



## **Shortage of Special Education Expertise Among Teachers and Higher Education Faculty**

### **Special Education Teacher Shortage**

- The national shortage of highly qualified special education teachers is 11.2%. In other words approximately 45,514 of those serving as special education teachers do not meet required standards (U.S. Department of Education, 2008). This shortage has persisted for decades.
- Secondary special education teachers are particularly underqualified – one report found that between 82% and 99% of secondary special education teachers are not highly qualified in the academic content areas that they teach (McLeskey & Billingsley, 2008).
- 98% of the nation’s school districts report special education teacher shortages (McLeskey, Tyler and Flippin, 2003, 2004)
- Unqualified teachers are directly related to low achievement of the students they teach (Futernick, 2007).
- The demand for special educators is expected to increase by 17% from now through 2018 – a rate greater than what is predicted for all other occupations. (Bureau of Labor Statistics, US Department of Labor, 2009).

### **Special Education Teacher Attrition and Retirement**

- The annual attrition rate for special education teachers is 13% -- twice the rate for general education teachers (COPSSE, 2004)
- Attrition within three years of licensing is greater for short, alternative preparation routes (60%) than for standard 4 year programs (30%) or 5 year programs (10-15%; Berry, 2001; Brownell, Hirsch, Seo 2004; Darling-Hammond, 2000).
- Estimated conservatively, American schools spend between \$2.2 and \$2.6 billion annually replacing teachers who have dropped out of the profession (Alliance for Excellent Education, 2005; McKinney, Berry, Dickerson, & Campbell-Whately, 2007)

- Approximately half of the nation's 3.2 million teachers are baby-boomers and one million may retire in the next four years. By 2014, up to a million new teachers will be needed (Duncan, 2009).

### **Shortage of Special Education Expertise Among General Educators**

- General education teachers report lacking needed skills to effectively instruct students with disabilities (Abt Associates Inc, 2006).
- Today 55% of students with disabilities are instructed in general education classrooms 80% or more of the time. Thus, general education teachers are increasingly responsible for educating students with disabilities (Abt Associates Inc, 2005).
- Many teacher preparation programs for general educators require minimal preparation in instructing students with disabilities (GAO, 2009).
- Alternative route programs in general education may have limited application to the education of students with disabilities due to the lack of pedagogical focus (Rosenberg, Boyer, Sindelar, & Misra, 2007).

### **Special Education Faculty Shortage:**

- In addition to the shortage of special education teachers, there is a long term shortage of special education faculty. (Smith, Pion, Tyler, & Gilmore, 2003; Smith, Pion, Tyler, Sindelar, & Rosenberg, 2001)
- The shortage of special education faculty curtails our nation's capacity to prepare both special education teachers and general education teachers so that they will have the skills to instruct students with disabilities (Smith, Robb, West, & Tyler, in press).

### **Impact of Federal Funding on the Special Education Faculty Shortage**

- An increase of \$8 million in FY2002 for Personnel Preparation under IDEA accompanied by congressional report language targeting the new funds toward the shortage of special education faculty in higher education initiated a shift toward greater faculty production.
  - The number of graduates with special education doctorates increased from 213 in 2002 to 296 in 2007 (National Science Foundation, 2007-8).
  - The number of doctoral programs in special education increased from 82 in 1999 to 97 in 2009 – a 16% increase (Smith, 2010)
  - The percentage of doctorates in special education working in higher education increased from 49% in 2001 to 63% in 2006 (National Science Foundation, 2009).

- The only federal program that supports doctoral study in special education is the Office of Special Education's Leadership Grant program (authorized under Sec. 662 of IDEA). Doctoral students supported by these funds have a completion rate that is higher than that for doctoral candidates supported by all other long standing doctoral programs supported by the federal government (e.g., this includes programs administered by IES, NIH, NSF, NIMH; Smith & Robb, 2009).
- Of 97 colleges and universities with doctoral programs in special education, federal support for doctoral study in special education goes to only 44 of them (Smith, 2010)

