Startup’s evidence-based AI aims to enrich physician decision-making

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As a physician, you’re painfully aware that medical knowledge is growing at such a fast pace that it’s impossible to keep pace with it all. It can even be difficult to quickly pull up everything you need to make the best decision possible for your patient.

All of that can contribute to delayed or incorrect diagnoses, with diagnostic errors costing the U.S. health care system between $250 billion to $500 billion annually. It also fuels a high cognitive load for physicians.

Health2047—the Silicon Valley-based subsidiary of the AMA created to overcome systemic dysfunction in the U.S. health care system—recently launched RecoverX to help combat those challenges.

The startup company aims to solve the system-level challenges posed by a body of medical knowledge growing so fast that it’s humanly impossible to keep up with. They will do that by supporting decision-making for physicians in over 30 specialties. RecoverX uses rigorously curated evidence-based medicine in their augmented intelligence (AI) platform.

Based on information from clinical charts, patient conversations and test results, RecoverX gives physicians a short list of insights and next-best action suggestions for history and exam to help rule in—or out—the most likely differential diagnoses, along with next-best tests, explained founder and CEO Carl Bate.

The platform reacts in real-time to physician action through a number of mechanisms: voice transcription, live note taking and one-click action.

By increasing decision-making efficiency, reducing resource waste, and improving patient outcomes and physician experience, RecoverX’s goal is to solve critical cognitive and financial challenges at the front end of health care.

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“We’re delighted to support RecoverX in its mission to give physicians more tools and knowledge at the point of care to reach the best possible decisions for their patients,” said Lawrence K. Cohen, PhD, Health2047’s CEO. “Combining medical experts with evidence-based medicine and data-centric AI will yield both better patient outcomes and greater physician satisfaction.”

Health2047 helped shape, and invested in, RecoverX.

Augmentation—not an “AI doctor”

There are two key differences between RecoverX and prior technology physicians may have used, Bate explained.

“First, our platform helps insight find the physician rather than the physician have to go seek it out. Second, our platform reacts in real-time and in context to physician action, so is a genuine augmentation and support at each step of the diagnostic process,” he said.

Bate noted that one of the company’s guiding principles is that they are augmented intelligence, not an “AI doctor.”

“We believe the best health outcomes leveraging the ever-expanding body of medical knowledge will come from expert, evidence and AI combined, with the medical expert in control at all times,” he said.

RecoverX has partnered with BMJ Best Practice, which provides access to the latest U.S. research evidence, along with guidelines and expert opinion to hospitals and health systems worldwide. The evidence-based information is updated daily, Bate said.

“Demands on health care are increasing near-exponentially and we cannot create a truly sustainable model for medicine until we solve the information challenge,” he said. “The opportunity to continuously leverage scientific knowledge is there, but better medicine requires combining expert physician capabilities with evidence and AI.”

Find out more about the AMA’s commitment to helping physicians harness AI in ways that safely and effectively improve patient care.

More from Health2047

RecoverX is the fourth company Health2047 has spun out this year, and the ninth overall. Earlier this year Health2047 launched:
- Phenomix Sciences, which aims to change how society tackles obesity through phenotyping.
- Emergence Healthcare Group, which offers physicians a “turnkey practice” solution that lets them focus on practicing medicine.
- Site Bridge Research, which aims to make clinical trials more accessible to community-based physician practices through a “trial-in-a-box” platform that provides access to clinical research training, resources and support throughout the trial process.

Health2047 leaders this year also launched a monthly podcast, “So You Want to Transform Healthcare.” You can find podcast episodes here.