

How Merck and Veeva Drive Efficiencies and Quality with Al

Bryan Souder (Merck & Co., Inc.) Christopher McSpiritt (Veeva Systems)



Meet the Speakers

Bryan Souder

Title: Senior Director, TMF Head

Organization: Merck & Co., Inc.

Bryan leads TMF process at Merck & Co., Inc. He has spent more than a decade evolving trial master file processes and technologies.

Chris McSpiritt

Title: Senior Director, Clinical Operations Strategy Organization: Veeva Systems

Chris leads clinical operations strategy at Veeva. He's worked for almost 20 years in the life sciences arena, both at software companies and consulting firms.

Where Can Al Play a Role in Clinical Trials?





Public

Where Can AI Play a Role in Clinical Trials?



Clinical Operations

(e.g., study design)

Clinical Data (e.g., simulated cohorts)

Safety (e.g., safety case intake)



Automation and AI for TMF



Automation and AI Enable More Efficient and Strategic TMF Management



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Al in TMF at Merck

In-Sourced TMF Operating Model



In-Sourced with Centralized Indexing



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Decision-Making Process to Implement AI





Example: Bot Creation Sprint





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Why AI in Document Processing?





Example: Bot for System-to-System Migration





Results: Migrated 17,000 documents and saved 62 hours since mid-2020



Example: Veeva TMF Bot for Auto-Classification





Results: Auto-classify 1.02 million documents and save 18,000 hours per year



Monitoring Bots: Oversight, Controls, and Issues





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Merck's Key Learnings to Leverage AI





Future of AI in Clinical Trials

Future of AI in Clinical Trials: Discussion





Public



Questions?