

Appendix Table 1. Regression Results Used to Determine Factor Weights
in Calculating the Cost Index and the Predicted Cost
Connecticut, 2009–2013

	<i>Dependent Variable:</i> Log of Current Spending per Pupil
<i>Education Outcome:</i>	
Percentage of Students Reaching or Exceeding Proficiency in Math, Reading, and Writing	0.010* (0.005)
<i>Cost Factors:</i>	
Percentage of School-age Children (Aged 5–17) from Families Living in Poverty	0.012** (0.005)
Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households	0.003* (0.002)
Indicator for Enrollment < 2,000	0.072*** (0.022)
Indicator for Regional School District	0.077*** (0.019)
<i>Efficiency Variables:</i>	
Log of Real ENGL per Pupil	0.221*** (0.025)
Log of Real Median Household Income	−0.027 (0.109)
Percentage of Total Revenue from Federal and State Sources	0.003*** (0.001)
Percentage of Property Tax Base from Businesses	0.004*** (0.001)
Percentage of Registered Republican Voters	−0.006*** (0.002)
Percentage of Population Aged 65 and Older	−0.003 (0.003)
Percentage of Adults with a Bachelor's Degree or Higher	0.004*** (0.001)
Percentage of Owner-occupied Housing Units	0.003 (0.002)
Indicator for Bordering Massachusetts	−0.017 (0.022)
Indicator for Bordering New York	0.021 (0.039)
Indicator for Bordering Rhode Island	−0.078* (0.042)
Constant	−0.123 (0.730)
Observations	585
Endogeneity Test P-value	0.052
Kleibergen-Paap Underidentification Test P-value	0.017
Hansen J Overidentification Test P-value	0.218
Adjusted R-squared	0.574

Source: Zhao (2020)

Notes: The regression includes year and labor market area (LMA) fixed effects. Standard errors are clustered at the school district level. The education outcome variable is instrumented with neighbor districts' percentage of the property tax base from businesses and neighbor districts' percentage of adults without a high school degree.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Appendix Table 2. Values of Cost- and Spending-related Variables by Connecticut School District in Fiscal Year 2013

(School Districts Ordered Alphabetically)

