

## Rochester Early Childhood Assessment Partnership 2021-2022 Twenty-Fifth Annual Report

### Statistical Supplementary Materials

#### T-CRS-sf Disaggregated by Child Characteristics

**Table S1.** T-CRS-sf Disaggregated by Gender, Pre-K-3

Variable	Male			Female			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	384	11.98	3.71	366	13.73	3.49	F=44.266***
Task Orientation T2	399	12.33	3.76	388	13.75	3.46	F=30.335***
Behavior Control T1	384	10.85	4.07	366	12.35	3.75	F=27.642***
Behavior Control T2	399	11.35	4.22	389	12.79	3.79	F=25.670***
Assertiveness T1	384	12.38	4.09	364	13.67	4.12	F=18.473***
Assertiveness Time 2	399	13.38	3.94	389	14.48	3.88	F=15.699***
Peer Social Skills T1	384	14.62	3.43	366	15.72	2.80	F=23.147***
Peer Social Skills T2	399	15.25	3.10	387	16.26	2.54	F=24.754***

**Table S2.** T-CRS-sf Disaggregated by Gender, Pre-K-4

Variable	Male			Female			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	579	11.88	3.93	602	14.01	3.52	F=96.569***
Task Orientation T2	572	12.46	3.88	577	14.34	3.68	F=70.873***
Behavior Control T1	579	11.80	4.09	604	13.25	3.62	F=41.647***
Behavior Control T2	571	12.27	4.11	576	13.52	3.77	F=29.133***
Assertiveness T1	579	13.38	3.84	603	14.76	3.63	F=40.434***
Assertiveness Time 2	572	14.60	3.64	578	15.32	3.50	F=11.539***
Peer Social Skills T1	579	14.82	3.38	604	16.04	2.78	F=45.924***
Peer Social Skills T2	571	15.53	3.22	574	16.37	3.01	F=20.760***

**Table S3. T-CRS-sf Disaggregated by Race, Pre-K-3**

Variable	Asian			Black			Multiracial			Other			White			Test
	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	
Task Orientation T1	19	13.42	3.37	435	12.71	3.74	226	13.09	3.64	4	12.25	3.77	66	12.67	3.86	F=0.567
Task Orientation T2	20	14.55	3.28	440	12.97	3.70	249	13.01	3.64	5	13.80	4.44	73	12.99	3.77	F=0.945
Behavior Control T1	19	13.05	3.36	435	11.33	3.92	226	11.81	4.11	4	11.50	4.80	66	12.06	4.02	F=1.530
Behavior Control T2	21	15.10	2.96	440	11.91	4.14	249	12.10	3.97	5	12.60	3.65	73	11.92	4.07	F=3.144**
Assertiveness T1	19	13.21	4.66	433	13.03	4.15	226	13.01	3.94	4	15.00	7.44	66	12.71	4.55	F=0.327
Assertiveness Time 2	21	13.71	4.83	440	14.01	3.80	249	13.84	4.06	5	15.20	4.44	73	13.67	4.26	F=0.299
Peer Social Skills T1	19	16.26	1.91	435	15.01	3.28	226	15.30	3.02	4	15.25	7.09	66	15.35	3.01	F=0.971
Peer Social Skills T2	20	16.85	2.46	440	15.53	3.00	248	15.96	2.63	5	15.60	4.39	73	16.07	2.94	F=1.910

**Table S4. T-CRS-sf Disaggregated by Race, Pre-K-4**

Variable	Asian			Black			Multiracial			Other			White			Test
	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	<i>N</i>	<i>M</i>	<i>SD</i>	
Task Orientation T1	22	14.00	3.53	685	12.99	3.86	369	12.84	3.85	13	12.77	3.52	92	13.10	4.21	F=0.527
Task Orientation T2	21	13.76	3.90	685	13.36	3.88	352	13.17	3.83	15	13.27	4.40	76	14.78	4.05	F=2.758**
Behavior Control T1	22	13.05	4.09	685	12.61	3.86	371	12.50	3.91	13	12.46	3.99	92	12.11	4.43	F=0.427
Behavior Control T2	21	12.52	3.67	684	13.04	3.92	351	12.62	4.02	15	12.27	4.43	76	13.09	4.47	F=0.818
Assertiveness T1	22	12.82	4.17	686	14.06	3.78	369	14.17	3.76	13	13.92	3.25	92	14.32	4.05	F=0.757
Assertiveness T2	21	14.10	3.77	686	14.87	3.63	352	15.03	3.50	15	15.20	3.10	76	15.67	3.66	F=1.213
Peer Social Skills T1	22	14.73	3.60	685	15.42	3.09	371	15.57	3.12	13	15.85	2.30	92	15.23	3.68	F=0.606
Peer Social Skills T2	21	15.43	3.14	685	15.90	3.04	348	15.95	3.21	15	16.13	4.67	76	16.47	3.38	F=0.725

**Table S5.** T-CRS-sf Disaggregated by Ethnicity, Pre-K-3

Variable	Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	226	13.09	3.64	524	12.73	3.74	F=1.515
Task Orientation T2	249	13.01	3.64	538	13.04	3.70	F=0.007
Behavior Control T1	226	11.81	4.11	524	11.48	3.93	F=1.092
Behavior Control T2	249	12.10	3.97	539	12.04	4.13	F=0.034
Assertiveness T1	226	13.01	3.94	522	13.01	4.24	F=0.000
Assertiveness Time 2	249	13.84	4.06	539	13.96	3.90	F=0.172
Peer Social Skills T1	226	15.30	3.02	524	15.10	3.25	F=0.595
Peer Social Skills T2	248	15.96	2.63	538	15.65	2.99	F=1.858

**Table S6.** T-CRS-sf Disaggregated by Ethnicity, Pre-K-4

Variable	Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	369	12.84	3.85	812	13.03	3.88	F=0.582
Task Orientation T2	352	13.17	3.83	797	13.50	3.92	F=1.739
Behavior Control T1	371	12.50	3.91	812	12.56	3.93	F=0.055
Behavior Control T2	351	12.62	4.02	796	13.02	3.97	F=2.374
Assertiveness T1	369	14.17	3.76	813	14.05	3.81	F=0.249
Assertiveness T2	352	15.03	3.50	798	14.93	3.63	F=0.18
Peer Social Skills T1	371	15.57	3.12	812	15.39	3.16	F=0.866
Peer Social Skills T2	348	15.95	3.21	797	15.95	3.11	F=0.000

