

Social Health Profile – Spring
Grade 3 /Year 4

Fast Track Project Technical Report
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February 28, 2003

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Citation

Instrument

Werthamer-Larsson, L., Kellam, S. G., & Wheeler, L. (1991). Effect of first-grade classroom environment on shy behavior, aggressive behavior, and concentration problems. *American Journal of Community Psychology*, 19, 585–602.¹

Conduct Problems Prevention Research Group (CPPRG). (1990). *Social Competence Scale (Teacher Version)*. Available from the Fast Track Project Web site, <http://www.fasttrackproject.org>¹

Conduct Problems Prevention Research Group (CPPRG). (1991). *Social Health Profile – Spring*.²

Report

Corrigan, A. (2003). *Social Health Profile – Spring, Grade 3 /Year 4* (Fast Track Project Technical Report). Available from the Fast Track Project Web site, <http://www.fasttrackproject.org/>

Data Sources

Unscored: T4F

Scored: SHS4

I. Scale Description

The Social Health Profile (Spring) is a 41-item measure that assesses a child's ability to work productively and to handle social interactions in a classroom environment. The Social Health Profile was created for the Fast Track Project. The Social Health Profile contains items from the TOCA-R – Teacher Observation of Child Adaptation, Revised (Werthamer-Larsson, et al., 1991) and the Social Competence Scale (CPPRG, 1995).

The Social Health Profile contains 37 behavior-rating items and four additional information items. The TOCA-R contributed 26 of the behavior-rating items. These items estimate several dimensions of behavioral adjustment to school: Cognitive Concentration, Authority Acceptance, and Social Contact. The Social Competence Scale contributed eleven behavior-rating items that assess other facets of social adjustment. The four remaining items ask for the number of days that the child has been absent, whether the child uses tobacco or drugs, and the likelihood that the child will be promoted to the next grade level in the coming year.

¹ Antecedent measure for the Social Health Profile.

² The Social Health Profile discussed in this report.

Each behavior-rating item contains a descriptive phrase such as: “Learns up to ability,” “Teases classmates,” “Initiates interactions with others,” and “Concentrates.” The teacher assesses how well each descriptor is true for a target child. Responses are coded on a six-point scale: “Almost Never (0),” “Rarely (1),” “Sometimes (2),” “Often (3),” “Very Often (4),” and “Almost Always (5).”

Responses to the remaining four items are unscaled. The teacher selects the number of days that the child has been absent during the previous two weeks. For the substance abuse items (Has the child smoked tobacco/used drugs), responses include “No,” “Yes,” and “Don’t know.” The grade level promotion item (“Will the child be promoted...”) has these response choices: “Yes,” “Unsure,” “No-Repeat,” “No-Special Ed.” The four unscaled additional-information items are not included in the scoring routine.

II. Report Sample

This report contains data collected on Cohort 1, Year 4. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total N = 463, including overlap. Of the 463 subjects, 67 are missing all responses, including 44 from the normative group (14 from Durham, 11 from Washington, 6 from Pennsylvania, and 13 from Nashville), and 23 from the control group (10 from Durham, 4 from Nashville, 5 from Pennsylvania, and 4 from Washington), with overlap between the normative and control groups. None of these measures was used in the analyses.

III. Scaling

The Social Health Profile contains the following subscales³:

- Cognitive Concentration: items 2R (self-reliant), 4R (works hard), 7R (learns up to ability), 8 (distractible), 9R (concentrates), 14 R (completes assignments), 16 (poor effort), 17R (eager to learn), 20R (stays on task), 22R (pays attention), 32 (mind wanders), 34R (works well alone)
- Authority Acceptance: items 3 (takes property), 5(yells at others), 6 (fights), 10 (stubborn), 12 (lies), 15 (breaks rules), 19 (teases others), 21 (breaks things), 23 (harms others), 24 (disobedient)
- Social Contact: items 25R (initiates interactions), 26R (plays with others), 28R (social contact with others), 31 (avoids contact)
- Prosocial: items 1R (friendly), 13R (helpful), 18R (resolves peer problems), 33R (understands others), 35R (suggests without bossiness)
- Emotional Regulation: items 11R (controls temper in a disagreement), 27R (appropriate expression of needs/feelings), 29R (thinks before acting), 30R (can calm down)
- Social Competence: a score for the Prosocial and Emotional Regulation items combined.

Three additional subscales are available to score smaller groups of items that reflect the narrowband dimensions of behavior problems. They are:

- Overt Aggression: items 5 (yells), 6 (fights), 19 (teases), 21 (breaks things), 23 (harms others)
- Oppositional: items 10 (stubborn), 15 (breaks rules), 24 (has trouble accepting authority)
- Covert Antisocial: items 3 (takes people’s property), 12 (lies).

Subscale scores are calculated as the mean of item responses. If more than half of the items for a scale are missing responses, the score is not calculated. Measures with all responses missing are not scored.

³ R denotes items that require reversed scoring.

