

# Rochester Early Childhood Assessment Partnership 2022-2023 Annual Report, Statistical Supplementary Materials

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## 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	392	11.56	4.00	426	13.25	3.68	F=39.516***
Task Orientation T2	389	11.54	4.20	419	13.81	3.76	F=65.558***
Behavior Control T1	391	10.96	4.34	425	12.20	3.91	F=18.465***
Behavior Control T2	387	10.81	4.36	418	12.85	3.83	F=49.974***
Assertiveness T1	392	12.06	4.25	426	13.53	4.12	F=24.944***
Assertiveness Time 2	389	12.97	4.30	418	14.48	4.05	F=26.264***
Peer Social Skills T1	392	14.22	3.68	426	15.71	2.93	F=41.242***
Peer Social Skills T2	389	14.42	3.97	419	16.06	2.91	F=44.994***

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

Variable	Male			Female			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	602	11.89	3.88	605	13.84	3.41	F=85.658***
Task Orientation T2	570	12.22	3.96	588	14.20	3.53	F=80.522***
Behavior Control T1	602	11.48	4.10	604	13.00	3.66	F=45.982***
Behavior Control T2	569	11.60	4.23	587	13.27	3.78	F=50.035***
Assertiveness T1	601	13.08	3.77	605	14.40	3.61	F=38.554***
Assertiveness Time 2	570	14.09	3.89	588	15.27	3.42	F=30.09***
Peer Social Skills T1	601	14.65	3.34	605	15.93	2.75	F=52.446***
Peer Social Skills T2	569	14.83	3.54	588	16.00	2.98	F=37.043***

**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	17	14.47	2.79	487	12.40	3.91	234	12.21	4.01	9	10.78	4.09	69	13.14	3.78	F=2.325*
Task Orientation T2	13	14.00	2.86	476	12.71	4.08	232	12.48	4.40	8	12.50	3.67	76	13.18	3.88	F=0.745
Behavior Control T1	17	14.24	2.31	485	11.50	4.08	234	11.54	4.40	9	9.44	4.04	69	12.17	4.06	F=2.74**
Behavior Control T2	13	13.92	3.07	475	11.83	4.12	231	11.80	4.54	8	11.50	3.85	75	12.03	4.04	F=0.839
Assertiveness T1	17	10.88	3.33	487	13.08	4.18	234	12.35	4.42	9	12.44	5.20	69	13.09	4.00	F=2.129*
Assertiveness Time 2	13	12.08	4.09	475	13.98	4.20	232	13.18	4.50	8	13.62	3.66	76	14.18	3.54	F=2.131*
Peer Social Skills T1	17	16.53	1.46	487	15.08	3.27	234	14.71	3.76	9	15.44	2.88	69	14.91	3.27	F=1.393
Peer Social Skills T2	13	16.92	2.36	476	15.31	3.47	232	15.00	3.80	8	16.25	2.49	76	15.41	3.56	F=1.247

**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	38	13.34	3.72	658	12.89	3.82	398	12.70	3.71	11	11.73	2.72	102	13.37	3.86	F=1.066
Task Orientation T2	32	14.62	3.38	625	13.12	3.92	400	13.07	3.75	11	11.55	3.62	90	14.29	4.12	F=3.55***
Behavior Control T1	38	12.84	3.45	657	12.12	4.00	398	12.39	3.90	11	11.64	3.53	102	12.27	4.18	F=0.584
Behavior Control T2	32	13.69	3.45	624	12.24	4.25	399	12.67	3.73	11	9.55	4.11	90	12.81	4.45	F=3.001**
Assertiveness T1	38	12.58	3.83	658	13.86	3.68	397	13.51	3.81	11	13.18	3.87	102	14.40	3.76	F=2.309*
Assertiveness T2	32	14.03	3.60	625	14.74	3.67	400	14.45	3.73	11	14.09	4.25	90	15.64	3.73	F=2.278*
Peer Social Skills T1	38	14.63	3.41	657	15.32	3.21	398	15.29	2.93	11	15.64	2.77	102	15.26	3.18	F=0.477
Peer Social Skills T2	32	16.16	2.60	625	15.31	3.52	399	15.57	2.94	11	14.45	4.34	90	15.46	3.61	F=1.009

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

Variable	Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	234	12.21	4.01	584	12.53	3.89	F=1.132
Task Orientation T2	232	12.48	4.40	576	12.81	4.02	F=1.031
Behavior Control T1	234	11.54	4.40	582	11.64	4.07	F=0.086
Behavior Control T2	231	11.80	4.54	574	11.90	4.09	F=0.104
Assertiveness T1	234	12.35	4.42	584	13.01	4.16	F=4.044**
Assertiveness Time 2	232	13.18	4.50	575	13.98	4.11	F=5.986**
Peer Social Skills T1	234	14.71	3.76	584	15.11	3.23	F=2.244
Peer Social Skills T2	232	15.00	3.80	576	15.38	3.44	F=1.959

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

Variable	Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Task Orientation T1	398	12.70	3.71	809	12.95	3.81	F=1.247
Task Orientation T2	400	13.07	3.75	758	13.30	3.94	F=0.938
Behavior Control T1	398	12.39	3.90	808	12.16	3.99	F=0.86
Behavior Control T2	399	12.67	3.73	757	12.33	4.26	F=1.769
Assertiveness T1	397	13.51	3.81	809	13.86	3.71	F=2.25
Assertiveness T2	400	14.45	3.73	758	14.81	3.69	F=2.46
Peer Social Skills T1	398	15.29	2.93	808	15.29	3.21	F=0.001
Peer Social Skills T2	399	15.57	2.94	758	15.35	3.51	F=1.154

