Public Safety Analytics

CREATE ACTIONABLE INSIGHTS AND IMPROVE TRANSPARENCY

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public safety
a tyler portfolio

Make Big Data Work for Your Agency

Data is everywhere in the public safety industry.

Citations, calls for service, accidents, arrests, reports, incidents — these are just a handful of the ways public safety agencies generate data. While generating data is one thing, it's quite another to harvest and analyze that data to create actionable intelligence.

It's important that agencies analyze the data they harvest because it has the capability to answer questions that agencies aren't yet aware of. These questions include, but are not limited to, the following:

- What's going on across the agency or within the region?
- Where should the agency be its focusing my attention?
- Is the agency making the most impactful decisions for the community?
- How productive is agency staff?
- Where are more resources needed?

Citizen Connect

Law Enforcement Explorer

Performance Dashboards

PUBLIC SAFETY ANALYTICS SOLUTIONS

Law Enforcement Analytics

With powerful analytic tools that are easy to access and provide pertinent insights vital for improved safety, everyone benefits — from the patrol officer on the street, to the crime analyst back at the station, to command staff on or off shift.

Tyler Technologies offers these powerful tools with its Public Safety Analytics suite. This suite is cloud-based and made up of four unique parts needed for modern policing, including:

- **Performance Dashboard**
- **Citizen Connect**
- **Law Enforcement Explorer**
- **Law Enforcement Analytics**

It is seamlessly integrated with Tyler Technologies' dispatch and records management solutions, allowing for data to flow in and out of the system with ease.

Public Safety Analytics provides a powerful method for extracting, analyzing, and visualizing information to create actionable insights.

For instance, imagine insights showing that a specific block of your downtown area is experiencing more break-ins during a specific timeframe. Using Public Safety Analytics, additional patrol can be assigned to the area during this timeframe to mitigate the issue.

Public Safety Analytics also has an easy learning curve, putting everyone from command staff to crime analysts and law enforcement officers in the driver's seat to gain insights from accumulated data.

Public Safety Analytics allows agencies to:

- Streamline data to create more transparency, improve knowledge, and proactively monitor event changes, such as burglaries trending up or down
- Easily access data insights with user-friendly interfaces
- View analytics on desktops, laptops, and mobile handheld devices

View Integrated Public Safety Data With the
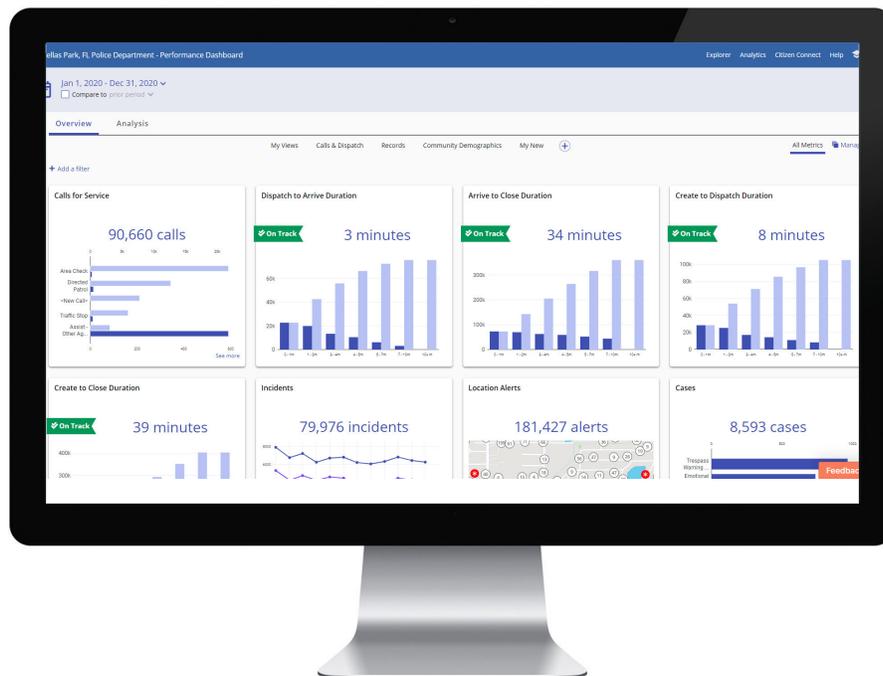# PERFORMANCE DASHBOARD

Access to data is vital in public safety agencies. With the Performance Dashboard, all individuals working for an agency can access this information.

The Performance Dashboard provides an overall visualization of integrated data from an agency's core public safety solutions. Users can filter and explore pie charts, bar charts, and graphs to see the status of different metrics based on their visualization preference. Additionally, individuals from officers to command staff can create custom metrics to visualize information related to their roles.

Performance Dashboard is also a proactive tool that empowers users to create alerts to monitor a specific crime or incident. Once activated, the performance dashboard monitors the frequency of an event and will inform the user via a secure email alert when a threshold has been met. The Performance Dashboard alerts enable personnel to stay abreast of event changes without actively checking the software daily.