The alpha coefficients for the normative sample and control samples are:

	Normative Sample	Control Sample
Cognitive Concentration Subscale	0.97	0.94
Authority Acceptance Subscale	0.91	0.87
Social Contact Subscale	0.87	0.88
Prosocial Subscale	0.88	0.83
Emotional Regulation Skills Subscale	0.88	0.88
Social Competence Scale (Combined Prosocial/Emotional Reg.)	0.93	0.90
Overt Aggression Narrowband	0.86	0.82
Oppositional Narrowband	0.84	0.74
Covert Antisocial Narrowband	0.74	0.72

IV. Differences Between Groups

T-tests of means on the subscale scores between the normative and control samples yielded the following results:

	Normative Sample		Control Sample		DF	t Value	Pr > t
	Mean	SD	Mean	SD			
Cognitive Concentration Subscale	1.66	1.22	2.58	1.03	406	7.49	<.0001
Authority Acceptance Subscale	0.88	0.82	1.79	0.86	400	10.16	<.0001
Social Contact Subscale	1.20	0.90	1.49	1.00	406	2.92	0.0037
Prosocial Subscale	1.67	1.03	2.52	0.95	406	8.05	<.0001
Emotional Regulation Skills Subscale	1.77	1.17	2.88	1.17	406	8.93	<.0001
Social Competence Scale (Combined Prosocial/Emotional Reg.)	1.72	1.05	2.68	0.98	406	8.91	<.0001
Overt Aggression	0.82	0.83	1.66	0.94	399	9.08	<.0001
Oppositional	1.18	1.12	2.22	1.06	386	8.47	<.0001
Covert Antisocial	0.62	0.89	1.5	1.14	403	8.39	<.0001

V. Recommendations for Use

T-tests of means for subscale scores on the Social Health Profile show significant differences between the normative and control groups for this study year. The internal consistency measure (Cronbach alpha values) indicates that the subscale scores are useful. The Covert Antisocial Narrowband and the Overt Aggression Narrowband subscale distributions show a slight positive skew in the normative group. Researchers should keep in mind that the narrowband subscale scores contain only a few items – the Oppositional subscale contains three items and the Covert Antisocial contains two. The narrowband subscales may be useful in some research studies to focus on narrowband dimensions of behavior problems identified on other measures.

VI. Item and Scale Means and SDs

Means and Standard Deviations for Social Health Profile – Spring: Items Cohort 1, Year 4 Normative Sample

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
T4F1R	Friendly	1.21	343	1.14	0.00	5.00
T4F2R	Self-reliant, Rev.	1.76	342	1.42	0.00	5.00
T4F3	Takes others property	0.65	338	1.03	0.00	4.00
T4F4R	Works hard, Rev.	1.88	343	1.49	0.00	5.00
T4F5	Yells at others	1.32	333	1.31	0.00	4.00
T4F6	Fights	1.14	328	1.24	0.00	4.00
T4F7R	Learns up to ability, Rev	1.83	343	1.43	0.00	5.00
T4F8	Easily distracted	2.02	300	1.34	0.00	4.00
T4F9R	Concentrates, Rev.	1.96	343	1.39	0.00	5.00
T4F10	Stubborn	1.57	309	1.45	0.00	4.00
T4F11R	Controls temper in disagreement, Rev.	2.00	343	1.64	0.00	5.00
T4F12	Lies	0.91	340	1.16	0.00	4.00
T4F13R	Helpful to others, Rev.	1.68	343	1.24	0.00	5.00
T4F14R	Completes assignments, Rev.	1.58	343	1.55	0.00	5.00
T4F15	Breaks Rules	1.26	323	1.28	0.00	4.00
T4F16	Shows poor effort	1.54	322	1.34	0.00	4.00
T4F17R	Eager to learn, Rev.	1.66	343	1.39	0.00	5.00
T4F18R	Resolves peer problems alone, Rev.	2.22	343	1.48	0.00	5.00
T4F19	Teases	1.42	330	1.27	0.00	4.00
T4F20R	On-task, Rev.	1.95	343	1.46	0.00	5.00
T4F21	Breaks things	0.44	342	0.86	0.00	4.00
T4F22R	Pays attention, Rev.	1.86	343	1.39	0.00	5.00
T4F23	Harms others	0.59	340	1.03	0.00	4.00
T4F24	Disobedient	1.15	325	1.23	0.00	4.00
T4F25R	Initiates interactions, Rev.	1.67	342	1.17	0.00	5.00
T4F26R	Plays with others, Rev.	1.19	343	1.04	0.00	5.00
T4F27R	Apprpr. needs/feelings express, Rev.	1.93	343	1.37	0.00	5.00
T4F28R	Social contact w/others, Rev.	1.17	343	1.05	0.00	5.00
T4F29R	Thinks before acting, Rev.	2.17	343	1.44	0.00	5.00
T4F30R	Can calm down, Rev.	1.94	343	1.51	0.00	5.00
T4F31	Avoids social contact	0.93	337	1.05	0.00	4.00
T4F32	Mind wanders	1.93	316	1.32	0.00	4.00
T4F33R	Understands others feelings, Rev.	1.95	343	1.29	0.00	5.00
T4F34R	Works well alone	1.87	343	1.52	0.00	5.00
T4F35R	Suggests w/out bossy	2.05	343	1.42	0.00	5.00

