The percent of first graders in classrooms with whiteboards available in the South is not significantly different from the percent of students in the Northeast or in the Midwest regions.

Notes: These findings are drawn from the Early Childhood Longitudinal Study, Kindergarten Class of 2010-11 (ECLS-K:2011) first grade wave. The ECLS-K:2011 is a nationally representative sample of kindergartners from the 2010-11 school years. Estimates only include students who were in first grade in the 2011-2012 school year. This information draws upon restricted-use data. Classroom technology information is based on teacher reports of availability of resources and frequency of use.

Interactive whiteboards represent a newer technology that offers teachers flexibility in how instruction is delivered. 66% of first graders in the United States are in a classroom with an interactive whiteboard. However, availability and frequency of use can vary by where a child lives.

One-to-One Computing in the Classroom

Whiteboards in the Classroom: Where in the US are They?

Professional Development: How Prepared are Teachers to Use Technology Effectively?

In order to effectively use technology in the classroom, teachers must have the necessary knowledge base and skills to utilize the tools in meaningful ways. Although very few first graders are in one-to-one classrooms, nearly 91% of these first graders have teachers who participated in technology-focused professional development.

One-to-One Computing

Professional Development: How Prepared are Teachers to Use Technology Effectively?

Electronic devices are shaping how information is shared and taught in classrooms across the country, from rural to urban and suburban communities. Exposure to these technologies is vital to future academic achievement and a successful transition into the workforce.

Findings based on a national early childhood study show how many first graders have access to common electronic devices at school and how many have teachers who are recently trained on effective use of computers and technology in the classroom.

For more information about this dataset, contact Shannon Russell at srussell@air.org.

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