

Turn distributed data into decision-ready evidence

How federated analytics and learning turn distributed data into scalable insights that move decisions forward

Federated analytics give organizations a way to analyze distributed, sensitive, and locally governed data without centralizing it — creating a strategic advantage by generating decision-ready evidence from more sources, across more contexts, and with greater confidence.

Access is only the starting point

Federation creates value when distributed data can support governed analytics, AI-ready learning, traceable outputs, and reusable evidence across programs.

Federated access

Federated analytics

Federated learning

Evidence advantage

Evidence questions are getting harder to answer

Federation matters because many evidence questions now depend on data that is distributed, sensitive, locally governed, or too complex to move efficiently.

Privacy and governance

AI readiness

Multimodal data

Data sovereignty

Evidence teams

Ask the same question across many data sources

With federated analytics, approved questions are sent to participating data environments. The data stays local, and only approved results come back for review.

Approved question

Trusted research environment A

Trusted research environment B

Trusted research environment C

ONLY APPROVED RESULTS RETURN
Reviewed evidence output

Trusted evidence starts with analytics-ready data

Federation can connect distributed data, but it does not automatically make that data usable. Reliable evidence depends on data that is harmonized, governed, documented, clinically meaningful, and ready for reuse.

Available distributed data

Readiness work

Harmonization

Governance

Documentation

Quality checks

Clinical meaning

Reuse

Analytics-ready evidence asset

Match the evidence approach to the data challenge

Centralized, federated, and hybrid approaches all have a role. One question may be answered in a single approved environment; another may require analysis across distributed data; and another may need a combination of both.

What does the evidence decision require?

Centralized analysis

Hybrid workflow

Federated analytics

Help AI learn from more diverse data — without moving it

Federated learning can help AI models train, test, validate, and improve across diverse data environments while patient-level data remains under local control.

Controlled data access

Analytics-ready data

Federated learning

Auditable AI insight

Close the gap between data access and usable evidence

Learn how federated analytics and learning can help your organization turn distributed access into trusted evidence assets that are usable, reusable, and ready to support decisions across the lifecycle.

Read *The next frontier in evidence generation* to learn how federated analytics and learning can help your organization generate trusted, reusable evidence from distributed data — without moving patient-level data.



Visit bcplatforms.com/federated-evidence