School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
	Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
Ansonia	19.90	47.70	0	0	1.11	13.77	12.39	17.56	0.78	3.79
Avon	4.54	14.40	0	0	0.84	14.71	17.59	13.21	1.11	0.00
Berlin	8.90	16.00	0	0	0.89	15.16	17.11	13.99	1.08	0.00
Bethel	6.67	22.20	0	0	0.88	15.06	17.14	13.88	1.09	0.00
Bloomfield	13.95	48.70	0	0	1.04	20.79	20.02	16.40	1.27	0.00
Bolton	3.71	20.20	1	0	0.91	15.10	16.67	14.31	1.06	0.00
Branford	9.28	31.50	0	0	0.93	15.87	17.02	14.72	1.08	0.00
Bridgeport	28.27	57.10	0	0	1.26	13.75	10.88	19.97	0.69	6.22
Bristol	17.03	39.50	0	0	1.05	12.66	12.08	16.55	0.77	3.89
Brookfield	3.71	16.80	0	0	0.83	14.14	16.95	13.18	1.07	0.00
Canton	3.77	26.10	1	0	0.92	14.43	15.64	14.57	0.99	0.15
Cheshire	4.13	20.00	0	0	0.85	13.79	16.29	13.37	1.03	0.00
Clinton	7.51	26.20	1	0	0.97	15.42	15.98	15.25	1.01	0.00
Colchester	5.06	33.70	0	0	0.89	13.43	15.05	14.09	0.95	0.66
Coventry	4.59	30.70	1	0	0.94	14.78	15.64	14.92	0.99	0.14
Cromwell	4.29	25.80	1	0	0.93	14.25	15.36	14.65	0.97	0.40
Danbury	15.55	36.40	0	0	1.02	12.12	11.89	16.11	0.75	3.98
Darien	7.24	12.80	0	0	0.86	17.67	20.55	13.58	1.30	0.00
Derby	18.84	48.70	1	0	1.18	13.13	11.10	18.69	0.70	5.55
East Granby	5.83	12.50	1	0	0.91	17.75	19.55	14.34	1.24	0.00
East Haddam	4.38	13.60	1	0	0.90	15.06	16.82	14.14	1.07	0.00
East Hampton	4.25	18.70	1	0	0.91	14.98	16.50	14.33	1.04	0.00
East Hartford	23.70	52.20	0	0	1.18	14.87	12.61	18.63	0.80	3.76
East Haven	12.82	35.90	0	0	0.99	13.86	14.06	15.57	0.89	1.71
East Lyme	4.94	30.50	0	0	0.88	14.91	16.90	13.93	1.07	0.00
East Windsor	9.91	27.30	1	0	1.00	16.23	16.28	15.74	1.03	0.00
Ellington	4.07	24.30	0	0	0.86	12.01	14.01	13.54	0.89	1.53
Enfield	12.72	32.30	0	0	0.97	13.97	14.35	15.38	0.91	1.41
Fairfield	4.25	18.80	0	0	0.84	15.68	18.56	13.34	1.18	0.00
Farmington	4.76	17.70	0	0	0.85	15.21	17.95	13.38	1.14	0.00
Glastonbury	4.13	23.30	0	0	0.86	14.37	16.80	13.51	1.06	0.00
Granby	4.21	17.30	0	0	0.84	13.83	16.45	13.28	1.04	0.00
Greenwich	6.68	18.00	0	0	0.87	19.74	22.75	13.70	1.44	0.00
Griswold	11.45	35.00	1	0	1.04	13.30	12.80	16.41	0.81	3.11
Groton	11.34	40.00	0	0	0.98	15.81	16.13	15.48	1.02	0.00
Guilford	4.35	25.00	0	0	0.86	14.82	17.19	13.61	1.09	0.00
Hamden	10.93	37.80	0	0	0.97	17.59	18.15	15.30	1.15	0.00
Hartford	40.39	74.20	0	0	1.54	16.53	10.74	24.31	0.68	7.78
Killingly	15.94	34.50	0	0	1.02	14.14	13.88	16.09	0.88	1.95
Lebanon	6.48	32.60	1	0	0.97	14.07	14.47	15.35	0.92	1.28
Ledyard	6.08	29.00	0	0	0.89	13.29	14.93	14.06	0.95	0.77
Litchfield	10.45	25.70	1	0	1.00	16.51	16.53	15.77	1.05	0.00
Madison	3.29	12.80	0	0	0.82	14.61	17.81	12.95	1.13	0.00
Manchester	17.63	48.40	0	0	1.08	16.91	15.60	17.12	0.99	0.21
Meriden	20.73	51.60	0	0	1.14	13.30	11.71	17.94	0.74	4.64
Middletown	12.73	46.80	0	0	1.02	14.61	14.36	16.07	0.91	1.46
Milford	6.83	26.80	0	0	0.89	16.92	18.95	14.10	1.20	0.00
Monroe	5.80	18.90	0	0	0.86	15.71	18.24	13.60	1.16	0.00
Montville	8.61	34.10	0	0	0.93	15.42	16.54	14.72	1.05	0.00

Appendix Table 2
(continued from previous page)

