

Colorado Emergency Child Care Cost Model - versio

Model designed by Andrew Brodsky based on cost data from Diane Price :
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Expenses

Additional Personnel Expenses	Pct. of base wages	EC Scenario 1
Administration (1 director, 1 admin)	18.0%	18.0%
Floater	44.0%	44.0%
Taxes - employer match	12.0%	12.0%
Worker's comp	9.6%	9.6%
Preemployment	2.4%	2.4%
Unemployment	5.0%	5.0%
Total	91.0%	91.0%
Program Costs		
Education & Instruction	2.5%	2.5%
Food	21.8%	21.8%
Other	2.4%	2.4%
Total	26.7%	26.7%
Overhead Costs		
Center	9.3%	11.9%
Corp	49.8%	63.3%
Total	59.1%	75.2%
Total Additional Expenses	176.8%	192.9%

Global Assumptions

Age	Classrooms Per Site	Baseline Group Size (based on QRIS Level 3)
Infant (0-18 mo.)	2	10
Toddler (18-36 mo.)	2	14
Preschool	2	22
School Age	1	30
Totals	7	76
Hours Per Day	10	
Days Per Week	7	
Hours Per Week	70	
Wages (Baseline Model)		
	Baseline	Increased
Lead Teacher	\$18.00	\$30.00
Asst Teacher	\$15.50	\$25.50

Wages

BLS Code	BLS Category	Year
39-9011	Child care workers	2017
25-2011	Preschool teachers	2017
25-9041	Teacher assistants	2017

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and Colorado Quality Cost Model

			Age Group
			Infant
			Toddler
			Preschool
			School Age
			Totals
EC Scenario 2	EC Scenario 3	EC Scenario 4	
9.8%	17.5%	9.8%	
50.0%	44.0%	50.0%	
12.2%	12.4%	12.2%	
5.3%	9.6%	5.3%	
1.3%	2.4%	1.3%	
2.8%	5.0%	2.8%	
<hr/>			
81.5%	90.9%	81.5%	
1.4%	2.5%	1.4%	
12.2%	21.8%	12.2%	
1.3%	2.4%	1.3%	
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14.9%	26.7%	14.9%	
6.6%	11.9%	6.6%	
35.3%	63.3%	35.3%	
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41.9%	75.2%	41.9%	
138.2%	192.9%	138.2%	

Annual Mean

Wage

Hourly Wage

\$27,530.00

\$13.24

\$31,070.00

\$14.94

\$29,290.00

\$14.08

25% Reduced	50% Reduced
\$915.88	\$1,373.81
\$654.20	\$981.30
\$416.31	\$624.46
\$305.29	\$457.94
\$482.04	\$723.06

EC Note:

Total Corp OH with Comprehensive Services, Corp Staff, Program Staff (CAN, Enrollment,) Facilities Dir, Property and Liability, Contractual Cleaning, Utilities, Licensing. We don't pay rent.

Weekly Costs

Scenario: Baseline

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
Infant	\$18.00	\$15.50	10	\$2,345
Toddler	\$18.00	\$15.50	14	\$2,345
Preschool	\$18.00	\$15.50	22	\$2,345
School Age	\$18.00	\$15.50	30	\$2,345
Totals			76	\$9,380

Scenario: \$30/hour

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
Infant	\$30.00	\$25.50	10	\$3,885
Toddler	\$30.00	\$25.50	14	\$3,885
Preschool	\$30.00	\$25.50	22	\$3,885
School Age	\$30.00	\$25.50	30	\$3,885
Totals			76	\$15,540

Scenario: Current Pay, 25% reduced ratio

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
Infant	\$18.00	\$15.50	7.5	\$2,345
Toddler	\$18.00	\$15.50	10.5	\$2,345
Preschool	\$18.00	\$15.50	16.5	\$2,345
School Age	\$18.00	\$15.50	22.5	\$2,345
Totals			57	\$9,380

Scenario: Current Pay, 50% reduced ratio

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
Infant	\$18.00	\$15.50	5	\$2,345
Toddler	\$18.00	\$15.50	7	\$2,345
Preschool	\$18.00	\$15.50	11	\$2,345
School Age	\$18.00	\$15.50	15	\$2,345
Totals			38	\$9,380

Scenario: Current Pay, lowest ratios

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
			Infant	\$18.00
Toddler	\$18.00	\$15.50	4	\$2,345
Preschool	\$18.00	\$15.50	9	\$2,345
School Age	\$18.00	\$15.50	10	\$2,345
Totals			26	\$9,380

Scenario: \$30/hour, 25% reduced ratio

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
			Infant	\$30.00
Toddler	\$30.00	\$25.50	10.5	\$3,885
Preschool	\$30.00	\$25.50	16.5	\$3,885
School Age	\$30.00	\$25.50	22.5	\$3,885
Totals			57	\$15,540

