



# Mission-Driven Modernization for Defense Health



U.S. Army Photo Credit: Pfc. Jordan Bristol

Abt Global is a data and technology solutions partner with a 60-year legacy of advancing health and operational effectiveness across federal agencies. We bring deep domain expertise, agile delivery, and AI-enabled tools to help clients translate complex data into better decisions—faster.

## Expertise

At Abt Global, we deliver the real-time, interoperable insight the Defense Health Agency (DHA) needs to strengthen clinical, operational, and force readiness.

We modernize legacy systems without downtime, connect fragmented data environments, and power decision-making with secure, AI-enabled platforms. Our teams have supported TRICARE claims analysis, low-bandwidth telehealth in conflict zones, and 50-state Medicaid pipelines—demonstrating the speed, scale, and resilience required in defense health. We are poised to help DHA shift from reactive analytics to proactive, mission-aligned intelligence.

## What We Deliver

### INTEROPERABLE & LEGACY-FRIENDLY SYSTEMS

*Connecting disparate data systems while preserving authoritative sources:*

- Seamless interoperability through open standards-based architecture
- Data flows that preserve fidelity and source authority
- Modular solutions to reduce technical debt and ease integration

### FASTER INSIGHT, SMARTER DECISIONS

*Enabling faster battlefield prep, surge response, and policy decisions:*

- AI/ML, NLP, and predictive models to forecast readiness and clinical needs
- Low-code dashboards for rapid insight and operational visibility
- Real-time health data pipelines for surge tracking and early warning
- Agile teams to deliver decision-ready tools in weeks

### LOW-CODE, SECURE, & AGILE BY DESIGN

*Flexible delivery without compromising compliance or usability:*

- FedRAMP-ready platforms with built-in governance and role-based access
- Low-code/no-code tools for rapid configuration and deployment
- Scaled Agile (SAFe) methods ensure modular, secure, and iterative development
- Human-centered design improves clinician and analyst experience

# Relevant Projects

## Medicaid Managed Care Data Pipelines

Client: Centers for Medicare & Medicaid Services (CMS)

Abt supports CMS in overseeing Medicaid managed care by building automated data pipelines that streamline submission, validation, and analysis of state-reported data. Leveraging CMS's Databricks platform, our team uses Python and SQL to transform data from hundreds of submissions across 50 states into structured database tables for efficient access. We've also automated data quality checks for the Managed Care Program Annual Report and the Enrollment Report—enabling faster, more reliable insight to guide national program oversight and policy decisions.

## Resilient Telemedicine in Conflict Zones

Client: U.S. Agency for International Development (USAID)

Telemedicine is a crucial tool for connecting people with healthcare during a crisis. Abt supported Ukraine's Ministry of Health in launching the country's first interagency telemedicine working group and building the foundation for nationwide virtual care. We assessed implementation readiness, advised on organizational and technical frameworks, and convened stakeholders to align on policy and governance. Abt provided training and 24/7 tech support to providers and patients.

One of the key challenges in Ukraine's telemedicine rollout was the lack of interoperability among existing digital health platforms. Multiple systems were in use across public and private providers, but they operated in silos, with no shared data standards or integration pathways. Abt addressed this by supporting the development of national technical guidelines and governance structures to ensure telemedicine tools could exchange information seamlessly — laying the groundwork for a unified, scalable, and sustainable digital care ecosystem.

## Modernizing Sensitive Case Data for National Oversight

Client: Department of Justice (DOJ)

Abt developed the Prison Rape Elimination Act (PREA) Online Audit System (OAS) to support DOJ's nationwide audits of confinement facility safety. The FISMA-compliant platform enables secure exchange of sensitive documentation—including PII and PHI—across thousands of facilities and auditors. It transforms unstructured case data into searchable datasets, improving audit consistency and accountability. With strict access controls, built-in data validation, and scalable reporting tools, the platform supports sensitive, high-stakes decision-making.

## Rapid, High-Volume Data Processing for Public Health Surveillance

Client: Centers for Disease Control & Prevention (CDC)

To support CDC's urgent COVID-19 research across large-scale studies, Abt managed and streamlined massive daily data flows, delivering clean datasets and supporting fast-turnaround analyses. We stood up dedicated data quality teams, built digital tools to accelerate reporting, and automated data cleaning processes to keep pace with evolving pandemic needs. Our ability to extract high-fidelity insight from chaotic, high-volume inputs mirrors DHA's need for real-time, trusted data to inform clinical and operational decisions.

# For More Information

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