## COR+ Disaggregated by Child Characteristics

**Table S7.** COR+ Disaggregated by Gender, Pre-K-3

Variable	Female			Male			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	476	2.34	0.82	501	2.19	0.77	F=9.239***
Social Emotional T1	480	2.36	0.87	499	2.18	0.82	F=10.925***
Phys. Dev. T1	481	2.83	0.82	503	2.74	0.70	F=3.867**
Lang. & Lit. T1	477	2.14	0.69	493	2.04	0.70	F=4.918**
Math T1	458	2.16	0.76	479	2.07	0.71	F=4.114**
Creative Arts T1	478	2.27	0.82	497	2.12	0.76	F=8.353***
Sci. & Tech T1	464	2.16	0.78	493	2.08	0.76	F=2.179
Soc. Studies T1	474	2.25	0.76	494	2.15	0.78	F=3.595*
COR Overall T1	473	2.32	0.70	491	2.21	0.65	F=6.428**
Appr. To Learning T2	467	2.89	0.86	480	2.76	0.84	F=5.241**
Social Emotional T2	477	3.04	0.88	490	2.82	0.89	F=14.898***
Phys. Dev. T2	466	3.41	0.79	475	3.32	0.78	F=3.618*
Lang. & Lit. T2	473	2.71	0.75	489	2.57	0.75	F=7.725***
Math T2	462	2.70	0.71	473	2.61	0.71	F=4.29**
Creative Arts T2	461	2.97	0.84	466	2.81	0.86	F=8.488***
Sci. & Tech T2	445	2.71	0.78	448	2.66	0.78	F=1.089
Soc. Studies T2	460	2.75	0.84	467	2.67	0.83	F=2.294
COR Overall T2	455	2.90	0.72	464	2.77	0.72	F=6.954***
Appr. To Learning T3	476	3.51	0.94	499	3.37	0.97	F=5.811**
Social Emotional T3	479	3.61	0.96	494	3.43	1.02	F=8.391***
Phys. Dev. T3	486	3.94	0.87	503	3.84	0.87	F=3.538*
Lang. & Lit. T3	472	3.22	0.76	495	3.13	0.82	F=3.08*
Math T3	466	3.24	0.81	487	3.19	0.83	F=0.669
Creative Arts T3	477	3.74	0.85	496	3.53	0.97	F=13.991***
Sci. & Tech T3	479	3.48	0.86	497	3.41	0.9	F=1.568
Soc. Studies T3	479	3.48	0.94	493	3.35	0.98	F=4.562**
COR Overall T3	467	3.53	0.77	487	3.41	0.84	F=5.543**

**Table S8. COR+ Disaggregated by Gender, Pre-K-4**

Variable	Female			Male			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	716	2.98	0.75	674	2.82	0.75	F=15.4***
Social Emotional T1	713	3.06	0.79	678	2.82	0.80	F=31.571***
Phys. Dev. T1	719	3.41	0.85	687	3.24	0.73	F=16.14***
Lang. & Lit. T1	707	2.85	0.67	675	2.68	0.71	F=21.011***
Math T1	691	2.76	0.68	662	2.62	0.68	F=14.47***
Creative Arts T1	709	3.07	0.84	677	2.82	0.79	F=33.086***
Sci. & Tech T1	690	2.85	0.83	661	2.69	0.74	F=13.539***
Soc. Studies T1	700	2.92	0.77	673	2.79	0.74	F=10.137***
COR Overall T1	703	2.99	0.67	671	2.81	0.62	F=26.342***
Appr. To Learning T2	699	3.70	0.8	668	3.49	0.79	F=24.421***
Social Emotional T2	701	3.80	0.82	678	3.53	0.84	F=36.972***
Phys. Dev. T2	697	4.18	0.82	676	3.99	0.80	F=18.188***
Lang. & Lit. T2	688	3.52	0.68	664	3.34	0.76	F=22.028***
Math T2	672	3.55	0.75	645	3.38	0.83	F=15.802***
Creative Arts T2	669	3.91	0.84	641	3.61	0.90	F=41.286***
Sci. & Tech T2	678	3.62	0.80	656	3.45	0.87	F=13.014***
Soc. Studies T2	682	3.67	0.86	659	3.49	0.86	F=15.192***
COR Overall T2	680	3.75	0.68	656	3.53	0.72	F=32.442***
Appr. To Learning T3	701	4.35	0.92	656	4.13	0.95	F=19.301***
Social Emotional T3	694	4.45	0.95	653	4.20	0.97	F=24.427***
Phys. Dev. T3	698	4.88	0.92	655	4.65	0.93	F=20.028***
Lang. & Lit. T3	694	4.08	0.83	647	3.93	0.90	F=10.205***
Math T3	675	4.20	0.89	636	4.09	0.97	F=3.931**
Creative Arts T3	681	4.51	0.84	640	4.28	0.92	F=22.613***
Sci. & Tech T3	687	4.37	0.93	647	4.21	0.97	F=9.486***
Soc. Studies T3	693	4.29	1.01	654	4.15	1.03	F=5.483**
COR Overall T3	684	4.39	0.8	645	4.21	0.85	F=16.579***