School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
	Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
Naugatuck	13.68	39.40	0	0	1.01	14.92	14.82	15.89	0.94	0.98
New Britain	33.96	59.90	0	0	1.37	12.83	9.40	21.56	0.60	8.73
New Canaan	3.16	14.20	0	0	0.82	18.93	23.01	12.99	1.46	0.00
New Fairfield	4.34	13.70	0	0	0.83	14.54	17.45	13.15	1.11	0.00
New Haven	31.41	66.30	0	0	1.35	15.01	11.12	21.32	0.70	6.30
New London	28.99	54.10	0	0	1.26	14.85	11.75	19.96	0.74	5.11
New Milford	6.32	24.00	0	0	0.88	12.63	14.35	13.89	0.91	1.27
Newington	7.44	31.70	0	0	0.91	14.97	16.40	14.41	1.04	0.00
Newtown	3.86	14.20	0	0	0.83	14.29	17.23	13.10	1.09	0.00
North Branford	5.07	21.20	0	0	0.86	14.01	16.30	13.57	1.03	0.00
North Haven	5.40	16.00	0	0	0.85	13.50	15.89	13.41	1.01	0.00
North Stonington	8.76	25.20	1	0	0.98	15.82	16.19	15.43	1.03	0.00
Norwalk	13.90	35.60	0	0	1.00	16.62	16.65	15.76	1.05	0.00
Old Saybrook	5.17	19.90	1	0	0.92	15.29	16.59	14.55	1.05	0.00
Oxford	6.09	23.00	0	0	0.87	13.31	15.22	13.81	0.96	0.50
Plainfield	12.78	31.60	0	0	0.97	12.94	13.30	15.36	0.84	2.43
Plainville	11.05	46.40	0	0	1.00	14.95	15.02	15.73	0.95	0.77
Plymouth	7.34	27.20	1	0	0.97	13.90	14.38	15.26	0.91	1.36
Portland	4.56	13.60	1	0	0.90	14.09	15.70	14.17	0.99	0.08
Pseudo Regional 04	5.60	20.45	0	1	0.93	16.16	17.34	14.72	1.10	0.00
Pseudo Regional 05	3.66	15.09	0	1	0.90	16.05	17.91	14.15	1.13	0.00
Pseudo Regional 07	3.25	17.09	0	1	0.90	14.70	16.39	14.17	1.04	0.00
Pseudo Regional 08	2.95	11.79	0	1	0.88	13.23	15.04	13.89	0.95	0.66
Pseudo Regional 09	3.29	21.44	0	1	0.91	18.42	20.26	14.36	1.28	0.00
Pseudo Regional 11	7.56	27.32	1	1	1.05	19.86	18.97	16.53	1.20	0.00
Pseudo Regional 19	6.11	31.60	0	1	0.97	16.58	17.11	15.31	1.08	0.00
Putnam	17.54	56.00	1	0	1.19	15.13	12.71	18.80	0.80	3.67
Regional 06	7.82	13.80	1	1	1.01	16.73	16.59	15.92	1.05	0.00
Regional 10	5.63	18.50	0	1	0.93	13.36	14.41	14.64	0.91	1.28
Regional 12	5.56	23.90	1	1	1.01	24.11	23.84	15.97	1.51	0.00
Regional 13	3.70	21.60	1	1	0.98	17.39	17.70	15.51	1.12	0.00
Regional 14	5.03	19.10	1	1	0.99	15.35	15.49	15.65	0.98	0.30
Regional 15	4.18	21.30	0	1	0.92	14.92	16.24	14.51	1.03	0.00
Regional 16	5.12	24.20	0	1	0.94	13.83	14.75	14.80	0.93	0.98
Regional 17	3.02	23.60	0	1	0.91	15.18	16.64	14.41	1.05	0.00
Regional 18	4.84	33.30	1	1	1.03	18.97	18.39	16.29	1.16	0.00
Ridgefield	2.94	16.60	0	0	0.83	15.93	19.28	13.05	1.22	0.00
Rocky Hill	7.07	31.40	0	0	0.91	14.67	16.16	14.33	1.02	0.00
Seymour	8.87	27.20	0	0	0.92	13.97	15.25	14.46	0.97	0.50
Shelton	6.38	23.40	0	0	0.88	13.48	15.34	13.88	0.97	0.40
Simsbury	3.52	17.80	0	0	0.84	15.13	18.12	13.19	1.15	0.00
Somers	5.67	19.20	1	0	0.92	13.13	14.20	14.60	0.90	1.47
South Windsor	6.96	20.00	0	0	0.88	15.53	17.72	13.83	1.12	0.00
Southington	5.85	22.00	0	0	0.87	13.04	15.00	13.73	0.95	0.69
Stafford	8.35	33.30	1	0	1.00	15.48	15.54	15.73	0.98	0.25
Stamford	13.80	34.10	0	0	0.99	16.70	16.84	15.67	1.07	0.00
Stonington	7.17	33.60	0	0	0.91	14.19	15.51	14.45	0.98	0.26
Stratford	10.39	34.10	0	0	0.95	13.94	14.64	15.04	0.93	1.10
Suffield	7.50	19.90	0	0	0.88	13.55	15.37	13.92	0.97	0.37
Thomaston	5.92	34.20	1	0	0.97	14.67	15.13	15.32	0.96	0.65

