

Activating Precision Health

LifeOmic is the software company that leverages the cloud, machine learning and mobile apps to offer transformative solutions to healthcare providers, researchers, pharmaceutical firms, health IT companies and patients.

Our cloud-based software accelerates the activation of precision health, a big-data approach to preventing disease that is focused on the individual.



LIFEOMIC

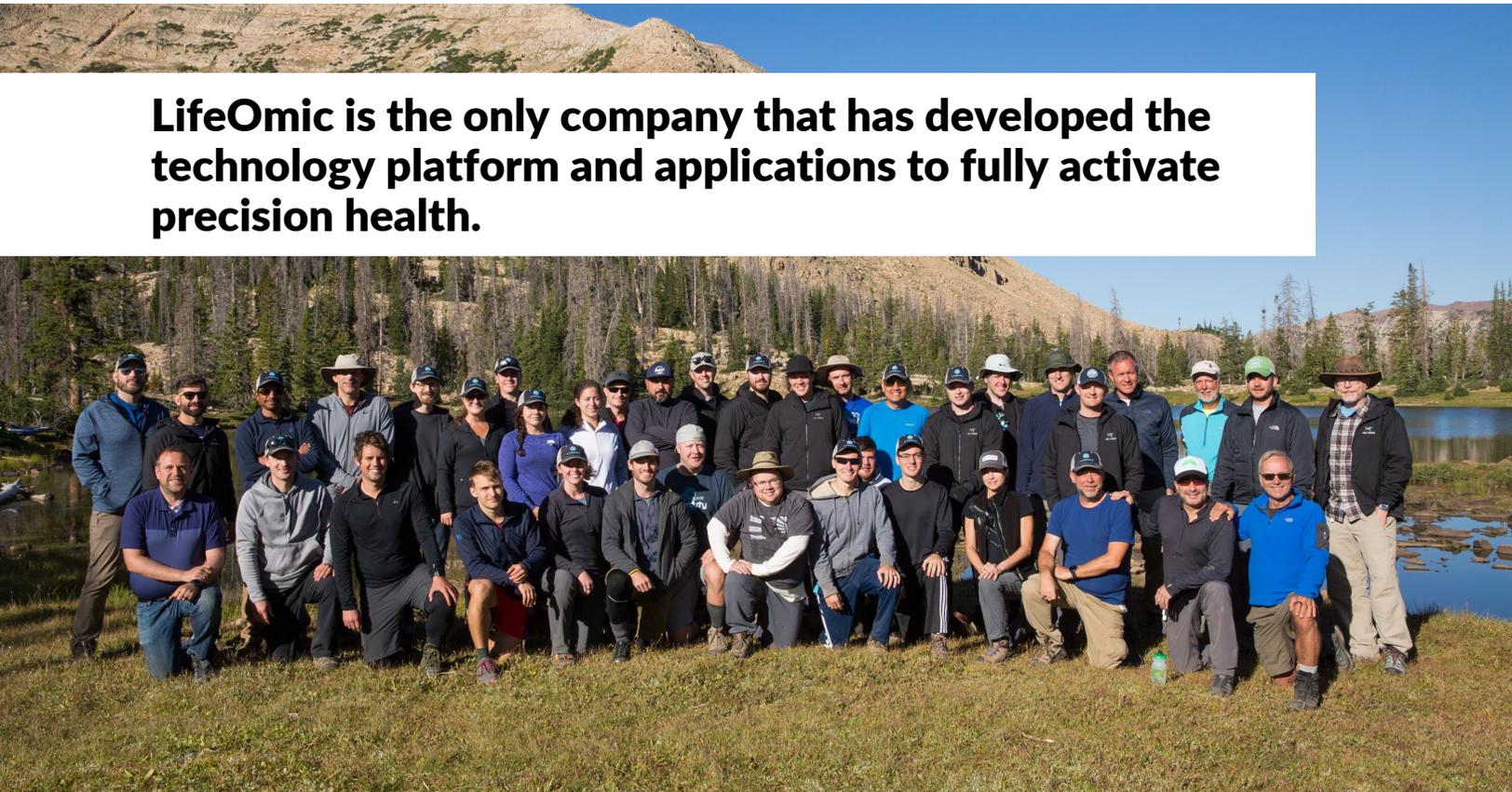
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Founded in 2016, and with over 80 team members, we have built a portfolio of products that are already disrupting healthcare. The cornerstone of our portfolio is the Precision Health Cloud, a secure and scalable cloud platform for aggregating, analyzing and building artificial intelligence/machine learning (AI/ML) models to accelerate research and clinical applications.

