

# Effectiveness of Peer-Mediated Interventions for Emergent Bilingual Students' Achievement

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## INTRO

- Research has shown that peer-mediated interventions produce positive academic outcomes for a wide range of students.
- Peer mediated intervention refers to an instructional approach that supplements curriculum by emphasizing pairs of students taking on roles of a tutor and tutee.
- This meta-analysis analyzed the effectiveness of peer-mediated interventions for emergent bilingual students in grades K-12.

## PURPOSE

- The purpose of the current meta-analysis was to explore the effects of peer intervention on emergent bilinguals' academic achievement.

## RESEARCH QUESTIONS

1. What are the effects of peer-mediated interventions intended to improve emergent bilingual students' academic achievement?
2. What are the characteristics of peer-mediated intervention that are effective for emergent bilinguals in grades preK-12?

SCAN ME



Scan the QR code above to look at more information about our methods and results.

## METHODS

- Research began with a systematic search on online databases for 11 terms including related and root words to Emergent Bilinguals.
- The initial search yielded 1,449 articles of which 1,387 did not fit the criteria.
- The accepted population of 62 articles were reviewed using their abstracts leading to 30 more articles being excluded.
- The final 32 articles were reviewed in-depth narrowing the population to 14 articles which are included in the final meta-analysis.

## RESULTS

- Overall, across the 14 studies we found a medium positive effect size ( $g = 0.582$  and  $p\text{-value} = 0.002$ ) Peer-mediated interventions for Emergent Bilingual students. This indicates that PMIs are effective for EB students.
- Elementary also seems to have an effect size of Hedges's  $g = 0.683$  (medium effect) and significant at a  $p\text{-value}$  of 0.004.

## DISCUSSION

- Peer mediated interventions improved academic outcomes of EB students.
- More research on PMIs with EBs is warranted in preschool and secondary levels as well as across content areas.
- Critical to continue research with EBs to further understand what evidence-based instructional approaches and interventions might be used to improve EBs academic performance.