Appendix Table 2
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School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
	Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
Thompson	10.62	24.10	1	0	1.00	14.03	14.09	15.73	0.89	1.70
Tolland	2.57	18.60	0	0	0.83	12.72	15.38	13.07	0.97	0.34
Torrington	12.50	42.20	0	0	1.00	14.73	14.72	15.80	0.93	1.07
Trumbull	4.02	15.40	0	0	0.83	14.33	17.18	13.17	1.09	0.00
Vernon	12.71	44.70	0	0	1.01	14.68	14.53	15.96	0.92	1.28
Wallingford	6.64	24.80	0	0	0.89	15.06	17.02	13.98	1.08	0.00
Waterbury	29.42	62.40	0	0	1.30	14.77	11.34	20.57	0.72	5.80
Waterford	6.02	24.00	0	0	0.88	17.50	19.96	13.84	1.26	0.00
Watertown	5.87	24.00	0	0	0.88	13.13	15.00	13.82	0.95	0.69
West Hartford	7.67	30.60	0	0	0.91	14.66	16.07	14.40	1.02	0.00
West Haven	19.49	41.70	0	0	1.09	14.32	13.18	17.16	0.83	2.84
Westbrook	5.98	35.70	1	0	0.98	18.38	18.84	15.40	1.19	0.00
Weston	3.01	7.90	0	0	0.81	20.05	24.88	12.72	1.58	0.00
Westport	3.79	14.70	0	0	0.83	19.20	23.13	13.11	1.46	0.00
Wethersfield	7.84	25.70	0	0	0.90	14.43	16.02	14.22	1.01	0.00
Wilton	4.04	9.80	0	0	0.82	17.99	21.93	12.95	1.39	0.00
Windham	30.37	56.90	0	0	1.30	15.99	12.34	20.46	0.78	4.47
Windsor	10.40	36.90	0	0	0.96	18.29	19.04	15.17	1.21	0.00
Windsor Locks	11.15	35.80	1	0	1.04	17.51	16.87	16.39	1.07	0.00
Wolcott	6.79	18.20	0	0	0.87	13.18	15.16	13.73	0.96	0.55

Source: Authors' calculations

Notes: Predicted cost is calculated under the assumptions that (1) student test performance target is having 82.68 percent of students reach or exceed the proficiency level, and (2) every school district's efficiency is held at the statewide average level. Pseudo Regional 04 District consists of Regional School District 04, Chester, Deep River, and Essex School Districts. Pseudo Regional 05 District consists of Regional School District 05, Bethany, Orange, and Woodbridge School Districts. Pseudo Regional 07 District consists of Regional School District 07, Barkhamsted, Colebrook, New Hartford, and Norfolk School Districts. Pseudo Regional 08 District consists of Regional School District 08, Andover, Hebron, and Marlborough School Districts. Pseudo Regional 09 District consists of Regional School District 09, Easton, and Redding School Districts. Pseudo Regional 11 District consists of Regional School District 11, Chaplin, Hampton, and Scotland School Districts. Pseudo Regional 19 District consists of Regional School District 19, Ashford, Mansfield, and Willington School Districts. Due to missing data, 19 tuition-out districts and pseudo Regional 01 (including Regional School District 01, Canaan, Cornwall, Kent, North Canaan, Salisbury, and Sharon School Districts) are excluded.

