Keeping kids in care: What makes a difference in state CCDF policy?

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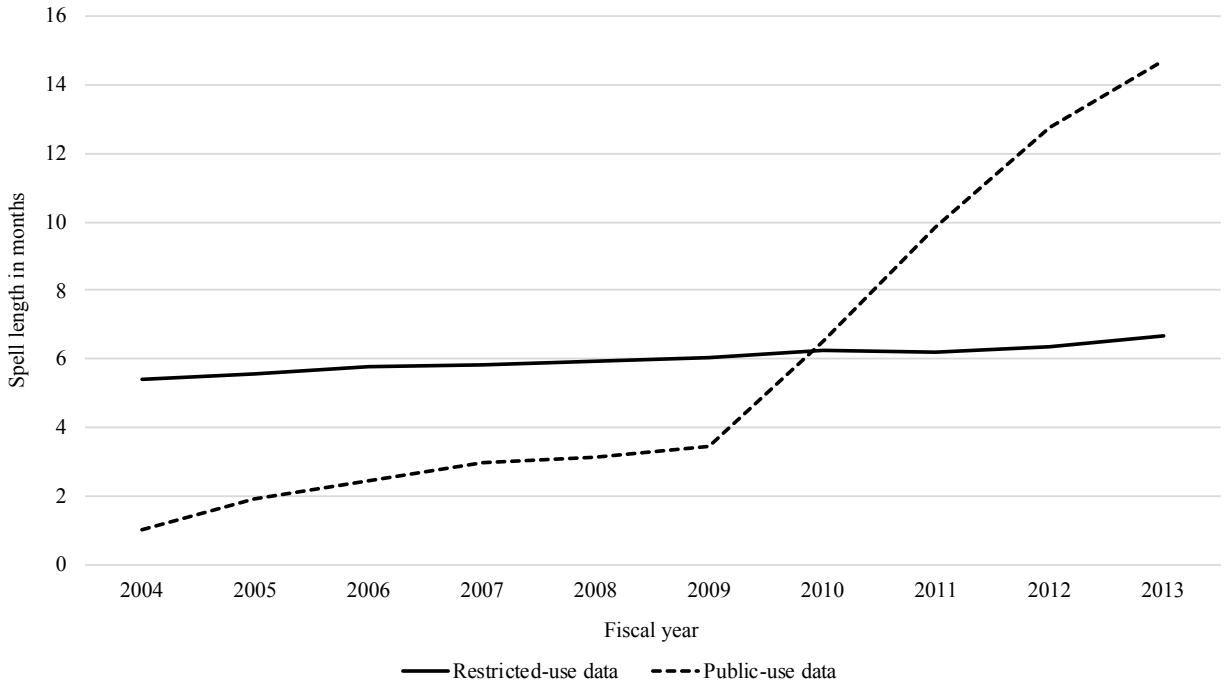
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Appendix Table 6: Child care subsidy policies on median spell length (months).

Appendix Figure 1. Calculations of average spell length by year from the restricted-use and public-use ACF-801 data.

Note. The restricted-use data calculations come from Swenson and Burgess (2014). The public-use data calculations are the authors' calculations.

Appendix Table 1. Descriptives statistics of median spell length, CCDF policies, and covariates for the included and excluded states from FY 2004 to 2013.

