



Geo-Coding in emsCharts

Geocoding is the process of assigning Latitude and Longitude coordinates to all addresses (referring, receiving, and patient addresses). After coordinates are assigned, mileages are auto-calculated, bio-surveillance alerts can be setup, spatial analysis reporting can be performed to view EMS incident plot densities, and statistical reports can be run.

How it Works:

- emsCharts automatically assigns a Latitude and Longitude coordinate to addresses in the electronic patient care record.

Geo-coding Functionality:

- Auto-calculates mileage (air or ground) between two points
 - emsCharts references MapQuest to determine the shortest driving route or straight-line distance between two locations (for air).
- Bio-Surveillance Alerts
 - Setup alerts (via email) to notify you when a threshold number of calls is reached determined on location and frequency.
 - For example, a FLU 10 10 10 alert would be setup as follows: 10 Flu-like symptom calls within 10 hours within a 10 mile radius.
 - For example, a Overdose 5 5 5 alert would be setup as follows: 5 Narcan administrations within 5 hours within a 5 mile radius.
- Plot density mapping
 - Display all of your EMS incidents on a map. Specific calls can be filtered by based on call, date range, call type, call location, etc.
- Reporting
 - Closest Trauma Center Report
 - Distance between base and call report
 - Time between base and call report
 - Closest base report

Geo-Coding Setup

- Simple and Easy - Confirm that your "Basesite" code table has addresses for all your Basesite locations and click on the "Re-Geocode" button. emsCharts will do the rest!

Geo-Coding Value

- Eliminate the need for crews to enter mileage
- Achieve better compliance with mileage to the tenths-of-a-mile
- Standardize distances between locations in your service area
- Create visual representation of your data for a different point of view