



PRESCIENT MEDICINE

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The Problem

Prescription painkillers fuel
America's opioid crisis.

Each year, doctors write an alarming number of prescriptions for opioid painkillers.

191,000,000

oral opioid prescriptions are written annually in the US¹

~4.4%

of the world's population is in the US²

80%

of prescription opioids are consumed here³

17%

of the US population filled an opioid prescription in 2017⁴

It often starts with injuries, dental procedures and elective surgeries. And the results are catastrophic.

Opioid addiction burdens the US economy.

But the human cost is even greater.

114M

opiod prescriptions by primary care physicians, orthopedists, dentists and surgeons in 2017⁵

\$36B

spent each year on addiction treatment⁷

\$78.5B

drained from the economy every year by opioid abuse⁶

47,600

opioid-related deaths in 2017⁶

80%

of people who use heroin first misused prescription opioids⁶

~25%

of patients prescribed opioids for chronic pain misuse them⁶

\$20,500

is the average cost of treating and admitting an overdose patient⁸

\$11.3B

annually is spent on opioid overdose patients⁹

35.8%

of all opioid deaths were caused by prescription opioids in 2017⁴

130

deaths per day are from opioid-related overdoses⁶

The Solution

We think we can stop
addiction before it starts.

Prediction = prevention.

Our mission is to help curb the crisis by scientifically identifying an individual's risk of abuse before the prescription is written. This gives the physician the information needed to make the appropriate choice for pain management.

Genetics, the single most important risk factor.

78%

Up to 78% of addiction risk can be attributed to genetics⁹

5

days of use puts individuals at risk of continuing opioids long term¹⁰

Medication decisions can be made based on risk.

LifeKit® Predict alerts healthcare providers to that risk.

Prescient—we're passionate about the power of prediction.

- + A clinically validated genetic opioid addiction risk assessment test
- + Requires only a simple swab
- + Color-coded reports deliver the results

At Prescient Medicine, we're taking on the opioid epidemic through the development of precision healthcare solutions. These powerful tests and analytic tools offer predictive insights that give physicians and patients the information they need to make better clinical decisions.

97%

Assurance with 97% sensitivity that a patient may not have increased genetic risk of opioid dependency¹¹

A proactive solution.

- + More-informed prescribing decisions decrease opportunities for addiction to take hold
- + Most promising when administered prior to a procedure—dental, spinal and orthopedic surgeries, and elective surgeries

We can't stop addiction alone.

Join us in calling for resources to focus on prevention through risk assessment and the education of physicians and individuals. Let your voice be heard.

87%

Identification with 87% specificity that a patient may have an increased genetic risk¹¹

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