

Exploring the Relationship between Connectedness and Language Acquisition for Middle School English Language Learners

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Purpose Statement



The purpose of the current study was to examine the relationship between middle-school English Language Learners' (ELLs) level of language acquisition and their sense of connectedness in order to recommend strategies for educators to help ELLs discover their place in the social and educational culture surrounding them at school.



Introduction



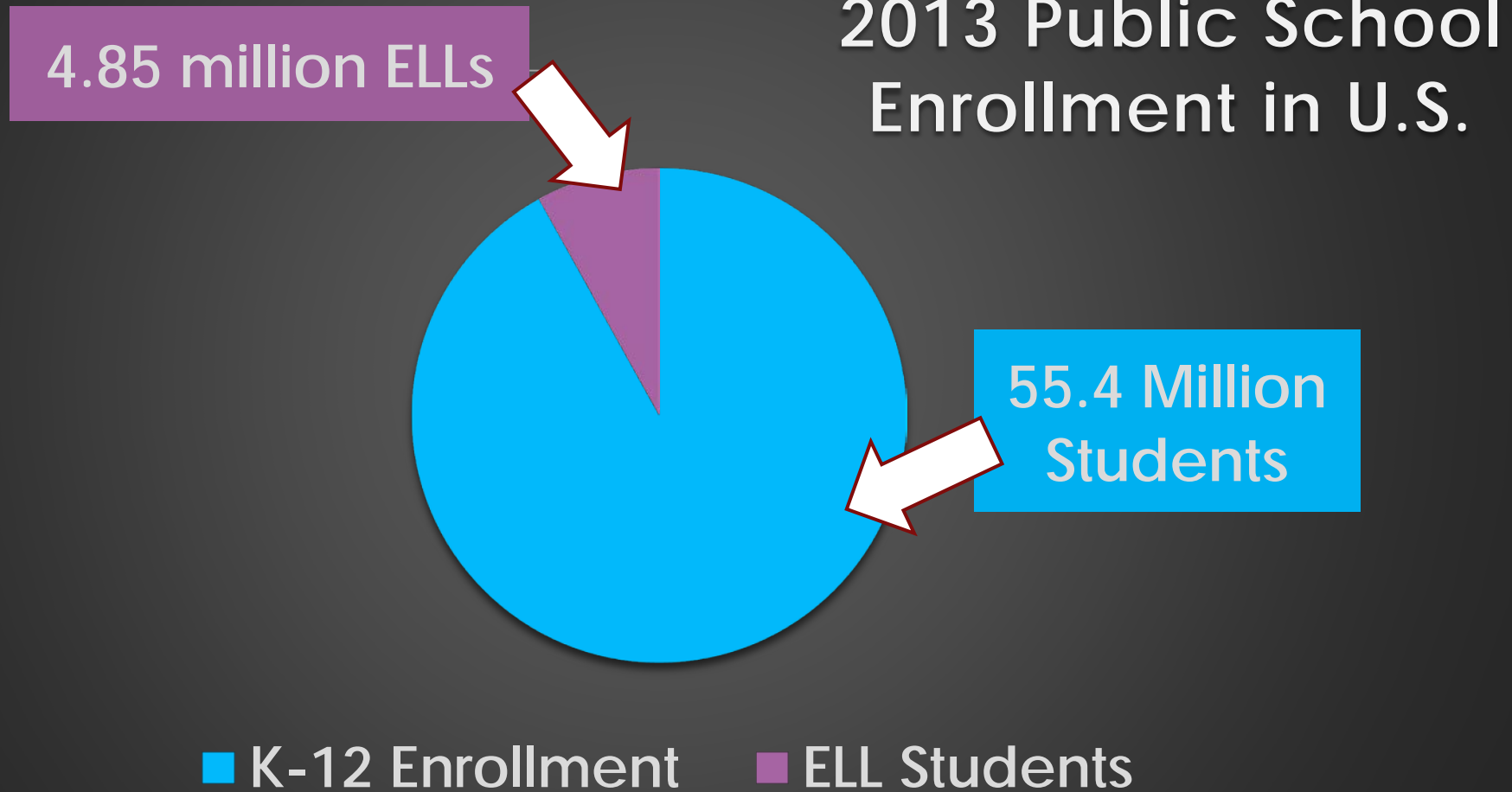
- ❑ Investment in future of education and students identified as English Language Learners (ELL)

