

Accenture health insights platform on AWS

Unlock insights to understand and solve Health and Human Services challenges



Many Health and Human Services agencies have encountered barriers to effective use of analytics:

Inability to integrate data from a myriad of sources

An abundance of data but insufficient tools to derive actionable insights

Projects that take too long to get off the ground and deliver results

The Accenture Health Insights Platform on AWS overcomes these and other obstacles—bringing together everything you need to quickly and effectively unlock the value of data using advanced analytical tools aimed at your organization:



Market-leading technologies.

The Accenture Health Insights Platform on AWS is based on an ecosystem of market-leading data analytics, electronic data warehouse technologies and cloud tools that optimize programmatic reporting and advanced analytics. This solution is offered as a Platform-as-a-Service (PaaS) in a high-trust, FedRAMP-compliant environment.



Diverse data sets covering all 50 states.

Accenture has curated public and de-identified member-level data sets that cover demographic characteristics, leading causes of death, population health, healthcare spending, access to healthcare, healthcare systems, social and economic environments, public health and prevention, and physical environments. The platform also ingests and distills social media, medical notes, machine data and other forms of unstructured data. The data blends social determinants of health (SDoH) data at scale which is critical to generating an analytics-ready data set that is primed for insight.



Readymade dashboards that deliver insights in key areas.

The platform also features a growing set of standard visual dashboards—including the National Health

Assessment tool that allows users to explore 450+ measures of health down to the neighborhood level, including community factors such as housing affordability, lead exposure risks, racial and ethnic segregation of neighborhoods, and income inequality. Users can also examine educational attainment and school quality statistics, opioid overdose and death rates, and violent crime rates in addition to more traditional clinical information such as rates of obesity, diabetes, or hypertension.



Access to data science experts for advanced data modeling.

Accenture's team of data scientists collaborate with multi-disciplinary teams to apply their expertise to the platform's advanced data modeling tool sets (using machine learning and artificial intelligence tools) to perform additional healthcare and predictive analytics.



Flexibility to add more data sets and new technologies.

As a Platform-as-a-Service offering, the Accenture Health Insights Platform on AWS is designed to evolve as technology innovations emerge, new data sets become available and new challenges and questions demand investigation.

Insights at your fingertips



SDOH index

Uses 35+ measures to provide relative county rankings to indicate community health.



Risk index

Uses publicly available data to identify communities at higher risk of opioid addiction.



Risk adjustment

Reviews medical records and HL7 messages to inform risk-adjusted reimbursement.



National health assessment

Provides comprehensive, actionable health and wellbeing assessment at a state, county and community level.



Intelligent benefits

Performs extraction, review and evaluation of plan details and benefits.



Utilization management

Performs intake and clinical review of authorization forms for prior, post and concurrent review to recommend the medical necessity of a procedure.

Move from data to insight to actions to outcomes

Medicaid: The Accenture Health Insights Platform on AWS provides a fast track to deeper, more nuanced understanding of Medicaid beneficiaries – including top cost beneficiaries, co-morbidities that may be affecting utilization and managed care organization performance. The platform also provides a suite of tools and capabilities for continually exploring questions and hypothesis about how best to serve beneficiaries by analyzing the interventions are most effective. Whether using standard dashboards or performing more in depth analysis, get the right insights you can act on to improve outcomes that matter to the lives of your beneficiary population.

Human Services: The Accenture Health Insights Platform on AWS provides a fast track to deeper, more nuanced understanding of the people you serve – including social determinants of health that impact risk factors for applications to benefit program, such as SNAP and TANF. The platform also provides a suite of tools and capabilities for continually exploring questions and hypothesis about how best to serve your citizens and how to leverage other social programs. Whether using standard dashboards or performing more in depth analysis, get the right insights you can act on to improve citizen experience and factor in both health and human services indicators.

Department of Health: The Accenture Health Insights Platform on AWS provides a fast track to deeper, more nuanced understanding of your citizen population – including epidemiological analysis/hot spots, factors that

may be influencing citizen health, and population health. The platform also provides a suite of tools and capabilities for continually exploring questions and hypothesis about how best to serve your citizens and what programs or grants can target key legislative priorities. Whether using standard dashboards or performing more in depth analysis, get the right insights you can act on to improve outcomes that matter to the lives of the people in your state.