Appendix Table 3. Values of Cost- and Spending-related Variables by Connecticut School District in Fiscal Year 2013

(School Districts Ranked by the Cost Index from High to Low)

Rank	School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
		Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
1	Hartford	40.39	74.20	0	0	1.54	16.53	10.74	24.31	0.68	7.78
2	New Britain	33.96	59.90	0	0	1.37	12.83	9.40	21.56	0.60	8.73
3	New Haven	31.41	66.30	0	0	1.35	15.01	11.12	21.32	0.70	6.30
4	Waterbury	29.42	62.40	0	0	1.30	14.77	11.34	20.57	0.72	5.80
5	Windham	30.37	56.90	0	0	1.30	15.99	12.34	20.46	0.78	4.47
6	Bridgeport	28.27	57.10	0	0	1.26	13.75	10.88	19.97	0.69	6.22
7	New London	28.99	54.10	0	0	1.26	14.85	11.75	19.96	0.74	5.11
8	Putnam	17.54	56.00	1	0	1.19	15.13	12.71	18.80	0.80	3.67
9	Derby	18.84	48.70	1	0	1.18	13.13	11.10	18.69	0.70	5.55
10	East Hartford	23.70	52.20	0	0	1.18	14.87	12.61	18.63	0.80	3.76
11	Meriden	20.73	51.60	0	0	1.14	13.30	11.71	17.94	0.74	4.64
12	Ansonia	19.90	47.70	0	0	1.11	13.77	12.39	17.56	0.78	3.79
13	West Haven	19.49	41.70	0	0	1.09	14.32	13.18	17.16	0.83	2.84
14	Manchester	17.63	48.40	0	0	1.08	16.91	15.60	17.12	0.99	0.21
15	Bristol	17.03	39.50	0	0	1.05	12.66	12.08	16.55	0.77	3.89
16	Pseudo Regional 11	7.56	27.32	1	1	1.05	19.86	18.97	16.53	1.20	0.00
17	Bloomfield	13.95	48.70	0	0	1.04	20.79	20.02	16.40	1.27	0.00
18	Griswold	11.45	35.00	1	0	1.04	13.30	12.80	16.41	0.81	3.11
19	Windsor Locks	11.15	35.80	1	0	1.04	17.51	16.87	16.39	1.07	0.00
20	Regional 18	4.84	33.30	1	1	1.03	18.97	18.39	16.29	1.16	0.00
21	Danbury	15.55	36.40	0	0	1.02	12.12	11.89	16.11	0.75	3.98
22	Killingly	15.94	34.50	0	0	1.02	14.14	13.88	16.09	0.88	1.95
