

xCures Accelerates Clinical Operations with PrecisionOCR

The Opportunity:

People with metastatic or advanced cancer are often in a race against the clock to find the right treatment fast. xINFORM is a precision oncology platform that offers a quick way for patients to surface treatment options that are best for them. xINFORM uses oncology data in the form of full medical records, collected by xCures, to provide key insights into each person's unique cancer condition. This forms the basis to recommend tailored treatment options that are best suited for each individual patient.

In xCures' original workflow, their clinical operations team, led by Bryan Federowicz, reviewed each medical record to identify relevant pages. This included manually reading and highlighting relevant data points such as diagnosis, medications, omics, radiology reports, ECOG or Karnofsky performance status, and any specific comorbidity conditions that could impact treatment options.

Once extensively reviewed, the team manually entered the data points into their AI engine to complete the treatment recommendation workflow. To assist with optical character recognition, document classification, ontology annotation, and focused data extraction from medical files, the team used multiple off the shelf technologies.

The Solution:

LifeOmic PrecisionOCR's automated Document Splitting and Classification features allow for the clinical operations team at xCures to hone in on the type of document that would be relevant within a large medical record saving the team hours of time perusing each page. Once they have narrowed down the pages of interest, they use PrecisionOCR's Automated Analysis informed by Custom Ontologies to surface particular concepts and highlight relevant patient data points more quickly and accurately.

The Outcome:

PrecisionOCR allowed xCures to consolidate and streamline their tech stack significantly spending less time moving between tools.

With PrecisionOCR, Federowicz has doubled the efficiency of their data team's workflow. The ability to process patients more quickly informs their recommender engine and ultimately, oncology research.

Patients can register for xINFORM at <https://patient.xcures.com/signup>



"The implementation of PrecisionOCR has allowed us to consolidate our tech stack and make our overall workflow 2x more efficient."

Bryan Federowicz
VP of Clinical Operations
xCures

xCures

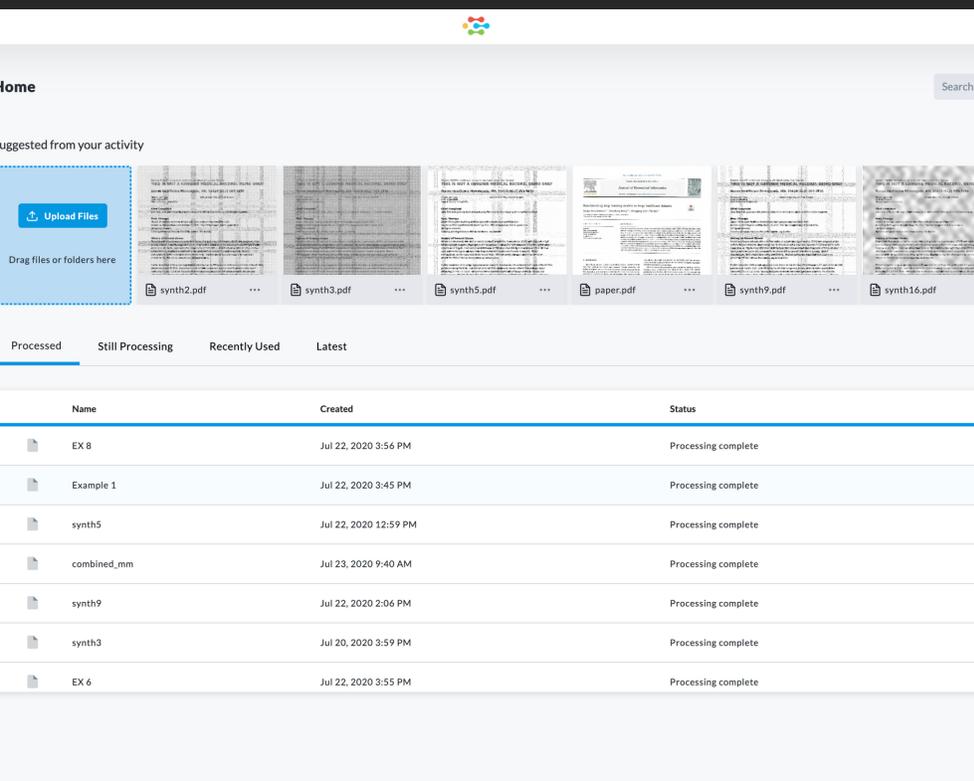
About xCures

xCures' mission is to improve outcomes for cancer patients - one patient, one doctor and one treatment at a time. To learn from every cancer patient in order to radically transform how new advances move from research to the community. Partnering with LifeOmic and utilizing PrecisionOCR allows them to serve more patients and accelerate the learning model that will transform how cancer is treated and improve patient outcomes.

PrecisionOCR for Clinical Operations

By leveraging advanced machine learning algorithms and our secure cloud platform, PrecisionOCR allows your clinical operations team to:

- Improve document intake for referred patients, maximizing knowledge and minimizing administrative overhead.
- Accelerate chart review or research by quickly and accurately homing in on the relevant data points within a large patient file such as medications, conditions, observations, procedures and dates.
- Reduce manual data abstractor time by creating an automated, streamlined and custom workflow that improves efficiency.
- Minimize need to hire additional staff by increasing the number of documents that are structured and actionable through automation.



Benefits

- Bulk upload any size or type of medical document (PDF, JPG, PNG)
- Utilize our Document Classification tool to automatically classify documents like clinical notes or MRI reports
- Convert unstructured data into searchable text or standards-based FHIR objects
- Split documents by classification and export as individual files
- Utilize our library of pre-built Lab Report Extractors to pull relevant lab values
- Customize your data search by uploading Custom Ontologies
- Structure data for review, exporting and visualization in the Precision Health Cloud
- Sleep safely knowing our it is ultra-secure, HIPAA compliant, HITRUST and SOC 2 Certified

The PrecisionOCR technology is fully integrated into the Precision Health Cloud, accessible via CLI, SDK & API endpoints and also available separately as a simple, cloud-based, stand-alone application.