A Comparative Study of Administrator and Special Education Teacher Perceptions of

Special Education Teacher Attrition and Retention

by

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A dissertation submitted in partial fulfillment of the requirements for the degree of

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ABSTRACT

This mixed methods study identifies perceived causes of and solutions to the attrition of special education teachers. Researchers have documented that special education teaching positions encounter higher attrition rates than their general education peers (Katsiyannis, Zhang, & Conroy in Olivarez & Arnold, 2006; Mitchell & Arnold, 2004; Otto & Arnold, 2005; Stempien & Loeb, 2002). More than 66 administrators and 200 special education teachers/Teachers on Special Assignment (TOSAs) employed in the Portland, Oregon metro area (Washington, Clackamas, and Multnomah counties) completed a survey on special education teacher attrition and retention and identified what they believed are the causes of high special education teacher attrition rates and what interventions would increase rates of special education teacher retention. The results of the surveys from the two sub-groups were compared and contrasted and it was determined administrators and special education teachers share similar perceptions of the causes of high special education teacher attrition rates and similar perceptions of interventions to increase retention rates. The results were also analyzed to determine if administrators and special education teachers and TOSAs identify the same causes of special education teacher attrition and interventions to increase retention rates.

Keywords: Attrition, retention, special education teacher, administrator



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DEDICATION

I dedicate this dissertation to my wonderful and tremendously supportive family, Hudson and Gregg Sheldrake.

I would like to thank my wonderful son and personal cheerleader, Hudson. He always found ways to encourage me to keep working to achieve my goal of becoming "Dr. Mama." It was incredibly important to me that Hudson would witness the completion of this project, so even when I felt like giving up I kept going so he could see me finally attain my goal. I love you, Hudson.

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CHAPTER 1

INTRODUCTION

Study Rationale

Currently, there is a crisis in education: there are not enough special education teachers to teach special education-eligible students, and school districts are experiencing difficulty retaining the special education teachers they employ (Mitchell & Arnold, 2004; Olivarez & Arnold, 2006). Special education teachers are in high demand, with many jobs being filled by substitutes or uncertified teachers (Olivarez & Arnold, 2006). The most troublesome issue regarding the difficulty of finding teachers to fill vacant special education positions is that once the positions are filled, they frequently only remain filled for a short period of time. There are a large number of unfilled special education positions due to high rates of teacher attrition. Special education teachers are leaving the teaching profession at a much higher rate than their general education counterparts (Katsiyannis, Zhang, & Conroy in Olivarez & Arnold, 2006; Mitchell & Arnold, 2004; Otto & Arnold, 2005). Stempien and Loeb (2002) reported after one year, 11% of special education teachers left the teaching profession as compared to their general education colleagues who had an attrition rate of 6%. According to a January 2005 ECONorthwest study, 37% of new teachers will leave the teaching profession within the first five years (p. iii). According to Otto and Arnold (2005), during the 1999-2000 school year, the education system in Texas experienced a 22% attrition rate for special education teachers. Thus, the problem facing school districts is not just the need to fill vacant positions, but to retain teachers for an extended period of time.



In the Mountain Park School District, a rural mid-size Northwest United States school district, there has been a steady decline in overall teaching positions; however, there has been an increase each year in the number of special education teacher positions. Special education teaching openings in the district have not only been the result of new positions, but the need to fill vacant positions from staff members who chose to resign for the following reasons: employment in a more central district, avoid being non-renewed based on poor performance, pursuit of higher education opportunities, transfer to a nonteaching position, or retirement. Even with a decline in economic resources, school districts still need to fill special education teacher positions.

Table 1

Total Teaching Positions in the Mountain Park School District

School Year	Total Teaching Positions				
2008-2009	156.1				
2009-2010	145.3				
2010-2011	139.7				
2011-2012	134.2				
Table 2					
Total Special Education Teaching Positions in	the Mountain Park School District				
School Year	Total Special Education Teaching Positions				
2008-2009	13				
2009-2010	13.5				
2010-2011	14.5				
2011-2012	15.0				



School Distric	1							
At the End of the School Year	Available Positions	Resignation: Other Position	Resignation: Performance	Resignation: Educational Pursuit	Resignation: Non-Teaching	Retirement	New Position	
2008-2009	3.5	0	3	0	0	0	0.5	
2009-2010	2.0	0	0	0	0	1	1	
2010-2011	5.0	1	0	1	0	2	0.5	
2011-	3.0	0	1	0	1	0	1	
2012*								

 Table 3

 Number of Available Special Education Teacher Positions and Reason for Vacancies in the Mountain Park

 School District

* Anticipated projections

The purpose of this research study was to explore the issue of special education teacher attrition and retention and determine if administrators and special education teachers identify similar causes of special education teacher attrition and interventions to increase retention rates. This was a mixed method descriptive research study based on the survey results of 66 administrators and 284 special education teachers in the Portland metro area.

Significance

High special education teacher attrition rates are a significant problem facing the K-12 education system throughout the United States. Special education teachers work with a population of students who can require support above and beyond academic instruction. Supports for students receiving special education services can range from specially designed instruction and accommodations in a single subject area to any combination of academic, behavioral, communication, motor, and nursing needs. These teachers are expected to possess strategies to meet the individual academic, behavioral, social, mental, and physical needs of each student who has an Individual Education Program (IEP). The work of special education teachers is not limited to a single category



of learner; rather they work with a wide range of students with a variety of special needs and who are identified under the following special education eligibility categories: intellectual disability, hearing impairment, visual impairment, deaf blindness, communication disorder, emotional disturbance, orthopedic impairment, traumatic brain injury, other health impairment, autism spectrum disorder, and specific learning disability. Individuals with disabilities are a marginalized population in society who frequently do not have access to the same resources as their typically developing peers (Kliewer, Biklen, & Kasa-Hendrickson, 2006).

Although students with disabilities are often struggling with a multitude of barriers that the special education teacher is attempting to address through an individual IEP, the student is still expected to make growth towards grade level standards. It is the expectation that the special education teacher will get students to where they need to be regardless of how large the hurdle. The Elementary and Secondary Education Act (ESEA) details that all students, typically developing or students with disabilities, are required to be assessed annually to determine their level of progress towards meeting grade level standards. Schools that do not demonstrate adequate yearly progress (AYP) for all students including disaggregated sub-group populations (such as student with disabilities) will be labeled as a "Challenge school" as defined in the 2010 Blueprint for *Reform* and will be subject to defined sanctions (p. 10). Defined sanctions for "Challenge schools" become increasingly prescriptive over time. Identified "Challenge schools" will be required to implement "one of four turnaround models," then develop and implement an intervention plan for improvement that includes research-based practices, then potentially required to make staffing changes, and last be limited in the use of ESEA



funds (*Blueprint for Reform*, 2010, p. 10). A key component to maintaining adequate yearly progress is a skilled and stable base of educators. As Connelly and Graham (2009) declared, "High levels of teacher attrition reduce teacher quality and interfere with efforts for school and program improvement" (p. 259). Special education teachers often face a disproportionate responsibility and challenge with regard to meeting the individual needs of students, while also preventing the school from becoming a "Challenged School" due to their students' assessment scores. It is the role of the special educator to provide students with the tools of empowerment to advocate for their wants and needs in order to become contributing members of society; it is also their role to ensure students are making adequate yearly progress towards meeting grade level standards to prevent the school from failing to meet federal improvement standards. The need for a skilled and stable base of special education teachers is underscored by this challenging set of expectations.

With the knowledge that students with disabilities who are eligible for special education need additional instruction, resources, and accommodations to make academic and/or behavioral progress, it is clear that they are also the students who require the most consistency in their school environment. On a daily basis, students with disabilities have to cope with their disability and the potential accompanying limitations. Complex support systems are often needed in order to provide students with disabilities access to the school curriculum and to build independence. The special education teacher is the advocate that ensures students with disabilities have the same access to resources as their typical peers.



The problem that arises when school districts cannot retain their special education teachers is that the students lose their school building advocate who bridges the support system that is created through the IEP process and the school. Each time a new special education teacher is hired, there is an acclimation period when the new teacher must become familiar with the protocols for the student and develop relationships with the general education community to ensure that the needs of the students are being met outside of the special education classroom. The process of becoming acquainted with a new student and the school community equates to a loss in learning time for the student (Watlington, Shockley, Guglielmino, & Felsher, 2010). Patricia Alexander (2003) wrote, "Students [the new teacher] in acclimation have characteristically limited and fragmented knowledge. This piecemeal knowledge comes with little personal investment in the domain and strong reliance on surface-level strategies" (p. 12). During the new teacher's acclimation period, the student with a disability is experiencing limited access to resources since their advocate is not knowledgeable of all of their individual needs and is only utilizing their established skill set. As the previous Director of Supported Education for a mid-size rural Northwest United States school district and as the current Administrator of Student Services for a large metro Northwest United States school district, I have frequently witnessed that months go by until a general or special education teacher realizes a student is supposed to be receiving some form of accommodation, because the special education teacher was new to the position and unaware of the accommodation; at best, the accommodation was improperly implemented. Students with disabilities need continual support, not gaps in service which further challenge them. In Watlington et al.'s (2010) view, "All too often teacher attrition can accentuate the



injurious effects of poverty and discrimination on educational attainment" (p. 34). If school districts want to ensure the success of students with disabilities, it is their duty to create systems that support the retention of teachers who have the expertise to empower students to be successful and to fight the oppression of students with disabilities.

Researcher's Interest

In my roles as the Administrator of Student Services for rural mid-size and large metro Northwest United States school districts, identifying low-cost, high-impact ways to decrease the attrition of special education teachers is essential for the success of students with disabilities in my school district and school districts across the country. According to human resources records for the Mountain Park School District, following the 2008-2009 school year, there were 3.5 special education teacher openings out of a total of 13.5 special education teacher positions in the district. Following the 2009-2010 school year, there were 2.0 special education teacher openings out of a total of 14.5 positions in the district. Following the 2010-2011 school year, there were 4.0 permanent and 1.0 temporary special education teacher openings out of a total of 15 positions in the district. During the current 2011-2012 school year, there was one special education teacher resignation mid-year due to a lack of securing appropriate licensure, resulting in the need to hire a temporary special education teacher to complete the school year. Following the 2011-2012 school year, there were 3.0 special education teacher positions available out of 16 total positions in the district. Overall, the available positions in the district have been the result of special education teacher resignations (transfer to a more central district, to avoid a contract non-renewal for poor performance, to pursue a higher education opportunity, and to transfer to a non-teaching position) and retirements. The addition of



three special education teaching positions over the four-year period has been in response to the increase in the number of students identified for special education services in the district. Given the impact of special education teacher attrition on the progress of students with disabilities, the requirement to meet the regulations of the 2004 Individuals with Disabilities Education Improvement Act (IDEA), the federal and state mandate that students meet academic benchmarks, and limited funding for educational programs, it is imperative to identify supports for special education teachers that will increase the likelihood that they will remain in the field of special education.

Problem Statement

Special education teachers leave the profession at a much higher rate than their general education peers. Can school districts retain special education teachers for a greater length of time if district administrators had a better understanding of the causes of special education teacher attrition and of the interventions needed to increase retention rates? By using a quantitative survey approach, this research study compares special education and administrator perceptions of the causes of special education teacher attritions that can be modified in school districts to positively impact special education teachers' intent to remain in the profession.

Research Questions

This paper includes an extensive review of literature identifying the causes for high rates of special education teacher attrition and identified interventions to increase retention rates. Following the review of literature, this paper outlines a mixed methods research approach to answering the following questions:



- 1. What causes do administrators and special education teachers/TOSAs perceive as influencing high special education teacher attrition rates?
- 2. Do administrators and special education teachers/TOSAs identify the same causes of high special education teacher attrition rates?
- 3. What interventions do administrators and special education teachers/TOSAs perceive will increase special education teacher retention rates?
- 4. Do administrators and special education teachers/TOSAs identify the same interventions for reducing high special education teacher attrition rates?

Assumptions

The job of the special education teacher is large and complex. There are a variety

of responsibilities and expectations of the profession which include, but are not limited

to, the instruction of students with disabilities in the general education and special

education setting, collaboration with general education teachers and parents, assessment

and evaluation of students, and timely and accurate completion of extensive IEP

paperwork. Retaining special education teachers is challenging, especially when

considering the following assumptions:

- Low salaries for special education teachers influence high attrition rates (Billingsley, 2004; Boe, Bobbitt, Cook, Whitener & Weber, 1997; Guarino, Santibanez, & Daley, 2006; Kaff, 2004; Struck and Zeehandelaar, 2011).
- There is a disconnect between what special education teachers thought their jobs would be like and what the actual responsibilities and expectations of the position include (Billingsley, 2004, Gersten, Keating, Yovanoff, & Harniss, 2001; Stempien & Loeb, 2002).
- The special education teacher's job design and workload, which includes instructing students with disabilities, developing education programs to assist students with accessing their education, and completing extensive amounts of paperwork, are overwhelming and unmanageable for special educators (Billingsley, 2004; Embich, 2001; Gehrke & Murri, 2006; Gersten et al., 2001; Schnorr, 1995; Sindelar, Brownell, & Billingsley, 2010; Stempien and Loeb, 2002).



- Special education teachers have to complete an extensive amount of paperwork, which takes away from instructional time (Carlson, Chen, Schroll, & Klein, 2003; Payne, 2005; Schnorr, 1995; Stempien and Loeb, 2002; Westling and Whitten, 1996).
- Special education teachers experience a lack of support from school and district administrators (Kaff, 2004; Westling & Whitten, 1996).
- School administrators do not understand the amount of responsibility assigned to special education teachers (Gehrke & Murri, 2006; Guarino et al., 2006; Otto & Arnold, 2005).
- Special educators feel isolated and lack positive collegial relationships (George & George, 1995; McManus & Kaufman, 1991; The Council for Exceptional Children, 2000).
- New special education teachers are ill prepared for their positions (Connelly and Graham, 2009; Embich, 2001; Gersten et al., 2001; Woods & Weasmer, 2004).
- New teacher mentor programs do not address the specific needs of new special education teachers (Billingsley, Carlson, & Klein, 2004; Sindelar et al., 2010; Gehrke & Murri, 2006).
- Special education teachers lack relevant professional development opportunities (George & George, 2006; Gersten et al., 2001; Stempien & Loeb, 2002).

Definitions

For the purpose of this paper the following definitions will be used:

- Attrition Rates: The percentage of teachers who leave special education and/or the teaching profession.
- Educational Service District (ESD): A cooperative agency that supports local Oregon districts in the education of students. ESDs support districts with and are direct providers of special education, technology, curricular, and other services as outlined in their local service plan, which is agreed upon by represented school district superintendents.
- Free Appropriate Public Education (FAPE): The provision of education services, general and special education, for a student with a disability who is eligible to receive special education services as outlined in the student's IEP at the public's expense so that the student may receive educational benefit.



- General Education Setting: School setting inclusive of both typically developing students and students with disabilities. The focus of this educational setting is for students to access the educational curriculum designed for typically developing students.
- Individual Education Program (IEP): An individual program developed by a team of professionals, including the parents, specifying instructional needs, services, accommodations, modifications, and/or supports for personnel in order for the student to make academic, social, behavioral, physical, and/or emotional progress toward their individual annual goals.
- Mentor Program: A program developed to support new teachers by providing an experienced teacher to support and guide novice teachers in all areas of the education profession.
- Mentor Teacher: An experienced teacher who works with and supports new teachers with their transition to the education profession.
- Portland Metro Area: Composed of the Oregon counties of Clackamas, Multnomah, and Washington.
- Special Education Teacher: A teacher who designs and delivers specially designed instruction and services to students who are eligible for special education services and have an Individual Education Program (IEP); the case manager responsible for completing special education paperwork for a student eligible for special education services; and/or a teacher who possesses a specialized teaching license for instructing students with disabilities.
- Student with a Disability: A student who has been found eligible for special education services under one or more of Oregon's twelve¹ disability categories: Developmental Delay, Intellectual Disability, Hearing Impairment, Visual Impairment, Deaf Blindness, Communication Disorder, Emotional Disturbance, Orthopedic Impairment, Traumatic Brain Injury, Other Health Impairment, Autism Spectrum Disorder, and Specific Learning Disability.
- Teacher on Special Assignment (TOSA): A special education teacher with teacher status who coaches special education teachers and/or completes administrative tasks related to special education.

¹ There are twelve disability categories recognized in Oregon for Early Intervention and Early Childhood Special Education (birth-5 years old). This includes the eligibility category of Development Disability. There are only eleven disability categories recognized for school-age special education eligibility (5-21 years old). School-age eligibility does not include the category of Developmental Delay.



- Teacher Retention: The process of keeping teachers in the special education teaching profession.
- Typical Peer: A student who is not eligible for special education services.



CHAPTER 2

A REVIEW OF RELATED LITERATURE

Structure of the Literature Review

This chapter contains a review of literature related to the causes of high special education teacher attrition and recommendations for increasing the retention of special education teachers. The literature review is divided into three sections: literature related to the causes of attrition and interventions to increase the retention of special education teacher attrition, current economic conditions in Oregon, and the limitations of research recommendations. Each section is divided into subsections that identify key themes in current research and the impact on special education teacher attrition.

Causes of and Interventions for Special Education Teacher Attrition Low Salaries

Low salaries for special education teachers have been cited as a contributing factor of high special education teacher attrition rates. There are multiple factors that researchers suggest as influencing special education teachers to leave the profession; however, the link between those factors and poor pay increase the probability that new special education teachers will leave the profession. A study completed by Kaff (2004) reported "Thirty-four percent (n=55) [of special educators surveyed] expressed concerns over compensation including routinely performing many extra duties that extended beyond the school day without additional pay" (p. 13).

Research suggests that an increase in teacher salary will increase the number of special education teaching applicants and will also encourage teachers to remain in the special education teaching profession. Through the completion of an extensive review of



literature related to teacher attrition, Guarino et al. (2006) concluded, "The recent empirical literature found that higher salaries were associated with lower teacher attrition and that teachers were responsive to salaries outside their districts and their profession" (p. 194). According to Struck and Zeehandelaar (2011), "Research shows that higher salaries are associated with the increased recruitment and retention of higher quality teachers and influence where a teacher decides to work or whether a qualified graduate enters industry rather than teaching" (p. 272). According to Miller et al. (1999) and Singer (1992), as cited in Billingsley (2004), "Special educators with higher paying jobs [are] more likely to stay than those with lower paying jobs" (p. 45). A study completed by Boe et al. (1997) found that "Both school transfer and attrition declined systematically and substantially with increasing salary levels" (p. 6). Henke et al., as cited in Billingsley (2004), concluded, "Districts and schools that cannot offer competitive salaries are likely to be at a serious disadvantage when it comes to hiring and retaining teachers" (p. 45). In sum, then, when looking at ways to decrease the attrition of special education teachers, school districts should seriously take into consideration the positive impact an increase in salary can have on the retention of special education teachers.

Job Design and Role Dissonance

A number of educational researchers studying special education teacher attrition have suggested that the dissonance between the special education teacher's job design and their expectation of the job has a direct impact on their decision to leave the profession. According to Evans (1997) as cited in Stempien and Loeb (2002), "Educators of students with special needs may begin their careers with high expectations that they will be able to overcome the unique challenges faced by their students" (p. 264). Gersten



et al. (2001) wrote, "In special education, stress due to poor job design is found in the discrepancy between what teachers believe about their jobs (i.e., that they are there to teach children with disabilities) and the realities of their jobs (i.e., burdensome paperwork loads, extensive time spent in meetings, limited opportunities for individualization, and huge ranges in student performance levels)" (pp. 562-563). Stempien and Loeb (2002) acknowledged, "These educators' need to cope with seemingly insoluble realities probably provokes a sense of not measuring up to their own professional goals. This results in stress, job frustration, and dissatisfaction" (p. 264).

Special education teachers are consistently faced with the day-to-day responsibilities of a general education teacher in addition to the urgency of instructing special education eligible students to meet their IEP goals and state standards, to collaborate with general education teachers on how to modify curriculum, and to complete the IEP paperwork responsibilities that ensure a student is able to receive a Free and Appropriate Public Education (FAPE) (Gehrke & Murri, 2006). Weiskopf (1980) as cited in Stempien and Loeb (2002) noted special education teachers experience a higher level of job dissatisfaction as a result of "the pressure to complete tasks in a timely manner" (p. 259). Morvant et al., (1995) as cited in Billingsley (2004) discovered that, "Almost one third found conflicting goals, expectations, and directives to be a frequent source of stress" (p. 47). Gersten et al., (2001) found, "Stress due to job design plays a pivotal mediating role in determining the extent to which different aspects of teachers' working conditions influence the decision to remain in or leave special education" (p. 563). Incidentally, special education teachers enter the teaching profession to educate and advocate for students with disabilities, but in the end feel as though they spend most of



their time completing paperwork and responding to crises instead of educating children. George and George (1995) concluded, "These [special education] teachers...felt that they had little time to complete one of the most important aspects of their jobs, developing appropriate curricula for their students" (pp. 12-13).

Workload. A number of researchers have suggested that the workload of special education teachers has a direct impact on attrition rates. In a study completed by Morvant et al., as cited in Billingsley (2004), "only half of the special educators in their study felt that their workload was manageable. Sixty-eight percent felt they had too little time to do their work" (p. 47). Weiskopf (1980), as cited in Stempien and Loeb (2002), listed "several stressors specifically among teachers of exceptional children. These included the heavy workload and the pressure to complete tasks in a timely manner" (p. 258). In a study of special education teachers completed by Schnorr (1995), deterrents to remaining in the special education profession were identified as follows: "There were four frequently mentioned deterrents, including too much paperwork (71%), too many students on caseload (64%), too many meetings (50%), and too much job stress (48%)" (p. 30). Special education teachers are expected to do the work of a teacher and a case manager and in many cases within the typical school day. In order to manage the workload, many special education teachers work well beyond their contracted day.

A review of research reveals that the combination of job responsibilities, ranging from instruction to paperwork, is a source of stress and frustration for many special educators (Plash & Piotrowski, 2006). Gehrke and Murri (2006) reported, "Multiple roles and responsibilities...were cited often as primary sources of frustration and stress for special educators" (p. 180). Embich (2001) also found that, "Workload [has a] significant



contribution to feelings of emotional exhaustion in all [special education] positions" (p. 65). Sindelar et al., (2010) reported, "New SETs [Special Education Teachers] also struggle to coordinate complex responsibilities, citing problems with organizing their work and managing time, scheduling, caseloads, legal requirements, paperwork, and meetings" (p. 17). In short, the workload expectations of special educators have a significant impact on attrition rates.