23	Middletown	12.73	46.80	0	0	1.02	14.61	14.36	16.07	0.91	1.46
24	Naugatuck	13.68	39.40	0	0	1.01	14.92	14.82	15.89	0.94	0.98
25	Regional 06	7.82	13.80	1	1	1.01	16.73	16.59	15.92	1.05	0.00
26	Regional 12	5.56	23.90	1	1	1.01	24.11	23.84	15.97	1.51	0.00
27	Vernon	12.71	44.70	0	0	1.01	14.68	14.53	15.96	0.92	1.28
28	East Windsor	9.91	27.30	1	0	1.00	16.23	16.28	15.74	1.03	0.00
29	Litchfield	10.45	25.70	1	0	1.00	16.51	16.53	15.77	1.05	0.00
30	Norwalk	13.90	35.60	0	0	1.00	16.62	16.65	15.76	1.05	0.00
31	Plainville	11.05	46.40	0	0	1.00	14.95	15.02	15.73	0.95	0.77
32	Stafford	8.35	33.30	1	0	1.00	15.48	15.54	15.73	0.98	0.25
33	Thompson	10.62	24.10	1	0	1.00	14.03	14.09	15.73	0.89	1.70
34	Torrington	12.50	42.20	0	0	1.00	14.73	14.72	15.80	0.93	1.07
35	East Haven	12.82	35.90	0	0	0.99	13.86	14.06	15.57	0.89	1.71
36	Regional 14	5.03	19.10	1	1	0.99	15.35	15.49	15.65	0.98	0.30
37	Stamford	13.80	34.10	0	0	0.99	16.70	16.84	15.67	1.07	0.00
38	Groton	11.34	40.00	0	0	0.98	15.81	16.13	15.48	1.02	0.00
39	North Stonington	8.76	25.20	1	0	0.98	15.82	16.19	15.43	1.03	0.00
40	Regional 13	3.70	21.60	1	1	0.98	17.39	17.70	15.51	1.12	0.00
41	Westbrook	5.98	35.70	1	0	0.98	18.38	18.84	15.40	1.19	0.00
42	Clinton	7.51	26.20	1	0	0.97	15.42	15.98	15.25	1.01	0.00
43	Enfield	12.72	32.30	0	0	0.97	13.97	14.35	15.38	0.91	1.41
44	Hamden	10.93	37.80	0	0	0.97	17.59	18.15	15.30	1.15	0.00
45	Lebanon	6.48	32.60	1	0	0.97	14.07	14.47	15.35	0.92	1.28
46	Plainfield	12.78	31.60	0	0	0.97	12.94	13.30	15.36	0.84	2.43
47	Plymouth	7.34	27.20	1	0	0.97	13.90	14.38	15.26	0.91	1.36
48	Pseudo Regional 19	6.11	31.60	0	1	0.97	16.58	17.11	15.31	1.08	0.00
49	Thomaston	5.92	34.20	1	0	0.97	14.67	15.13	15.32	0.96	0.65