**Table S9. COR+ Disaggregated by Race, Pre-K-3**

Variable	Asian			Black			Other			Multiracial			White			Test
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	8	2.29	0.21	513	2.30	0.75	76	2.22	0.70	74	2.34	0.94	87	2.25	0.91	F=0.313
Social Emotional T1	8	2.35	0.60	513	2.28	0.83	78	2.08	0.65	71	2.42	1.08	85	2.29	0.95	F=1.548
Phys. Dev. T1	8	3.17	0.71	517	2.80	0.73	78	2.62	0.60	72	2.79	1.05	88	2.72	0.77	F=1.643
Lang. & Lit. T1	8	2.20	0.62	507	2.10	0.66	78	1.98	0.69	69	2.19	0.86	85	2.14	0.76	F=0.996
Math T1	7	2.43	0.34	493	2.12	0.69	76	2.06	0.65	68	2.34	0.94	79	2.09	0.80	F=2.076*
Creative Arts T1	8	2.50	0.58	512	2.22	0.77	78	2.11	0.65	71	2.27	1.04	86	2.24	0.86	F=0.695
Sci. & Tech T1	8	2.66	0.42	506	2.17	0.73	76	1.99	0.68	71	2.11	0.99	81	2.02	0.80	F=2.344*
Soc. Studies T1	8	2.71	0.28	509	2.24	0.75	78	2.07	0.61	71	2.40	0.95	84	2.17	0.77	F=2.685**
COR Overall T1	8	2.54	0.27	507	2.28	0.65	78	2.14	0.54	69	2.37	0.92	84	2.26	0.73	F=1.417
Appr. To Learning T2	8	3.29	0.77	473	2.84	0.83	79	2.70	0.83	68	3.01	0.96	80	2.85	0.89	F=1.719
Social Emotional T2	8	3.28	0.91	473	2.95	0.87	82	2.78	0.83	69	3.01	1.04	88	2.95	0.95	F=1.017
Phys. Dev. T2	8	4.17	0.67	472	3.36	0.76	79	3.28	0.75	67	3.48	0.90	79	3.26	0.76	F=3.113**
Lang. & Lit. T2	8	2.91	0.84	471	2.65	0.74	82	2.49	0.73	68	2.80	0.90	88	2.67	0.79	F=1.801
Math T2	8	3.15	0.52	468	2.65	0.70	79	2.60	0.74	66	2.86	0.74	81	2.64	0.67	F=2.439**
Creative Arts T2	8	3.53	0.80	457	2.86	0.89	80	2.82	0.76	68	3.18	0.89	80	2.90	0.81	F=3.178**
Sci. & Tech T2	8	3.31	0.72	447	2.69	0.80	77	2.67	0.71	62	2.67	0.67	73	2.54	0.81	F=1.944
Soc. Studies T2	8	3.12	0.40	458	2.73	0.86	80	2.58	0.72	67	2.84	0.91	80	2.64	0.85	F=1.578
COR Overall T2	8	3.35	0.59	453	2.84	0.73	79	2.73	0.65	66	3.01	0.84	79	2.82	0.70	F=2.364*
Appr. To Learning T3	8	4.04	1.12	483	3.38	0.86	84	3.23	0.87	68	3.51	1.03	94	3.55	0.98	F=2.784**
Social Emotional T3	8	4.40	1.21	486	3.45	0.93	81	3.37	0.94	67	3.46	1.12	94	3.54	1.02	F=2.235*
Phys. Dev. T3	8	4.92	0.90	494	3.82	0.80	85	3.72	0.88	68	4.00	0.98	94	3.80	0.81	F=4.532***
Lang. & Lit. T3	8	3.77	1.17	476	3.17	0.76	87	2.96	0.78	66	3.22	0.82	94	3.24	0.86	F=3.011**
Math T3	8	3.80	0.65	470	3.17	0.77	81	2.99	0.82	66	3.32	0.86	93	3.32	0.82	F=3.627***
Creative Arts T3	8	4.44	0.84	481	3.57	0.87	87	3.59	0.94	68	3.77	0.84	93	3.63	0.88	F=2.581**
Sci. & Tech T3	8	4.25	1.36	483	3.41	0.80	88	3.24	0.97	68	3.44	0.80	93	3.52	0.86	F=3.299**
Soc. Studies T3	8	4.04	1.09	478	3.41	0.9	87	3.04	0.98	68	3.46	0.99	94	3.48	0.99	F=4.328***
COR Overall T3	8	4.21	0.94	471	3.43	0.75	80	3.29	0.74	67	3.52	0.84	93	3.52	0.80	F=3.236**

**Table S10. COR+ Disaggregated by Race, Pre-K-4**

Variable	Asian			Black			Other			Multiracial			White			Test
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	9	3.07	1.3	728	2.91	0.72	151	2.87	0.79	126	2.89	0.77	114	2.81	0.89	F=0.53
Social Emotional T1	9	3.11	1.75	726	2.96	0.76	151	2.90	0.77	125	2.98	0.74	115	2.86	0.93	F=0.586
Phys. Dev. T1	9	3.44	0.47	733	3.36	0.79	152	3.32	0.85	128	3.24	0.78	116	3.34	0.88	F=0.648
Lang. & Lit. T1	9	3.29	1.54	722	2.78	0.64	149	2.72	0.78	125	2.79	0.69	114	2.85	0.78	F=1.856
Math T1	9	2.84	0.84	716	2.71	0.65	147	2.58	0.63	121	2.68	0.77	114	2.69	0.73	F=1.265
Creative Arts T1	9	2.97	0.70	722	2.98	0.78	148	2.91	0.92	125	3.01	0.82	116	2.96	0.92	F=0.308
Sci. & Tech T1	9	2.83	0.88	715	2.80	0.75	145	2.72	0.82	121	2.81	0.84	116	2.70	0.8	F=0.645
Soc. Studies T1	9	2.74	0.92	720	2.87	0.70	147	2.83	0.77	121	2.85	0.71	116	2.74	0.87	F=0.895
COR Overall T1	9	3.04	0.90	719	2.93	0.60	147	2.86	0.68	122	2.91	0.66	114	2.88	0.75	F=0.476
Appr. To Learning T2	9	3.85	1.29	705	3.61	0.78	142	3.60	0.83	123	3.64	0.73	117	3.56	0.8	F=0.402
Social Emotional T2	9	3.89	1.48	710	3.66	0.84	144	3.69	0.86	124	3.78	0.75	117	3.64	0.81	F=0.689
Phys. Dev. T2	9	4.44	1.29	718	4.10	0.75	143	4.14	0.85	124	4.17	0.75	116	4.06	0.85	F=0.791
Lang. & Lit. T2	9	3.84	1.31	703	3.45	0.71	142	3.46	0.78	114	3.51	0.68	116	3.51	0.67	F=0.951
Math T2	9	4.00	1.07	688	3.48	0.78	138	3.53	0.78	109	3.52	0.79	115	3.47	0.73	F=1.108
Creative Arts T2	9	4.19	1.24	673	3.80	0.86	138	3.78	0.92	115	3.93	0.76	114	3.75	0.88	F=1.136
Sci. & Tech T2	9	3.67	1.30	688	3.56	0.83	140	3.57	0.86	115	3.67	0.80	115	3.48	0.81	F=0.868
Soc. Studies T2	9	3.93	1.50	690	3.61	0.82	141	3.65	0.94	116	3.57	0.81	117	3.53	0.85	F=0.694
COR Overall T2	9	3.98	1.24	688	3.67	0.68	141	3.68	0.74	115	3.7	0.61	116	3.62	0.69	F=0.69
Appr. To Learning T3	8	4.54	0.91	700	4.26	0.90	135	4.28	1.00	123	4.31	0.88	119	4.30	0.94	F=0.323
Social Emotional T3	8	4.58	1.24	695	4.33	0.96	134	4.36	0.91	116	4.42	1.00	120	4.42	0.93	F=0.555
Phys. Dev. T3	8	5.58	0.75	697	4.77	0.91	136	4.79	0.92	123	4.83	0.95	115	4.72	0.84	F=1.811
Lang. & Lit. T3	8	4.34	1.04	691	3.99	0.85	134	4.07	0.85	121	4.03	0.85	114	4.26	0.91	F=2.753**
Math T3	8	4.42	0.88	681	4.13	0.92	128	4.33	0.85	114	4.13	0.87	112	4.39	0.92	F=3.127**
Creative Arts T3	8	4.69	0.91	683	4.42	0.86	133	4.48	0.87	120	4.42	0.80	111	4.52	0.85	F=0.551
Sci. & Tech T3	8	4.50	1.09	689	4.30	0.95	132	4.43	0.94	122	4.36	0.88	113	4.44	0.94	F=1.002
Soc. Studies T3	8	4.54	1.05	692	4.24	0.99	135	4.31	0.96	123	4.26	1.03	115	4.24	1.04	F=0.319
COR Overall T3	8	4.65	0.86	685	4.31	0.81	132	4.38	0.79	121	4.35	0.78	113	4.41	0.79	F=0.825

