

2023 GIR Excellence Award Winner

Thomas Campion and Boyd Knosp for Enterprise Data Warehouse for Research (EDW4R)



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Faculty, staff, and students increasingly need electronic patient data, especially from electronic health record (EHR) systems, to enable the learning health system, a data-driven feedback loop combining clinical care and research along with education and administrative oversight. Across the NIH-funded Clinical & Translational Science Awards (CTSA) consortium comprised of the ~60 largest AMCs in the country, implementation of an Enterprise Data Warehouse for Research (EDW4R) is nearly ubiquitous; however, best practices for operating EDW4R are unknown, which hinders the ability of individual AMCs and the CTSA consortium to achieve goals of advancing translational science with EHR data, informatics, and artificial intelligence.

Since its initial launch in 2019, the CTSA EDW4R Working Group (WG), co-led by Boyd Knosp and Tom Campion, has provided a community for informatics practitioners and scientists to define and disseminate best practices. Through monthly “member spotlight” presentations illustrating successful approaches from AMCs, peer-reviewed papers and abstracts reporting novel EDW4R studies, and boundary-spanning activities with organizations such as the Clinical Research Forum and the AAMC, the EDW4R WG has advanced understanding and use of critical electronic data infrastructure across the CTSA consortium and beyond. Boyd and Tom's work has served as roadmap for others seeking to establish their own EDW4R programs.