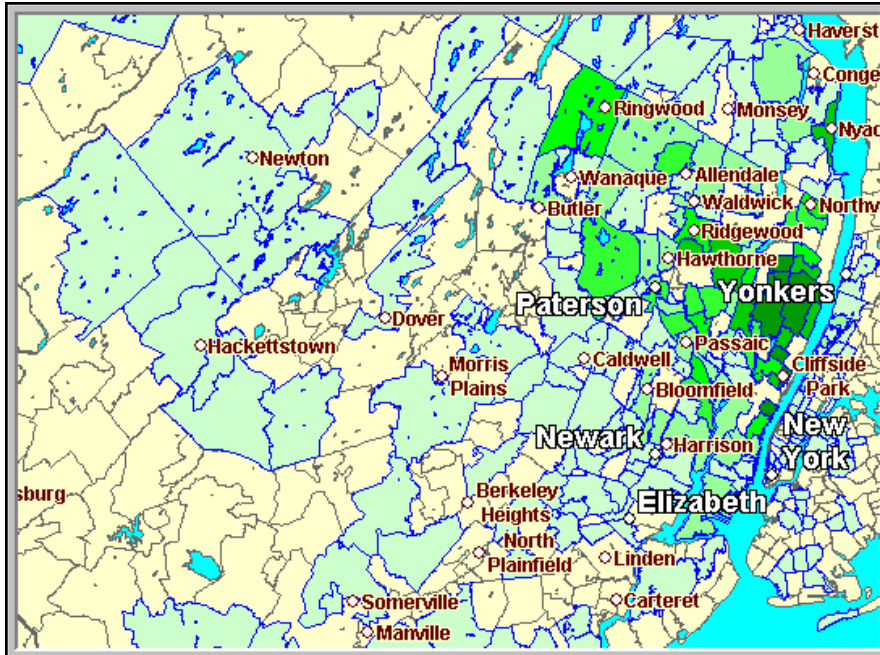# Real-time analysis of Hospital, Poison Control and other data

Time Series by Day

In addition to monitoring 9-1-1 data, FirstWatch can be rapidly and easily deployed to monitor a variety of existing data systems including Hospital, Clinical, Poison Control Center and paramedic electronic patient care reports (ePCR). Our flexible approach let's FirstWatch integrate directly (via read only) with existing data systems or re-ceive data pushed from a system using HL7, FTP, Web Services or other acceptable methods.

FirstWatch can compile and merge data from multiple sources for analysis based on user defined criteria. To add to the flexibility of monitoring data, FirstWatch has free-text analysis tools designed to search through triage and diagnostic fields for clinical information with the built-in ability to handle misspellings, abbreviations and other coding systems like ICD9 and SNOMED.

These free-text tools also include several key attributes including the ability to build "regular expressions" that search for words and phrases in relation to other words. Using regular expressions improves syndrome grouping by programmatically accounting for the myriad of lan-guage variations.

The FirstWatch free-text tools allow authorized users to make instantaneous modifications to the program on-the-fly. Another strength of the FirstWatch Network is the abil-ity to build your own free-text analysis package from scratch, or to import (or build) off a shared analysis pack-age from other current users.