Multitrait Scaling and IRT: Part II

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http://www.gim.med.ucla.edu/FacultyPages/Hays/

Questionnaire Design and Testing Workshop

2nd Floor Conference Room

December 4, 2007, 10am-12 noon

Getting needed care (4 items)

- 5. Since your child joined his/her dental plan, how much of a problem, if any, was it to find a dental office or clinic for your child you are happy with?
- 12. In the last 12 months, how much of a problem, if any was it to get a referral to a dental specialist that your child needed to see?
- 25. In the last 12 months, how much of a problem, if any, was it to get dental care for your child that you or a dentist believed necessary?
- 26. In the last 12 months, how much of a problem, if any, were delays in your child's dental care while you waited for approval from your child's dental plan?

Getting care quickly (5 items)

- 16. In the last 12 months, when you called during regular office hours, how often did you get the help or advice you needed for your child?
- 18. In the last 12 months, how often did your child get an appointment to fill or treat a cavity as soon as you wanted?
- 20. In the last 12 months, how often did your child get an appointment for regular or routine dental care as soon as you wanted?
- 22. In the last 12 months, when your child needed care right away for a mouth pain or a dental problem how often did your child get care as soon as you wanted?
- 27. In the last 12 months, how often did your child wait in the dentist's office or clinic more than 15 minutes past the appointment time to see the person your child went to see?

Communication with providers (10 items)

- 30. In the last 12 months, how often did your child's dentists or other dental providers listen carefully to you?
- 31. In the last 12 months, how often did you have a hard time speaking with or understanding your child's dentists or other dental providers because you spoke different languages?
- 32. In the last 12 months, how often did your child's dentists or other dental providers explain things in a way you could understand?
- 33. In the last 12 months, how often did your child's dentists or other dental providers show respect for what you had to say?
- 35. In the last 12 months, how often were you in the room with your child while the dentist examined his/her teeth, or gave treatment (like filling a cavity)?

Communication with providers, cont. (10 items)

- 37. In the past 12 months, how often did your child have a hard time speaking with or understanding his/her dentists or other dental providers because they spoke different languages?
- 38. In the last 12 months, how often did dentists or other dental providers explain things in a way your child could understand?
- 39. In the last 12 months, how often did dentists or other dental providers spend enough time with your child?
- 32b. In the last 12 months, when you needed an interpreter to help you speak with your child's dentist or dental provider, how often did you get one?
- 32d. In the last 12 months, when your child needed an interpreter to help him/here speak with a dentist or other dental provider, how often did he/she get one?

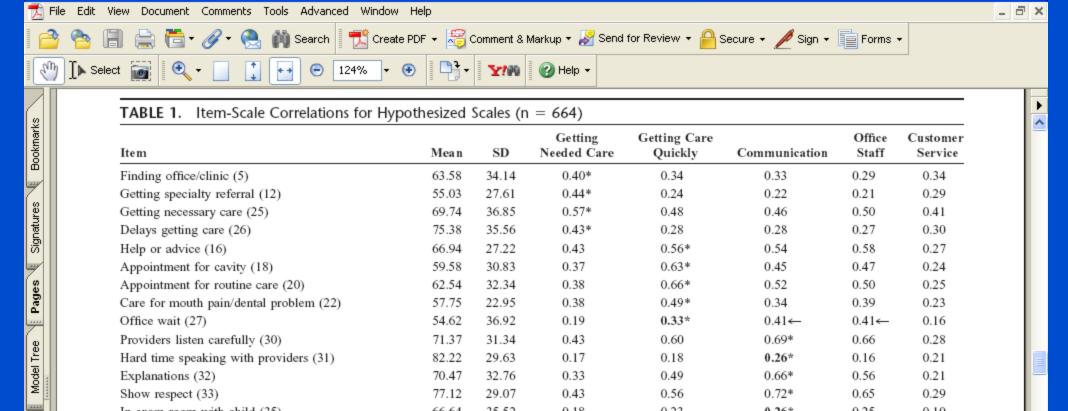
Dental office staff (2 items)

28.In the last 12 months, how often did office staff at your child's dentist's office or dental clinic treat you and your child with courtesy and respect?

29.In the last 12 months, how often were office staff at your child's dentist's office or dental clinic as helpful as you thought they should be?

Dental plan customer service (3 items)

- 47. In the last 12 months, how much of a problem, if any, was it to find or understand information in the written materials?
- 49. In the last 12 months, how much of a problem, if any, was it to get the help you needed when you called your child's dental plan's customer service?
- 51. In the last 12 months, how much of problem, if any, did you have with paperwork for your child's dental plan?