We also have a suite of precision health mobile applications that promotes wellness and disease prevention while connecting clinicians and researchers to patients. Two Million users worldwide use our LIFE mobile applications to improve their health. Additionally, we have a LIFEApps science-backed health content site with over 200,000 monthly unique visitors, and a nascent educational platform called Lifeology that helps researchers and physicians explain complicated science to users and patients.

Our Connect product, which we integrate into our LIFE apps and our LIFEApps content site, enables direct connection to physicians, health coaches, genetic counselors and other professionals to users and patients. These experts can connect to users via telephone, video conference and screen share and can easily access any patient data available in the Precision Health Cloud such as genetic results, clinical observations, surveys, etc. Connect is pre-integrated into the LIFE mobile apps and takes only minutes to integrate into any website. Connect can act as a directory of experts which can easily be packaged and offered to other websites or businesses.

Finally, we have productized the same security framework we use to achieve compliance and certifications as well as to operationalize the security of the Precision Health Cloud and our other products. JupiterOne is used by leading healthcare and SaaS companies.



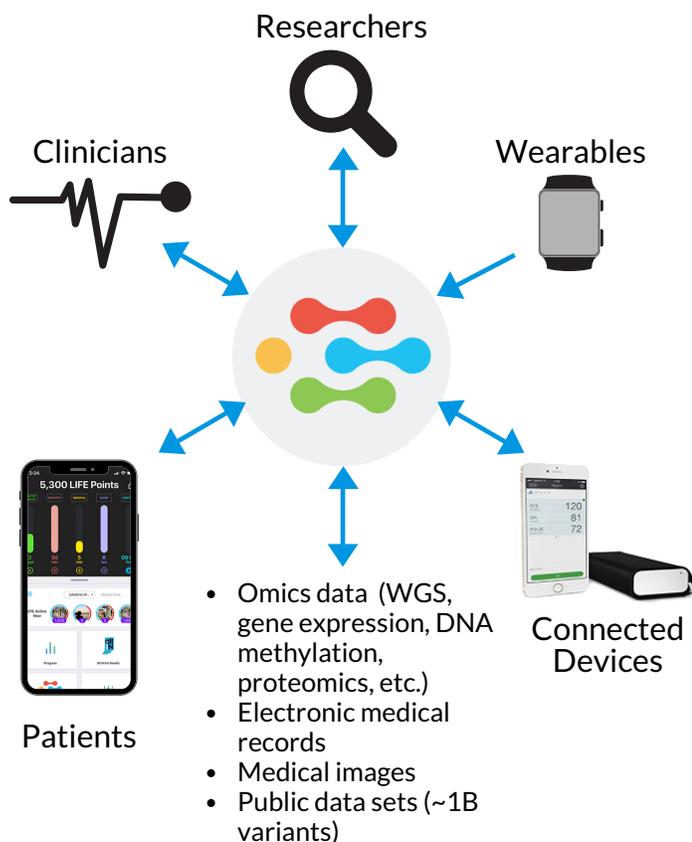
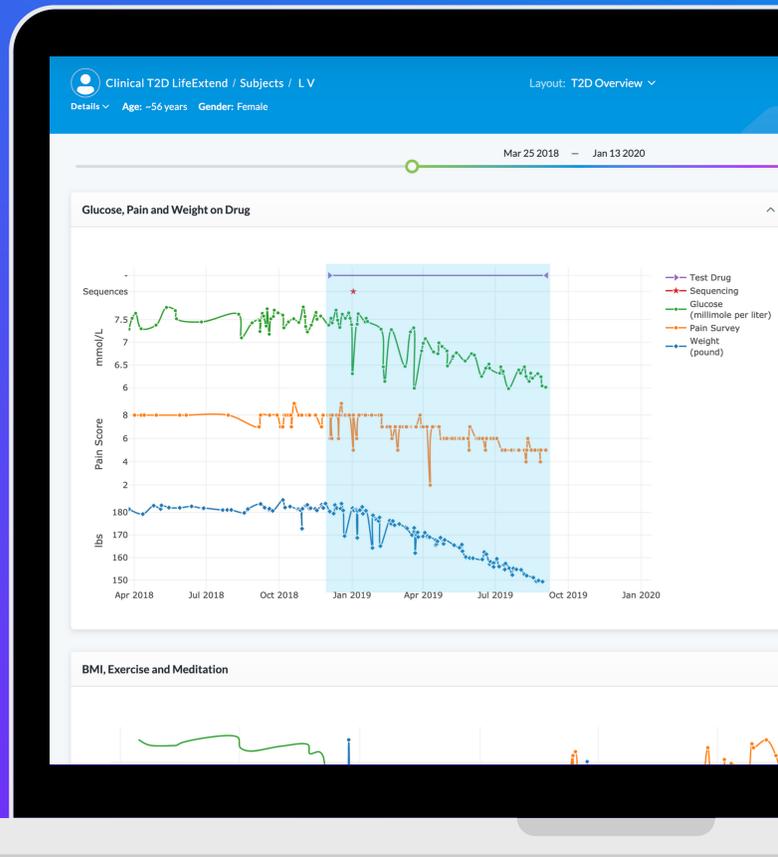
LifeOmic is the only company that has developed the technology platform and applications to fully activate precision health.