Paperwork. Not only do special educators need to address their teaching responsibilities but they also need to comply with federal and state IEP paperwork requirements and timelines. According to a study completed by Carlson et al. (2003) for the U.S. Department of Education, "Special education teachers typically spend over 10% of their time completing forms and doing administrative paperwork" (p.1). According to the results of Schnorr's (1995) study, too much paperwork was identified as the number one deterrent for special education teachers (p. 30). Westling and Whitten (1996) found that "Teachers who were not planning to be in the same or similar position in 5 years...reported having...an inadequate amount of time for paperwork" (pp. 327 & 330). Carlson et al. (2003) reported, "88% of special education teachers indicated that administrative duties and paperwork interfered with their job of teaching to a moderate extent (32%) or great extent (46%)" (p. 17). If special educators fail to meet paperwork timelines, they run the risk of being legally out of compliance, which can result in negative job performance reviews and/or legal and potentially costly implications for the school district. Weiskopf (1980) as cited in Stempien and Loeb (2002) noted special education teachers experience a higher level of job dissatisfaction as a result of "the pressure to complete tasks in a timely manner (p. 259)." As Payne (2005) emphasizes,



"Many teachers that leave the field of education have become disgusted with the amount of paperwork that is required to do the job" (p. 89).

School Culture

The issues special education teachers face are individual and complex; having a support system to connect with others who have dealt with similar situations provides support and guidance. Each special education teacher's successes and failures impact the direction of the special education department, so it is crucial for special education teachers and administrators to work together. Educational researchers of special education teacher retention and attrition agree developing collegial relationships and a culture where special education teachers are valued will increase retention rates for special education teachers (Gehrke & Murri, 2006; Gersten et al., 2001; Kaff, 2004; & Stempien & Loeb, 2002).

Administrative support. When it comes to the topic of special education teacher attrition, most researchers readily agree that a lack of support from school and district administrators has a direct impact on the inability to retain special educators. Kaff (2004) reported, "Lack of administrative support for special education was the most frequently reported concern" (p. 12). A study of special educators completed by Westling and Whitten (1996) found, "Teachers who were not planning to be in the same or similar position in 5 years presented a picture of people who were frustrated with the system and frustrated with those in the system who are perceived to affect their professional lives, primarily administrators" (pp. 327 & 330). Cross and Billingsley (1994) determined that special education teachers who had a positive perception of administrative support had an overall higher job satisfaction; consequently, the teacher was more committed to



remaining in the teaching profession (p. 415). Boe, Barkanic, and Lowe (1999) concluded, "In comparison with voluntary leavers, stayers were almost four times more likely to perceive strongly school administrators' behavior as supportive and encouraging than to have the opposite view of administrative behavior" (pp. 20-21). A study completed by George and George (1995) found, "Teachers intending to leave perceived far less support and assistance than desired coming from their official supervisor" (p. 12). These findings have important consequences for the boarder domain of teacher attrition, because administrator support is an inexpensive intervention that can result in great dividends for increasing special education teacher retention.

Research related to the retention and attrition of special education teachers highlights the impact of administrative support, but the research offers few definitions of administrative support. Instead, when asking special education teachers about factors that influence their decision to leave the profession or remain in the profession, they are asked if administrative support affects their decision to remain or leave the profession. Schnorr (1995) wrote, "Administrator support is a nebulous concept" (p. 32). Westling and Whitten (1996) identified characteristics of administrative support for special education teachers as including, "Administrator-teacher conferences, setting aside time for paperwork completion, and informing general educators about the role of special educators and encouraging cooperative activities, particularly related to inclusion" (p. 333). It is clear that researchers have found that administrator support influences the decision of special education teachers to leave or remain in the special education field, but there does not exist a clear definition in the research regarding the exact qualities of administrator support.


Collegial support. Special educators often feel isolated and excluded from their colleagues and this lack of a collegial network lessens their overall connection to the school environment, likewise decreasing their likelihood of remaining in the profession. According to a report compiled by The Council for Exceptional Children (2000), "In many situations, special education teachers are still considered "outside" the mainstream. In addition, they are given few opportunities to collaborate with general or other special educators. The result is a sense of isolation and powerlessness to effect change" (p. 3). McManus and Kauffman (1991) highlighted, "most special education teachers look for support from other special education teachers rather than from other professional personnel, but even this contact is infrequent for many teachers" (p. 257). A study completed by George and George (1995) found, "Opportunities for collaboration with other teachers were infrequent" (p. 12). Billingsley, Carlson, and Klein (2004) identified "feelings of not being included in their schools" as an area of concern for special education teachers (p. 344). Special education teachers do not feel as though they are part of the school community and have infrequent interactions with their special education colleagues; these circumstances lead to a sense of isolation and feeling that they work in an unsupportive environment.

When focusing on strategies to combat high special education teacher attrition rates, administrators need to understand learning results from relationships (Bateson, 1994; Cole & Wertsch, 1996). A project completed by Scholastic and the Bill and Melinda Gates Foundation (2010) found, "When asked about the things that are most important in retaining good teachers, supportive leadership, time for collaboration and a high-quality curriculum top the list, with supportive leadership by far the most important



factor in teacher retention" (p.39). Administrators need to provide meaningful opportunities for teachers to interact with their colleagues in order for them to construct an understanding of the educational process and best practices for teaching. George and George (1995) emphasized, "Without opportunities to meet with other teachers to articulate problems, brainstorm solutions, and otherwise share concerns about particular students, teachers easily lost sight of the fact that other special educators often face similar problems" (p.12).

Professional Growth

As regards the retention of special education teachers, school districts need to be mindful that special education teachers are learners. Tennant and Pogson (1995) emphasized, "Experience—and the ability to reflect upon and learn from that experience—emerges as a key factor in the formation of adult personality and social roles" (p. 67). If school administrators accept the notion that special education teachers are students as well as instructors and guide professional development and support around this notion, then through the implementation of targeted interventions and learning opportunities, beginning special education teachers will be able to develop the knowledge and skills needed to instruct students, develop strategies to bring about successful learning for students with disabilities, and maintain paperwork compliance.

Teacher preparation programs. When it comes to the topic of special education teacher attrition, researchers readily agree that new special education teachers are ill prepared for their positions, resulting in high attrition rates. Current research on special education teacher attrition highlights the concept that beginning special education teachers are learners (Gersten et al., 2001; Woods & Weasmer, 2004). Special education



teachers do not come into the school setting on the first day with all the skills and knowledge of veteran educators, which leads to increased feelings of frustration (Embich, 2001).

Connelly and Graham (2009) believe federal laws such as No Child Left Behind (2002) have forced states, colleges, and school districts to find shorter, alternative routes of special education teacher certification. According to Berry (2001) and Darling-Hammond (1999) as cited in Connelly and Graham (2009), "Graduates of short-term, or "short cut," alternative routes (e.g., routes that provide summer training and/or minimal to no pre-service teaching experience) were found to be at high risk for subsequent attrition from the field" (p. 259). Embich's (2001) study discovered that a "lack of training can lead to elevated feelings of burnout" (p. 66). In sum, insufficient teacher prepartion has an impact on special education teacher attrition rates.

New special education teacher mentor programs. Researchers have identified strategies to decrease the high rate of special education teacher attrition, including increasing salaries, offering administrative support, and improving student discipline procedures; however, the strategy that some researchers suggest has a significant impact on the attrition rates of beginning special education teachers is the development of mentor programs (Guarino et al., 2006; Scherer, 1999; Strong, 2005). Billingsley (2003) concluded, "Perceived effectiveness of mentoring is significantly correlated with teachers' plans to remain in special education and with special educators' job satisfaction" (p. 21). Sindelar et al., (2010) reported, "Mentoring seems to have a positive impact on new SETs' perceived effectiveness (Billingsley et al., 2004; Boe et al., 2008) and intent to remain in their jobs (Whitaker, 2000)" (p. 10). Through mentor programs,



new special education teachers are provided with the opportunity to collaborate with colleagues and observe lessons in other classrooms within a structured setting for reflection. Mentor programs connect observation, collaboration, reflection, and theory; this leads to successful teaching and learning experiences (Scherer, 1999). Schlichte, Yssel, and Merbler (2005) insisted, "Mentoring has been identified as a critical factor in eliminating feelings of isolation experienced by first-year special education teachers" (p. 36).

Research indicates that mentor programs can result in increased special education teacher retention rates, but when developing programs it is important that they meet the individual needs of the participants. According to Billingsley et al. (2004), "Regardless of the form, induction support must be flexible and responsive to the needs of teachers and the particular contexts in which they work" (p. 334). A study completed by Whitaker (2000) revealed "a statistically significant relationship between the perceived overall effectiveness of the mentoring and the first-year special education teacher's plans to remain in special education" (p. 563). Relevant and targeted mentor programs for special education teachers, even though small, can result in an increased likelihood that the teacher will remain in the special education profession.

Professional development. Research related to special education teacher retention suggests that relevant professional development opportunities for special education teachers are important for the retention of special educators (George & George, 2006; Gersten et al., 2001). Gersten et al. (2001) reported, "It is important that special education teachers feel that—regardless of their years in education—they continue to learn on the job" (p. 560). In a study completed by Schnorr (1995) an identified incentive



for remaining in the special education profession included "release time for professional development" (p. 32). Bos, Nahmias, and Urban (1997), as cited in Stempien and Loeb (2002), reported "positive responses to interactive professional development workshops, particularly when the teachers' attitudes and experiences were incorporated into planning such courses" (p. 265). Special education teachers who have access to high quality and relevant professional development opportunities are able to grow professionally and as a result may feel more satisfied in their positions. Billingsley (2004) declared, "Teachers who perceived greater professional development opportunities also experienced less role dissonance" (p. 47). Special education teachers who have access to professional development opportunities experience less disconnect between what they believe their role and responsibilities include and what is actually expected from their position.

Teacher training programs and in-service opportunities need to create a participative model of learning where the teachers connect the practice to the appropriate context so they can apply and adapt it in a variety of situations (Sfard, 1998). Scholastic and the Bill and Melinda Gates Foundation (2010) discovered, "Teachers at all levels of experience value opportunities that promote professional learning and development. More than 4 in 10 teachers—regardless of the length of time they have been teaching— say it is 'absolutely essential' to provide opportunities for relevant professional development in order to retain good teachers" (p.40). The role of quality professional development and collegial collaboration has a long-term positive impact on teacher retention, but the professional development opportunities need to be relevant. Gehrke and Murri (2006) found, "The usefulness and appropriateness of the participants' professional development and induction year opportunities were an area of concern for most novice



teachers" (p. 185). Stempien and Loeb (2002) emphasized the need for professional development while also highlighting the importance of "involving teachers in planning strategies and decision making...[as] a way to maintain enthusiasm about the job" (p. 265). When offering professional development opportunities for special educators, it is important that those opportunities relate directly to the identified needs of the participants.

Current Economic Conditions in Oregon

From 2008 through the time of this writing (2013), Oregon and the United States as a whole have been experiencing an economic downturn that has resulted in decreased funding for K-12 education. The Editorial Projects in Education Research Center (2012a) reported, "Effects of the economic downturn linger in American education, a year and a half after the official end of the recession" (Key Findings section, para 3). According to a report from the Confederation of School Administrators of Oregon (n.d.), "Over the past three biennia, the share of the State Budget invested in Education has declined from 58.7% to 50.8%" (p.4). The decreased funding has resulted in increased class sizes, reduced programs, and fewer resources for teachers (Oregon Education Association, 2011). According to information collected by the Editorial Projects in Education Research Center (2012b) in Oregon, "No focal programs [programs intended to develop and allocate teaching talent were] funded in 2010" (p. 5). These programs are still not funded in the state of Oregon. When reviewing data from the Mountain Park School District, over the past four school years there has been a decrease in teaching positions correlating with decreased funding and increased staff salary costs; however, the economic decline has had little impact on the district's need to recruit and retain quality



special education teachers. While general education teachers are experiencing lay-offs and districts are cutting positions that are open due to retirements or resignations, special education positions are still available.

Limitations of Research Recommendations

The following section identifies limitations of current research with regard to how interventions will impact special education teacher attrition rates. When reviewing current literature, perceived administrator support was the one area that was consistently identified as having a direct impact on a special educator's intent to remain in the profession. As a result, administrator support has not been identified as an area that has any limitations for decreasing special education teacher attrition rates.

Salary Incentives

Research shows that an increase in salary can positively impact the attrition rates of special education teachers. Although I agree with the use of salary incentives/increases to decrease attrition rates for special education teachers, my overall experience with this intervention is mixed. The use of salary incentives/increases cannot always be guaranteed and are heavily reliant on positive economic conditions. Struck and Zeehandelaar (2011) remind us:

Given the high costs related to increasing all teachers' salaries across the board and the associated increase in retirement spending—universal raises may not be a feasible or efficient solution to targeted staffing challenges. Especially as districts are faced with cuts in state-level education spending and layoffs to alleviate budget shortfalls. (p. 272).

Greenlee and Brown (2009) found that in order for salary increases to make an impact on teacher retention, "Some estimates indicate that effective compensation inducements need to be large (20-50% increase in salary) to retain teachers in schools that serve large



concentrations of low-income, low-performing and/or minority students" (p. 99). Even if districts were able to increase salaries in an effort to retain special education teachers, the extent of the increase required to make a change could have a significant impact on the district's overall budget and other academic programs.

The research indicates that salary increases alone cannot improve the retention rates of special education teachers. Boe et al. (1997) suggested, "Demographic factors not under district control, such as teacher aging, change in marital status, and the initial acquisition of dependent children" will continue to impact the attrition rate of teachers regardless of salary (Improving the Retention of Teachers at the School Level, para. 5). Greenlee and Brown (2009) agreed, "Enhanced salaries and bonus programs are important, but alone are not enough" (p. 105). Through the completion of trend analysis Boe et al. (1999) found, "Contrary to what might have been thought, only 18.5% of leavers did so for other work or better salary" (p. 13). Billingsley et al. (2004) reported, "Salary was not related to intent to remain in teaching for beginning special educators" (p. 341). Although financial incentives have a positive impact on special education teacher retention rates, it is an unstable and costly intervention that would not produce an overwhelming decrease in special education teacher attrition rates.

Job Design

A number of educational researchers have suggested that redesigning the special education teacher's job by lowering teacher caseloads, increasing instructional time, and lowering student-to-teacher ratios will decrease special education teacher attrition rates; however, all of these recommendations require an adequate and consistent level of educational funding to implement (Gehrke & Murri, 2006; Gersten et al., 2001, Kaff,



2004; Stempien & Loeb, 2002). Currently, many states are facing fiscal cuts to education (Christie, 2008; Davis, 2008; Hoffman, 2009). These funding cuts have a direct relationship to a school district's ability to maintain programs that meet the unique needs of special education teachers and maintain the overall health of special education departments. As an example of the impact of decreased funding and fiscal cuts, following the 2010-2011 school year my department laid off 9.094 full-time special education instructional assistants and vocational drivers. Additionally, over a two-year period caseloads for special education teachers have increased from approximately 25 students to 30 students. At the same time, the number of students requiring special education services has not decreased, so special education teachers are expected to complete the same level of work with less support. I agree with the research indicating a need to revamp the special education teacher's job design. However, given the current decline in educational funding—and if the decline continues—special education teachers will continue to experience an increase in the number of students they will be required to serve.

Collegial Support

The Council for Exceptional Children (2000) and McManus and Kauffman (1991) both reported that a lack of collegial support resulting in a sense of isolation was a cause for special education teacher attrition. Although special education teachers have reported a lack of collegial support as a reason for leaving the profession, George and George (1995) found that a lack of support did not have a significant impact on a special educator's intent to leave the profession (p. 10). In a study completed by Billingsley (2003), it was also found that collegial support did not have a significant impact on a



special education teacher's intent to stay (p. 19). Collegial support has been shown to increase special education teachers' feelings of isolation, but ultimately it is the building administrator(s) who can foster those collegial relationships (Gersten et al., 2001; Singh & Billingsley, 1998). Collegial relationships absent of administrative support will not produce a noticeable decline in special education teacher attrition rates.

Professional Growth

Teacher preparation programs. Connelly and Graham (2009) and Embich (2001) provide ample evidence that a lack of teacher preparation has an impact on special education teacher attrition; yet, various researchers have determined that higher levels of education actually increase the likelihood special education teachers will leave (Cross & Billingsley, 1994; Westling & Whitten, 1996). Cross and Billingsley (1994) discovered that special education teachers with more education and less teaching experience are more likely to leave the special education field because they believe they will be employable elsewhere. Westling and Whitten (1996) in their study of rural special education teachers found, "More and better preparation increased the likelihood of the teacher leaving" (p. 330). Billingsley (2004) reported that Miller et al. (1999) determined, "Neither perceived preparedness nor self-rankings [ranking of self-efficacy] have been related to attrition and retention" (p. 44). Although I agree with the research supporting better teacher preparation programs in order to decrease attrition rates for special educators, I cannot accept the overall conclusion that increased education will decrease attrition rates given the research to the contrary.

New special education teacher mentor programs. New teacher induction programs have been a focus of research when considering interventions to decrease



special education teacher attrition rates. Research suggests that induction programs may have a positive impact on attrition rates of general education teachers; however, the same results are not as evident for special education teachers. According to Billingsley et al. (2004), "Unfortunately, one third of early career teachers did not find formal mentoring helpful" (p. 344). Sindelar et al. (2010) suggested, "SETs [Special Education Teachers] may have participated in programs that were not responsive to their needs" (p. 17). Gehrke and Murri (2006) concluded, "Even with all these first year professional development offerings made available, none of the participants rated this area as a significant source of support either in the interviews or on the questionnaire" (p. 185). Whereas researchers provide ample evidence that new teacher induction programs reduce attrition rates of new general education teachers, Billingsley et al., (2004), Gehrke and Murri (2006), and Sindelar et al.'s (2010) research on special education teacher attrition and involvement in induction programs convinces me that induction programs alone cannot decrease high attrition rates of special education teachers.

Professional development. Many researchers have indicated that high quality professional development and opportunities for professional growth will result in lower attrition rates for special education teachers. Yet a sober analysis of the responses obtained through a study conducted by Brownell, Miller, and Smith (1999) revealed, "Satisfaction with professional growth opportunities...[exposed] no significant differences between leavers, stayers, and transfers" (p. 214). As districts continue to be faced with reduced funding, professional development opportunities become less available to teachers. According to the Editorial Projects in Education Research Center (2012a) report, "States are financing fewer programs for educators in 2012 than they did



in 2010. Reductions in efforts to develop and allocate teaching talent were made in 23 states. Officials often cited budget cuts prompted by the recession as a reason for eliminating programs" (Key Findings section, para 3). When there are more funds available, districts may want to consider increasing professional development opportunities for special education teachers; however, in the current economic climate and given the mixed success of professional development opportunities for special education teachers alternative interventions for reducing special education teachers.

Researcher's Position

As an Administrator of Student Services, an advocate for students with disabilities, and a special educator, it was my belief that in order to reduce the attrition rates of special education teachers, school districts need to increase administrative support of special education teachers. School district administrators have the ability to improve all the areas that research has revealed to affect teacher attrition rates: salary, workload, professional development, and job design. It was my belief that a survey of special education teachers and school administrators in the Portland Metro area would reveal that administrative support has the largest impact on whether or not special educators will remain in the profession and that special education teachers who have been in the profession three or more years perceive a higher level of administrative support. This study identifies what administrators and special education teachers/TOSAs perceive to be the cause of attrition and interventions to reduce high special education teacher attrition rates while determining if there is a difference between the perceptions of administrators and special education teachers/TOSAs regarding special education teacher attrition. It was believed



this study would replicate the results of researchers regarding special education teachers/TOSAs' beliefs of the causes of attrition and interventions to increase special education teacher retention. Further, this study was expected to extend current research by including the perceptions of administrators and comparing administrator and special education teacher/TOSA perceptions. There is no research available that addresses administrator perceptions of special education teacher attrition nor is there any research available that compares the two groups.



CHAPTER 3

METHODOLOGY

Study Overview

This research was a mixed methods descriptive study involving the surveying of three discipline groups: administrators, special education teachers and teachers on special assignment (TOSAs) employed in twenty-five school districts and three Educational Service Districts (ESDs) in the Portland metro area. The twenty-five school districts and three ESDs are located in Clackamas, Multnomah, and Washington counties in the state of Oregon. The purpose of this study was to identify what administrators and special education teachers perceive as causes of high special education teacher attrition and to identify interventions that would increase the likelihood a special education teacher would remain in the special education teaching profession. The discipline group results were compared and contrasted to determine if administrators, special education teachers, and TOSAs identify similar causes of special education teacher attrition and interventions to increase a special education teacher's intent to remain in the profession.

Research Methodology

This was a descriptive study including a single point in time survey targeting administrators', special education teachers', and TOSAs' perceptions regarding the reasons for special education teacher attrition and ways to increase special educator teacher rates of retention. Participants in the survey were anonymous. There was no way to connect survey responses with the respondents. Convenience sampling was used to gather survey responses. According to Fraenkel & Wallen (1996), "A convenience sample is a group of individuals who (conveniently) are available for this study" (p. 99).



Administrators, special education teachers and TOSAs from twenty-five school districts and three ESDs located in Clackamas, Washington, and Multnomah counties were recruited to participate in the survey. All survey responses were used and analyzed. There were two identified discipline groups for this study: group one included school district administrators and group 2 included special education teachers/ and TOSAs. One survey was developed for administrators and another survey for special education teachers and TOSAs. Each survey included an informed consent response, a series of quantitative demographic responses, Likert scale questions, dichotomous questions and two qualitative open-ended questions (see Appendices D and E).

A mixed methods research approach was utilized for this study. The rationale for using a mixed methods research approach was to develop a deeper understanding as to why administrators and special education teachers perceive a specific cause and intervention as having a greater influence on special education teacher attrition rates. Creswell (2005) writes, "You conduct a mixed methods study when you have both quantitative and qualitative data and both types of data, together, provide a better understanding of your research problem than either type by itself" (p. 510). By conducting only a quantitative research study I could only make assumptions as to why the participants responded in the manner they did. By asking why the participants selected a specific response provided further insight into the impact of the cause or intervention they identified. Driscoll, Appiah-Yeboah, Salib, & Rupert (2007) suggest, "The collection and analysis of embedded qualitative responses can augment and explain complex or contradictory survey responses" (p. 24).



Study Design

Two Zoomerang[©] online surveys, one for administrators, and another survey for special education teachers and TOSAs , were developed with specific questions related to the perceived causes of special education teacher attrition and interventions to potentially reduce high special education teacher attrition rates (see Appendices D and E). An email was created to introduce myself, the purpose of the study, how to access the survey, and Informed Consent (see Appendices B and C). Special education teachers and administrators in twenty-five school districts and three ESDs in the Portland metro area were contacted by email requesting them to complete their discipline group survey and asked to forward the survey to any other administrators or special education teachers that work in Clackamas, Multnomah, and/or Washington counties who would be able to complete the survey.