(Szapocznik & Coatsworth, 1999)

- ❑ Children who are English Language Learners (ELLs) are the fastest growing segment of the school-aged population

(National Clearinghouse for English Language Acquisition, 2004)

Introduction



(Zong & Batalova, 2015)

Problem Statement

- ❑ By 2030, ELL students comprise 40% of K-12 population

(Ballantyne, Sanderman, & Levy, 2008; Thomas & Collier, 2001)

- ❑ 70% of ELL students are considered low-income

(Hernandez, 2012)

- ❑ Children who spend one year living in poverty make up 70% of all students who do not graduate

(Hernandez, 2012)



Problem Statement



- ❑ As the ELL population increases, more attention needs to be placed on the unique academic and social-emotional difficulties these students encounter in school.
- ❑ However, "...the relationship between academic self-beliefs and achievement for ELLs is not well understood..." (p.8)

(Niehaus & Adelson, 2014)

Study Significance

- ❑ Issues unique to ELL students:
 - ❑ Stress at home
 - ❑ Consistently low test scores
 - ❑ High drop-out rate

(Ballantyne, Sanderman, & Levy, 2008; Murnane, Maynard, & Ohls, 1981; Thomas & Collier, 2001)

- ❑ Many studies addressed issues of student belonging and motivation, but none considered the variable of language acquisition

(Matthew & Ewen, 2006)



Study Significance



- ❑ Applied research study
- ❑ Quantitative approach
- ❑ Two areas of focus
 - ❑ Language Development
 - ❑ Connectedness

Literature Review

- ❑ The field of language acquisition is relatively new

(Valdes, 2001)

- ❑ Timelines and stages of learning a language are relative and flexible but not always sequential.

(Collier 1987; Cummins, 1981)

- ❑ Language acquisition is influenced by SES, exposure to vocabulary, and parental education

(Ovando, 2003)

Literature Review

- ❑ Connectedness provides comfort, well-being, reduced anxiety, stability, mutual trust, closeness, and dependency

(Byers, Goossens, Vansant, & Moors, 2003)

- ❑ Connectedness is a key component for ensuring positive youth development (PYD)

(Lerner, Phelps, Forman, & Bowers, 2009)

- ❑ Connectedness indicates the level of life satisfaction during adolescence. This assessment is critical to adolescents' social and psychological development; along with their physical health.

(Bonny, Britto, Klostermann, Hornung, & Slap, 2000; Oberle, Schonert-Reichl, & Zumbo, 2011)

Literature Review

- ❑ Research supports link between connectedness and social and academic outcomes for students

(Cosentino de Cohen, Deterding, & Clewell, 2005; Epstein, 1976)

- ❑ Connectedness increases student motivation and academic growth.

(Kiefer, Ellerbrock, & Alley, 2014)

- ❑ Connectedness is the key reason English Language Learners continue coming to school and continue trying to learn English.

(DeNavas-Walt, & Proctor, 2015)

Research Questions

What is the relationship between the language acquisition level of English Language Learners and their level of connectedness to:

RQ1: family?

RQ2: friends?

RQ3: school?

RQ4: self?