Performance Dashboard simplifies data by:

- Integrating data from Tyler's public safety solutions
- Offering visual data information to easily view metrics as pie charts, bar charts, and graphs
- Encouraging a data-supported culture by empowering users to explore data and present evidence-based insights
- Helping personnel monitor event changes through email alerts

Performance Dashboard visualizes integrated data from an agency's core public safety solutions.

Provide Communities With the Transparency They Want Using
CITIZEN CONNECT

Transparency is vital for citizens in communities everywhere. They want to know what crimes are happening, where they're happening, and what public safety agencies are doing to mitigate them.

With Citizen Connect, community members have easy access to data that answers all their questions without exposing sensitive information.

For example, departments can choose what data elements the community can access to control the integrity of an investigation or protect the names and information of crime victims safely and securely. In addition, citizens gain access to a geospatial map — which simply means users see pins on a map of their community for geography-based views — to gain information about incident types and locations happening in the community.

Citizen Connect benefits departments by improving communication with the community and reducing Freedom of Information Act (FOIA) requests by enabling citizens to use an online portal to become more informed about what's going on in their community.

Support staff, such as records administrators, also benefit from this technology since it reduces their workload and enables them to assist the department more actively.

Citizen Connect empowers agencies to:

- Improve transparency with the community by providing information at the discretion of public safety agencies
- Enable citizens to take an active role in community awareness by following crime details within Citizen Connect and asking data-backed questions of law enforcement
- Reduce workloads for records administrators by automating public FOIA requests
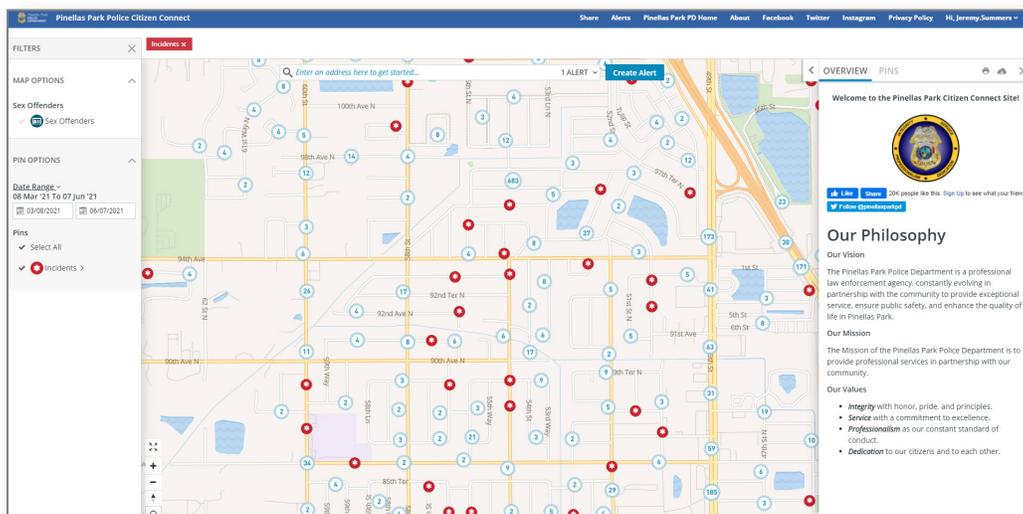
Citizen Connect lets gives residents information about crimes happening in their area.

Real-Time Data Access for All Using
LAW ENFORCEMENT EXPLORER

Law Enforcement Explorer allows everyone in the department, from the officer in the field to command staff, to get a high-level geospatial overview of what's happening in the community. Users can look at specific date ranges to filter information by area, beat, crimes, and keywords to see when and where incidents occur. Departments using Enterprise CAD powered by New World™ can benefit from data integrations that allow users to see call times, deployed response, and what officers arrived on the scene.

Law Enforcement Explorer automatically displays different data elements through:

- Pin mapping, which indicates a single event at a location
- Heat mapping, which is a visual representation of how concentrated the pins are on a map
- Choropleth mapping, which is similar to heat mapping, but represents entire regions or beats by a specific heat signature

Users can choose how data is displayed and compare map zones based on their preferred visualization method.

Law Enforcement Explorer helps agencies:

