

Digital Transformations



**BOLD
THINKERS
DRIVING
REAL-WORLD
IMPACT**

Digital Solutions

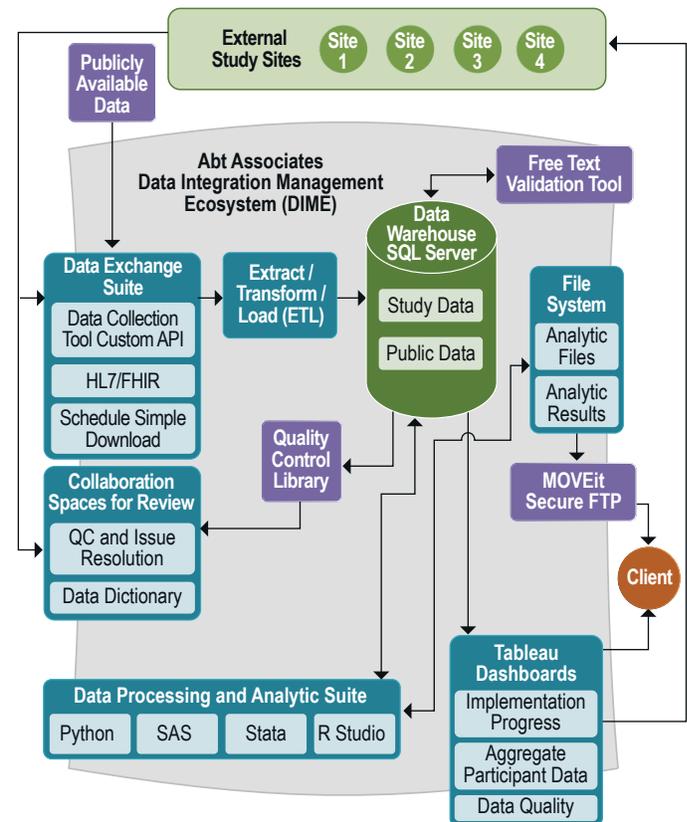
Working to solve the world's toughest challenges through solutions based at the intersection of digital technology and subject matter expertise.

At Abt, our technology teams deliver digital solutions with the power to transform systems, policy, and lives.

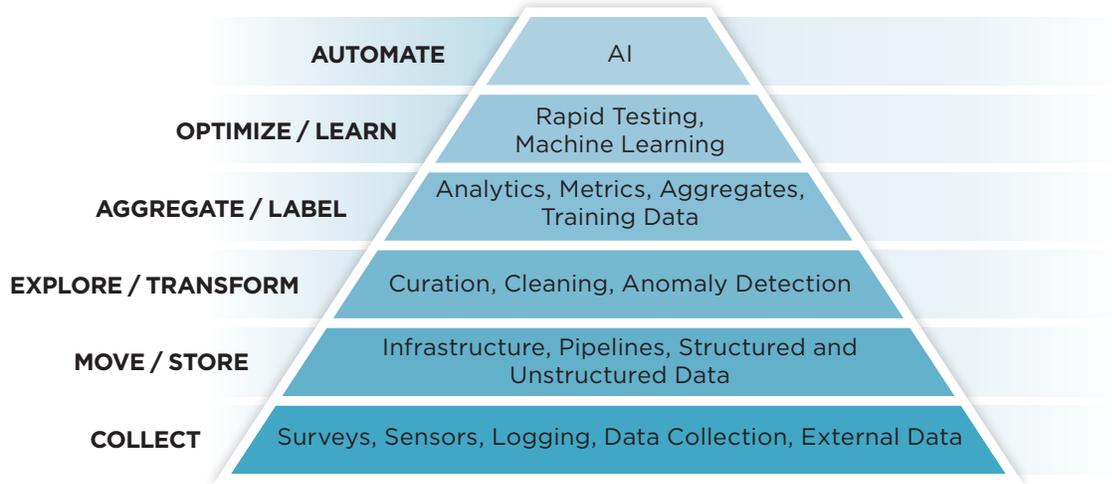
Our teams architect digital solutions using agile and human-centered design practices, coupled with deep data content and subject matter expertise. We deliver digital solutions using robust change management practices, a large partner ecosystem, and embedded security policies.

Our nearly 60-year record of solving tough challenges stems from creative use of emergent technologies, including:

- Cloud Computing and Hybrid Cloud Environments: Abt is an Amazon Web Services Advanced Public Sector Consulting Partner.
- Automation: Abt's Digital Technical Assistance platform speeds workflows.
- Quality Certified: With our ISO-9001 and CMMI V2.0 Level 2-Dev certifications, Abt Associates can ensure IT security and quality.
- Geographic Information Systems (GIS): Abt uses GIS to deliver user-friendly, web-based mapping applications.
- Hybrid Communication Channels: Abt's Virtual Omnichannel Integrated Citizen Engagement ecosystem mixes cloud-based technology and skilled personnel.
- Platforms: The Data Integration and Management Ecosystem (DIME), an Abt designed solution, is a suite of interoperable tools for high-quality, rapid data processing and analysis.



Abt Associates' Data Science Hierarchy of Needs



Data Science and Analytics

Data practices, rooted in digital trust, are at the core of all Abt digital solutions.

Abt works to ensure that clients have the right data and resulting insights and recommendations to inform their decision making.

Abt Associates integrates data science and technology capabilities for its clients to harness the power of data to inform decisions that can have social impact around the globe. Our staff provides end-to-end data services. Our statisticians, economists, and computer and data scientists work with subject matter experts to design studies and gather data to reach project goals. We devise sampling designs for surveys and observational studies and design clinical trials—all with an eye toward accuracy, equity, and agility.