**Table S11. COR+ Disaggregated by Ethnicity, Pre-K-3**

Variable	Hispanic or Latino			Not Hispanic or Latino			Other			Test
	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	135	2.03	0.77	450	2.27	0.75	45	2.57	0.85	F=9.889***
Social Emotional T1	132	2.02	0.83	446	2.29	0.83	46	2.22	0.85	F=5.411***
Phys. Dev. T1	135	2.56	0.74	452	2.80	0.73	46	2.67	0.91	F=5.467***
Lang. & Lit. T1	132	1.87	0.69	440	2.13	0.69	45	2.12	0.67	F=7.293***
Math T1	120	1.92	0.73	426	2.17	0.72	46	2.04	0.76	F=5.662***
Creative Arts T1	133	2.00	0.79	450	2.25	0.77	45	2.22	0.81	F=5.41***
Sci. & Tech T1	134	1.93	0.78	446	2.18	0.75	44	2.01	0.75	F=5.916***
Soc. Studies T1	133	2.06	0.74	448	2.27	0.75	45	2.12	0.63	F=4.529**
COR Overall T1	131	2.06	0.67	441	2.31	0.67	45	2.25	0.66	F=7.058***
Appr. To Learning T2	136	2.65	0.88	410	2.85	0.85	45	2.93	0.80	F=3.283**
Social Emotional T2	135	2.75	0.90	412	2.97	0.87	47	2.79	0.94	F=3.637**
Phys. Dev. T2	136	3.19	0.81	408	3.35	0.75	46	3.32	0.91	F=2.056
Lang. & Lit. T2	135	2.40	0.76	410	2.67	0.77	47	2.62	0.81	F=5.959***
Math T2	122	2.54	0.72	402	2.67	0.71	47	2.72	0.72	F=1.945
Creative Arts T2	135	2.80	0.83	396	2.88	0.90	45	3.09	0.95	F=1.826
Sci. & Tech T2	121	2.55	0.75	381	2.66	0.83	45	2.59	0.73	F=0.934
Soc. Studies T2	135	2.55	0.83	396	2.72	0.86	45	2.62	0.75	F=2.206
COR Overall T2	133	2.68	0.72	392	2.84	0.73	45	2.82	0.72	F=2.348*
Appr. To Learning T3	144	3.16	0.95	417	3.43	0.88	43	3.08	0.77	F=6.772***
Social Emotional T3	142	3.21	0.90	420	3.49	0.95	43	3.29	0.99	F=4.808***
Phys. Dev. T3	145	3.62	0.83	429	3.83	0.77	43	3.79	0.91	F=3.664**
Lang. & Lit. T3	142	2.87	0.69	410	3.18	0.80	42	3.14	0.64	F=9.143***
Math T3	140	3.00	0.73	404	3.20	0.80	43	3.08	0.73	F=3.587**
Creative Arts T3	143	3.40	0.84	412	3.62	0.87	45	3.50	0.90	F=3.868**
Sci. & Tech T3	144	3.24	0.84	416	3.46	0.86	43	3.19	0.82	F=4.826***
Soc. Studies T3	143	3.08	0.82	412	3.45	0.89	43	3.29	1.03	F=9.219***
COR Overall T3	141	3.19	0.73	405	3.46	0.76	43	3.28	0.75	F=7.166***



**Table S12.** COR+ Disaggregated by Ethnicity, Pre-K-4

Variable	Hispanic or Latino			Not Hispanic or Latino			Other			Test
	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	233	2.86	0.88	612	2.95	0.73	128	2.93	0.73	F=1.046
Social Emotional T1	229	2.90	0.86	613	2.99	0.79	127	2.94	0.75	F=1.006
Phys. Dev. T1	231	3.27	0.82	620	3.44	0.82	129	3.29	0.82	F=4.393**
Lang. & Lit. T1	227	2.74	0.77	608	2.84	0.67	127	2.79	0.66	F=1.964
Math T1	226	2.57	0.66	601	2.77	0.68	127	2.72	0.65	F=7.487***
Creative Arts T1	227	2.88	0.90	610	3.02	0.80	127	3.04	0.85	F=2.548*
Sci. & Tech T1	226	2.73	0.93	603	2.83	0.75	126	2.76	0.72	F=1.618
Soc. Studies T1	226	2.78	0.81	606	2.93	0.69	127	2.84	0.77	F=3.385**
COR Overall T1	226	2.85	0.72	603	2.98	0.61	127	2.92	0.64	F=3.338**
Appr. To Learning T2	220	3.57	0.80	609	3.61	0.78	114	3.75	0.80	F=2.002
Social Emotional T2	225	3.67	0.86	607	3.68	0.83	123	3.72	0.86	F=0.114
Phys. Dev. T2	223	4.13	0.89	611	4.13	0.72	127	4.27	0.92	F=1.749
Lang. & Lit. T2	217	3.42	0.74	600	3.47	0.71	119	3.53	0.74	F=1.125
Math T2	210	3.43	0.78	594	3.52	0.74	112	3.63	0.84	F=2.554*
Creative Arts T2	211	3.79	0.86	587	3.80	0.86	105	4.00	0.91	F=2.573*
Sci. & Tech T2	214	3.54	0.88	596	3.58	0.83	108	3.69	0.83	F=1.203
Soc. Studies T2	216	3.59	0.95	598	3.61	0.80	110	3.81	0.94	F=2.818*
COR Overall T2	215	3.64	0.73	597	3.68	0.67	108	3.83	0.73	F=2.747*
Appr. To Learning T3	215	4.33	0.94	590	4.23	0.92	125	4.38	0.85	F=2.068
Social Emotional T3	210	4.42	0.96	587	4.30	0.95	123	4.51	0.89	F=2.997*
Phys. Dev. T3	213	4.85	0.92	588	4.76	0.92	126	4.84	0.92	F=0.955
Lang. & Lit. T3	210	4.03	0.84	582	4.01	0.84	125	4.23	0.86	F=3.532**
Math T3	200	4.16	0.86	574	4.16	0.92	121	4.37	0.90	F=2.705*
Creative Arts T3	206	4.49	0.82	576	4.44	0.86	125	4.54	0.85	F=0.912
Sci. & Tech T3	207	4.38	0.90	582	4.32	0.91	125	4.44	1.07	F=1.077
Soc. Studies T3	213	4.27	0.94	583	4.25	1.00	125	4.42	1.02	F=1.525
COR Overall T3	206	4.36	0.79	578	4.31	0.81	125	4.47	0.78	F=2.215