- Filter information based on area, beat, crimes, and keywords to see visualize crime patterns.
- Access information instantly via complete integration with Enterprise CAD powered by New World
- Choose how information is displayed using different geospatial map views, which highlights the 'where' question when it comes to issues happening in a community
- Give data access to members of the department regardless of their role or title, allowing them to perform better by understanding the overall goals, successes, and even challenges of their agency or department
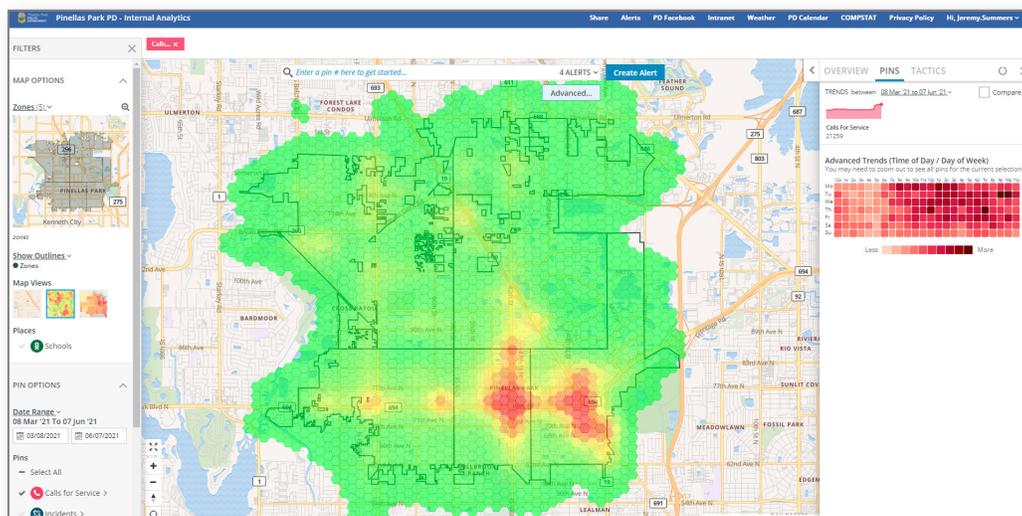
Law Enforcement Explorer enables users to look at specific date ranges to filter information to see when and where incidents occur.

Compare Crime Trends and Enact Change With
LAW ENFORCEMENT ANALYTICS

Whether on or off shift, command staff using Law Enforcement Analytics can perform a comparative analysis of crime or incidents across different periods. The tool allows users to compare crime trends from one period to another to see how crime is changing, including increasing, decreasing, or moving from one area to another.

From this information, command staff can implement tactical strategies to address crime and immediately monitor any changes in specific areas. Users can also include notes about how they want to approach a problem, filter by issue, and implement start and end dates for tactical initiatives.

In addition to comparative analysis, Law Enforcement Analytics also allows users to create a tactical library for departments to review how incidents were addressed in the past, how tactics were performed, and what officers were involved. The tactical library helps departments retain information about past initiatives without losing information when personnel retire or transfer to different departments or jurisdictions.
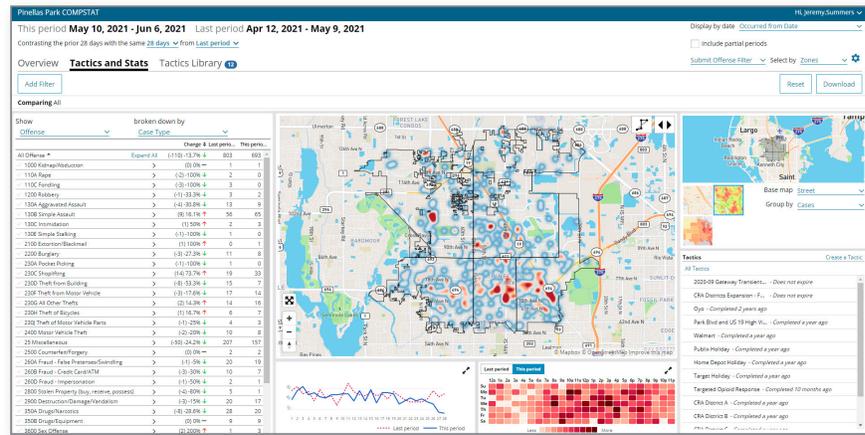
Law Enforcement Analytics offers comparative analysis of crime or incidents across different periods.

Law Enforcement Analytics gives command staff the tools to:

- Perform comparative analysis of crime trends across different periods
- Create tactical geospatial strategies and receive insights immediately after deployment
- Input notes to document
- Develop tactical libraries to record effects of strategic tactics for future consideration

Empower Your Agency and Community With Data

As technology continues to advance, it's crucial for public safety agencies to utilize tools that will help them maintain modern policing. With Public Safety Analytics, agencies have the most powerful tools in the market to help them continue to make stations more efficient, employees more effective, and communities safer.

If your agency needs to create custom reports or dashboards tied to live data or integrating and automating non-Tyler law enforcement data sources, please contact us

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TYLER TECHNOLOGIES, INC.

Tyler Technologies (NYSE: TYL) provides integrated software and technology services to the public sector. Tyler's end-to-end solutions empower local, state, and federal government entities to operate more efficiently and connect more transparently with their constituents and with each other. By connecting data and processes across disparate systems, Tyler's solutions are transforming how clients gain actionable insights that solve problems in their communities. Tyler has more than 37,000 successful installations across more than 12,000 sites, with clients in all 50 states, Canada, the Caribbean, Australia, and other international locations. Tyler was named to Government Technology's GovTech 100 list five times and has been recognized three times on Forbes' "Most Innovative Growth Companies" list. More information about Tyler Technologies, an S&P 500 company headquartered in Plano, Texas, can be found at **tylertech.com**.

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