DLH

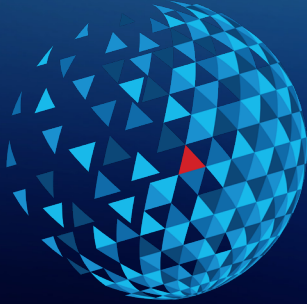## DLHATLAS

DLH Corporation's Atlas Suicide Prevention Research Project leverages advanced analytics as a tool to forecast risk factors with the aim to prevent suicide and improve mental health outcomes. Our cross-disciplinary team of medical advisors, researchers, and data scientists is committed to supporting healthcare providers in identifying and mitigating suicide risk. The unique features of our Atlas Suicide Research Project provide a concise overview of what makes the program effective and valuable.

Key Features:

Advanced Analytics Tools

- Combine detailed ontology and advanced analytics to enable accurate risk assessments, targeted interventions, and effective prevention strategies.
- Employ machine learning algorithms to identify trends in suicide data that inform real-time insights and rapid decision-making.
- Combine individual-level data from various sources to build a comprehensive risk profile, then use big data analytics to identify clusters of risk and protective factors linked to suicide outcomes.

Research-Informed Approach

- Maintains currency and is based on the latest research in suicide prevention and mental health.
- Incorporates evidence-based practices and implementation strategies to enhance program effectiveness.
- Regularly updated with new findings and best practices from ongoing research.

Atlas Engagement

Medical Advisors – General Practice to Specialists
- Enhance patient's holistic healthcare strategy with personalized suicide risk metric to support informed decision-making.
- Provides tools and resources to identify and manage patients at risk of suicide.
- Facilitates communication and coordination with mental health specialists.
- Supports the development of personalized treatment plans based on predictive analytics.
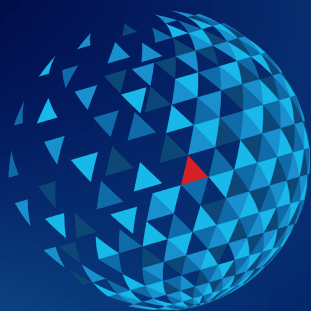
Protective Factors
- Emphasizes the importance of protective factors such as strong social support, effective coping skills, and access to quality healthcare.
- Encourages community-based interventions and support networks to reduce suicide risk.

Forecasting Risk Factors

- Predictive models help forecast suicide rates and identify high-risk populations.
- Real-time data analysis enables timely interventions and resource allocation.
- Supports data-driven decision-making for healthcare providers and policymakers.

DLHATLAS

DLH Corporation's Atlas Suicide Research Project aims to advance suicide prevention through innovative analytics and expert guidance. Partnering with VA's Veterans Informatics and Computing Infrastructure (VINCI) enhances Atlas by providing high-quality data, advanced tools, and a collaborative environment for impactful research.

Key Benefits:

Improved clinical decision-making
Enhanced ability to identify and intervene with at-risk individuals, leading to better mental health outcomes.

Efficient Resource Allocation
Data-driven insights ensure that resources are directed where they are needed most.

Collaborative Care
Provides a common language for suicide risk between general practitioners and specialist psychiatrists to support holistic patient care.