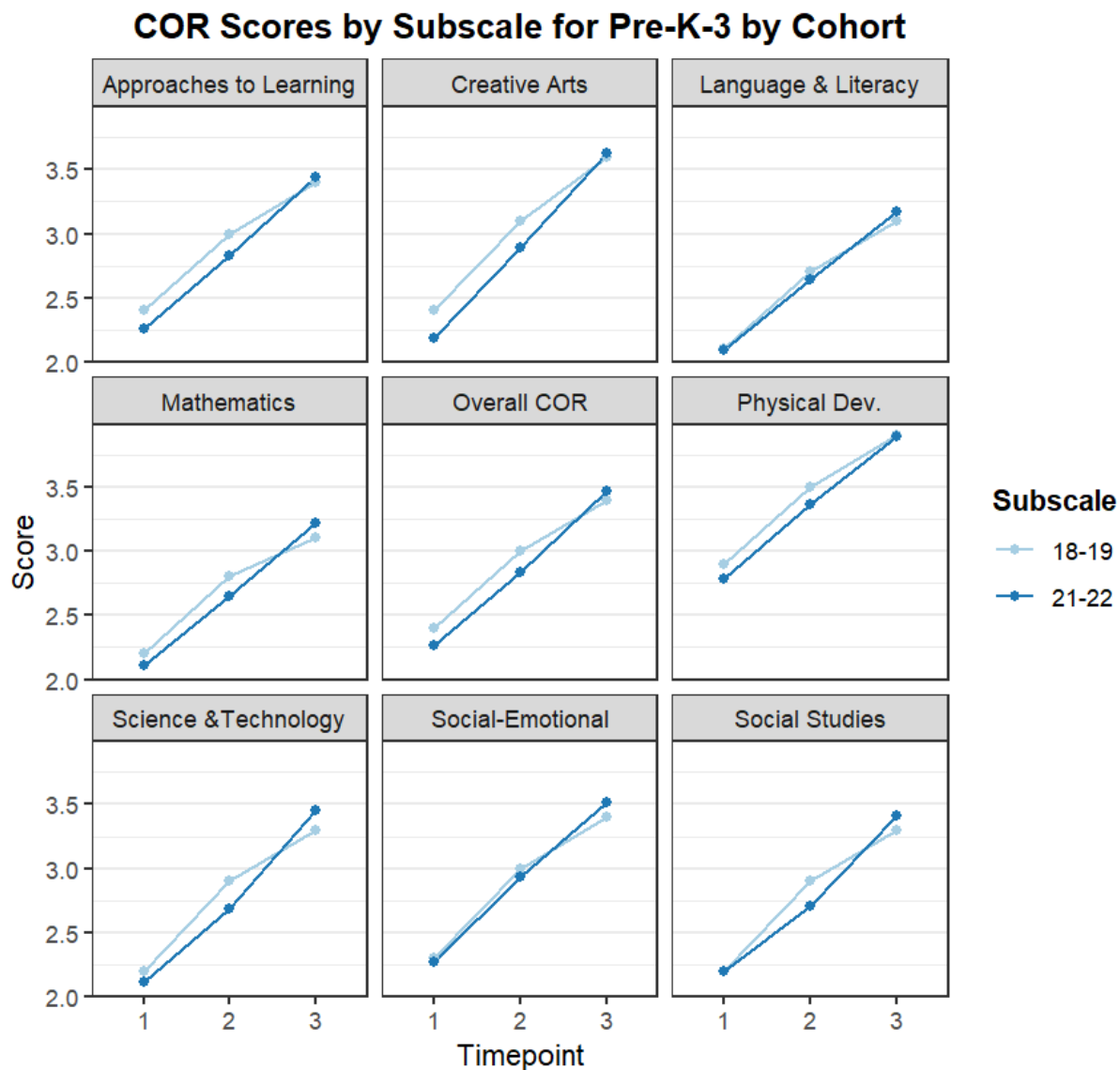
**Table S13. COR+ Disaggregated by Ethnicity and Gender, Pre-K-3**

Variable	Latino female			Latino male			Not Latino female			Not Latino male			Other female			Other male			Test
	N	M	SD	N	M	SD	N	M	SD	N	M	SD	N	M	SD	N	M	SD	
Appr. To Learning T1	69	2.13	0.69	66	1.92	0.84	211	2.33	0.75	239	2.23	0.76	22	2.8	0.92	23	2.35	0.72	F=5.71***
Social Emotional T1	69	2.11	0.81	63	1.93	0.84	209	2.38	0.84	237	2.22	0.81	23	2.45	0.84	23	1.98	0.82	F=4.049***
Phys. Dev. T1	69	2.61	0.71	66	2.52	0.77	213	2.84	0.78	239	2.76	0.67	22	2.86	1.01	24	2.49	0.8	F=3.169***
Lang. & Lit. T1	69	1.96	0.65	63	1.77	0.73	207	2.15	0.67	233	2.1	0.7	22	2.23	0.63	23	2.01	0.7	F=3.776***
Math T1	64	1.99	0.65	56	1.84	0.8	197	2.22	0.74	229	2.13	0.7	22	2.21	0.64	24	1.89	0.83	F=3.287***
Creative Arts T1	68	2.09	0.72	65	1.9	0.85	213	2.29	0.8	237	2.22	0.75	22	2.45	0.76	23	1.99	0.8	F=3.588***
Sci. & Tech T1	69	2.03	0.75	65	1.83	0.81	210	2.22	0.76	236	2.15	0.75	21	2.02	0.67	23	1.99	0.82	F=2.985**
Soc. Studies T1	68	2.18	0.67	65	1.92	0.79	212	2.28	0.74	236	2.25	0.77	22	2.18	0.58	23	2.06	0.69	F=2.726**
COR Overall T1	68	2.14	0.6	63	1.97	0.72	207	2.35	0.68	234	2.27	0.65	22	2.39	0.65	23	2.11	0.66	F=4.054***
Appr. To Learning T2	73	2.65	0.85	63	2.65	0.92	188	2.93	0.85	222	2.78	0.83	23	3.03	0.9	22	2.83	0.68	F=2.113*
Social Emotional T2	73	2.84	0.89	62	2.65	0.91	191	3.12	0.85	221	2.84	0.88	24	2.84	0.83	23	2.73	1.06	F=3.918***
Phys. Dev. T2	73	3.19	0.82	63	3.2	0.79	189	3.42	0.77	219	3.29	0.74	24	3.31	0.97	22	3.33	0.87	F=1.343
Lang. & Lit. T2	73	2.49	0.77	62	2.29	0.75	189	2.75	0.77	221	2.6	0.76	24	2.64	0.69	23	2.6	0.94	F=3.653***
Math T2	65	2.57	0.74	57	2.5	0.7	188	2.77	0.7	214	2.58	0.71	24	2.63	0.62	23	2.82	0.82	F=2.378**
Creative Arts T2	72	2.87	0.82	63	2.71	0.84	185	2.97	0.91	211	2.8	0.9	23	3.14	1.08	22	3.03	0.8	F=1.699
Sci. & Tech T2	65	2.56	0.84	56	2.54	0.63	179	2.73	0.84	202	2.6	0.81	23	2.58	0.63	22	2.61	0.83	F=0.882
Soc. Studies T2	72	2.56	0.87	63	2.53	0.78	184	2.76	0.85	212	2.69	0.86	23	2.59	0.72	22	2.65	0.8	F=1.06
COR Overall T2	70	2.71	0.73	63	2.65	0.7	183	2.92	0.73	209	2.77	0.73	23	2.84	0.69	22	2.8	0.76	F=1.897*
Appr. To Learning T3	72	3.23	0.92	72	3.09	0.98	193	3.51	0.85	224	3.36	0.9	24	3.11	0.87	19	3.04	0.63	F=3.54***
Social Emotional T3	70	3.33	0.9	72	3.1	0.88	198	3.6	0.91	222	3.39	0.99	24	3.38	0.94	19	3.18	1.07	F=3.436***
Phys. Dev. T3	72	3.66	0.89	73	3.59	0.77	202	3.94	0.74	227	3.73	0.79	24	4	0.72	19	3.53	1.07	F=3.755***
Lang. & Lit. T3	69	2.95	0.71	73	2.79	0.68	190	3.23	0.75	220	3.14	0.83	24	3.15	0.74	18	3.12	0.51	F=4.269***
Math T3	69	3.01	0.74	71	3	0.73	187	3.25	0.77	217	3.17	0.82	24	3.19	0.53	19	2.95	0.92	F=1.855
Creative Arts T3	72	3.56	0.74	71	3.23	0.9	191	3.77	0.79	221	3.5	0.92	24	3.71	0.85	21	3.26	0.91	F=5.225***
Sci. & Tech T3	72	3.25	0.84	72	3.22	0.85	193	3.53	0.87	223	3.4	0.85	24	3.28	0.6	19	3.07	1.05	F=2.55**
Soc. Studies T3	72	3.15	0.78	71	3	0.85	193	3.53	0.86	219	3.37	0.92	24	3.51	0.93	19	3.02	1.11	F=5.27***
COR Overall T3	70	3.26	0.72	71	3.13	0.74	188	3.55	0.72	217	3.39	0.79	24	3.42	0.62	19	3.11	0.88	F=4.281***

