



accenture

# ACCENTURE INSIGHTS PLATFORM

## AIP4Health

The Accenture Insights Platform (AIP) is a cloud-based, end-to-end analytics solution designed to simplify development and deployment, and deliver real-time, actionable insights. AIP4Health offers customizable analytics-as-a-service to federal agencies that lowers cost and risk while vastly increasing best-of-breed analytic capabilities.

## WHAT IS AIP4Health?

AIP4Health is a FedRAMP Moderate platform-as-a-service (PaaS) solution that provides all the functions federal agencies need for a complete analytics practice. Tools including data ingestion, management and security tools, artificial intelligence, predictive modeling, data normalization, ETL functions, and a patented patient de-identification capability are pre-integrated to power advanced health analytics. An agency that deploys AIP4Health will save significant up-front time versus trying to deploy and integrate individual tools in its ecosystem.



## DATA MANAGEMENT

Capture disparate sources of data, including HL7 FHIR resources, with integrated data management.

## VISUALIZATION

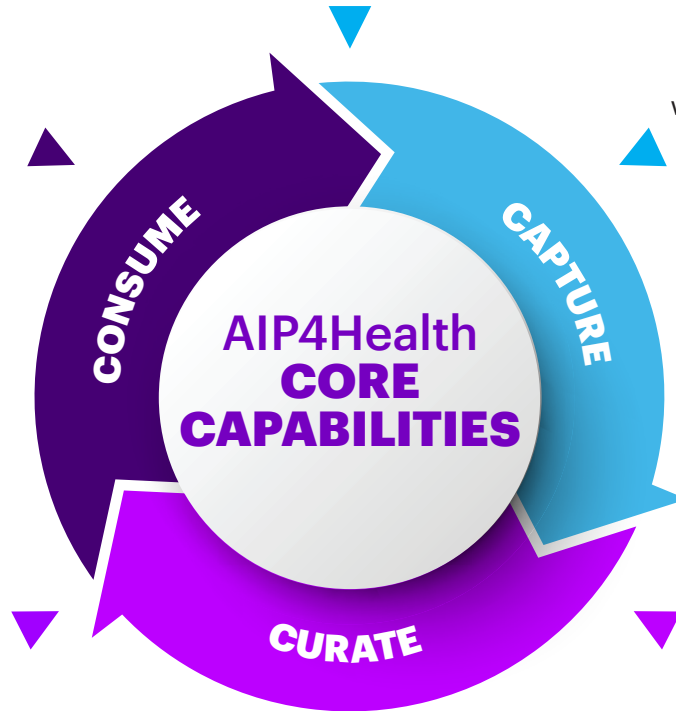
Consume “data as information” with analytical visualization tools (integrated with the industry’s best visualization tools that support data analytics and reporting).

## DATA STORAGE

Optimize cost and speed with a pre-defined toolset that helps agencies store data in standard cloud repositories and supports an array of technologies.

## MODEL AND SERVE

Conduct data modeling in a warehouse or data lake (across technology solutions), as well as prepare data for reporting.



## ANALYTICS

Conduct complex analyses at scale with AI/ML tools, along with data analytics that supports big data architecture.

### SMARTER

#### Best-of-breed Technology

**AIP4Health is not just a single tool.** It’s a suite of tools – **over 100 analytics applications and 440+ data sets.**

Offered as platform-as-a-service (PaaS), there’s no need to worry about licensing or which one tool works best.

We offer them all as part of **AIP4Health.**

### FASTER

#### Rapid Provisioning and Deployment

Start in days, go live in weeks. Use rapid provisioning to add new users or technology.

#### Proven Solution Accelerators

More than 100 solution frameworks available today to accelerate time to value. Build new no-code apps using an integrated Agile development environment.

### EASIER

#### Pay-as-you-go Pricing

Eliminate large upfront expenditures and pay for only what you need.

#### Single Point of Accountability

Save time and money while avoiding the effort needed to procure, negotiate, and manage multiple licenses. Also avoid lengthy license commitments.

#### Comprehensive Support

Includes support by engineers, data scientists, and solution architects, as well as a dedicated, U.S.-based support center.