Appendix Table 3
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Rank	School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
		Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
50	Windsor	10.40	36.90	0	0	0.96	18.29	19.04	15.17	1.21	0.00
51	Stratford	10.39	34.10	0	0	0.95	13.94	14.64	15.04	0.93	1.10
52	Coventry	4.59	30.70	1	0	0.94	14.78	15.64	14.92	0.99	0.14
53	Regional 16	5.12	24.20	0	1	0.94	13.83	14.75	14.80	0.93	0.98
54	Branford	9.28	31.50	0	0	0.93	15.87	17.02	14.72	1.08	0.00
55	Cromwell	4.29	25.80	1	0	0.93	14.25	15.36	14.65	0.97	0.40
56	Montville	8.61	34.10	0	0	0.93	15.42	16.54	14.72	1.05	0.00
57	Pseudo Regional 04	5.60	20.45	0	1	0.93	16.16	17.34	14.72	1.10	0.00
58	Regional 10	5.63	18.50	0	1	0.93	13.36	14.41	14.64	0.91	1.28
59	Canton	3.77	26.10	1	0	0.92	14.43	15.64	14.57	0.99	0.15
60	Old Saybrook	5.17	19.90	1	0	0.92	15.29	16.59	14.55	1.05	0.00
61	Regional 15	4.18	21.30	0	1	0.92	14.92	16.24	14.51	1.03	0.00
62	Seymour	8.87	27.20	0	0	0.92	13.97	15.25	14.46	0.97	0.50
63	Somers	5.67	19.20	1	0	0.92	13.13	14.20	14.60	0.90	1.47
64	Bolton	3.71	20.20	1	0	0.91	15.10	16.67	14.31	1.06	0.00
65	East Granby	5.83	12.50	1	0	0.91	17.75	19.55	14.34	1.24	0.00
66	East Hampton	4.25	18.70	1	0	0.91	14.98	16.50	14.33	1.04	0.00
67	Newington	7.44	31.70	0	0	0.91	14.97	16.40	14.41	1.04	0.00
68	Pseudo Regional 09	3.29	21.44	0	1	0.91	18.42	20.26	14.36	1.28	0.00
69	Regional 17	3.02	23.60	0	1	0.91	15.18	16.64	14.41	1.05	0.00
70	Rocky Hill	7.07	31.40	0	0	0.91	14.67	16.16	14.33	1.02	0.00
71	Stonington	7.17	33.60	0	0	0.91	14.19	15.51	14.45	0.98	0.26
72	West Hartford	7.67	30.60	0	0	0.91	14.66	16.07	14.40	1.02	0.00
73	East Haddam	4.38	13.60	1	0	0.90	15.06	16.82	14.14	1.07	0.00
74	Portland	4.56	13.60	1	0	0.90	14.09	15.70	14.17	0.99	0.08
75	Pseudo Regional 05	3.66	15.09	0	1	0.90	16.05	17.91	14.15	1.13	0.00
76	Pseudo Regional 07	3.25	17.09	0	1	0.90	14.70	16.39	14.17	1.04	0.00
77	Wethersfield	7.84	25.70	0	0	0.90	14.43	16.02	14.22	1.01	0.00
78	Berlin	8.90	16.00	0	0	0.89	15.16	17.11	13.99	1.08	0.00
79	Colchester	5.06	33.70	0	0	0.89	13.43	15.05	14.09	0.95	0.66
80	Ledyard	6.08	29.00	0	0	0.89	13.29	14.93	14.06	0.95	0.77
81	Milford	6.83	26.80	0	0	0.89	16.92	18.95	14.10	1.20	0.00
82	Wallingford	6.64	24.80	0	0	0.89	15.06	17.02	13.98	1.08	0.00
83	Bethel	6.67	22.20	0	0	0.88	15.06	17.14	13.88	1.09	0.00
84	East Lyme	4.94	30.50	0	0	0.88	14.91	16.90	13.93	1.07	0.00
85	New Milford	6.32	24.00	0	0	0.88	12.63	14.35	13.89	0.91	1.27
86	Pseudo Regional 08	2.95	11.79	0	1	0.88	13.23	15.04	13.89	0.95	0.66
87	Shelton	6.38	23.40	0	0	0.88	13.48	15.34	13.88	0.97	0.40
88	South Windsor	6.96	20.00	0	0	0.88	15.53	17.72	13.83	1.12	0.00
89	Suffield	7.50	19.90	0	0	0.88	13.55	15.37	13.92	0.97	0.37
90	Waterford	6.02	24.00	0	0	0.88	17.50	19.96	13.84	1.26	0.00
91	Watertown	5.87	24.00	0	0	0.88	13.13	15.00	13.82	0.95	0.69
92	Greenwich	6.68	18.00	0	0	0.87	19.74	22.75	13.70	1.44	0.00
93	Oxford	6.09	23.00	0	0	0.87	13.31	15.22	13.81	0.96	0.50
94	Southington	5.85	22.00	0	0	0.87	13.04	15.00	13.73	0.95	0.69
95	Wolcott	6.79	18.20	0	0	0.87	13.18	15.16	13.73	0.96	0.55
96	Darien	7.24	12.80	0	0	0.86	17.67	20.55	13.58	1.30	0.00
97	Ellington	4.07	24.30	0	0	0.86	12.01	14.01	13.54	0.89	1.53
98	Glastonbury	4.13	23.30	0	0	0.86	14.37	16.80	13.51	1.06	0.00
99	Guilford	4.35	25.00	0	0	0.86	14.82	17.19	13.61	1.09	0.00