Scenario: \$30/hour, 50% reduced ratio

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Total Cost
			Infant	\$30.00
Toddler	\$30.00	\$25.50	7	\$3,885
Preschool	\$30.00	\$25.50	11	\$3,885
School Age	\$30.00	\$25.50	15	\$3,885
Totals			38	\$15,540

Scenario: \$30/hour, lowest ratios

	Lead Teacher Wage	Asst Teacher Wage	Per Classroom	
			Number of Children	Weekly Cost - Total
			Infant	\$30.00
Toddler	\$30.00	\$25.50	4	\$3,885
Preschool	\$30.00	\$25.50	9	\$3,885
School Age	\$30.00	\$25.50	10	\$3,885
Totals			26	\$15,540

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Hours Per Day	10
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Wages

Lead Teacher	\$18.00
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Wages

BLS Code	BLS Category	Year	Annual Mean Wage	Hourly Wage
39-9011	Child care workers	2017	\$27,530.00	\$13.24
25-2011	Preschool teachers	2017	\$31,070.00	\$14.94
25-9041	Teacher assistants	2017	\$29,290.00	\$14.08

Wages Only				All Exp	
Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$235	20	\$4,690	\$235	\$4,146	\$415
\$168	28	\$4,690	\$168	\$4,146	\$296
\$107	44	\$4,690	\$107	\$4,146	\$188
\$78	30	\$2,345	\$78	\$4,146	\$138
\$123	122	\$16,415	\$135	\$16,585	\$218

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$389	20	\$7,770	\$389	\$6,869	\$687
\$278	28	\$7,770	\$278	\$6,869	\$491
\$177	44	\$7,770	\$177	\$6,869	\$312
\$130	30	\$3,885	\$130	\$6,869	\$229
\$204	122	\$27,195	\$223	\$27,476	\$362

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$313	15	\$4,690	\$313	\$4,146	\$553
\$223	21	\$4,690	\$223	\$4,146	\$395
\$142	33	\$4,690	\$142	\$4,146	\$251
\$104	22.5	\$2,345	\$104	\$4,146	\$184
\$165	91.5	\$16,415	\$179	\$16,585	\$291

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$469	10	\$4,690	\$469	\$4,146	\$829
\$335	14	\$4,690	\$335	\$4,146	\$592
\$213	22	\$4,690	\$213	\$4,146	\$377
\$156	15	\$2,345	\$156	\$4,146	\$276
\$247	61	\$16,415	\$269	\$16,585	\$436

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$782	6	\$4,690	\$782	\$4,146	\$1,382
\$586	8	\$4,690	\$586	\$4,146	\$1,037
\$261	18	\$4,690	\$261	\$4,146	\$461
\$235	10	\$2,345	\$235	\$4,146	\$415
\$361	42	\$16,415	\$391	\$16,585	\$638

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$518	15	\$7,770	\$518	\$6,869	\$916
\$370	21	\$7,770	\$370	\$6,869	\$654
\$235	33	\$7,770	\$235	\$6,869	\$416
\$173	22.5	\$3,885	\$173	\$6,869	\$305
\$273	91.5	\$27,195	\$297	\$27,476	\$482

Per Program				Per Classroom	
Per Child	Number of Children	Total Cost	Per Child	Total Cost	Per Child
\$777	10	\$7,770	\$777	\$6,869	\$1,374
\$555	14	\$7,770	\$555	\$6,869	\$981
\$353	22	\$7,770	\$353	\$6,869	\$624
\$259	15	\$3,885	\$259	\$6,869	\$458
\$409	61	\$27,195	\$446	\$27,476	\$723

Per Program				Per Classroom	
Weekly Cost - Per Child	Number of Children	Weekly Cost - Total	Weekly Cost - Per Child	Weekly Cost - Total	Weekly Cost - Per Child
\$1,295	6	\$7,770	\$1,295	\$6,869	\$2,290
\$971	8	\$7,770	\$971	\$6,869	\$1,717
\$432	18	\$7,770	\$432	\$6,869	\$763
\$389	10	\$3,885	\$389	\$6,869	\$687
\$598	42	\$27,195	\$648	\$27,476	\$1,057

Hourly Wage

\$0.00

\$0.00

\$0.00

enses

Per Program	
Total Cost	Per Child
\$8,292	\$415
\$8,292	\$296
\$8,292	\$188
\$4,146	\$138
\$29,023	\$238

Per Program	
Total Cost	Per Child
\$13,738	\$687
\$13,738	\$491
\$13,738	\$312
\$6,869	\$229
\$48,083	\$394

Per Program	
Total Cost	Per Child
\$8,292	\$553
\$8,292	\$395
\$8,292	\$251
\$4,146	\$184
\$29,023	\$317

Per Program	
Total Cost	Per Child
\$8,292	\$829
\$8,292	\$592
\$8,292	\$377
\$4,146	\$276
\$29,023	\$476