	2004 Incl.	2004 Excl.	2005 Incl.	2005 Excl.	2006 Incl.	2006 Excl.	2007 Incl.	2007 Excl.	2008 Incl.	2008 Excl.	2009 Incl.	2009 Excl.	2010 Incl.	2010 Excl.	2011 Incl.	2011 Excl.	2012 Incl.	2012 Excl.	2013 Incl.	2013 Excl.
Median spell length[1]	5.39		5.55		5.78		5.85		5.93		6.06		6.24		6.21		6.34		6.68	
CCDF Administrative Burden																				
Redetermination Policies[2]																				
Redetermination period in months	**8.21**	**9.75**	**8.21**	**8.81**	8.31	8.63	8.42	8.80	8.51	8.68	8.82	9.11	9.37	9.85	9.71	9.85	10.34	9.92	10.82	10.62
Families must report all changes for redetermination (1=yes)	0.50	0.49	0.50	0.52	0.45	0.54	0.47	0.57	0.51	0.69	**0.49**	**0.85**	**0.50**	**0.77**	0.50	0.69	**0.45**	**0.69**	0.55	0.69
Families only report some changes for redetermination (1=yes)	0.17	0.13	0.19	0.22	0.11	0.25	0.07	0.17	0.07	0.06	0.09	0.06	0.12	0.06	0.19	0.24	0.19	0.24	0.19	0.24
Grace period for care before termination of services (days)[2]	**7.74**	**9.82**	8.32	9.82	9.03	10.13	**9.33**	**11.47**	**9.62**	**11.57**	**9.62**	**11.57**	10.03	11.31	10.03	11.31	10.39	11.46	11.11	11.62
CCDF Generosity																				
Income Policies[2]																				
Intial income eligibility threshold for a family of 4	2933.00	3219.25	2818.00	3417.00	3044.00	4031.00	**3068.12**	**3763.34**	3168.90	3605.46	3315.04	3698.65	3376.14	3740.93	3359.49	3744.91	3456.49	3814.77	3494.59	3860.87
Continuing income eligibility threshold for a family of 4	2933.00	3219.25	3043.50	3417.00	3636.50	4891.00	**3380.77**	**4345.98**	3463.80	4011.64	3583.17	4011.20	3657.69	4032.79	3671.46	4167.15	3737.18	4238.96	3859.61	4193.24
Difference in initial and continuing income eligibility amount	0.00	0.00	225.50	0.00	592.50	860.00	312.66	582.64	294.90	406.19	268.13	312.56	281.55	291.86	311.97	422.24	280.70	424.19	365.02	332.37
Payments[3]																				
Monthly amount paid to provider	**289.33**	**366.82**	299.54	372.85	311.34	387.38	325.06	411.20	342.43	430.10	364.00	438.93	366.73	447.14	329.31	425.23	331.47	425.94	335.51	431.74
Total monthly co-payment by family	48.78	46.99	65.24	61.97	72.20	61.80	75.94	58.80	81.11	58.78	82.24	67.95	74.37	62.62	72.98	63.62	76.51	64.07	77.97	65.66
Reimbursement Rates[2]																				
Monthly reimbursement rate for providers for full-time care	423.63	524.45	**436.77**	**707.68**	509.49	605.35	473.08	615.29	465.86	634.75	470.59	634.75	467.93	574.55	467.90	564.52	459.93	575.10	478.99	575.78
Covariates																				
State Characteristics[4]																				