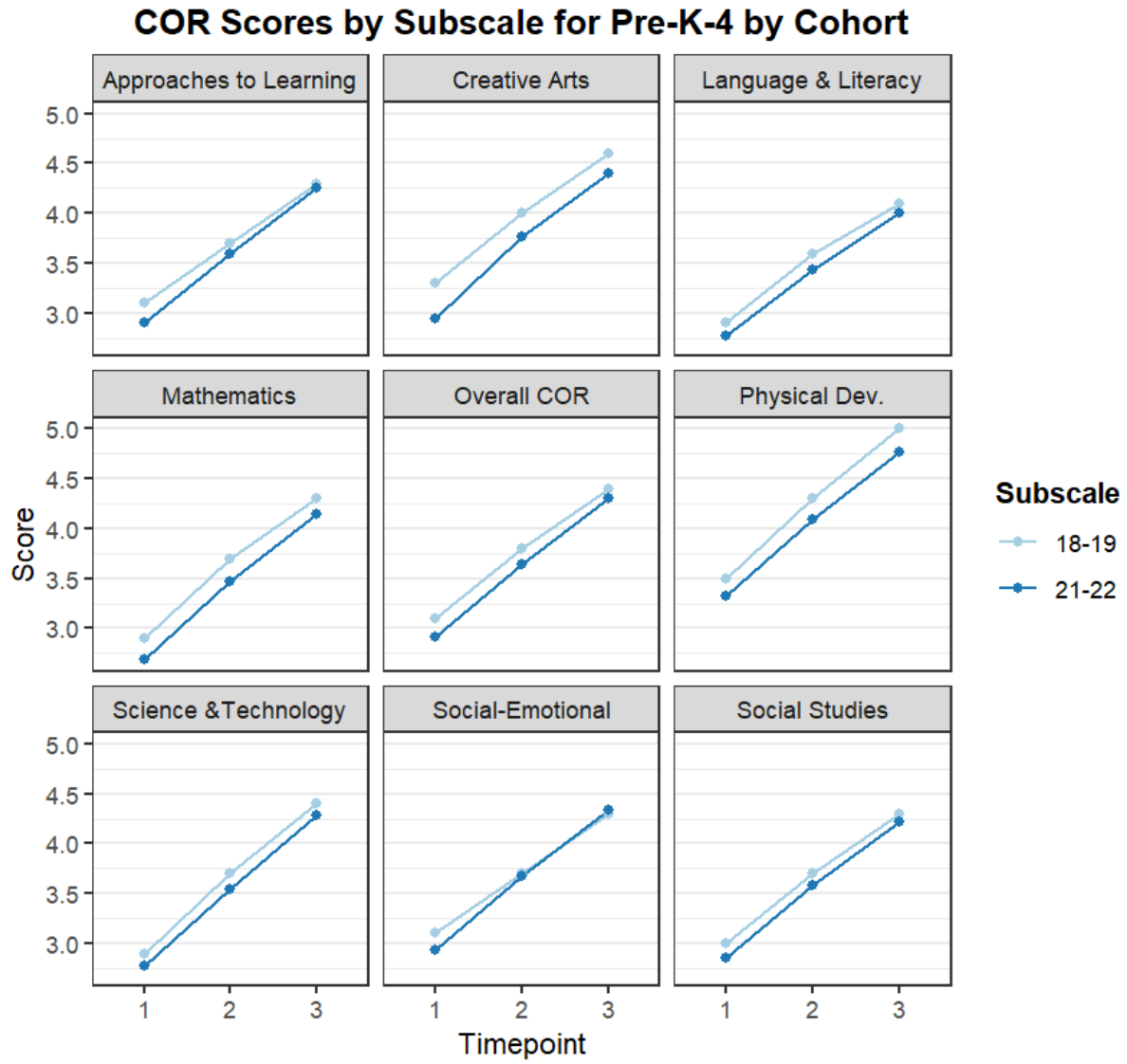
**Table S14. COR+ Disaggregated by Ethnicity and Gender, Pre-K-4**