### MORE SECURE

**AIP4Health** is FedRAMP Moderate and hosted within AWS GovCloud and Azure for Government. Built upon best practices by Accenture and our cloud partners, it offers centralized security monitoring and management.

# BENEFITS OF AIP4Health

## **No Vendor Lock.**

Because AIP4Health uses an open and standards-based component architecture, there is no vendor lock-in or proprietary data formats for ingested data. This architecture allows our clients to have full transparency when sharing data and data models across stakeholders and agencies. Workflows and models can be easily exported from the platform and shared with other business intelligence software.

## **FHIR First, API Focused.**

Using FHIR standards as a foundational capability, data is discoverable, interoperable, and computable while maintaining integrity. With AIP4Health's model, data is easily shared across applications and organizations. The AIP4Health architecture provides off-the-shelf commercial and open-source components to address analytics and business intelligence functionality. This allows seamless integration with existing analytics solutions and the fast deployment of leading-edge data models.

## **Multi-Cloud Capability.**

AIP4Health may be integrated with multi-cloud environments and may be deployed on AWS or Azure. The platform makes use of core native services in the deployed cloud, to include cognitive services for advancing AI/ML. This allows agencies to make use of new services from cloud providers when new technology is deployed.

## **Secure, FedRAMP Moderate.**

AIP4Health allows the easy integration of new FedRAMP compliant components. This allows our clients to easily expand and adapt the platform as the business intelligence and data science needs evolve.

## **Competitively Priced.**

AIP4Health has highly competitive pricing with flexible commercial pricing models depending on the components to be used and the number of users that work with the platform. Government agencies may focus on their mission needs — only paying for components and usage, while having the flexibility to scale over time as new use cases are needed.

# AIP4Health SAMPLE USE CASES



## PATIENT SERVICES

Tap into different types of data to create and analyze integrated patient records. Data may include EMR clinical, digital health, patient-reported, socio-economic, physical, behavioral, and genomic. With a comprehensive picture of the patient, healthcare providers can make more informed diagnostic, treatment, and follow-up decisions.

## R&D WORKFLOWS

Connect researchers with software and service providers to share data and capabilities – helping accelerate scientific advancements across organizations.

Too often, bench scientists need to be computer scientists. AIP4Health helps alleviate the need for manual programming and complex data pipelines. Process automation of high-volume, manual work empowers researchers to focus on the science.



## 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.

Insights help agencies understand the effectiveness of clinical work. It also makes it possible to compare providers, identify best practices, and pull those practices through to other providers.

## PROGRAM EVALUATION AND COORDINATION

Support public health leaders and service providers seeking to better coordinate constituent services and care across multiple programs. AIP4Health may be used to focus on program outcomes and improving population health. Client segmentation features allow analysts to interactively explore the correlation between specific programs and desired outcomes for overall effectiveness. Forecasting simulation helps policymakers evaluate the potential cost/benefit ratio of various assistance packages in helping constituents achieve long-term self-sufficiency. This framework includes advanced visualizations, demographic and program characteristic segmentation, and in-app alerting for case workers.



# EXAMPLE DASHBOARDS

Since its launch in 2015, AIP has been proven in scaled implementations for 500+ clients across 17+ countries as an end-to-end solution that simplifies the development and deployment of delivering real-time, actionable insights.

**FIGURE 1**

Data showing percent of COVID-19 positive patients and their comorbidities.

**FIGURE 2**

Data visualization of mental health indicators on Reddit posts categorized by sentiment.



**FIGURE 3**

Heat map tracking adherence to diabetes care. Ensuring adherence to best practices will proactively improve care quality and efficiency, engage populations and manage health outcomes.