TANF recipients divided by population	0.48	0.54	0.48	0.54	0.48	0.56	0.51	0.61	0.51	0.63	0.51	0.63	0.53	0.64	0.53	0.63	0.44	0.55	0.44	0.53
GSP divided by population	51.18	64.50	51.18	64.50	50.50	65.80	55.23	74.71	56.33	73.08	56.14	72.54	58.46	73.17	58.38	72.33	45.89	62.92	45.84	61.17
Unemployment rate	17.24	22.81	17.24	22.81	17.44	23.87	18.17	26.71	18.19	27.77	18.17	27.69	18.97	26.58	19.08	26.67	16.22	23.42	16.24	22.83
Poverty Rate	11.71	12.13	12.04	12.15	12.17	12.50	11.64	12.36	11.44	12.77	12.45	12.64	13.25	14.59	14.05	14.59	14.22	14.56	14.10	14.89
Governor is Democrat	0.44	0.56	0.44	0.50	0.46	0.47	0.53	0.64	0.54	0.62	0.57	0.62	0.53	0.67	0.50	0.58	**0.32**	**0.67**	**0.32**	**0.67**
Number in Lower House Democrat	51.18	64.50	51.18	64.50	50.50	65.80	**55.23**	**74.71**	56.33	73.08	56.14	72.54	58.46	73.17	58.38	72.33	45.89	62.92	45.84	61.17
Fraction of State House that is Democrat	0.48	0.54	0.48	0.54	0.48	0.56	0.51	0.61	0.51	0.63	0.51	0.63	0.53	0.64	0.53	0.63	0.44	0.55	0.44	0.53
Number in Upper House Democrat	**17.24**	**22.81**	**17.24**	**22.81**	**17.44**	**23.87**	**18.17**	**26.71**	**18.19**	**27.77**	**18.17**	**27.69**	**18.97**	**26.58**	**19.08**	**26.67**	**16.22**	**23.42**	**16.24**	**22.83**
Fraction of State Senate that is Democrat	0.46	0.52	0.46	0.52	0.47	0.54	0.50	0.59	0.50	0.61	0.50	0.61	0.51	0.61	0.51	0.61	0.43	0.54	0.43	0.53
Type of Child Care[3]																				
In home care	0.04	0.05	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.06	0.05	0.06	0.04	0.06	0.05	0.06	0.05	0.06	0.05	0.06
Family home care	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01
Group home care	11.71	12.13	12.04	12.15	12.17	12.50	11.64	12.36	11.44	12.77	12.45	12.64	13.25	14.59	14.05	14.59	14.22	14.56	14.10	14.89
Center care	5.37	6.04	4.99	5.69	4.74	5.35	4.32	4.77	4.23	4.75	5.22	5.71	8.33	8.97	8.54	9.32	7.92	8.84	7.17	8.12
Child Race/Ethnicity[3]																				
White	0.38	0.39	0.37	0.36	0.36	0.34	0.44	0.34	0.43	0.35	0.43	0.33	0.37	0.31	0.38	0.32	0.41	0.29	0.29	0.30
Black	0.37	0.43	0.38	0.45	0.38	0.45	0.35	0.47	0.35	0.46	0.35	0.46	0.36	0.46	0.36	0.46	0.36	0.47	0.39	0.47
Hispanic	0.15	0.14	0.15	0.15	0.16	0.15	0.13	0.15	0.14	0.15	0.14	0.16	0.16	0.17	0.16	0.17	0.14	0.18	0.16	0.18
Asian	0.04	0.02	0.04	0.02	0.04	0.03	0.04	0.02	0.04	0.02	0.04	0.03	0.05	0.04	0.05	0.03	0.05	0.04	0.1	0.04
Other	0.06	0.02	0.06	0.02	0.06	0.03	0.04	0.02	0.04	0.02	0.04	0.02	0.06	0.02	0.05	0.02	0.04	0.02	0.06	0.01
Observations (states)	38	13	38	13	38	13	38	13	38	13	38	13	38	13	38	13	38	13	38	13

