



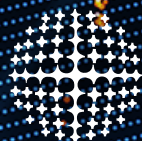
Polaris Wireless Public Health Solution

Geospatial Tracking of Infectious Diseases

Managing the spread of infectious people and locations

Actionable information using accurate mobility behavior

Leveraging existing mass location analytics platform with advanced AI / ML



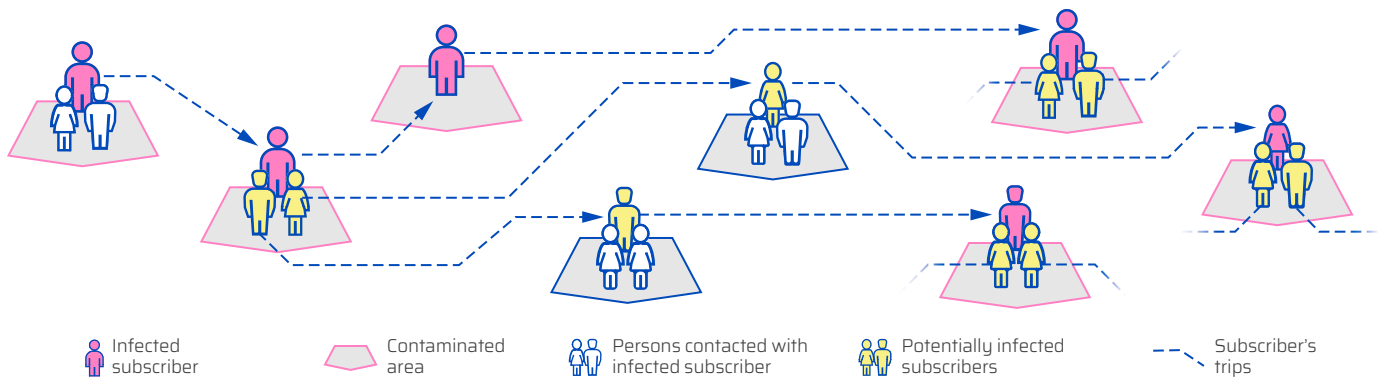
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The Challenge

During a public health emergency, such as a pandemic, it is crucial that authorities are able to quickly and unobtrusively trace all contacts of infected persons. This effort presents several challenges including:

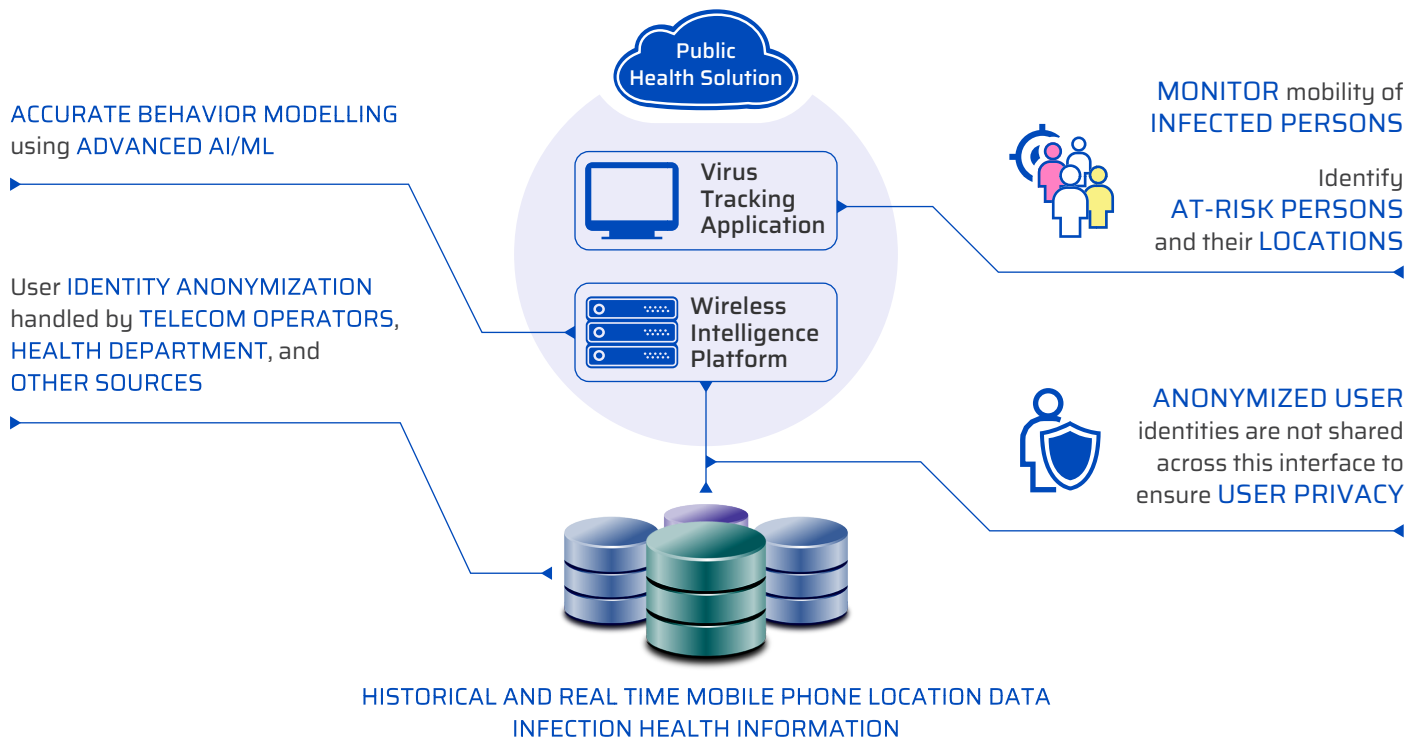
- Locating contact-persons, which can be hindered by lack of identification, geographic barriers, high mobility and transportation issues
- Enrolling contact-persons based on their willingness and availability
- Managing contact-tracing personnel when such resources are limited and
- Maintaining a rigorous contact-tracing schedule, which can last weeks and sometimes months

These challenges are exacerbated by a fast-moving pandemic, where contact-tracing information is vital to slow the spread of disease.



The Solution

- Built on existing Wireless Intelligence Platform based on years of AI / ML innovation
- Rapid delivery with Cloud deployment of Polaris Wireless Public Health Solution
- Runs on 3rd party location and health data - from Telecom Operators, Health Department, other sources



Validate information from patient interviews using location data

Improve detections based on accurate subscriber mobility profiles

Built to handle scale, for addressing mass outbreak scenarios

Efficient resource planning by focusing on high risk geographic areas

Easy to use solution for public health containment analysts

A History of Innovation

The Polaris Wireless Public Health solution utilizes a **high-accuracy and software-based mass location capability** to enable a variety of location analytics use cases leveraging diverse sources of data. Polaris Wireless offers a **tried and tested, sophisticated subscriber behavior model** that covers all mobile subscribers in a given geography. Contact-tracing information is available by **locating and tracking** the movements of at risk persons as they dwell in locations and interact with others. This information is available **in real-time**, and is **immediately actionable**, helping public health authorities to use richer insights to make informed decisions, and protect their citizens without causing panic.

Polaris Wireless is the **global leader in providing high-accuracy software-based 3D location** solutions to wireless operators, law enforcement, government agencies, and commercial enterprises. Polaris Wireless solutions are **deployed in the United States, Asia, the Middle East, Africa and Latin America** to serve emergency call, public health, government use cases, and commercial applications. With a focus on technology innovation, Polaris Wireless has a well-established and **growing patent portfolio** and has been continually recognized in the marketplace for wireless location technology leadership.

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