**Means and Standard Deviations for Social Health Profile – Spring: Items
Cohort 1, Year 4 Control Sample**

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
T4F1R	Friendly	1.70	132	1.05	0.00	4.00
T4F2R	Self-reliant, Rev.	2.45	132	1.37	0.00	5.00
T4F3	Takes others property	1.28	127	1.25	0.00	4.00
T4F4R	Works hard, Rev.	2.59	132	1.35	0.00	5.00
T4F5	Yells at others	2.08	120	1.33	0.00	4.00
T4F6	Fights	2.06	116	1.32	0.00	4.00
T4F7R	Learns up to ability, Rev	2.56	131	1.38	0.00	5.00
T4F8	Easily distracted	2.79	96	1.01	0.00	4.00
T4F9R	Concentrates, Rev.	2.68	132	1.15	0.00	5.00
T4F10	Stubborn	2.38	100	1.29	0.00	4.00
T4F11R	Controls temper in disagreement, Rev.	2.85	132	1.59	0.00	5.00
T4F12	Lies	1.64	126	1.27	0.00	4.00
T4F13R	Helpful to others, Rev.	2.19	132	1.21	0.00	5.00
T4F14R	Completes assignments, Rev.	2.27	132	1.58	0.00	5.00
T4F15	Breaks Rules	2.27	116	1.23	0.00	4.00
T4F16	Shows poor effort	2.24	119	1.14	0.00	4.00
T4F17R	Eager to learn, Rev.	2.42	132	1.33	0.00	5.00
T4F18R	Resolves peer problems alone, Rev.	3.13	132	1.37	0.00	5.00
T4F19	Teases	2.15	121	1.24	0.00	4.00
T4F20R	On-task, Rev.	2.80	132	1.24	0.00	5.00
T4F21	Breaks things	0.97	132	1.17	0.00	4.00
T4F22R	Pays attention, Rev.	2.71	132	1.16	0.00	5.00
T4F23	Harms others	1.16	129	1.22	0.00	4.00
T4F24	Disobedient	1.98	116	1.27	0.00	4.00
T4F25R	Initiates interactions, Rev.	1.75	131	1.15	0.00	5.00
T4F26R	Plays with others, Rev.	1.53	132	1.19	0.00	5.00
T4F27R	Apprpr. needs/feelings express, Rev.	2.65	132	1.19	0.00	5.00
T4F28R	Social contact w/others, Rev.	1.50	132	1.16	0.00	5.00
T4F29R	Thinks before acting, Rev.	3.07	132	1.21	0.00	5.00
T4F30R	Can calm down, Rev.	2.95	132	1.43	0.00	5.00
T4F31	Avoids social contact	1.18	130	1.15	0.00	4.00
T4F32	Mind wanders	2.52	118	1.14	0.00	4.00
T4F33R	Understands others feelings, Rev.	2.77	132	1.23	0.00	5.00
T4F34R	Works well alone	2.55	132	1.48	0.00	5.00
T4F35R	Suggests w/out bossy	2.83	132	1.29	0.00	5.00

**Means and Standard Deviations for Social Health Profile – Spring: Subscales
Cohort 1, Year 4, Normative Sample**

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
SHS4OAG	Overt Aggression SHP Narrow Band	0.98	338	0.93	0.00	3.80
SHS4OPP	Oppositional SHP Narrow Band	1.35	328	1.18	0.00	4.00
SHS4CAS	Covert Antisocial SHP Narrow Band	0.80	342	1.01	0.00	4.00
SHS4CCN	Cognitive Concentration	1.85	343	1.25	0.00	4.67
SHS4AAC	Authority Acceptance	1.06	339	0.91	0.00	3.63
SHS4SCN	Social Contact	1.24	343	0.93	0.00	4.67
SHS4PSC	Prosocial	1.82	343	1.08	0.00	4.80
SHS4REG	Emotional Regulation	2.01	343	1.28	0.00	5.00
SHS4SCT	Social Competence Total	1.91	343	1.12	0.00	4.78

**Means and Standard Deviations for Social Health Profile – Spring: Subscales
Cohort 1, Year 4, Control Sample**

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
SHS4OAG	Overt Aggression SHP Narrow Band	1.66	126	0.94	0.00	3.60
SHS4OPP	Oppositional SHP Narrow Band	2.22	115	1.06	0.00	4.00
SHS4CAS	Covert Antisocial SHP Narrow Band	1.50	129	1.14	0.00	4.00
SHS4CCN	Cognitive Concentration	2.58	132	1.03	0.08	4.67
SHS4AAC	Authority Acceptance	1.79	127	0.86	0.00	3.63
SHS4SCN	Social Contact	1.49	132	1.00	0.00	4.25
SHS4PSC	Prosocial	2.53	132	0.95	0.00	4.80
SHS4REG	Emotional Regulation	2.88	132	1.17	0.25	5.00
SHS4SCT	Social Competence Total	2.68	132	0.98	0.11	4.78

VII. Item and Subscale Correlations

**Social Health Profile – Subscale Correlations
Combined Normative and Control Sample**

Pearson Correlation Coefficients, N = 386 Prob > r under H0: Rho=0									
	SHS4OAG	SHS4OPP	SHS4CAS	SHS4CCN	SHS4AAC	SHS4SCN	SHS4PSC	SHS4REG	SHS4SCT
SHS4OAG Overt Aggression Narrow-Band	1.000	0.799 0.000	0.635 0.000	0.477 0.000	0.944 0.000	0.130 0.011	0.625 0.000	0.721 0.000	0.701 0.000
SHS4OPP Oppositional Narrow-Band	0.799 0.000	1.000	0.651 0.000	0.584 0.000	0.924 0.000	0.250 0.000	0.706 0.000	0.782 0.000	0.776 0.000
SHS4CAS Covert Antisocial Narrow-Band	0.635 0.000	0.651 0.000	1.000	0.564 0.000	0.790 0.000	0.280 0.000	0.536 0.000	0.565 0.000	0.575 0.000
SHS4CCN Cognitive Concentration	0.477 0.000	0.584 0.000	0.564 0.000	1.000	0.587 0.000	0.468 0.000	0.743 0.000	0.703 0.000	0.756 0.000
SHS4AAC Authority Acceptance	0.944 0.000	0.924 0.000	0.790 0.000	0.587 0.000	1.000	0.225 0.000	0.701 0.000	0.784 0.000	0.774 0.000
SHS4SCN Social Contact	0.130 0.011	0.250 0.000	0.280 0.000	0.468 0.000	0.225 0.000	1.000	0.565 0.000	0.406 0.000	0.511 0.000
SHS4PSC ProSocial	0.625 0.000	0.706 0.000	0.536 0.000	0.743 0.000	0.701 0.000	0.565 0.000	1.000	0.831 0.000	0.961 0.000
SHS4REG Emotional Regulation Skills	0.721 0.000	0.782 0.000	0.565 0.000	0.703 0.000	0.784 0.000	0.406 0.000	0.831 0.000	1.000	0.953 0.000
SHS4SCT Social Competence Total	0.701 0.000	0.776 0.000	0.575 0.000	0.756 0.000	0.774 0.000	0.511 0.000	0.961 0.000	0.953 0.000	1.000