Note. [1]Data source: Swenson & Burgess (2018). [2]Data source: CCDF State Policies Database. [3]Data source: CCDF Public-Use Administrative Database. [4]Data source: National Welfare Data, University of Kentucky Center for Poverty Research. Bolded values indicate statisically significant difference in means at $p<0.05$.

Appendix Table 2. Descriptives statistics of median spell length, CCDF policies, and covariates for states who switched and did not switch their redetermination period policy FY 2004 to 2013.

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch
Median spell length[1]	5.46	5.30	5.50	5.60	5.64	5.96	5.60	6.16	5.63	6.29	5.88	6.27	6.24	6.23	6.30	6.10	6.88	5.74	7.61	5.63
CCDF Administrative Burden																				
Redetermination Policies[2]																				
Redetermination period in months	**6.60**	**10.15**	**6.52**	**10.00**	**6.63**	**10.00**	**6.88**	**10.00**	**6.94**	**10.00**	7.79	9.92	**8.92**	**10.00**	9.46	10.00	10.50	10.00	11.63	10.00
Families must report all changes for redetermination (1=yes)	0.53	0.44	0.53	0.44	**0.50**	**0.35**	**0.59**	**0.45**	**0.63**	**0.50**	0.58	0.58	**0.50**	**0.63**	**0.42**	**0.67**	0.46	0.56	0.54	0.63
Families only report some changes for redetermination (1=yes)	0.06	0.11	0.06	0.11	0.33	0.21	0.08	0.15	0.08	0.10	0.08	0.10	0.14	0.11	0.17	0.11	0.17	0.11	**0.22**	**0.07**
Grace period for care before termination of services (days)[2]	**7.75**	**9.04**	**8.17**	**9.41**	**8.71**	**9.96**	**9.13**	**10.70**	9.54	10.70	9.54	10.70	9.96	10.70	9.96	10.70	10.38	10.93	10.88	11.56
CCDF Generosity																				
Income Policies[2]																				
Intial income eligibility threshold for a family of 4	2549.45	2549.45	**3175.00**	**2703.00**	**2984.00**	**3597.50**	3260.31	3204.56	3340.11	3214.09	3523.35	3299.19	3569.48	3379.93	3521.10	3401.41	3571.52	3532.36	**3704.78**	**3484.11**
Continuing income eligibility threshold for a family of 4	2549.45	2549.45	**3175.00**	**3154.00**	**3125.25**	**4775.00**	3502.22	3767.50	3569.00	3625.77	3640.63	3733.46	3686.76	3812.45	3691.26	3892.53	3743.64	3991.91	3923.76	3963.23
Difference in initial and continuing income eligibility amount	0.00	0.00	0.00	451.00	141.25	1177.50	241.91	562.94	228.89	411.68	117.28	434.27	117.28	432.52	170.16	491.12	172.12	459.55	218.97	479.12
Payments[3]																				
Monthly amount paid to provider	293.61	334.32	302.07	343.45	309.71	357.85	**322.74**	**374.98**	338.90	391.02	360.93	405.57	366.57	405.59	324.95	379.37	**324.82**	**382.87**	329.89	386.83
Total monthly co-payment by family	49.93	46.65	66.85	61.73	74.25	64.40	78.01	65.05	81.74	69.79	86.32	71.62	**81.55**	**62.89**	76.06	66.27	**78.16**	**69.58**	78.45	72.19
Reimbursement Rates[2]																				
Monthly reimbursement rate for providers for full-time care	**311.34**	**535.92**	**387.20**	**621.80**	**477.31**	**645.75**	**455.12**	**551.26**	**438.32**	**562.62**	**438.32**	**569.92**	454.92	522.55	453.31	519.96	454.71	510.80	461.23	534.04
Covariates																				
State Characteristics[4]																				
TANF recipients divided by population	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
GSP divided by population	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Unemployment rate	5.65	5.54	5.20	5.24	5.02	4.85	4.41	4.49	4.34	4.40	5.44	5.28	8.55	8.44	8.97	8.53	8.39	7.94	7.63	7.22
Poverty Rate	12.30	11.45	12.31	11.87	12.90	11.71	12.06	11.67	12.01	11.61	12.80	12.24	13.94	13.29	14.71	13.72	14.63	14.02	14.73	13.93
Governor is Democrat	0.50	0.46	0.50	0.42	0.58	0.35	0.63	0.50	0.58	0.54	0.54	0.62	0.54	0.58	0.54	0.50	0.38	0.42	0.38	0.42
Number in Lower House Democrat	53.71	57.28	53.71	57.28	52.42	57.84	58.63	62.88	58.33	63.12	58.04	62.84	58.96	65.04	59.04	64.44	45.71	54.24	45.42	53.60
Fraction of State House that is Democrat	0.51	0.50	0.51	0.50	0.50	0.50	0.54	0.54	0.54	0.55	0.54	0.55	0.55	0.56	0.55	0.56	0.46	0.47	0.45	0.46
Number in Upper House Democrat	19.17	18.96	19.17	18.96	19.50	19.32	20.38	20.84	20.33	21.12	20.38	21.00	20.50	21.16	20.63	21.24	17.54	18.40	17.25	18.44
Fraction of State Senate that is Democrat	0.51	0.46	0.51	0.46	0.51	0.47	0.54	0.51	0.54	0.51	0.54	0.51	0.55	0.52	0.55	0.52	0.47	0.45	0.46	0.45
Type of Child Care[3]																				
In home care	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Family home care	0.15	0.18	0.14	0.18	0.15	0.18	0.15	0.18	0.15	0.17	0.14	0.16	0.13	0.16	0.13	0.15	0.13	0.14	0.12	0.14
Group home care	0.23	0.24	0.23	0.23	0.22	0.23	0.21	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.18	0.17	0.17	0.17	0.16	0.15
Center care	0.57	0.52	0.58	0.54	0.57	0.54	0.58	0.55	0.59	0.56	0.60	0.58	0.62	0.59	0.63	0.61	0.65	0.63	0.66	0.65
Child Race/Ethnicity[3]																				
White	0.33	0.44	0.32	0.42	0.31	0.39	0.43	0.39	0.43	0.39	0.42	0.39	0.43	0.29	0.42	0.31	0.42	0.35	0.38	0.21
Black	0.39	0.39	0.39	0.40	0.39	0.41	0.35	0.41	0.36	0.40	0.35	0.41	0.35	0.42	0.35	0.42	0.35	0.42	0.37	0.45
Hispanic	0.19	0.10	0.19	0.11	0.20	0.12	0.16	0.12	0.15	0.13	0.16	0.13	0.15	0.17	0.16	0.16	0.16	0.15	0.18	0.15
Asian	0.01	0.05	0.02	0.05	0.02	0.06	0.02	0.06	0.02	0.06	0.03	0.05	0.03	0.06	0.03	0.07	0.03	0.06	0.03	0.13
Other	0.08	0.02	0.08	0.02	0.08	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.04	0.06	0.04	0.04	0.04	0.02	0.04	0.06
Observations (states)	24	27	24	27	24	27	24	27	24	27	24	27	24	27	24	27	24	27	24	27

