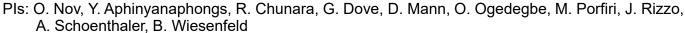# Co-Development of Telehealth, Remote Patient Monitoring, and AI-based Tools for Inclusive Technology-Facilitated Healthcare Work of the Future (TTS)

Award #2129076
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Improve healthcare workers' use of data-intensive technologies at scale by: (1) *co-development of tools to lower barriers to technology integration for healthcare workers*; and (2) *empowering and upskilling healthcare workers.*

What: Assess the impact of telehealth scaling on providers' EHR-based after-hours workload ('work outside work').

How: Cohort study of 2000+ ambulatory care telehealth physicians in 2020-21, relating EHR-based work outside work to telehealth intensity and clinical load. Telemedicine intensity was associated with more 'work outside work'.

More details: Lawrence et al, *JMIR Medical Informatics, 2022*

What: Design, develop, validate and implement a scalable predictive model to identify Covid-19 patients at risk of adverse events, to be used by nursing teams.

How: Analyze workflow, develop training, designate roles & responsibilities, assess use and effectiveness of tool among clinical alert team nurses, helping them shift from reactive to proactive approach to treating Covid patients at risk.

More details: Wiesenfeld et al, *AMIA, 2022*

What: Assess the impact of scaling Remote Patient Monitoring (RPM) on clinic staff workflows and workload.

How: Mixed-methods evaluation, including workflow observation, review of time spent on electronic health records (EHR). Qualitative interviews to identify barriers and facilitators to implementation.