## COR Advantage Disaggregated by Child Characteristics

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

Variable	Female			Male			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	448	2.45	0.74	420	2.23	0.73	F=7.791***
Social Emotional T1	453	2.48	0.80	427	2.27	0.78	F=8.892***
Phys. Dev. T1	446	2.92	0.76	418	2.73	0.75	F=4.94***
Lang. & Lit. T1	453	2.24	0.63	427	2.09	0.67	F=6.483***
Math T1	451	2.20	0.58	426	2.09	0.63	F=4.797***
Creative Arts T1	447	2.41	0.79	417	2.25	0.78	F=4.763***
Sci. & Tech T1	443	2.27	0.80	417	2.13	0.77	F=2.821**
Soc. Studies T1	445	2.30	0.72	417	2.13	0.71	F=4.577***
COR Overall T1	446	2.40	0.62	416	2.24	0.61	F=7.016***
Appr. To Learning T2	450	3.09	0.81	427	2.78	0.86	F=11.629***
Social Emotional T2	444	3.22	0.86	425	2.86	0.90	F=14.023***
Phys. Dev. T2	450	3.55	0.69	428	3.37	0.73	F=7.448***
Lang. & Lit. T2	441	2.85	0.63	420	2.58	0.74	F=15.631***
Math T2	437	2.81	0.61	415	2.61	0.70	F=12.433***
Creative Arts T2	450	3.15	0.77	427	2.83	0.87	F=15.086***
Sci. & Tech T2	450	2.88	0.69	427	2.69	0.76	F=8.23***
Soc. Studies T2	449	2.95	0.76	426	2.69	0.79	F=9.268***
COR Overall T2	437	3.07	0.62	418	2.81	0.69	F=14.86***
Appr. To Learning T3	469	3.57	0.95	433	3.21	1.02	F=10.552***
Social Emotional T3	465	3.61	0.95	432	3.26	0.99	F=11.261***
Phys. Dev. T3	471	3.99	0.82	433	3.68	0.87	F=11.666***
Lang. & Lit. T3	458	3.26	0.77	429	2.91	0.91	F=15.087***
Math T3	454	3.24	0.75	425	2.98	0.85	F=13.025***
Creative Arts T3	461	3.72	0.91	431	3.30	1.05	F=14.411***
Sci. & Tech T3	456	3.43	0.84	425	3.09	0.95	F=11.1***
Soc. Studies T3	459	3.39	0.89	423	3.09	0.97	F=8.665***
COR Overall T3	455	3.53	0.76	426	3.18	0.86	F=14.873***

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

Variable	Female			Male			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	654	3.06	0.76	645	2.80	0.77	F=35.731***
Social Emotional T1	636	3.15	0.76	632	2.92	0.78	F=27.615***
Phys. Dev. T1	657	3.48	0.78	648	3.30	0.79	F=17.521***
Lang. & Lit. T1	638	2.94	0.65	630	2.75	0.74	F=24.62***
Math T1	639	2.82	0.66	630	2.70	0.73	F=9.641***
Creative Arts T1	657	3.20	0.83	646	2.89	0.89	F=42.49***
Sci. & Tech T1	654	2.95	0.74	643	2.75	0.84	F=20.294***
Soc. Studies T1	648	2.96	0.73	635	2.75	0.79	F=24.546***
COR Overall T1	644	3.08	0.64	633	2.86	0.70	F=32.285***
Appr. To Learning T2	667	3.76	0.82	630	3.56	0.89	F=9.326***
Social Emotional T2	670	3.86	0.80	646	3.63	0.83	F=13.585***
Phys. Dev. T2	657	4.24	0.80	621	4.05	0.78	F=8.852***
Lang. & Lit. T2	665	3.55	0.69	634	3.42	0.75	F=6.159***
Math T2	666	3.58	0.76	638	3.49	0.82	F=4.256**
Creative Arts T2	657	3.95	0.81	619	3.71	0.87	F=13.454***
Sci. & Tech T2	649	3.61	0.78	617	3.53	0.82	F=3.013**
Soc. Studies T2	652	3.70	0.84	619	3.55	0.88	F=6.079***
COR Overall T2	649	3.78	0.69	617	3.62	0.73	F=9.751***
Appr. To Learning T3	673	4.43	0.89	652	4.23	1.04	F=7.452***
Social Emotional T3	662	4.51	0.93	638	4.33	1.05	F=6.397***
Phys. Dev. T3	664	4.95	0.91	650	4.83	1.01	F=2.735*
Lang. & Lit. T3	640	4.16	0.82	617	4.02	0.92	F=5.874***
Math T3	645	4.27	0.87	629	4.21	0.96	F=2.841*
Creative Arts T3	656	4.63	0.86	634	4.39	1.04	F=10.665***
Sci. & Tech T3	657	4.33	0.91	636	4.29	1.02	F=0.608
Soc. Studies T3	663	4.43	0.96	640	4.31	1.08	F=2.314*
COR Overall T3	650	4.46	0.79	625	4.33	0.92	F=4.163**

