QUESTIONS PRACTICAL SOLUTIONS

Improving the Practice and Usefulness of Education Research

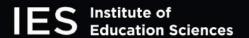
ANNUAL PRINCIPAL INVESTIGATORS MEETING

January 9-10, 2019 Washington, DC

Evaluating features of Personalized Learning: including whether it is working for different students

Carol McDonald Connor, Chancellor's Professor

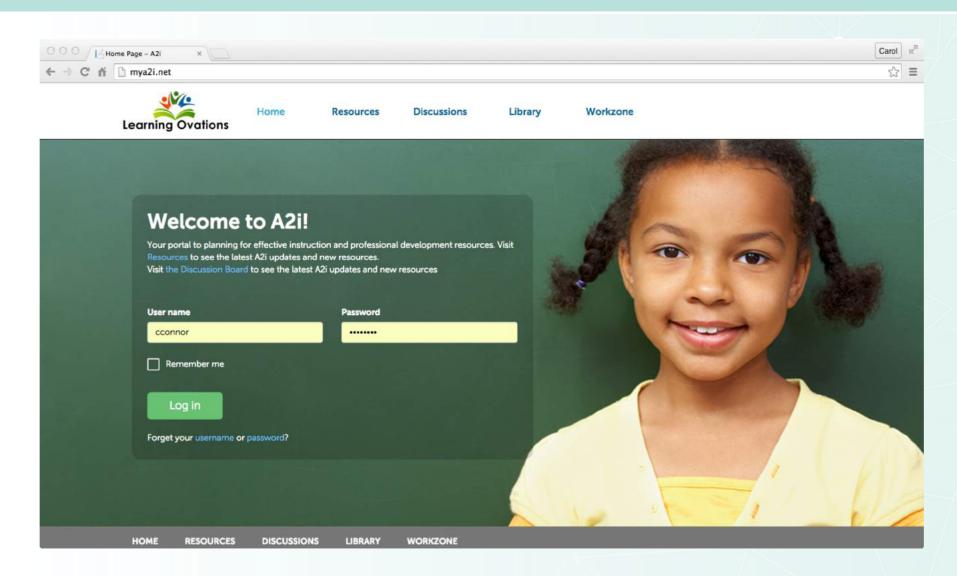
University of California, Irvine

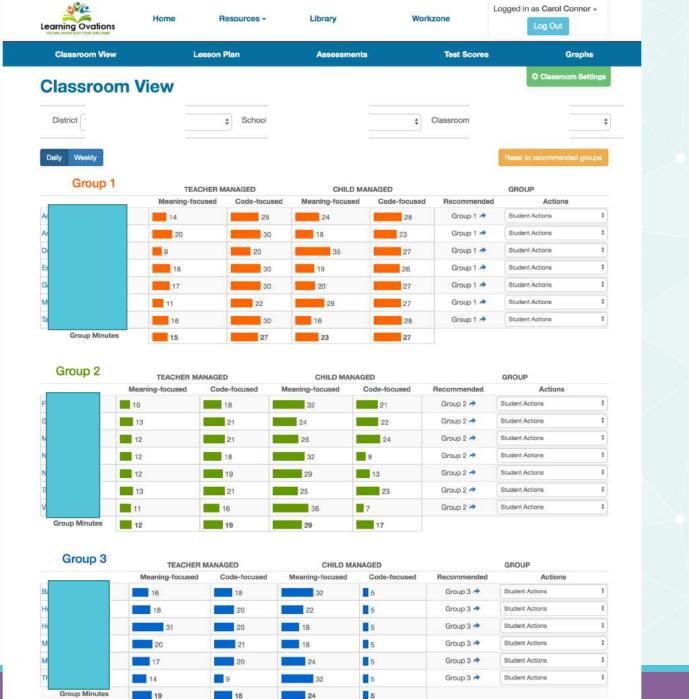


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- ISI Lab members and collaborators
- Teachers and families who participated in this research
- Dr. Connor has an equity interest in Learning Ovations, a company that may potentially benefit from the research results. The terms of this arrangement have been reviewed and approved by the University of California, Irvine in accordance with its conflict of interest policies.

