

A modern big data architecture for healthcare research

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In the era of personalized medicine, detailed patient data is crucial. Clinically-relevant data points and biomarkers must be captured for a wide range of patients to enable large-scale population health modeling. Electronic Health Records (EHR) are one way to capture large amounts of data for patient populations. This talk presents the architecture of Modernizing Medicine's big data system, including case studies of how the data has been used in predictive models for melanoma (skin cancer) research.