**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	18	2.13	0.50	535	2.36	0.73	220	2.25	0.73	9	2.04	0.87	86	2.55	0.77	F=3.374***
Social Emotional T1	18	2.13	0.66	543	2.41	0.81	222	2.26	0.75	9	2.33	0.85	88	2.50	0.81	F=2.495**
Phys. Dev. T1	18	2.76	0.45	532	2.86	0.76	219	2.75	0.75	9	2.56	0.94	86	2.89	0.79	F=1.253
Lang. & Lit. T1	18	2.06	0.71	543	2.18	0.66	222	2.08	0.62	9	1.79	0.93	88	2.33	0.66	F=3.262**
Math T1	18	2.14	0.53	540	2.15	0.62	222	2.07	0.56	9	1.84	0.58	88	2.35	0.56	F=3.948***
Creative Arts T1	18	2.07	0.81	532	2.34	0.79	219	2.36	0.81	9	1.69	1.00	86	2.39	0.71	F=2.166*
Sci. & Tech T1	18	2.01	0.67	528	2.22	0.79	219	2.14	0.77	9	1.89	0.65	86	2.36	0.81	F=1.834
Soc. Studies T1	18	2.22	0.43	530	2.23	0.73	219	2.18	0.68	9	1.82	0.75	86	2.33	0.76	F=1.49
COR Overall T1	18	2.19	0.50	530	2.34	0.63	219	2.26	0.60	9	2.00	0.72	86	2.45	0.60	F=2.414**
Appr. To Learning T2	18	2.80	0.85	538	2.94	0.82	226	2.86	0.90	9	2.67	0.91	85	3.17	0.86	F=2.429**
Social Emotional T2	18	2.92	0.83	534	3.07	0.90	223	2.91	0.88	8	3.00	0.89	85	3.25	0.86	F=2.719**
Phys. Dev. T2	18	3.35	0.52	539	3.49	0.72	226	3.39	0.74	9	3.41	0.92	85	3.48	0.65	F=0.897
Lang. & Lit. T2	18	2.61	0.81	528	2.77	0.68	221	2.54	0.70	8	2.55	0.67	85	2.87	0.67	F=5.693***
Math T2	18	2.59	0.70	525	2.74	0.65	216	2.60	0.65	8	2.63	0.81	84	2.88	0.66	F=3.403***
Creative Arts T2	18	2.78	0.79	538	3.03	0.82	226	2.92	0.87	9	2.97	0.93	85	3.05	0.79	F=1.053
Sci. & Tech T2	18	2.68	0.58	539	2.81	0.73	225	2.71	0.73	9	2.81	0.66	85	2.88	0.72	F=1.211
Soc. Studies T2	18	2.61	0.33	536	2.88	0.78	226	2.69	0.81	9	2.70	0.89	85	2.91	0.83	F=2.756**
COR Overall T2	18	2.79	0.57	521	2.98	0.65	222	2.83	0.69	8	2.93	0.74	85	3.06	0.65	F=2.955**
Appr. To Learning T3	17	3.02	0.79	536	3.45	1.00	248	3.24	1.03	9	3.22	0.85	90	3.61	0.94	F=3.567***
Social Emotional T3	16	3.21	0.92	532	3.49	0.97	248	3.28	1.03	9	3.47	0.49	90	3.67	0.93	F=3.507***
Phys. Dev. T3	17	3.78	0.56	537	3.88	0.89	250	3.76	0.82	9	3.70	0.77	89	3.91	0.77	F=0.983
Lang. & Lit. T3	16	3.03	1.11	526	3.15	0.83	248	2.92	0.85	8	2.71	1.37	87	3.29	0.86	F=4.867***
Math T3	16	2.76	0.83	525	3.17	0.81	246	3.00	0.79	8	2.83	0.83	82	3.25	0.82	F=3.489***
Creative Arts T3	16	3.09	0.97	531	3.57	1.00	250	3.43	1.04	8	3.28	0.85	85	3.58	0.92	F=1.729
Sci. & Tech T3	16	3.02	0.79	528	3.29	0.90	246	3.17	0.93	8	3.28	0.66	81	3.49	0.92	F=2.261*
Soc. Studies T3	16	2.79	0.80	528	3.30	0.91	246	3.09	1.00	9	3.15	0.78	81	3.50	0.93	F=4.503***
COR Overall T3	16	3.07	0.74	527	3.41	0.82	246	3.23	0.84	8	3.22	0.81	82	3.51	0.79	F=3.204**

**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	38	2.65	0.93	729	2.93	0.74	402	2.92	0.79	12	2.81	0.76	118	3.12	0.82	F=3.147**
Social Emotional T1	36	2.81	1.04	707	3.03	0.75	395	3.03	0.77	12	3.08	0.94	118	3.20	0.80	F=2.094*
Phys. Dev. T1	38	3.17	0.95	734	3.41	0.73	403	3.38	0.88	12	3.19	0.56	118	3.44	0.77	F=1.165
Lang. & Lit. T1	36	2.73	0.97	709	2.88	0.68	393	2.76	0.71	12	2.67	0.73	118	2.97	0.71	F=3.25**
Math T1	36	2.56	1.01	711	2.77	0.68	392	2.71	0.70	12	2.65	0.74	118	2.91	0.68	F=2.765**
Creative Arts T1	38	2.66	1.04	734	3.06	0.84	401	3.07	0.92	12	2.90	0.86	118	3.03	0.87	F=2.151*
Sci. & Tech T1	37	2.59	1.06	731	2.87	0.75	399	2.83	0.86	12	2.69	0.64	118	2.93	0.71	F=1.623
Soc. Studies T1	38	2.59	1.04	718	2.87	0.73	396	2.84	0.83	12	2.75	0.67	119	2.90	0.68	F=1.465
COR Overall T1	37	2.72	0.93	714	2.98	0.64	396	2.95	0.72	12	2.84	0.67	118	3.06	0.65	F=2.186*
Appr. To Learning T2	35	3.31	1.07	737	3.66	0.83	398	3.64	0.85	11	3.46	0.86	116	3.86	0.93	F=3.332**
Social Emotional T2	34	3.28	1.22	735	3.74	0.79	420	3.78	0.83	11	3.47	1.02	116	3.80	0.76	F=3.436***
Phys. Dev. T2	35	3.96	1.05	719	4.15	0.75	398	4.19	0.84	11	3.82	0.85	115	4.09	0.80	F=1.406
Lang. & Lit. T2	35	3.28	1.03	720	3.48	0.69	420	3.46	0.70	11	3.31	0.76	113	3.65	0.80	F=2.468**
Math T2	35	3.30	1.14	727	3.53	0.77	417	3.52	0.76	11	3.40	1.00	114	3.70	0.85	F=2.132*
Creative Arts T2	35	3.51	1.13	718	3.82	0.83	397	3.91	0.82	11	3.66	1.04	115	3.82	0.86	F=2.198*
Sci. & Tech T2	35	3.21	1.17	715	3.58	0.80	393	3.58	0.78	11	3.39	0.71	112	3.59	0.74	F=1.969*
Soc. Studies T2	35	3.33	1.15	716	3.66	0.87	396	3.61	0.85	11	3.39	0.99	113	3.59	0.78	F=1.582
COR Overall T2	35	3.40	1.03	713	3.70	0.69	394	3.71	0.70	11	3.49	0.85	113	3.77	0.71	F=2.148*
Appr. To Learning T3	39	4.07	1.20	714	4.33	0.95	433	4.35	0.99	12	4.44	0.92	127	4.34	0.96	F=0.823
Social Emotional T3	39	4.20	1.24	700	4.38	0.99	425	4.47	0.98	12	4.55	1.06	124	4.52	0.95	F=1.369
Phys. Dev. T3	39	4.54	1.11	712	4.89	0.96	426	4.93	0.96	12	4.86	1.21	125	4.87	0.88	F=1.51
Lang. & Lit. T3	37	4.11	1.22	684	4.07	0.83	408	4.07	0.90	12	4.06	0.97	116	4.29	0.88	F=1.715
Math T3	36	4.12	1.17	693	4.22	0.87	415	4.24	0.94	12	4.27	1.02	118	4.44	0.97	F=1.626
Creative Arts T3	39	4.21	1.19	697	4.49	0.94	420	4.59	0.99	12	4.60	1.15	122	4.45	0.90	F=1.834
Sci. & Tech T3	37	4.15	1.15	700	4.31	0.95	422	4.32	0.97	12	4.35	1.25	122	4.40	0.94	F=0.5
Soc. Studies T3	39	4.15	1.29	705	4.34	0.98	423	4.45	1.06	12	4.31	1.30	124	4.39	1.03	F=1.231
COR Overall T3	37	4.20	1.12	687	4.38	0.83	418	4.43	0.87	12	4.43	1.04	121	4.46	0.83	F=0.892



