

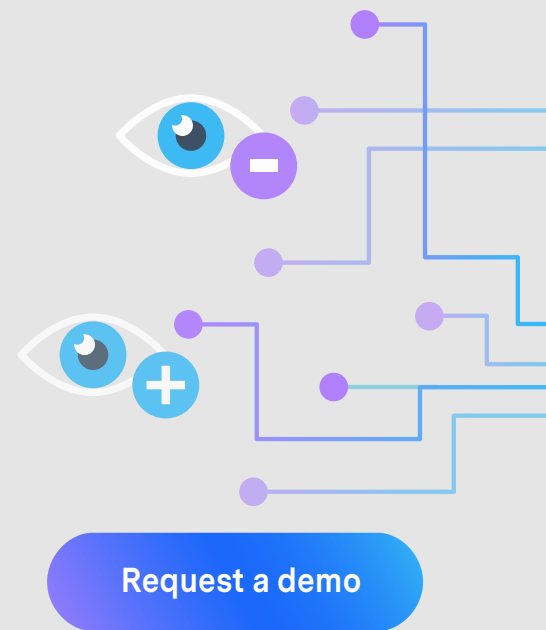
# Streamline ophthalmology data workflows for faster, more efficient research

The Flywheel platform offers ophthalmology-specific capabilities and tools to expedite research.

## An all-in-one ophthalmology imaging solution

Imaging holds the key to breakthroughs in ophthalmology research. Unfortunately, substantial challenges stand in the way of making these advances, from standardizing images across formats, locations and institutions, to managing and interpreting data in a timely manner.

The Flywheel medical imaging platform empowers ophthalmology researchers to get more done, faster, by streamlining workflows, harmonizing data, providing domain-specific viewing and annotation tools, and facilitating validated research for clinical trials as well as supporting AI development. Flywheel's end-to-end medical imaging platform provides life sciences and clinical researchers with a cost-effective way to boost efficiency, for faster results.



### Gain efficiency

Save resources by allowing all parties involved to upload and share data on a secure, HIPAA-compliant platform.



### Standardize data

Curate, classify and convert disparate image sources to DICOM to empower data integration and downstream analysis.



### Get audit-ready

Prepare data for FDA submission with audit-ready functionality for 21 CFR Part 11 compliance.

# Gather, manage and analyze all your imaging data

Flywheel's data management and analysis capabilities power efficient ophthalmology studies.

## Manage & standardize

- Collect and centralize imaging data from multiple devices, locations and institutions.
- Get support for retinal imaging including optical coherence tomography, fundus photography and fluorescein angiography.
- Convert formats from Zeiss, Heidelberg, Topcon, Optovue and Bioptigen devices to DICOM.
- Conduct QA of OCT images.

## View & analyze

- Leverage our built-in, customized viewer with ophthalmology-focused functionality, including an interactive ETDRS grid, specialized retinal annotation tools, B-scan viewport and more.
- Design and implement customizable reader protocols directly within the platform to streamline annotation workflows.

## Security & compliance

- Apply configurable de-identification capabilities during ingestion.
- Maintain security with role-based access control.
- Get fully provenanced data sets with audit trails for 21 CFR Part 11 compliance.

An academic medical center was working with an antiquated, siloed imaging management system that didn't allow for data standardization or centralization.

*With Flywheel's ophthalmology capabilities*, they were able to provide standardized, high-quality qualitative and quantitative reads of color fundus and OCT images (e.g., retinal thickness). These reads include eligibility scans and longitudinal assessments across multiple imaging modalities via a 2+1 adjudication paradigm.

Several pharmaceutical companies utilize Flywheel to conduct annotation campaigns for generating ground truth data essential for AI development. Flywheel empowers these organizations to centralize data collection, automate curation workflows, define cohorts and execute customized reader studies for retinal layer segmentations—all within a single platform. This approach removes data duplication, simplifies workflows, and ensures efficient and consistent data handling. As a result, companies have been able to *reduce annotation timelines from months to days and achieve cost savings of up to 90%*.

*Your unified imaging platform is here.*

Achieve more efficient ophthalmology studies now with Flywheel.

Schedule a demo