

WebChartMD Enters Big Data Arena

New technology unlocks wealth of healthcare data
Previously trapped as unstructured text within documents

JOHNSON CITY — WebChartMD, a leader in software solutions used to manage healthcare clinical documentation, announces an innovative new technology that enables keyword searches on millions of free text documents within seconds.

The technology, never before seen in a healthcare application at this level of sophistication, indexes unstructured free text and returns results based on keyword search criteria. The solution's rapid search capability can scale to millions of document searched in less than two seconds, and can index and search documents located within electronic health records (EHRs) and other database structures.

“We see this application as a breakthrough in next generation analytics,” said Andrew Jebasingh, Chief Technology Officer for WebChartMD. “Current natural language processing – or NLP – tools are dependent on custom-written annotators to extract specific information from documents. It's tedious, expensive, and requires a high level of technical expertise. With WebChartMD's new Big Data tool, unstructured text is indexed without the use of annotators, and complex searches can be done by users with virtually no training. It brings Big Data analytics down to the retail level.”

“It's not uncommon for hospitals to have had multiple transcription vendors over the past twenty years, with transcribed documents from each of those vendors stored in isolated silos,” said Mark Christensen, WebChartMD's Chief Operations Officer. “WebChartMD's Big Data turns those isolated silos into a unified, searchable data set – including free text located within current or past EHRs – that can be mined and utilized to improve patient care.”

Use case scenarios for WebChartMD's Big Data tool include:

- Identifying dangerous drug combinations
- Finding recalled drugs and recalled medical devices
- Diagnostic assistance
- Collecting and reporting Core Measures data
- Reporting to the National Program on Cancer Registries
- Real-time critical alerts on unstructured data
- Trend mapping for predictive analysis

“Our country is sitting on an estimated twenty billion healthcare documents in electronic format that have been transcribed since the mid-1990s,” Christensen continued. “That enormous corpus of untapped data is in reality a national resource that has gone unrecognized and unused. WebChartMD's Big Data tool has the potential to accelerate our move toward evidence-based medicine by making accessible decades of our country's health history that currently lies trapped within unstructured free text documents.”

For more information on WebChartMD's Big Data search application, contact Mark Christensen at 877-386-6677 ext. 105, or mark@webchartmd.com.