A triangulation mixed methods study design was used. Quantitative and qualitative data were collected simultaneously. According to Creswell (2005), "The purpose of a triangulation mixed methods design is to simultaneously collect both quantitative and qualitative data, merge the data, and use the results to understand a research problem" (p. 514). Participants rated the perceived level of impact of various causes and interventions on special education teacher attrition and retention rates, they identified a primary perceived cause of attrition and a primary perceived intervention to increase retention rates, and then they explained why they chose a specific primary cause and intervention. Both the quantitative and qualitative data were analyzed to identify commonalities and differences between administrator and special education teacher/TOSA perceptions of the causes of high special education teacher attrition rates



and possible interventions to increase retention rates. For this study both quantitative and qualitative data were considered equally when developing conclusions regarding administrator and special education teacher/TOSA perceptions of causes of and interventions to reduce special education teacher attrition.

Research Questions Restated

This mixed methods study answered the following questions:

- 1. What causes do administrators and special education teachers/TOSAs perceive as influencing high special education teacher attrition rates?
- 2. Do administrators and special education teachers/TOSAs identify the causes of high special education teacher attrition rates?
- 3. What interventions do administrators and special education teachers/TOSAs perceive will increase special education teacher retention rates?
- 4. Do administrators and special education teachers/TOSAs identify the same interventions for reducing high special education teacher attrition rates?

Researcher's Role

As the researcher for this study, I took an active role in the design of the survey and the distribution of the survey. I utilized my collegial connections and relationships with school district and ESD staff to elicit participation in the pilot of the two surveys. I also relied on my relationships with school district and ESD staff to increase the distribution of surveys in the twenty-five school districts.

Participants

There are two participant groups in this study. The first participant group was composed of district and building level administrators. The second participant group included special education teachers and TOSAs. All study participants were anonymous with no way to connect responses with the respondents. Informed consent for the survey



was provided twice for the participants, once in the email requesting their participation in the survey and then again on page one of each survey (see Appendices B-E). A statement on page two of the survey required the participant to mark if they agreed to participate in the study, which indicated they had read and understood the informed consent. Every participant marked that that they agree to participate. Prior to distributing the surveys, I received approval from Portland State University's Instructional Review Board (IRB) to proceed with this study.

Recruitment and Selection

Participants were recruited from twenty-five school districts and three Education Service Districts (ESDs) in the Portland metro area. An email was sent to all the special education and human resources directors in the twenty-five school districts and three ESDs in the Portland metro area requesting the email addresses for special education teachers and administrators in their districts (see Appendix A). A follow-up request was sent a week following the initial email requesting the email address list. In the event I did not receive a response from a school district and/or ESD representative, email addresses for special education teachers and administrators were generated from the school district and/or ESD website.

Two email lists are generated and emails were sent to the special education teachers and administrators in all twenty-five schools districts and three ESDs in the Portland metro area in June of 2012. The surveys were deployed in June since this was the time in the school year that special education teachers decide whether or not they will return to their positions the following year and they are able to reflect on the events of the most recent school year. The email included the purpose of the survey, an informed



consent statement, and a link to the survey website (see Appendices B and C). Once participants selected the survey link, they were able to complete the survey online. Reminder emails were sent on a weekly basis for three weeks requesting staff to complete their corresponding survey.

Survey Design and Review

Two separate surveys were developed and disseminated: one for administrators and one for special education teachers/TOSAs (see Appendices D and E). These surveys were developed based on reviewed research related to special education teacher attrition. Both surveys were mixed method in format and gathered demographic information, perceptions of why special education teachers leave the profession, and perceptions of interventions to retain special education teachers.

The administrator survey included an informed consent response, eight quantitative demographic responses, two quantitative four-level Likert-scale questions, three qualitative dichotomous questions, and two qualitative open-ended response questions (see Appendix D). The demographic questions included:

- 1. What type of educational organization do you work for?
- 2. What is your administrative role?
- 3. What level administrator are you?
- 4. Select the county where your school district/ESD is located:
- 5. How many years working as an administrator?
- 6. Have you ever worked as a special education teacher?
- 7. Did you complete your administrator preparation program in Oregon?
- 8. How many courses have you taken on the policies, practices, and education of students with disabilities?

The first Likert question asked the administrator to rate whether they perceived the identified causes as influencing special education teacher attrition rates to great extent, somewhat, very little, or not at all. The second Likert question asked the



administrator to rate whether the identified intervention would possibly reduce special education teacher attrition rates to a great extent, somewhat, very little, or not at all. The two dichotomous questions included in the survey asked the administrator to identify their perceived primary cause of high special education teacher attrition rates and their perceived primary intervention to reduce high special education teacher attrition rates. The third dichotomous question asked the administrator if they had experienced a reduction in special education teacher attrition in their school/district since the start of the current economic downturn in Oregon. The two open-ended response questions asked why they thought the cause they chose would have significant impact on special education teacher attrition rates and why they thought the intervention they chose would reduce high special education teacher attrition rates.

The special education teacher and TOSA survey included an informed consent response, ten quantitative demographic responses, two quantitative four-level Likert-scale questions, two quantitative dichotomous questions, and two qualitative open-ended response questions (see Appendix E). The informed consent response required the participant to mark if they agreed to participate in the study indicating they had read and understood the informed consent. The demographic responses included:

- 1. What type of educational organization do you work for?
- 2. What education level do you case manage/teacher/support?
- 3. In your role you:
- 4. Select the county where your school district/ESD is located:
- 5. Do you currently possess a teaching license with a special education endorsement?
- 6. How many years have you been a special education teacher?
- 7. What was the length of your special education teacher preparation program?
- 8. Did you complete your special education teacher preparation program in Oregon?
- 9. How many more years do you see yourself remaining as a special education teacher?



10. Has the current economic downturn facing Oregon school districts impacted your decision to remain in the special education field?

The first Likert question asked the special education teacher or TOSA to rate whether they perceived the identified causes as influencing special education teacher attrition rates to great extent, somewhat, very little, or not at all. The second Likert question asked the special education teacher or TOSA to rate whether the identified intervention would possibly reduce special education teacher attrition rates to a great extent, somewhat, very little, or not at all.

The two dichotomous questions included in the survey asked the special education teacher or TOSA to identify their perceived primary cause of high special education teacher attrition rates and their perceived primary intervention to reduce high special education teacher attrition rates. The two open-ended response questions asked why they thought the cause they chose would have significant impact on special education teacher attrition rates and why they thought the intervention they chose would reduce high special education teacher attrition rates.

Both surveys were piloted on two special education teachers, one TOSA, and three administrator colleagues. The pilot participants were chosen based on their current employment as administrators, special education teachers, and TOSA. They were asked to provide feedback on the format and the user friendliness of the survey. Their feedback was reviewed and then the surveys were revised as needed. The pilot participants reviewed the revised surveys and once again provided feedback for needed revisions. The survey was revised a second time and then deployed to special education teachers, TOSAs, and administrators.



Data Analysis

This study addressed four research questions and a total of six hypotheses were tested. A triangulation design analysis was used to analyze the data obtained by the surveys. Quantitative and qualitative responses were combined to determine what themes arose related to perceived causes of special education teacher attrition and possible interventions to reduce high special education teacher attrition rates.

Research question one. What causes do administrators and special education teachers/TOSAs perceive as influencing high special education teacher attrition rates? A variety of educational researchers have found that special education paperwork has an impact on the attrition rates of special education teachers (Billingsley, 2004; Embich, 2001; Gehrke & Murri, 2006; Gersten et al., 2001; Schnorr, 1995; Sindelar, Brownell, & Billingsley, 2010; Stempien & Loeb, 2002). Educational researchers have also concluded that a lack of administrative support and a lack of administrator understanding of the special education teacher's job influence high special education teacher attrition rates (Gehrke & Murri, 2006; Guarino et al., 2006; Kaff, 2004; Otto & Arnold, 2005; Westling & Whitten, 1996). There was no current research that identified what administrators and special education teachers perceived to be the primary cause of high special education teacher and an administrator rates so, based on my experience as a special education teacher and an administrator and a review of literature I hypothesized:

1. Administrators perceive too much paperwork as the greatest cause of high special education teacher attrition rates.



2. Special education teachers and TOSAs perceive a lack of administrator support² as the greatest cause of high special education teacher attrition rates.

The proposed study tested these hypotheses and determined if administrators perceived too much paperwork as having a greater influence on special education teacher attrition rates than another identified cause and if special education teachers perceived a lack of administrator support as having a greater influence on special education teacher attrition rates than another cause.

Variables. The statistical analysis to determine whether or not administrators perceived paperwork as the greatest cause of special education teacher attrition rates than another cause and whether or not special education teachers perceived a lack of administrator support as having as the greatest cause of special education teacher attrition rates than another cause involved two independent categorical variables and one continuous dependent variable. The first independent variable was the role of the respondent, which had two factors: factor one administrator and factor two special education teacher and TOSA. The second independent variable was the perceived cause of high special education teacher attrition rates which had eleven factors: high caseload, lack of administrative support, lack of positive collegial relationships, lack of professional development opportunities that relate to the special education teacher position, lack of teacher mentor support, lack of university teacher preparation, need for a

 $^{^{2}}$ For the purpose of this study, administrator support is defined as assisting special education teachers with the inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving (Billingsley, 2003; Westling & Whitten, 1996).



higher salary, poor job design of the special education teacher position, role dissonance³, too many meetings to attend, and too much paperwork (see Table 4).

The variables of role of the respondent and causes of special education teacher attrition were independent variables, because they were "variables the researcher chooses to study...in order to assess their possible effects on one or more variables" (Fraenkel & Wallen, 1996, p. 54). The variables of role and causes of high special education teacher attrition had an impact on the dependent variable of Likert scale rating. Both independent variables were categorical since they "do not vary in degree, amount, or quantity but are qualitatively different" (Fraenkel & Wallen, 1996, p. 52). There were two levels for the variable of role and eleven levels for the causes of high special education teacher attrition rates.

Question One In	aepenaent Variables		
		Variable	
Variable Type	Variable	Number	Variable Levels
Independent	Role	1.	Administrator.
Categorical		2.	Special Education Teacher.
Variable (IV)			
Independent	Causes of high special	1.	High caseload.
Categorical	education teacher attrition	2.	Lack of administrative support.
Variable (IV)	rates.	3.	Lack of positive collegial relationships.
		4.	Lack of professional development opportunities
			that relate to the special education teacher position.
		5.	Lack of teacher mentor support.
		6.	Lack of university teacher preparation.
		7.	Need for a higher salary.
		8.	Poor job design of the special education teacher position.
		9.	Role dissonance.
		10.	Too many meetings to attend.
		11.	Too much paperwork.

Table 4

³ For the purpose of this study, role dissonance was defined as a difference between what the special education teacher job requires and what the teacher thought the job would be like.



There is one dependent variable in this data analysis, the Likert scale rating that has four levels: great extent, somewhat, very little, and not at all. This variable is continuous, because the variable measures "a point along a continuum of scores, from low [not at all] to high [great extent]" (Creswell, 2005, p. 120). According to Bordens and Abbott (2005), "A Likert scale provides a series of statements to which participants can indicate degrees of agreement or disagreement" (p. 237).

Table 5Question One Dependent Variables

		Variable	Variable
Variable Type	Variable	Number	Levels
Dependent	Likert Scale	1.	Great Extent
Variable	Rating	2.	Somewhat
(DV)		3.	Very Little
		4.	Not at All

In discussions of Likert scale ratings, one controversial issue is whether or not Likert scale ratings are ordinal or interval (Carifio, 1976; Carifio, 1978; Harlow, 2005; Jaimeson, 2004; Norman, 2010; Pell, 2005). Statisticians who believe Likert ratings are ordinal in nature challenge the analysis of Likert scale responses using parametric statistics (Jaimeson, 2004; Stevens, 1946; Stevens, 1951). Statisticians who view Likert scale data as ordinal believe that Likert scale data are not normally distributed and as a result must be analyzed through non-parametric statistics (Jaimeson, 2004; Kuzon, Urbancheck, & McCabe, 1996). Other statisticians argue and have demonstrated that Likert rating data can be interval in nature and as a result can be analyzed using parametric statistics (Carifio, 1976; Carifio, 1978; Carifio & Perla, 2008; Norman, 2010; Pell, 2005). For the purpose of this study, the Likert ratings were treated as interval ratings, having equal distance from one response to the other, and parametric data analysis was used to test the two hypotheses.



Statistical analysis of administrator responses. To address the research question, "What cause do administrators and special education teachers/TOSAs perceive as influencing high special education teacher attrition rates?" and to test the hypothesis, "administrators perceive too much paperwork as the greatest cause of high special education teacher attrition rates," the mean and standard deviation from administrator responses for each cause were calculated. A two-way analysis of variance (ANOVA) was conducted. The first analysis tested whether or not there is a significant difference between administrator perceptions of the causes of high special education teacher attrition. The second analysis compared the mean of administrator responses to the cause of too much paperwork to the mean of each of the other ten factors. An F statistic and the degrees of freedom were calculated and the *p*-value determined for both analysis. When analyzing the data, a 0.05 significance level was applied. For the first analysis if the p*value* was less than a 0.05 significance level, I concluded that there was a statistical difference between administrator perceptions of the causes of high special education teacher attrition. For the second analysis, if the *p*-value was less than a 0.05 significance level, I concluded that administrators perceive too much paperwork as the greatest cause of high special education teacher attrition rates. If the *p*-value was less than a 0.05 significance level, I was 95% confident that there was a statistical difference between administrator perceptions of the causes of high special education teacher attrition and/or administrators perceived that too much paperwork as the greatest cause of high special education teacher attrition rates.



f) p

Table 6Administrator Responses to Perceived Causes of Special Education Teacher Attrition

Statistical analysis of special education teacher/TOSA responses. To address the research question, "What cause do administrators and special education teachers/TOSAs perceive as influencing high special education teacher attrition rates?" and to test the hypothesis "special education teachers and TOSAs perceive a lack of administrator support as the greatest cause of high special education teacher attrition rates," the mean and standard deviation from special education teacher responses for each cause were calculated. A two-way analysis of variance (ANOVA) was conducted. The first analysis tested whether or not there is significant difference between special education teacher and



TOSA perceptions of the causes of high special education teacher attrition. The second analysis compared the mean of special education teacher and TOSA responses to the cause of lack of administrator support to each mean of each of the other ten factors. An F statistic and the degrees of freedom were calculated and the *p*-value determined for both analyses. When analyzing the data from this study, a 0.05 significance level was applied. For the first analysis if the *p*-value was less than a 0.05 significance level, I concluded that there was a statistical difference between special education teacher and TOSA perceptions of the causes of high special education teacher attrition. For the second analysis, if the *p*-value was less than a 0.05 significance level, I concluded that special education teachers and TOSAs perceived a lack of administrator support as the greatest cause of high special education teacher attrition rates. If the *p*-value was less than a 0.05 significance level, I was 95% confident that there is a statistical difference between special education teacher perceptions of the causes of high special education teacher attrition and/or special education teachers perceive a lack of administrator support is the greatest cause of high special education teacher attrition rates.



		Response, No (%)								
	Cause	Great Extent	Somewhat	Very Little	Not at All	n	Μ	SD	F(df)	p
1.	High caseload.									
2.	Lack of									
	administrative									
	support.									
3.	Lack of positive									
	collegial									
	relationships.									
4.	Lack of									
	professional									
	development									
	opportunities that									
	relate to the special									
_	education position.									
5.	Lack of teacher									
	mentor support.									
6.	Lack of university									
	teacher									
-	preparation.									
7.	Need for a higher									
0	salary.									
8.	Poor job design of									
	the special									
	education teacher									
0	Pola dissonance									
9. 10	Too many									
10.	meetings to attend									
11	Too much									
11.	naperwork									

Table 7Special Education Teacher and TOSA Responses to Perceived Causes of Special Education TeacherAttrition

Research question two. Do administrators and special education teachers/TOSAs

identify the same causes of high special education teacher attrition rates? Given the high

incidence of special education teacher attrition, I hypothesized:

1. Administrators and special education teachers/TOSAs identify a different cause of high special education teacher attrition rates.

This study determined if administrators and special education teachers/TOSAs identified

a different cause of special education teacher attrition rates and provided information



about why administrators, special education teachers, and TOSAs believed a specific cause had a significant impact on special education teacher attrition.

Variables. The quantitative and qualitative analysis to determine whether or not administrators and special education teachers identified a different perceived cause of high special education teacher rates involved one independent categorical variable and one dependent categorical variable. The independent variable was the role of the respondent, which had two factors: factor one was administrators and factor two was special education teachers and TOSAs. The dependent variable was the cause of high special education teacher attrition rates: high caseload, lack of administrative support, lack of positive collegial relationships, lack of professional development opportunities that relate to the special education teacher position, lack of teacher mentor support, lack of university teacher preparation, need for a higher salary, poor job design of the special education teacher position, role dissonance⁴, too many meetings to attend, and too much paperwork. The identification of one cause as having the greatest impact on special education teacher attrition was dependent on the role of the respondent (see Table 8).

⁴ Difference between what the special education teacher job requires and what the teacher thought the job would be like.



Question 1 wor	ar raores		
		Variable	
Variable Type	Variable	Number	Variable Levels
Independent	Role	1.	Administrator.
Categorical		2.	Special Education Teacher
Variable (IV)			
Dependent	Causes of high special	1.	High caseload.
Categorical	education teacher attrition	2.	Lack of administrative support.
Variable (DV)	rates.	3.	Lack of positive collegial relationships.
		4.	Lack of professional development opportunities
			that relate to the special education teacher
			position.
		5.	Lack of teacher mentor support.
		6.	Lack of university teacher preparation.
		7.	Need for a higher salary.
		8.	Poor job design of the special education teacher
			position.
		9.	Role dissonance.
		10.	Too many meetings to attend.
		11.	Too much paperwork.

Table 8Ouestion Two Variables

Qualitative data analysis. Qualitative data collected from the open-ended response question regarding perceived causes of special education teacher attrition was analyzed through a coding process. According to Creswell (2005), "Coding is the process of segmenting and labeling text to form descriptions and broad themes in data" (p. 237). Through the process of coding, common themes were identified and then analyzed to determine if administrators and special education teachers/TOSAs identified similar themes for perceived causes having a greater impact on special education teacher attrition. Qualitative data was analyzed using Creswell's (2005) qualitative data analysis approach of "read through [the] text data, divide the text into segments of information, label the segments of information with codes, reduce overlap and redundancy of codes, and collapse codes into theme" (p. 238). The frequency of the qualitative data was calculated and then compared to the quantitative results. This was a vertical analysis with the data being vertically analyzed within each response group, all administrators then all special education teachers/TOSAs.



Quantitative data analysis. Administrators, special education teachers, and

TOSAs identified one primary perceived cause of special education teacher attrition as

having the greatest impact on attrition rates. Respondents answered an open-ended

question about why they believed the perceived cause they selected had a significant

impact on special education teacher attrition.

Responses from administrators and special education teachers were placed in a

frequency table. The results from the frequency table were ordered to determine a rank

order of perceived causes of special education teacher attrition by each respondent group.

The mean of the responses from the group was calculated for each cause.

Table 9

Frequency Table of Administrator	Responses to	Perceived	Primary	Causes	of Special	Education	Teacher
Attrition Rates							

	Cause	Frequency	М	Rank Order
1.	High caseload.			
2.	Lack of administrative support.			
3.	Lack of positive collegial relationships.			
4.	Lack of professional development opportunities that relate to the			
	special education position.			
5.	Lack of teacher mentor support.			
6.	Lack of university teacher preparation.			
7.	Need for a higher salary.			
8.	Poor job design of the special education teacher position.			
9.	Role dissonance.			
10.	Too many meetings to attend.			
11.	Too much paperwork.			



Table 10

Spec	tal Education Teacher Attrition Rates			
	Cause	Frequency	M	Rank Order
1.	High caseload.			
2.	Lack of administrative support.			
3.	Lack of positive collegial relationships.			
4.	Lack of professional development opportunities that relate to the			
	special education position.			
5.	Lack of teacher mentor support.			
6.	Lack of university teacher preparation.			
7.	Need for a higher salary.			
8.	Poor job design of the special education teacher position.			
9.	Role dissonance.			
10.	Too many meetings to attend.			
11.	Too much paperwork.			

Frequency Table of Special Education Teacher and TOSA Responses to Perceived Primary Causes of Special Education Teacher Attrition Rates

determine if there is a statistical difference between what administrators identify as the greatest cause of special education teacher attrition and what special education teachers identify as the greatest cause of special education teacher attrition. A two-tailed t-test for independent samples was used to determine if there is a statistical difference among the

The mean results for each cause from each group were then compared to

selections of administrators and special education teachers.



		Administrator		or	Spe Ta				
	-		M			NA	CD	- (10	
-	Cause	n	M	SD	n	M	SD	t (aj)	<i>p</i>
1.	High caseload.								
2.	Lack of administrative								
	support.								
3.	Lack of positive collegial								
	relationships.								
4.	Lack of professional								
	development								
	opportunities that relate								
	to the special education								
	position.								
5.	Lack of teacher mentor								
	support.								
6.	Lack of university								
	teacher preparation.								
7.	Need for a higher salary.								
8.	Poor job design of the								
	special education teacher								
	position.								
9.	Role dissonance.								
10.	Too many meetings to								
	attend.								
11.	Too much paperwork.								

Table 11Administrator and Special Education Teacher/TOSA Primary Perceived Causes of Special EducationTeacher Attrition and t Values

After completing the initial analysis of the quantitative survey results, I determined there were medium to high correlations⁵ among a number of the perceived causes of high special teacher attrition rates (see Table18). As a result of this finding, I decided to utilize Exploratory Factor Analyses (EFAs) to identify the nature of the latent factors underlying responses to the 11-item scale of perceived causes of high special education teacher attrition rates and combine some of the items based on a factor structure. Jain and Shandliya (2013) wrote:

Exploratory factor analysis (EFA) is generally used to discover the factor structure of a measure and to examine its internal reliability. EFA is often

⁵ The cutoff points for a relationship effect size at small, medium, and large level according to rules of thumb set out by Cohen and others for correlation coefficient r are: r = .1 indicates small level; r = .3 indicates medium level; r = .5 indicates large.



recommended when researchers have no hypotheses about the nature of the underlying factor structure of their measure. (p.374)

There were no hypothesis regarding the factor structure, so an EFA was conducted to determine if the data resulted in some form of factor structure. Jain and Shandliya (2013) explained, "It [EFA] traditionally has been used to explore the possible underlying factor structure of a set of measured variables without imposing any preconceived structure on the outcome" (p. 374). The EFA was conducted using a principal axis factoring extraction and varimax rotation to determine if the factor structure was a good fit to the data.