Variable	Latino female			Latino male			Not Latino female			Not Latino male			Other female			Other male			Test
	N	M	SD	N	M	SD	N	M	SD	N	M	SD	N	M	SD	N	M	SD	
Appr. To Learn. T1	123	2.95	0.86	110	2.77	0.9	321	3.04	0.74	291	2.84	0.71	66	3.06	0.82	62	2.81	0.61	F=3.714***
Social Emotional T1	121	3.02	0.86	108	2.77	0.85	320	3.12	0.78	293	2.84	0.79	65	3.13	0.84	62	2.74	0.6	F=6.929***
Phys. Dev. T1	122	3.31	0.78	109	3.24	0.87	324	3.57	0.9	296	3.3	0.69	66	3.43	0.9	63	3.14	0.69	F=6.054***
Lang. & Lit. T1	120	2.8	0.75	107	2.67	0.79	317	2.94	0.64	291	2.73	0.68	65	2.94	0.7	62	2.64	0.57	F=5.204***
Math T1	119	2.61	0.65	107	2.53	0.67	313	2.88	0.68	288	2.66	0.65	65	2.79	0.69	62	2.64	0.59	F=6.99***
Creative Arts T1	120	2.95	0.88	107	2.8	0.91	318	3.18	0.83	292	2.85	0.73	65	3.23	0.9	62	2.84	0.75	F=7.826***
Sci. & Tech T1	119	2.78	1	107	2.67	0.84	313	2.94	0.78	290	2.72	0.7	65	2.92	0.82	61	2.59	0.56	F=4.442***
Soc. Studies T1	119	2.83	0.81	107	2.73	0.82	314	2.99	0.71	292	2.85	0.67	65	2.98	0.85	62	2.69	0.65	F=3.732***
COR Overall T1	119	2.91	0.72	107	2.78	0.71	314	3.09	0.64	289	2.86	0.56	65	3.07	0.72	62	2.76	0.49	F=7.526***
Appr. To Learn. T2	122	3.69	0.8	98	3.43	0.78	310	3.7	0.79	299	3.51	0.76	58	3.97	0.86	56	3.52	0.67	F=5.764***
Social Emotional T2	122	3.71	0.87	103	3.62	0.84	306	3.83	0.79	301	3.53	0.84	64	3.95	0.92	59	3.46	0.71	F=6.249***
Phys. Dev. T2	121	4.15	0.92	102	4.1	0.85	310	4.25	0.75	301	4.01	0.67	66	4.44	0.9	61	4.08	0.92	F=4.893***
Lang. & Lit. T2	119	3.47	0.72	98	3.34	0.75	301	3.57	0.66	299	3.38	0.74	61	3.7	0.8	58	3.36	0.63	F=4.276***
Math T2	115	3.49	0.76	95	3.36	0.81	298	3.6	0.7	296	3.44	0.77	59	3.81	0.79	53	3.44	0.87	F=3.947***
Creative Arts T2	117	3.91	0.86	94	3.64	0.86	294	3.95	0.81	293	3.65	0.89	54	4.22	0.8	51	3.77	0.97	F=7.14***
Sci. & Tech T2	116	3.57	0.87	98	3.51	0.89	299	3.66	0.77	297	3.51	0.88	56	3.87	0.84	52	3.51	0.78	F=2.525**
Soc. Studies T2	118	3.64	0.98	98	3.54	0.91	300	3.71	0.77	298	3.51	0.82	57	4.03	0.86	53	3.58	0.97	F=4.469***
COR Overall T2	118	3.71	0.75	97	3.56	0.71	300	3.79	0.63	297	3.57	0.68	55	4.04	0.69	53	3.6	0.7	F=7.096***
Appr. To Learn. T3	117	4.37	0.96	98	4.29	0.91	310	4.34	0.86	280	4.1	0.97	67	4.55	0.83	58	4.19	0.83	F=3.968***
Social Emotional T3	116	4.5	0.97	94	4.32	0.95	307	4.39	0.91	280	4.2	0.98	65	4.73	0.83	58	4.26	0.89	F=4.411***
Phys. Dev. T3	117	4.89	0.89	96	4.79	0.95	310	4.89	0.9	278	4.61	0.92	68	4.98	0.95	58	4.68	0.86	F=3.916***
Lang. & Lit. T3	117	4.05	0.83	93	4	0.87	307	4.09	0.79	275	3.92	0.9	67	4.38	0.8	58	4.06	0.9	F=3.454***
Math T3	112	4.18	0.85	88	4.14	0.88	302	4.23	0.85	272	4.09	0.98	64	4.42	0.9	57	4.31	0.9	F=1.825
Creative Arts T3	115	4.56	0.78	91	4.4	0.87	302	4.58	0.76	274	4.28	0.93	68	4.64	0.88	57	4.43	0.81	F=4.517***
Sci. & Tech T3	115	4.39	0.88	92	4.38	0.94	307	4.43	0.87	275	4.18	0.94	67	4.5	1.1	58	4.37	1.03	F=2.679**
Soc. Studies T3	117	4.26	0.92	96	4.28	0.96	306	4.35	0.97	277	4.14	1.03	67	4.5	1.03	58	4.33	1.01	F=2.035*
COR Overall T3	115	4.4	0.78	91	4.31	0.8	304	4.41	0.75	274	4.19	0.86	67	4.6	0.79	58	4.33	0.75	F=3.977***

## COR+ Comparisons Between 2018-19 and 2021-22 by Subscale



Supplemental Figure X. COR scores, by subscale, comparing the 2018-19 and 2021-22 cohorts (Pre-K-3)



Supplemental Figure X. COR scores, by subscale, comparing the 2018-19 and 2021-22 cohorts (Pre-K-4)

## Construct Validity: Associations Between T-CRS with COR+ and Brigrance

### Associations with COR+, Fall

All subscales of the T-CRS-sf correlated significantly with all COR+ subscales and the total score, for both Pre-K-3 and Pre-K-4 students. In general, Assertiveness had the largest correlations with COR+ subscales, and had a medium-sized correlation with the total COR+,  $r = .51$ .

**Table S15.** T-CRS-sf and COR+ Correlations, Pre-K-3, Fall ( $N = 656 - N = 681$ )

	T-CRS Subscale, Fall			
T1 COR Subscale	Task Orientation	Behavior Control	Assertiveness	Peer Social
App. to Learning	.365**	.220**	.549**	.283**
Social Emotional	.431**	.299**	.552**	.386**
Physical Dev.	.315**	.205**	.383**	.241**
Lang. & Literacy	.343**	.195**	.498**	.318**
Math	.329**	.206**	.449**	.296**
Creative Arts	.279**	.177**	.365**	.230**
Science & Tech.	.259**	.180**	.329**	.199**
Soc. Studies	.356**	.257**	.395**	.313**
COR Overall	.385**	.250**	.509**	.327**

**Table S16.** T-CRS-sf and COR+ Correlations, Pre-K-4, Fall ( $N = 1,089 - N = 1,119$ )

	T-CRS Subscale, Fall			
T1 COR Subscale	Task Orientation	Behavior Control	Assertiveness	Peer Social
App. to Learning	.293**	.208**	.449**	.332**
Social Emotional	.343**	.288**	.484**	.431**
Physical Dev.	.263**	.221**	.282**	.328**
Lang. & Literacy	.308**	.214**	.429**	.351**
Math	.326**	.221**	.380**	.359**
Creative Arts	.239**	.183**	.374**	.322**
Science & Tech.	.224**	.176**	.333**	.255**
Soc. Studies	.273**	.229**	.385**	.326**
COR Overall	.331**	.257**	.454**	.396**

### Associations with COR+, Spring

In spring, findings were similar as in fall. That is, there were significant associations between all T-CRS subscales and all COR+ subscales and the total score for both Pre-K-3 and Pre-K-4 students. There was one exception to this, which was the association between T-CRS Behavior Control and COR Social Studies among Pre-K-4 students,  $r = .06$ . In general, associations between social emotional skills and COR+ scores were smaller among Pre-K-4 students in spring compared with Pre-K-3 students in spring and Pre-K-4 students in fall.

