Online Appendix A

Table 3.

List of Studies and Characteristics

Author(s) (Year)	Competition measure	Level of competition measure	Type of competition	Unit of analysis	Research Design/Estimation Method	Years of Study (S4)	Location of Study (SA3)	%FRL	%Black	%Latino
Arum, R. (1996)	market share	school	private	student	regression	n/a	National	NR	14.26%	NR
Barr, J. (2007)	market share/other	district	charter	school	school fixed effects	2006-2006	New Jersey	73%	54.80%	31.1.7%
Bayer, P. J., & McMillan, R. (2010)	other	school	public	school	regression	1990	U.S.	NR	NR	NR
Bayer, P., & McMillan, R. (2005)	other	school	public	school	regression	1990	U.S.	NR	NR	NR
Bettinger, E. P. (1999)	geographic	school	charter	school	difference in difference	1996-1999	Michigan	36.96%	14.42%	2.26%
Bettinger, E. P. (2005)	geographic	school	charter	school	difference in difference, fixed effects, instrumental variable	1996-1999	Michigan	36.28%	18.79%	NR
Bifulco, R., & Ladd, H. F. (2005)	geographic	school	charter	student	fixed effects	1996-2002	North Carolina	NR	30.40%	3.40%
Bifulco, R., & Ladd, H. F. (2006)	geographic/market share	school	charter	student	fixed effects	1996-2002	North Carolina	NR	30.40%	3.4
Blair, J. P., & Staley, S. (1995)	geographic/other	district	public	district	regression		6 MSAs in Ohio	NR	NR	NR
Bohte, J. (2004)	market share	county	charter	district	pooled time series	1997-2001	Texas	NR	NR	NR
Booker, K., Gilpatric, S. M., Gronberg, T., &	market share/geographic	district	charter	student	fixed effects	1993-2004	Texas	53%	16.20%	41.40%

Jansen, D. (2008)										
Borland, M. V., & Howsen, R. M. (1992)	market share	county	mixed	district	two-stage least squares	1989-1990	Kentucky	NR	NR	NR
Borland, M. V., & Howsen, R. M. (1993)	market share	county	mixed	district	regression	1989-1990	Kentucky	NR	NR	NR
Borland, M. V., & Howsen, R. M. (2000)	market share	county	mixed	district	regression	1989-1990	Kentucky	NR	NR	NR
Carpenter, D. M., & Medina, P. M. (2011)	market share	district	charter	district	regression	2003-2008	Colorado	39%	NR	NR
Carr, M. (2011)	policy	school	private	student	school fixed effects	2002-2008	NR	NR	NR	NR
Chakrabarti, R. (2008a)	policy	school	private	school	fixed effects regression discontinuity	1999-2002	Florida	NR	NR	NR
Chakrabarti, R. (2008b)	policy/geographic	school	private	student	school and student fixed effects	1999-2002	Florida	NR	NR	NR
Chakrabarti, R. (2013)	geographic/policy	school	private	school	regression discontinuity, fixed effects, regression	1999-2002	Florida	NR	NR	NR
Cohen-Zada, D. (2009)	market share	county	private	student	instrumental variable	1972-1979	United States	NR	15%	4%
Couch, J. F., Ii, W. F. S., & Williams, A. L. (1993)	market share	school	private	student	regression	1988-1989	North Carolina	NR	NR	NR
Couch, J. F., Shughart, W. F., & Williams, A. (1993)	market share	county	private	county	regression	1988-1989	Mixed	NR	NR	NR

Cremata, E. J. & Raymond, M. E. (2014)	market share other	school	charter	student	difference-in-difference student/school fixed effects	2005-2009	Washington, D.C.	71.2%	82.3%	10.2%
Davis, T. M. (2013)	geographic	school	charter	student	regression	2002	United States	42%	43.40%	18.30%
Ertas, N. (2007)	market share/geographic	school	charter	school	difference-in-difference	1995-2001	Texas	NR	NR	NR
Figlio, D. N., & Rouse, C. E. (2006)	policy	school	private	school/student	student fixed effects	1995-2000	Florida	NR	NR	NR
Figlio, D. N. & Hart, C. M. D. (2010)	market share/geographic	school	private	student	school fixed effects	1999-2002	Florida	35%	22%	20%
Figlio, D., & Hart, C. M. D. (2011)	market share/geographic	school	private	student	regression	1999-2007	Florida	NR	NR	NR
Forster, G. (2008)	policy	school	private	school	regression	2001-2007	Florida	NR	NR	NR
Geller, C. R. (2000)	market share	school	private	student	instrumental variables	1988-1990	Georgia	NR	26.28%	NR
Geller, C. R., Sjoquist, D. L., & Walker, M. B. (2006)	geographic/market share	county	private	district	instrumental variable	1986-1990	Georgia	17.31%[1]	26.28%	NR
Gray, N. L. (2012)	policy	district	charter	school	school fixed effects	2001-2008	Ohio	36.60%	NR	NR
Greene, J. P. (2001)	policy	school	public	school	group difference	1999-2000	Florida	NR	NR	NR
Greene, J. P., & Winters, M. A. (2008)	geographic	school	private	school	student and school fixed effects	2000-2005	Florida	NR	NR	NR
Greene, J. P., Forster, G. (2002)	policy/geographic	school	mixed	school	regression	1998-2002	Florida	NR	NR	NR