Design

□ Midwest School District enrollment and ELL enrollment

□ 1995 = 17,801 students
= 120 ELL students
= .67%

□ 2015 = 29,558 students
= 3,129 ELL students
= 10.58%

(Midwest State Department of Education, 2014)



Design



- ❑ Two survey instruments
 - ❑ Individualized Developmental English Activities Proficiency Test (IPT)
 - ❑ The Hemingway: Measure of Adolescent Connectedness (MAC)

Instruments Utilized

- ❑ Individualized Developmental English Activities Proficiency Test (IPT)
 - ❑ 1976
 - ❑ Validity determined through Dalton's studies
 - ❑ Amori and Dalton created secondary version
 - ❑ Measures oral, written, and reading skills
 - ❑ 3 Versions
 - ❑ **IPT 1** = Grades K-3, **IPT 2** = Grades 4-6, **IPT 3** = Grades 7-12
 - ❑ 2 Forms = **C** and **D**

(Amori & Dalton, 2004; SG Consulting, 2009; Stansfield, 1990)

Instruments Utilized

- IPT 2 & 3
 - Archival data
 - 91 Questions measuring ability to read in English
 - Raw score determines placement

Designation	IPT 2 (Grades 4-6)	IPT 3 (Grades 7-12)
Non-English Reader (NER)	0-31	0-27
Limited English Reader (LER)	32-45	28-42
Competent English Reader (CER)	46-53	43-55

(Amori & Dalton, 2004; SG Consulting, 2009; Stansfield, 1990)



Instruments Utilized



- ❑ The Hemingway: Measurement of Adolescent Connectedness (MAC)
 - ❑ 5th edition
 - ❑ 4 Subgroups
 - ❑ Family = 21 statements
 - ❑ School = 16 statements
 - ❑ Friends = 26 statements
 - ❑ Self = 15 statements
 - ❑ Demographics collected = gender, ethnicity, living situation, and grade
 - ❑ Completed during the school day with ELL teacher

Instruments Utilized

❑ MAC

- ❑ Self-report survey
- ❑ Likert scale (1 = *not at all true*, 5 = *very true*)
- ❑ 78 statements measured adolescents' degree of caring for and involvement in specific relationships
- ❑ Each subgroup included at least one reverse-scored item
- ❑ Internal consistency and test-retest reliability for subgroups and scales were strong

(Karcher, Holcomb, & Zambrano, 2008; Karcher & Sass, 2010)

Participants

- ❑ **Population** = ELL middle school students (grades 6-8)
- ❑ **Sample** = All ELL students attending four middle schools with an active status (n = 263)
- ❑ **Participants** = 6th -8th grade students attending ELL classes at least once a day (n = 126)
- ❑ All participants were identified as limited English proficient (**LEP**) at varied levels

(Collier 1987; Cummins, 1981)

Findings

- ❑ Bivariate correlations within the Pearson Analysis to discover positive and/or negative correlations between variables
- ❑ Results generally demonstrated positive, weak correlations within all three grade levels.
- ❑ Two negative correlations were discovered
- ❑ One statistically significant correlation was found

Findings

- ❑ A weak, positive correlation between sixth graders' level of connectedness to **self** and level of language acquisition. This finding was statistically significant ($p = .037$).
- ❑ A weak, negative correlation between seventh graders' level of connectedness to **school** and level of language acquisition was not statistically significant ($p = -.061$).
- ❑ A weak, negative correlation between eighth graders' level of connectedness to **friends** and level of language acquisition was not statistically significant ($p = -.095$).



Findings



- ❑ Eighth grade consistently had the lowest mean score for connectedness in all four subgroups
- ❑ Sixth grade consistently had the highest mean score for connectedness in all areas except family
- ❑ One-Way ANOVA and Post Hoc analysis did not reveal any statistically significant differences between grades and levels of connectedness within the subgroups

Correlation of IPT and Connectedness According to Grade Level

	6 th Grade n=51	7 th Grade n=45	8 th Grade n=30
Family			
Pearson Correlation	.064	.100	.023
Sig. (2-tailed)	.655	.512	.906
Friends			
Pearson Correlation	.128	.065	-.095
Sig. (2-tailed)	.372	.672	.619
School			
Pearson Correlation	.175	-.061	.069
Sig. (2-tailed)	.219	.691	.719
Self			
Pearson Correlation	.292	.185	.200
Sig. (2-tailed)	.037**	.223	.289

Conclusions

- ❑ Unable to find statistically significant results to support a strong relationship between language acquisition and ELL middle-school students' level of connectedness to family, friends, school, and self.
- ❑ The consistency of weak, positive correlations provide support for research concerning student buy-in and commitment to learning. When students feel connected beyond the curriculum, they will continue to push themselves academically and socially.

