

Supplemental Table A

Psychotropic Medication Usage by Medication Type for Males, Females and the Total Sample

Medication Type	Gender		Total
	Males	Females	
Psychotropic Medication	39.8%	46.4%	44.8%
SSRI/SNRI	20.1%	22.2%	20.1%
Anti-psychotics	12.5%	6.4%	10.8%
Stimulants/ADHD Medications	29.8%	24.0%	28.2%
Anti-convulsants	2.3%	8.5%	6.8%
Sedatives	1.1%	0.6%	1.0%
Other Anti-depressants/ anxiety	3.7%	1.8%	3.2%

Supplemental Table B

Factor Loadings and Inter-Factor Correlations for the Six-factor Solution with Parcels Using

Data from the Derivation Sample

Parcel/ Items ^a	Factor Loadings					
	<u>I</u> Irritability	<u>II</u> Hyperactivity	<u>III</u> Socially Unresponsive / Lethargic	<u>IV</u> Social Avoidance	<u>V</u> Stereotypy	<u>VI</u> Inapp. Speech ^b
Irritability 01	.81	-.01	-.11	.01	.10	-.05
Irritability 02	.81	-.06	-.04	.04	.09	-.04
Irritability 03	.80	-.01	-.04	.00	.03	-.07
18. Disobedient, difficult to control	.67	.18	.11	-.05	-.06	-.04
24. Uncooperative	.56	.12	.26	.01	-.16	.00
34. Cries over minor annoyances/hurts	.60	-.17	.27	-.07	-.08	.05
7. Boisterous, inappropriately noisy	.44	.30	-.05	.01	-.02	.17
21. Disturbs others	.49	.18	-.12	-.01	.08	.19
Hyperactivity 01	-.06	1.00	-.03	.05	.02	-.04
Hyperactivity 02	.04	.88	-.02	.03	.01	.00
Hyperactivity 03	.05	.91	-.03	.01	.04	-.01
28. Doesn't pay attention to instruction	-.20	.57	.54	-.02	-.04	-.03
31. Disrupts group activities	.32	.51	-.02	-.01	.00	.00
Lethargy 01	-.06	-.03	.77	.13	.16	-.06
Lethargy 02	-.15	-.13	.78	.08	.18	-.08
Lethargy 03	.07	-.10	.75	.11	.06	.02
51. Pays no attention when spoken to	-.13	.17	.77	-.11	.00	.03
56. Deliberately ignores directions	.18	.05	.74	-.13	-.14	.02
25. Depressed mood	.45	-.43	.49	.11	-.22	.04
42. Prefers to be alone	.04	-.01	.01	.84	-.04	-.03
16. Withdrawn/prefer solitary activities	-.05	.01	-.02	.87	.00	.07
5. Seeks isolation from others	.04	.02	.02	.91	-.08	.05
30. Isolates self from children or adults	-.01	.12	.09	.82	.04	-.08
Stereotypy 01	.15	.03	.02	-.01	.82	-.10
Stereotypy 02	.01	.05	.10	-.07	.76	.02
Stereotypy 03	.13	-.01	.14	.01	.71	.07
Inappropriate Speech 01	-.04	.13	-.05	.03	.14	.85
Inappropriate Speech 02	-.12	.00	-.07	.01	-.03	.96
Inter-factor Correlation Matrix						
Factor I	1	.68	.69	.22	.38	.61
Factor II	.68	1	.52	.06	.47	.56
Factor III	.69	.52	1	.48	.44	.48
Factor IV	.22	.06	.48	1	.32	.23
Factor V	.38	.47	.44	.32	1	.37
Factor VI	.61	.56	.48	.23	.37	1

Note. Items in bold print load on the same respective factor as their original subscale and bolded/underlined items shifted to a new factor.

^a Summary of items original phrasing.

^b Abbreviation for Inappropriate Speech

Supplemental Table C

Percent of Parents/Caregivers who Endorse Each Item, by Gender and Age of Individuals with

