46.84 (40.74, 52.94)	52.42 (48.30, 56.54)	47.30 (39.71, 54.89)	57.35 (54.59, 60.11)	race (p=0.005)
show for appointments as scheduled	84.87 (82.40, 87.34)	85.12 (83.47, 86.77)	78.84 (75.78, 81.90)	86.67 (85.55, 87.79)	race (p=0.001), race*income (p=0.001)
take responsibility for their oral health	59.11 (53.41, 64.81)	64.29 (60.45, 68.13)	56.35 (49.24, 63.46)	71.54 (68.93, 74.15)	race (p=0.001)
treat me with the respect that I deserve	81.80 (75.08, 88.52)	84.33 (79.82, 88.84)	73.41 (65.04, 81.78)	89.08 (86.06, 92.10)	race (p=0.003), race*income (p=0.033)
want to know details about condition of their mouths	65.04 (57.63, 72.45)	68.03 (63.05, 73.01)	61.19 (51.96, 70.42)	71.10 (67.77, 74.43)	--
want to know details about treatment options	71.72 (65.21, 78.23)	72.96 (68.59, 77.33)	69.66 (61.02, 78.30)	74.43 (71.49, 77.37)	--
use credit cards to pay for their treatment	15.27	16.79	16.70	21.61	--

	(11.59, 18.95)	(14.32, 19.26)	(12.11, 21.29)	(19.92, 23.30)	
<u>Percent of patients who are ...</u>					
1-18 years old	15.67 (13.73, 17.61)	15.65 (14.36, 16.94)	15.47 (12.98, 17.96)	13.95 (13.07, 14.83)	--
19-44 years old	29.39 (26.82, 31.96)	29.36 (27.64, 31.08)	27.69 (24.40, 30.98)	30.50 (29.34, 31.66)	--
45-64 years old	35.90 (33.16, 38.64)	34.55 (32.71, 36.39)	35.68 (32.17, 39.19)	35.96 (34.73, 37.19)	--
65 years old or older	19.04 (16.49, 21.59)	19.83 (18.12, 21.54)	16.66 (13.39, 19.93)	19.48 (18.32, 20.64)	--
<u>Percent of patients who are ...</u>					
non-Hispanic White	51.52 (47.07, 55.97)	61.92 (58.94, 64.90)	49.79 (44.05, 55.53)	70.02 (68.00, 72.04)	race (p=0.001), race*income (p=0.018)
non-Hispanic Black	43.49 (39.28, 47.70)	31.79 (28.97, 34.61)	40.14 (34.69, 45.59)	23.67 (21.75, 25.59)	race (p=0.001), income (p=0.004)
Hispanic	3.25 (2.11, 4.39)	3.39 (2.63, 4.15)	3.31 (1.84, 4.78)	3.78 (3.27, 4.29)	--
of Asian descent	1.67 (0.91, 2.43)	2.13 (1.62, 2.64)	1.60 (0.62, 2.58)	2.25 (1.90, 2.60)	--
of other ethnicity	0.07 (-0.26, 0.40)	0.16 (-0.06, 0.38)	0.56 (0.13, 0.99)	0.35 (0.19, 0.51)	income (p=0.030)
Dental procedure characteristics					
<u>For dental extractions ... what percent are replaced eventually by ...</u>					
Fixed bridge	15.74 (9.84, 21.64)	24.72 (20.76, 28.68)	18.23 (10.90, 25.56)	38.41 (35.74, 41.08)	race (p=0.001), income (p=0.003)
Removable partial or full denture	38.39 (33.88, 42.90)	32.44 (29.40, 35.48)	34.11 (28.48, 39.74)	27.78 (25.74, 29.82)	race (p=0.003), income (p=0.031)
Dental implant	1.07 (-1.05, 3.19)	3.64 (2.21, 5.07)	0.92 (-1.73, 3.57)	4.84 (3.88, 5.80)	race (p=0.001)
Not replaced	43.83 (38.24, 49.42)	38.40 (34.66, 42.14)	42.29 (35.35, 49.23)	28.67 (26.14, 31.20)	race (p=0.003), income (p=0.028)
Other	0.07 (-0.05, 0.19)	0.08 (0.00, 0.16)	0.18 (0.02, 0.34)	0.02 (-0.04, 0.08)	--
Number dental extraction patients each month	32.75 (27.07, 38.43)	28.17 (24.43, 31.91)	26.96 (19.98, 33.94)	21.20 (18.73, 23.67)	race (p=0.045), income (p=0.013)