Research question three. What interventions do administrators and special education teachers/TOSAs perceive will increase special education teacher retention rates? Researchers of special education teacher attrition and retention agree that the amount of paperwork required to be completed by special education teachers influences their decision to stay or leave the special education teacher profession (Billingsley, 2004; Embich, 2001; Gehrke & Murri, 2006; Gersten et al, 2001; Schnorr, 1995; Sindelar, Brownell, & Billingsley, 2010; Stempien & Loeb, 2002). Educational researchers have also concluded that the level of perceived administrator support has an impact on a special education teacher's decision to stay or leave his or her job (Gehrke & Murri, 2006; Guarino et al., 2006; Kaff, 2004; Otto & Arnold, 2005; Westling & Whitten, 1996). There was no current research that identified what administrators and special education teachers/TOSAs perceived to be the primary intervention that would have the greatest impact on increasing special education teacher retention rates; however, based on my



experience as a special education teacher and as an administrator and a review of literature, I hypothesized:

- 1. Administrators perceive a reduction in paperwork as the intervention that will increase special education teacher retention rates.
- 2. Special education teachers perceive increased administrator support⁶ as the intervention that will increase special education teacher retention rates.

This study tested these hypotheses to determine if: administrators perceived a reduction in paperwork as having a greater impact on increased special education teacher retention rates than another intervention and if special education teachers and TOSAs perceived increased administrator support as having a greater impact on increased special teacher attrition rates than another intervention.

Variables. The statistical analysis to determine whether or not administrators perceived a reduction in paperwork as the intervention that would have the greatest impact on increasing special education teacher retention rates than another intervention and whether or not special education teachers perceived an increase in administrator support as the intervention that would have the greatest impact on increasing special education teacher retention rates involved two independent categorical variables and one continuous dependent variable. The first independent variable was the role of the respondent, which had two factors: factor one was administrator and factor two was special education teacher and TOSA. The second independent variable was the intervention perceived to increase the retention of special education teachers, which had twelve factors: increase administrator support; increase administrative understanding of

⁶ Assisting special education teachers with the inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving (Billingsley, 2003; Westling & Whitten, 1996).


special education policies, procedures, and instructional practices; increase general education understanding of special education policies, procedures, and instructional practices; increase the length of time spent in teacher preparation programs; increase professional development opportunities directly related to special education teachers; increase opportunities to collaborate with general education colleagues; increase opportunities to collaborate with special education colleagues; increase special education teacher salaries; lower special education teacher caseloads; redesign the special education teacher position; reduce paperwork requirements; and reduce the number of meetings special education teachers must attend.