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

Variable	Hispanic or Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	220	2.25	0.73	658	2.38	0.75	F=5.138**
Social Emotional T1	222	2.26	0.75	668	2.43	0.81	F=7.504***
Phys. Dev. T1	219	2.75	0.75	655	2.86	0.76	F=3.454*
Lang. & Lit. T1	222	2.08	0.62	668	2.20	0.67	F=5.684**
Math T1	222	2.07	0.56	665	2.18	0.62	F=5.057**
Creative Arts T1	219	2.36	0.81	655	2.34	0.79	F=0.176
Sci. & Tech T1	219	2.14	0.77	651	2.23	0.79	F=2.046
Soc. Studies T1	219	2.18	0.68	653	2.24	0.73	F=1.323
COR Overall T1	219	2.26	0.60	653	2.35	0.63	F=3.656*
Appr. To Learning T2	226	2.86	0.90	660	2.97	0.83	F=2.725*
Social Emotional T2	223	2.91	0.88	655	3.10	0.90	F=7.736***
Phys. Dev. T2	226	3.39	0.74	661	3.49	0.71	F=3.317*
Lang. & Lit. T2	221	2.54	0.70	649	2.79	0.69	F=21.184***
Math T2	216	2.60	0.65	645	2.76	0.67	F=10.212***
Creative Arts T2	226	2.92	0.87	660	3.03	0.82	F=3.136*
Sci. & Tech T2	225	2.71	0.73	661	2.82	0.73	F=4.326**
Soc. Studies T2	226	2.69	0.81	658	2.88	0.77	F=9.105***
COR Overall T2	222	2.83	0.69	642	2.99	0.66	F=10.251***
Appr. To Learning T3	248	3.24	1.03	665	3.46	0.99	F=8.59***
Social Emotional T3	248	3.28	1.03	660	3.52	0.97	F=10.598***
Phys. Dev. T3	250	3.76	0.82	665	3.88	0.88	F=3.697*
Lang. & Lit. T3	248	2.92	0.85	650	3.17	0.87	F=15.655***
Math T3	246	3.00	0.79	644	3.18	0.83	F=8.774***
Creative Arts T3	250	3.43	1.04	653	3.56	0.99	F=3.157*
Sci. & Tech T3	246	3.17	0.93	646	3.32	0.91	F=4.315**
Soc. Studies T3	246	3.09	1.00	647	3.31	0.92	F=9.863***
COR Overall T3	246	3.23	0.84	646	3.42	0.83	F=9.192***

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

Variable	Hispanic or Latino			Other			Test
	N	Mean	SD	N	Mean	SD	
Appr. To Learning T1	402	2.92	0.79	897	2.94	0.76	F=0.188
Social Emotional T1	395	3.03	0.77	873	3.04	0.78	F=0.108
Phys. Dev. T1	403	3.38	0.88	902	3.40	0.75	F=0.116
Lang. & Lit. T1	393	2.76	0.71	875	2.88	0.70	F=8.132***
Math T1	392	2.71	0.70	877	2.78	0.70	F=2.609
Creative Arts T1	401	3.07	0.92	902	3.04	0.85	F=0.405
Sci. & Tech T1	399	2.83	0.86	898	2.86	0.76	F=0.486
Soc. Studies T1	396	2.84	0.83	887	2.86	0.74	F=0.264
COR Overall T1	396	2.95	0.72	881	2.98	0.66	F=0.74
Appr. To Learning T2	398	3.64	0.85	900	3.67	0.86	F=0.471
Social Emotional T2	420	3.78	0.83	897	3.73	0.81	F=1.306
Phys. Dev. T2	398	4.19	0.84	881	4.13	0.78	F=1.82
Lang. & Lit. T2	420	3.46	0.70	880	3.49	0.73	F=0.678
Math T2	417	3.52	0.76	888	3.54	0.81	F=0.20
Creative Arts T2	397	3.91	0.82	880	3.81	0.86	F=3.905**
Sci. & Tech T2	393	3.58	0.78	874	3.56	0.81	F=0.178
Soc. Studies T2	396	3.61	0.85	876	3.63	0.87	F=0.271
COR Overall T2	394	3.71	0.70	873	3.70	0.71	F=0.086
Appr. To Learning T3	433	4.35	0.99	894	4.32	0.96	F=0.454
Social Emotional T3	425	4.47	0.98	877	4.39	1.00	F=1.542
Phys. Dev. T3	426	4.93	0.96	890	4.87	0.96	F=1.207
Lang. & Lit. T3	408	4.07	0.90	851	4.10	0.86	F=0.474
Math T3	415	4.24	0.94	861	4.24	0.90	F=0.001
Creative Arts T3	420	4.59	0.99	872	4.48	0.95	F=3.689*
Sci. & Tech T3	422	4.32	0.97	873	4.31	0.96	F=0.004
Soc. Studies T3	423	4.45	1.06	882	4.34	1.01	F=3.219*
COR Overall T3	418	4.43	0.87	859	4.38	0.85	F=0.811

## Associations with Brigance Early Childhood Screen

A repeated measures ANOVA was conducted to determine whether change in COR+ scores over time differed by categorical screening status on the Brigance (i.e., determine need for formal evaluation; monitor closely; functioning in normal range; possibly talented and may need enhanced work). See Tables S13-14 and Figures S1-S2. The COR overall score varied significantly by Brigance screening status in the expected directions.