Note. [1]Data source: Swenson & Burgess (2018). [2]Data source: CCDF State Policies Database. [3]Data source: CCDF Public-Use Administrative Database. [4]Data source: National Welfare Data, University of Kentucky Center for Poverty Research. Bolded values indicate statisically significant difference in means at $p<0.05$.

Appendix Table 3. Descriptives statistics of median spell length, CCDF policies, and covariates for states who switched and did not switch their income reporting policy FY 2004 to 2013.

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch	Switch	No Switch
Median spell length[1]	5.34	5.42	5.53	5.56	5.90	5.70	5.93	5.79	6.05	5.83	6.02	6.10	6.40	6.10	6.25	6.18	5.99	6.62	6.27	7.00
CCDF Administrative Burden																				
Redetermination Policies[2]																				
Redetermination period in months	8.25	8.80	8.12	8.55	8.29	8.47	8.47	8.56	8.47	8.60	8.79	8.95	9.62	9.43	9.85	9.69	10.06	10.32	10.41	10.94
Families must report all changes for redetermination (1=yes)	**0.43**	**0.55**	**0.43**	**0.55**	**0.33**	**0.55**	**0.35**	**0.63**	**0.47**	**0.64**	**0.41**	**0.64**	**0.47**	**0.59**	**0.43**	**0.59**	**0.43**	**0.59**	0.51	0.62
Families only report some changes for redetermination (1=yes)	0.09	0.11	0.09	0.11	0.11	0.14	0.10	0.13	0.07	0.10	0.08	0.10	**0.19**	**0.09**	**0.25**	**0.09**	**0.25**	**0.09**	0.19	0.12
Grace period for care before termination of services (days)[2]	**7.29**	**9.00**	**7.88**	**9.29**	9.24	9.44	10.41	9.74	11.00	9.74	11.00	9.74	**11.59**	**9.74**	**11.59**	**9.74**	12.18	9.91	**12.47**	**10.62**
CCDF Generosity																				
Income Policies[2]																				
Intial income eligibility threshold for a family of 4	3044.45	2933.00	**2703.00**	**3175.00**	**2763.00**	**3607.40**	**3054.99**	3354.74	3223.14	3303.80	**3431.05**	**3397.26**	3442.57	3482.41	3465.64	3453.78	3626.92	3515.00	3587.23	3588.32
Continuing income eligibility threshold for a family of 4	3044.45	2933.00	3154.00	3175.00	**3101.67**	**4459.20**	3507.26	3684.64	3621.37	3585.54	3753.07	3653.42	3781.04	3739.43	3832.34	3780.55	3920.29	3846.07	3964.13	3934.91
Difference in initial and continuing income eligibility amount	0.00	0.00	451.00	0.00	338.67	851.80	452.26	329.90	398.22	281.74	322.02	256.16	338.47	257.02	366.70	326.77	293.37	331.08	376.91	346.59
Payments[3]																				
Monthly amount paid to provider	302.11	321.69	308.45	331.74	316.24	344.68	**322.21**	**364.49**	**339.04**	**380.22**	355.52	399.09	362.30	399.69	338.82	361.23	340.02	363.32	342.86	368.62
Total monthly co-payment by family	44.44	50.11	58.98	67.03	63.85	72.08	67.89	73.26	74.06	76.48	76.78	79.70	74.16	70.18	**75.75**	**67.80**	**81.00**	**69.40**	**86.17**	**68.45**