**Social Health Profile – Item Correlations
Combined Normative and Control Sample**

Pearson Correlation Coefficients, N = 207 Prob > r under H0: Rho=0																				
	T4F1R	T4F2R	T4F3	T4F4R	T4F5	T4F6	T4F7R	T4F8	T4F9R	T4F10	T4F11R	T4F12	T4F13R	T4F14R	T4F15	T4F16	T4F17R	T4F18R	T4F19	T4F20R
T4F1R (RS) Friendly	1.000	0.381 0.000	0.190 0.006	0.335 0.000	0.180 0.009	0.211 0.002	0.366 0.000	0.252 0.000	0.363 0.000	0.294 0.000	0.272 0.000	0.211 0.002	0.605 0.000	0.275 0.000	0.275 0.000	0.288 0.000	0.430 0.000	0.434 0.000	0.243 0.000	0.348 0.000
T4F2R (RS) Self-Reliant	0.381 0.000	1.000	0.380 0.000	0.689 0.000	0.247 0.000	0.281 0.000	0.680 0.000	0.539 0.000	0.714 0.000	0.260 0.000	0.244 0.000	0.312 0.000	0.420 0.000	0.579 0.000	0.348 0.000	0.554 0.000	0.605 0.000	0.562 0.000	0.211 0.002	0.688 0.000
T4F3 Takes Others Property	0.190 0.006	0.380 0.000	1.000	0.401 0.000	0.407 0.000	0.408 0.000	0.393 0.000	0.313 0.000	0.423 0.000	0.389 0.000	0.320 0.000	0.583 0.000	0.279 0.000	0.372 0.000	0.574 0.000	0.382 0.000	0.368 0.000	0.366 0.000	0.379 0.000	0.442 0.000
T4F4R (RS) Works Hard	0.335 0.000	0.689 0.000	0.401 0.000	1.000	0.170 0.014	0.247 0.000	0.788 0.000	0.598 0.000	0.786 0.000	0.165 0.017	0.218 0.002	0.392 0.000	0.433 0.000	0.741 0.000	0.339 0.000	0.690 0.000	0.741 0.000	0.442 0.000	0.207 0.003	0.804 0.000
T4F5 Yells at Others	0.180 0.009	0.247 0.000	0.407 0.000	0.170 0.014	1.000	0.655 0.000	0.171 0.014	0.287 0.000	0.253 0.000	0.525 0.000	0.572 0.000	0.383 0.000	0.191 0.006	0.116 0.097	0.569 0.000	0.174 0.012	0.178 0.010	0.392 0.000	0.596 0.000	0.178 0.010
T4F6 Fights	0.211 0.002	0.281 0.000	0.408 0.000	0.247 0.000	0.655 0.000	1.000	0.269 0.000	0.274 0.000	0.274 0.000	0.544 0.000	0.557 0.000	0.384 0.000	0.290 0.000	0.265 0.000	0.570 0.000	0.233 0.001	0.209 0.002	0.413 0.000	0.537 0.000	0.251 0.000
T4F7R (RS) Learns Up to Ability	0.366 0.000	0.680 0.000	0.393 0.000	0.788 0.000	0.171 0.014	0.269 0.000	1.000	0.609 0.000	0.809 0.000	0.199 0.004	0.256 0.000	0.393 0.000	0.430 0.000	0.670 0.000	0.347 0.000	0.636 0.000	0.766 0.000	0.494 0.000	0.216 0.002	0.765 0.000
T4F8 Easily Distracted	0.252 0.000	0.539 0.000	0.313 0.000	0.598 0.000	0.287 0.000	0.274 0.000	0.609 0.000	1.000	0.658 0.000	0.349 0.000	0.311 0.000	0.381 0.000	0.364 0.000	0.489 0.000	0.379 0.000	0.572 0.000	0.575 0.000	0.354 0.000	0.287 0.000	0.691 0.000
T4F9R (RS) Concentrates	0.363 0.000	0.714 0.000	0.423 0.000	0.786 0.000	0.253 0.000	0.274 0.000	0.809 0.000	0.658 0.000	1.000	0.289 0.000	0.321 0.000	0.405 0.000	0.446 0.000	0.667 0.000	0.382 0.000	0.678 0.000	0.798 0.000	0.589 0.000	0.250 0.000	0.821 0.000
T4F10 Stubborn	0.294 0.000	0.260 0.000	0.389 0.000	0.165 0.017	0.525 0.000	0.544 0.000	0.199 0.004	0.349 0.000	0.289 0.000	1.000	0.590 0.000	0.474 0.000	0.286 0.000	0.199 0.004	0.579 0.000	0.210 0.002	0.237 0.001	0.453 0.000	0.538 0.000	0.257 0.000
T4F11R (RS) Controls Temper in Disagreement	0.272 0.000	0.244 0.000	0.320 0.000	0.218 0.002	0.572 0.000	0.557 0.000	0.256 0.000	0.311 0.000	0.321 0.000	0.590 0.000	1.000	0.324 0.000	0.310 0.000	0.253 0.000	0.544 0.000	0.163 0.019	0.251 0.000	0.502 0.000	0.462 0.000	0.295 0.000
T4F12 Lies	0.211 0.002	0.312 0.000	0.583 0.000	0.392 0.000	0.383 0.000	0.384 0.000	0.393 0.000	0.381 0.000	0.405 0.000	0.474 0.000	0.324 0.000	1.000	0.321 0.000	0.365 0.000	0.566 0.000	0.357 0.000	0.371 0.000	0.279 0.000	0.387 0.000	0.381 0.000
T4F13R (RS) Helpful to Others	0.605 0.000	0.420 0.000	0.279 0.000	0.433 0.000	0.191 0.006	0.290 0.000	0.430 0.000	0.364 0.000	0.446 0.000	0.286 0.000	0.310 0.000	0.321 0.000	1.000	0.467 0.000	0.414 0.000	0.370 0.000	0.502 0.000	0.441 0.000	0.323 0.000	0.454 0.000
T4F14R (RS) Completes Assignments	0.275 0.000	0.579 0.000	0.372 0.000	0.741 0.000	0.116 0.097	0.265 0.000	0.670 0.000	0.489 0.000	0.667 0.000	0.199 0.004	0.253 0.000	0.365 0.000	0.467 0.000	1.000	0.438 0.000	0.652 0.000	0.632 0.000	0.461 0.000	0.178 0.010	0.751 0.000
T4F15 Breaks Rules	0.275 0.000	0.348 0.000	0.574 0.000	0.339 0.000	0.569 0.000	0.570 0.000	0.347 0.000	0.379 0.000	0.382 0.000	0.579 0.000	0.544 0.000	0.566 0.000	0.414 0.000	0.438 0.000	1.000	0.432 0.000	0.354 0.000	0.456 0.000	0.595 0.000	0.379 0.000
T4F16 Shows Poor Effort	0.288 0.000	0.554 0.000	0.382 0.000	0.690 0.000	0.174 0.012	0.233 0.001	0.636 0.000	0.572 0.000	0.678 0.000	0.210 0.002	0.163 0.019	0.357 0.000	0.370 0.000	0.652 0.000	0.432 0.000	1.000	0.647 0.000	0.404 0.000	0.241 0.000	0.704 0.000
T4F17R (RS) Eager to Learn	0.430 0.000	0.605 0.000	0.368 0.000	0.741 0.000	0.178 0.010	0.209 0.002	0.766 0.000	0.575 0.000	0.798 0.000	0.237 0.001	0.251 0.000	0.371 0.000	0.502 0.000	0.632 0.000	0.354 0.000	0.647 0.000	1.000	0.527 0.000	0.218 0.002	0.781 0.000