Item	Mean	SD	Needed Care	Quickly	Communication	Staff	Service
Finding office/clinic (5)	63.58	34.14	0.40*	0.34	0.33	0.29	0.34
Getting specialty referral (12)	55.03	27.61	0.44*	0.24	0.22	0.21	0.29
Getting necessary care (25)	69.74	36.85	0.57*	0.48	0.46	0.50	0.41
Delays getting care (26)	75.38	35.56	0.43*	0.28	0.28	0.27	0.30
Help or advice (16)	66.94	27.22	0.43	0.56*	0.54	0.58	0.27
Appointment for cavity (18)	59.58	30.83	0.37	0.63*	0.45	0.47	0.24
Appointment for routine care (20)	62.54	32.34	0.38	0.66*	0.52	0.50	0.25
Care for mouth pain/dental problem (22)	57.75	22.95	0.38	0.49*	0.34	0.39	0.23
Office wait (27)	54.62	36.92	0.19	0.33*	0.41←	0.41←	0.16
Providers listen carefully (30)	71.37	31.34	0.43	0.60	0.69*	0.66	0.28
Hard time speaking with providers (31)	82.22	29.63	0.17	0.18	0.26*	0.16	0.21
Explanations (32)	70.47	32.76	0.33	0.49	0.66*	0.56	0.21
Show respect (33)	77.12	29.07	0.43	0.56	0.72*	0.65	0.29
In exam room with child (35)	66.64	35.52	0.18	0.23	0.26*	0.25	0.10
Child had hard time speaking with providers (37)	91.17	18.91	0.09	0.10	0.19*	0.14	0.13
Explained to child (38)	76.32	25.97	0.21	0.34	0.44*	0.35	0.17
Spent enough time with child (39)	67.58	30.95	0.40	0.62	0.70*	0.63	0.29
Got interpreter (32b)	73.87	15.42	0.23	0.22	0.29*	0.19	0.20
Child got interpreter (32d)	62.25	11.02	0.08	0.13	0.19*	0.10	0.13
Treated with courtesy and respect (28)	77.93	28.37	0.39	0.57	0.61	0.78*	0.26
Helpful (29)	70.25	30.73	0.47	0.66	0.68	0.78*	0.27
Understanding written material (47)	72.57	29.46	0.38	0.25	0.28	0.19	0.46*
Help from customer service (49)	69.50	31.90	0.39	0.25	0.25	0.24	0.40*
Paperwork (51)	81.14	24.26	0.28	0.21	0.25	0.20	0.39*

Item numbers in survey shown in parentheses in first column. Items were transformed linearly to a 0-100 possible range, with higher score being a more positive experience. ← indicates item-scale correlation that exceeds correlation of item with its hypothesized scale.

Bolded entries indicate correlation with hypothesized scale is less than 0.30 or less than correlations with other scales in the same row.

Comments Attachments







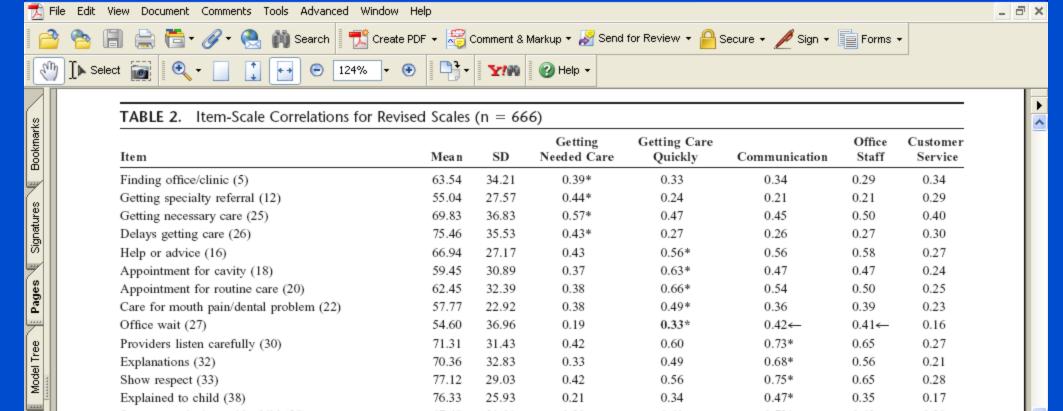








^{*}Correlation of item with hypothesized scale.



Item	Mean	SD	Getting Needed Care	Getting Care Quickly	Communication	Office Staff	Customer Service
Finding office/clinic (5)	63.54	34.21	0.39*	0.33	0.34	0.29	0.34
Getting specialty referral (12)	55.04	27.57	0.44*	0.24	0.21	0.21	0.29
Getting necessary care (25)	69.83	36.83	0.57*	0.47	0.45	0.50	0.40
Delays getting care (26)	75.46	35.53	0.43*	0.27	0.26	0.27	0.30
Help or advice (16)	66.94	27.17	0.43	0.56*	0.56	0.58	0.27
Appointment for cavity (18)	59.45	30.89	0.37	0.63*	0.47	0.47	0.24
Appointment for routine care (20)	62.45	32.39	0.38	0.66*	0.54	0.50	0.25
Care for mouth pain/dental problem (22)	57.77	22.92	0.38	0.49*	0.36	0.39	0.23
Office wait (27)	54.60	36.96	0.19	0.33*	0.42←	0.41←	0.16
Providers listen carefully (30)	71.31	31.43	0.42	0.60	0.73*	0.65	0.27
Explanations (32)	70.36	32.83	0.33	0.49	0.68*	0.56	0.21
Show respect (33)	77.12	29.03	0.42	0.56	0.75*	0.65	0.28
Explained to child (38)	76.33	25.93	0.21	0.34	0.47*	0.35	0.17
Spent enough time with child (39)	67.48	31.01	0.39	0.61	0.73*	0.63	0.30
Treated with courtesy and respect (28)	77.95	28.35	0.39	0.57	0.63	0.78*	0.26
Helpful (29)	70.24	30.68	0.47	0.66	0.72	0.78*	0.27
Understanding written material (47)	72.50	29.44	0.38	0.25	0.23	0.19	0.46*
Help from customer service (49)	69.44	31.99	0.39	0.24	0.24	0.24	0.40*
Paperwork (51)	81.14	24.22	0.28	0.21	0.22	0.20	0.39*
Hard time speaking with providers (31)	82.27	29.61	0.17	0.18	0.24	0.16	0.21
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