

# Unlock New Insights With Data Science as a Service

## Deploy Compliant Health Analytics at Scale to Drive Performance and Quality

### Enable Permissioned Data

The process of using regulated health data with social determinants of health (SDoH) data has historically been manual, slow, and fraught with compliance challenges.

Change Healthcare's new Data Science as a Service (DSaaS) addresses these issues by pre-integrating data sets and consistently monitoring adherence to privacy and compliance requirements. You can now build unique, predictive models that enable timely, powerful analysis of healthcare cost, quality, and engagement data—and rest easy that compliance requirements are addressed.

### Combine Your Data With Ours

DSaaS provides deidentified healthcare claims data—enhanced with SDoH, behavioral health, and other novel data sets—in a secure, hosted cloud, purpose-built for your organization. The service lets you combine your data with insight-rich, deidentified data from Change Healthcare's 15 billion

annual healthcare transactions to help you build predictive models, perform state-of-the-art analytics, and create relevant messages to engage your audiences.

### Enjoy a Custom Data Environment

Our DSaaS team builds a unique, proprietary data environment for your organization. We incorporate your data sets and any third-party data sets you wish to use with deidentified data from our medical, pharmacy, dental, and lab claims. Personal identifiable information (PII) is tokenized to protect patient privacy and help ensure near real-time HIPAA compliance.

### Leverage Timely Healthcare Data

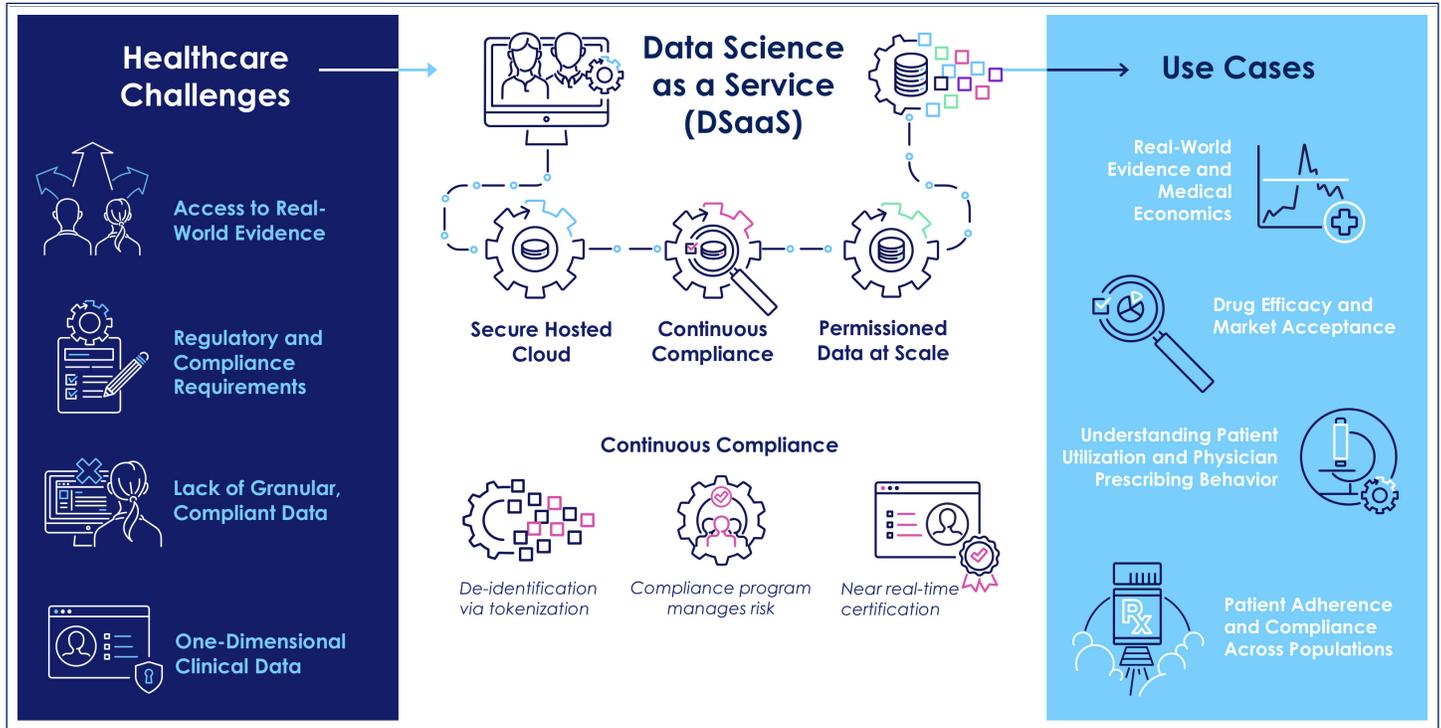
Our comprehensive data spans tens of billions of deidentified healthcare events, including diagnosis, medical procedures, prescriptions, and social determinants of health. This allows you to improve analytic depth, timeliness, and predictive power, especially when new or diverse data is required or when compliance review is manual.

### Gain Timely Insights

- **Leverage comprehensive and timely national healthcare data** spanning tens of billions of deidentified healthcare events, including diagnosis, medical procedures, prescriptions, and SDoH.
- **Develop unique analytic solutions** for use with value-based reimbursement initiatives, new drug launches, and targeted advertising.
- **Integrate diverse new data**, such as SDoH, to determine how ethnicity, health literacy, household composition, and other factors impact your RWE/HEOR measures.
- **Improve analytic depth, timeliness, and predictive power**, especially when new or diverse data is required or when compliance review is manual.
- **Discover unprecedented insights** with granular views across geography, care settings, therapeutic areas, and reimbursement models.
- **Help ensure regulatory compliance** with persistent, automatic monitoring of all activity, including deidentified data requirements and the enforcement of usages which inspire a better healthcare system.



**DSaaS enables more comprehensive analysis of health outcomes using healthcare and social determinants data in a security-enabled cloud service with persistent compliance monitoring.**



**Realize Precise Output With Timely Data**

Within your DSaaS environment, your team can perform analytics or create models on groups of healthcare consumers. You can determine attributes and characteristics to create approved predictive models that provide a scoring algorithm, or formula,

based on decision trees and independent variables.

Your team can use a full range of statistical analysis tools and methodologies—from artificial intelligence and machine learning to classification, segmentation, and measurement—to conduct analysis and gain data-driven insights. Your dedicated Change

Healthcare project manager is available to help you throughout your implementation and as you work within the DSaaS environment.

**Contact us to learn how you can deploy compliant healthcare analytics at scale:**  
[changehealthcare.com/solutions/data-analytics/dsaas](https://changehealthcare.com/solutions/data-analytics/dsaas).