

Table A.1
Child care quality measurements

	Round 2 N = 1650		Round 3 N = 2900		Round 4 N = 700	
	Mean	SD	Mean	SD	Mean	SD
Number books	54.50	89.26	110.89	169.35	111.58	164.06
Number records/tapes/CDs	17.53	25.54	.	.	.	.
Number soft toys	21.53	24.27	.	.	.	.
Number push/pull toys	10.70	16.96	.	.	.	.
How often talk to child? ¹	3.60	0.60	.	.	.	.
Hours of TV?	.	.	0.47	1.00	4.74	19.79
How often read books to child? ²	3.50	0.83	6.34	4.69	5.86	3.86
How often tell stories to child? ²	3.06	1.09	4.24	3.63	4.18	3.28
How often sing songs to child? ²	3.60	0.76	7.10	6.87	6.46	6.99
Ask questions about story? ³	0.91	1.44	3.21	0.85	.	.
Play chasing games? ⁴	2.85	1.41	.	.	.	.
Computer?	.	.	1.39	0.49	1.34	0.47
Play games/puzzles?	.	.	4.26	3.33	4.11	2.95
Build something?	.	.	3.55	2.99	3.46	2.72
Walk to yard/park/playground? ⁴	2.14	1.21	.	.	.	.
Visit zoo, aquarium, or petting farm? ⁵	0.12	0.32	.	.	.	.
Visited art gallery, museum, or historical site? ⁵	0.06	0.23	.	.	.	.
Visited library? ⁵	0.14	0.35	.	.	.	.
Reading area? ⁵	.	.	0.75	0.43	0.79	0.41
Listening center? ⁵	.	.	0.53	0.50	0.62	0.49
Writing center? ⁵	.	.	0.71	0.45	0.78	0.42
Pocket board? ⁵	.	.	0.62	0.49	.	.
Math area? ⁵	.	.	0.73	0.45	0.75	0.43
Blocks? ⁵	.	.	0.75	0.43	0.78	0.41
Puzzle area? ⁵	.	.	0.63	0.48	0.79	0.41
Water area? ⁵	.	.	0.70	0.46	0.65	0.48
Drama area? ⁵	.	.	0.74	0.44	0.74	0.44
Art area? ⁵	.	.	0.52	0.50	0.78	0.42
Private area? ⁵	.	.	4.13	1.29	.	.
Work on learning names of letters? ⁶	.	.	3.46	1.60	4.43	1.01
Practice writing the letters of the alphabet? ⁶	.	.	3.95	1.36	3.93	1.21
Discuss new words? ⁶	.	.	3.61	1.47	4.24	1.07
Tell stories to a caregiver/teacher/provider? ⁶	.	.	4.00	1.38	3.74	1.29
Work on phonics or phonemics? ⁶	.	.	4.13	1.29	4.02	1.30
Listen to stories and see print? ⁶	.	.	2.18	2.10	4.25	1.15
Listen to stories and don't see print? ⁶	.	.	3.10	1.50	2.90	1.72
Retell stories? ⁶	.	.	3.44	1.77	3.32	1.27
Learn about conventions of print? ⁶	.	.	3.90	1.55	3.86	1.41
Write own name? ⁶	.	.	3.00	1.64	4.44	1.05
Learn about rhyming words and word families? ⁶	.	.	4.58	0.89	3.28	1.33
Count out loud? ⁶	.	.	3.84	1.39	4.75	0.68
Work with geometric manipulatives? ⁶	.	.	3.51	1.64	3.88	1.24
Work with counting manipulatives? ⁶	.	.	3.19	1.56	3.86	1.29
Play math-related games? ⁶	.	.	2.45	1.80	3.46	1.31
Music for math concepts? ⁶	.	.	2.21	1.77	2.78	1.46
Creative movement for math concepts? ⁶	.	.	2.41	1.68	2.49	1.43
Work with measuring instruments? ⁶	.	.	3.79	1.84	2.67	1.35
Calendar activities? ⁶	.	.	2.20	1.97	4.30	1.34
Telling time activities? ⁶	.	.	3.83	1.38	2.88	1.65
Engage with shapes and patterns? ⁶	.	.	.	.	4.08	1.15

Notes: '.' indicates the question was not asked in that particular round.

¹Typical day: 1 = Almost never, 2 = sometimes, 3 = Often, 4 = Always

²Number times per week: 1 = Not at all, 2 = once or twice, 3 = 3 to 6 times, 4 = Every day

³almost never = 1, sometimes = 2, often = 3, always = 4

⁴More than once a day = 1, about once a day = 2, few times a week = 3, few times a month = 4, rarely = 5, not at all = 6

⁵No = 0, Yes = 1

⁶Never = 0, once a month = 1, 2 or 3 times per month = 2, 1 or 2 a week = 3, 3 or 4 times a week = 4, everyday = 5

