

Embracing the Future: AI Applications and Ethical Considerations in School-Based Practice

Addie Segal, OTD, OTR/L



Faculty

Addie Segal, OTD, OTR/L, has practiced in clinical settings ranging from a rehabilitation center for veterans with traumatic brain injuries to home-health OT. Dr. Segal's current research addresses technology trends among occupational therapists. She is an adjunct faculty member in Kean University's Occupational Therapy Community Cares Clinic and previously served as a mentor for students from underrepresented groups in Duke University's entry-level OTD program. Prior to her OT career, she served in the military as a tank instructor, managing courses for combat soldiers and training courses for instructors. She graduated from both the Hebrew University of Jerusalem and Boston University for her OT training.

Addie Segal receives an honorarium from Education Resources.

Addie Segal has no relevant nonfinancial relationships to disclose.

About this ON-DEMAND Course

Discover the potential for Artificial Intelligence (AI) to enhance your practice. Learn about the development and types of AI while considering possible applications, benefits, and challenges in implementing AI in school-based therapy services. Examine ethical and legal considerations involved in implementing these technologies, such as data privacy, bias, and the overall impact on student well-being. Expand your knowledge to utilize AI effectively in your school-based practice!

Learning Objectives

- Determine the differences between supervised and unsupervised AI.
- Select the most suitable AI applications for enhancing therapeutic practices in school-based settings.
- Recognize an impact of AI tools on student outcomes and therapy efficiency when using AI to enhance school-based services.
- Apply knowledge of ethical principles to modify the implementation of AI tools in school-based settings, ensuring alignment with best practices for data privacy, bias mitigation, and student well-being.

Audience

This course is appropriate for Special Educators and PTs, OTs, SLPs working with Early Intervention, Pediatric or School-Based populations.

Help your patients achieve better outcomes.

ON-DEMAND Schedule

1 HOUR, 30 MINUTES

- I. What is Artificial Intelligence?
 - a. Relevance and potential benefits for education settings.
- II. Some of the nuts and bolts
 - a. Narrow vs. General AI
 - b. Machine Learning
 - c. Supervised and Unsupervised Learning
 - d. How it works: From Data Collection through algorithm selection and the feedback loop
- III. How is AI already impacting therapy in education and healthcare settings?
 - a. Personalized learning, automation of administrative tasks, data-driven insights, diagnostics, treatment personalization, and client management?
- IV. Exploring the Benefits and Challenges of AI for School-Based Practice
 - a. AI-assisted-
 - i. diagnosis and treatment planning
 - ii. assistive technologies
 - b. AI-driven data analytics for student progress, documentation and research
 - c. AI-enabled virtual therapists
 - d. Benefits
 - i. Personalization
 - ii. Efficiency
 - iii. Accuracy
 - iv. Consistency

ON-DEMAND Schedule – (continued)

- e. Challenges
 - i. Digital competence
 - ii. Funding and equipment
 - iii. Errors
- VI. Ethical Considerations
 - a. privacy and data security concerns
 - b. bias and fairness in AI algorithms.
 - c. transparency and accountability of AI systems
 - d. Consent and Autonomy
 - e. impact on job roles and responsibilities
- VII. Legal considerations
 - a. Compliance with Educational Laws
 - b. Liability Issues
- VIII. Future Directions and Resources for Implementation

15 MINUTES

Post-Test

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Instructor: Janine Wiskind, MS, OTR/L, CBIS – 11 Contact Hours

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Instructor: Liesa M. Ritchie-Persaud, PT, DPT, PCS, CKTP – 11.5 Contact Hours

Credits

This course meets the criteria for 1.5 contact hours (1.5 CEUs) Intermediate Level.



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This course can be used toward your NBCOT renewal requirements for 1.5 units.

Approved Provider for the FL Occupational Therapy Association CE Broker for 1.5 CE Hours - CE Broker.

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The following state boards of physical therapy either do not require course pre-approval or do not require CEUs for re-licensure: AL, CO, CT, IA, ME, MT, NE, ND, NH, SD, WA.

1.5 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification. They do NOT qualify towards the 8-hour NDTA Instructor requirement for re-certification.

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