We also draw insights from existing data. We work with public and nonpublic sources using either single data sources or augmenting data with secondary sources (Census, etc.) to form new insights.

Speciality data services at Abt include:

- Web-scraping publicly available information and processing unstructured data into usable formats;
- Advanced natural language processing (NLP) of open text data;
- Machine learning (ML), artificial intelligence (AI), and predictive modeling for quantitative data;
- Causal modeling for impact assessments and evaluations.

Digital Insights

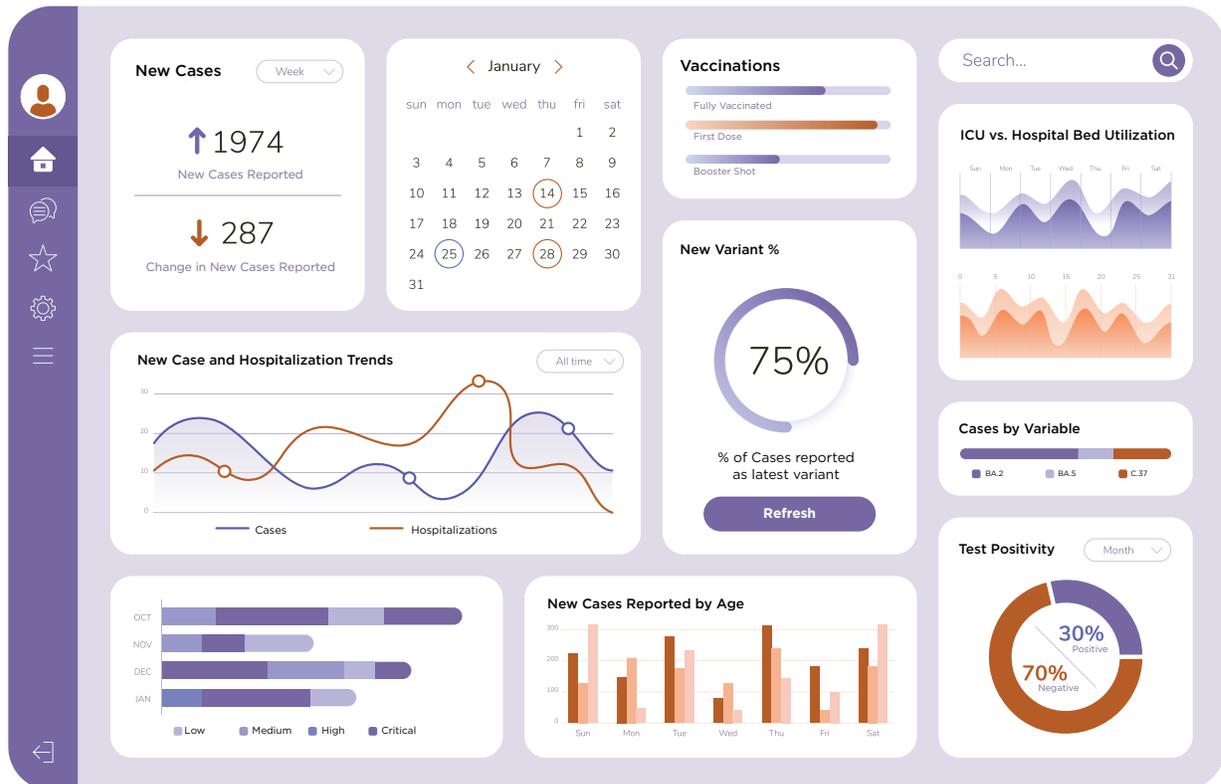
Abt solutions incorporate and prioritize the needs of key stakeholders and users.

Our clients understand and use our technical solutions and end users benefit from them because we begin the design process with them in mind.

Abt teams work to understand the needs of the users impacted by, consuming, and benefiting from our solutions. Our human-centered design methods produce user-focused experiences and digital journeys that collect and incorporate feedback throughout and after development.

We specialize in creating analytic visualizations that provide the needed data, rather than endless dashboards and confusing graphics. Our teams have experience creating visualizations and data products using:

- Esri – ArcGIS
- Tableau
- Power BI
- Plotly





The Abt Advantage

Abt Associates' innovative approach, combining subject matter experts with digital services and systems integrators, enables a bold approach to our solutions. We capture high-quality data from a range of sources and use rigorous methods to analyze, communicate, and contextualize data. The result: insights that inform clients' critical decisions.

Digital Transformation at Abt

Data underpins all digital transformations Abt leads. We help our customers gather, access, analyze, and store data they need to solve complex problems. Our rigorous processes governing data management, governance, and security build the foundation of trust with our customers.

Our solutions help customers unlock new value by using new tools and digitizing or automating key service-delivery processes to improve efficiency and accuracy. Our human-centered design and user experience approaches ensure we deliver useful quality products and services. The best solutions are the result of working with clients to tell their story.



Abt Associates applies a multi-sectoral, evidence-based approach to deliver resilient, sustainable and equitable solutions to complex problems in health, social and economic policy, environment and climate change, and international development.



In 2019, Abt became the first U.S. Government Implementing Partner to Meet Global Standards for Gender Equality. In 2020, we achieved stage two for expanding flexible work and organizational culture policies and initiatives, resulting in a workplace that fosters greater gender equality.



Abt earned Climate Registered Platinum status, the second highest tier, from The Climate Registry by publicly reporting a third-party verified greenhouse gas (GHG) emissions inventory for our operations. The data enable us to track our climate initiatives and GHG reductions credibly over time. The Climate Registry is a nonprofit organization that operates the Carbon Footprint Registry, North America's largest voluntary registry for GHG emissions.

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bdu@abtassoc.com

PARTNER WITH US

abtassociates.com/registry

