AIP4HEALTH
ACCELERATING HEALTH ANALYTICS
POWERING DECISIONS WITH HEALTH ANALYTICS

When healthcare operates in silos, no one clearly understands how outcomes are being shaped: in people’s homes, in clinical settings, by public health policy and reimbursement programs, and through research and development. To gain big-picture insights, it’s important to study the entire health ecosystem. Advanced health analytics helps achieve both the broader view and deeper understanding needed for better decisions – and better outcomes.

**FEDERAL AGENCIES HAVE A KEY ROLE TO PLAY:**

**ACCELERATE SCIENTIFIC DISCOVERY**
Too often, researchers rely on manual processes and disjointed data collection. By automating workflows and streamlining data access and management, agencies foster more effective collaboration and accelerate scientific discovery.

**UNDERSTAND BOTH GENETIC AND SOCIAL DETERMINANTS OF HEALTH (SDOH)**
The healthcare industry is increasingly able to delve into the genetic and social factors that shape an individual’s health. These insights are critical to identifying and addressing the root causes of many diseases and conditions. In some cases, treatments will be medical; in others, they will be social supports. Across the board, these data-driven insights support the shift to person-centered care.

**BROADEN HEALTHCARE ACCESS**
With the wealth of data and devices now at our disposal, healthcare delivery extends well beyond the traditional boundaries of a face-to-face visit in a medical office. By analyzing patient data, we may proactively engage individuals with relevant information and recommendations. And we empower them to reach out through their devices – giving them convenient and quick access to healthcare resources they need.

**IMPROVE CLINICAL DECISIONS**
Machine learning helps identify trends and make predictions that would be undetectable to the human eye. These advanced insights enable physicians and other clinicians to further increase confidence when making diagnostic and treatment decisions.
AIP4HEALTH

More than a decade in the making, Accenture Insights Platform for Health pre-integrates virtually every function needed to power advanced health analytics, including data ingestion, management and security tools, as well as a patented patient de-identification capability.

AIP4Health swiftly tackles longstanding data access, management, and privacy and security barriers – empowering agencies to implement and realize value from advanced analytics in a matter of days and weeks, not months or years.

ACCESS AND CONTEXT
Scientists around the world are running experiments in data silos. AIP4Health makes it easy to ingest and share data across multiple experiments. What’s more, the system can automatically add context without human intervention – creating linkages and notifications so scientists can better learn from and collaborate with each other.

DEEPER INSIGHTS
Gathering and preparing data are prerequisites to the real value of health analytics – generating a deep understanding of the information. AIP4Health brings machine learning, visualizations, and other tools that augment human expertise to help agencies extract meaning from everything – from pathology images and medical claims to clinical trials data.

GREATER EFFICIENCIES
From scientists running algorithms manually to cleanse data to clinicians searching a database for therapeutic interactions, many data-related tasks steal time from mission work. AIP4Health automates much of that work so that health practitioners may focus on what truly matters.

DECISION IMPACT
Good data science brings information to support decision makers. What’s often lacking is feedback on decisions after they are made. AIP4Health automatically captures and processes data across the enterprise and the wider health ecosystem so leaders may see the implications of decisions on mission outcomes.
**Patient Services**

Tap into electronic medical record (EMR) clinical data, along with digital health, patient-reported outcomes, socio-economic, physical, behavioral, and genomic data to create and analyze integrated patient records. With a fuller picture of the patient, healthcare providers can make more informed diagnostic, treatment, and follow-up decisions. When providers see potential obstacles – lack of transportation, inability to visit a pharmacy, or a history of non-adherence – they may offer more comprehensive supports to a patient.

**Clinical Reviews**

Automate reviews of hundreds of data points to more efficiently and accurately adjust risk, monitor quality, manage utilization, and prevent fraud, waste, and abuse. These insights help in understanding effectiveness of the clinical work being done. It also makes it possible to compare providers, identify best practices, and pull those practices through to other providers.

**Provider Analytics**

Embrace a data-driven approach to network and capacity planning, patient care management, provider-payer contract modeling, high-cost claimant tracking, medical spend analysis, and more. Existing EMR systems are static, requiring providers to enter codes manually. With the support of natural language processing, physicians can enter notes more quickly and comprehensively – providing important data points for health analytics.

**R&D Workflows**

Connect researchers with software and service providers to share data and capabilities – helping accelerate scientific advancements. Too often, bench scientists need to be computer scientists. AIP4Health helps alleviate the need for manual programming and complex data pipelines. It automates the manual work, enabling researchers to focus on the science.

**What Value Will You Create with AIP4Health?**

The ability to power decisions with health analytics is within reach. Accenture is here to help agencies break through siloes, automate data management, and realize the potential of big-picture health insights.

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**About Accenture Federal Services**

Accenture Federal Services, a wholly owned subsidiary of Accenture LLP, is a U.S. company with offices in Arlington, Virginia. Accenture’s federal business has served every cabinet level department and 30 of the largest federal organizations. Accenture Federal Services transforms bold ideas into breakthrough outcomes for clients at defense, intelligence, public safety, civilian, and military health organizations. Visit us at [www.accenturefederal.com](http://www.accenturefederal.com).

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**About Accenture**

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