The variables of role of the respondent and interventions perceived to increase the retention of special education teachers were independent variables. The variables of role and interventions to increase the retention of special education teachers had an impact on the dependent variable of Likert rating. Both independent variables were categorical. There were two factors for the variable of role and ten factors for interventions to increase special education teacher attrition rates and they did not fluctuate. There was one dependent variable in this data analysis, the Likert scale rating that had four factors: great extent, somewhat, very little, and not at all. This variable of Likert scale was continuous.



~~~~		Variable	
Variable Type	Variable	Number	Variable Levels
Independent	Role	1.	Administrator.
Categorical		2.	Special Education Teacher and TOSA.
Variable (IV)			
Dependent	Interventions to increase	1.	Increase administrative support.
Categorical	the retention of special	2.	Increase administrative understanding of special
Variable (DV)	education teachers		education policies, procedures, and instructional practices.
		3.	Increase general education understanding of
			special education policies, procedures, and instructional practices
		4	Increase the length of time spent in teacher
			preparation programs.
		5.	Increase professional development opportunities
			directly related to special education teachers.
		6.	Increase opportunities to collaborate with
			general education colleagues.
		7.	Increase opportunities to collaborate with special education colleagues.
		8.	Increase special education teacher salaries.
		9.	Lower special education teacher caseloads.
		10.	Redesign the special education teacher position.
		11.	Reduce paperwork requirements.
		12.	Reduce the number of meetings special
			education teachers must attend.
Dependent	Likert Scale Rating	1.	Great Extent
Variable (DV)		2.	Somewhat
		3.	Very Little
		4.	Not at All

Table 12Ouestion Three Variables

As previously mentioned in this data analysis section, there are debates among statisticians regarding whether or not Likert scale ratings are ordinal or interval (Carifio, 1976; Carifio, 1978; Harlow, 2005; Jaimeson, 2004; Norman, 2010; Pell, 2005). For the purpose of this research question, the Likert scale ratings were treated as interval ratings, having equal distance from response to the other, and parametric data analysis was used to test the two hypotheses.

*Statistical analysis of administrator responses.* To address the research question, "What intervention do administrators, special education teachers, and TOSAs perceive



will increase special education teacher retention rates?" and to test the hypothesis, "administrators perceive a reduction in paperwork as the intervention that will increase special education teacher retention rates," the mean and standard deviation from administrator responses for each intervention were calculated. A two-way analysis of variance (ANOVA) was conducted. The first analysis tested whether or not there was a significant difference between administrator perceptions of the interventions that will increase special education teacher retention rates. The second analysis compared the mean of administrator responses to the intervention of a reduction in paperwork to the mean of each of the other nine interventions. An F statistic and the degrees of freedom were calculated and the *p*-value determined for both analyses. When analyzing the data from this study, a 0.05 significance level was applied. For the first analysis if the *p*-value was less than a 0.05 significance level, I concluded that there was a statistical difference between administrator perceptions of interventions to increase special education teacher retention rates. For the second analysis, if the *p*-value was less than a 0.05 significance level, I concluded that administrators perceived a reduction in paperwork as the intervention that would have the greatest impact on increasing special education teacher retention rates. If the *p*-value was less than a 0.05 significance level, I was 95% confident that there was a statistical difference between administrator perceptions of interventions to increase special education teacher retention rates and/or administrators perceived that a reduction in paperwork was the intervention that would have the greatest impact on increasing special education teacher retention rates.



Table 13 Administrator Responses to Interventions Perceived to Increase Special Education Teacher Retention Rates

		Response, No (%)								
	Intervention	Great Extent	Somewhat	Very Little	Not at All	п	M	SD	F (df)	р
1.	Increase administrative support.									
2.	Increase administrative understanding of special education policies, procedures, and instructional practices.									
3.	Increase general education understanding of special education policies, procedures, and instructional practices.									
4.	Increase the length of time spent in teacher preparation programs.									
5.	Increase professional development opportunities directly related to special education teachers.									
6.	Increase opportunities to collaborate with general education colleagues.									
7.	Increase opportunities to collaborate with special education colleagues.									
8. 9.	Increase special education teacher salaries. Lower special education teacher caseloads.									
10.	Redesign the special education teacher position.									
11.	Reduce paperwork requirements.									
12.	Reduce the number of meetings special education teachers must attend.									





Statistical analysis of special education teacher/TOSA responses. To address the research question, "What intervention do administrators, special education teachers, and TOSAs perceive will increase special education teacher retention rates?" and test the hypothesis "special education teachers perceive increased administrator support as the intervention that will increase special education teacher retention rates," the mean and standard deviation from special education teacher responses for each intervention were calculated. A two-way analysis of variance (ANOVA) was conducted. The first analysis tested whether or not there was a significant difference between special education teacher perceptions of the interventions that would increase special education teacher retention rates. The second analysis compared the mean of special education teacher responses to the intervention of increased administrator support to the mean of each of the other nine interventions. An F statistic and the degrees of freedom were calculated and the *p*-value determined for both analyses. When analyzing the data from this study a 0.05 significance level was applied. For the first analysis if the *p*-value was less than a 0.05 significance level, I concluded that there was a statistical difference between special education teacher perceptions of interventions to increase special education teacher retention rates. For the second analysis, if the *p*-value was less than a 0.05 significance level, I concluded that special education teachers perceived increased administrator support as the intervention that would have the greatest impact on increasing special education teacher retention rates. If the *p*-value was less than a 0.05 significance level, I was 95% confident that there was a statistical difference between special education teacher perceptions of interventions to increase special education teacher retention rates and/or administrators perceived that increased administrator support was the intervention



that would have the greatest impact on increasing special education teacher retention rates.

 Table 14

 Special Education Teacher and TOSA Responses to Interventions Perceived to Increase Special Education Teacher Retention Rates.

			Response	e, No (%)						
	Intervention	Great Extent	Somewhat	Very Little	Not at All	n	М	SD	F (df)	р
1.	Increase administrative support.									-
2.	Increase administrative understanding of									
	special education policies, procedures, and									
3.	Increase general education understanding									
	of special education policies, procedures,									
	and instructional practices.									
4.	Increase the length of time spent in teacher									
_	preparation programs.									
5.	Increase professional development									
	aducation teachers									
6	Increase opportunities to collaborate with									
0.	general education colleagues.									
7.	Increase opportunities to collaborate with									
	special education colleagues.									
8.	Increase special education teacher salaries.									
9.	Lower special education teacher caseloads.									
10.	Redesign the special education teacher									
	position.									
11.	Reduce paperwork requirements.									
12.	Reduce the number of meetings special									
	education teachers must attend.									



**Research question four.** Do administrators and special education teachers identify the same interventions for reducing high special education teacher attrition rates? Given the high incidence of special education teacher attrition, I hypothesized:

1. Administrators and special education teachers identify a different intervention for reducing high special education teacher attrition rates.

This study determined if administrators and special education teachers identify a different perceived intervention for increasing special education teacher retention rates and provided information about why administrators, special education teachers, and TOSAs believe a specific intervention would have an impact on the increasing retention rates.

*Variables*. A quantitative and qualitative analysis approach was used to determine whether or not administrators and special education teachers identified a different perceived intervention for increasing special education teacher retention rates. The data included one independent categorical variable and one dependent categorical variable. The independent variable was the role of the respondent, which had two factors: factor one was administrator and factor two was special education teacher and TOSA. The dependent variable was the intervention to increase special education retention rates, which had twelve factors; increase administrator support; increase administrative understanding of special education policies, procedures, and instructional practices; increase general education understanding of special education policies, procedures, and instructional practices; increase the length of time spent in teacher preparation programs; increase professional development opportunities directly related to special education teachers; increase opportunities to collaborate with general education colleagues; increase opportunities to collaborate with special education colleagues; increase special education



teacher salaries; lower special education teacher caseloads; redesign the special education teacher position; reduce paperwork requirements; and reduce the number of meetings special education teachers must attend. The identification of one perceived primary intervention for increasing special education teacher retention rates was dependent on the role of the respondent.

Table 15

Question Four V	<i>Variables</i>		
		Variable	
Variable Type	Variable	Number	Variable Levels
Independent	Role	1.	Administrator.
Categorical		2.	Special Education Teacher and TOSA.
Variable (IV)			1
Dependent	Interventions to increase	1.	Increase administrative support.
Categorical Variable (DV)	the retention of special education teachers.	2.	Increase administrative understanding of special education policies, procedures, and instructional practices.
		3.	Increase general education understanding of special education policies, procedures, and instructional practices.
		4.	Increase the length of time spent in teacher preparation programs.
		5.	Increase professional development opportunities directly related to special education teachers.
		6.	Increase opportunities to collaborate with general education colleagues.
		7.	Increase opportunities to collaborate with special education colleagues.
		8.	Increase special education teacher salaries.
		9.	Lower special education teacher caseloads.
		10.	Redesign the special education teacher position.
		11.	Reduce paperwork requirements.
		12.	Reduce the number of meetings special education teachers must attend.

Qualitative data analysis. Qualitative data collected from the open-ended

response question regarding perceived interventions to increase retention rates of special education teachers was analyzed through Creswell's (2005) qualitative coding process where common themes were identified and then analyzed to determine if administrators



and special education teachers/TOSAs identified similar themes regarding interventions to increase rates of retention. The frequency of the qualitative data was calculated and then compared to the quantitative results. This was a vertical analysis with the data being vertically analyzed within each response group, all administrators then all special education teachers/TOSAs.

*Quantitative data analysis*. Administrators, special education teachers, and TOSAs identified one primary perceived intervention that would increase special education teacher retention rates. Respondents were asked to answer why they selected the perceived primary intervention to increase special education teacher retention rates.

Responses from administrators and special education teachers/TOSAs were placed in a frequency table. The results from the frequency table were ordered to determine the rank order of interventions to increase special education teacher retention rates of each respondent group. The mean of the responses from the group was calculated for each cause.



Table 16

Frequency Table of Administrator Responses to Perceived Primary Interventions to Increase Special	
Education Teacher Retention Rates	

	Intervention	Frequency	M	Rank Order
1.	Increase administrative support.			
2.	Increase administrative understanding of special education policies, procedures, and instructional practices.			
3.	Increase general education understanding of special education policies, procedures, and instructional practices.			
4.	Increase the length of time spent in teacher preparation programs.			
5.	Increase professional development opportunities directly related to special education teachers.			
6.	Increase opportunities to collaborate with general education colleagues.			
7.	Increase opportunities to collaborate with special education colleagues.			
8.	Increase special education teacher salaries.			
9.	Lower special education teacher caseloads.			
10.	Redesign the special education teacher position.			
11.	Reduce paperwork requirements.			
12.	Reduce the number of meetings special education teachers must attend.			

Table 17

Frequency Table of Special Education Teacher and TOSA Responses to Perceived Primary Interventions to Increase Special Education Teacher Retention Rates

	Intervention	Frequency	M	Rank Order
1.	Increase administrative support.			
2.	Increase administrative understanding of special education policies,			
	procedures, and instructional practices.			
3.	Increase general education understanding of special education			
	policies, procedures, and instructional practices.			
4.	Increase the length of time spent in teacher preparation programs.			
5.	Increase professional development opportunities directly related to			
	special education teachers.			
6.	Increase opportunities to collaborate with general education			
	colleagues.			
7.	Increase opportunities to collaborate with special education			
	colleagues.			
8.	Increase special education teacher salaries.			
9.	Lower special education teacher caseloads.			
10.	Redesign the special education teacher position.			
11.	Reduce paperwork requirements.			
12.	Reduce the number of meetings special education teachers must			
	attend.			

The mean results for each intervention from each group were then compared to

determine if there is a statistical difference among administrators and special education

teacher responses. A two-tailed t-test for independent samples was used to determine if



there is a statistical difference among the selections of administrators and special

education teachers.

Table 18

Administrator and Special Education Teacher/TOSA Primary Perceived Interventions to Increase Special Education Teacher Retention Rates and t Values

		Adn	ninisti	rator	Special Ed	lucation Tea	cher/TOSA		
	Intervention	n	Μ	SD	n	М	SD	t (df)	р
1.	Increase administrative support.								
2.	Increase administrative								
	understanding of special education								
	policies, procedures, and								
	instructional practices.								
3.	Increase general education								
	understanding of special education								
	policies, procedures, and								
	instructional practices.								
4.	Increase the length of time spent in								
-	teacher preparation programs.								
5.	Increase professional development								
	opportunities directly related to								
6	special education teachers.								
0.	with general education colleagues								
7	Increase opportunities to collaborate								
1.	with special education colleagues								
8	Increase special education teacher								
0.	salaries								
9.	Lower special education teacher								
	caseloads.								
10.	Redesign the special education								
	teacher position.								
11.	Reduce paperwork requirements.								
12.	Reduce the number of meetings								
	special education teachers must								
	attend.								

In a similar vein, as perceived causes of special education teacher attrition, there were medium to high correlations among the number of perceived interventions to increase retention rates of special education teacher (see Table 19). Due to this finding, I decided to conduct an EFA to identify the latent factors underlying responses to the 12-item scale of interventions perceived to increase special education retention rates and



combine some of the items into a factor structure. The EFA was conducted using a principal axis factoring extraction and varimax rotation to determine if the factor structure was a good fit to the data.

# Validity

Shadish, Cook, and Campbell (2002) explained that validity is the "truth of, or correctness of, or degree of support for an inference" (p. 513). To increase the validity of the surveys, I had three administrators, two special education teachers, and one TOSA review the survey twice and I completed revisions based on their feedback. There was an initial review and test of the survey and then an opportunity to provide feedback. The survey was revised based on their suggestions and then they piloted the surveys again. They provided feedback again and any needed revisions were made prior to distributing the survey to the large sample population.

According to Fraenkel and Wallen (1996), "Content-related evidence validity: Refers to the content and format of the instrument" (p. 154). To address issues of content validity the reviewers were asked to answer the following question, "How well do the questions represent all of the possibilities of questions available" (Creswell, 2005, p. 165). They were also asked whether or not the questions were easy to understand and answer. Lastly, they were asked whether or not the survey "format is appropriate" (Fraenkel & Wallen, 1996, p. 154).

Criterion-related validity according to Fraenkel and Wallen (1996) "refers to the relationship between scores obtained using the instrument and scores obtained using oneor more other instruments or measures" (p. 154). In order to address potential issues of criterion-related validity the three administrators, two special education teachers, and one



TOSA, each completed a survey from their group. I reviewed their responses to see if there were any responses that were divergent from current research. If there was a response that was divergent from the results of other researchers, the pilot respondent was contacted to determine why they responded in the manner they did and determine whether or not the divergent response was due to a misunderstanding of the survey. There were no divergent responses that required follow up with the pilot respondent.

In order increase the validity of identified qualitative themes, an impartial evaluator and myself reviewed all administrator and special education teacher/TOSA qualitative responses to the primary perceived causes of special education teacher attrition and responses to the primary perceived interventions to increase special education teacher retention rates. The impartial evaluator and I identified themes and then conferred to determine a final set of qualitative codes for both perceived causes and interventions. The impartial evaluator and I then independently coded all the perceived causes and interventions. We then conferred on our coding and recoded the responses, finally coming to similar coding results for all the responses.

As stated earlier, this study was a mixed methods study that included both quantitative and qualitative responses. Through the combination of responses, the data was triangulated to determine if the same themes came forward. According to Creswell (2005), "Validating findings means that the researcher determines the accuracy or credibility of the findings through strategies such as member checking or triangulation" (p. 252). Through the pilot study, respondents were available to ask follow-up questions about their responses and "check the accuracy of the account" (Creswell, 2005, p. 252). Conclusions about the results were developed and then reviewed with the pilot



respondents to determine the accuracy of the conclusions. Triangulation between the quantitative data and qualitative data was completed to support themes that arose. Once the surveys were deployed to a larger population member checking was not used to check for the validity of the survey results, but the process of comparing the quantitative and qualitative responses to identify similar themes was implemented.

### **Study Limitations**

A limitation of the study was the inability to follow up with participants about their responses and complete a member checking process to clarify responses. The survey was anonymous in an effort to increase participation in the study while getting accurate responses from the participants. Given that the study surveyed staff in three counties in the Portland metro area, some participants may have been hesitant to respond to the survey if there was the potential that their supervisor may find out how they had responded. Through the use of anonymous responses, participants could be honest about their experiences without fear of retribution.



### CHAPTER 4

# FINDINGS

### Structure of Data Analysis

This chapter details the qualitative and quantitative findings of administrator and special education teacher/TOSA perceptions of the causes of special education teacher attrition and interventions to increase the retention of special education teachers. The findings are divided into five sections: Research Question One, Research Question Two, Research Question Three, Research Question Four, and Summary of Findings.

## **Research Question One**

The first research question this study addressed was: What causes do administrators and special education teachers and TOSAs perceive as influencing high special education teacher attrition rates? Hypothesis one was: Administrators perceive too much paperwork as the cause that impacts high special education teacher attrition rates to the greatest extent. Hypothesis two was: Special education teachers perceive a lack of administrator support⁷ as the cause that impacts high special education teacher attrition rates to the greatest extent.

### Quantitative analysis.

*Exploratory Factor Analyses (EFAs) of perceived causes.* Since there were medium to high correlations between a number of perceived causes of special education teacher attrition, (see Table 19) an EFA was utilized to identify the nature of the latent factors underlying responses to the 11-item scale of perceived causes of attrition. An

⁷ For the purpose of this study, administrator support is defined as assisting special education teachers with the inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving (Billingsley, 2003; Westling & Whitten, 1996).



initial EFA was conducted using a principal axis factoring extraction and varimax rotation by including all 11 causes of special education teacher attrition. The need for a higher salary was found to have low factor loadings on all factors (factor loadings < .30) due to its low communality score (communality = .11), which indicates that it has significant measurement error. In order to achieve a simple factor structure solution, this item was excluded from further EFAs. In other words, the final EFA was conducted based on responses⁸ to 10 items of the perceived causes of special education teacher attrition identified in this study.

As shown in Table 20, a three-factor structure was identified that shows evidence of a good fit of a three-factor solution to the data in this study. The three-factor structure is relatively clean with only one complex item, i.e., high caseload has similar factor loadings on factor 1 and factor 2, and all items have salient loadings on their respective factors (factor loadings are in the range of .29 to .85).

⁸ Similar factor structures were achieved by conducting two EFAs based on responses of special education teachers only and those combining administrators and special education teachers. Results from EFA based on responses from both administrators and special education teachers are reported.



		1	2	3	4	5	6	7	8	9	10	11
1.	High Caseload.	1	.199**	.054	.078	.148**	.029	.016	.267**	.122*	.204**	.339**
2.	Lack of Administrative	.199**	1	.259**	.243**	.195**	.077	.136*	.403**	.134*	040	.002
3.	Support. Lack of Positive Collegial	.054	.259**	1	.211**	.291**	.202**	.052	.154**	.065	054	043
4.	Lack of professional development opportunities that relate to the special education position	.078	.243**	.211**	1	.216**	.301**	.098	.165**	.063	.015	.023
5.	Lack of Teacher	.148**	.195**	.291**	.216**	1	.223**	.075	.190**	.083	006	.031
6.	Lack of University Teacher Preparation	.029	.077	.202**	.301**	.223**	1	.048	.121*	.150**	.058	.042
7.	Need for Higher	.016	.136*	.052	.098	.075	.048	1	.013	.114*	.324**	.240***
8	Poor Job Design.	.267**	.403**	.154**	.165**	.190**	.121*	.013	1	.374**	.160**	.205**
9	Role Dissonance.	.122*	.134*	.065	.063	.083	.150**	.114*	.374**	1	.178**	.198**
10	Too Many Meetings.	.204**	040	054	.015	006	.058	.324**	.160**	.178**	1	.607**
11	Too Much Paperwork.	.339**	.002	043	.023	.031	.042	.240**	.205**	.198**	.607**	1

Table 19Correlations Between Administrator and Special Education Teacher/TOSA Perceived Causes of Special Education Teacher Attrition

Note: r = .1, indicates small level; r = .3, indicates medium level; r = .5, indicates large level.



1 able 20	Ta	ble	20
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Explorator	v Factor Anal	lvsis of Re	sponses to	Causes of	f Snecial	Education	Teacher	Attrition Rates
Lapioraior	y 1 <i>u</i> cioi 1111.	i y s is $0$ f $10$	sponses io	Cunses of	speciai	Lancanon	rcucner	min mon maios

		Non-Instructional	Problematic Job	Unsupportive Work
	Cause	Tasks	Design	Environment
1.	High caseload.	0.29		
2.	Lack of administrative		0.49	
	support.			
3.	Lack of positive collegial			0.44
	relationships.			
4.	Lack of professional			0.55
	development opportunities			
	that relate to the special			
	education position.			
5.	Lack of teacher mentor			0.42
	support.			
6.	Lack of university teacher			0.50
	preparation.			
8.	Poor job design of the special		0.80	
	education teacher position.			
9.	Role dissonance.		0.38	
10.	Too many meetings to attend.	0.71		
11.	Too much paperwork.	0.85		
Eige	nvalue (varimax rotation)	1.38	1.19	1.03
% va	riance explained	13.78	11.89	10.34
Cum	ulative variance explained	13.78	25.67	36.01
Cron	bach's coefficient alpha	0.65	0.57	0.56

*Note*. Extraction Method: Principal Axis Factoring. Rotation Method: Varimax. Eigenvalue > 1.

Table 21 details each factor and the perceived causes of special education attrition associated with the grouping. The first factor, non-instructional tasks, collectively explains 13.78% of the total variance. The second factor, problematic job design collectively explains 11.89% of the total variance. The last factor, unsupportive work environment, explains 10.34% of the total variance in the scale.



Factor Title	Included Perceived Causes
Non-Instructional Tasks	High caseload.
	Too much paperwork.
	Too many meetings to attend.
Problematic Job Design	Lack of administrative support.
	Poor job design of the special education
	teacher position.
	Role dissonance.
Unsupportive Work Environment	Lack of positive collegial relationships.
	Lack of professional development
	opportunities that relate to the special
	education position.
	Lack of teacher mentor support.
	Lack of university teacher preparation.

 Table 21

 Perceived Causes of Special Education Teacher Attrition EFA Factors

*Results.* Table 22⁹ presents the differences between the mean ratings of the perceived impact of causes for high special education teacher attrition rates given by administrators and special education teachers respectively. The results of the *t*-Test comparing the ratings of the perceived impact of causes on special education teacher attrition did not support hypothesis one or two. Instead of administrators rating too much paperwork (M = 3.49), as having the greatest perceived impact on teacher attrition, they assigned a higher rating to high caseload (M = 3.66). Special education teachers and TOSAs also assigned a higher rating to the perceived impact of high caseload (M = 3.71) on special education teacher attrition than the impact of lack of administrative support (M = 3.30). Although administrators didn't verify too much paperwork as the most impactful perceived cause of special education teacher attrition, it was the second highest rated cause of attrition identified by administrators.

It should be noted, that although special education teachers didn't verify lack of administrative support as the most impactful cause, they did rate the impact of this cause

⁹ When a Levene's test indicated group variances were not homogeneous, the t value of a Welch's t test was reported.



much higher than administrators did (M = 2.86, SD = 0.64 and M = 3.30, SD = 0.83, for administrators and special education teachers, respectively; t = -4.65, p < .01.).

Interestingly, when comparing the percentage of each perceived cause of special education attrition that was selected as the perceived primary cause of attrition as seen in Table F, administrators most frequently selected too much paperwork (M = 30.30) as the primary perceived cause of special education teacher attrition. On the other hand, special education teachers and TOSAs continued to endorse high caseload (M = 25.62), as well as similarly selecting too much paperwork (24.20%) as the primary perceived cause of attrition. When considering primary selection of the perceived cause of attrition, hypothesis one is supported, whereas hypothesis two continues to be rejected.

**Summary.** In summary, administrators perceived high caseload as having the greatest impact on special education teachers, but selected too much paperwork as the primary perceived cause of attrition. Special education teachers and TOSAs also perceived high caseload as having the greatest impact on special education teacher attrition, while selecting both high caseload and too much paperwork as the primary causes of attrition. Table 23 provides a simplified summary of the findings for question one and the associated hypotheses based on ratings of perceived causes of special education teacher attrition and primary selection of perceived causes.



î	¥		Administra	itor		Special Education Teacher						
					Rank				Rank			
	Cause	n	Μ	SD	Order	n	Μ	SD	Order	t	р	
1.	High caseload.	67	3.66	0.59	1	278	3.71	0.57	1	-0.71	ns	
2.	Lack of administrative support.	64	2.86	0.64	7	280	3.30	0.83	3	-4.65	**	
3.	Lack of positive collegial relationships.	66	2.71	0.84	9	281	2.68	0.87	8	0.27	ns	
4.	Lack of professional development opportunities that relate to the special education position.	67	2.66	0.84	10	281	2.63	0.91	10	0.25	ns	
5.	Lack of teacher mentor support.	66	3.18	0.72	4	282	2.99	0.90	6	1.65	ns	
6.	Lack of university teacher preparation.	66	2.76	0.68	8	281	2.21	0.85	11	5.56	**	
7.	Need for a higher salary.	66	2.30	0.89	11	281	2.65	0.96	9	-2.66	**	
8.	Poor job design of the special education teacher position.	67	2.94	0.76	6	278	3.23	0.86	4	-2.71	**	
9.	Role dissonance.	66	3.32	0.73	3	283	2.93	0.91	7	3.24	**	
10.	Too many meetings to attend.	67	3.01	0.81	5	281	3.09	0.85	5	-0.68	ns	
11.	Too much paperwork.	67	3.49	0.70	2	283	3.55	0.72	2	-0.64	ns	
EFA Factor	Non-instructional tasks.	67	3.25	0.69		283	3.23	0.71		-0.74	ns	
EFA Factor 2	Problematic job design.	67	3.02	0.53		283	3.15	0.65		-1.65	*	
EFA Factor 3.	Unsupportive work environment.	67	2.82	0.49		283	2.63	0.59		2.81	ns	

 Table 22

 Comparison of Administrator and Special Education Teacher Ratings of the Perceived Causes of Special Education Teacher Attrition

Note. *p < .05, **p < .01.



# Table 23Question One Summary

				Percentage of	
		Ratings of		Primary Cause	
	Hypothesis	Causes	Result	Selection	Result
1.	Administrators perceive too much paperwork as the cause that impacts high special education teacher attrition rates to the greatest extent.	Rejected	High caseload	Supported	Too much paperwork
2.	Special education teachers perceive a lack of administrator support as the cause that impacts high special education teacher attrition rates to the greatest extent.	Rejected	High caseload	Rejected	High caseload Too much paperwork



### **Research Question Two**

The second research question that was addressed in this study was: Do administrators and special education teachers identify the same causes of high special education teacher attrition rates? Hypothesis three was: Administrators and special education teachers identify a different primary cause of high special education teacher attrition rates.

### Qualitative Analysis.

*Coding of qualitative responses.* The qualitative codes that were assigned to perceived primary cause qualitative responses included the following:

- 1. Overwhelming Job Responsibilities
- 2. Lack of Personal Success/Fear of Failure
- 3. Lack of Understanding of Special Education
- 4. Lack of Compensation
- 5. Training Does Not Prepare for the Job
- 6. Role Dissonance
- 7. Lack of Resources.

Some qualitative responses received multiple codes, whereas other responses were assigned a singular code.

