

Knowledge Mining Solution

Better insights. Better care. Better Experiences

Healthcare needs to adopt a data-driven approach that optimally utilizes the massive inflow of unstructured data from electronic medical records (EMR), doctor's notes, medical sources, devices, etc. while containing costs and automating redundant tasks. This requires firms to organize, unify, analyze, & visualize data for better insights and drive business transformation.

WinWire, a Microsoft Gold Managed Partner, offers a **Knowledge Mining Solution** built by leveraging **Azure Search, Azure Cognitive Services, and Text Analytics for Health** service by Microsoft. It uses a combination of AI services to understand, learn from large volumes of raw data to uncover hidden insights, and find relationships and patterns at scale.

Knowledge Mining Solution

Microsoft Azure and AI/NLP powered solution extracts information from structured and unstructured data stored in different sources to deliver actionable insights and improve search & findability of health outcomes.

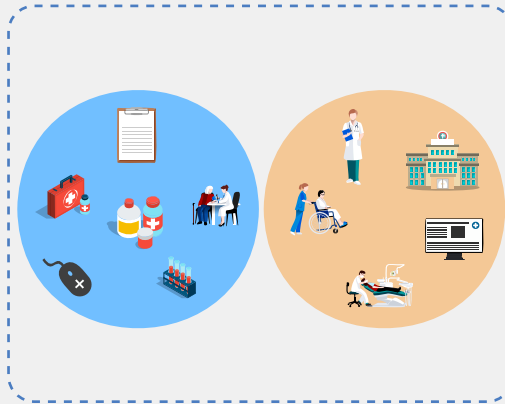
A new knowledge-mining process is delivered where the system will ingest all the EMRs, doctor's notes, medical sources, devices outputs, etc. and enrich those medical terms to ICD-100-CM and RxNorm codes based on those medical terms.

Why WinWire?

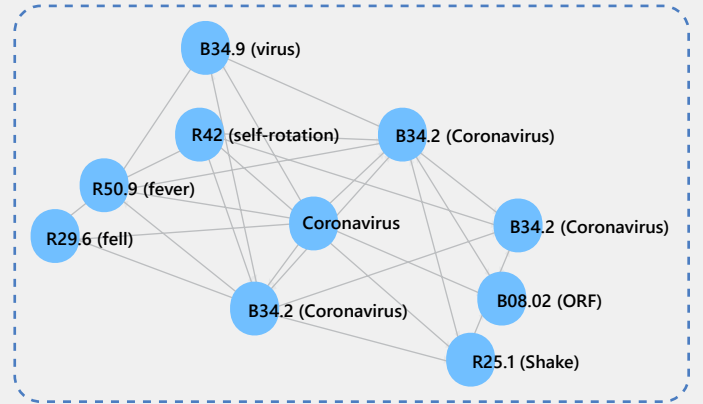
- 13+ years of experience as Technology Partner for Fortune 500 and Global 2000 companies
- Expertise in Azure, AI and Machine Learning
- Delivering rapid value and business results
- Proven methodologies, best practices and real-world experience
- Great Place to Work - Certified™



Raw Data Onboarding



Knowledge Mining Engine (AI/Ontology)



Graph Visualizer

The solution will also provide a relationship between these medical terms so that researchers and scientists can start linking different ontologies to create patterns of these knowledge goldmines.

Deliverables

- Knowledge Mining Solution Accelerator, with
- Extensible Azure framework to integrate with external systems such as ICD-10-CM and RxNorm

WinWire will guide customers on how to extend the solution & consulting and implementation services for additional data sources, onboarding by leveraging Azure Search (type ahead, refiners, filters), Azure Cognitive Services, Text Analytics for Health, & Cognitive Skills.

Value Proposition



Reduces cost of clinical research, time to find knowledge artifacts & improves operational agility



Achieves data-driven insights after content curation of structured & unstructured content



HIPAA-enabled service, pre-integrates Azure Cloud services including Azure search + Azure Cognitive Services + Text Analytics + ICD10 data



Ontology beyond basic Microsoft Azure Text analytics for Health Semantics



Ability to integrate and extend the framework with other legacy source

Contact us at info@winwire.com to learn more about how you can benefit. We can help you assess and identify opportunities to automate your business processes for Knowledge mining through the accelerator workshop.