<u>Percent patient contact time dentist spends doing...</u>					
non-implant restorative dentistry	45.96 (40.18, 51.74)	52.96 (49.08, 56.84)	46.40 (39.21, 53.59)	61.20 (58.59, 63.81)	race (p=0.001)
dental implants (surgery or prosthetic time)	0.71 (-0.45, 1.87)	1.06 (0.28, 1.84)	0.43 (-1.02, 1.88)	2.07 (1.54, 2.60)	--
removable prosthetics	18.48 (14.32, 22.64)	13.97 (11.19, 16.75)	16.44 (11.27, 21.61)	9.28 (7.42, 11.14)	race (p=0.002)
dental extractions	12.68 (10.72, 14.64)	10.43 (9.12, 11.74)	11.93 (9.48, 14.38)	8.07 (7.19, 8.95)	race (p=0.001)
periodontal therapy (surgical and non-surgical)	4.04 (2.67, 5.41)	3.63 (2.71, 4.55)	4.39 (2.68, 6.10)	3.44 (2.83, 4.05)	--
endodontic (surgical and non-surgical)	7.64 (5.66, 9.62)	7.61 (6.30, 8.92)	7.92 (5.47, 10.37)	7.18 (6.30, 8.06)	--
other (preventive and diagnostic)	9.66 (7.41, 11.91)	9.65 (8.14, 11.16)	8.28 (5.48, 11.08)	8.74 (7.72, 9.76)	--
<u>Typical fee for a ...</u>					
2-surface amalgam	56.15 (49.62, 62.68)	65.19 (60.90, 69.48)	59.05 (51.03, 67.07)	68.85 (65.91, 71.79)	race (p=0.002)
3-canal molar root canal	315.04 (262.51,367.57)	381.49 (344.27, 418.71)	352.76 (283.40,422.12)	438.83 (412.88,464.78)	race (p=0.003)
Single uncomplicated extraction	58.16 (52.61, 63.71)	63.07 (59.33, 66.81)	57.95 (51.11, 64.79)	66.35 (63.84, 68.86)	race (p=0.009)
Cast partial denture	547.67 (473.43,621.91)	667.29 (617.68,716.90)	568.04 (475.98,660.10)	742.95 (709.59,776.31)	race (p=0.001)
Full denture	610.14 (521.70,698.58)	668.78 (609.98,727.58)	564.06 (451.50,676.62)	755.41 (716.56,794.26)	race (p=0.002)
Porcelain-to-metal crown	446.37 (405.60,487.14)	503.41 (476.70,530.12)	455.11 (404.91,505.31)	540.58 (522.67,558.49)	race (p=0.001)
<u>Percent of procedures you refer to other dentists...</u>					
Periodontal surgery	69.42 (58.91, 79.93)	74.21 (67.15, 81.27)	71.14 (58.05, 84.23)	78.51 (73.79, 83.23)	--
Prosthetic crowns and bridges (other than implants)	5.82 (2.74, 8.90)	2.77 (0.71, 4.83)	3.50 (-0.34, 7.34)	0.90 (-0.49, 2.29)	race (p=0.045)
Implant surgery	93.56 (84.88, 102.24)	88.10 (82.28, 93.92)	93.20 (82.38, 104.02)	85.22 (81.30, 89.14)	--
Implant restorations	40.12	35.82	38.21	28.28	

