Lifecode

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A big solution

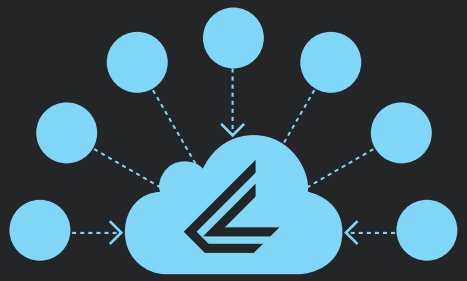
A big solution for the big questions

Introducing a revolution in health economic modelling. Globally distributable, intuitive and completely interactive, Lifecode® is transforming the way we make decisions about healthcare forever.

Questions about population health are some of the largest challenges facing us as a species.

Empowering policy makers, politicians, manufacturers, decision-makers and patients, Lifecode® informs, guides and, ultimately, supports long-range health and resource decisions.

About

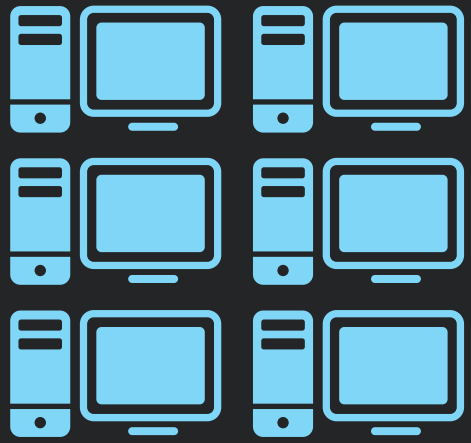


The new standard

In 2000, the founders of Lifecode® made the decision to develop a decision platform that would embrace all aspects of health economic evaluation and become the leading tool to inform all stakeholders and decision makers.

Combining economics, health economics, econometrics, outcomes research, agent-based computation, disease decision algorithms, cloud processing power, and web-based architecture, Lifecode® gives health professionals and policy makers access to models that determine the long-term health outcomes and economic consequences within any disease area.

Overview



Lifecode® is a powerful decision-making platform

- maximizes legacy, current and future economic insight
- leverages existing knowledge into a unified architecture
- simplifies complex ideas and facilitates efficient knowledge transfer
- facilitates rapid prototyping and delivers rapid roll out
- rapidly extends existing research beyond disease specific outcomes into wider, overarching health implications
- extends the life of existing assets through full exploitation and protection from VBP and C/E argumentation
- distributes and aligns economic knowledge between internal stakeholders across organizational levels – global to regional to local
- delivers a predictive approach to asset evaluation across multi year time scales

Big data

Lifecode® Cloud

The Lifecode® modeling platform outputs huge quantities of data, routinely working on datasets of around 1000GB.

However, thanks to the distributed architecture, the processing time is determined by the computing resources employed, rather than by the size of output.

The power of the Lifecode® platform means that you can process multiple possible realities to enable you to quantify uncertainties and to capture variations in potential outcomes over time.

Lifecode® is also suitable for analysing existing datasets, Real World Evidence – not just model outputs using powerful BIG DATA Analytics.

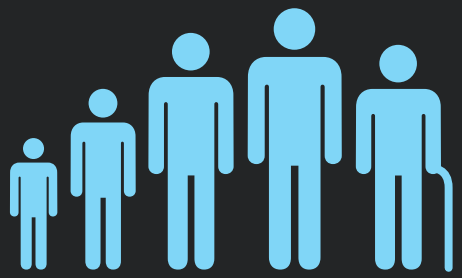
Communication

Lifecode® is web-based, globally distributable, encrypted architecture. As such, it efficiently shares disease and economic knowledge from department to department.

It quickly extends existing clinical and economic research beyond disease-specific outcomes into wider health implications, and projects scenarios into future healthcare environments.

Lifecode® enables intelligent market access preparation, knowledge sharing and leveraging, and with the ability to assimilate data on an ongoing basis can aid in the prolongation of existing investments (assets).

Policy forecasting



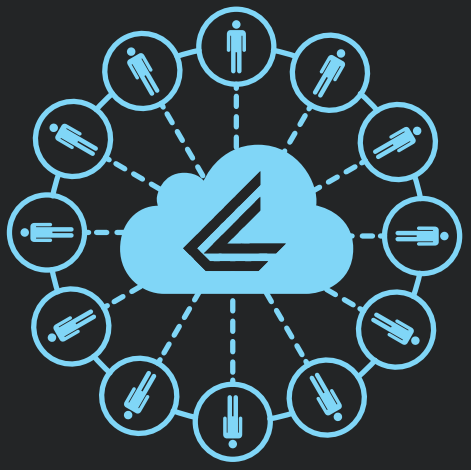
Lifecode® is the robust tool to help you make big decisions.

It provides the technology you need to inform, guide and ultimately support long-range health and resource decisions; modeling into subsequent generations.

Lifecode® can show the future health impact and economic outcomes of decisions taken now.

The system also enables large populations to be investigated. For example, if a treatment that prevents death from cancer increases the number of people who go on to develop Alzheimer's, Lifecode® will enable you to predict when this spike will occur and how much it will cost society.

Agent based modelling



Lifecode®'s modular approach allows the division of labour for design, minimizes assumptions, and increases transparency of complex processes with highly visible data sources.

Thanks to cascading interactions, it is possible to observe explicit cause and effect, enabling you to identify not only what happens, but also when and why. Big data analytics provide insights which were previously impossible by combining technology, analytics, big data and health economics.

In addition, the big data output allows you to investigate every interaction and event. Full error reporting means you can quickly trap, identify and fix model design problems.