[1] households with children below poverty in county

Greene, J. P., & Marsh, R. H. (2009)	geographic	school	private	student	student fixed effects	1999-2006	Milwaukee	74.85%	NR	NR
Greene, J. P., Winters, M. A. (2003)	policy	school	private	school	regression	1998-2003	Florida	69%-88%	NR	NR
Greene, J. P., &Winters, M. A. (2006)	geographic	school	mixed	school	regression	2003-2005	Washington, D.C.	NR	NR	NR
Greene, K. V., & Byung-Goo, K. (2004)	market share	district	private	student	instrumental variables	1989-1993	New York State	NR	NR	NR
Henry, G. T., & Gordon, C. S. (2006)	market share	county	mixed	student	instrumental variable	1996-1997	Georgia	NR	40%	4%
Holmes, G. M., DeSimone, J., & Rupp, N. G. (2003)	geographic	school	charter	school	regression	1996-2000	North Carolina	38.20%	31.90%	3.30%
Hoxby, C. M. (1994)	market share	county	private	student	regression, instrumental variable		National	NR	23.25%	14.58%
Hoxby, C. M. (1996)	policy	metropolitan area	private	student	instrumental variable		Northeastern US	NR	24%	14%
Hoxby, C. M. (1999)	policy/market share	metropolitan area	mixed	NR	NR		US	NR	NR	NR
Hoxby, C. M. (2000)	market share	district	public	student	regression	1994, 1998	U.S.	NR	NR	NR
Hoxby, C. M. (2003)	market share	metropolitan area, school, district	mixed	school	school fixed effects, differences-in-differences analysis, detrended analysis	1994 1996-2000 1992-2000 1992-2000	U.S. Wisconsin Michigan Arizona	81.30%	65.40%	2.90%
Hoxby, C. M. (2003)	market share	district	voucher	school	regression	1992-2002 1992-2002	Michigan Arizona	NR	NR	NR

Husted, T. A., & Kenny, L. W. (2000)	market share	school	private	state	regression	1987-1992	37 states (excluding Idaho, Iowa, Kansas, Kentucky, Louisiana, Mississippi, Montana, Nebraska, North Carolina, North Dakota, South Dakota, Utah, and Wyoming)	NR	NR	NR
Imberman, S. A. (2007)	market share/geographic	school	charter	student	student and school fixed-effects	1994-2005	U.S.	74.8% - 82.3%	NR	NR
Imberman, S. A. (2011)	market share	school	charter	student	student fixed effects	1999-2005	US: Southwest	72%-80%	35%-37%	50%-56%
Jackson, P. J. (1998)	market share	district	mixed	district	regression	1995-1996	Southeast Michigan (3 counties)	NR	NR	NR
Jacob, A. (2014)	geography/market share	school	private	school	school-level fixed effects regression discontinuity	2010-2013	Louisiana	87.45%	69.69%	3.53%
Jepsen, C. (2002)	market share	county	private	county	regression	1988	U.S.	NR	NR	NR
Jepsen, C. A. (2000)	geographic/market share	school	private	student	regression	1972-1990	U.S.	NR	NR	NR
Jha, N. K. (2013)	geography/market share	district	public	student	fixed effects, random effects, Hausman-Taylor regression	1990-1995	U.S.	33.23%	31.20%	17.70%
Jinnai, Y. (2014)	market share	school	charter	student	fixed effects	1997-2005	North Carolina	40.85%	29.1%	4.7%
Kamienski, A. L. (2009)	geographic	school	charter	school	multi-level model	2002-2005	Illinois	NR	NR	NR
Kamienski, A. L.(2011)	geographic	school	charter	school	multi-level model	2002-2005	Chicago	NR	NR	NR
Kang, B. G., &	market share	school	mixed	student/school	regression	1989-1993	Upstate New York	NR	NR	NR