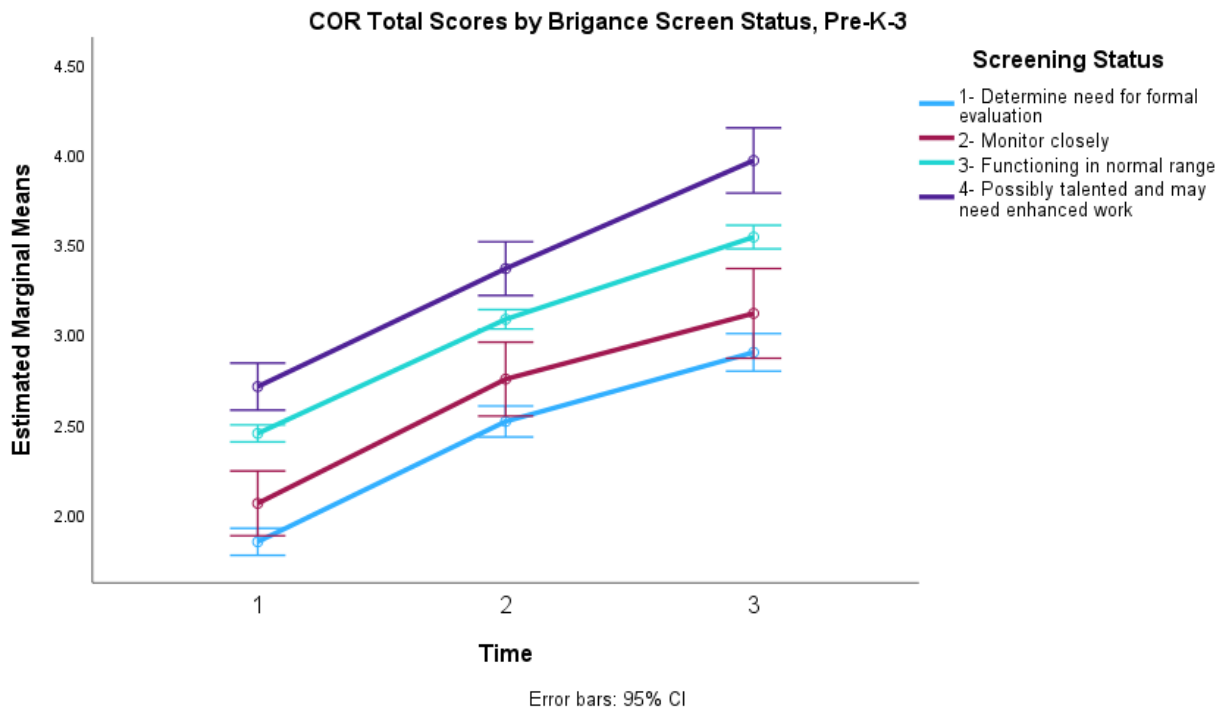


Figure S1. COR Total Scores by Brigance Screen Status, Pre-K-3

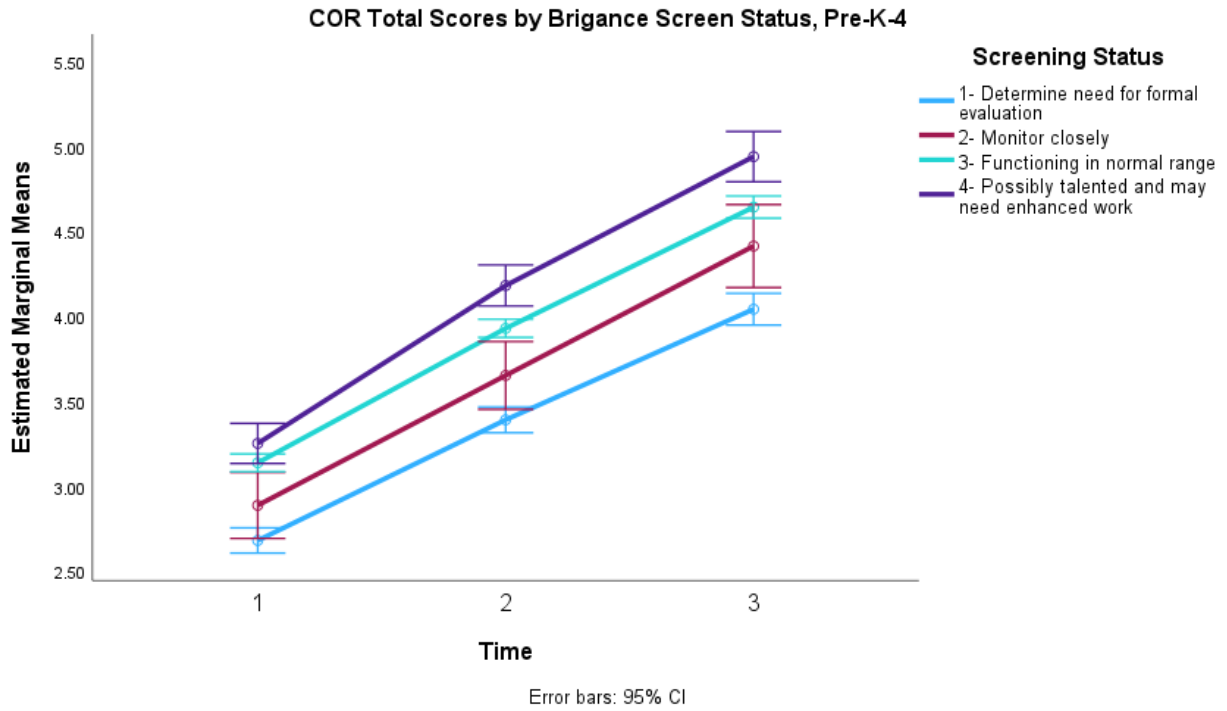


Figure S2. COR Total Scores by Brigance Screen Status, Pre-K-4

Table S13. Repeated measures ANOVA, COR+ (overall score) by Brigance Screening Status, Pre-K-3

Source	SS	df	F	p
Time (within)	164.86	2	743.45	<.001
Brigance screening (between)	172.59	3	71.10	<.001
Time*Screening	1.40	6	2.10	.05

Table S14. Repeated measures ANOVA, COR+ (overall score) by Brigance Screening Status, Pre-K-4

Source	SS	df	F	p
Time (within)	431.45	2	1503.59	<.001
Brigance screening (between)	187.61	3	60.72	<.001
Time*Screening	4.34	6	5.04	<.001

