Open Educational Resources: Creating and Synthesizing the Research

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Open Educational Resources (OER)

"Open Educational Resources (OERs) are any type of educational materials that are in the public domain or introduced with an open license."

UNESCO

Open Educational Resources (OER)

OER is defined in terms of copyright status.

Everyone is freely permitted to copy, edit, and share OER.



Open Educational Resources (OER)

- A utter dearth of empirical research on the learning impact of OER use throughout the 2000s allowed publishers and others to spread FUD.
- · Several hype articles and opinion pieces
- Only one empirical article from 2000 2010

Open Educational Resources (OER)

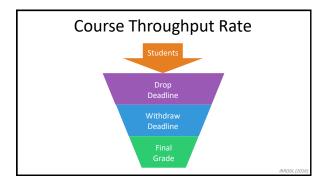
- Create the Open Education Group & COUP Framework
- Create the OER Research Fellow Program
- Create novel research synthesis dissemination strategies

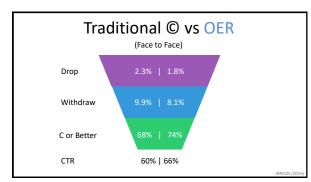
Improving Course Throughput Rates and Open Educational Resources:
Results from the Z Degree Program at Tidewater Community College

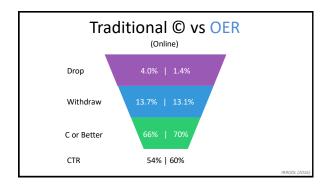
Hilton, Fischer, Wiley, and Williams (2016)

International Review of Research in Open and

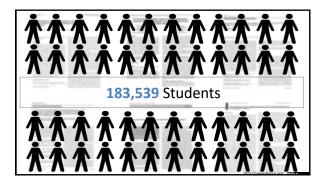
Distance Learning

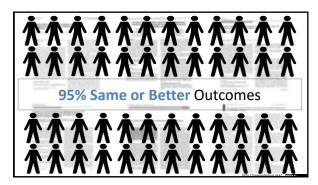




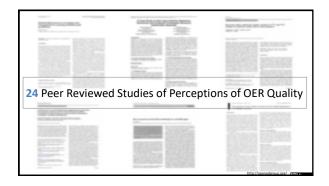








Controlled for teacher variables	Controlled for student variables	Randomized	DV	Results
8 yes 14 no	9 yes 13 no	2 yes 20 no	CAOS, CLASS, completion rate, credits taken, quiz score, exam scores, GPA, drop, pass rate, withdrawal rate	3 studies did not provide results regarding statistical significance 8 reported NSD 10 results favored OER 1 result favored traditionally copyrighted textbooks





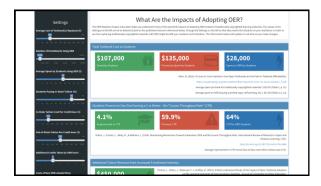


Novel Synthesis and Dissemination Techniques

- The Review Project
- The OER Adoption Impact Calculator

Studies that included data on both efficacy and perception. Research by institute of all COLDs look pilous of they give State believed by the COER were implemented an even series of them courses in the business and sear them of them courses in the business and sear three COER nove the requirement of the course will state of the COER nove the course that dead of the course in the search of the course in the course of the course in the course in the course of the course in t







OER Research Takeaways

- A growing body of studies show that students who use OER perform as well or better than their peers who use traditionally copyrighted materials.
- Moving forward, we need more rigorous research that better accounts for student, teacher, and other potentially confounding variables.

OER Research Takeaways

- We need more studies that disaggregate data and allow us to see more clearly the impact of OER on specific populations.
- We also need studies examining the interaction between the novel pedagogies afforded by OER and student learning.

OER Research Takeaways

- There are fundamental questions to be answered about the degree of impact on learning that can be attributed to educational materials.
- Understanding the answer to this absolutely fundamental question is key to understanding much about our (AECT) field.

Thank You

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