Greene, K. V. (2002)										
Ladner, M. (2007)	market share	school	mixed	school	regression	2001-2004	Arizona	7.04%-15.99%	NR	8.25%-20.99%
Lee, Y. G. (2013)	market share	district/county	mixed	student	group comparison, random effects, student fixed effects, student-school/student-district spell fixed effects, instrumental variable	1998-2004	Nationwide	NR	21%	16.20%
Lowe, N. R. (2013)	policy	school	private	student	paired t-test, regression	2001-2012	Ohio	NR	NR	NR
Mader, N. S. (2010)	market share	school	private	student	school fixed effects	NR	Milwaukee	79%	59%	24%
Maranto, R., Milliman, S., & Stevens, S. (2000)	market share	district	private	district	regression	1988	Florida	NR	NR	NR
Marlow, M. L. (1997)	market share	school/district	mixed	student	regression	1988-1993		NR	NR	NR
Martineau, M.D. (2013)	geographic/market share	school	charter	school	school fixed effects	2005-2010	Utah	NR	NR	NR
McHugh, C. (2005)	geographic	metropolitan area	mixed	metropolitan area	regression	1990	U.S.	NR	NR	NR
McMillan, R. (1999)	market share	district	private	school/student	instrumental variable	1988	U.S.	NR	11.10%	8.60%
Merrifield, J., & Gray, N. (2009)	policy	school	private	student/school	school fixed effects	2003-2008	Texas	NR	NR	NR
Misra, K. (2010)	geographic/market share	school	private	school	regression	2005-2006	Mississippi	60%-64%	46.81%-58%	NR
Misra, K., Grimes, P. W., & Rogers, K. E. (2012)	geographic/market share	school	private	school	regression	2005-2006	Mississippi	64.14%	48.43%	NR

Newmark, C. M. (1995)	market share	county	private	county	regression	1989-1990	North Carolina	NR	NR	NR
Ni, Y. (2007)	market share	district	charter	school	regression	1994-2004	Michigan	32%	17%	3%
Ni, Y. (2009)	market share	district	charter	school	regression, fixed effects, first differencing, random trend	1994-2004	Michigan	32%	17.38%	3.42%
Nisar, H. D. (2011)	geographic	school	mixed	student	student and school fixed effects	2001-2009	Milwaukee	81%	62%	71%
Nisar, H. D. (2012)	geographic	school	mixed	student	student and school fixed effects	2001-2009	Milwaukee	81%	62%	17%
Rothstein, J. (2004)	geographic	district	public	student	instrumental variable	1994, 1998	U.S.	NR	0.89	0.49
Rothstein, J. M. (2006)	market share	metropolitan area	public	school	regression	1988-1994	National	NR	9%-13%	11%-14%
Rouse, C. E., Hannaway, J., Goldhaber, D., Figlio, D. (2007)	policy/law	school	mixed	student	regression discontinuity	2002-2005	Florida	NR	NR	NR
Sander. W. (1999)	market share	county	private	county	regression	1989-1990	Chicago	22.3%-41.1%	12.2%-23.3%	5.3%-10.8%
Sass, T. R. (2006)	geographic/market share	school	mixed	student	student and school fixed effects	1999-2003	Florida	37%-45%	24%-29%	21%
Simon, C. A., & Lovrich, N. P. (1996)	market share	district	private	district	regression	1990	Washington State	NR	NR	NR
Smith, K. B., & Meier, K. J. (1995)	market share	district	private	district	regression	1986-1990	Florida	NR	NR	NR
Snyder, S. (2011)	market share	school	public	school	regression	2002-2010	Illinois	NR	55.30%	31.60%
West, M. R., & Peterson, P. E. (2006).	policy/geographic	school	private	student	student fixed effects	2002-2004	Florida	74.85%	NR	NR
Winters, M. A. (2012)	market share	school	charter	student	student fixed effects		New York City	NR	32.60%	39%

Winters, M. A., & Greene, J. P. (2011)	geographic	school	private	student	fixed effects	2002-2005	Florida	NR	NR	NR
Wrinkle, R. D., Stewart, J., & Polinard, J. L. (1999)	market share	county	private	county	regression	1986-1990	Texas	NR	NR	NR
Zanzig, B. R. (1997)	geographic/market share	county	mixed	district	instrumental variable, regression	1970	California	20.98%	NR	NR
Zimmer, R., & Buddin, R. (2009)	geographic/market share	school	charter	school	student and school fixed effects	2001-2008	Philadelphia	78.26%	11.57%	64.61%
Zimmer, R., Blanc, S., Gill, B., & Christman, J. (2009)	geographic	school	charter	school	student and school fixed effects	1997-2002	6 California districts	78.26%	11.57%	64.61%
Zimmer, R., Gill, B., Booker, K., Lavertu, S., Sass, T. R., & Witte, J. (2009)	geographic	school	charter	student	student and school fixed effects	1997-1998 1997-1998 2006-2006 1997-2007 1997-2007 2000-2007 1997-1998	Chicago Denver Milwaukee Philadelphia San Diego Ohio Texas	NR	NR	NR

Online Appendix B. References for Articles Included in Meta-Analysis

*Arum, R. (1996). Do Private Schools Force Public Schools to Compete? American Sociological Review, 61(1), 29–46. http://doi.org/10.2307/2096405

Bagley, C. (2006). School choice and competition: A public-market in education revisited. *Oxford Review of Education*, *32*(3), 347–362.