Pearson Correlation Coefficients, N = 207																				
Prob > r under H0: Rho=0																				
	T4F1R	T4F2R	T4F3	T4F4R	T4F5	T4F6	T4F7R	T4F8	T4F9R	T4F10	T4F11R	T4F12	T4F13R	T4F14R	T4F15	T4F16	T4F17R	T4F18R	T4F19	T4F20R
T4F18R (RS) Resolves Peer Problems Alone	0.434 0.000	0.562 0.000	0.366 0.000	0.442 0.000	0.392 0.000	0.413 0.000	0.494 0.000	0.354 0.000	0.589 0.000	0.453 0.000	0.502 0.000	0.279 0.000	0.441 0.000	0.461 0.000	0.456 0.000	0.404 0.000	0.527 0.000	1.000	0.432 0.000	0.528 0.000
T4F19 Teases	0.243 0.000	0.211 0.002	0.379 0.000	0.207 0.003	0.596 0.000	0.537 0.000	0.216 0.002	0.287 0.000	0.250 0.000	0.538 0.000	0.462 0.000	0.387 0.000	0.323 0.000	0.178 0.010	0.595 0.000	0.241 0.000	0.218 0.002	0.432 0.000	1.000	0.214 0.002
T4F20R (RS) On-Task	0.348 0.000	0.688 0.000	0.442 0.000	0.804 0.000	0.178 0.010	0.251 0.000	0.765 0.000	0.691 0.000	0.821 0.000	0.257 0.000	0.295 0.000	0.381 0.000	0.454 0.000	0.751 0.000	0.379 0.000	0.704 0.000	0.781 0.000	0.528 0.000	0.214 0.002	1.000
T4F21 Breaks Things	0.259 0.000	0.228 0.001	0.385 0.000	0.280 0.000	0.347 0.000	0.398 0.000	0.277 0.000	0.197 0.005	0.280 0.000	0.399 0.000	0.280 0.000	0.412 0.000	0.275 0.000	0.210 0.002	0.410 0.000	0.235 0.001	0.256 0.000	0.294 0.000	0.311 0.000	0.308 0.000
T4F22R (RS) Pays Attention	0.411 0.000	0.663 0.000	0.427 0.000	0.776 0.000	0.218 0.002	0.234 0.001	0.773 0.000	0.674 0.000	0.861 0.000	0.263 0.000	0.294 0.000	0.383 0.000	0.539 0.000	0.734 0.000	0.409 0.000	0.690 0.000	0.792 0.000	0.583 0.000	0.264 0.000	0.883 0.000
T4F23 Harms Others	0.296 0.000	0.278 0.000	0.393 0.000	0.286 0.000	0.451 0.000	0.610 0.000	0.253 0.000	0.206 0.003	0.307 0.000	0.445 0.000	0.454 0.000	0.349 0.000	0.359 0.000	0.391 0.000	0.521 0.000	0.264 0.000	0.247 0.000	0.415 0.000	0.495 0.000	0.275 0.000
T4F24 Disobedient	0.295 0.000	0.333 0.000	0.491 0.000	0.292 0.000	0.575 0.000	0.526 0.000	0.274 0.000	0.393 0.000	0.348 0.000	0.653 0.000	0.590 0.000	0.448 0.000	0.339 0.000	0.339 0.000	0.702 0.000	0.301 0.000	0.342 0.000	0.464 0.000	0.577 0.000	0.374 0.000
T4F25R (RS) Initiates Interactions	0.499 0.000	0.349 0.000	0.017 0.812	0.273 0.000	-0.139 0.046	-0.134 0.055	0.271 0.000	0.132 0.059	0.271 0.000	-0.045 0.520	-0.030 0.664	0.089 0.202	0.443 0.000	0.246 0.000	0.081 0.249	0.209 0.002	0.355 0.000	0.269 0.000	-0.059 0.399	0.321 0.000
T4F26R (RS) Plays With Others	0.518 0.000	0.419 0.000	0.212 0.002	0.359 0.000	-0.005 0.943	-0.000 0.998	0.338 0.000	0.241 0.000	0.346 0.000	0.190 0.006	0.116 0.096	0.249 0.000	0.474 0.000	0.321 0.000	0.241 0.000	0.278 0.000	0.357 0.000	0.381 0.000	0.114 0.101	0.401 0.000