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## References

- Abt Associates Inc (2006, April). *Marking the progress of IDEA implementation and volume I: the SLIIDEA Sourcebook Report (1999-2000, 2002-2003, 2003-2004, and 2004-2005 School Years)*. Washington, DC: Author.
- Abt Associates Inc (2005, March). *Final 2<sup>nd</sup> Interim Report (2002-2003 School Year), The study of state and local implementation and impact of the Individuals with Disabilities Education Act*. Washington, DC: Author.
- Alliance for Excellent Education (2004). *Tapping the potential: Retaining and developing high-quality new teacher*. Washington, DC: Author.
- Berry, B. (2001). No short cuts to preparing good teachers. *Educational Leadership*, 58(8), 32-36.
- Brownell, M. T., Hirsch, E., & Seo, S. (2004). Meeting the demand for highly qualified special education teachers during severe shortages: What should policymakers consider? *The Journal of Special Education*, 38, 56-61.
- Bureau of Labor Statistics, US Department of Labor (2009). *Occupational outlook handbook, 2010-11 edition: Teacher – special education*. Retrieved from <http://www.bls.gov/oco/ocos070.htm>
- Center on Personnel Studies in Special Education (COPSSE, 2004). Retaining qualified special education teachers: Understanding why teachers leave and what school districts can do about it. *Special Education Workforce Watch: Insights from Research*. Gainesville, FL: Author.
- Darling-Hammond, L. (2000). *Solving the dilemmas of teacher supply, demand, and standards: How we can ensure a competent, caring, and qualified teacher for every child*. New York: NY: National Commission on Teaching & America's Future.
- Futernick, K. (2007). *A possible dream: Retaining California teachers so all students learn*. Sacramento, CA: Center for Teacher Quality.
- McKinney, S. E., Berry, R. Q., Dickerson, D. L., & Campbell-Whately, G. (2007). Addressing urban high-poverty school teacher attrition by addressing urban high-poverty school teacher retention: Why effective teachers persevere. *Educational Research and Review*, 3, 1-9.
- McLeskey, J., & Billingsley, B. S. (2008). How does the quality and stability of the teaching force influence the research-to-practice gap? *Remedial and Special Education*, 29, 293-305.
- McLeskey, J., Tyler, N., & Flippin, S. (2003). *The supply of and demand for special education*

*teachers: A review of research regarding the nature of chronic shortage of special education.* Gainesville, FL: Center on Personnel Studies in Special Education.

- McLeskey, J., Tyler, N. C., & Flippin, S. S. (2004). The supply and demand for special education teachers: A review of research regarding the chronic shortage of special education teachers. *The Journal of Special Education*, 38, 5-21.
- National Science Foundation, Division of Science Resources Statistics. (2009). Doctorate Recipients from US Universities: Summary Report 2007-8. Special Report NSF 10-309. Arlington, VA. Available at <http://www.nsf.gov/statistics/nsf10309/>.
- Rosenberg, M. S., Boyer, K. L., Sindelar, P. T., & Misra, S. K. (2007). Alternative route programs for certification in special education: Program infrastructure, instructional delivery, and participant characteristics. *Exceptional Children*, 73, 224-241.
- Smith, D. D. (2010). Preliminary SEFNA data analysis. Presentation, HECSE Annual Meeting, Washington, DC, January 2010.
- Smith, D. D., Pion, G. M., Tyler, N. C., & Gilmore, R. (2003). Doctoral programs in special education: The nation's supplier. *Teacher Education and Special Education*, 26, 172-181.
- Smith, D. D., Pion, G., Tyler, N. C., Sindelar, P., & Rosenberg, M. (2001, April). *The study of special education leadership personnel with particular attention to the professorate*. Manuscript submitted to The U.S. Department of Education Office of Special Education and Rehabilitation Services Office of Special Education Programs.
- Smith, D. D., & Robb, S. M. (2009). Special Education Faculty Needs Assessment, July 7, 2009. *SEFNA Brief: Follow-up of Doctoral Students Supported by OSEP1 Funded Leadership Preparation Projects Initiated in Fiscal Years 2000 and 2001*. Retrieved from [www.cgu.edu/SEFNA](http://www.cgu.edu/SEFNA).
- Smith, D. D., Robb, S. M., Watson, R., & Tyler, N. C. (in press). The changing education landscape: How special education leadership preparation can make a difference for teachers and their students with disabilities. *Teacher Education and Special Education*.
- U.S. Department of Education July 15, 2008. U.S. Department of Education, Office of Special Education Programs, Data Analysis System, OMB #1820-0518 (available on Dept. of Education , Office of Special Education Programs website)
- U.S. Government Accountability Office (2009, July). *Teacher preparation*. Washington, D.C.: Author. Available at <http://www.gao.gov/new.items/d09573.pdf>.