# AIP4Health IN ACTION

## TransCelerate

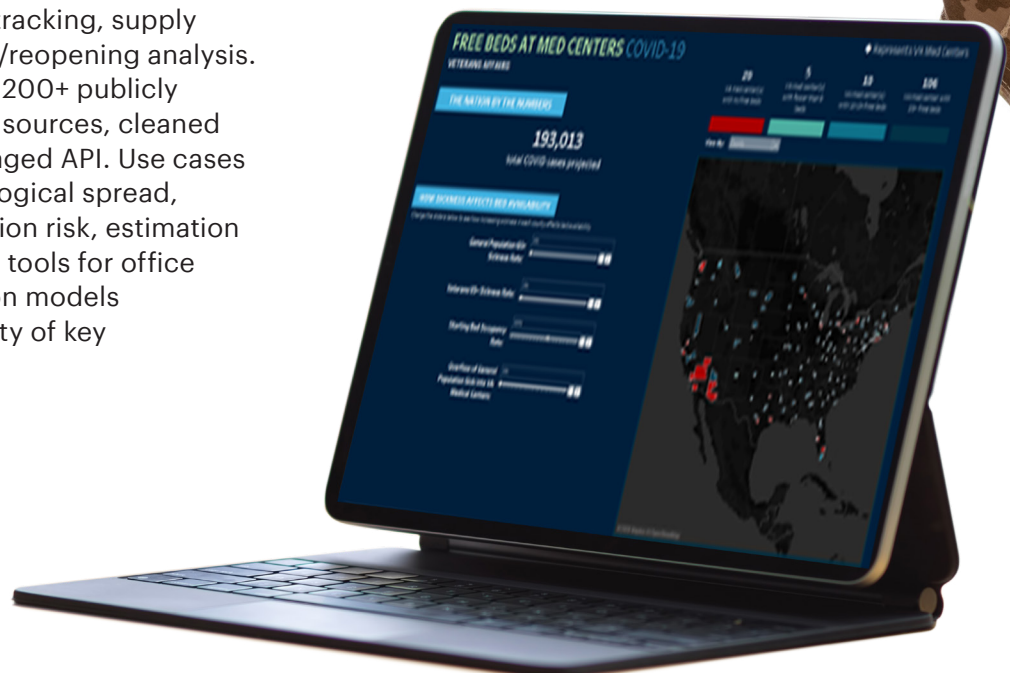
The global consortia of leading biopharmaceutical and research organizations selected AIP4Health as the platform technology for their DataCelerate® platform that allows members to share [COVID-related clinical trial and scientific research datasets](#) with each other easily. In other therapeutic areas, data shared via DataCelerate® has already been used to reduce the number of patients in clinical trials, improve trial design, assess safety signals, increase knowledge of disease and treatments, and improve the understanding of global patient populations.

## U.S. Department of Veterans Affairs (VA)

VA partnered with Accenture to take patient-generated data (PGD), EHR, and environmental data to provide actionable insights to veterans, healthcare personnel, and the enterprise. Using AIP4Health, Accenture created the ability to aggregate data from multiple sources to include patient data into a 360 view of patients to help self-care and care management. Accenture helped VA look at data utilization (not data collection) across clinical, administrative, and population care areas.

## Federal and State Government

AIP4Health is being used by governments at the federal and state level to manage **COVID-19 response**. At the start of the pandemic, Accenture quickly pivoted to build COVID-19 response capabilities into AIP4Health to help agencies rapidly stand up data analysis for case tracking, supply chain management, and impact/reopening analysis. Accenture integrated data from 200+ publicly available COVID-19 related data sources, cleaned and joined into a real-time managed API. Use cases include estimation of epidemiological spread, asymptomatic tracking, population risk, estimation of employee exposure, scenario tools for office reopening, and device projection models that track and forecast availability of key medical equipment.



**FIGURE 4**  
Our COVID-19 dashboard shows bed capacity at medical centers.

# WHY AIP4Health

In an increasingly complex and fast-moving world, health agencies face unprecedented challenges keeping pace with change, improving services, and tackling some of the biggest problems our society faces. The good news is that there is now a whole new set of analytic tools and methods to help agencies better understand these challenges and make informed decisions that will deliver real impact, now, and in the future.

In the face of rapid change, agencies are now more agile by adopting as-a-service approaches to procuring the technical tools and analytics expertise needed to stay ahead of the curve. To be effective, analytic solutions need to deliver on-demand, pre-integrated data access, as well as analytics and visualization capabilities, in a secure, scalable environment. These are the essential tools enabling agencies to create an impactful and insight-driven culture.



## 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

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology, and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions—underpinned by the world's largest delivery network—Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With 505,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at [www.accenture.com](http://www.accenture.com).