*Barr, J. (2007). Charter School Performance in New Jersey, 24–24.

*Bayer, P. J., & McMillan, R. (2010). Choice and Competition in Education Markets, 45–45.

*Bayer, P., & McMillan, R. (2005). Choice and Competition in Local Education Markets (Working Paper No. 11802). National Bureau of Economic Research. https://doi.org/10.3386/w11802

*Bettinger, Eric. 1999. The Effect of Charter Schools on Charter Students and Public Schools. National Center for Study of Privatization in Education, Teachers College, Columbia University.

*Bettinger, E. P. (2005). The effect of charter schools on charter students and public schools. Economics of Education Review, 24(2), 133–147.

*Bifulco, R., & Ladd, H. F. (2005). Results from the Tar Heel State: Older Students Did Better when in Regular Public Schools. Education Next, 5(4), 60–66.

*Bifulco, R., & Ladd, H. F. (2006). The Impacts of Charter Schools on Student Achievement: Evidence from North Carolina. Education Finance and Policy, 1(1), 50–90. http://doi.org/10.1162/edfp.2006.1.1.50

*Blair, J. P., & Staley, S. (1995). Quality Competition and Public Schools: Further Evidence. Economics of Education Review, 14(2), 193–98.

*Bohte, J. (2004). Examining the Impact of Charter Schools on Performance in Traditional Public Schools. Policy Studies Journal, 32(4), 501–520. http://doi.org/10.1111/j.1541-0072.2004.00078.x

*Booker, K., Gilpatric, S. M., Gronberg, T., & Jansen, D. (2008). The effect of charter schools on traditional public school students in Texas: Are children who stay behind left behind? Journal of Urban Economics, 64(1), 123–145. http://doi.org/10.1016/j.jue.2007.10.003

*Borland, M. V., & Howsen, R. M. (1992). Students Academic Achievement and the Degree of Market Concentration in Education. Economics of Education Review, 11(1), 31–39.

*Borland, M. V., & Howsen, R. M. (1993). On the Determination of the Critical Level of Market Concentration in Education. Economics of Education Review, 12(2), 165–69.

*Borland, M. V., & Howsen, R. M. (2000). Manipulable Variables of Policy Importance: The Case of Education. Education Economics, 8(3), 241–248.

*Carpenter, D. M., II, & Medina, P. M. (2011). Exploring the Competitive Effects of Charter Schools. International Journal of Educational Reform, 20(1), 33–56.

*Carr, M. (2011). Impact of Ohio's EdChoice on Traditional Public School Performance, The. Cato Journal, 31, 257.

*Chakrabarti, R. (2008). Impact of Voucher Design on Public School Performance: Evidence from Florida and Milwaukee Voucher Programs (SSRN Scholarly Paper No. ID 1086772). Rochester, NY: Social Science Research Network. Retrieved from http://papers.ssrn.com/abstract=1086772

*Chakrabarti, R. (2008). Can increasing private school participation and monetary loss in a voucher program affect public school performance? Evidence from Milwaukee. Journal of Public Economics, 92(5–6), 1371–1393. http://doi.org/10.1016/j.jpubeco.2007.06.009

*Chakrabarti, R. (2013). Vouchers, Public School Response, and the Role of Incentives: Evidence from Florida. Economic Inquiry, 51(1), 500–526. http://doi.org/10.1111/j.1465-7295.2012.00455.x

*Cohen-Zada, D. (2009). An Alternative Instrument for Private School Competition. Economics of Education Review, 28(1), 29–37.

*Couch, J. F., Ii, W. F. S., & Williams, A. L. (1993). Private school enrollment and public school performance. Public Choice, 76(4), 301–312. http://doi.org/10.1007/BF01053301

*Couch, J. F., Shughart, W. F., & Williams, A. (1993). Private school enrollment and public school performance. *Public Choice,76*, 301-312.

*Cremata, E. J., & Raymond, M. E. (2014, March). The competitive effects of charter schools: Evidence from the District of Columbia. In Association for Education Finance and Policy Conference Working Paper.

*Davis, T. M. (2013). Charter School Competition, Organization, and Achievement in Traditional Public Schools. Education Policy Analysis Archives, 21(88).