Precision Health Cloud

The cornerstone of LifeOmic's product portfolio is the Precision Health Cloud (PHC). The PHC is a cloud based data aggregation, analytics and ML/AI platform. The PHC can seamlessly integrate genomic, phenotypic, wearable, medical device, imaging, audio and patient acquired data.

Our vision is to aggregate this data into a single repository and enable multimodal analysis to provide researchers and clinicians previously unavailable insights.

Cloud-based machine learning modules can make predictions, issue alerts and create personalized recommendations to minimize costs and maximize healthspans. The LIFE Extend mobile app serves as the patient portal to these services as well as a conduit for data collection.



Key Features

- Integrate large-scale disparate data:
 - Electronic Medical Records
 - Omics
 - Images and audio
 - Wearables and medical device
 - Survey data
- Standards based REST API with FHIR and GA4GH support
- Native analytics and machine learning
Integrates with the applications you use today such as Jupyter Notebook, Tableau and Spotfire
- Ultra-secure with fine-grained access controls

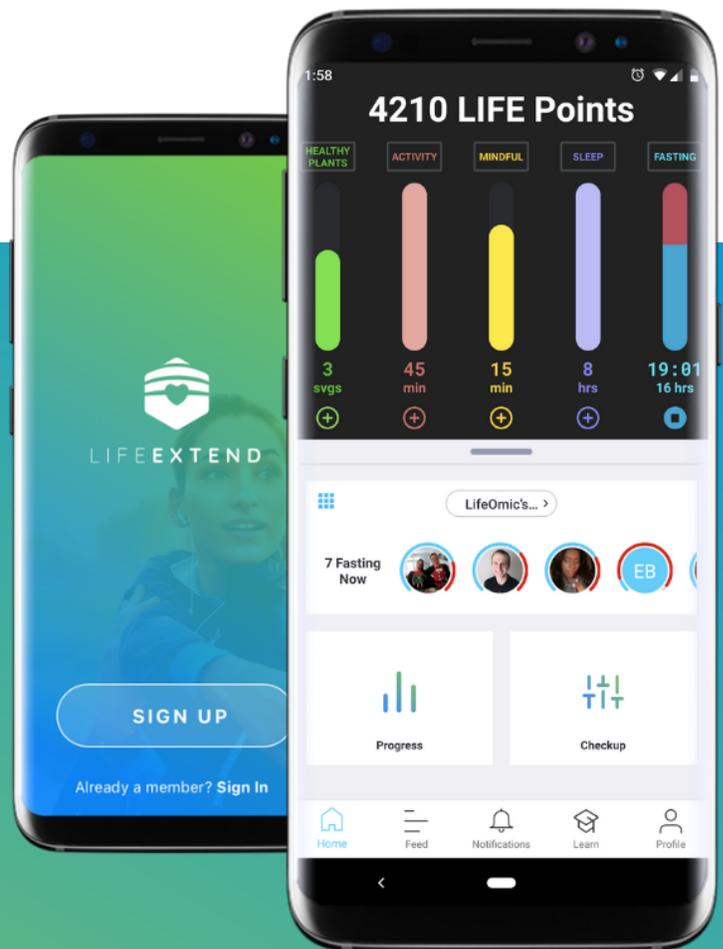
LIFE Mobile Apps

Patient feedback is a core tenet of precision health. However, patients are in a healthcare setting less than 1% of their time. What's more, existing patient facing applications often suffer a lack of engagement due to complexity and poor user experience.

