

# New prescription: Doctor offices that look like Apple stores

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In this Jan. 10, 2017 photo, Adrian Aoun, founder and CEO of Forward, left, gives a demonstration of a vein illumination device that uses infrared light on an Associated Press reporter at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management service that charges a \$149 per month, roughly \$1,800 a year, to tend to all of its patients' primary-care needs. (AP Photo/Jeff Chiu)

After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Adrian Aoun got an unsettling look at a health-care system that he diagnosed as an inefficient and outdated mess.

Now he believes he has a remedy. It's called Forward, a health-management service that charges a \$149 per month—roughly \$1,800 a year—to tend to all of its patients' primary-care needs. And not just with attentive doctoring, either; Forward plans to deploy body scanners, sensors, giant touch-screen monitors, infrared devices and other high-tech gizmos that could make a doctor's appointment feel more like a trip to an Apple store.

"Doctors are super smart, but they are set up for failure in so many ways," Aoun says. "We haven't built the tools that they need to operate in modern life. No one wants to go to the doctor's office today. We want to change that."

## NOT QUITE ALL-YOU-CAN-EAT

Forward will still refer patients to outside specialists when its primary-care doctors can't deal with certain health problems; same goes for hospital admissions. And there are bound to be health insurance headaches that Forward isn't attempting to address.

That means Forward is unlikely to become a cure-all, especially because its membership fee isn't cheap, said Paul Ginsburg, a health-policy expert at the University of Southern California.



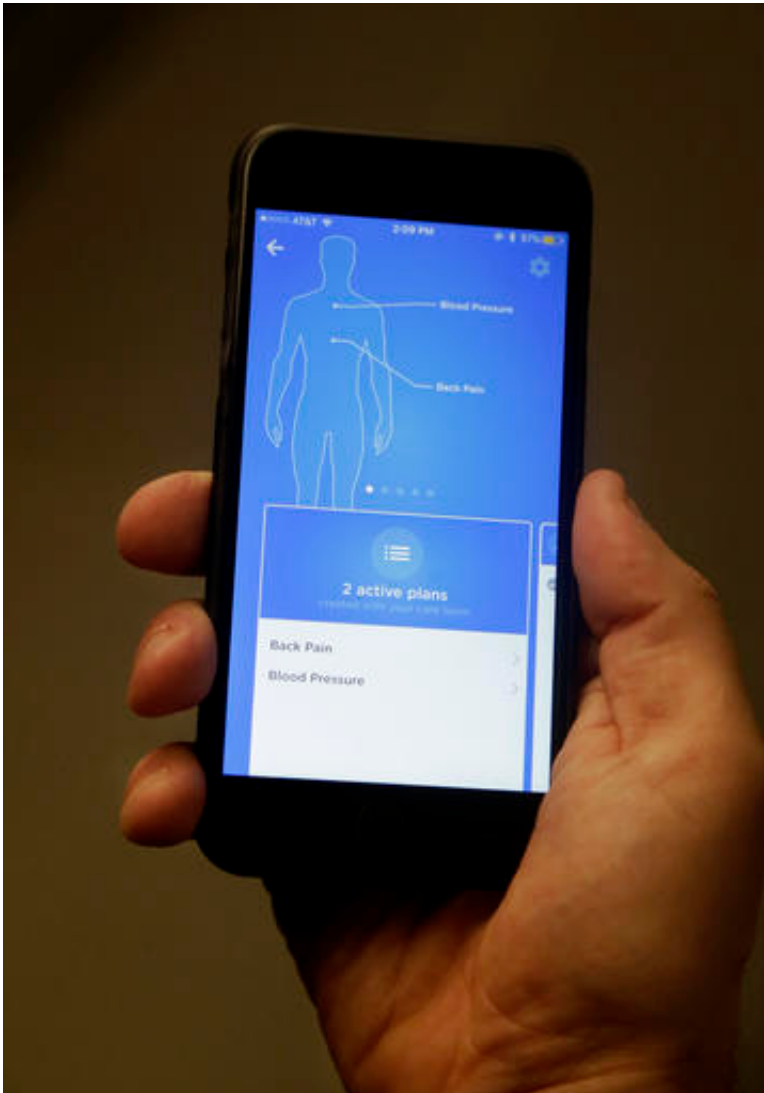
In this Jan. 10, 2017 photo, Dr. Aaliya Yaqub points to a large monitor while giving a demonstration of medical checkup at a Forward medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Adrian Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management service that charges a \$149 per month, roughly \$1,800 a year, to tend to all of its patients' primary-care needs. (AP Photo/Jeff Chiu)

"Primary care is a very small part of the cost for what health insurance covers," Ginsburg said. "So, even after paying nearly \$2,000 a year, you are still going to have to buy [health insurance](#) to cover everything else."

But Aoun is convinced his high-tech approach can start to make things better.

## HIGH TECH PRIMARY MEDICINE

Forward's patients can view all their medical information on a mobile app they can use to message a "care team" available around the clock. All blood and DNA tests are done at Forward's offices instead of being farmed out; the company says patients will be able to review the results in a matter of minutes instead of days later.



In this Jan. 10, 2017 photo, Adrian Aoun, founder and CEO of Forward, shows the company's app page at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward,

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People with longer term issues such as obesity, [high blood pressure](#) or skin problems will go home with sensors that can transmit data back to Forward. Its computers will then alert doctors if any troubling trends surface, allowing them to be addressed before they become more serious.

Forward's attempt at a medical makeover began Tuesday with the opening of its first office in San Francisco. The converted clothing store spans 3,500 square feet, enough to accommodate six exam rooms and a team of doctors. The office should be able to accommodate 12,000 patients in total before turning people away.