*Ertas, Nevbahar, "Public School Responses to Charter School Presence." Dissertation, Georgia State University, 2007. http://scholarworks.gsu.edu/pmap_diss/16

*Figlio, D. N., & Rouse, C. E. (2006). Do accountability and voucher threats improve low-performing schools? Journal of Public Economics, 90(1–2), 239–255. http://doi.org/10.1016/j.jpubeco.2005.08.005

*Figlio, D. N., Hart, C. M. D., & National Bureau of Economic Research. (2010). Competitive Effects of Means-Tested School Vouchers. NBER Working Paper No. 16056. National Bureau of Economic Research. Retrieved from eric. (National Bureau of Economic Research. 1050 Massachusetts Avenue, Cambridge, MA 02138-5398. Tel: 617-588-0343; Web site: http://www.nber.org)

*Figlio, D., & Hart, C. M. D. (2011). Does Competition Improve Public Schools? New Evidence from the Florida Tax-Credit Scholarship Program. Education Next, 11(1), 74–80.

*Forster, G. (2008). Lost Opportunity: An Empirical Analysis of How Vouchers Affected Florida Public Schools. School Choice Issues in the State. Friedman Foundation for Educational Choice. Retrieved from http://eric.ed.gov/?id=ED508458

*Geller, C. R. (2000). Private schools and public quality: An analysis of the effects of private schools on public school performance (Ph.D.). Georgia State University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (304592221)

*Geller, C. R., Sjoquist, D. L., & Walker, M. B. (2006). The effect of private school competition on public school performance in Georgia. Public Finance Review, 34(1), 4–32.

Gewirtz, S., Ball, S. J., & Bowe, R. (1995). *Markets, choice and equity in education*. Maidenhead, U.K.: Open University Press.

*Gray, N. L. (2012). School Choice And Achievement: The Ohio Charter School Experience. *CATO Journal, 32*(3), 557–579.

*Greene, J. P., & others. (2001). An evaluation of the Florida A-Plus accountability and school choice program. Center for Civic Innovation at the Manhattan Institute.

*Greene, J. P., & Winters, M. A. (2008). The effect of special-education vouchers on public school achievement: Evidence from Florida's McKay Scholarship Program. Manhattan Institute New York, NY. Retrieved from http://www.manhattan-institute.org/pdf/Effect_of_Vouchers_for_SE_Students_on_Public_School_Achievement_2-19-08.pdf

*Greene, J. P., Forster, G., & Manhattan Inst., N. Y. NY. Center for Civic Innovation. (2002). Rising to the Challenge: The Effect of School Choice on Public Schools in Milwaukee and San Antonio. *Civic Bulletin*. Retrieved from: http://www.manhattan-institute.org/cb_27.pdf.

*Greene, J. P., Marsh, R. H., & University of Arkansas, S. C. D. P. (SCDP). (2009). The Effect of Milwaukee's Parental Choice Program on Student Achievement in Milwaukee Public Schools. SCDP Comprehensive Longitudinal Evaluation of the Milwaukee Parental Choice Program. Report #11. School Choice Demonstration Project. Retrieved from: http://www.uark.edu/ua/der/SCDP.html

*Greene, J. P., Winters, M. A., & Manhattan Inst., N. Y. NY. Center for Civic Innovation. (2003). When Schools Compete: The Effects of Vouchers on Florida Public School Achievement. Education Working Paper. Retrieved from:: http://www.manhattan-institute.org.

*Greene, J. P., Winters, M. A., Manhattan Inst., N. Y. NY. Center for Civic Innovation., & Georgetown Univ., W., DC. (2006). An Evaluation of the Effect of D.C.'s Voucher Program on Public School Achievement and Racial Integration after One Year. Education Working Paper No. 10. Center for Civic Innovation. Retrieved from: http://www.manhattan-institute.org

*Greene, K. V., & Byung-Goo, K. (2004). The Effect of Public and Private Competition on High School Outputs in New York State. *Economics of Education Review, 23*(5), 497–506.

*Hammons, C. W. (2001). School Choice in Depth: The Effects of Town Tuitioning in Vermont and Maine. Milton & Rose D. Friedman Foundation.

*Henry, G. T., & Gordon, C. S. (2006). Competition in the Sandbox: A Test of the Effects of Preschool Competition on Educational Outcomes. Journal of Policy Analysis and Management, 25(1), 97–127.

*Holmes, G. M., DeSimone, J., & Rupp, N. G. (2003). Does School Choice Increase School Quality? (Working Paper No. 9683). National Bureau of Economic Research. Retrieved from http://www.nber.org/papers/w9683

*Hoxby, C. M. (1994). Do Private Schools Provide Competition for Public Schools? (Working Paper No. 4978). National Bureau of Economic Research. Retrieved from http://www.nber.org/papers/w4978

*Hoxby, C. M. (1996). The effects of private school vouchers on schools and students. Holding Schools Accountable: Performance-Based Reform in Education, 177–208.

*Hoxby, C. (1999). Where should federal education initiatives be directed? In Hammons, C. W. (Eds). Financing College Tuition: Government Policies and Educational Priorities. Milton & Rose D. Friedman Foundation.