## Supplemental Family Survey Results

**Table S15. How caregivers accessed the Family Survey, breakdowns by school-type, grade-level, and overall.**

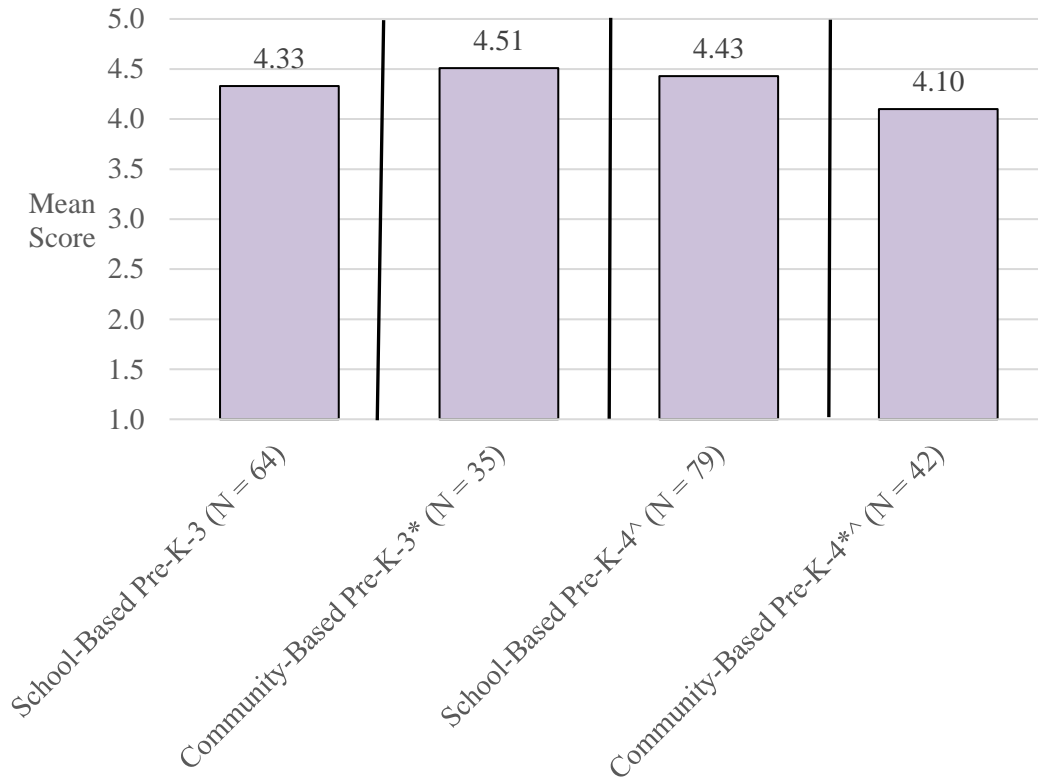
How did you access this survey?	School-Based Pre-K-3 (N = 65)		Community-Based Pre-K-3 (N = 35)		School-Based Pre-K-4 (N = 80)		Community-Based Pre-K-4 (N = 44)		Overall (N = 224)	
	%	N	%	N	%	N	%	N	%	N
Posted flyer QR code	4.6%	3	5.7%	2	6.3%	5	4.5%	2	5.4%	12
Link on the RCSD Early Childhood website	1.5%	1	0.0%	0	1.3%	1	0.0%	0	0.9%	2
Link sent to my email	63.1%	41	48.6%	17	56.3%	45	65.9%	29	58.9%	132
Link texted to me	26.2%	17	40.0%	14	28.8%	23	25.0%	11	29.0%	65
Link posted on SeeSaw	4.6%	3	2.9%	1	5.0%	4	2.3%	1	4.0%	9
Link on Twitter	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Link on Facebook	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Robocall	0.0%	0	0.0%	0	1.3%	1	0.0%	0	0.4%	1
Staff member inputting answers from a paper survey	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Other	0.0%	0	2.9%	1	1.3%	1	2.3%	1	1.3%	3

**Table S16. Frequency Distribution and Mean of Caregiver-Reported Teacher and Family Relationship Quality, breakdowns by school-type, grade-level, and overall.**

How would you describe your relationship with your child's teacher?	1 (Worst)		2		3		4		5 (Best)		Mean
	%	N	%	N	%	N	%	N	%	N	
School-Based Pre-K-3 (N = 64)	1.6%	1	4.7%	3	12.5%	8	21.9%	14	59.4%	38	4.33
Community-Based Pre-K-3* (N = 35)	0.0%	0	2.9%	1	2.9%	1	34.3%	12	60.0%	21	4.51
School-Based Pre-K-4^ (N = 79)	0.0%	0	7.6%	6	7.6%	6	19.0%	15	65.8%	52	4.43
Community-Based Pre-K-4*^ (N = 42)	0.0%	0	4.8%	2	21.4%	9	33.3%	14	40.5%	17	4.10

*Note.* An online Mann-Whitney *U* statistical test revealed a significant difference between responses from community-based pre-K-3 and community-based pre-K-4 parents and caregivers ( $p < 0.05^*$ ) and between responses from school-based pre-K-4 and community-based pre-K-4 parents and caregivers ( $p < 0.05^*$ ). Figure S3 is a graphical representation of the results presented in this table.

**FTRQ-Family** comparison of score means for caregiver-reported family and teacher relationship quality in 2022-23 for different respondent types



**Figure S3. FTRQ-Family** comparison of score means for caregiver-reported family and teacher relationship quality for 2022-23 between different respondent groups (school-based pre-K-3, community-based pre-K-3, school-based pre-K-4, community-based pre-K-4)