T4F27R (RS) Apprpr. Needs/Feelings Expression	0.500 0.000	0.444 0.000	0.268 0.000	0.416 0.000	0.121 0.084	0.108 0.121	0.438 0.000	0.273 0.000	0.491 0.000	0.251 0.000	0.277 0.000	0.218 0.002	0.485 0.000	0.389 0.000	0.352 0.000	0.362 0.000	0.463 0.000	0.513 0.000	0.274 0.000	0.438 0.000
T4F28R (RS) Social Contact With Others	0.465 0.000	0.414 0.000	0.142 0.042	0.366 0.000	-0.056 0.422	-0.069 0.323	0.359 0.000	0.211 0.002	0.367 0.000	0.103 0.138	0.096 0.170	0.151 0.030	0.433 0.000	0.355 0.000	0.196 0.005	0.302 0.000	0.382 0.000	0.362 0.000	0.068 0.329	0.404 0.000
T4F29R (RS) Thinks Before Acting	0.315 0.000	0.537 0.000	0.511 0.000	0.505 0.000	0.461 0.000	0.403 0.000	0.527 0.000	0.414 0.000	0.607 0.000	0.432 0.000	0.499 0.000	0.404 0.000	0.457 0.000	0.489 0.000	0.564 0.000	0.386 0.000	0.529 0.000	0.594 0.000	0.498 0.000	0.492 0.000
T4F30R (RS) Can Calm Down	0.253 0.000	0.449 0.000	0.419 0.000	0.408 0.000	0.508 0.000	0.489 0.000	0.398 0.000	0.432 0.000	0.465 0.000	0.543 0.000	0.596 0.000	0.374 0.000	0.424 0.000	0.421 0.000	0.611 0.000	0.346 0.000	0.394 0.000	0.612 0.000	0.516 0.000	0.439 0.000
T4F31 Avoids Social Contact	0.393 0.000	0.167 0.016	0.100 0.150	0.102 0.145	-0.004 0.950	-0.090 0.197	0.085 0.225	0.140 0.045	0.090 0.195	0.114 0.101	-0.023 0.738	0.102 0.144	0.298 0.000	0.063 0.370	0.115 0.100	0.124 0.075	0.133 0.057	0.079 0.259	0.048 0.489	0.144 0.039
T4F32 Mind Wanders	0.219 0.002	0.531 0.000	0.332 0.000	0.609 0.000	0.154 0.026	0.146 0.036	0.564 0.000	0.686 0.000	0.637 0.000	0.228 0.001	0.141 0.043	0.329 0.000	0.295 0.000	0.530 0.000	0.331 0.000	0.624 0.000	0.541 0.000	0.312 0.000	0.215 0.002	0.648 0.000
T4F33R (RS) Understands Other's Feelings	0.471 0.000	0.435 0.000	0.351 0.000	0.390 0.000	0.417 0.000	0.430 0.000	0.401 0.000	0.288 0.000	0.459 0.000	0.443 0.000	0.475 0.000	0.314 0.000	0.580 0.000	0.373 0.000	0.454 0.000	0.267 0.000	0.447 0.000	0.618 0.000	0.524 0.000	0.417 0.000
T4F34R (RS) Works Well Alone	0.238 0.001	0.672 0.000	0.331 0.000	0.688 0.000	0.198 0.004	0.236 0.001	0.681 0.000	0.567 0.000	0.684 0.000	0.222 0.001	0.270 0.000	0.295 0.000	0.401 0.000	0.632 0.000	0.370 0.000	0.617 0.000	0.660 0.000	0.516 0.000	0.215 0.002	0.730 0.000
T4F35R (RS) Suggests w/out Bossiness	0.350 0.000	0.399 0.000	0.389 0.000	0.339 0.000	0.439 0.000	0.434 0.000	0.405 0.000	0.267 0.000	0.454 0.000	0.486 0.000	0.470 0.000	0.396 0.000	0.446 0.000	0.338 0.000	0.427 0.000	0.229 0.001	0.352 0.000	0.468 0.000	0.491 0.000	0.374 0.000