*Hoxby, C. M. (2000). Does Competition among Public Schools Benefit Students and Taxpayers? The American Economic Review, 90(5), 1209–1238.

*Hoxby, C. M. (2003). School choice and school productivity. Could school choice be a tide that lifts all boats? In The economics of school choice (pp. 287–342). University of Chicago Press.

*Hoxby, Caroline, 2003b. School choice and school competition: evidence from the United States. *Swedish Economic Policy Review, 10*, 11–67.

*Husted, T. A., & Kenny, L. W. (2000). Evidence on the Impact of State Government on Primary and Secondary Education and the Equity-Efficiency Trade-Off. The Journal of Law & Economics, 43(1), 285–308. http://doi.org/10.1086/467456

*Imberman, S. A. (2007). The effect of charter schools on non-charter students: An instrumental variables approach. New York: National Center for the Study of Privatization in Education. Retrieved from http://virww.ncspe.org/publications_files/OP149.pdf

*Imberman, S. A. (2011). The effect of charter schools on achievement and behavior of public school students. Journal of Public Economics, 95(7–8), 850–863. http://doi.org/10.1016/j.jpubeco.2011.02.003

*Jackson, P. J. (1998). School competition and student achievement: An analysis of southeastern Michigan (Ph.D.). Wayne State University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (304453472)

*Jacob, A. (2014). Means-Tested Vouchers: Impacts on Public School Performance & Racial Stratification (Ph.D.). University of Arkansas, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1561345849)

Jennings, J. (2010). School choice or schools' choice?: Managing in an era of accountability. *Sociology of Education, 83*(3), 227–247.

*Jepsen, Christopher. (2002). The role of aggregation in estimating the effects of private school competition on student achievement, Journal of Urban Economics, Elsevier, 52(3), 477-500.

*Jepsen, C. A. (2000). The private schooling market and its effects on student achievement (Ph.D.). Northwestern University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (304630287)

*Jha, N. K. (2013). Roles of school district competition and political institutions in public school spending and student achievement (Ph.D.). The University of North Carolina at Charlotte, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1494494106)

*Jinnai, Y. (2014). Direct and indirect impact of charter schools' entry on traditional public schools: New evidence from North Carolina. Economics Letters, 124(3), 452-456.

*Kamienski, A. L. (2009). Competition within the market for publicly-funded education: An investigation of the impacts of charter schools on the academic achievement of elementary students attending both charter and traditional public schools within the Chicago public schools system. ProQuest Information & Learning, US. Retrieved from psyh. (2009-99110-214)

*Kamienski, A. (2011). Competition: Charter and Public Elementary Schools in Chicago. Journal of School Choice, 5(2), 161–181.

*Kang, B. G., & Greene, K. V. (2002). The effects of monitoring and competition on public education outputs: A stochastic frontier approach. Public Finance Review, 30(1), 3.

*Ladner, M. (2007). The Impact of Charter Schools on Catholic Schools: A Comparison of Programs in Arizona and Michigan. Catholic Education: A Journal of Inquiry and Practice, 11(1), 102–114.

*Lee, Y. G. (2013). The Effect of Competitive Threat on Student Achievement in Traditional Public Schools (Ph.D.). The University of Wisconsin - Madison, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1283387063)

*Lowe, N. R. (2013). The competitive effect of vouchers on the performance of traditional public schools in Hamilton County, Ohio (Ph.D.). Purdue University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1511025246)

*Mader, N. S. (2010, January 1). School Choice, Competition, and Academic Quality: Essays on the Milwaukee Parental Choice Program. ProQuest LLC. Retrieved from: http://www.proquest.com/en-US/products/dissertations/individuals.shtml)

Maranto, R., Milliman, S., & Hess, F. (2010). How traditional public schools respond to competition: The mitigating role of organizational culture. *Journal of School Choice*, *4*(2), 113–136.

*Maranto, R., Milliman, S., & Stevens, S. (2000). Does Private School Competition H-arm Public Schools? Revisiting Smith and Meier's The Case Against School Choice. *Political Research Quarterly, 53*(1), 177–192. http://doi.org/10.1177/106591290005300109

*Marlow, M. L. (1997). Public education supply and student performance. *Applied Economics*, *29*(5), 617–626. http://doi.org/10.1080/000368497326813

*Martineau, M. D. (2013). The competitive effects of charter schools in Utah (Ph.D.). The University of Utah, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1369011617)

*McHugh, C. M. (2005). School competition and empirical evidence on the strategic behavior of schools (Ph.D.). Duke University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (304995296)

*McMillan, R. (1999). Competition, parental involvement, and public school performance (Ph.D.). Stanford University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (304525823)

*Merrifield, J., & Gray, N. (2009). An evaluation of the CEO horizon, 1998-2008, Edgewood tuition voucher program. Journal of School Choice, 3(4), 414.

