

Description

Plug-and-play API that seamlessly transfers records between EMR systems

Services

- + Data extraction
- + Data structuring
- + Real-time streaming

Compliance & security

- + Data transmitted over secure HTTPS connection
- + TLS v1.2 encryption
- + Part 11 and HIPAA compliant

Sales agent

DS Medical Holdings, INC
Dave Bandyk, President
zircon@dsmhi.com
(248) 685-8155

Company contact

Vikas Vavilala
vikas@zircontechologies.com

Overview

Zircon Technologies, has developed a unique technology – Accel API – that will revolutionize data management and interoperability across EMR systems. Our technology will be transformative to how hospitals acquire practices and their clinical data.

Accel API ingests records from nearly any EMR system, automatically structuring data and preparing it to be utilized in a separate EMR system. Even unstructured data, such as doctors' notes, lab results, and discharge summaries can easily be targeted and specifically transferred to the new system.

Data cleaning & preparation services, which previously took months and could cost six- to eight-figures in vendor fees, can now be done in a couple hours automatically.

Services

Data Extraction

- Given an EMR system, we can properly extract data without relying on massive, expensive HL7 interfaces or vendor service fees.
- Tools such as custom wrappers, bulk export and query routines allow us to systematically & securely import patient data into our system for structuring and cleaning.
- Our system accepts all file formats commonly available from EMR systems, including PDF, CCD(A), and CSV. Most importantly, this is all done remotely and with a minimal footprint with the clinical site's IT systems.

Real-time Data Ingest

Accel API enables real-time data migration from virtually any EMR to another. Our API allows hospitals & providers to rapidly transfer clinical data – both structured data as well as unstructured clinical notes & free text – between systems. Use cases include:

- Practice / provider acquisition & integration
- Upgrade or migration from one EMR provider to another
- Clinical research or other interoperability situations

Data Structuring and Analytics

The difficulty with moving data from EMR systems can be messy. A few standard formats created by various clinicians may cause data transfer problems. Our unsupervised machine learning and NLP technology allow us to extract information from the EMR and present it cleanly to the end user, allowing the site's IT and clinical analytics team to run familiar queries and reports, regardless of the data source or EMR provider. Furthermore, our system enables powerful analytics that seamlessly run on top of our machine learning platform, such as finding themes in patient data and clinical anomaly detection.

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Results

Developed initially for a search application for clinical trial participants using EMR data, Accel API has been tested on various EMR providers and can deal with systems ranging from popular cloud-based systems such as PracticeFusion to larger, on-premise systems such as Epic or Allscripts.

EMRs we can automatically ingest data from include:

- Epic
- Cerner
- Allscripts
- eClinicalWorks
- Nextgen
- Modernizing Medicine
- PracticeFusion
- eMDs

and many more.

Originally developed to enable more efficient searching for potential participants for clinical trials in existing EMRs systems, our technology was found to easily lend itself to fully transferring complete patient records from old systems to new EMR systems.

When acquiring a new hospital or practice, data integration may be one of the most challenging and expensive processes. Contact us to learn more about how our technology can automate this process with exacting accuracy and efficiency.