The code of "overwhelming job responsibilities" included comments related to the impact of the amount of tasks assigned to the special education teacher including instruction of students (teaching and lesson planning), paperwork, meetings, assessment, collaboration, behavior management, supervision of instructional assistants, and building level supervision duties on special education teacher attrition. An example of an administrator response assigned a code of overwhelming job responsibilities code was, "I believe teachers find themselves in meetings and doing paperwork more than they anticipated. They love kids and want to spend time with kids teaching."



The code of "lack of personal success and a fear of failure was assigned to responses indicating that teachers leave the special education profession as a result of a lack of success in their work and/or because they are worried there will be a consequence of not doing something correctly. An example of a special education teacher/TOSA response with this code was, "Due to the many responsibilities of a special teacher this sometimes causes teachers to overreach/overstep their roles leading to a feeling of failure and dissatisfaction."

The code of "lack of understanding of special education" included comments about the impact of a lack of knowledge of administrators and general education colleagues regarding special education services. A special education teacher/TOSA openended response assigned this coding was:

Administration does not understand the job, so they do not understand how to support special education teachers. Do not accept feedback. Ultimately, I don't think school districts want to retain teachers anymore. They want to hire the cheapest teachers possible, especially for special ed.

Responses received the code of "lack of compensation" if the response indicated special education teachers leave the profession as a result of low salaries. An example of an open-ended qualitative response from an administrator that received this code was, "Too much responsibility and not enough pay."

The code of "training does not prepare for the job" was used to describe survey responses that indicated that teacher preparation programs did not adequately prepare the teacher for their position. An administrator open-ended qualitative response that received this coding stated the following, "University training SPED & general ed does not reflect



the pressures & constantly changing demands and expectations in the world of students with ever increasing needs."

"Role dissonance" was a code used to code responses that indicated that special education teachers leave the profession because there was a difference between what the special education teacher job required and what the teacher thought the job would be like. An example of an administrator open-ended qualitative response that was assigned the code of role dissonance was, "People learn the job is not the one they wanted. Often related to paperwork, meeting facilitation, conflicting administrator expectations, need for provision of behavioral support."

The code of "lack of resources" was used to describe responses that indicated that special education teachers leave the profession as a result of limited resources to complete their job. A special education teacher/TOSA open-ended qualitative response assigned this code was, "Students need specially designed instruction in areas of deficit plus support in gened content classes—very challenging to schedule given time and FTE. No identified curriculum, no district support whatsoever, and I have done this 40 years."

All open-ended qualitative responses were coded by whether or not they exhibited an angry tone (all caps, curse words) and if there was a mention of caseload, meetings, and/or paperwork. An example of a qualitative response that was identified as having an angry tone and mentioned meeting requirements and paperwork was:

We spend way SOO much time in meetings and doing required paperwork, that it leaves little time or energy to actually support and teach students. I find I have NO planning time for what I actually teach and NO time to review data appropriately to make data based teaching decisions. I work in a self-contained classroom which got the brunt of the cuts this year. Assistant time was cut to have ZERO planning time, number of assistants was cut and there was NO administrative support based on student need. This was my worst experience teaching special education in the 8 years



I have been teaching. Sad...what it is coming to. (Special Education Teacher, open ended response)

*Qualitative results.* Based on the percentage of each qualitative code that was assigned to the qualitative responses regarding the primary cause of special education teacher attrition by administrators and special education teachers/TOSA in the survey, two sets of rank order of the seven qualitative codes were generated for administrators and special teachers respectively, as shown in Table 24. The impact of overwhelming job responsibilities was most frequently mentioned in the qualitative responses of both administrators (78.43%) and special education teachers and TOSAs (81.78%), with comments related to the impact of role dissonance on special education teacher attrition occurring the second most frequently. Administrator and special education teacher/TOSA comments converged on overwhelming job responsibilities and role dissonance, but with a slightly different percentage distribution between the two groups of participants. The qualitative responses by administrators and special education teachers and TOSAs did not support hypothesis three.

Interestingly, 22.27% of special education teacher/TOSA qualitative responses regarding the primary cause of special education teacher attrition were coded as having an angry tone. Additionally, both administrators (43.14%) and special education teachers and TOSAs (44.53%) frequently mentioned the impact of paperwork on the attrition of special education teachers.



### Table 24

			Administ	rator	Speci	al Educati	tion Teacher	
						Rank		
	Qualitative Cause Code	n	М	Order	n	М	Order	
1.	Lack of Compensation.	2	3.92	3	9	3.64	6	
2.	Lack of Personal Success/Fear of	2	3.92	3	26	10.53	3	
	Failure.							
3.	Lack of Resources.	2	3.92	3	22	8.91	4	
4.	Lack of Understanding of Special	1	1.96	6	19	7.69	5	
	Education.							
5.	Overwhelming Job Responsibilities.	40	78.43	1	202	81.78	1	
6.	Role Dissonance.	15	29.41	2	42	17.00	2	

Comparison of Administrator and Special Education Teacher Qualitative Responses to the Primary Cause of Special Education Teacher Attrition

### Quantitative Analysis.

*Quantitative results.* Based on the percentage of each cause that was selected as the primary cause of special education teacher attrition by administrators and special education teachers/TOSA in the survey, two sets of rank order of the 11 identified causes were generated for administrators and special teachers respectively, as shown in Table 25. Too much paperwork (30.3%) is ranked as the number one primary cause by administrators, whereas high caseload (25.62%) and too much paperwork (24.20%) are ranked similarly on the top by special education teachers and TOSAs. Furthermore, pairwise chi-square tests indicated that there was no significant difference between the percentages of high caseload and too much paperwork as primary cause selections by administrators and special education teachers/TOSA ( $\chi^2$  (1, N = 350) = 1.07, *ns*;  $\chi^2$  (1, N = 347) = 1.05, *ns*). Based on the results of the chi-square test, hypothesis three would not be supported since administrators and special education teacher/TOSAs both identify too much paperwork as a primary cause of special education teacher attrition.

There were similar patterns of primary cause selection between administrators and special education teachers. Their selections converged on too much paperwork and high



caseload but with a slightly different percentage distribution between the two groups of participants. It seems that too much paperwork and high caseload were equally competitive primary causes for special education teachers in terms of primacy. But that is not the case for administrators, whose selections were more dominated by too much paperwork.

Among the top three choices, there were significant percentage differences between administrators and special education teachers' selections of role dissonance (21.21% and 11.03% for administrators and teachers respectively;  $\chi^2$  (1, N = 350) = 4.78, p < .05) and lack of administrative support (3.03% and 14.95% for administrators and special education teachers;  $\chi^2$  (1, N = 350) = 6.93, p < .01). The primacy of role dissonance is recognized more by administrators than special education teachers, whereas the primacy of lack of administrative support is recognized more by special education teachers than administrators.

The differences between the mean ratings of the impacts of the causes for high special education teacher attrition rates given by administrators and special education teachers respectively, shown in Table 22, also do not support hypothesis three: instead of endorsing difference, both administrators and special education teachers perceived high caseload as the most impactful cause to attrition rates (M = 3.66, SD = 0.59 and M = 3.37, SD = 0.57, for administrators and special education teachers, respectively; *t* = -0.71, *p* = *ns*). Furthermore, administrators and special education teachers mutually agreed on the top two causes in terms of their impacts on high special education attrition rates, when reviewing the rank order of the causes based on the mean ratings; high caseload and too much paperwork are equally ranked as the top two causes by the two groups of



participants with mean ratings equal to or greater than 3.50 on a 4-point Likert scale, which conventionally indicate positive endorsement instead of neural attitude (too much paperwork, M = 3.49, SD = 0.70 and M = 3.55, SD = 0.72, for administrators and special education teachers, respectively; t = -0.64, p = ns.). Simply put, both groups rated high caseload as having the perceived greatest impact on special education teacher attrition.

On another note, administrators and special education teachers similarly perceived lack of professional development opportunities that relate to the special education position as a relatively less impactful cause to high special education teacher attrition rates (M = 2.66, SD = 0.84 and M = 2.63, SD = 0.91, for administrators and special education teachers, respectively; t = 0.25, p = ns.).

Interestingly, there were a few significant differences noteworthy between how administrators and special education teachers and TOSAs rated causes of special education teacher attrition. Special education teachers and TOSAs rated the impact of lack of administrative support much higher than administrators did (M = 2.86, SD = 0.64 and M = 3.30, SD = 0.83, for administrators and special education teachers, respectively; t = -4.65, p < .01). By contrast, administrators rated role dissonance¹⁰ as a cause with much higher impact than special education teachers did (M = 3.32, SD = 0.73 and M = 2.93, SD = 0.91, for administrators and special education teachers, respectively; t = 3.24, p < .01). There were also significant differences between how administrators and special education teachers and TOSAs rated the causes of poor job design and a lack teacher mentor support. Administrators identified a lack of teacher mentor support as relatively more impactful and special education teachers/TOSAs identified poor job design as

¹⁰ Role dissonance was defined in the survey as, "Difference between what the job requires and what the teacher thought the job would be like."



relatively more impactful (see Table 21 for details). There were significant differences for the two low impact causes of higher salary and lack of university teacher preparation, which were ranked as two of the bottom three causes by both administrators and special education teachers. Administrators perceived the need for a higher salary as the least important cause, while special education perceived a lack of university teacher preparation as the least important cause (see Table 22).

When comparing the results from the three-factor perspective that were discovered through EFA, administrators and special education teachers and TOSAs similarly rated the impact perceived causes related to non-instructional tasks and unsupportive work environment. On the other hand, there were significant differences with how administrators and special education teachers and TOSAs rated problematic job design. As a result, the EFA partially supports hypothesis three.

**Summary.** In summary, in their qualitative responses, both administrators and special education teachers most often mentioned their perception of the impact of overwhelming job responsibilities on special education teacher attrition. With respect to rating perceived causes of attrition, both administrators and special education teachers and TOSAs rated high caseload as having the greatest impact on attrition and selected too much paperwork as the perceive primary cause of attrition. Table 26 provides a simplified summary of the findings for question two and the associated hypothesis based on qualitative responses, ratings of perceived causes of special education teacher attrition, and primary selection of perceived causes.



Luu												
		A	ldministr	ator	Special Education			Chi-Square Test				
						-						
				Rank			Rank					
	Primary Cause	n	%	Order	n	%	Order	$\chi^2$	df	р		
1.	High caseload.	13	19.70	3	72	25.62	1	1.07	(1/N=350)	ns		
2.	Lack of administrative support.	2	3.03	6	42	14.95	3	6.93	(1/N=350)	**		
3.	Lack of positive collegial	2	3.03	6	9	3.20	6	0.01	(1/N=350)	ns		
	relationships.											
4.	Lack of professional	0	0.00	10	2	0.71	11	0.48	(1/N=350)	ns		
	development opportunities that											
	relate to the special education											
	position.											
5.	Lack of teacher mentor	5	7.58	5	4	1.42	8	7.91	(1/N=350)	**		
	support.								· /			
6.	Lack of university teacher	2	3.03	6	3	1.07	10	1.43	(1/N=350)	ns		
	preparation.											
7.	Need for a higher salary.	0	0.00	10	4	1.42	8	0.96	(1/N=350)	ns		
8.	Poor job design of the special	7	10.61	4	39	13.88	4	0.53	(1/N=350)	ns		
	education teacher position.											
9.	Role dissonance.	14	21.21	2	31	11.03	5	4.78	(1/N=350)	*		
10.	Too many meetings to attend.	1	1.52	9	7	2.49	7	0.23	(1/N=350)	ns		
11.	Too much paperwork.	20	30.30	1	68	24.20	2	1.05	(1/N=347)	ns		

Table 25Comparison of Administrator and Special Education Teacher Identified Primary Cause of SpecialEducation Teacher Attrition

Note. *p < .05, **p < .01.



### Table 26 Question Two Summary

	Hypothesis	Qualitative Responses	Result	Ratings of Causes	Result	Percentage Primary Cause Selection	Result	EFA	Results
3.	Administrators and special education teachers identify a different cause of high special education teacher attrition rates	Rejected	Same: Overwhelming job responsibilities	Rejected	Same cause: High caseload	Rejected	Same cause: Too much paperwork	Partially Supported	Same: Non- instructional tasks, unsupportive work environment
									Different: Problematic job design



## **Research Question Three**

The third research question this study addressed was: What interventions do administrators and special education teachers perceive will increase special education teacher retention rates? Hypothesis four was: Administrators perceive a reduction in paperwork as the intervention that will increase special education teacher retention rates the greatest extent. Hypothesis five was: Special education teachers perceive increased administrator support¹¹ as the intervention that will increase special education teacher retention retention rates to the greatest extent.

### Quantitative Analysis.

# *Exploratory Factor Analyses (EFAs) of perceived interventions.* In a similar vein, as the causes of special education teacher attrition there were medium to high correlations between the number of interventions to increase retention rates of special education teachers (see Table 27). An EFA was conducted to identify the nature of the latent factors underlying responses to the 12-item scale of interventions to increase special education teacher retention rates and combine some of the items based on the factor structure discovered to simplify the analysis.

As shown in Table 28, a three-factor structure was identified based on the responses¹² on the 12-item intervention scale. The item of "increase special education teacher salaries" was excluded for the sake of consistency between causes and interventions of the study interest. The three-factor solution is perfectly clean. All items

¹² Similar factor structures were achieved by conducting two EFAs based on responses of special education teachers only and those combining administrators and special education teachers. Results from EFA based on responses from both administrators and special education teachers are reported.



¹¹ Assisting special education teachers with the inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving (Billingsley, 2003; Westling & Whitten, 1996).

have factor loadings bigger than .41. The first factor includes "increase administrative support;" "increase administrative understanding of special education policies, procedures, and instructional practices;" and "increase general education understanding of special education policies, procedures, and instructional practices." These items represent interventions focused on "knowledge." The second factor includes four items: "increase the length of time spent in teacher preparation programs," "increase professional development opportunities directly related to special education teachers," "increase opportunities to collaborate with general education colleagues," and "increase opportunities to collaborate with special education colleagues." These items represent interventions based on "preparation and support." The third factor includes "lower special education teacher caseloads," "redesign the special education teacher position," "reduce paperwork requirements," and "reduce the number of meetings special education teachers must attend." These items represent interventions based on "job redesign." The difference between factor 2 and factor 3 is meaningful. Factor 3 is about changes normally driven by top-down processes, or a vertical influence in an organizational hierarchy, while factor 2 is about environmental supports and resources normally driven by lateral influences. The three factors explain 16.23%, 13.41%, and 12.85% of the total variance respectively.



Table 27	
Correlations Among all Cause of Special Education	Teacher Attrition

		1	2	3	4	5	6	7	8	9	10	11	12
1.	Increase Administrator Support.	1	.465**	.252**	.049	.156**	.130*	.216**	.089	.023	.032	039	045
2.	Increase Administrator Knowledge	.465**	1	.492**	.126*	.135*	.242**	.272**	.145**	.071	.050	002	.041
	of Special Education.												
3.	Increase General Education	.252**	.492**	1	.198**	.206**	.338**	.256**	.106*	.070	.092	.009	.024
	Knowledge of Special Education.												
4.	Increase Length of Time Spent in	.049	.126*	$.198^{**}$	1	.459**	.215**	$.160^{**}$	.076	089	.053	092	067
	Teacher Prep Programs.												
5.	Increase Professional	.156**	.135*	.206**	.459**	1	.351**	.380**	$.107^{*}$	.023	.000	058	024
	Development Opportunities												
	Related to the Special Education												
	Teacher Position.												
6.	Increase Collaboration with	$.130^{*}$	.242**	.338**	.215**	.351**	1	$.480^{**}$	$.107^{*}$	.052	.080	.079	.073
	General Education Colleagues.												
7.	Increase Collaboration with	.216**	.272**	.256**	$.160^{**}$	.380**	$.480^{**}$	1	.146**	.100	023	014	.008
	Special Education Colleagues.												
8.	Increase Salaries.	.089	.145**	.106*	.076	$.107^{*}$	$.107^{*}$	.146**	1	.238**	.053	.193**	.180**
9.	Lower Caseloads.	.023	.071	.070	089	.023	.052	.100	.238**	1	.203**	.441**	.351**
10.	Redesign the Special Education	.032	.050	.092	.053	.000	.080	023	.053	.203**	1	$.400^{**}$	.240**
	Teacher Position.												
11.	Reduce Paperwork Requirements.	039	002	.009	092	058	.079	014	.193**	.441**	$.400^{**}$	1	.615**
12.	Reduce the Number of Meetings	045	.041	.024	067	024	.073	.008	$.180^{**}$	.351**	.240**	.615**	1
	Required to Attend.												

Note: r = .1, indicates small level; r = .3, indicates medium level; r = .5, indicates large level.


			Preparation and	Job
	Intervention	Knowledge	Support	Redesign
1.	Increase administrative support.			0.51
2.	Increase administrative understanding of			0.85
	special education policies, procedures, and			
	instructional practices.			
3.	Increase general education understanding of			0.51
	special education policies, procedures, and			
	instructional practices.			
4.	Increase the length of time spent in teacher		0.50	
_	preparation programs.			
5.	Increase professional development		0.72	
	opportunities directly related to special			
	education teachers.		0.50	
6.	Increase opportunities to collaborate with		0.56	
-	general education colleagues.		0.51	
7.	Increase opportunities to collaborate with		0.51	
0	special education colleagues.	0.50		
9. 10	Lower special education teacher caseloads.	0.52		
10.	Redesign the special education teacher	0.41		
11	position.	0.02		
11.	Reduce paperwork requirements.	0.92		
12.	advection togehore must attend	0.07		
	education teachers must attend.			
Eiger	value (varimax rotation)	1.79	1.47	1.41
% va	riance explained	16.23	13.41	12.85
Cum	alative variance explained	16.23	29.64	42.48
Cron	bach's coefficient alpha	0.67	0.68	0.70

lable 28	
Exploratory Factor Analysis of Responses to Interventions to Reduce A	High Special Education Teacher
Attrition Rates	

*Note*. Extraction Method: Principal Axis Factoring. Rotation Method: Varimax. Eigenvalue > 1.

Table 29 details each factor and the perceived interventions to increase special

education teacher retention rates associated with the grouping. The first factor,

knowledge, collectively explains 16.25% of the total variance. The second factor,

preparation and support, collectively explains 13.41% of the total variance. The last

factor, job redesign, explains 12.85% of the total variance in the scale.



T.1.1. 20

Factor Title	Included Perceived Interventions
Knowledge	Increase administrative support.
	Increase administrative understanding of special education policies,
	procedures, and instructional practices.
	Increase general education understanding of special education policies,
	procedures, and instructional practices.
Preparation and Support	Increase the length of time spent in teacher preparation programs.
	Increase professional development opportunities directly related to special education teachers.
	Increase opportunities to collaborate with general education colleagues.
	Increase opportunities to collaborate with special education colleagues.
Job Redesign	Lower special education teacher caseloads.
	Redesign the special education teacher position.
	Reduce paperwork requirements.
	Reduce the number of meetings special education teachers must attend.

 Table 29

 Perceived Interventions to Increase Special Education Teacher Retention Rates

*Results.* Table 30 details the difference between the mean ratings of the perceived interventions to increase retention rates of special education teachers. The results of the *t*-Test comparing the ratings of the perceived impact of interventions on special education teacher retention rates did not support hypothesis four or five. Instead, both administrators and special education teachers and TOSAs rated lower the special education teacher caseload (M = 3.52, M = 3.69 respectively) as the perceived intervention to having greatest impact on increasing special education teacher attrition rates. Therefore, when reviewing ratings of interventions to potentially increase retention rates, hypotheses four and five were not supported since neither a reduction of paperwork nor increased administrator support was perceived as the greatest impactful intervention by administrators or special education teachers.

Interestingly, when comparing the percentage of each perceived primary intervention to increase retention rates, as seen in Table 30, administrators and special education teachers and TOSAs continued to identify lower special education teachers' caseloads (M = 3.52, M = 3.69, respectively). When considering primary selection of



interventions perceived to potentially increase special education teacher retention rates, hypotheses four and five continue to be rejected.

**Summary.** In summary, both administrators and special education teachers and TOSAs rated the intervention of lower special education caseloads as having the perceived greatest impact on increasing special education teacher retention rates and they both selected lower special education caseloads as the primary intervention. Table 30 provides a simplified summary of the findings for question three and the associated hypotheses based on ratings of interventions perceived to increase special education teacher retention rates and primary selection of interventions.



#### Table 30

Comparison of Administrator and Special Education Teacher/TOSA Ratings of the Interventions Perceived to Increase Retention Rates of Special Education Teachers

		Administrator Special Education Teacher					t-test	t			
	-				Rank	Rank Rank					
	Intervention	n	М	SD	Order	n	Μ	SD	Order	t	р
1.	Increase administrative	66	3.09	0.63	8	277	3.29	0.71	4	-2.20	*
	support.										
2.	Increase administrative	67	3.12	0.69	7	281	3.25	0.80	6	-1.34	ns
	understanding of special										
	education policies,										
	procedures, and										
_	instructional practices.				_				_		
3.	Increase general	67	3.27	0.75	5	281	3.26	0.78	5	0.12	ns
	education understanding										
	of special education										
	policies, procedures, and										
4	Instructional practices.	66	2 4 2	0.72	12	200	2 20	0.92	12	1.00	*
4.	time grant in teacher	00	2.42	0.72	12	280	2.20	0.85	12	1.98	
	preparation programs										
5	Increase professional	65	2.05	0.82	10	281	2 73	0.84	11	1 08	*
5.	development	05	2.95	0.82	10	201	2.15	0.84	11	1.90	
	opportunities directly										
	related to special										
	education teachers.										
6.	Increase opportunities to	67	3.39	0.70	2	278	2.96	0.85	10	3.84	**
	collaborate with general										
	education colleagues.										
7.	Increase opportunities to	67	3.34	0.83	3	281	3.33	0.74	3	0.15	ns
	collaborate with special										
	education colleagues.										
8.	Increase special education	66	2.79	0.85	11	278	3.05	0.96	9	-2.01	*
	teacher salaries.										



9.	Lower special education teacher caseloads.	67	3.52	0.64	1	281	3.69	0.57	1	-1.94	ns
10.	Redesign the special education teacher position.	67	2.99	0.83	9	279	3.23	0.85	7	-2.19	*
11.	Reduce paperwork requirements.	67	3.30	0.78	4	280	3.54	0.69	2	-2.51	*
12.	Reduce the number of meetings special education teachers must attend.	66	3.15	0.75	6	278	3.14	0.85	8	0.10	ns
EFA Factor 1.	Knowledge.	67	3.24	0.55		282	3.40	0.54		-2.22	ns
EFA Factor 2.	Preparation and support.	67	3.16	0.52		282	3.26	0.60		-1.45	ns
EFA Factor 3.	Job redesign.	67	3.03	0.58		281	2.81	0.57		2.84	ns

Note. **p* < .05, ***p* < .01.



# Table 31Question Three Summary

		Ratings of the Perceived		Percentage of Selected Perceived Primary	
		Impact of Interventions		Intervention to Increase	
	Hypothesis	on Retention Rates	Result	Retention Rates	Result
4.	Administrators perceive a reduction in paperwork as the intervention that will increase special education teacher retention rates the greatest extent.	Rejected	Lower special education teacher caseload.	Rejected	Lower special education teacher caseload.
5.	Special education teachers perceive increased administrator support as the intervention that will increase special education teacher retention rates to the greatest extent.	Rejected	Lower special education teacher caseload.	Rejected	Lower special education teacher caseload.

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## **Research Question Four**

The fourth research question that was addressed in this study was: Do administrators and special education teachers identify the same interventions for reducing high special education teacher attrition rates? Hypothesis six was: Administrators and special education teachers identify a different primary intervention for increasing high special education teacher retention rates.

# Qualitative Analysis.

*Coding of qualitative responses.* The qualitative codes that were assigned to the qualitative responses regarding the perceived primary intervention to increase retention rates of special education teachers included the following:

- 1. Increase Collaboration
- 2. Increase Instruction
- 3. Increase Salary
- 4. Increase Support
- 5. Increase Understanding of Special Education
- 6. Lower Caseloads
- 7. Redesign the Position
- 8. Reduce Non-Instructional Tasks

Some qualitative responses received multiple codes, whereas other responses were assigned a singular code.

The code of "increase collaboration" was assigned to qualitative responses that

indicated that additional collaboration with general education colleagues, special

education colleagues, administrators, and/or mentors would increase the retention of

special education teachers. An example of an administrator response with this code was,

"Learning specialists desire to teach students and collaborate with their general education



peers. When the ability to do this is restricted, learning specialists lose hope and don't believe they are having a positive impact on student learning."

"Increase instruction" was a code used to identify responses that indicated increased time for lesson planning and instruction of students would result in increased retention rates of special education teachers. A special education teacher/TOSA openended qualitative response assigned this code was:

Allowing special education teachers to focus on the instructional aspects of their job, rather than on the redundant paperwork, would provide them with the rewards of teaching (time with children, celebrating successes, helping students grow and learn, sharing their passion, etc.) that influenced their desire to become teachers in the first place.

Responses were assigned the code of "increase salary" if the response indicated that special education teachers would remain in the profession if they received a higher salary. An example of a special education teacher/TOSA open-ended qualitative response with this code was, "To case manage and teach is impossible! They would need to pay me like the manager that I am, if I were to stay in this field."

The code of "increase support" referred to qualitative responses that mentioned an increase in support by administrators, general education colleagues, mentors, teacher preparation programs, and through professional development would increase the retention rates of special education teachers. An administrator open-ended qualitative response with this code was: "Principals and central office administrators who demonstrate their understanding and/or appreciation of the complexities of special education are better able to find ways to support teachers in ways that are meaningful."

The code of "increase understanding of special education" included comments about how an increase in the understanding of the special education teachers' role and



instructional practices for working with students with disabilities by administrators and general education colleagues would increase the retention of special education teachers. One special education teacher/TOSA open-ended qualitative response assigned this code was:

Administrators at the building level do not understand the complexity of special education laws and the effects on special Ed classrooms. Learning Specialists would be more inclined to stay in their positions if administrators would genuinely show more knowledge on special education laws to navigate difficult cases alongside specialists in their roles. Moreover, it is quite interesting how Specialists report to numerous administrators, yet they are reviewed by building administrators who are not trained in special education laws.

"Lower caseloads" was the code assigned to qualitative responses that indicated

that smaller caseloads increase rates of retention. An example of an administrator openended qualitative response with this code was, "Fewer students to case manage would lead to higher quality service, more time for collaboration and having a higher quality family life. SpEd staff families pay a real price for their service."

Responses were assigned the code of "redesign the position" if the response indicated a need to revamp the special education teacher position to retain special education teachers. An example of a special education teacher/TOSA open-ended qualitative response with this code was:

I believe trying to case manage and actually provide the instruction should be two different positions. I could teach a higher number of students, provide progress monitoring and data and write detailed progress notes if I was not trying to do all the case management. I went to school on the east coast and taught there for a while and it was done like this in my school district.

Lastly, the code of "reduce non-instructional tasks" included comments related to a reduction in tasks such as paperwork, meetings, assessment, behavior management, supervision of instructional assistants, and building level supervision. One administrative



open-ended qualitative response assigned this code was, "Less paperwork, fewer meetings, more in-depth teaching."

All open-ended qualitative responses were coded by whether or not they exhibited an angry tone (all caps, curse words) and if there was a mention of caseload, meetings, and/or paperwork.

*Qualitative results.* Based on the percentage of each qualitative code that was assigned to the qualitative responses regarding the primary intervention to increase of special education teacher retention rates by administrators and special education teachers/TOSAs in the survey, two sets of rank order of the 8 qualitative codes were generated for administrators and special teachers respectively. As shown in Table 32, the need to increase instruction (41.03%) was most frequently mentioned by administrators with respect to interventions to increase retention, whereas lower caseloads (28.38%), reduce non-instructional tasks (27.48%), and increase instruction (27.03%) were most frequently identified by special education teachers and TOSAs as interventions to increase special education teacher retention rates. Given the difference between administrator and special education teacher and TOSA responses, hypothesis six is supported.

