

Fight Crime On Your Terms

The IBM-Cognos crime information warehouse

Overview

Crime analysis is data-intensive. To improve crime prevention, police agencies must understand the data they collect. But the volume of information from multiple systems is difficult to coordinate effectively. In response, IBM and Cognos, an IBM company, have produced Crime Information Warehouse.

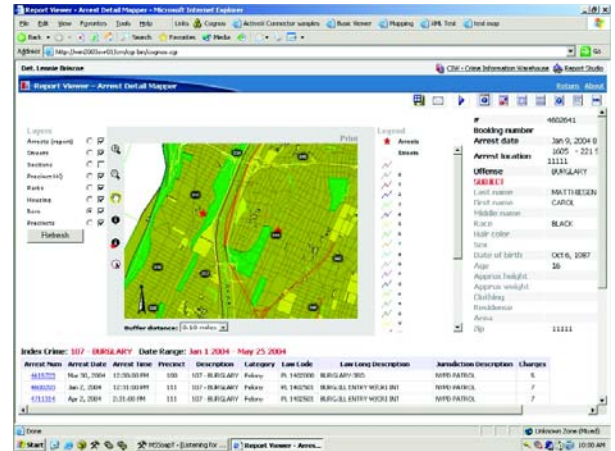
As the natural evolution of COMPSTAT, Crime Information Warehouse allows police departments to report, analyze, and understand crime statistics in near-real time. Rather than reacting, instant access to accurate information allows departments to redeploy in response to crime trends as they occur. Crime Information Warehouse offers several compelling benefits:

- **Better decisions**—Higher-quality responses to crime trends and deployment requirements.
- **Fast results**—Rapid setup based on existing systems delivers value sooner without a long implementation.
- **One voice**—Uniform information across the department for internal and external audiences alike.
- **Easy adoption**—Users find, present, and share information through a Web browser without extensive training.

Crime Information Warehouse integrates departmental data across different systems into a single source of actionable information that better addresses policing needs.

Crime Information Warehouse integrates statistics from these, and other, data sources:

- Crime Analysis System (CAS).
- Computer Aided Dispatch (CAD).
- Arrest Tracking System (ATS).
- Human Resources (HR).
- Uniform Crime Reporting System (UCR).
- Geographic Information System (GIS).



The interactive mapping abilities of Crime Information Warehouse in action.

Common challenges

Police organizations face a common barrier to preventing crime: The data each force collects lives in a range of different systems. These information silos trap data and prevent the timely identification of department-wide patterns. Since 1994, COMPSTAT has helped to consolidate police data for crime analysis and prevention. Despite its strengths, COMPSTAT systems in many police organizations have not provided the right information at the right time to respond to criminal activity:

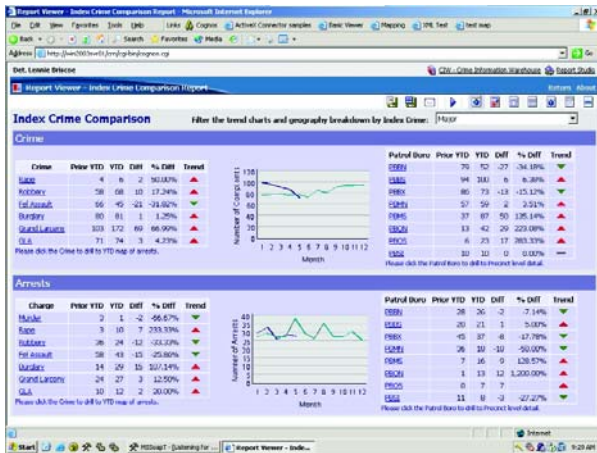
- **Data is not timely**—most systems take a week or more to be updated while statistics are collected daily.
- **Reporting tools are weak**—generating results is labor-intensive. Reports are typically static and paper-based.
- **Analysis is rigid**—ad hoc examination of data is rarely supported.
- **Information is isolated**—data is collected in separate stand-alone systems.

Leveraging technology is fundamental to the success of police organizations. Today, technology from IBM and Cognos delivers a state-of-the-art crime analysis solution to help your agency reduce crime.

Crime information warehouse

Crime Information Warehouse supports COMPSTAT and Uniform Crime Reporting initiatives. Now non-technical staff can use their Web browsers to quickly answer key questions:

- What is the year-to-date clearance rate for homicides in a district?
- What is the average response time for a Priority 3 call with a certain signal type?
- How often is a Simple Assault suspect also charged with Robbery?



Analyze arrests and other variables by number, time, charges-laid and more.

Technical Profile

IBM's Crime Information Warehouse data model is the heart of the solution. Reporting and analysis are delivered by business intelligence software from Cognos with GIS mapping enabled by ESRI. The entire system can be tailored to the requirements of an individual police force.

- IBM DB2® Data Warehouse Edition, WebSphere® Portal Server.
- IBM Cognos ReportNet® and IBM Cognos PowerPlay®.
- ESRI ArcIMS™ GIS mapping and visualization tools.
- IGS and Cognos integration and customization services.

Crime Information Warehouse leverages your existing information systems investment and operates from embedded best practices. This allows departments to avoid the costs and the risks of implementing a modern reporting system from scratch.

Through Crime Information Warehouse, users find and share the answers to these and other questions based on current data from all relevant departmental systems. It functions as a single source of statistics validated according to standard operating procedures (SOPs), and supports departmental, state, and FBI reporting rules.

Crime Information Warehouse allows police organizations to analyze data on their own terms including: location, signal, priority, domestic violence relation, and call-for-service holding time. Interactive charting abilities allow your team to display and navigate data graphically for presentation-quality charts and graphs. Staff can produce reports from any data stored in the warehouse.

About IBM

IBM offers business intelligence solutions that cover the full breadth of software, hardware and services. IBM has the largest business intelligence consulting practice in the world - more than 2,000 consultants worldwide - who specialize in industry-specific consulting services, platform flexibility, support for standards, and scalability.

More information

For more information on the IBM-Cognos Crime Information Warehouse, please contact Tim Brandt at 800-426-4667x2218, or by email at Timothy.Brandt@cognos.com

About Cognos, an IBM company

Cognos, an IBM company, is the world leader in business intelligence and performance management solutions. It provides world-class enterprise planning and BI software and services to help companies plan, understand and manage financial and operational performance. Cognos was acquired by IBM in February 2008. For more information, visit <http://www.cognos.com>.

For more information

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