Additional Forward offices are planned in other major U.S. cities, although Aoun won't say where they will be located or when they may open.

## TESTING CONCERNS



In this Jan. 10, 2017 photo, Forward member Justin Shaffer is interviewed at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Adrian Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management service that charges a \$149 per month, roughly \$1,800 a year, to tend to all of its patients' primary-care needs. (AP Photo/Jeff Chiu)

While Forward's concept of technology-driven preventative care may make sense, experts like Ginsburg worry that its emphasis on health-monitoring sensors could prompt doctors to run unnecessary tests that do little to improve patient health.

"The notion of scanning people who don't have a problem has been very solidly dismissed by the medical profession for a while," Ginsburg said.



Studies have shown that the best way to remain healthy is to eat right, exercise and get plenty of sleep, added R. Adams Dudley, director of the Center for Healthcare Value at the University of California, San Francisco. "Sensing people all up isn't going to change any of that," Dudley said.

But Dudley believes Forward has the potential to be very profitable if its focus on technology appeals primarily to younger people who typically have few health issues.



In this Jan. 10, 2017 photo, Adrian Aoun, founder and CEO of Forward, shows a retail sensor section of various wearables and phone attachments at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management service that charges a \$149 per month, roughly \$1,800 a year, to tend to all of its patients'

primary-care needs. (AP Photo/Jeff Chiu)

Justin Shaffer, 34, fits that demographic. He thinks Forward has been worth its monthly fee since he joined the service last year during its testing phase.

"I wouldn't necessarily say it feels like a tech-heavy experience. I would say it just feels like a better experience," Shaffer said after picking up a scale at Forward's office to help monitor his weight.

## THE AI WILL SEE YOU NOW

Forward hopes to provide more hands-on attention from primary-care doctors freed from paperwork and other bureaucratic frustrations, while backing them up with sophisticated algorithms that analyze the digital data stockpiled about its patients.





In this Jan. 10, 2017 photo, Adrian Aoun, founder and CEO of Forward, right, gives a demonstration of the check-in process at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management service that charges a \$149 per month, roughly \$1,800 a year, to tend to all of its patients' primary-care needs. (AP Photo/Jeff Chiu)

It's an example of artificial intelligence, the ability of computers to learn

from the data that they collect. Artificial intelligence, or AI, is an Aoun specialty. He sold an AI startup called Wavvi to Google for about \$30 million in 2013 and then stayed on for a couple years to help work on some of the technology that now powers Google's voice-controlled assistant.

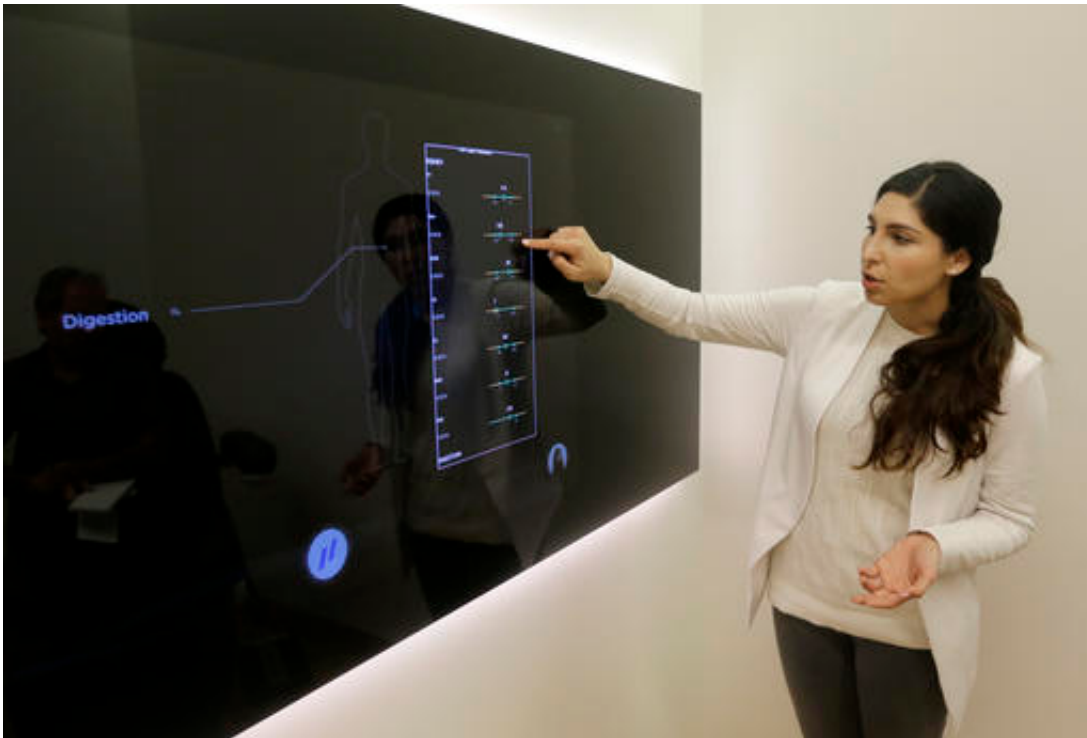
But Dudley doubts Forward's AI will be very effective unless it's able to build a large network of offices that attracts millions of patients.

"A human brain can learn faster than a machine unless the machine has a massive database to analyze," Dudley said.



In this Jan. 10, 2017 photo, Ilya Abyzov, co-founder of Forward, is interviewed at a medical office in San Francisco. After a relative suffered a heart attack a few years ago, Silicon Valley entrepreneur Adrian Aoun got an up-close look at a health-care system that he diagnosed as an inefficient and outdated mess. Now, Aoun is ready to prescribe his remedy. It's called Forward, a health-management

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