	T4F21	T4F22R	T4F23	T4F24	T4F25R	T4F26R	T4F27R	T4F28R	T4F29R	T4F30R	T4F31	T4F32	T4F33R	T4F34R	T4F35R
T4F1R (RS) Friendly	0.259 0.000	0.411 0.000	0.296 0.000	0.295 0.000	0.499 0.000	0.518 0.000	0.500 0.000	0.465 0.000	0.315 0.000	0.253 0.000	0.393 0.000	0.219 0.002	0.471 0.000	0.238 0.001	0.350 0.000
T4F2R (RS) Self-Reliant	0.228 0.001	0.663 0.000	0.278 0.000	0.333 0.000	0.349 0.000	0.419 0.000	0.444 0.000	0.414 0.000	0.537 0.000	0.449 0.000	0.167 0.016	0.531 0.000	0.435 0.000	0.672 0.000	0.399 0.000
T4F3 Takes Others Property	0.385 0.000	0.427 0.000	0.393 0.000	0.491 0.000	0.017 0.812	0.212 0.002	0.268 0.000	0.142 0.042	0.511 0.000	0.419 0.000	0.100 0.150	0.332 0.000	0.351 0.000	0.331 0.000	0.389 0.000
T4F4R (RS) Works Hard	0.280 0.000	0.776 0.000	0.286 0.000	0.292 0.000	0.273 0.000	0.359 0.000	0.416 0.000	0.366 0.000	0.505 0.000	0.408 0.000	0.102 0.145	0.609 0.000	0.390 0.000	0.688 0.000	0.339 0.000
T4F5 Yells at Others	0.347 0.000	0.218 0.002	0.451 0.000	0.575 0.000	-0.139 0.046	-0.005 0.943	0.121 0.084	-0.056 0.422	0.461 0.000	0.508 0.000	-0.004 0.950	0.154 0.026	0.417 0.000	0.198 0.004	0.439 0.000
T4F6 Fights	0.398 0.000	0.234 0.001	0.610 0.000	0.526 0.000	-0.134 0.055	-0.000 0.998	0.108 0.121	-0.069 0.323	0.403 0.000	0.489 0.000	-0.090 0.197	0.146 0.036	0.430 0.000	0.236 0.001	0.434 0.000
T4F7R (RS) Learns Up to Ability	0.277 0.000	0.773 0.000	0.253 0.000	0.274 0.000	0.271 0.000	0.338 0.000	0.438 0.000	0.359 0.000	0.527 0.000	0.398 0.000	0.085 0.225	0.564 0.000	0.401 0.000	0.681 0.000	0.405 0.000
T4F8 Easily Distracted	0.197 0.005	0.674 0.000	0.206 0.003	0.393 0.000	0.132 0.059	0.241 0.000	0.273 0.000	0.211 0.002	0.414 0.000	0.432 0.000	0.140 0.045	0.686 0.000	0.288 0.000	0.567 0.000	0.267 0.000
T4F9R (RS) Concentrates	0.280 0.000	0.861 0.000	0.307 0.000	0.348 0.000	0.271 0.000	0.346 0.000	0.491 0.000	0.367 0.000	0.607 0.000	0.465 0.000	0.090 0.195	0.637 0.000	0.459 0.000	0.684 0.000	0.454 0.000
T4F10 Stubborn	0.399 0.000	0.263 0.000	0.445 0.000	0.653 0.000	-0.045 0.520	0.190 0.006	0.251 0.000	0.103 0.138	0.432 0.000	0.543 0.000	0.114 0.101	0.228 0.001	0.443 0.000	0.222 0.001	0.486 0.000
T4F11R (RS) Controls Temper in Disagreement	0.280 0.000	0.294 0.000	0.454 0.000	0.590 0.000	-0.030 0.664	0.116 0.096	0.277 0.000	0.096 0.170	0.499 0.000	0.596 0.000	-0.023 0.738	0.141 0.043	0.475 0.000	0.270 0.000	0.470 0.000
T4F12 Lies	0.412 0.000	0.383 0.000	0.349 0.000	0.448 0.000	0.089 0.202	0.249 0.000	0.218 0.002	0.151 0.030	0.404 0.000	0.374 0.000	0.102 0.144	0.329 0.000	0.314 0.000	0.295 0.000	0.396 0.000
T4F13R (RS) Helpful to Others	0.275 0.000	0.539 0.000	0.359 0.000	0.339 0.000	0.443 0.000	0.474 0.000	0.485 0.000	0.433 0.000	0.457 0.000	0.424 0.000	0.298 0.000	0.295 0.000	0.580 0.000	0.401 0.000	0.446 0.000
T4F14R (RS) Completes Assignments	0.210 0.002	0.734 0.000	0.391 0.000	0.339 0.000	0.246 0.000	0.321 0.000	0.389 0.000	0.355 0.000	0.489 0.000	0.421 0.000	0.063 0.370	0.530 0.000	0.373 0.000	0.632 0.000	0.338 0.000
T4F15 Breaks Rules	0.410 0.000	0.409 0.000	0.521 0.000	0.702 0.000	0.081 0.249	0.241 0.000	0.352 0.000	0.196 0.005	0.564 0.000	0.611 0.000	0.115 0.100	0.331 0.000	0.454 0.000	0.370 0.000	0.427 0.000
T4F16 Shows Poor Effort	0.235 0.001	0.690 0.000	0.264 0.000	0.301 0.000	0.209 0.002	0.278 0.000	0.362 0.000	0.302 0.000	0.386 0.000	0.346 0.000	0.124 0.075	0.624 0.000	0.267 0.000	0.617 0.000	0.229 0.001
T4F17R (RS) Eager to Learn	0.256 0.000	0.792 0.000	0.247 0.000	0.342 0.000	0.355 0.000	0.357 0.000	0.463 0.000	0.382 0.000	0.529 0.000	0.394 0.000	0.133 0.057	0.541 0.000	0.447 0.000	0.660 0.000	0.352 0.000
T4F18R (RS) Resolves Peer Problems Alone	0.294 0.000	0.583 0.000	0.415 0.000	0.464 0.000	0.269 0.000	0.381 0.000	0.513 0.000	0.362 0.000	0.594 0.000	0.612 0.000	0.079 0.259	0.312 0.000	0.618 0.000	0.516 0.000	0.468 0.000
T4F19 Teases	0.311 0.000	0.264 0.000	0.495 0.000	0.577 0.000	-0.059 0.399	0.114 0.101	0.274 0.000	0.068 0.329	0.498 0.000	0.516 0.000	0.048 0.489	0.215 0.002	0.524 0.000	0.215 0.002	0.491 0.000