We took a very different approach, focusing on user experience to create a social, gamified, interactive, educational mobile app to connect researchers and clinicians with their patients - at scale.

This approach has led to high engagement and retention within our apps, enabling you to reliably reach your patient and caretaker population.

LIFE Extend is built on LifeOmic's Precision Health Cloud. Patient acquired data is aggregated along with clinical data from EMRs, genomic data, imaging data and more. Once the data is aggregated, analytics and predictive ML/AL models can be built in the PHC.



Key Features

- Aggregate behavioral data such as activity, sleep, nutrition and stress with electronic health data, genomic, wearable, medical device, exposome data, etc. via the Precision Health Cloud
- Develop and deliver consents and surveys to individuals and cohorts of patients.
- Develop, deliver and measure compliance of care plans and interventions.
- Create and deliver custom content and applications.

LIFEOLOGY

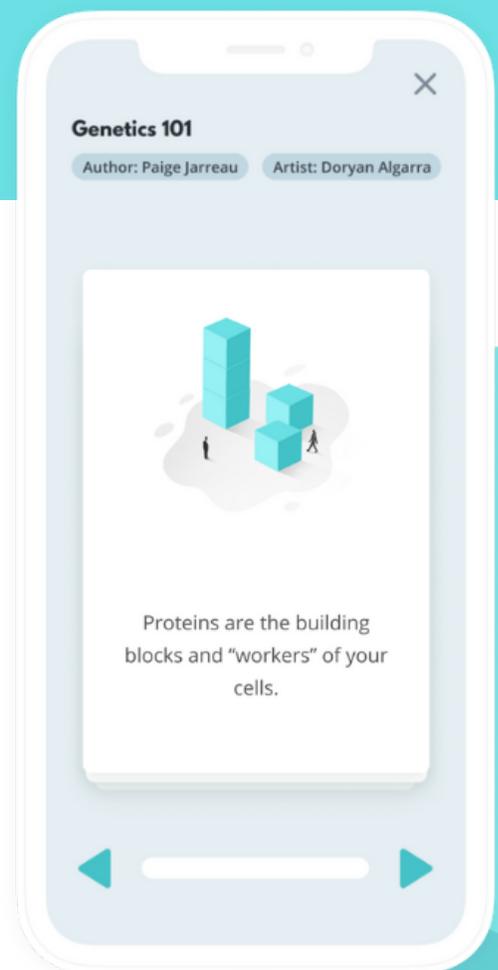
Lifeology is a platform for distributing and engaging lay audiences in health-related science and research via fun, accessible and visual content.