**Table S17. Source of parent information about RCSD pre-K breakdowns by school-type, grade-level, and overall.**

How did you find out about our Pre-K program? Select all that apply.	School-Based Pre-K-3 (N = 63)		Community-Based Pre-K-3 (N = 33)		School-Based Pre-K-4 (N = 74)		Community-Based Pre-K-4 (N = 40)		Overall (N = 210)	
	%	N	%	N	%	N	%	N	%	N
Relative	28.6%	18	21.2%	7	20.3%	15	15.0%	6	21.9%	46
Friend	30.2%	19	24.2%	8	24.3%	18	45.0%	18	30.0%	63
Neighbor	6.3%	4	9.1%	3	5.4%	4	17.5%	7	8.6%	18
Print ad	11.1%	7	15.2%	5	9.5%	7	2.5%	1	9.5%	20
Bus ad	9.5%	6	21.2%	7	6.8%	5	2.5%	1	9.0%	19
Sign on vehicle other than a bus	3.2%	2	0.0%	0	6.8%	5	2.5%	1	3.8%	8
TV	9.5%	6	15.2%	5	6.8%	5	12.5%	5	10.0%	21
WDKX	6.3%	4	6.1%	2	1.4%	1	0.0%	0	3.3%	7
The Beat 105.5	4.8%	3	6.1%	2	1.4%	1	0.0%	0	2.9%	6
Social media (Facebook, Twitter, Instagram, etc.)	14.3%	9	12.1%	4	2.7%	2	7.5%	3	8.6%	18
PODER 97.1	0.0%	0	0.0%	0	2.7%	2	0.0%	0	1.0%	2
La Mega 97.5	1.6%	1	0.0%	0	2.7%	2	0.0%	0	1.4%	3
Lawn sign	3.2%	2	3.0%	1	0.0%	0	5.0%	2	2.4%	5
Other	34.9%	22	30.3%	10	43.2%	32	25.0%	10	35.2%	74

*Note.* Other included: online/search (7), child attended child care at location (12), connected to employment (7), RCSD/program list (13), early intervention/therapist/social worker (8), other child at location or parent attended location (19), live near location (4), newspaper (2), RACF (1), non-word (1)

**Table S18. Number of program personnel with whom families are communicating, breakdowns by school-type and grade-level.**

How many preschool staff do you feel comfortable talking with about your concerns?	No one		1		2		3		More than 3	
	%	N	%	N	%	N	%	N	%	N
School-Based Pre-K-3 (N = 64)	10.9%	7	12.5%	8	23.4%	15	18.8%	12	34.4%	22
Community-Based Pre-K-3 (N = 35)	2.9%	1	2.9%	1	20.0%	7	17.1%	6	57.1%	20
School-Based Pre-K-4 (N = 80)	5.0%	4	13.8%	11	18.8%	15	20.0%	16	42.5%	34
Community-Based Pre-K-4 (N = 44)	4.5%	2	9.1%	4	18.2%	8	15.9%	7	52.3%	23

**Table S19. Family preference of communication type with their child’s teacher, breakdowns by school-type and grade-level.**

How would you prefer to communicate with your child’s teacher? Select all that apply.	School-Based Pre-K-3 (N = 64)		Community-Based Pre-K-3 (N = 35)		School-Based Pre-K-4 (N = 80)		Community-Based Pre-K-4 (N = 44)	
	Percent	N	Percent	N	Percent	N	Percent	N
In person	89.1%	57	97.1%	34	90.0%	72	84.1%	37
Texting	64.1%	41	51.4%	18	72.5%	58	61.4%	27
Email	50.0%	32	37.1%	13	56.3%	45	68.2%	30
Classroom communication app (examples: SeeSaw or ClassDojo)	50.0%	32	54.3%	19	56.3%	45	56.8%	25
Phone Call	42.2%	27	60.0%	21	57.5%	46	40.9%	18
Other	3.1%	2	5.7%	2	2.5%	2	2.3%	1

*Note.* Other included: not communicating (2), with help of English-speaking friend (1), Brightwheel App (1), notes brought home (1), talking points (1), video (1)

**Table S20. How often families look at books with their children, breakdowns by school-type and grade-level.**

How often do you look at books with your child?	Almost never		Monthly		1-2 times a week		3-4 times a week		Daily	
	%	N	%	N	%	N	%	N	%	N
School-Based Pre-K-3 (N = 64)	1.6%	1	7.8%	5	23.4%	15	18.8%	12	48.4%	31
Community-Based Pre-K-3 (N = 35)	0.0%	0	0.0%	0	25.7%	9	20.0%	7	54.3%	19
School-Based Pre-K-4 (N = 80)	1.3%	1	5.0%	4	22.5%	18	15.0%	12	56.3%	45
Community-Based Pre-K-4 (N = 44)	2.3%	1	6.8%	3	11.4%	5	13.6%	6	65.9%	29

**Table S21. Number of emergency room visits in the past year, breakdowns by school-type and grade-level.**

How many Emergency Room visits has your child had in the past year?	None		1 visit		2 visits		3 or more visits	
	%	N	%	N	%	N	%	N
School-Based Pre-K-3 (N = 64)	46.9%	30	28.1%	18	12.5%	8	12.5%	8
Community-Based Pre-K-3 (N = 35)	77.1%	27	11.4%	4	5.7%	2	5.7%	2
School-Based Pre-K-4 (N = 80)	65.0%	52	16.3%	13	12.5%	10	6.3%	5
Community-Based Pre-K-4 (N = 44)	77.3%	34	13.6%	6	6.8%	3	2.3%	1



**Table S22. Frequency of doctor visits (non-emergency), breakdowns by school-type and grade-level.**

When was the last time your child... saw a doctor? (not an emergency room doctor)	Never		More than two years ago		More than one year ago		Within the past year		Within the past 6 months		Unsure	
	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>
School-Based Pre-K-3 ( <i>N</i> = 62)	1.6%	1	1.6%	1	12.9%	8	22.6%	14	61.3%	38	0.0%	0
Community-Based Pre-K-3 ( <i>N</i> = 35)	0.0%	0	2.9%	1	5.7%	2	8.6%	3	82.9%	29	0.0%	0
School-Based Pre-K-4 ( <i>N</i> = 78)	2.6%	2	3.8%	3	11.5%	9	19.2%	15	62.8%	49	0.0%	0
Community-Based Pre-K-4 ( <i>N</i> = 44)	0.0%	0	0.0%	0	9.1%	4	9.1%	4	81.8%	36	0.0%	0

**Table S23. Frequency of dental visits, breakdowns by school-type and grade-level.**

When was the last time your child... saw a dentist?	Never		More than two years ago		More than one year ago		Within the past year		Within the past 6 months		Unsure	
	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>	%	<i>N</i>
School-Based Pre-K-3 ( <i>N</i> = 62)	24.2%	5	3.2%	2	9.7%	6	16.1%	10	45.2%	28	1.6%	1
Community-Based Pre-K-3 ( <i>N</i> = 34)	14.7%	5	0.0%	0	5.9%	2	5.9%	2	73.5%	25	0.0%	0
School-Based Pre-K-4 ( <i>N</i> = 78)	11.5%	9	1.3%	1	14.1%	11	11.5%	9	60.3%	47	1.3%	1
Community-Based Pre-K-4 ( <i>N</i> = 44)	6.8%	3	2.3%	1	4.5%	2	11.4%	5	75.0%	33	0.0%	0