Implications

- ❑ Schools, governments, and society-at-large cannot avoid the reality of living in a linguistically-diverse social environment.
- ❑ Awareness within the realm of educational policies concerning connectedness might have a positive impact on funding, programming, and cultural awareness concerning student needs and possibly negative outcomes for students unable to connect beyond the classroom during middle school.

Implications

- ❑ Highest number of ELLs in public school
- ❑ Highest drop out rates among minority groups
- ❑ Education is a key element to helping students escape poverty and limited career opportunities
- ❑ Programs and teacher training to help students connect with teachers, peers, and schools will help education remain a priority for ELL students.

Limitations

- ❑ Cannot be generalized to other ELL sites
- ❑ Format of IPT did not allow for comparisons across grade levels
- ❑ IPT available was old version

Limitations

- ❑ Some statements for the MAC included instructions to leave blank if statement did not apply – impacting overall score
- ❑ Administration of both tests were completed at four different locations by four different teachers

Recommendations

- ❑ Larger sample size with larger variety of linguistic groups
- ❑ Surveys given at only one location
- ❑ Utilize mean score within grade level for blank responses for MAC

Recommendations

- ❑ Updated IPT with scaled scores
- ❑ Reevaluate seventh and eighth graders when they are juniors and seniors to see if connectedness played a role in graduation and if language improved along with connectedness

References

Amori, B., & Dalton, E. F. (2004). IPT early literacy test. *Ballard & Tighe Publishers Yearbook* 17(1).

Ballantyne, K., Sanderman, A., & Levy, J. (2008). *Educating English language learners: Building teacher capacity*. National Clearinghouse for English Language Acquisition. Retrieved from <http://www.ncela.us/files/uploads/3/EducatingELLsBuildingTeacherCapacityVol1.pdf>

Bonny, A. E., Britto, M. T., Klostermann, B. K., Hornung, R. W., & Slap, G. B. (2000). School disconnectedness: Identifying adolescents at risk. *Pediatrics*, 106(5), 1017-1021.

Byers, W., Goossens, L., Vansant, I., & Moors, E. (2003). A structural model of autonomy in middle and late adolescence: Connectedness, separation, detachment, and agency. *Journal of Youth Adolescents*, 32(5), 351-365. Retrieved from https://www.researchgate.net/publication/226278579_A_Structural_Model_of_Autonomy_in_Middle_and_Late_Adolescence_Connectedness_Separation_Detachment_and_Agency

References

Collier, V. P. (1987). Age and rate of acquisition of second language for academic purposes. *TESOL Quarterly*, 21(4), 617. <http://dx.doi.org/10.2307/3586986>

Cosentino de Cohen, C., Deterding, N., & Clewell, B. (2005). Who's left behind? Immigrant children in high and low LEP schools. <http://dx.doi.org/10.1037/e723132011-001>

Cummins, J. (1981). Age on arrival and immigrant second language learning in Canada: A reassessment. *Applied Linguistics*, 2(2), 132-149. https://www.researchgate.net/publication/249237663_Age_on_Arrival_and_Immigrant_Second_Language_Learning_in_Canada_A_Reassessment

DeNavas-Walt, C., & Proctor, B. D. (2015). Income and poverty in the United States: 2014. *Current Population Reports: United States Census Bureau, Report Number P60-252*. Retrieved from <http://www.census.gov/library/publications/2015/demo/p60-252.html>

References

Epstein, J. L. (1976). The concept and measurement of the quality of school life. *American Educational Research Journal*, 13(1), 15-30.
<http://dx.doi.org/10.3102/00028312013001015>

