

## PERSONALIZED VIRTUAL REALITY TRAINING

---

[Engsberg, Jack, Foreman, Matthew, Janes, William](#)

[Markiewicz, Gregory](#)

T-014603

Many patients require physical therapy each year as a result of their suffering from a variety of neurological and musculoskeletal disorders including stroke, cerebral palsy, trauma and many others. Repetitive movements can increase muscle tone, range of motion and stamina to aid in their daily activities. Non-compliance with physical therapy regimens due to poor motivation is a major issue that sets patients back in their treatment. Researchers at Washington University School of Medicine have developed a method to utilize free internet games to aid in therapy regimens. Using games for therapy allows patients to complete their repetitions in a fun and exciting way, which will increase compliance and likely physical outcomes as well.