

# Join a Global Network of Biomedical Researchers to Accelerate Healthcare Innovation *with Flywheel Exchange.*

Biomedical researchers in life sciences, clinical, and academic institutions need access to significant amounts of diverse real-world data to develop algorithms and accelerate discovery, but finding high-quality data is a challenge. Flywheel provides an innovative new solution to connect you to data partners and enable federated data sharing and analysis: *Flywheel Exchange*.

## With Flywheel Exchange ...

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### You can share data to:

- Help advance healthcare innovation through discovery of new treatments, diagnostic tools and improved patient care
- Enhance awareness and reuse of your datasets and comply with NIH Data Sharing policy
- Connect with other researchers for collaborative projects

### You can access data to:

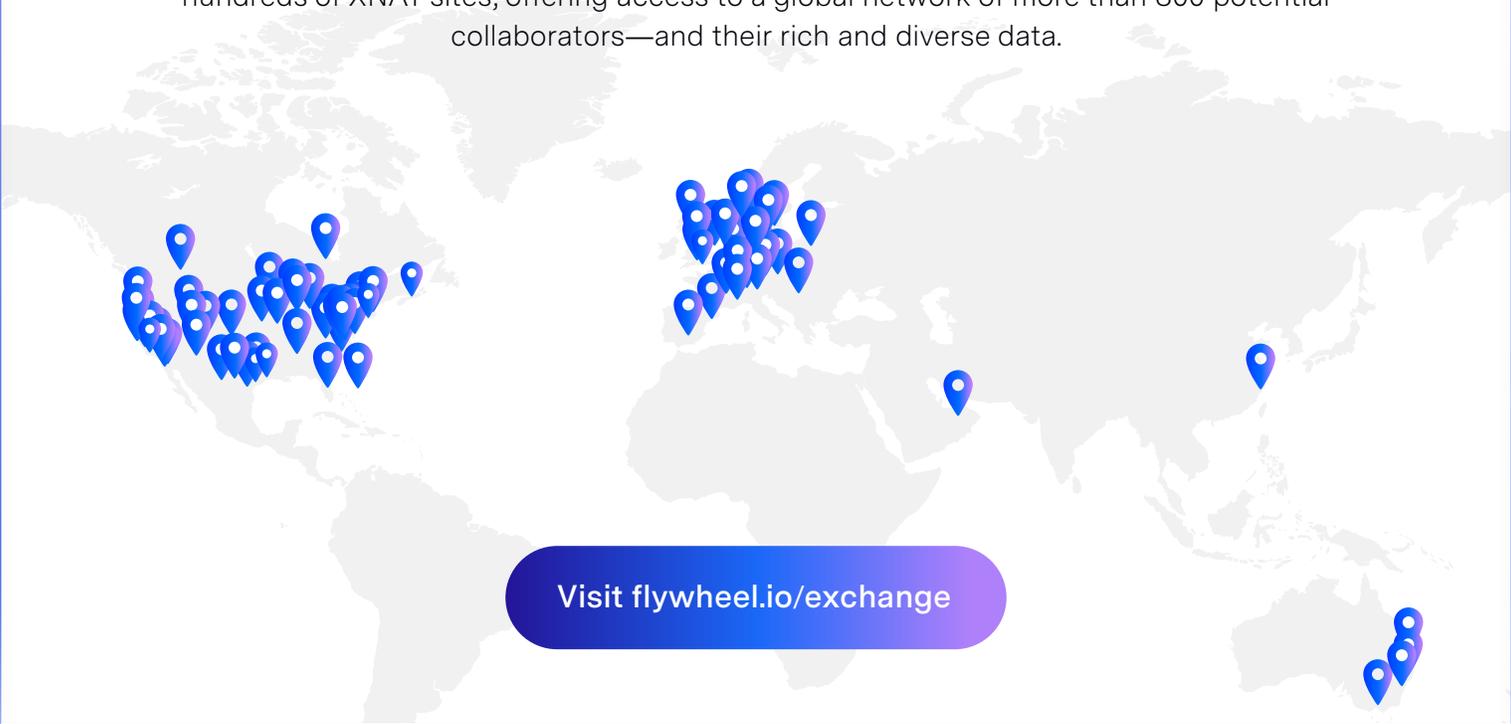
- Test your algorithms on real-world data without the data ever having to move, avoiding concerns with data privacy and security
- Accelerate the development of new treatments and therapies
- Develop better trained AI products that improve patient care and outcomes

### Interested in Federated Analysis and Learning?

Federated processes hold the potential to dramatically change how researchers collaborate and how AI is developed. Flywheel Exchange provides a platform which allows an algorithm to “visit” data for processing or learning while the data stays securely in its original location. Flywheel Exchange integrates with NVIDIA FLARE, Rhino Health, HPE and other technology partners, providing you with the flexibility to choose your preferred federated learning solution.

# A Revolutionary Research Solution for *Accelerating Discovery.*

With the acquisition of Radiologics, the Flywheel network has expanded to include hundreds of XNAT sites, offering access to a global network of more than 300 potential collaborators—and their rich and diverse data.

A world map with numerous blue location pins scattered across North America, Europe, and Asia, indicating a global network of collaborators.

Visit [flywheel.io/exchange](https://flywheel.io/exchange)

## 3 Ways to Leverage Flywheel Exchange:

### Data Exchange

- Access a catalog of available data, including data from opted-in customers, publicly available datasets, and private data available for purchase
- Share or license data under agreement; easily publish summaries or full datasets
- Add data to a federated project, include or exclude projects to create a cohort

### Gear Exchange

- Gears are ready to use plug-in algorithms available on the Flywheel platform
- Gears provide automated workflows for data curation, preparation and processing
- Search for available gears, add gears to a federated project, run gears and process data in a project

### Federated Projects

- Create private projects with collaborators and coordinate execution of projects across different sites
- Send algorithms to different datasets for testing and training
- Leverage outside data in a secure, compliant way that reduces cost and complexity

Learn More. Take Flywheel Exchange for a Spin.