Hernandez, D. (2012). *Double jeopardy: How third-grade reading skills and poverty influence high school graduation*. Baltimore, MD: Annie E. Casey Foundation. Retrieved from <http://eric.ed.gov/?id=ED518818>

Karcher, M. J., Holcomb, M., & Zambrano, E. (2008). Measuring adolescent connectedness: A guide for school-based assessment and program evaluation. In H. L. K. Coleman & C. Yeh (Eds.). *Handbook of school counseling* (pp. 649-669). Mahwah, NJ: Lawrence Erlbaum. <http://dx.doi.org/10.4324/9780203874806.ch39>

Karcher, M. J., Sass, D. (2010). A multicultural assessment of adolescent connectedness: Testing measurement invariance across gender and ethnicity. *American Psychological Association*, 57(3), 274-289. <http://dx.doi.org/10.1037/a0019357>

References

Kiefer, S.M., Ellerbrock, C., & Alley, K. (2014). The role of responsive teacher practices in supporting academic motivation at the middle level, *Research in Middle Level Education*, 38(1), 1-16. <http://dx.doi.org/10.1080/19404476.2014.11462114>

Lerner, J. V., Phelps, E., Forman, Y., & Bowers, E. P. (2009). Positive youth development. In R. M. Lerner & L. Steinberg (eds.), *Handbook of adolescent psychology: Vol 1. Individual bases of adolescent development* (3rd ed., pp. 524-558). Hoboken, NJ: Wiley.

Matthews, H., & Ewen, D. (2006). Early education programs and children of immigrants: Learning each other's language. Washington, DC: The Urban Institute. Retrieved from <http://www.urban.org/research/publication/early-education-programs-and-children-immigrants-learning-each-others-language>

Midwest State Department of Education. (2014). *Report Card: Midwest School District information*. http://online.ksde.org/rcard/district.aspx?org_no=D0233&enroll_type=5

Murnane, R., Maynard, R., & Ohls, J. (1981). Home resources and children's achievement. *The Review of Economics and Statistics*, 63(3), 369-377. <http://dx.doi.org/10.2307/1924354>

References

National Clearinghouse for English Language Acquisition. (2004). *Frequently asked questions: Ask NCELA No. 8*. Retrieved from <http://www.ncela.gwu.edu/expert/faq/08leps14shortage.htm>

Oberle, E., Schonert-Reichl, K. A., & Zumbo, B. D. (2011). Life satisfaction in early adolescence: Personal, neighborhood, school, family, and peer influences. *Journal of Youth Adolescence*, 40(7), 889-901. <http://dx.doi.org/10.1007/s10964-010-9599-1>

Ovando, C. J. (2003). Bilingual education in the United States: Historical development and current issues. *Bilingual Education in the United States*, 27(1), 1-24. <http://dx.doi.org/10.1080/15235882.2003.10162589>

Szapocznik, J., & Coatsworth, J. D. (1999). An ecodevelopmental framework for organizing the influences on drug abuse: A developmental model of risk and protection. In M. D. Glantz & C. R. Hartel (Eds.), *Drug abuse: Origins and interventions* (pp. 331-366). Washington, DC: American Psychological Association.

References

Thomas, W. P., & Collier, V. (2001). *National study of school effectiveness for language minority students*. Washington, DC: National Center for Bilingual Education. Retrieved from <http://eric.ed.gov/?id=ED475048>

SG Consulting. (2009). Henry Dalton 2009 Scholarship. Retrieved from <http://www.sgconsultinginc.com/HenryDalton.html>

Stansfield, C. W. (1990). *IDEA oral language proficiency test (IPT II)*. Washington, DC: Center for Applied Linguistics. Retrieved from <http://eric.ed.gov/?id=ED326048>

Valdes, G. (2001). *Learning and not learning English*. New York, NY: Teacher's College.

Zong, J., & Batalova, J. (2015). The limited English proficient population in the United States. *The Online Journal of the Migration Policy Institute*. Retrieved from <http://www.migrationpolicy.org/print/15316>