

Appendix A. Variables Used to Update Reder's Mathematical Literacy Models by Selected Municipality, 2005 - 2007

	Percent 9th to 12th Grade	Percent HS Graduate	Percent Some College	Percent Associate Degree	Percent Bachelor's Degree	Percent Graduate Degree	Percent Black	Percent Noninstitutionalized Population 16+ with a Disability
Cuyahoga County Total	11.1	31.4	20.0	6.5	16.3	11.1	26.8	18.8
Cleveland	19.7	37.3	18.9	5.5	7.7	4.9	50.5	25.7
Cleveland Heights	7.6	18.7	18.7	6.9	21.5	24.4	39.6	15.8
East Cleveland	21.2	34.6	24.0	5.7	7.9	3.0	92.4	26.4
Euclid	10.1	36.4	24.7	7.5	12.9	6.1	41.3	13.5
Garfield Heights	13.6	43.1	18.0	7.9	8.3	4.5	25.8	22.1
Lakewood	5.4	26.7	19.7	5.7	25.6	13.9	1.9*	17.3
Maple Heights	11.6	37.4	24.1	8.6	10.8	5.9	58.4	20.7
North Olmsted	6.8	32.9	22.4	7.7	19.8	8.9	1.0*	12.7
North Royalton	4.4	30.0	20.9	9.2	21.2	12.7	0.6*	13.5
Parma	9.6	37.8	21.9	7.8	14.2	5.3	0.9*	17.6
Shaker Heights	4.1	9.7	17.4	5.3	24.9	37.0	36.5	13.5
Solon	2.0	17.3	16.9	5.8	29.8	26.7	6.2*	8.0
South Euclid	6.8	22.3	24.2	7.4	24.7	13.5	31.0	14.1
Strongsville	5.1	24.3	19.8	8.7	24.4	16.2	1.2*	11.1
Westlake	3.9	23.1	20.1	6.1	26.3	18.0	1.0*	11.9

*Data were not available in the 2005 - 2007 American Community Survey estimates; instead, data from Census 2000 were used.

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	Percent 18+ Who Speaks English Well	Percent 18+ Who Speaks English Not Well or Not at All	Percent of Total Population who is Foreign-Born and a Recent Immigrant (after 2000)	Percent of Population Who Worked 1 - 13 Weeks	Percent Sales and Administrative Assistant	Percent Professional, Technical, and Managerial	Percent Employed	Percent Unemployed
Cuyahoga County Total	2.8*	1.9*	1.5	7.1	27.2	35.4	57.9	5.9
Cleveland	2.9*	2.6*	1.4	8.4	25.2	23.3	50.1	9.8
Cleveland Heights	2.4*	2.7*	1.9	6.9	19.4	52.2	60.7	5.2
East Cleveland	1.1*	2.5*	0.8*	5.2*	27.2*	20.4*	45.9	8.6
Euclid	2.2*	1.6*	1.0	5.8	31.4	26.6	59.8	6.1
Garfield Heights	2.3*	1.0*	0.3*	5.2*	31.2	25.0	58.4	7.3
Lakewood	2.9*	2.0*	4.3	5.2	27.7	38.2	48.6	3.9
Maple Heights	2.4*	0.9*	0.5*	3.5	27.8	28.8	61.2*	3.3*
North Olmsted	2.6*	1.3*	0.1	3.8	34.0	33.2	64.9	4.0
North Royalton	3.4*	1.4*	1.1	3.2	24.1	40.0	68.1	4.8
Parma	4.1*	2.0*	1.7	5.3	30.8	29.4	60.1	4.4
Shaker Heights	1.7*	0.8*	3.2	5.1	22.0	57.7	63.6	3.7
Solon	2.8*	1.0*	1.5	5.6	27.3	52.3	67.9*	1.1*
South Euclid	3.6*	1.9*	1.2*	3.8	28.9	43.2	67.4*	2.1*
Strongsville	2.0*	1.1*	1.2	6.0	27.8	44.1	66.2	3.0
Westlake	2.5*	1.0*	1.2	4.3	28.2	47.8	61.5	1.8

*Data were not available in the 2005 - 2007 American Community Survey estimates; instead, data from Census 2000 were used.