Reimbursement Rates[2]																				
Monthly reimbursement rate for providers for full-time care	**311.34**	**535.92**	**311.34**	**568.89**	523.12	540.84	498.83	495.21	495.83	505.18	506.12	505.18	476.36	497.70	478.37	493.32	460.01	497.03	498.77	499.36
Covariates																				
State Characteristics[4]																				
TANF recipients divided by population	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
GSP divided by population	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Unemployment rate	5.43	5.67	5.02	5.32	4.67	5.06	4.24	4.56	4.12	4.49	4.82	5.62	7.77	8.86	7.96	9.13	7.32	8.57	6.62	7.81
Poverty Rate	11.79	11.88	11.82	12.21	12.05	12.38	11.41	12.07	11.39	12.01	11.92	12.80	12.85	13.97	13.55	14.50	14.10	14.41	13.95	14.48
Governor is Democrat	0.41	0.52	0.41	0.48	0.47	0.45	0.47	0.61	0.47	0.61	0.53	0.61	0.47	0.61	0.47	0.55	0.24	0.48	0.24	0.48
Number in Lower House Democrat	52.69	56.91	52.69	56.91	54.38	55.58	64.13	59.18	64.25	59.09	64.00	58.79	65.38	60.45	65.19	60.15	48.88	50.64	49.00	49.88
Fraction of State House that is Democrat	**0.43**	**0.54**	**0.43**	**0.54**	**0.44**	**0.53**	0.49	0.57	0.49	0.57	0.49	0.57	0.51	0.58	0.51	0.58	0.42	0.49	0.41	0.48
Number in Upper House Democrat	**15.94**	**20.58**	**15.94**	**20.58**	**16.31**	**20.91**	**17.38**	**22.18**	17.25	22.42	17.19	22.39	17.69	22.36	17.69	22.52	14.69	19.58	14.88	19.30
Fraction of State Senate that is Democrat	0.45	0.50	0.45	0.50	0.46	0.51	0.51	0.53	0.50	0.54	0.50	0.54	0.52	0.54	0.52	0.54	0.42	0.48	0.42	0.47
Type of Child Care[3]																				
In home care	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.07	0.03	0.07	0.03	0.07	0.02	0.07	0.03	0.08	0.03	0.08	0.03	0.08
Family home care	0.19	0.15	0.19	0.15	0.20	0.15	0.20	0.15	0.18	0.15	0.17	0.15	0.16	0.14	0.15	0.13	0.14	0.13	0.14	0.12
Group home care	0.18	0.26	0.18	0.25	0.18	0.25	0.18	0.24	0.17	0.23	0.16	0.22	0.14	0.21	0.13	0.20	0.13	0.19	0.12	0.18
Center care	0.59	0.52	0.60	0.53	0.59	0.54	0.60	0.54	0.62	0.55	0.65	0.56	0.67	0.57	0.69	0.59	0.70	0.61	0.71	0.62
Child Race/Ethnicity[3]																				
White	0.36	0.39	0.34	0.39	0.33	0.36	0.49	0.36	0.49	0.36	0.47	0.35	0.36	0.36	0.38	0.36	0.44	0.34	0.22	0.32
Black	0.35	0.42	0.36	0.42	0.36	0.42	0.31	0.42	0.31	0.42	0.32	0.42	0.33	0.41	0.33	0.41	0.33	0.42	0.38	0.43
Hispanic	0.18	0.13	0.18	0.13	0.19	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.19	0.15	0.19	0.15	0.16	0.15	0.16	0.17
Asian	0.01	0.04	0.02	0.04	0.02	0.05	0.02	0.05	0.02	0.05	0.02	0.05	0.02	0.05	0.03	0.05	0.02	0.06	0.14	0.06
Other	0.1	0.02	0.1	0.02	0.1	0.03	0.04	0.03	0.04	0.03	0.05	0.03	0.1	0.03	0.07	0.03	0.05	0.03	0.1	0.02
Observations (states)	17	34	17	34	17	34	17	34	17	34	17	34	17	34	17	34	17	34	17	34

