

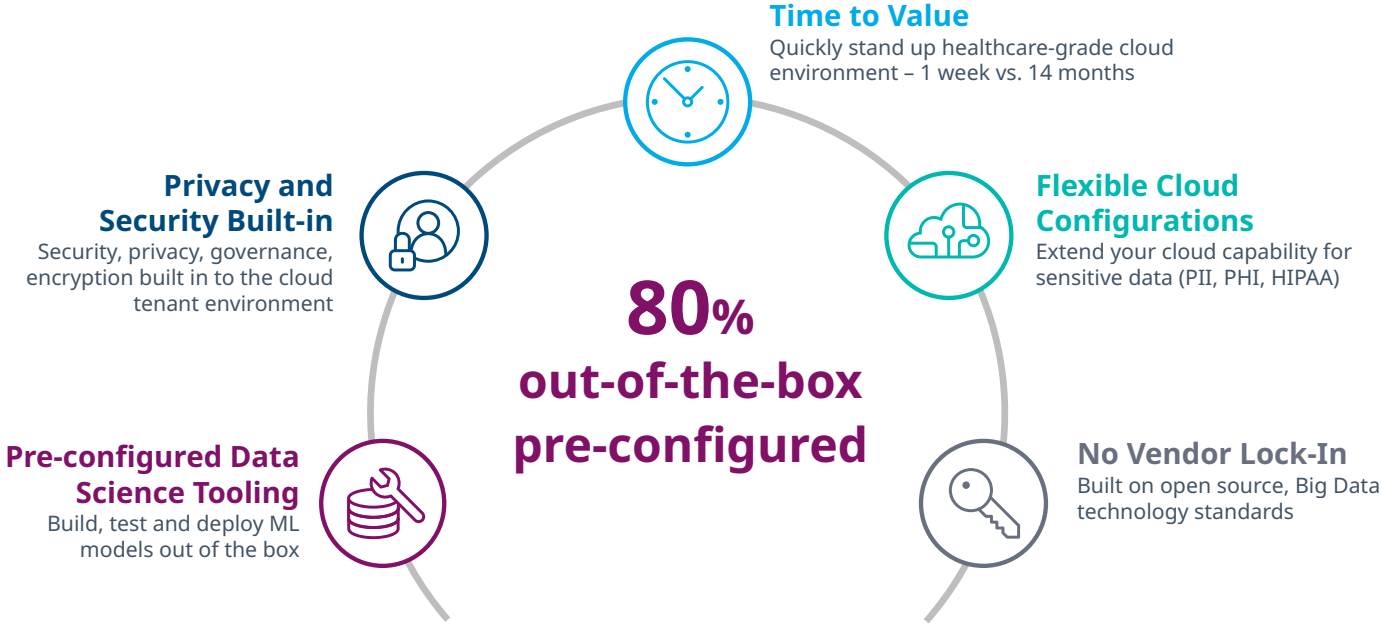
# IQVIA™ HDSC Data Science Platform

*Unlock the value of healthcare data with a secure healthcare cloud environment*

Enabled by the IQVIA Human Data Science Cloud, IQVIA’s Data Science Platform is a modern healthcare cloud with built-in data science tools that provides a secure on-demand data lake environment designed to unlock the power of healthcare data to enable faster access to analytics and insights. Built on open source standards that allow it to be hybrid and multi-cloud, the environment provides the flexibility to scale and migrate data securely to meet your evolving needs, as well as the machine learning and data science tools you need to be productive on day one.

### **QUICKLY AND SECURELY DEPLOY DATA SCIENCE CLOUD ENVIRONMENTS TO ACCESS, MANAGE AND ANALYZE YOUR HEALTHCARE DATA**

The platform is built to meet 80% of data scientist healthcare data needs, out of the box. With privacy and security built-in, you are operational in weeks instead of months or years, avoiding time-consuming and costly system integration. As an open source data lake environment, it can stand on its own or connect to existing cloud capabilities and internal data sources.





*Modern healthcare cloud platform with a secure environment to conduct data science and analytics.*

# Data science tooling and machine learning built-in

With IQVIA's Data Science Platform you get much more than just a private hosted cloud environment. The environment provides a flexible IDE (Integrated Development Environment) utilizing Cloudera's Data Science Workbench, or you can bring your own editor such as Jupyter. Data scientists can build, test and deploy machine learning utilizing R, Python, PyTorch, TensorFlow, Spark, FBProphet, XGBoost or DASK, without needing to set up and manage the environments themselves.






## BUILT ON FOUR PILLARS OF SECURITY

IQVIA's four pillars can protect your sensitive healthcare data including PII and PHI data, and addresses GDPR and HIPAA compliance.

<h3>Authentication</h3>  <p><b>Identity</b> Validating users by membership in enterprise directory</p>	<h3>Authorization</h3>  <p><b>Access</b> Defining what users and applications can do with data</p>	<h3>Governance</h3>  <p><b>Visibility Controls</b> Reporting on where data came from and how it's being used</p>	<h3>Data Protection</h3>  <p><b>Data Encryption</b> Shielding data in the cluster from unauthorized visibility</p>
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## The IQVIA Human Data Science Cloud

The IQVIA Human Data Science Cloud is a unique capability. As one of the largest private healthcare cloud platforms in the world, it is filled with fit-for-purpose healthcare data and powered by AI, machine learning and advanced analytics applications to enable Human Data Science. So you can collect, study, combine and protect data for better decision-making and the ability to move healthcare forward.

<h3>FASTER DATA EXTRACTS</h3>  <p>Specialized Data Engines</p> <hr/> <p><b>60x faster</b> big data extract vs traditional databases</p>	<h3>FASTER DATA MANAGEMENT</h3>  <p>Managed Tech Enabled Services</p> <hr/> <p><b>2x faster</b> managed bridging/coding/reference data management using ML vs traditional systems</p>	<h3>FASTER DATA PROCESSING</h3>  <p>Big Data Technologies</p> <hr/> <p><b>72x faster</b> processing using distributed massive parallel computing</p> <p>Fully automated schema evolution vs manual</p>	<h3>FASTER DATA PROVISIONING &amp; DELIVERY</h3>  <p>Cloud Infrastructure &amp; Tools</p> <hr/> <p><b>10x faster</b> data transfer vs FTP</p> <p>IQVIA data out of the box, no ETL</p>	<h3>FASTER INSIGHTS</h3>  <p>ML Tools on Data Lake</p> <hr/> <p><b>100x increase</b> in analysis complexity using multiple data sets available to ML tools</p>
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**CONTACT US**

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