Lifeology courses consist of a series of cards, each with an illustration and a small amount of copy. At the end of the course, there is an optional survey as well as opportunity for feedback.

By combining consumer engagement and scientific communications expertise, in conjunction with a network of expert writers and artists, we have created the best way to improve health literacy.

Key Features

- Ability to leverage web, mobile and apps to distribute educational content in a proven, easy to understand, engaging format.
- Gamification to encourage engagement, course completion and exploration
- Content Management System to streamline course development and maintenance
- Global network of science writers and artists to turn complex scientific content into engaging courses.
- Create courses yourself, have us help you, or have us create them for you in collaboration with the perfect artist and writer from our global network.
- Ability to control the target audience including leveraging LifeOmic's millions of app users and website visitors.
- Analytics to measure engagement and impact.
- Can be used for both healthcare and non-healthcare oriented content.



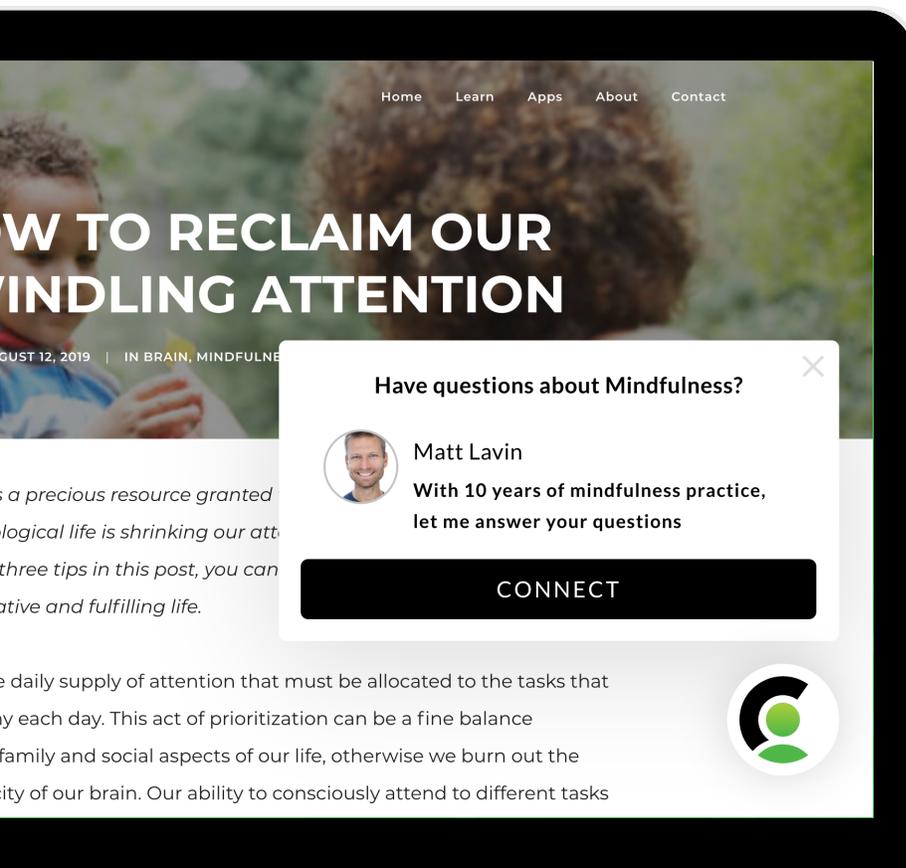
Connect

Connect provides the communications and billing fabric to connect experts - genetic counselors, physicians, nurses, researchers, health coaches and other healthcare professionals - to users and patients.

Connect enables you to seamlessly connect with patients via telephone, video conferencing and screen share. You can set a billable rate for each encounter which can be automatically distributed to your firm and/or the coach or healthcare professional.

Connect can also create communities of coaches or healthcare professionals that can be bundled and reused with other client sites.

Connect comes pre-integrated with the LIFE mobile applications and the Precision Health Cloud. It can also easily be integrated into any website, web app and mobile applications.