Interestingly, 19.37% of special education teacher/TOSA responses were identified as having an angry tone to their response. Additionally administrators (23.08%) and special education teachers/TOSAs (30.63%) continued to mention paperwork within their responses related to interventions to increase the retention rates of special education teachers.



Table 32

			Admin	istrator	Special Education Teacher		
	Qualitative Intervention Code	n	М	Rank Order	n	М	Rank Order
1.	Increase Collaboration	10	25.64	2	32	14.41	6
2.	Increase Instruction	16	41.03	1	60	27.03	3
3.	Increase Salary	3	7.69	8	22	9.91	8
4.	Increase Support	5	12.82	5	34	15.32	5
5.	Increase Understanding of Special Education	4	10.26	6	30	13.51	7
6.	Lower Caseloads	6	15.38	4	63	28.38	1
7.	Redesign the Position	7	17.95	3	41	18.47	4
8.	Reduce Non-Instructional Tasks	4	10.26	6	61	27.48	2

Comparison of Administrator and Special Education Teacher Qualitative Responses to the Primary Intervention to Increase Rates of Special Education Teacher Retention

## Quantitative Analysis.

*Quantitative results.* Two sets of rank order of the 12 identified interventions perceived to increase retention rates of special education teachers were generated for administrators and special education teachers based on the percentage of each selected primary intervention. As shown in Table 33, lower special education teachers' caseload was identified as the top choice that would increase special education teacher retention rates for both administrators (21.2%) and special education teachers and TOSAs (26.6%). Furthermore, administrators and special education teachers and TOSAs mutually identified the same top three interventions to increase retention rates. Meanwhile, pairwise Chi-square tests indicated that there was no significant difference between the percentages of the top three interventions that were chosen as the primary intervention option by administrators and special education teachers respectively. Therefore, hypothesis six was not supported.

The differences between the mean ratings of the perceived impact of interventions to increase retention rates given by administrators and special education teachers and TOSAs, as shown in Table 30, identified lower special education teacher caseload as the intervention perceived to possibly have the greatest impact to increase special education



teacher attrition rates for both groups. Nevertheless, there was no significant mean difference between administrators' and special education teachers' and TOSAs' ratings of this intervention's impact to increasing special education teacher retention rates (M = 3.52, SD = 0.64 and M = 3.69, SD = 0.57, for administrators and special education teachers, respectively; t = -1.94, p = ns.).

There were a few significant differences noteworthy between how administrators and special education teachers and TOSAs rated interventions to possibly increase special education teacher attrition rates. There was no significant statistical difference between how administrators and special education teachers and TOSAs rated the interventions of increasing administrative and general education understanding of special education policies, procedures, and instructional practices; increasing opportunities to collaborate with special education colleagues; and reducing the number of meetings special education teachers must attend. There was, however, a statistically significant difference in how administrators and special education teachers and TOSAs rated the interventions of increased administrative support, increased length of time spent in teacher preparation programs, increased professional development opportunities directly related to special education teachers, increased opportunities to collaborate with general education colleagues, increased special education teacher salaries, and reduced paperwork requirements (see Table 30 for details).

Interestingly, for special education teachers, both reduce paperwork requirement and increase administrator support, as well as redesign the special education teacher position were perceived as more important than by administrators. (For reduce paperwork requirement, M = 3.30, SD = 0.78 and M = 3.54, SD = 0.69, for administrators and



special education teachers, respectively; t = -2.51, p < .05. For increased administrator support, M = 3.09, SD = 0.63 and M = 3.29, SD = 0.71, for administrators and special education teachers, respectively; t = -2.20, p < .05. For redesign special education teacher position, M = 2.99, SD = 0.83 and M = 3.23, SD = 0.85, for administrators and special education teachers, respectively; t = -2.19, p < .05.) In summary, when it comes to interventions, special teachers and TOSAs placed higher importance on options related to job redesign than administrators did.

By contrast, for administrators, options related to environmental supports, such as increase opportunities to collaborate with general education colleagues, increase professional development opportunities directly related to special education teachers, and increase the length of time spent in teacher preparation programs, were perceived as more important than by special education teachers and TOSAs. (For increase opportunities to collaborate with general education colleagues, M = 3.39, SD = 0.70 and M = 2.96, SD =0.85, for administrators and special education teachers, respectively; t = 3.84, p < .01. For increase professional development opportunities directly related to special education teachers, M = 2.95, SD = 0.82 and M = 2.73, SD = 0.84, for administrators and special education teachers, respectively; t = 1.98, p < .05. For increase the length of time spent in teacher preparation programs, M = 2.42, SD = 0.72 and M = 2.20, SD = 0.83, for administrators and special education teachers, respectively; t = 1.98, p < .05). Special education teachers tended to value interventions targeting at job redesign, while administrators tended to value interventions targeting at improving environmental supports.



When comparing the results from the three-factor perspective that were discovered through EFA, administrators and special education teachers and TOSAs similarly rated the impact of interventions perceived to increase retention rates related to knowledge, preparation and support, and job redesign.

**Summary.** In summary, in their qualitative responses, administrators most often mentioned the impact of increased instruction for possibly increasing special education teacher retention rates, whereas special education teachers and TOSAs frequently mentioned the impact of lower caseloads. With respect to ratings of interventions and primary selection of interventions to potentially increase retention rates, both administrators and special education teachers and TOSAs rated lower special education caseloads as having the greatest potential impact and most frequently selected it as the primary intervention. Lastly, administrators and special education teachers and TOSAs rated all three EFA factors similarly. Table 34 provides a simplified summary of the findings for question four and the associated hypothesis based on qualitative responses, ratings of perceived causes of special education teacher attrition, and primary selection of perceived causes.



#### Table 33

Comparison of Administrator and Special Education Teacher Identified Primary Intervention to Potentially Increase Retention Rates of Special Education Teachers

		Administrator			Special Education Teacher			Chi-Square Test		
				Rank			Rank			
	Intervention	n	%	Order	n	%	Order	$\chi^2$	df	р
1.	Increase administrative support.	3	4.5	8	24	8.5	4	1.22	(1/N=350)	ns
2.	Increase administrative understanding of special education policies, procedures, and instructional practices.	4	6.1	7	19	6.7	6	0.05	(1/N=350)	ns
3.	Increase general education understanding of special education policies, procedures, and instructional practices.	3	4.5	8	10	3.5	8	1.35	(1/N=350)	ns
4.	Increase the length of time spent in teacher preparation programs.	0	0	12	2	0.7	12	0.48	(1/N=350)	ns
5.	Increase professional development opportunities directly related to special education teachers.	1	1.5	10	7	2.5	9	0.23	(1/N=350)	ns
6.	Increase opportunities to collaborate with general education colleagues.	8	12.1	4	4	1.4	10	18.13	(1/N=350)	* *
7.	Increase opportunities to collaborate with special education colleagues.	5	7.6	5	15	5.3	7	0.47	(1/N=350)	ns
8.	Increase special education teacher salaries.	5	7.6	5	24	8.5	4	0.07	(1/N=350)	ns
9.	Lower special education teacher caseloads.	14	21.2	1	75	26.6	1	0.90	(1/N=350)	ns
10	Redesign the special education teacher position.	11	16.7	2	53	18.8	2	0.19	(1/N=350)	ns
11	Reduce paperwork requirements.	11	16.7	2	45	16	3	0.01	(1/N=350)	ns
12	Reduce the number of meetings special education teachers must attend.	1	1.5	10	4	1.4	10	0.00	(1/N=348)	ns

Note. **p* < .05, ***p* < .01.



# Table 34Question Four Summary

					Percentage			
					Primary			
	Qualitative		Ratings of		Intervention			
Hypothesis	Responses	Result	Interventions	Result	Selection	Result	EFA	Results
6. Administrators	Supported	Admin:	Rejected	Same	Rejected	Same	Rejected	Similar rating
and special		Increase		intervention:		intervention:		of perceived
education teachers		Instruction		Lower		Lower		impact of
identify a		SpEd		special		special		interventions
different primary		Teacher/		education		education		
intervention for		TOSA: Lower		teacher		teacher		
increasing high		caseloads,		caseloads		caseloads		
special education		reduce non-						
teacher retention		instructional						
rates		tasks, and						
		increase						
		instruction.						



# **Summary of Findings**

Based on the analysis of qualitative and quantitative responses, the factors of caseload and paperwork were commonly identified by both administrators and special education teachers and TOSAs as being perceived to influence both attrition and retention rates of special education teachers. Administrators did identify the need for increased instructional time for special education teachers; however, the impacts of caseload and paperwork requirements were overwhelmingly endorsed throughout the data.



#### CHAPTER FIVE

#### DISCUSSION

#### **Structure of Discussion**

This chapter reviews key findings of this study; discusses further analyses that were conducted; details recommendations for special education leaders, school district leaders, and special education teacher preparation programs; describes limitations of the study; and makes recommendations for future research. This chapter also includes an action plan for myself. The discussion is divided into six sections: Summary of Key Findings, Discussion of Additional Analysis, Recommendations, Limitations of the Study, My Action Plan, and Researcher's Summary.

#### **Summary of Key Findings**

This study focused on identifying administrators', special education teachers', and TOSAs' perceptions of the causes of special education teacher attrition and interventions to increase the retention of special education teachers. This study was also designed to determine if there was a difference between administrators', special education teachers', and TOSAs' perceptions of the causes of high attrition rates of special education teachers and interventions to increase rates of retention. What I discovered was administrators, special education teachers, and TOSAs, for the most part, perceive the same causes of attrition and identify the same interventions to increase retention rates: high caseload and too much paperwork.

**Perceived causes of attrition.** When rating the impact of perceived causes of special education teacher attrition, administrators rated high caseloads as the cause that they perceived as having the greatest impact on attrition rates; whereas, they selected too



much paperwork as perceived primary cause of attrition. Special education teachers and TOSAs, on the other hand, rated high caseload as the cause perceived to have the greatest impact on attrition rates and they selected too much paperwork as the perceived primary cause of special education teacher attrition. It is important to note that special education teachers and TOSAs rated too much paperwork as the perceived second most impactful cause of special education teacher attrition.

A review of the ratings of the perceived causes of special education attrition and the factor analysis revealed that non-instructional tasks (caseload, too much paperwork, and too many meetings to attend) have a significant affect on special education teacher attrition. Furthermore, when reviewing qualitative responses by administrators, special education teachers, and TOSAs, there was an overwhelming focus on the impact of overwhelming job responsibilities for special education teachers. The impact of job responsibilities ranged from preventing the special education teacher from having time to instruct students to having no time to collaborate with colleagues.

*Implications.* The results of this study suggest the impact of caseload, paperwork, and the variety of job responsibilities of a special education teacher cannot be ignored when determining ways to retain special education teachers. The findings in this study replicate the results identified throughout special education teacher attrition and retention research¹³. Based on the results of this study, it could be inferred that high caseload and too much paperwork are covariates that influence each other and both perceived causes of

¹³ Billingsley (2004); Carlson, Chen, Schroll, & Klein (2003); Embich (2001); Gehrke & Murri (2006);
Pash & Piotrowaski (2006); Payne (2005); Schnorr (1995); Sindelar, Brownell, & Billingsley (2010);
Stempien & Loeb (2002); and Westling & Whitten (1996).



attrition should be considered when developing plans to reduce the attrition of special education teachers.

**Perceived interventions to increase retention.** Administrators, special education teachers, and TOSAs endorsed the need to lower special education teacher caseloads. In their qualitative responses, administrators more frequently wrote about the perceived need to increase instructional opportunities for special education teachers, whereas, special education teachers and TOSAs continued to highlight the need to lower caseloads. Even though administrators highlighted their perception that increased opportunities to provide instruction to students would have the greatest impact on retention rates, they highlighted the need to reduce job responsibilities in order to increase instructional time. Even though there was a difference between the perceived intervention to increase retention rates by administrators and special education teachers/TOSAs in their qualitative responses, there was still an underlying tone in the administrator responses that a reduction of non-instructional tasks would bring about increased instructional time, thus increasing retention rates.

*Implications.* A reduction in caseload and non-instructional tasks dominated the perceived interventions to increase retention rates. In order to provide special education teachers with more instruction time as administrators have indicated is needed, special education teachers need to have some of their non-instructionally based responsibilities reduced.

**Discussion of key findings.** Perceived causes of attrition and interventions to increase the retention of special education teachers appear to revolve around the same topics: high caseload and non-instructional tasks such as paperwork. High caseload may



cause higher levels of non-instructional tasks, resulting in less time for instruction and other desirable education activities, leading to high rates of attrition by special education teachers. Based on the results of this study, it can be inferred that administrators, special education teachers, and TOSAs believe that if caseloads are reduced (resulting in fewer non-instructional tasks and more professional activities), special education teachers will be more likely to remain in the teaching profession.

When considering the caseload and paperwork responsibilities of special education teachers, school districts often place an emphasis on paperwork completion and compliance. This study highlighted the desire of special education teachers to spend more time instructing students; however, looking deeper into the professional development opportunities for special education teachers may reveal a single focus of IEP compliance. In my experience as a Administrator of Student Services, the majority of professional development opportunities for special education teachers involve calendar activities for meetings and training on how to write compliant IEPs that meet state standards. This emphasis on paperwork compliance may be sending the message that paperwork is more important then implementing high leverage instructional strategies for students with disabilities. This may only increase special education teacher frustration with noninstructional responsibilities.



Figure One Impact of High Caseload on Attrition



Figure Two Impact of Lower Caseload on Retention





## **Discussion of Additional Analysis**

The surveys involved in this study collected a variety of demographic information about the respondents. I decided to complete some additional analyses based on demographic characteristics to determine if there were any trends related to position types.

## Comparison of TOSA and Non-TOSA responses. As a result of sample size

limitation I was unable to compare responses of specific roles of special education teachers (see Appendix F), so I grouped Teachers on Special Assignment (TOSAs) versus all Special Education Teachers to determine if there was a significant difference in how each group:

- rated the impact of identified causes of special education teacher attrition,
- identified the primary cause of special education teacher attrition,
- rated the impact of identified interventions to increase the retention of special education teacher attrition, and
- identified the primary intervention to increase special education teacher retention.

There was only one statistically significant difference between the ratings assigned by TOSAs and Non-TOSAs for the perceived cause of high special education teacher attrition (see Appendix F for details). TOSAs assigned a higher rating to the impact of a lack of university preparation (M = 2.63) than their non-TOSA colleagues (M = 2.17). There was only one statistically significant difference between the ratings assigned by TOSAs and Non-TOSAs for interventions to increase retention rates. TOSAs assigned a higher rating to increased time in university preparation programs (M = 2.58) than their non-TOSA colleagues (M = 2.17).



Two sets of rankings for TOSAs and non-TOSAs respectively were generated on the frequency of each cause chosen as the perceived primary cause and each intervention chosen as the perceived primary intervention. Since the sample size of TOSAs was too small (n = 24), I was unable to complete a statistically significant analysis of identified primary causes of special education teacher attrition and primary interventions to increase special education teacher retention with respect to TOSAs versus non-TOSAs.

*Discussion.* The difference in rating the lack of university preparation could have resulted from the role of the TOSA, who may work as a coach for special teachers, and as a result be more aware of the limitations of their staff. As a result of this knowledge of teacher limitation, the TOSAs may blame the university preparation program for not better preparing the teacher in the specific area of concern because the TOSA has not identified another cause of the teacher's lack of performance.

In my experience, TOSAs often assist new special education teachers with understanding and completing required paperwork. When considering the identified impact of high caseload and paperwork responsibilities on special education teacher attrition, further research should be conducted on how much time special education teachers spend in university preparation programs learning paperwork requirements, use of forms, and organization skills.

**Comparison of district administrator and building administrator responses.** As a result of sample size limitation of administrators (see Appendix G), I combined the number of role groups specified in the original questionnaire into two administrator groups—district administrators versus building administrators—to determine if there was a significant difference in how each group:



- rated the impact of identified causes of special education teacher attrition,
- identified the primary cause of special education teacher attrition,
- rated the impact of identified interventions to increase the retention of special education teacher attrition, and identified the primary intervention to increase special education teacher retention.

It was determined that there was no significant statistical difference between how district administrators and building administrators rated perceived causes of attrition and interventions to increase special education teacher retention rates (see Appendix G for details).

*Discussion*. Although the sample size was limited in scope, it was concluded that district and building level administrators similarly rate the impact of perceived causes of attrition and perceived interventions to increase retention rates. This data would suggest that district level and building level administrators have an equal perception of the impact of various causes and interventions on attrition and retention rates of special education teachers.

Years remaining in the profession. As a result of small sample size (see

Appendix H), I grouped special education teachers and TOSAs who identified themselves as remaining in the profession for three or fewer years versus teachers who identified themselves as remaining in the profession for four or more years to determine if there was a significant difference in how each group:

- rated the impact of identified causes of special education teacher attrition,
- identified the primary cause of special education teacher attrition,
- rated the impact of identified interventions to increase the retention of special education teacher attrition, and
- identified the primary intervention to increase special education teacher retention. Ratings of the perceived impact of causes of teacher attrition resulted in three

statistically significant differences between teachers who identified themselves as



remaining in the profession for three or fewer years versus teachers who identified themselves as remaining in the profession for four or more years (see Appendix H for details). Teachers who identified themselves as remaining in the profession for three or fewer years rated too many meetings (M = 3.34) as having a perceived higher impact on teacher attrition than teachers who identify themselves as remaining in the profession for four or more years (M = 3.04). Teachers who identified themselves as remaining in the profession for four or more years (M = 3.04). Teachers who identified themselves as remaining in the profession for four or more years rated high caseload (M = 3.76) and role dissonance (M = 3.00) as having a perceived higher impact on special education teacher attrition than teachers who identified themselves as remaining the profession for three years or fewer (M = 3.53 and M = 2.69).

Ratings of the perceived potential impact of interventions on retention rates resulted in two statistically significant differences between teachers who identified themselves as remaining in the profession for three or fewer years versus teachers who identified themselves as remaining in the profession for four or more years (see Appendix H). Teachers who identified themselves as remaining in the profession for three or fewer years rated redesigning the special education teacher position (M = 3.54) and reducing the number of meetings the special education teacher has to attend (M = 3.41) as having a perceived higher impact on increasing retention rates than teachers who identified themselves as remaining the profession for four or more years (M = 3.14 and M = 3.07).

*Discussion*. It can be concluded that the amount of meetings required for new special education teachers has an impact on their decision to remain in the position. On the other hand, for more experienced special education teachers, high caseload and role dissonance have a greater impact on attrition. This difference could be attributed to the



fact that experienced special education teachers have come to the understanding that the number of meetings they are required to attend is the direct result of a high caseload and the only way to reduce meetings is to reduce the caseload.

**Economic impact.** A crosstab analysis was completed to determine if administrators have experienced a reduction in special education teacher attrition in their school/district and if the economic downturn has affected special education teachers' decisions to remain in the profession. The analysis revealed that 53.7% of administrators reported that the economic downturn has not resulted in a reduction in teacher attrition rates and 53.8% of special education teachers responded that the economic downturn has not influenced their decision to remain in the special education profession (see Appendix I for more details).

*Discussion.* Based on the review on the results of this study, it could be concluded that the economic downturn has had little overall impact on teacher attrition and a special education teacher's decision to remain in the profession. While difficult economic conditions may result in improved retention rates, it appears that the economic downturn has little impact on attrition and retention rates for special education teachers.

#### Recommendations

**Recommendations for special education leaders**. Special education leaders need to review the caseloads of their special education teachers and all the responsibilities assigned to them by the district and the school. Based on the results of this review, special education leaders should identify ways to reduce caseload and/or minimize non-instructional tasks, such as paperwork. Special education leaders need to compare the general education teacher staffing formula with their special education



staffing formula to determine if there is equitable staffing. As school budgets get tighter, special education teacher caseloads grow because they are not classroom teachers. Based on this study, this additional workload is having a negative affect on special education teachers' desire to remain in the profession, which in the long run will end up costing the district more in the lack of student progress and funds required to train new staff.

In the event that there are not additional financial resources to lower caseloads and reduce non-instructional tasks, special education leaders should review training opportunities to better assist special education teachers with the organization of their responsibilities. Special education leaders should work in conjunction with other district administrators, such as school principals, to determine if there are redundancies in work expectations or if some duties could be reassigned to other staff members. Special education leaders should also consider providing targeted professional development opportunities to special education teachers that directly relate to caseload and organizational difficulties; however, they may also want to make sure that there are equal numbers of IEP compliance trainings and trainings related to instructional practice.

**Recommendations for district leaders.** District leaders need to make an effort to better understand the work of the special education teachers. Observing and interviewing special education teachers regarding their workload may provide some greater insight into the daily responsibilities of the special education teacher. District leaders should complete a comparative analysis of the workload expectations of general education teachers and special education teachers. In my experience as a special education teacher and administrator, I have witnessed that district administrators often focus on the number of students served by the teacher, not the responsibilities assigned to the position. An in-



depth analysis of job responsibilities might reveal that although special education teachers are not teaching in a classroom for a full day, they do have myriad responsibilities that far exceed the instructional day.

**Recommendations for teacher preparation programs.** Teacher preparation programs need to identify ways to support new teachers with managing the various responsibilities of the special education teacher. Program instructors should consider shadowing a variety of special education teachers to identify the range of responsibilities assigned to them. Based on this field study, the teacher preparation program could be designed to specifically address the complexities of the special education position including time management, meeting facilitation, and paperwork management.

#### Limitations of the Study

Limitations to validity, reliability, and objectivity. This study included a small sample size, which could impact the reliability of the study; however, the results of the study were similar to those found by other educational researchers. Another limitation of this study was my limited ability to elicit survey respondents. The respondents in the study were all anonymous and in some cases I had to rely on a district administrator to disseminate the survey because I was unable to obtain a mailing list from school district staff or from the district website. I am not certain that all administrators, special education teachers, and TOSAs in the Portland metro area received the survey. The inability to follow up with participants about their responses and complete a member checking process to clarify responses was another limitation of this study. The survey was anonymous in an effort to increase participation in the study while getting accurate



responses from the participants; however, I was unable to speak with respondents to determine if my conclusions accurately described their responses.

Limitations to trustworthiness of qualitative data. Two individuals, an impartial evaluator and myself, conducted the coding of the qualitative data. If additional raters had been included, an increased number of themes may have been identified and/or the responses may have been coded in a different manner. However, the impartial evaluator and I coded and recoded the responses, finally developing a common coding for the responses.

## **Recommendations for Future Research**

Further research needs to be completed on what the ideal caseload is, the development of a caseload impact rating scale, and what is a reasonable amount of paperwork for a special education teacher. In the qualitative responses there was mention of the need to measure caseloads differently for resource room teachers than for self-contained special education classroom teachers, so further research should be conducted on the impact of caseload on special education teachers who provide small group instruction versus special education teachers who teach a self-contained special education class. In the responses there was also an understanding of the need for paperwork, so research about the amount of paperwork that is reasonable and manageable given the other responsibilities of the special education teacher could help guide district staffing decisions.

More in depth research should be conducted on the impact of a combination of perceived causes of attrition and the implementation of perceived interventions to increase retention rates. The EFAs that were conducted in this study revealed correlations



between factors. Researchers will want to explore whether or not it requires a combination of interventions or the implementation of a single intervention to increase retention rates.

### My Action Plan

The financial reality of schools and special education in particular is not positive. With the recent sequestration of IDEA funds and increased cost of salaries and benefits, there is even less money available to increase staffing in an effort to reduce high caseloads. Even with the current financial state of my department, I am looking for additional opportunities to better support special education teachers. Each summer our department plans to host a summer institute for new and veteran special education teachers who require professional development around classroom management and organizational skills. I am going to continue my commitment to funding a special education mentor to support new and veteran teachers with managing the multitude of responsibilities assigned to them.

I am striving to extend invitations to union leaders, district level leaders, and school board members to provide more insight into the work of the special education teachers in the district. If there is ever going to be an increase in the financial support allocated for special education at the district level, there needs to be a stronger awareness of the needs of the students receiving special education services and the responsibilities of the staff in the department. Finally, it is my plan to work collaboratively with local universities to develop a special education leadership cohort to assist special education teachers and future and current administrators with having a better understanding of



special education policies and procedures at a district level versus just the singular building level.

## **Researcher's Summary**

In summary, this study revealed to me that administrators, special education teachers, and TOSAs all recognize the impact of high caseload and the resulting paperwork and meeting responsibilities on the attrition of special education teachers. This study has shown that if school districts do not focus on the impact of high caseload and high amounts of non-instructional tasks, districts will continue to experience the cycle of special education teacher turnover.



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# APPENDIX A

EMAIL LIST CORRESPONDENCE



Date _____

Dear _____,