A2i Technology 5.0





Efficacy Results:

Participants

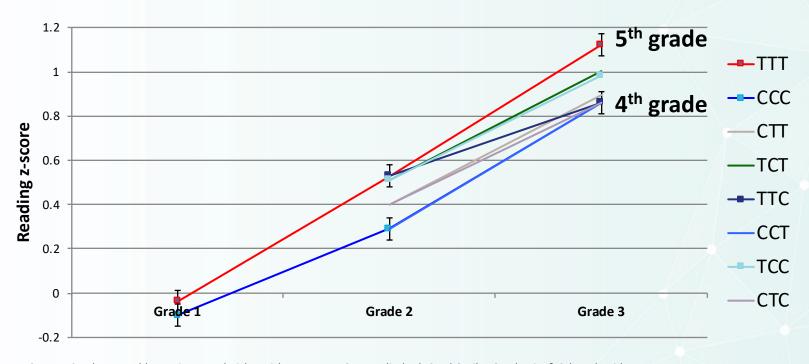
District 1

- 8 schools urban, suburban, rural
 - 24-92% Free and Reduced Lunch
- 27 classrooms
- 480 students/grade
 - 50% qualified for Free and Reduced Lunch
 - 45% African American
 - 50% White
 - 5% other ethnicities
 - 15% received Special Education Services
- Curriculum: Open Court and Reading Mastery

District 2

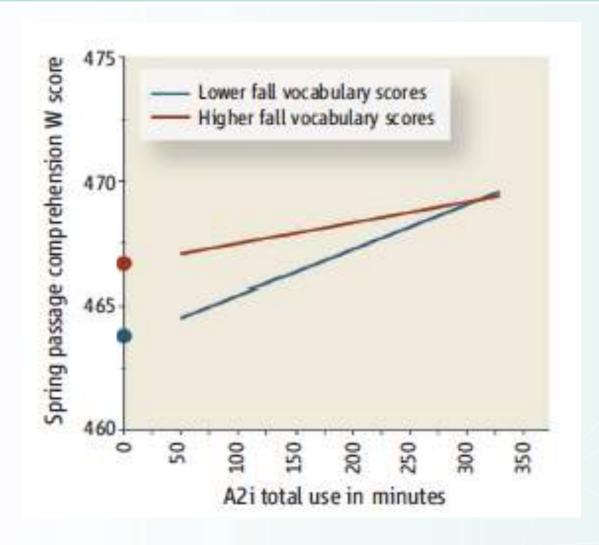
- 5 schools urban, suburban, rural
 - 17-98% Free and Reduced Lunch
- 36 classrooms
- 560 students/grade
 - 50% qualified for Free and Reduced Lunch
 - 20% African American
 - 75% White
 - 5% other ethnicities
 - 13% received Special Education Services
- Curriculum: HM Journeys

End of Grade Effects



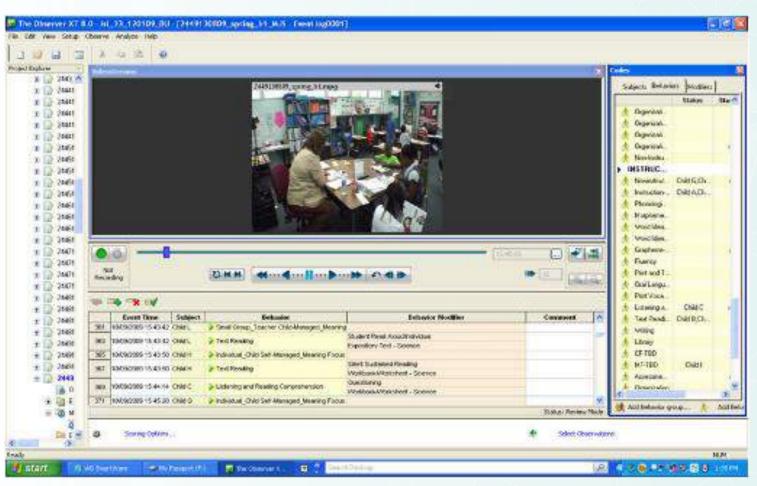
Connor, Carol McDonald, Morrison, Frederick J., Fishman, Barry, Crowe, Elizabeth C., Al Otaiba, Stephanie, & Schatschneider, Christopher. (in press). A Longitudinal Cluster-Randomized Control Study on the Accumulating Effects of Individualized Literacy Instruction on Students' Reading from 1st through 3rd Grade. *Psychological Science*.