Full dentures	(28.44, 51.80) 13.70	(27.98, 43.66) 13.87	(23.67, 52.75) 16.13	(22.99, 33.57) 13.90	--
Removable partial dentures	(5.31, 22.09) 2.03	(8.24, 19.50) 2.00	(5.68, 26.58) 0.75	(10.12, 17.68) 1.41	--
Anterior tooth root canals	(0.17, 3.89) 13.6	(0.77, 3.23) 21.21	(-1.56, 3.06) 11.31	(0.57, 2.25) 32.04	--
Molar tooth root canals	(3.66, 23.54) 57.95	(14.55, 27.87) 60.67	(-1.06, 23.68) 52.22	(27.57, 36.51) 64.88	race (p=0.002)
Endodontic surgery	(47.13, 68.77) 79.51	(53.42, 67.92) 86.12	(38.74, 65.70) 82.17	(60.00, 69.76) 87.54	--
Non-surgical extractions	(71.55, 87.47) 10.62	(80.77, 91.47) 16.92	(72.25, 92.09) 4.43	(83.95, 91.13) 29.12	--
Surgical extractions	(1.60, 19.64) 54.09	(10.86, 22.98) 59.22	(-6.82, 15.68) 48.16	(25.06, 33.18) 65.65	race (p=0.001), race*income (p=0.026)
Orthodontics	(43.84, 64.34) 91.59	(52.34, 66.10) 96.09	(35.38, 60.94) 90.99	(61.02, 70.28) 94.94	race (p=0.016)
	(86.16, 97.02)	(92.44, 99.74)	(84.23, 97.75)	(92.49, 97.39)	--
<u>Percent of patients who receive the following services at some time while in your practice...</u>					
Dental x-rays	96.28	97.36	97.20	98.45	--
	(94.48, 98.08)	(96.14, 98.58)	(94.95, 99.45)	(97.63, 99.27)	
Diet counseling	17.22	19.11	20.83	19.75	--
	(10.44, 24.00)	(14.56, 23.66)	(12.38, 29.28)	(16.69, 22.81)	
Blood pressure screening	28.72	29.39	32.62	29.73	--
	(19.41, 38.03)	(23.22, 35.56)	(21.17, 44.07)	(25.59, 33.87)	
Oral cancer screening examination	93.61	94.15	92.10	94.42	--
	(89.87, 97.35)	(91.64, 96.66)	(87.45, 96.75)	(92.73, 96.11)	
Oral hygiene instruction	77.67	86.37	83.09	91.61	race (p=0.001), income (p=0.014)
	(72.93, 82.41)	(83.19, 89.55)	(77.19, 88.99)	89.47, 93.75)	
In-office fluoride application	43.64	45.88	40.43	47.30	--
	(35.76, 51.52)	(40.61, 51.15)	(30.63, 50.23)	(43.75, 50.85)	
Fluoride gel/rinse prescribed/recommended for home	19.99	24.39	17.89	29.33	race (p=0.006)
	(13.64, 26.34)	(20.18, 28.60)	(10.07, 25.71)	(26.51, 32.15)	
Patient education from written pamphlets	28.36	38.40	26.12	33.86	
	(20.48, 36.24)	(33.15, 43.65)	(16.44, 35.80)	(30.33, 37.39)	race (p=0.013)
Patient education from videos or slides	5.86	12.38	17.05	10.62	
	(-1.37, 13.09)	(7.58, 17.18)	(8.15, 25.95)	(7.41, 13.83)	race*income (p=0.049)
Intraoral photographs taken	3.33	4.38	2.69	7.93	
	(-0.20, 6.86)	(2.01, 6.75)	(-1.70, 7.08)	(6.34, 9.52)	--

Intraoral video images taken	2.36 (-3.74, 8.46)	10.86 (6.78, 14.94)	8.24 (0.65, 15.83)	11.77 (9.03, 14.51)	race (p=0.031)
Dentist individual characteristics					
Dentist's current age	51.29 (48.86, 53.72)	51.10 (49.47, 52.73)	50.45 (47.43, 53.47)	51.24 (50.14, 52.34)	--
Last two figures of dentist's graduation year	73.26 (70.73, 75.79)	73.57 (71.86, 75.28)	74.14 (70.98, 77.30)	73.36 (72.22, 74.50)	--
<u>Amount of agreement with these statements...</u>					
Patients should seek second opinions ...	4.28 (4.06, 4.50)	4.16 (4.02, 4.30)	4.17 (3.90, 4.44)	4.06 (3.96, 4.16)	--
Patients better off not knowing all the facts ...	1.83 (1.52, 2.14)	1.70 (1.50, 1.90)	2.22 (1.85, 2.59)	1.73 (1.59, 1.87)	race (p=0.026)
Dentists should present all treatment options	5.41 (5.12, 5.70)	5.29 (5.09, 5.49)	5.09 (4.74, 5.44)	5.25 (5.11, 5.39)	--
... dentist should try to convince patient to accept it.	3.47 (3.14, 3.80)	3.46 (3.22, 3.70)	3.09 (2.66, 3.52)	3.47 (3.31, 3.63)	--
... the patient should be dismissed from practice	2.45 (2.18, 2.72)	2.35 (2.17, 2.53)	2.43 (2.10, 2.76)	2.28 (2.16, 2.40)	--

AA: African American
 NHW: non-Hispanic White

The 57 low income AAs in the sample attended 32 dental practices. The 126 low income NHWs attended 79 practices. The 36 high income AAs attended 34 practices. The 278 high income NHWs attended 146 practices.

Least-squares means were calculated using the SAS[®] GLM procedure. Statistical tests of differences in means by race and household income were done using an analysis of variance with race and income as main effects and a race*income interaction term (SAS[®] GLM procedure). Least-squares means are adjusted for unequal sample sizes between subgroups.

Values in parentheses are normal-based 95% confidence intervals for least-squares means.

Effects listed in the "Statistically significant comparisons" column were significant at $p < 0.05$.

Race : indicates that the race main effect was statistically significant

Income : indicates that the income main effect was statistically significant

Race*income : indicates that the two-factor interaction term for race and income was statistically significant