

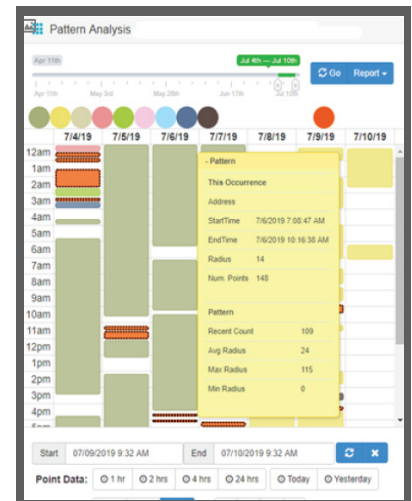
POINT PATTERN ANALYSIS WITH DATA ANALYTICS

Point Pattern Analysis (PPA) for SentinelDNA delivers a comprehensive view of participant travel patterns throughout the community.

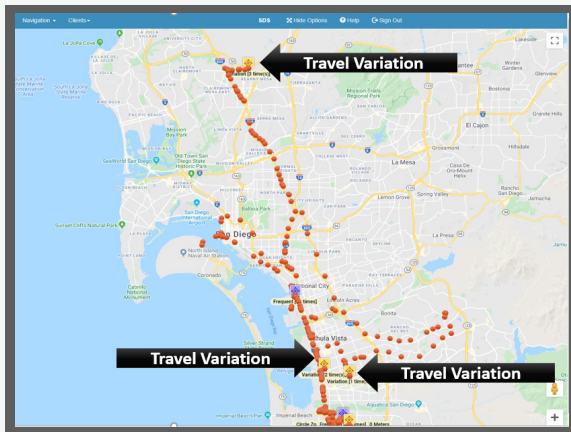
With larger and larger case loads, field officers don't have the time to sift through thousands of GPS data points every day.

Visual queues enable officers to quickly identify variations in participant travel patterns. These variations allow supervising officers to zero in on travel exceptions and address potential violations before they happen.

- + **Streamlines Data Review:** Reduces the time spent reviewing thousands of GPS data points and brings attention to travel exceptions
- + **Increases Field Officer Efficiency** Customized labels for known locations allow officers to quickly identify travel deviations
- + **Facilitates Early Intervention:** Recognizes changes in travel patterns for immediate officer response
- + **Consolidates agency-wide travel history:** Combines all program data to calculate the total time in court approved activities



The calendar view in SentinelDNA shows approved locations and any travel deviations.



Locations a participant visited are analyzed and mapped. The number and duration of visits are displayed, enabling supervising officers to zero in on travel variations.

ESSENTIAL FEATURES

- + **Tracks** the locations frequented by individual participants
- + **Analyzes** all GPS location data
- + **Maps** routine travel patterns
- + **User customized labels** of known locations on the map
- + **Highlights** deviations from known and expected locations visited in the community
- + **Calculates** the number of times visited and the total time spent at every location
- + **Combines** travel history of all program participants for agency-wide reporting
- + **Displays information** in easy to understand color coded map and calendar



SentinelDNA is the intelligent offender management platform with advanced analytics. SentinelDNA provides single-screen access to our comprehensive set of products and services.

**GPS and RF Electronic Monitoring § Remote Alcohol Testing § Substance Abuse Screening
Domestic Violence Monitoring § Cognitive Skills Training § Full-Service Offender Management**

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