

CASE STUDY

Enabling Individualized Patient Oncology Care

As an oncologist, you understand the need for an in-patient clinical support tool that is quick enough to allow you to keep up with your caseload, provides an up-to-date, valuable patient report for decision making while integrating with the tools you already have today.

About Precision Health Cloud (PHC)

PHC seamlessly integrates genomic, EHR, imaging, demographic and any other data set into a single location. All of this data is indexed so you can effortlessly combine and visualize it either as part of ad hoc exploration or within applications such as clinical decision support.

Holistic Patient View

With the ability to integrate patient data from all sources including EHR, genomic sequencing, medical devices, imaging and wearables into the PHC, clinicians can easily break down data silos to see a holistic view of patients over time. It goes beyond office visits with remote patient monitoring by integrating wearables and surveys as well as the ability to reach patients via secure video calls.

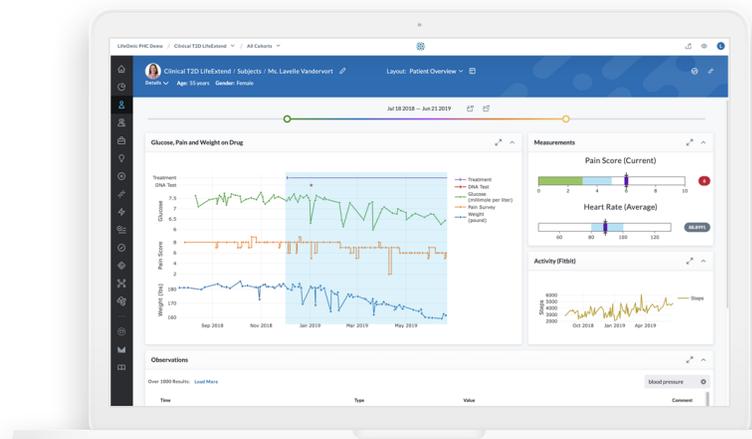
Clinicians can even add paper and fax documents to the patient's file and make these documents searchable with our Optical Character Recognition (OCR) machine learning module. This ability to assess the whole patient allows for real-time clinical decision making support based on individualized needs.

Usability & Scalability

Our easy-to-use, graphical interface provides clear data visuals. It allows anyone, even those without a bioinformatics background, to navigate and gain benefits. Analyze more patients in a given time than before by scaling genomic interpretation of patients' cancer using the Knowledge Base. Our cloud-based infrastructure allows for the highest security measures all while being infinitely scalable.

Genomics

The PHC provides a fully integrated Knowledge Base to streamline the analysis and annotation of your patient data. Easily query and annotate your data using a vast repository of biomedical and genomic information available from public, commercial and private sources so you only need one tool. Information is transformed, harmonized and linked to allow for unified access in an easily understandable and highly visual format.



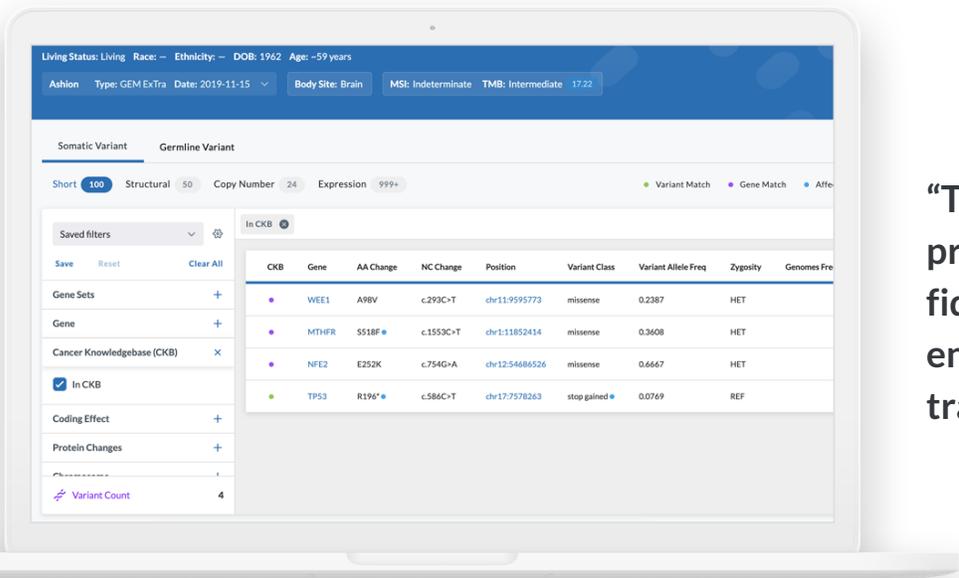
The Opportunity with Clinical Trial Matching

IU School of Medicine was using a very manual and laborious process to be on the lookout for the most cutting-edge clinical trials that their patients may be eligible for. Dr. Radovich's team spent many hours perusing the drug pipeline on clinicaltrials.gov and collecting the data using a manual spreadsheet. This process was impossible to keep updated and allowed for data and opportunities to be missed.

The Solution

With the PHC, the IU School of Medicine team was able to scale genomic interpretation of their patients' cancer using the Knowledge Base, a vast repository of biomedical and genomic information available from public, commercial and private sources, that is integrated into the PHC.

The platform also helps teams make sure they don't miss anything that could be functional with easy-to-use search and filter tools. They can rest assured that the information is reliable and accurate due to the API being updated weekly.



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“The Precision Health Cloud provides comprehensiveness, fidelity, scalability and enables, both, clinical and translational research.”

Dr. Milan Radovich

The Outcome

With these new capabilities, IU School of Medicine is now able to pre-fill clinical trials. They have the ability to answer on-demand inquiries within seconds of the number of patients who meet the trial requirements.

The other powerful aspect is the patient access this provides. Since IU School of Medicine now attracts more pharmaceutical companies, they are able to open experimental drugs where patients wouldn't have otherwise had access to.

About LifeOmic

LifeOmic is the software company that leverages the cloud, machine learning and mobile devices to offer disruptive solutions to healthcare providers, researchers, employers, health IT companies and individuals. Learn more at: lifeomic.com.