Key Features

- Easily integrated into any website, web app or mobile app
- Pre-integrated with LIFE mobile applications and the Precision Health Cloud
- Provides voice, video conferencing and screen sharing
- Provides all billing support

Applications



Oncology

The Precision Health Cloud for Oncology was created to provide the software to help you deliver the most effective cancer treatments for each patient. The Precision Health Cloud directly integrates with your Electronic Medical Record system to obtain patient data, observations and lab values. It also integrates directly with genomic sequencing vendors.

You can seamlessly visualize this data in easy to customize dashboards including the Omics Explorer for exploring variants and integrating external reference data. The Precision Health Cloud can even match patients to appropriate clinical trials.

LifeOmic's LIFE Extend mobile application provides the conduit for patient reported outcomes, streamlining survey data and compliance to care plans. The ability of LIFE Extend to integrate with wearable and connected devices helps you connect with patients everywhere, all the time, at scale.



Cardiology

You have an unprecedented opportunity to drive better outcomes for your patients and reduce heart disease risk among broader populations. Insights gleaned from patient-generated data, medical devices, wearable data, behavioral data, social determinants of health, omic and exposome data are enabling increasingly precise, individualized and effective cardiovascular treatments and preventative interventions.

Your ability to harness this data for your own patients is hindered by legacy and siloed software systems. You are missing the complete picture. LifeOmic's Precision Health Cloud is the cloud platform that enables you to use all of the data you have access to for driving better patient outcomes.

The Precision Health Cloud for Cardiology was created to provide the software to help you deliver the best treatment and prevention to your patients. The Precision Health cloud directly integrates with your EMR to obtain patient data, observations, images and lab values. It can also ingest data from implanted devices and wearables. You can seamlessly visualize this data in simple dashboards, easily create cohorts and run predictive algorithms.

LifeOmic's LIFE Extend mobile application provides the conduit for patient interactions at scale. LIFE Extend makes it easy to survey patients, get wearable data and create and monitor care plans.

Applications



Genomic Analysis and Clinical Trial Matching

Using the aggregated genomic and clinical data, the Precision Health Cloud helps genetic counselors, pharmaceutical staff and research teams streamline genomic analysis and annotations as well increase pharmaceutical trial matches.

The fully integrated Knowledge Base streamlines analysis and annotation of your research and patient data. Easily query and annotate your data using a vast repository of biomedical and genomic information available from public, commercial and private sources. Information is transformed, harmonized and linked to allow for unified access.

The Precision Health Cloud integrates with clinical trial matching data to enable identifying, selecting and enrolling patients in the most impactful clinical trials.



Wellness

LifeOmic Wellness provides a turnkey corporate wellness program to organizations of every size. By using the LIFE Extend application and the Precision Health Cloud, we provide a socially enabled, highly engaged solution.

Partnerships with biomarker and genomic sequencing companies enables employers to deliver a wellness solution that is both predictive and preventative.

By leveraging the five pillars of health, wearable data, biomarkers, genetic results and more, LifeOmic Wellness dramatically improves employee health outcomes.



Health Coaching

Health coaches use LifeOmic technology including LIFE Extend, the Precision Health Cloud, Lifeology and Connect to run their coaching practice and acquire new clients.

LifeOmic Health Coaching enables coaches to track their clients progress, manage group challenges, encourage their clients, billing and analyzing the efficacy of their programs.

Additionally, coaches can drive additional revenue and client acquisition by leveraging Connect and the LIFE mobile app and website communities as well as their own websites.

Applications



Optical Character Recognition (OCR) for Documents

Data ingestion, especially from unstructured sources, is a headwind to realize the benefits of precision health. Unfortunately, healthcare is fraught with poor quality printed documents and faxes that need to be structured to be actionable.

Using artificial intelligence technology, LifeOmic has developed an easy to use, cost effective, highly accurate optical character recognition technology that can turn even poor quality medical documents and faxes into text and structured data.

The structured data from these documents can seamlessly be integrated with all other data in the Precision Health Cloud.



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