*Misra, K. (2010). Does competition improve public school efficiency? A spatial analysis (Ph.D.). Mississippi State University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (737521433)

*Misra, K., Grimes, P. W., & Rogers, K. E. (2012). Does competition improve public school efficiency? A spatial analysis. *Economics of Education Review, 31*(6), 1177–1190.

*Newmark, C. M. (1995). Another look at whether private schools influence public school quality: Comment. *Public Choice, 82*(3-4), 365–373. http://doi.org/10.1007/BF01047704

*Ni, Y. (2007) School Efficiency, Social Stratification, and School Choice: An Examination of Michigan's Charter School Program. Dissertation 1-165, Michigan, USA: UMI

*Ni, Y. (2009). The impact of charter schools on the efficiency of traditional public schools: Evidence from Michigan. *Economics of Education Review*, *28*(5), 571–584.

*Nisar, H. (2011). Three essays on the economics of education (Ph.D.). The University of Wisconsin - Madison, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (910553917)

*Nisar, H. D. (2012). Heterogeneous competitive effects of charter schools in Milwaukee. NCSPE Occasional Paper # 202.

*Rothstein, J. (2004). Does competition among public schools benefit students and taxpayers: Comment. Unpublished manuscript, Princeton University.

*Rothstein, J. M. (2006). Good principals or good peers? parental valuation of school characteristics, Tiebout equilibrium, and the incentive effects of competition among jurisdictions. *The American Economic Review*, *96*(4), 1333-1350.

*Rouse, C. E., Hannaway, J., Goldhaber, D., & Figlio, D. (2013). Feeling the Florida Heat? How Low-Performing Schools Respond to Voucher and Accountability Pressure. *American Economic Journal: Economic Policy*, *5*(2), 251–281. https://doi.org/10.1257/pol.5.2.251

*Sander, W. (1999). Private Schools and Public School Achievement. The Journal of Human Resources, 34(4), 697–709. http://doi.org/10.2307/146413

*Sass, T. R. (2006). Charter schools and student achievement in Florida. *Education Finance and Policy*, *1*(1), 91–122.

*Simon, C. A., & Lovrich, N. P. (1996). Private School Enrollment and Public School Performance: Assessing the Effects of Competition upon Public School Student Achievement in Washington State. *Policy Studies Journal*, *24*, 666-675.

*Smith, K. B., & Meier, K. J. (1995). Public Choice in Education: Markets and the Demand for Quality Education. *Political Research Quarterly*, *48*(3), 461–478. http://doi.org/10.1177/106591299504800301

*Snyder, S. (2011). Spatial dynamics of urban development: School competition and public housing policy (Ph.D.). Purdue University, Ann Arbor. Retrieved from ProQuest Dissertations & Theses Full Text. (1014166224)

*West, M. R., & Peterson, P. E. (2006). The Efficacy of Choice Threats Within School Accountability Systems: Results from Legislatively Induced Experiments. The Economic Journal, 116(510), C46–C62. http://doi.org/10.1111/j.1468-0297.2006.01075.x

*Winters, M. A. (2012). Measuring the Effect of Charter Schools on Public School Student Achievement in an Urban Environment: Evidence from New York City. *Economics of Education Review*, *31*(2), 293–301.

*Winters, M. A., & Greene, J. P. (2011). Public School Response to Special Education Vouchers: The Impact of Florida's McKay Scholarship Program on Disability Diagnosis and Student Achievement in Public Schools. *Educational Evaluation and Policy Analysis*, *33*(2), 138–158.

*Wrinkle, R. D., Stewart, J., & Polinard, J. L. (1999). Public School Quality, Private Schools, and Race. American Journal of Political Science, 43(4), 1248–1253. http://doi.org/10.2307/2991826

*Zanzig, B. R. (1997). Measuring the Impact of Competition in Local Government Education Markets on the Cognitive Achievement of Students. Economics of Education Review, 16(4), 431–41.

*Zimmer, R., & Buddin, R. (2009). Is charter school competition in California improving the performance of traditional public schools? *Public Administration Review, 69*(5), 831–845. http://doi.org/10.1111/j.1540-6210.2009.02033.x

*Zimmer, R., Blanc, S., Gill, B., Christman, J., & RAND Education. (2008). Evaluating the Performance of Philadelphia's Charter Schools. Working Paper WR-550-WPF. Santa Monica, CA: RAND Corporation. Retrieved from: http://www.rand.org

*Zimmer, R., Gill, B., Booker, K., Lavertu, S., Sass, T. R., Witte, J., & RAND Education. (2009). Charter Schools in Eight States: Effects on Achievement, Attainment, Integration, and Competition. RAND Corporation.