**Table S17. T-CRS-sf and COR+ Correlations, Pre-K-3, Spring ( $N = 715 - N = 730$ )**

T3 COR Subscale	T-CRS Subscale, Spring			
	Task Orientation	Behavior Control	Assertiveness	Peer Social
App. to Learning	.336**	.211**	.508**	.312**
Social Emotional	.357**	.259**	.528**	.364**
Physical Dev.	.232**	.134**	.335**	.219**
Lang. & Literacy	.322**	.167**	.499**	.264**
Math	.310**	.151**	.430**	.275**
Creative Arts	.271**	.140**	.440**	.264**
Science & Tech.	.244**	.141**	.435**	.233**
Soc. Studies	.303**	.191**	.444**	.275**
COR Overall	.328**	.197**	.508**	.315**

**Table S18. T-CRS-sf and COR+ Correlations, Pre-K-4, Spring ( $N = 1064 - N = 1095$ )**

T3 COR Subscale	T-CRS Subscale, Spring			
	Task Orientation	Behavior Control	Assertiveness	Peer Social
App. to Learning	.238**	.143**	.389**	.236**
Social Emotional	.291**	.200**	.393**	.290**
Physical Dev.	.208**	.116**	.266**	.187**
Lang. & Literacy	.270**	.122**	.372**	.194**
Math	.234**	.093**	.326**	.188**
Creative Arts	.180**	.081**	.305**	.161**
Science & Tech.	.203**	.072*	.338**	.212**
Soc. Studies	.193**	.059	.327**	.173**
COR Overall	.257**	.127**	.381**	.229**

### Associations with Brigrance

As seen in the tables below, there were significant associations between all T-CRS subscales and Brigrance subscales, including the total Brigrance score. Assertiveness had the highest association with the Brigrance Early Childhood Screen for both Pre-K-3 and Pre-K-4 students.

**Table S19. T-CRS-sf and Brigrance Correlations, Pre-K-3 ( $N = 596 - N = 614$ )**

T-CRS Subscale	Brigrance Subscale			
	Language Dev.	Academic/ Cog.	Physical Dev.	Total
Task Orientation Fall	.409**	.378**	.405**	.482**
Behavior Control Fall	.236**	.261**	.284**	.309**
Assertiveness Fall	.521**	.443**	.369**	.550**
Peer Social Fall	.359**	.320**	.297**	.399**
Task Orientation Spring	.373**	.359**	.344**	.440**
Behavior Control Spring	.226**	.227**	.270**	.291**
Assertiveness Spring	.523**	.416**	.330**	.536**
Peer Social Spring	.262**	.222**	.279**	.314**

Note. \*\* $p < .01$

**Table S20. T-CRS-sf and Brigance Correlations, Pre-K-4 (N = 931 – N = 1,042)**

T-CRS Subscale	Brigance Subscale			
	Language Dev.	Academic/ Cog.	Physical Dev.	Total
Task Orientation Fall	.304**	.362**	.199**	.377**
Behavior Control Fall	.152**	.156**	.143**	.188**
Assertiveness Fall	.428**	.385**	.157**	.439**
Peer Social Fall	.260**	.270**	.170**	.304**
Task Orientation Spring	.278**	.328**	.252**	.369**
Behavior Control Spring	.144**	.153**	.147**	.187**
Assertiveness Spring	.380**	.407**	.205**	.447**
Peer Social Spring	.207**	.230**	.133**	.253**

Note. \*\* $p < .01$

## Structural Equation Model Predicting Kindergarten Readiness

**Table S21. Parameters from the SEM.**

<i>Measurement Model</i>				
COR+ Indicator	<i>B</i>	<i>SE</i>	<i>t</i>	<i>p</i>
Appr. To Learning T1	.796	.010	79.868	.000
Social Emotional T1	.855	.008	109.514	.000
Phys. Dev. T1	.726	.011	63.783	.000
Lang. & Lit. T1	.888	.005	168.709	.000
Math T1	.824	.009	90.154	.000
Creative Arts T1	.848	.008	104.201	.000
Sci. & Tech T1	.835	.008	104.479	.000
Soc. Studies T1	.835	.008	109.623	.000
Brigance Indicator				
Language	.748	.023	31.931	.000
Academic	.796	.027	29.873	.000
<i>Structural Model Predicting Kindergarten Readiness</i>				
Predictor				
Appr. To Learning T1	-.080	.064	-1.252	.211
Social Emotional T1	.104	.065	1.595	.111
Phys. Dev. T1	-.296	.046	-6.430	.000
Lang. & Lit. T1	.107	.069	1.555	.120
Math T1	.231	.065	3.551	.000
Creative Arts T1	-.048	.069	-.702	.483
Sci. & Tech T1	.473	.065	7.226	.000
Soc. Studies T1	-.008	.068	-.118	.906
Brig. Language	-.002	.049	-.046	.964



Brig. Academic	.180	.047	3.851	.000
Sex (Female)	.121	.037	3.238	.001
<b>Covariances</b>				
Brigance with COR	.522	.030	17.709	.000
<b>Intercepts</b>				
Appr. To Learning T1	3.514	.113	31.232	.000
Social Emotional T1	3.171	.109	29.190	.000
Phys. Dev. T1	3.749	.118	31.849	.000
Lang. & Lit. T1	3.579	.114	31.286	.000
Math T1	3.675	.115	31.861	.000
Creative Arts T1	3.101	.117	26.605	.000
Sci. & Tech T1	3.200	.114	28.101	.000
Soc. Studies T1	3.486	.114	30.705	.000
Brig. Language	3.784	.109	34.778	.000
Brig. Academic	2.083	.116	18.025	.000
<b>Thresholds</b>				
Kindergarten Ready	2.369	.190	12.441	.000
<b>Residual Variances</b>				
Appr. To Learning T1	.367	.016	23.151	.000
Social Emotional T1	.269	.013	20.144	.000
Phys. Dev. T1	.472	.017	28.533	.000
Lang. & Lit. T1	.211	.009	22.567	.000
Math T1	.321	.015	21.354	.000
Creative Arts T1	.280	.014	20.295	.000
Sci. & Tech T1	.303	.013	22.743	.000
Soc. Studies T1	.303	.013	23.835	.000
Brig. Language	.440	.035	12.535	.000
Brig. Academic	.366	.042	8.623	.000