Using the A2i Technology predicts students' reading gains



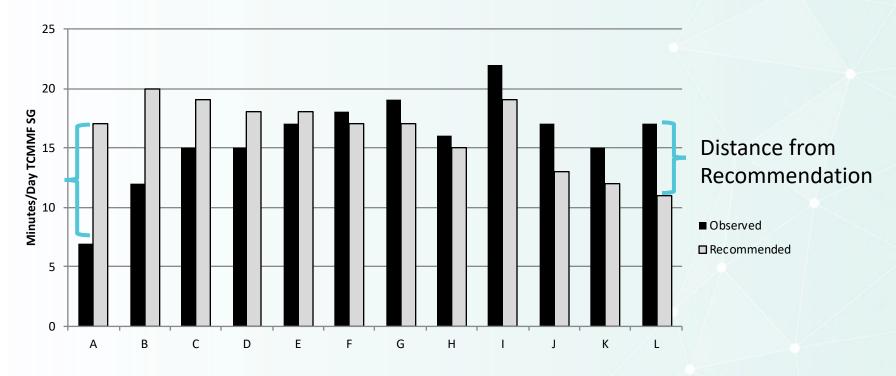
Connor, C. M., Morrison, F. J., Fishman, B. J., Schatschneider, C., & Underwood, P. (2007). THE EARLY YEARS: Algorithm-guided individualized reading instruction. *Science*, *315*(5811), 464-465. doi: 10.1126/science.1134513

ISI Classroom Observation



Connor, C. M., Morrison, F. J., Fishman, B., Ponitz, C. C., Glasney, S., Underwood, P., . . . Schatschneider, C. (2009). The ISI classroom observation system: Examining the literacy instruction provided to individual students. *Educational Researcher*, *38*(2), 85-99.

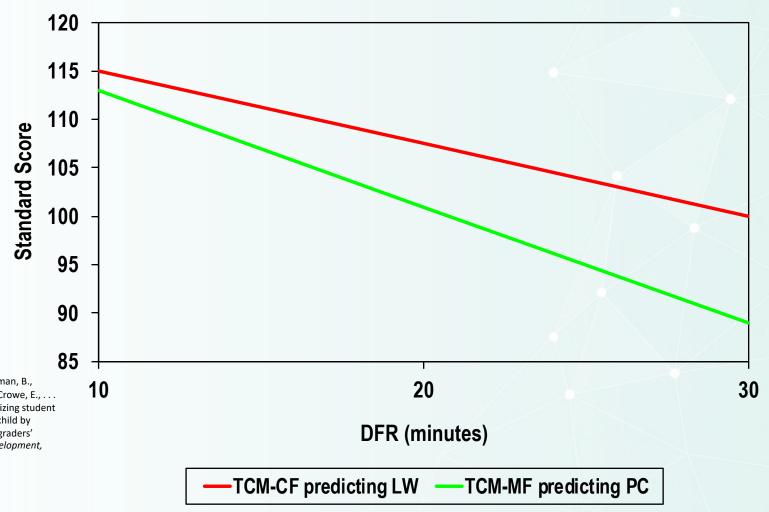
3rd Grade TCM Small-group Meaning-focused DFR



Connor, C. M., Morrison, F. J., Fishman, B., Giuliani, S., Luck, M., Underwood, P., . . . Schatschneider, C. (2011). Classroom instruction, child X instruction interactions and the impact of differentiating student instruction on third graders' reading comprehension. *Reading Research Quarterly*, 46(3), 189-221.

Connor, C. M., Piasta, S. B., Fishman, B., Glasney, S., Schatschneider, C., Crowe, E., . . . Morrison, F. J. (2009). Individualizing student instruction precisely: Effects of child by instruction interactions on first graders' literacy development. *Child Development*, 80(1), 77-100.

First Grade: Distance from Recommendation Predicting Reading standard scores



Connor, C. M., Piasta, S. B., Fishman, B., Glasney, S., Schatschneider, C., Crowe, E., . . . Morrison, F. J. (2009). Individualizing student instruction precisely: Effects of child by instruction interactions on first graders' literacy development. *Child Development*, 80(1), 77-100.