State of Louisiana

To assist the State in obtaining a complete, accurate, and up-to-date visibility into relevant COVID-19 data, Accenture deployed the Health Insights Platform, or Applied Intelligence Platform (AIP), a pre-configured set of data and analytic technologies based on Amazon Web Services. The environment can be provisioned quickly and available to State resources in a matter of days. The platform provides a more detailed level of visibility and includes existing insights that can be customized for the needs. The platform is a cloud-based, end-to-end analytics solution designed to simplify the development and deployment of analytic solutions, and deliver real-time, actionable insights. AIP includes pre-integrated components that comprise the full analytics technology stack: data ingestion, storage, analytics, and visualization in a single, secure, Hi-Trust AWS Cloud environment. The platform was deployed using pre-integrated and tested software components, including Python, Microsoft R, Tableau and Redshift, and can be rapidly expanded to include additional data analytics software packages. In addition to the platform, Accenture created a set of readily available Accelerators, including a series of pre-built COVID-19 Contact Tracing operational and public health dashboards. This approach reduces the time,

cost and risk associated with developing and deploying the platform. The scope of work delivered the following dashboards that refresh regularly and are customized for the State of Louisiana:

Operational Analytics Contact Center dashboards are operational in nature, allowing viewers to visualize over 40 measures related to response time, handle time and effectiveness of the contact center. These dashboards make it easy to identify areas that are lagging so that leadership can step in as necessary.

Operational Analytics Contact Tracing Performance standardized interactive reports that enable and empower supervisors and operations leaders to manage contact center performance public health imperatives based on, track training opportunities.

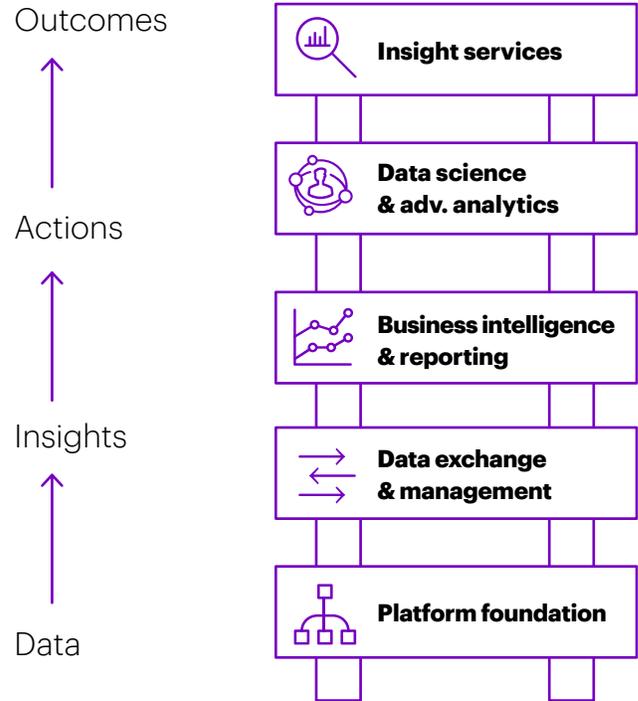
Community Outreach Index provides an analysis of outreach rate by region (Community, Parish and/or town), overlaying COVID-19 positive test rate, social, clinical and other demographic data in order to drive increased pick-up rate for the Contact Tracing Program and measures to deliver messaging to the public.

The Program Impact Analysis reports include analytics leveraging Public Health data to understand the impact of contact tracing across communities with an emphasis on equity and vulnerability of communities.

The Program Impact Analysis is focused on impact of the overall tracing initiative on reducing speed of transmission, focused efforts around vulnerable population and contact tracing lifecycle (Symptom date first interviewed date case closed date) Data is broken down by ZIP and date to understand progression of contact tracing compared to the progression of COVID-19.

In addition to the readily available dashboards, the analytics platform provides capabilities that allow the State to augment existing or develop new analytical models and insights to support strategic and tactical decision making beyond contact tracing to support other COVID-19 initiatives.

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Learn more



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