**Table S24. Child adjustment to school, breakdowns by school-type and grade-level.**

Overall, how well is your child adjusting to school this year?	Excellent		Good		Fair		Poor	
	Percent	<i>N</i>	Percent	<i>N</i>	Percent	<i>N</i>	Percent	<i>N</i>
School-Based Pre-K-3 ( <i>N</i> = 64)	65.6%	42	29.7%	19	1.6%	1	3.1%	2
Community-Based Pre-K-3 ( <i>N</i> = 35)	68.6%	24	31.4%	11	0.0%	0	0.0%	0
School-Based Pre-K-4 ( <i>N</i> = 80)	75.0%	60	15.0%	12	7.5%	6	2.5%	2
Community-Based Pre-K-4 ( <i>N</i> = 44)	59.1%	26	34.1%	15	4.5%	2	2.3%	1

**Table S25. Descriptive words parents selected to describe their children’s preschool experience, breakdowns by school-type and grade-level.**

Which words best describe your child’s preschool experiences so far this school year? Select all that apply.	School-Based Pre-K-3 (N = 63)		Community-Based Pre-K-3 (N = 35)		School-Based Pre-K-4 (N = 80)		Community-Based Pre-K-4 (N = 44)	
	Percent	N	Percent	N	Percent	N	Percent	N
Educational	81.0%	51	77.1%	27	82.5%	66	88.6%	39
Social	88.9%	56	97.1%	34	76.3%	61	93.2%	41
Supportive	76.2%	48	85.7%	30	80.0%	64	86.4%	38
Comforting	63.5%	40	62.9%	22	70.0%	56	59.1%	26
Joyful	73.0%	46	77.1%	27	78.8%	63	79.5%	35
Frustrating	9.5%	6	8.6%	3	8.8%	7	15.9%	7
Unhappy	3.2%	2	5.7%	2	3.8%	3	6.8%	3
Other	7.9%	5	8.6%	3	5.0%	4	18.2%	8

*Note.* Other included: stressful (1), inappropriate (1), not transparent (1), independent without community-building (1), learning to adapt/journey (2), challenging (1), stimulating (1), thought provoking (1), friendship (1), fun (1), engaging (1), motivating (1), love teachers (2), understanding (1), new (1), negative interactions with staff (2), bullied (1)

**Table S26. Loss of a close family member in the past year, breakdowns by school-type and grade-level.**

	No		Yes	
	%	N	%	N
School-Based Pre-K-3 (N = 64)	76.6%	49	23.4%	15
Community-Based Pre-K-3 (N = 35)	80.0%	28	20.0%	7
School-Based Pre-K-4 (N = 80)	82.5%	66	17.5%	14
Community-Based Pre-K-4 (N = 44)	77.3%	34	22.7%	10

**Table S27. Family areas of need, breakdowns by school-type and grade-level.**

Are there areas your family has needs? Select all that apply.	School-Based Pre-K-3 (N = 58)		Community-Based Pre-K-3 (N = 35)		School-Based Pre-K-4 (N = 76)		Community-Based Pre-K-4 (N = 38)	
	%	N	%	N	%	N	%	N
No	53.4%	31	74.3%	26	59.2%	45	78.9%	30
Food	13.8%	8	5.7%	2	9.2%	7	13.2%	5
Healthcare	5.2%	3	2.9%	1	2.6%	2	5.3%	2
Parental employment	5.2%	3	2.9%	1	7.9%	6	2.6%	1
A more stable place to live	5.2%	3	5.7%	2	13.2%	10	5.3%	2
Child care	22.4%	13	11.4%	4	17.1%	13	7.9%	3
Clothing	5.2%	3	8.6%	3	9.2%	7	5.3%	2
Reliable transportation	20.7%	12	8.6%	3	18.4%	14	5.3%	2
Someone to talk with about my needs	5.2%	3	8.6%	3	5.3%	4	2.6%	1
Other	8.6%	5	2.9%	1	2.6%	2	0.0%	0

*Note.* Other included: child activities/clubs (1), referral to special education school (1), before/after/closed school care not linked to income (3), help with legal action (1), more sense of community with staff, teachers, and other parents (1), advice navigating difficult conversations with children (1)

**Table S28. Grade given to the child's teacher, breakdowns by school-type and grade-level.**

What grade would you give your child's... Teacher?	Excellent (A)		Good (B)		Average (C)		Poor (D)		Unacceptable (F)	
	%	N	%	N	%	N	%	N	%	N
School-Based Pre-K-3 (N = 64)	78.1%	50	14.1%	9	6.3%	4	0.0%	0	1.6%	1
Community-Based Pre-K-3 (N = 35)	65.7%	23	25.7%	9	5.7%	2	0.0%	0	2.9%	1
School-Based Pre-K-4 (N = 79)	78.5%	62	11.4%	9	7.6%	6	1.3%	1	1.3%	1
Community-Based Pre-K-4 (N = 44)	72.7%	32	15.9%	7	6.8%	3	4.5%	2	0.0%	0

**Table S29. Grade given to the child's preschool program overall, breakdowns by school-type, grade-level, and overall.**

What grade would you give your child's... Preschool program overall?	Excellent (A)		Good (B)		Average (C)		Poor (D)		Unacceptable (F)	
	%	N	%	N	%	N	%	N	%	N
School-Based Pre-K-3 (N = 64)	60.9%	39	25.0%	16	10.9%	7	0.0%	0	3.1%	2
Community-Based Pre-K-3 (N = 35)	51.4%	18	34.3%	12	11.4%	4	2.9%	1	0.0%	0
School-Based Pre-K-4 (N = 80)	71.3%	57	17.5%	14	5.0%	4	2.5%	2	3.8%	3
Community-Based Pre-K-4 (N = 44)	63.6%	28	20.5%	9	11.4%	5	2.3%	1	2.3%	1
Overall (N = 223)	63.7%	142	22.9%	51	9.0%	20	1.8%	4	2.7%	6