Table A.2
Home quality measurements

	Round 1 N = 4350		Round 2 N = 3800		Round 3 N = 4200		Round 4 N = 3200	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Caregiver spoke spontaneously to child? ¹	0.94	0.25	0.98	0.15	.	.	.	.
Caregiver responded verbally child? ¹	0.86	0.34	0.97	0.17	.	.	.	.
Caregiver caressed/kissed/hugged child? ¹	0.95	0.21	0.95	0.21	.	.	.	.
Caregiver provided toys to child? ¹	0.84	0.37	0.84	0.37	.	.	.	.
Caregiver interfered with child's actions? ¹	0.79	0.41	0.77	0.42	.	.	.	.
Caregiver kept child in view? ¹	0.98	0.15	0.95	0.21	.	.	.	.
Play environment was safe? ¹	0.97	0.16	0.99	0.11	.	.	.	.
Read books to child? ²	2.85	1.01	3.29	0.84	3.23	0.81	3.21	0.81
Tell stories to child? ²	2.55	1.12	2.70	1.03	2.71	0.92	2.58	0.89
Sings songs with child? ²	3.64	0.70	3.60	0.69	3.28	0.84	3.05	0.92
Talk about books? ²	.	.	.	.	.	.	2.99	0.87
Take on errands? ²	3.35	0.88	3.38	0.81	.	.	.	.
Play peek-a-boo? ³	5.00	1.14	.	.	.	.	.	.
Tickle/blow on belly/move playfully? ³	5.78	0.58	.	.	.	.	.	.
Walk/yard/park/playground? ³	4.15	1.35	.	.	3.48	0.99	.	.
Number soft toys	.	.	25.34	29.00	.	.	.	.
Number push/pull toys	.	.	12.54	20.52	.	.	.	.
Number books	.	.	58.68	52.25	90.32	102.25	103.55	115.67
Number records/tapes/CDs	.	.	12.85	18.96	.	.	.	.
Zoo, aquarium, or petting farm? ¹	.	.	0.31	0.46	.	.	.	.
Art gallery, museum, or historical site? ¹	.	.	0.15	0.36	.	.	.	.
Visited library? ¹	.	.	0.31	0.46	0.43	0.50	0.46	0.50
Play chasing games? ³	.	.	3.77	1.04	.	.	.	.
Play with games or toys indoors? ³	.	.	4.35	0.84	.	.	.	.
Go to a restaurant or out to eat? ³	.	.	2.18	0.76	.	.	.	.
Affection by hugging, kissing or holding? ⁴	.	.	4.86	0.39	4.77	0.50	.	.
Easygoing and relaxed with my child? ⁴	.	.	4.13	0.82	3.93	0.78	.	.
No energy to make child behave? ⁴	.	.	3.42	1.14	3.48	1.03	.	.
Trouble stick to rules? ⁴	.	.	3.73	1.12	3.73	1.08	.	.
Hours TV?	.	.	2.94	8.37	2.12	2.09	1.96	1.97
Number of days dinner together	.	.	5.96	1.76	5.60	1.77	0.00	0.00
Organized athletic activities? ¹	.	.	.	.	0.37	0.48	0.51	0.50
Dance lessons? ¹	.	.	.	.	0.15	0.36	0.19	0.39
Music lessons? ¹	.	.	.	.	0.07	0.26	0.08	0.28
Drama lessons? ¹	.	.	.	.	0.01	0.12	0.02	0.15
Art classes? ¹	.	.	.	.	0.09	0.29	0.10	0.30
Organized performing arts? ¹	.	.	.	.	0.17	0.37	0.22	0.42
Craft classes or lessons? ¹	.	.	.	.	0.12	0.33	0.13	0.34
Play together with toys for building? ¹	.	.	.	.	0.38	0.49	.	.
Computer? ¹	.	.	.	.	0.66	0.47	0.74	0.44

Notes: '.' indicates the question was not asked in that particular round.

Responses were coded as follows:

¹No = 0, Yes = 1

²Number times per week: not at all = 1, once or twice = 2, 3 to 6 times = 3, every day = 4

³How often per month: more than once a day = 1, about once a day = 2, few times a week = 3, few times a month = 4, rarely = 5, not at all = 6

⁴Sounds like me? exactly like = 1, very much like = 2, somewhat like = 3, not much like = 4, not at all like = 5

Table A.3
Sample selection criteria

	N x round	% of sample
Potential observations	42,800	
Non-attrited sample	36,000	
Child age 5 or less	29,150	100%
Exclusion restrictions		
Non-white/black/Hispanic	6,350	21.8
Age birth less than age 20	6,150	21.1
Half/step siblings in house	5,900	20.2
Child has a twin	4,600	15.8
Non-biological father	2,150	7.4
Missing initial conditions	1,450	5.0
Father enters/exits sample	1,350	4.6
More than 3 kids less than age 5	1,050	3.6
Age birth greater than age 40	600	2.1
Union of exclusion criteria	19,950	68.4
Estimation sample	9,200	31.6

Notes: Initial sample 14,000 Entered first survey round 10,700 Per NCES requirements, sample sizes are rounded to the nearest 50. The ECLS-B originally sampled 14,000 birth certificates but only 10,700 entered the first wave of the study. This table presents the effect of the sample selection criteria on the size of the baseline study entrants.