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Practicum Site: Health Innovation Alliance

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Exploring AI in Healthcare Through a Risk-Based Lens

Introduction: The integration of artificial intelligence (AI) across industries sparked interest in its use within healthcare. AI affects providers, pharmaceutical companies, patients, and public health at large. It could transform healthcare processes such as itemized billing, electronic health records, diagnoses, and personalized treatment plans. While AI use cases expand, governing entities must establish frameworks and guidelines that ensures safe and ethical implementation while also not stifling innovation. This practicum focused on analyzing use cases of AI in healthcare and understanding AI through a risk-based lens.

Methods: The methods for conducting this practicum included attending Office of the National Coordinator for Health IT webinars, participating in calls within clients operating in the healthcare space, tracking congressional developments related to AI in health care, and summarizing rule proposals aimed at guiding healthcare stakeholders in navigating AI use.

Results: The work resulted in a use-case taxonomy outlining the ways AI impacts healthcare and culminated with an event held at Capitol Hill's House of Representatives featuring Rep. Obernolte (R-CA-23) and panelists from Amazon Web Services, Athenahealth, The National MS Society, and Elsevier, all of whom discussed the impact of AI on providers, patients, and health insurance companies.

Conclusions: Interning at Health Innovation Alliance provided practice experience and insights into the regulatory considerations essential for integrating AI into healthcare.