Note. [1]Data source: Swenson & Burgess (2018). [2]Data source: CCDF State Policies Database. [3]Data source: CCDF Public-Use Administrative Database. [4]Data source: National Welfare Data, University of Kentucky Center for Poverty Research. Bolded values indicate statisically significant difference in means at $p < 0.05$.

Appendix Table 4. Logistic regression of switcher flag variable on state covariates for baseline year (FY 2004)

	Switched redetermination length		Switched income reporting requirements	
	All states	Analysis sample	All states	Analysis sample
Key Policy Variables				
Monthly reimbursement rate for providers for full-time care (dollars)^2	-0.008*	0.000	-0.006	0.002
	(0.004)	(0.003)	(0.004)	(0.004)
Total monthly copayment (dollars)^2	0.009	-0.004	0.007	-0.011
	(0.007)	(0.008)	(0.008)	(0.009)
Difference in initial and continuing income eligibility amount (dollars)^2	-0.001	0.000	-0.001	0.001
	(0.001)	(0.001)	(0.001)	(0.001)
Grace period for care before termination of services (days)^2	-0.030	-0.041	0.006	-0.009
	(0.046)	(0.073)	(0.047)	(0.057)
State characteristics				
Population per 10,000 people	-0.001	-0.000	-0.001	-0.001
	(0.001)	(0.001)	(0.001)	(0.001)
GSP divided by population	-26.366	-53.053	-2.013	-60.843
	(22.983)	(56.551)	(61.275)	(91.596)
TANF recipients divided by population	-13.895	-32.857	43.397	-17.608
	(23.896)	(29.936)	(48.570)	(48.811)
Unemployment rate	0.100	-0.227	-0.161	-0.211
	(0.267)	(0.303)	(0.379)	(0.380)
Poverty rate	0.097	-0.011	0.190	0.051
	(0.101)	(0.109)	(0.141)	(0.130)
Governor is Democrat	0.154	-0.417	0.511	-0.087
	(0.573)	(0.610)	(0.710)	(0.713)
Fraction of State House that is Democrat	0.499	0.793	2.010	-2.699
	(1.882)	(1.189)	(2.349)	(2.332)
Fraction of State Senate that is Democrat	1.952	-2.038	4.279	-0.189
	(1.920)	(1.957)	(2.685)	(2.158)
Percent Low Income Unisured Children	0.202	-0.046	0.168	-0.102
	(0.134)	(0.129)	(0.143)	(0.135)
SNAP recipients divided by population	-0.004	-0.001	0.001	0.002
	(0.007)	(0.007)	(0.002)	(0.002)
AFDC/TANF benefit for 4-person family	-0.001	0.001	-0.002	0.002
	(0.002)	(0.002)	(0.002)	(0.003)
Observations	51	38	51	38

Note. Standard errors in parentheses. Each cell represents a separate logistic regression where each variable was regressed on an indicator for whether the state switched their redetermination length or income reporting requirements in 2003.

Appendix Table 5. Child care subsidy policies on median spell length (months)[1] for states with complete spell length data across all study years.