	T4F21	T4F22R	T4F23	T4F24	T4F25R	T4F26R	T4F27R	T4F28R	T4F29R	T4F30R	T4F31	T4F32	T4F33R	T4F34R	T4F35R
T4F20R (RS) On-Task	0.308 0.000	0.883 0.000	0.275 0.000	0.374 0.000	0.321 0.000	0.401 0.000	0.438 0.000	0.404 0.000	0.492 0.000	0.439 0.000	0.144 0.039	0.648 0.000	0.417 0.000	0.730 0.000	0.374 0.000
T4F21 Breaks Things	1.000	0.289 0.000	0.438 0.000	0.385 0.000	0.087 0.215	0.216 0.002	0.274 0.000	0.186 0.007	0.321 0.000	0.345 0.000	0.123 0.078	0.180 0.010	0.345 0.000	0.216 0.002	0.326 0.000
T4F22R (RS) Pays Attention	0.289 0.000	1.000	0.293 0.000	0.412 0.000	0.295 0.000	0.410 0.000	0.482 0.000	0.427 0.000	0.554 0.000	0.497 0.000	0.157 0.024	0.684 0.000	0.476 0.000	0.721 0.000	0.416 0.000
T4F23 Harms Others	0.438 0.000	0.293 0.000	1.000	0.502 0.000	0.013 0.848	0.161 0.021	0.301 0.000	0.157 0.023	0.453 0.000	0.478 0.000	-0.020 0.778	0.174 0.012	0.538 0.000	0.332 0.000	0.410 0.000
T4F24 Disobedient	0.385 0.000	0.412 0.000	0.502 0.000	1.000	0.032 0.652	0.212 0.002	0.324 0.000	0.175 0.012	0.530 0.000	0.627 0.000	0.127 0.067	0.331 0.000	0.517 0.000	0.350 0.000	0.522 0.000
T4F25R (RS) Initiates Interactions	0.087 0.215	0.295 0.000	0.013 0.848	0.032 0.652	1.000	0.682 0.000	0.498 0.000	0.658 0.000	0.199 0.004	0.157 0.024	0.431 0.000	0.175 0.012	0.276 0.000	0.248 0.000	0.176 0.011
T4F26R (RS) Plays With Others	0.216 0.002	0.410 0.000	0.161 0.021	0.212 0.002	0.682 0.000	1.000	0.541 0.000	0.776 0.000	0.347 0.000	0.332 0.000	0.489 0.000	0.307 0.000	0.347 0.000	0.355 0.000	0.284 0.000
T4F27R (RS) Apprpr. Needs/Feelings Expression	0.274 0.000	0.482 0.000	0.301 0.000	0.324 0.000	0.498 0.000	0.541 0.000	1.000	0.636 0.000	0.513 0.000	0.403 0.000	0.273 0.000	0.333 0.000	0.540 0.000	0.411 0.000	0.391 0.000
T4F28R (RS) Social Contact With Others	0.186 0.007	0.427 0.000	0.157 0.023	0.175 0.012	0.658 0.000	0.776 0.000	0.636 0.000	1.000	0.280 0.000	0.260 0.000	0.496 0.000	0.309 0.000	0.319 0.000	0.363 0.000	0.234 0.001
T4F29R (RS) Thinks Before Acting	0.321 0.000	0.554 0.000	0.453 0.000	0.530 0.000	0.199 0.004	0.347 0.000	0.513 0.000	0.280 0.000	1.000	0.692 0.000	0.016 0.823	0.425 0.000	0.593 0.000	0.504 0.000	0.581 0.000
T4F30R (RS) Can Calm Down	0.345 0.000	0.497 0.000	0.478 0.000	0.627 0.000	0.157 0.024	0.332 0.000	0.403 0.000	0.260 0.000	0.692 0.000	1.000	0.090 0.198	0.364 0.000	0.624 0.000	0.510 0.000	0.536 0.000
T4F31 Avoids Social Contact	0.123 0.078	0.157 0.024	-0.020 0.778	0.127 0.067	0.431 0.000	0.489 0.000	0.273 0.000	0.496 0.000	0.016 0.823	0.090 0.198	1.000	0.233 0.001	0.121 0.083	0.039 0.581	-0.026 0.709
T4F32 Mind Wanders	0.180 0.010	0.684 0.000	0.174 0.012	0.331 0.000	0.175 0.012	0.307 0.000	0.333 0.000	0.309 0.000	0.425 0.000	0.364 0.000	0.233 0.001	1.000	0.222 0.001	0.594 0.000	0.261 0.000
T4F33R (RS) Understands Other's Feelings	0.345 0.000	0.476 0.000	0.538 0.000	0.517 0.000	0.276 0.000	0.347 0.000	0.540 0.000	0.319 0.000	0.593 0.000	0.624 0.000	0.121 0.083	0.222 0.001	1.000	0.517 0.000	0.593 0.000
T4F34R (RS) Works Well Alone	0.216 0.002	0.721 0.000	0.332 0.000	0.350 0.000	0.248 0.000	0.355 0.000	0.411 0.000	0.363 0.000	0.504 0.000	0.510 0.000	0.039 0.581	0.594 0.000	0.517 0.000	1.000	0.341 0.000
T4F35R (RS) Suggests w/out Bossiness	0.326 0.000	0.416 0.000	0.410 0.000	0.522 0.000	0.176 0.011	0.284 0.000	0.391 0.000	0.234 0.001	0.581 0.000	0.536 0.000	-0.026 0.709	0.261 0.000	0.593 0.000	0.341 0.000	1.000