Hello! My name is Danielle Sheldrake. I am the Director for Supported Education for the Mountain Park School District and an Education Doctorate candidate at Portland State University. My dissertation is a comparative study of administrator and special education teacher perceptions of special education teacher attrition and retention. I am writing to request an email list of all the administrators and special education teachers in your school district/ESD. This list will be used to distribute two anonymous surveys, one for special education teachers and one for administrators. The results of the surveys will be analyzed to determine if administrators and special education teachers identify similar causes of special education teacher attrition and interventions for increasing the retention of special educators. If you have any questions, please feel free to contact me by phone at (503) 984-4331 or by email at danisheldrake@gmail.com. I appreciate your assistance with my research.

Sincerely,

Danielle Sheldrake Ed.D. Candidate Portland State University (503) 984-4331



# APPENDIX B

# ADMINISTRATOR SURVEY REQUEST EMAIL



Date _____

Dear _____,

Hello! My name is Danielle Sheldrake. I am the Director for Supported Education for the Mountain Park School District and an Education Doctorate candidate at Portland State University. My dissertation is a comparative study of administrator and special education teacher perceptions of special education teacher attrition and retention.

I am writing to request your participation in a survey regarding your perceptions of the causes of special education teacher attrition and interventions for retaining special educators. The survey is anonymous and there is no way to identify the participants. If you are interested in completing the survey, please click on the following link and it will direct you to the survey. The survey should take approximately 10 minutes to complete. The results of the survey will then be compared with a survey completed by teachers to identify similar causes of special educators. Please forward this email to other administrators that you know in Clackamas, Multnomah, and/or Washington counties. The more responses I receive, the more beneficial the implications of the study.

# Survey Link: http://app.zoomerang.com/Home/administrator

# **Below is your Informed Consent for participation in this survey:**

<u>Purpose of the research</u>: To identify causes of special education teacher attrition and interventions to retain special education teachers in the Portland metro area.

<u>What be done with this research</u>: Responses from this study will be used to provide guidance to Portland metro area school districts and ESDs about the causes of special education teacher attrition and the most influential ways to increase special education teacher retention.

<u>Time required</u>: The survey will take approximately 10 minutes to complete.

<u>Benefits</u>: The results of this survey will assist in the identification of ways school districts can better support special education teachers and increase the likelihood they will remain in the profession.

<u>Confidentiality</u>: Your responses will be kept anonymous. When research results are reported, responses will be aggregated (added together) and described in summary. There will be no way to connect individual responses to the respondent.



<u>Participation and Withdrawal</u>: Your participation is completely voluntary, and you may quit at any time without penalty.

<u>To Contact the Researcher</u>: If you have questions or concerns about this research, please contact: Danielle Sheldrake; Phone: (503) 984-4331; Email: danisheldrake@gmail.com.

You may also contact the faculty member supervising this work: Amy Petti, Instructor Graduate School of Education; Portland State University; Phone: (503) 725-3200; Email: petti@pdx.edu.

Whom to contact about your rights in this research, for questions, concerns, suggestions, or complaints that are not being addressed by the researcher, or research-related harm: HRRSC, Research and Strategic Partnerships (RSP), Portland State University, PO Box 751, Portland, OR 97207-0751, (503) 725-4288, hrrsc@lists.pdx.edu.

If you have any questions, please feel free to contact me by phone at (503) 984-4331 or by email at danisheldrake@gmail.com. I appreciate your assistance with my research.

Sincerely,

Danielle Sheldrake Ed.D. Candidate Portland State University (503) 984-4331



# APPENDIX C

# SPECIAL EDUCATION TEACHER/TEACHER ON SPECIAL ASSIGNMENT (TOSA) SURVEY REQUEST EMAIL



Date _____

Dear _____,

Hello! My name is Danielle Sheldrake. I am the Director for Supported Education for the Mountain Park School District and an Education Doctorate candidate at Portland State University. My dissertation is a comparative study of administrator and special education teacher perceptions of special education teacher attrition and retention.

I am writing to request your participation in a survey regarding your perceptions of the causes of special education teacher attrition and interventions for retaining special educators. The survey is anonymous and there is no way to identify the participants. If you are interested in completing the survey, please click on the following link and it will direct you to the survey. The survey should take approximately 10 minutes to complete. The results of the survey will then be compared with a survey completed by administrators to identify similar causes of special educators. Please forward this email to other special education teachers that you know in Clackamas, Multnomah, and/or Washington counties. The more responses I receive, the more beneficial the implications of the study.

# Survey Link: http://app.zoomerang.com/Home/specialeducationteacher

# Below is your Informed Consent for participation in this survey:

<u>Purpose of the research</u>: To identify causes of special education teacher attrition and interventions to retain special education teachers in the Portland metro area.

<u>What be done with this research</u>: Responses from this study will be used to provide guidance to Portland metro area school districts and ESDs about the causes of special education teacher attrition and the most influential ways to increase special education teacher retention.

<u>Time required</u>: The survey will take approximately 10 minutes to complete.

<u>Benefits</u>: The results of this survey will assist in the identification of ways school districts can better support special education teachers and increase the likelihood they will remain in the profession.

<u>Confidentiality</u>: Your responses will be kept anonymous. When research results are reported, responses will be aggregated (added together) and described in summary. There will be no way to connect individual responses to the respondent.



<u>Participation and Withdrawal</u>: Your participation is completely voluntary, and you may quit at any time without penalty.

<u>To Contact the Researcher</u>: If you have questions or concerns about this research, please contact: Danielle Sheldrake; Phone: (503) 984-4331; Email: danisheldrake@gmail.com.

You may also contact the faculty member supervising this work: Amy Petti, Instructor Graduate School of Education; Portland State University; Phone: (503) 725-3200; Email: petti@pdx.edu.

Whom to contact about your rights in this research, for questions, concerns, suggestions, or complaints that are not being addressed by the researcher, or research-related harm: HRRSC, Research and Strategic Partnerships (RSP), Portland State University, PO Box 751, Portland, OR 97207-0751, (503) 725-4288, hrrsc@lists.pdx.edu.

If you have any questions please feel free to contact me by phone at (503) 984-4331 or by email at danisheldrake@gmail.com. I appreciate your assistance with my research.

Sincerely,

Danielle Sheldrake Ed.D. Candidate Portland State University (503) 984-4331



# APPENDIX D

# ADMINISTRATOR SURVEY





# Administrator Survey¹⁴

# Page 1 - Heading Introduction: Informed Consent

Welcome to My Survey! Please read the below Informed Consent for this survey.

Purpose of the research: To identify causes of special education teacher attrition and interventions to retain special education teachers in the Portland metro area.

What will be done with this research: Responses from this study will be used to provide guidance to Portland metro area school districts and ESDs about the causes of special education teacher attrition and the most influential ways to increase special education teacher retention.

Time required: The survey will take approximately 10 minutes to complete.

Benefits: The results of this survey will assist in the identification of ways school districts can better support special education teachers and increase the likelihood they will remain in the profession.

Confidentiality: Your responses will be kept anonymous. When research results are reported, responses will be aggregated (added together) and described in summary. There will be no way to connect individual responses to the respondent.

Participation and Withdrawal: Your participation is completely voluntary, and you may quit at any time without penalty.

To Contact the Researcher: If you have questions or concerns about this research, please contact: Danielle Sheldrake; Phone: (503) 984-4331; Email: danisheldrake@gmail.com.

You may also contact the faculty member supervising this work: Amy Petti, Instructor Graduate School of Education; Portland State University; Phone: (503) 725-3200; Email: petti@pdx.edu.

Whom to contact about your rights in this research, for questions, concerns, suggestions, or complaints that are not being addressed by the researcher, or research-related harm: HRRSC, Research and Strategic Partnerships (RSP), Portland State University, PO Box 751, Portland, OR 97207-0751, (503) 725-4288, hrrsc@lists.pdx.edu. If you have any questions, please feel free to contact me by phone at (503) 984-4331 or by email at danisheldrake@gmail.com. I appreciate your assistance with my research.

¹⁴ Appendix D survey created by Danielle Sheldrake.



Sincerely,

Danielle Sheldrake Ed.D. Candidate Portland State University (503) 984-4331

Please print or save a copy of this page for your records.



#### Administrator Survey

Page 2 - Heading

Demographic Information

Page 2 – Question 1 - Choice - One Answer (Bullets)

By marking that you agree to participate in the survey, you are attesting that you have read and understand the informed consent and freely agree to participate in this survey.

- I agree to participate.
- I do not agree to participate.

#### Page 2 - Question 2 - Choice - One Answer (Bullets)

What type of educational organization do you work for?

- School District
- Educational Service District (ESD)

Page 2 - Question 3 - Choice - Multiple Answers (Bullets)

What is your administrative role? Select all that apply.

- □ Superintendent
- □ Assistant Superintendent
- □ Director of Curriculum
- Director /Coordinator of Special Education
- □ Assistant Director/Coordinator of Special Education
- Director of Federal Programs
- Director of Human Resources
- □ Assistant Director of Human Resources
- Building Principal
- Building Assistant Principal
- Other Administrator

Page 2 - Question 4 - Choice - Multiple Answers (Bullets)

What level administrator are you? Select all that apply.

- □ Elementary Level (Kindergarten-5th grade)
- □ Middle School Level (6th grade-8th grade)
- □ High School Level (9th grade-Post High School)
- District Level



#### Page 2 - Question 5 - Choice - One Answer (Bullets)

Select the county where your school district/ESD is located:

- Clackamas
- Multnomah
- Washington

#### Page 2 - Question 6 - Choice - One Answer (Bullets)

How many years have you been an administrator?

- 1 year
- 2 years
- 3 years
- 4 years
- 5-9 years
- $\bigcirc$  10 or more years

Page 2 - Question 7 - Choice - One Answer (Bullets)

Have you ever worked as a special education teacher?

YesNo

Page 2 - Question 8 - Choice - One Answer (Bullets)Did you complete your administrator preparation program in Oregon?

O Yes

O No

Page 2 - Question - Choice - One Answer (Bullets)

How many courses have you taken on the policies, practices, and education of students with disabilities?

- $\bigcirc$  1 course
- 2 courses
- $\bigcirc$  3 or more courses



Page 2 - Heading

# Perceptions of Why Special Education Teachers Leave the Profession

#### Page 2 - Question 10 - Rating Scale - Matrix

Please rate whether the following identified causes of special education attrition influence special education teacher attrition rates to a great extent, somewhat, very little, or not at all.

	Great Extent	Somewhat	Very Little	Not At All
High caseload.				
Lack of administrative				
support: inclusion of				
students with disabilities in				
the general education				
setting, improving the				
special education				
program/service delivery,				
and problem solving.				
Lack of positive collegial				
relationships.				
Lack of professional				
development opportunities				
that relate to the special				
education position.				
Lack of teacher mentor				
support.				
Lack of university teacher				
preparation.				
Need for a higher salary.				
Poor job design of the				
special education teacher				
position.				
Role dissonance:				
Difference between what				
the job requires and what				
the teacher thought the job				
would be like.				
Too many meetings to				



attend.		
Too much paperwork.		

#### Page 2 - Question 11 - Choice - One Answer (Bullets)

Given all the identified causes of special education attrition, what would you identify as the number one cause of high special education teacher attrition rates?

- High caseload.
- Lack of administrative support: inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving.
- Lack of positive collegial relationships.
- Lack of professional development opportunities that relate to the special education position.
- Lack of teacher mentor support.
- Lack of university teacher preparation.
- $\bigcirc$  Need for a higher salary.
- Poor job design of the special education teacher position.
- Role dissonance: Difference between what the job requires and what the teacher thought the job would be like.
- Too many meetings to attend.
- Too much paperwork.

#### Page 2 - Question 14 - Open Ended - Comments Box

Why do you think this cause has a significant impact on special education teacher attrition rates?



Page 2 - Heading

# Perceptions of How to Retain Special Education Teachers

#### Page 2 - Question 15 - Rating Scale - Matrix

Please rate whether the following identified interventions would increase special education retention rates to a great extent, somewhat, very little, or not at all.

	Great	Somewhat	Very Little	Not At All
	Extent			
Increase administrator support:				
inclusion of students with				
disabilities in the general				
disabilities in the general				
the gracial education				
the special education				
program/service delivery, and				
problem solving.				
Increase administrative				
understanding of special				
education policies, procedures,				
and instructional practices.				
Increase general education				
understanding of special				
education policies, procedures,				
and instructional practices.				
Increase opportunities to				
collaborate with colleagues.				
Increase professional				
development opportunities				
directly related to special				
education teachers.				
Increase special education				
teacher salaries.				
Increase the length of time				
spent in teacher preparation				
programs.				
Increase the level of teacher				
mentor support.				
Lower special education				
teacher caseloads.				



Redesign the special education		
teacher position.		

Page 2 - Question 16 - Choice - One Answer (Bullets)

Given all the interventions to increase the retention of special education teachers, what would you identify as the number one intervention to retain special education teachers?

- Increase administrator support: inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving.
- Increase administrative understanding of special education policies, procedures, and instructional practices.
- Increase general education understanding of special education policies, procedures, and instructional practices.
- Increase the length of time spent in teacher preparation programs.
- Increase professional development opportunities directly related to special education teachers.
- Increase opportunities to collaborate with general education colleagues.
- Increase opportunities to collaborate with special education colleagues.
- Increase special education teacher salaries.
- Lower special education teacher caseloads.
- Redesign the special education teacher position.
- Reduce paperwork requirements.
- Reduce the number of meetings special education must attend.

Page 2 - Question 17 - Open Ended - Comments Box

Why do you think this intervention would reduce high special education teacher attrition rates?

Page 2 - Heading

**Economic Impact** 

Page 2 - Question 18 - Choice - One Answer (Bullets)

Since the start of the current economic downturn facing Oregon school districts, have you experienced a reduction in special education teacher attrition in your school/district?



YesNo

Administrator Survey

Page 3 Thank You Page

Thank you for participating in this survey!



## APPENDIX E

# SPECIAL EDUCATION TEACHER/SPECIAL EDUCATION TEACHER ON SPECIAL ASSIGNMENT (TOSA) SURVEY



# \overline zoomerang[.]

# Special Education Teacher/Special Education Teacher on Special Assignment (TOSA) Survey¹⁵

Page 1 - Heading Introduction: Informed Consent

Welcome to My Survey! Please read the below Informed Consent for this survey.

Purpose of the research: To identify causes of special education teacher attrition and interventions to retain special education teachers in the Portland metro area.

What will be done with this research: Responses from this study will be used to provide guidance to Portland metro area school districts and ESDs about the causes of special education teacher attrition and the most influential ways to increase special education teacher retention.

Time required: The survey will take approximately 10 minutes to complete.

Benefits: The results of this survey will assist in the identification of ways school districts can better support special education teachers and increase the likelihood they will remain in the profession.

Confidentiality: Your responses will be kept anonymous. When research results are reported, responses will be aggregated (added together) and described in summary. There will be no way to connect individual responses to the respondent.

Participation and Withdrawal: Your participation is completely voluntary, and you may quit at any time without penalty.

To Contact the Researcher: If you have questions or concerns about this research, please contact: Danielle Sheldrake; Phone: (503) 984-4331; Email: danisheldrake@gmail.com.

You may also contact the faculty member supervising this work: Amy Petti, Instructor Graduate School of Education; Portland State University; Phone: (503) 725-3200; Email: petti@pdx.edu.

Whom to contact about your rights in this research, for questions, concerns, suggestions, or complaints that are not being addressed by the researcher, or research-related harm: HRRSC, Research and Strategic Partnerships (RSP), Portland State University, PO Box 751, Portland, OR 97207-0751, (503) 725-4288, hrrsc@lists.pdx.edu.

¹⁵ Appendix E survey created by Danielle Sheldrake.



If you have any questions, please feel free to contact me by phone at (503) 984-4331 or by email at danisheldrake@gmail.com. I appreciate your assistance with my research.

Sincerely, Danielle Sheldrake Ed.D. Candidate Portland State University (503) 984-4331

Please print or save a copy of this page for your records.



Special Education Teacher/Special Education Teacher on Special Assignment (TOSA) Survey

Page 2 - Heading

Demographic Information

Page 2 – Question 1 - Choice - One Answer (Bullets)

By marking that you agree to participate in the survey, you are attesting that you have read and understand the informed consent and freely agree to participate in this survey.

- I agree to participate.
- I do not agree to participate.

Page 2 Question 2 - Choice - One Answer (Bullets)

What type of educational organization do you work for?

- School District
- Educational Service District (ESD)

Page 2 - Question 3 - Choice - One Answer (Bullets)

What education level do you case manage/teach/support? Select all that apply.

- Elementary Level (Kindergarten-5th grade)
- Middle School Level (6th grade-8th grade)
- High School Level (9th grade-Post High School)
- District Level

Page 2 - Question 4 - Choice - One Answer (Bullets)

In your role you:

- Only case manage IEP paperwork.
- Only instruct students with disabilities.
- Case manage and teach students with disabilities.
- A Special Education Teacher on Special Assignment (TOSA).

Page 2 - Question 5 - Choice - One Answer (Bullets)

Select the county where your school district/ESD is located:

- Clackamas
- Multnomah



○ Washington

Page 2 - Question 6 - Choice - One Answer (Bullets)

Do you currently possess a teaching license with a special education endorsement?

O Yes

O No

Page 2 - Question 7 - Choice - One Answer (Bullets)

How many years have you been a special education teacher?

- 1 year
- 2 years
- 3 years
- 4 years
- 5-9 years
- $\bigcirc$  10 or more years

#### Page 2 - Question 8 - Choice - One Answer (Bullets)

What was the length of your special education teacher preparation program?

- 1 year
- 2 years
- $\bigcirc$  3 or more years

Page 2 - Question 9 - Choice - One Answer (Bullets)

Did you complete your special education teacher preparation program in Oregon?

- Yes
- O No

Page 2 - Question 10 - Choice - One Answer (Bullets)

How many more years do you see yourself remaining as a special education teacher?

- O 1 year
- 2 years
- 3 years
- 4 years
- 5-9 years



 $\bigcirc$  10 or more years

Page 2 - Question 11 - Choice - One Answer (Bullets)

Has the current economic downturn facing Oregon school districts impacted your decision to remain in the special education field?

YesNo

Page 2 - Heading

Perceptions of Why Special Education Teachers Leave the Profession

#### Page 2 - Question 12 - Rating Scale - Matrix

Please rate whether the following identified causes of special education attrition influence special education teacher attrition rates to a great extent, somewhat, very little, or not at all.

	Great	Somewhat	Very Little	Not At All
	Extent			
High caseload.				
Lack of administrative support: inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving.				
Lack of positive collegial relationships.				
Lack of professional development opportunities that relate to the special education position.				
Lack of teacher mentor support.				
Lack of university teacher preparation.				
Need for a higher salary.				
Poor job design of the				



special education teacher		
position.		
Role dissonance:		
Difference between what		
the job requires and what		
the teacher thought the job		
would be like.		
Too many meetings to		
attend.		
Too much paperwork.		

# Page 2 - Question 13 - Choice - One Answer (Bullets)

Given all the identified causes of special education attrition, what would you identify as the number one cause of high special education teacher attrition rates?

- High caseload.
- Lack of administrative support: inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving.
- Lack of positive collegial relationships.
- Lack of professional development opportunities that relate to the special education position.
- Lack of teacher mentor support.
- Lack of university teacher preparation.
- $\bigcirc$  Need for a higher salary.
- Poor job design of the special education teacher position.
- Role dissonance: Difference between what the job requires and what the teacher thought the job would be like.
- Too many meetings to attend.
- Too much paperwork.

Page 2 - Question 14 - Open Ended - Comments Box

Why do you think this cause has a significant impact on special education teacher attrition rates?



Page 2 - Heading

# Perceptions of How to Retain Special Education Teachers

#### Page 2 - Question 15 - Rating Scale - Matrix

Please rate whether the following identified interventions will reduce special education attrition rates to a great extent, somewhat, very little, or not at all.

	Great	Somewhat	Very Little	Not At All
	Extent			
Increase administrator support:				
inclusion of students with				
disabilities in the general				
education setting, improving				
the special education				
program/service delivery, and				
problem solving.				
Increase administrative				
understanding of special				
education policies, procedures,				
and instructional practices.				
understanding of special				
education policies procedures				
and instructional practices.				
Increase opportunities to				
collaborate with colleagues.				
Increase professional				
development opportunities				
directly related to special				
education teachers.				
Increase special education				
teacher salaries.				
Increase the length of time				
spent in teacher preparation				
programs.				
Increase the level of teacher				
mentor support.				
Lower special education				
teacher caseloads.				



Redesign the special education		
teacher position.		
Reduce the number of		
meetings special education		
teachers must attend.		
Reduce paperwork.		

Page 2 - Question 16 - Choice - One Answer (Bullets)

Given all the interventions to increase the retention of special education teachers, what would you identify as the number one intervention to reduce high special education teacher attrition rates?

- Increase administrator support: inclusion of students with disabilities in the general education setting, improving the special education program/service delivery, and problem solving.
- Increase administrative understanding of special education policies, procedures, and instructional practices.
- Increase general education understanding of special education policies, procedures, and instructional practices.
- Increase the length of time spent in teacher preparation programs.
- Increase professional development opportunities directly related to special education teachers.
- Increase opportunities to collaborate with general education colleagues.
- Increase opportunities to collaborate with special education colleagues.
- Increase special education teacher salaries.
- Lower special education teacher caseloads.
- Redesign the special education teacher position.
- Reduce paperwork requirements.
- Reduce the number of meetings special education must attend.

#### Page 2 - Question 17 - Open Ended - Comments Box

Why do you think this intervention would reduce high special education teacher attrition rates?

Page 3 Thank You Page

Thank you for participating in this survey!



# APPENDIX F

# COMPARISON OF TOSA AND NON-TOSA DATA TABLES



Special Education Teacher Sample Size		
Role	Frequency	
Special Education Teacher on Special	24	
Assignment (TOSA).		
Case manages and teaches student with	250	
disabilities.		
Only instruct students with disabilities.	4	
Only case manages IEP paperwork.	3	

 Table 35

 Special Education Teacher Sample S

# Table 36TOSA Versus Non-TOSA Ratings of the Causes of Special Education Teacher Attrition

		*	TOSA			Non-TOSA		t-te	est
	Cause	n	М	SD	n	М	SD	t	р
1.	High caseload.	24	3.71	0.55	252	3.71	0.58	0.16	ns
2.	Lack of administrative support.	24	3.17	0.82	254	3.31	0.83	0.79	ns
3.	Lack of positive collegial relationships.	24	2.79	0.72	255	2.67	0.88	-0.63	ns
4.	Lack of professional development	24	2.58	0.88	255	2.63	0.91	0.23	ns
	education position.								
5.	Lack of teacher mentor support.	24	3.17	0.70	256	2.96	0.91	-1.05	ns
6.	Lack of university teacher preparation.	24	2.63	0.88	255	2.17	0.84	-2.52	*
7.	Need for a higher salary.	24	2.83	0.87	255	2.64	0.97	-0.96	ns
8.	Poor job design of the special education teacher position	24	3.13	0.95	252	3.24	0.85	0.62	ns
9.	Role dissonance.	24	3.21	0.72	257	2.90	0.92	-1.58	ns
10.	Too many meetings to attend.	24	2.88	0.80	255	3.11	0.86	1.32	ns
11.	Too much paperwork.	24	3.58	0.50	257	3.55	0.74	-0.20	ns

Note. **p* < .05, ** *p* < .01



# APPENDIX G

# COMPARISON OF DISTRICT ADMINISTRATOR AND BUILDING ADMINISTRATOR DATA TABLES



Tabl	le 37	7
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Administrator Sample Size

Hammish alor Sample Size	
Role	Frequency
Building Assistant Principal	9
Building Principal	28
Director of Federal Programs	1
Assistant Director/Coordinator of Special	6
Education	
Director/Coordinator of Special Education	14
Director of Curriculum	1
Superintendent	2
Other Administrator	4

Table 38

District Administrator Versus Building Administrator Ratings of the Perceived Causes of Special Education Teacher Attrition

		District Administrators			Building Administrators			t-test	
	Cause	n	М	SD	n	М	SD	t	р
1.	High caseload.	24	3.71	0.46	37	3.68	0.53	0.25	ns
2.	Lack of administrative support.	23	2.91	0.79	36	2.78	0.48	0.82	ns
3.	Lack of positive collegial relationships.	24	2.46	0.83	36	2.83	0.85	-1.69	ns
4.	Lack of professional development	24	2.63	0.82	37	2.65	0.82	-0.11	ns
	opportunities that relate to the special								
	education position.								
5.	Lack of teacher mentor support.	24	3.17	0.76	37	3.14	0.71	0.16	ns
6.	Lack of university teacher preparation.	24	2.88	0.54	37	2.68	0.78	1.09	ns
7.	Need for a higher salary.	24	2.46	0.88	36	2.17	0.88	1.26	ns
8.	Poor job design of the special education	24	2.83	0.56	37	3.03	0.80	-1.03	ns
	teacher position.								
9.	Role dissonance.	24	3.38	0.71	37	3.24	0.72	0.70	ns
10.	Too many meetings to attend.	24	3.08	0.78	37	2.95	0.78	0.67	ns
11.	Too much paperwork.	24	3.54	0.66	37	3.51	0.65	0.16	ns

Note. **p* < .05, ***p* < .01



Table 39
District Administrators Versus Building Administrators Ratings of the Interventions Perceived to Increase Retention Rates of Special Education
Teachers

		District Administrators			Building Administrators			t-test	
	Intervention	n	М	SD	n	М	SD	t	р
1.	Increase administrator support.	24	3.13	0.68	37	3.08	0.60	0.27	ns
2.	Increase Administrator Knowledge of	24	3.13	0.74	37	3.08	0.64	0.25	ns
	Special Education.								
3.	Increase General Education	24	3.29	0.75	37	3.27	0.77	0.11	ns
	Knowledge of Special Education.								
4.	Increase the length of time spent in	24	2.38	0.77	37	2.44	0.73	-0.35	ns
	teacher preparation programs.								
5.	Increase professional development	24	2.79	0.72	36	3.00	0.86	-0.98	ns
	opportunities directly related to								
	special education teachers.								
6.	Increase opportunities to collaborate	24	3.42	0.65	37	3.38	0.64	0.23	ns
	with general education colleagues.								
7.	Increase opportunities to collaborate	24	3.42	0.65	37	3.35	0.86	0.32	ns
	with special education colleagues.								
8.	Increase special education teacher	24	2.92	0.83	37	2.70	0.85	0.97	ns
	salaries.								
9.	Lower special education teacher	24	3.63	0.58	37	3.46	0.65	1.02	ns
	caseloads.								
10.	Redesign the special education	24	2.92	0.72	37	3.03	0.83	-0.53	ns
	teacher position.								
11.	Reduce paperwork requirements.	24	3.33	0.70	37	3.30	0.78	0.18	ns
12.	Reduce the number of meetings	24	3.08	0.78	36	3.19	0.67	-0.59	ns
	special education teachers must								
	attend.								

Note. **p* < .05, ***p* < .01


### APPENDIX H

## COMPARISON OF YEARS REMAINING IN THE PROFESSION DATA TABLE



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Years Remaining in the Special Education Teacher Projession Sample Size					
Number of Years	Frequency				
10 or More Years	114				
5-9 Years	74				
4 Years	26				
3 Years	14				
2 Years	18				
1 Year	17				
0 Years	12				

 Table 40

 Years Remaining in the Special Education Teacher Profession Sample Size

### Table 41

Three or Fewer Years Remaining Versus Four or More Years Remaining in the Profession Ratings of the Perceived Causes of Special Education Teacher Attrition

		Three or Fewer Years			Four or More Years			t-test	
	Cause	n	М	SD	n	М	SD	t	р
1.	High caseload.	58	3.53	0.71	212	3.76	0.53	-2.66	**
2.	Lack of	59	3.29	0.83	213	3.28	0.84	0.09	ns
	administrative support.								
3.	Lack of positive	60	2.63	0.92	213	2.69	0.85	-0.49	ns
	collegial relationships								
4.	Lack of professional	60	2.70	0.96	214	2.60	0.90	0.73	ns
	development								
	opportunities that								
	relate to the special								
-	education position.	(0)	2 0 7	0.07	014	• • • •	0.01	0.02	
5.	Lack of teacher mentor support.	60	2.97	0.86	214	2.96	0.91	0.03	ns
6.	Lack of university	60	2.30	0.87	214	2.18	0.84	0.95	ns
_	teacher preparation.	<i>c</i> <b>1</b>	~	0.04			0.07	1.04	
7.	Need for a higher salary.	61	2.44	0.94	212	2.70	0.96	-1.84	ns
8.	Poor job design of	60	3.33	0.93	211	3.19	0.84	1.14	ns
	the special education								
0	teacher position.	(1	2 (0	0.00	214	2 00	0.00	2 20	-1-
9.	Role dissonance.	01	2.69	0.90	214	3.00	0.90	-2.39	*
10.	to attend.	61	3.34	0.83	213	3.04	0.85	2.49	**
11.	Too much	61	3.66	0.70	214	3.53	0.73	1.22	ns
	paperwork.								

Note. **p* < .05, ***p* < .01



#### Table 42

Three or Fewer Years Remaining Versus Four or More Years Remaining in the Profession Ratings of the Interventions Perceived to Increase Retention Rates of Special Education Teachers

		Thi	ree or Fewer Yea	irs	Four	or More Ye	ears	t-1	est
	Intervention	n	М	Item	Cause	n	М	Item	Cause
1.	Increase administrator support.	60	3.27	0.69	209	3.28	0.72	-0.15	ns
2.	Increase Administrator Knowledge of	61	3.21	0.84	212	3.25	0.80	-0.31	ns
	Special Education.								
3.	Increase General Education Knowledge	61	3.18	0.85	212	3.26	0.77	-0.73	ns
	of Special Education.								
4.	Increase the length of time spent in	61	2.23	0.86	211	2.18	0.82	0.37	ns
	teacher preparation programs.								
5.	Increase professional development	61	2.70	0.92	212	2.71	0.82	-0.06	ns
	opportunities directly related to special								
	education teachers.								
6.	Increase opportunities to collaborate with	59	3.05	0.86	211	2.93	0.84	0.98	ns
	general education colleagues.								
7.	Increase opportunities to collaborate with	61	3.34	0.68	212	3.31	0.76	0.31	ns
	special education colleagues.								
8.	Increase special education teacher	60	2.92	0.98	210	3.08	0.96	-1.13	ns
	salaries.								
9.	Lower special education teacher	61	3.64	0.68	212	3.71	0.53	-0.82	ns
	caseloads.								
10.	Redesign the special education teacher	61	3.54	0.67	210	3.14	0.89	3.25	**
	position.								
11.	Reduce paperwork requirements.	60	3.62	0.69	212	3.53	0.68	0.89	ns
12.	Reduce the number of meetings special	61	3.41	0.82	210	3.07	0.85	2.79	**
	education teachers must attend.								

Note. **p* < .05, ***p* < .01



## APPENDIX I

# ECONOMIC IMPACT DATA TABLES



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Table 43Administrator Perceptions of the Impact of the Economic Downturn onSpecial Education Teacher Attrition Rates

No	%	Y	%
36	53.7	31	46.3

Table 44

Impact of the Economic Downturn on Special Education Teachers' Decisions to Remain in the Profession

Decisions to Remain in the Projession					
No	%	Y	%		
149	53.8	128	46.2		



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