Appendix Table 3
(continued from previous page)

Rank	School District	Cost Factors				Cost Index	Current Spending per Pupil (\$1,000)	Cost -adjusted Spending per Pupil (\$1,000)	Predicted Cost per Pupil (\$1,000)	Spending-to-cost Ratio	Additional Spending Needed per Pupil (\$1,000)
		Percentage of School-age Children from Families Living in Poverty (%)	Percentage of Children Enrolled in Public Schools Living in Single-parent or Non-family Households (%)	Indicator for Enrollment < 2,000	Indicator for Regional School District						
100	Monroe	5.80	18.90	0	0	0.86	15.71	18.24	13.60	1.16	0.00
101	North Branford	5.07	21.20	0	0	0.86	14.01	16.30	13.57	1.03	0.00
102	Cheshire	4.13	20.00	0	0	0.85	13.79	16.29	13.37	1.03	0.00
103	Farmington	4.76	17.70	0	0	0.85	15.21	17.95	13.38	1.14	0.00
104	North Haven	5.40	16.00	0	0	0.85	13.50	15.89	13.41	1.01	0.00
105	Avon	4.54	14.40	0	0	0.84	14.71	17.59	13.21	1.11	0.00
106	Fairfield	4.25	18.80	0	0	0.84	15.68	18.56	13.34	1.18	0.00
107	Granby	4.21	17.30	0	0	0.84	13.83	16.45	13.28	1.04	0.00
108	Simsbury	3.52	17.80	0	0	0.84	15.13	18.12	13.19	1.15	0.00
109	Brookfield	3.71	16.80	0	0	0.83	14.14	16.95	13.18	1.07	0.00
110	New Fairfield	4.34	13.70	0	0	0.83	14.54	17.45	13.15	1.11	0.00
111	Newtown	3.86	14.20	0	0	0.83	14.29	17.23	13.10	1.09	0.00
112	Ridgefield	2.94	16.60	0	0	0.83	15.93	19.28	13.05	1.22	0.00
113	Tolland	2.57	18.60	0	0	0.83	12.72	15.38	13.07	0.97	0.34
114	Trumbull	4.02	15.40	0	0	0.83	14.33	17.18	13.17	1.09	0.00
115	Westport	3.79	14.70	0	0	0.83	19.20	23.13	13.11	1.46	0.00
116	Madison	3.29	12.80	0	0	0.82	14.61	17.81	12.95	1.13	0.00
117	New Canaan	3.16	14.20	0	0	0.82	18.93	23.01	12.99	1.46	0.00
118	Wilton	4.04	9.80	0	0	0.82	17.99	21.93	12.95	1.39	0.00
119	Weston	3.01	7.90	0	0	0.81	20.05	24.88	12.72	1.58	0.00

Source: Authors' calculations

Notes: Predicted cost is calculated under the assumptions that (1) student test performance target is having 82.68 percent of students reach or exceed the proficiency level, and (2) every school district's efficiency is held at the statewide average level. Pseudo Regional 04 District consists of Regional School District 04, Chester, Deep River, and Essex School Districts. Pseudo Regional 05 District consists of Regional School District 05, Bethany, Orange, and Woodbridge School Districts. Pseudo Regional 07 District consists of Regional School District 07, Barkhamsted, Colebrook, New Hartford, and Norfolk School Districts. Pseudo Regional 08 District consists of Regional School District 08, Andover, Hebron, and Marlborough School Districts. Pseudo Regional 09 District consists of Regional School District 09, Easton, and Redding School Districts. Pseudo Regional 11 District consists of Regional School District 11, Chaplin, Hampton, and Scotland School Districts. Pseudo Regional 19 District consists of Regional School District 19, Ashford, Mansfield, and Willington School Districts. Due to missing data, 19 tuition-out districts and pseudo Regional 01 (including Regional School District 01, Canaan, Cornwall, Kent, North Canaan, Salisbury, and Sharon School Districts) are excluded.