FXS

Age	All	Males	Females	Males					Females				
	3-25	3-25	3-25	3-6	7-10	11-14	15-18	19+	3-6	7-10	11-14	15-18	19+
<i>n</i>	630	459	171	109	128	111	62	49	25	55	41	33	17
44. Easily distractible	82.2	89.5	62.6	88.1	96.1	89.2	85.5	81.6	56.0	69.1	58.5	63.6	58.8
13. Impulsive (acts without thinking)	74.9	81.9	56.1	80.6	89.8	79.3	74.2	79.6	60.0	60.0	61.0	45.5	47.1
15. Restless, unable to sit still	70.7	80.3	44.7	90.7	87.5	80.2	71.0	51.0	60.0	49.1	52.5	30.3	17.6
28. Doesn't pay attention instruction	68.7	75.6	50.3	76.1	82.8	75.7	72.6	59.2	56.0	52.7	65.9	33.3	29.4
22. Repetitive speech	65.4	75.2	39.2	57.4	82.7	78.2	80.6	81.6	56.0	43.6	39.0	27.3	23.5
57. Has outbursts when doesn't get way	65.2	70.4	51.5	79.8	78.9	67.6	58.1	49.0	72.0	60.0	51.2	30.3	35.3
10. Temper tantrums/outbursts	64.0	68.5	51.8	73.4	77.0	64.0	62.9	53.1	56.0	63.6	51.2	31.3	47.1
38. Doesn't stay in seat (lesson, meals...)	60.4	70.5	33.5	87.9	80.5	68.5	50.0	36.7	50.0	45.5	31.7	18.2	5.9
46. Repeats a word or phrase over and over	60.4	71.5	31.0	57.4	78.7	76.4	72.6	71.4	40.0	32.7	39.0	24.2	5.9
21. Disturbs others	59.5	67.4	38.2	65.1	78.1	69.1	67.2	40.8	36.0	47.3	43.9	28.1	17.6
1. Excessively active at home/ school, work	58.5	67.9	33.3	81.7	80.2	64.5	55.7	28.6	56.0	47.3	34.1	9.1	0.0
36. Mood changes quickly	58.1	58.2	57.9	56.5	61.7	63.1	49.2	53.1	68.0	69.1	48.8	48.5	47.1
29. Demands must be met immediately	57.2	62.4	43.3	70.6	68.5	66.7	46.8	38.8	56.0	56.4	36.6	30.3	23.5
9. Talks excessively	56.3	59.6	47.4	41.3	64.0	64.0	75.8	59.2	44.0	60.0	51.2	36.4	23.5
14. Irritable and whiny	55.6	57.4	50.9	62.4	72.7	53.6	40.3	36.7	40.0	67.3	56.1	30.3	41.2
39. Will not sit still for any length of time	54.5	64.8	26.9	76.1	74.2	62.7	46.8	42.9	52.0	32.7	22.0	15.2	5.9
18. Disobedient; difficult to control	54.2	61.4	35.1	68.8	69.3	60.4	54.8	34.7	44.0	40.0	39.0	21.2	23.5
7. Boisterous	53.2	60.0	34.7	66.7	71.9	56.8	53.2	30.6	28.0	45.5	32.5	33.3	17.6
11. Stereotyped behavior	52.8	61.3	30.0	55.0	69.5	62.7	55.7	57.1	28.0	37.0	34.1	24.2	11.8
24. Uncooperative	52.4	58.9	35.1	58.3	68.5	58.6	50.0	46.9	48.0	43.6	31.7	24.2	17.6