	Model 1	Model 2	Model 3
	No Covariates	State Covariates	CCDF participant covariates
CCDF Administrative Burden			
Redetermination period[2]	0.342***	0.334***	0.331***
	(0.039)	(0.035)	(0.039)
Families must report all changes for redetermination[2]	-0.843***	-0.706***	-0.704***
	(0.179)	(0.162)	(0.169)
Grace period for care before termination of services (days)[2]	0.029	0.026	0.034
	(0.035)	(0.041)	(0.041)
CCDF Generosity			
Monthly reimbursement rate for providers for full-time care (dollars)[2]	-0.000	-0.000	-0.000
	(0.000)	(0.000)	(0.001)
Total monthly copayment (dollars)[2]	-0.004	-0.005	-0.005
	(0.004)	(0.004)	(0.006)
Difference in initial and continuing income eligibility amount (dollars)[2]	0.001**	0.001**	0.001**
	(0.000)	(0.000)	(0.000)
Covariates			
State characteristics [4]			
Population per 10,000 people		-0.009**	-0.009**
		(0.003)	(0.003)
GSP divided by population		14.822	12.836
		(39.054)	(40.776)
TANF recipients divided by population		36.350	27.516
		(29.959)	(38.628)
Unemployment rate		0.041	-0.004
		(0.076)	(0.074)
Fraction of State Senate that is Democrat		-0.378	-0.188
		(0.887)	(0.955)
Type of child care [3]			
Prop. in home care			3.632
			(2.724)
Prop. family home care			6.999
			(6.449)
Prop. group home care			2.075
			(2.203)
Child race/ethnicity [3]			
Prop. Black			-0.418
			(3.652)
Prop. Hispanic			0.299
			(1.729)
Prop. Asian			-0.652
			(2.529)
Prop. Other			1.050
			(2.214)
State fixed effects	X	X	X
Year fixed effects	X	X	X
Observations (states)[4]	32	32	32

Note. States that are not included in this analysis include: Alaska, Florida, Idaho, Minnesota, North Dakota, and Pennsylvania. Standard errors in parentheses. [1]Data source: Swenson & Burgess (2018). [2]Data source: CCDF State Policies Database. Reimbursement rates are based on families of 4. [3]Data source: CCDF Public-Use Administrative Database. [4]Data source: National Welfare Data, University of Kentucky Center for Poverty Research. For type of child care, center-based care is the reference group. For child race/ethnicity, White is the reference group.

Appendix Table 6. Child care subsidy policies on median spell length (months)[1]

	Model 1	Model 2	Model 3
	No Covariates	State Covariates	CCDF participant covariates
CCDF Administrative Burden			
State switched to redetermination period of 12 months[2]	1.705***	1.624***	1.645***
	(0.245)	(0.238)	(0.250)
Families must report all changes for redetermination[2]	-0.698**	-0.651***	-0.678***
	(0.216)	(0.176)	(0.178)
Grace period for care before termination of services (days)[2]	0.049	0.041	0.050
	(0.050)	(0.036)	(0.034)
CCDF Generosity			
Monthly reimbursement rate for providers for full-time care (dollars)[2]	-0.000	0.000	-0.000
	(0.000)	(0.000)	(0.000)
Total monthly copayment (dollars)[2]	-0.010	-0.007	-0.007
	(0.006)	(0.004)	(0.004)
Difference in initial and continuing income eligibility amount (dollars)[2]	0.001*	0.001*	0.001*
	(0.000)	(0.000)	(0.000)
Covariates			
State characteristics [4]			
Population per 10,000 people		-0.008	-0.007
		(0.004)	(0.005)
GSP divided by population		80.559	76.434
		(41.541)	(38.423)
TANF recipients divided by population		44.894	50.709
		(35.223)	(38.044)
Unemployment rate		0.131	0.110
		(0.077)	(0.074)
Fraction of State Senate that is Democrat		0.474	0.542
		(0.849)	(0.873)
Type of child care [3]			
Prop. in home care			9.655
			(5.892)
Prop. family home care			4.890
			(3.135)
Prop. group home care			0.223
			(1.665)
Child race/ethnicity [3]			
Prop. Black			1.084
			(2.942)
Prop. Hispanic			-1.582
			(1.569)
Prop. Asian			-2.540
			(2.191)
Prop. Other			3.238
			(2.317)
State fixed effects	X	X	X
Year fixed effects	X	X	X
Observations (states)[4]	38	38	38

Note. Standard errors in parentheses. [1]Data source: Swenson & Burgess (2018). [2]Data source: CCDF State Policies Database. Reimbursement rates are based on families of 4. [3]Data source: CCDF Public-Use Administrative Database. [4]Data source: National Welfare Data, University of Kentucky Center for Poverty Research. For type of child care, center-based care is the reference group. For child race/ethnicity, White is the reference group.