Online Appendix B

Figure 1

Forest Plot: District/County Level Studies

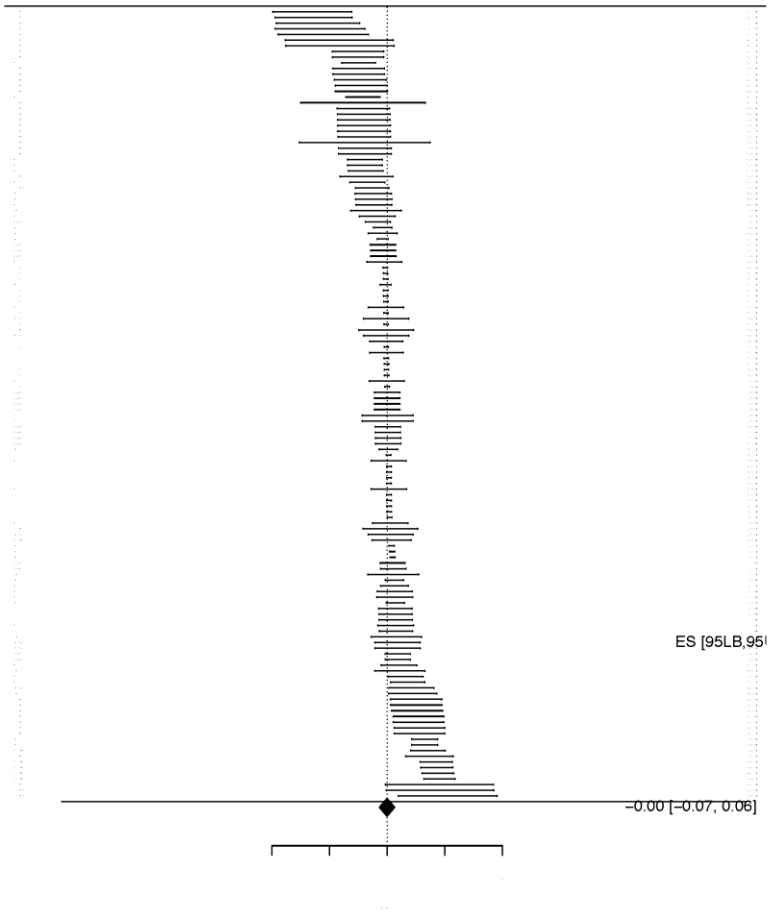

Figure 2

Forest Plot: School-Level Studies

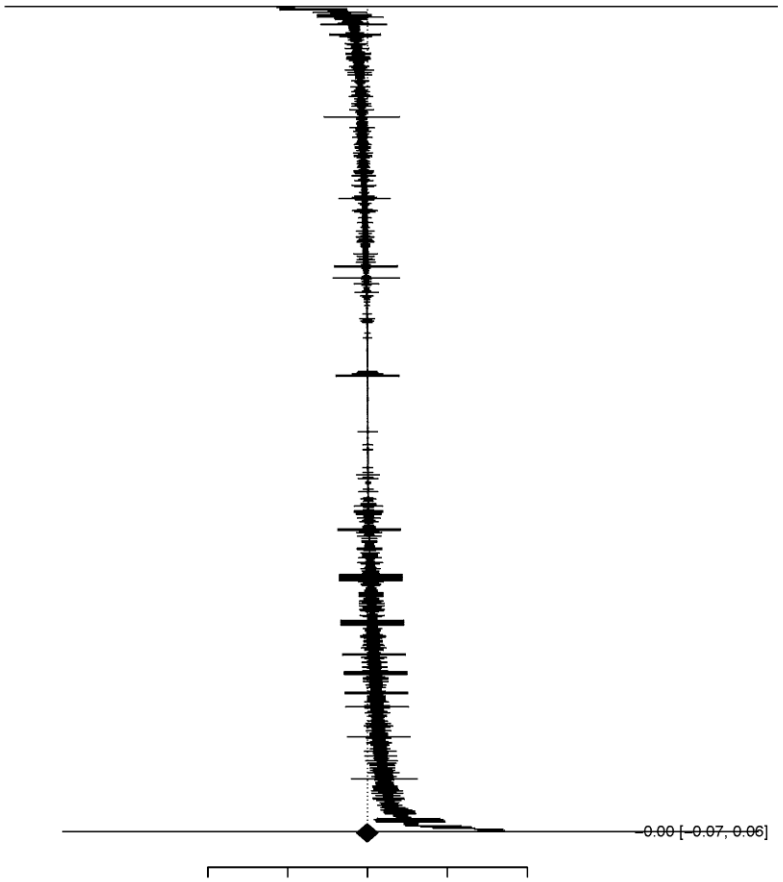

Figure 3

Forest Plot: Student-Level Studies