31. Disrupts group activities	52.2	61.9	26.3	63.3	73.4	64.0	56.5	30.6	28.0	36.4	26.8	18.2	5.9
54. Tends to be excessively active	52.1	62.4	24.6	78.7	74.2	56.8	51.6	22.4	40.0	29.1	29.3	12.1	0.0
35. Repetitive hand/body/ head movement	50.0	58.6	26.9	56.9	68.5	56.8	50.8	51.0	16.0	36.4	24.4	27.3	17.6
6. Meaningless, recurring movements	49.2	58.3	24.7	54.6	67.2	59.5	53.2	46.9	24.0	37.0	22.0	15.2	11.8
4. Aggressive to other children/adults	49.0	55.8	31.0	60.6	60.9	55.9	50.0	38.8	32.0	34.5	36.6	24.2	17.6
16. Withdrawn; prefer solitary activity	47.9	51.1	39.2	33.9	52.8	51.4	54.8	79.6	36.0	32.7	51.2	42.4	29.4
5. Seeks isolation from others	47.8	51.2	38.6	31.2	50.8	55.9	61.3	73.5	24.0	30.9	56.1	42.4	35.3
19. Yells at inappropriate times	44.8	50.0	31.0	52.8	59.4	46.8	40.3	38.8	28.0	34.5	36.6	21.2	29.4
40. Is difficult to reach / get through to	44.5	48.9	32.7	50.0	53.9	46.8	48.4	38.8	40.0	36.4	34.1	27.3	17.6
56. Deliberately ignores directions	44.4	49.6	30.4	50.9	58.6	49.5	40.3	34.7	32.0	36.4	29.3	24.2	23.5
51. Pays no attention when spoken to	44.0	49.7	28.7	53.2	50.8	57.7	41.9	30.6	24.0	32.7	34.1	27.3	11.8
45. Waves/shakes extremities repeatedly	43.9	53.4	18.2	60.6	58.6	46.8	43.5	51.0	20.0	25.5	17.5	6.1	17.6
17. Odd, bizarre in behavior	43.8	49.7	28.1	45.0	55.9	47.3	46.8	53.1	28.0	30.9	29.3	21.2	29.4
42. Prefers to be alone	43.7	46.4	36.3	27.5	46.1	50.5	48.4	77.6	12.0	36.4	43.9	45.5	35.3
30. Isolates himself/herself from others	42.1	45.5	32.9	39.4	43.0	41.4	50.0	69.4	28.0	27.8	36.6	39.4	35.3
47. Stamps feet/ bang objects/slam doors	41.3	45.3	30.4	39.4	55.5	44.1	43.5	36.7	36.0	36.4	31.7	21.2	17.6
8. Screams inappropriately	41.0	46.3	26.9	53.2	60.2	41.8	35.5	18.4	20.0	40.0	26.8	15.2	17.6
33. Talks to self loudly	40.0	45.3	25.7	33.0	48.8	42.3	60.7	51.0	24.0	30.9	24.4	21.2	23.5
34. Cries over minor annoyances and hurts	40.0	38.5	43.9	46.8	48.4	36.4	27.9	12.2	48.0	58.2	41.5	27.3	29.4
58. Shows few social reactions to others	38.7	40.6	33.5	36.7	47.2	40.5	35.5	38.8	33.3	34.5	36.6	30.3	29.4
12. Preoccupied; stares into space	36.0	37.3	32.7	36.7	43.0	39.6	29.0	28.6	28.0	36.4	31.7	36.4	23.5
41. Cries/screams inappropriately	35.6	39.0	26.3	49.5	48.4	38.7	21.0	14.3	40.0	34.5	24.4	12.1	11.8
48. Constantly runs or jumps around	34.8	42.3	14.6	67.9	53.2	30.9	22.6	8.2	32.0	20.0	12.2	3.0	0.0
26. Resists any form of physical contact	29.7	32.7	21.6	21.1	33.6	32.4	40.3	46.9	12.0	20.0	26.8	27.3	17.6
3. Listless, sluggish, in active	25.6	25.8	25.1	15.6	18.1	33.3	27.4	49.0	8.0	16.4	31.7	36.4	41.2

37. Unresponsive to structured activities	25.4	30.3	12.3	29.6	35.2	28.8	29.0	24.5	4.0	16.4	12.2	12.1	11.8
55. Responds negatively to affection	25.0	25.5	23.5	18.3	32.0	21.6	24.2	34.7	8.3	23.6	22.0	33.3	29.4
2. Injures self on purpose	21.7	25.3	12.3	25.7	28.9	25.2	19.4	22.4	16.0	16.4	9.8	12.1	0.0
23. Does nothing but sit and watch others	21.1	22.7	17.0	14.7	20.3	23.4	31.1	34.7	16.0	12.7	17.1	24.2	17.6
49. Rocks body back and forth repeatedly	21.0	25.9	7.6	19.3	31.3	25.2	22.6	32.7	4.0	9.1	9.8	9.1	0.0
25. Depressed mood	20.7	16.4	32.2	14.7	14.8	14.5	19.4	24.5	16.0	34.5	34.1	36.4	35.3
50. Deliberately hurts himself/herself	19.7	22.9	11.2	19.3	23.4	26.1	17.7	28.6	16.0	12.7	12.5	9.1	0.0
52. Does physical violence to self	16.3	19.0	9.4	20.2	19.5	18.9	14.5	20.4	12.0	12.7	7.3	6.1	5.9
43. Does not try to communicate	16.2	19.6	7.0	28.4	21.1	12.6	17.7	14.3	12.0	5.5	4.9	9.1	5.9
20. Fixed facial expression	15.4	15.5	15.3	12.8	18.9	12.6	14.5	20.4	16.0	11.1	14.6	21.2	17.6
32. Sits/stands in one position for long time	11.6	13.3	7.1	8.3	10.9	16.2	17.7	18.4	4.0	1.8	9.8	12.5	11.8
53. Inactive, never moves spontaneously	9.0	10.0	6.4	8.3	6.3	12.6	11.3	16.3	4.0	3.6	9.8	6.1	11.8
27. Moves or rolls head back and forth	8.9	10.5	4.7	11.0	13.3	7.2	8.1	12.2	0.0	3.6	9.8	3.0	5.9

Legend:

New Subscales
(Text colors)

Irritability

Hyperactivity

Lethargy

Social
Avoidance

Stereotypy

Inappropriate
Speech

Most / least often endorsed
(Cell colors)

Top 10 items
endorsed

Least endorsed 10
items