

Telehealth Solutions for COVID-19

The power of listening

“The Eko stethoscope and streaming software deliver high-quality audio that powers telemedicine initiatives requiring the highest acuity.”

Gerard Frunzi
Telehealth Services Manager



Children's Hospital Colorado

Telehealth is an essential tool in our collective fight to #beatCOVID. In response to COVID-19, healthcare providers are now able to offer telehealth services to Medicare beneficiaries at physician offices, hospitals, nursing homes, rural health clinic, or at home. ①

While telehealth is among the most powerful tools at our disposal, it is only effective if providers can get the critical information they need to examine their patients. With Eko, clinicians are able to virtually examine cardiac and pulmonary health as if they were standing at the bedside.

Eko is the only platform that facilitates stethoscope audio and ECG live streaming between patients and providers. The platform has embedded video conferencing, or works alongside the video conferencing platform a health system has in place. Further, Eko is the only platform to provide AI-powered and FDA-cleared identification of Atrial Fibrillation, heart murmurs, tachycardia, and bradycardia to assist providers in the detection and monitoring of heart disease.

With Eko, health systems can implement aggressive telehealth strategies in response to COVID-19 and beyond, without compromising their commitment to providing excellent cardiovascular care.

① Source: Centers for Medicare & Medicaid Services

In-Clinic Telemedicine

Highlights



Lung & Heart Sound Live-Streaming

Heart, lung, carotid, bowel and other stethoscope sounds are live-streamed to consulting provider for thorough virtual examination.



1-Lead ECG Live-Streaming

Single-lead ECG streaming enables consulting provider to assess for rhythm abnormalities during telehealth visit.



Murmur & AFib Analysis

FDA-cleared murmur, AFib, tachycardia, and bradycardia screening algorithms assist providers in automatically detecting heart disease.



Embedded Video Conferencing [Optional]

Health systems can run Eko alongside existing videoconference software or use the embedded video tool to guide device placement.

Overview

Eko unlocks the power of cardiovascular care during clinic-to-clinic telehealth visits, expanding access to patient care, alleviating strain on the health system, and reducing unnecessary exposure to COVID-19.

Using Eko, a provider at a patient site - a rural clinic, nursing home, or temporary COVID-19 hospital - can stream stethoscope audio & ECG to providers at a consulting site - a virtual care center, medical center, or specialty clinic.

With Eko, a consulting provider can conduct a virtual visit in confidence by examining a patient's lung, heart, and carotid sounds, while assessing single-lead ECGs for arrhythmias. By moving beyond just voice and video, a telehealth consultant can provide potentially life-saving cardiovascular care to the patient virtually.

The Eko platform is equipped with an optional 1-click video feature, but can also sit right alongside the video platform a health system may have already standardized around for virtual visits. Eko's customers range from health systems with thousands of telehealth endpoints to small practices standing up their first telehealth practice.

At-Home Telemedicine

Highlights



Patient Friendly User Interface

Eko has designed a patient friendly app that assists the patient in self operation of the DUO.



Live Streaming

Heart sounds, lung sounds, and ECGs are live-streamed to consulting providers during telehealth visits for a thorough virtual exam.



Embedded Video Conferencing

One click video conferencing enables virtual providers to guide their patients through the exam.



Provider Dashboard & Simple Patient Onboarding

Providers can onboard patients through the Eko Dashboard, giving patients access to Eko Telehealth from home with the click of a button.

Overview

Direct-to-patient telehealth with Eko keeps patients connected to their care teams from the comfort, and safety, of their homes.

With Eko's patient-facing application, patients at home can video chat with their providers and navigate a self-operated stethoscope exam.

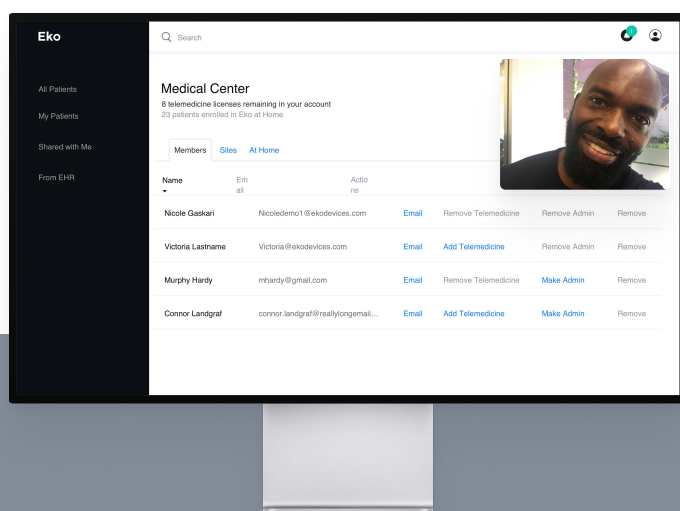
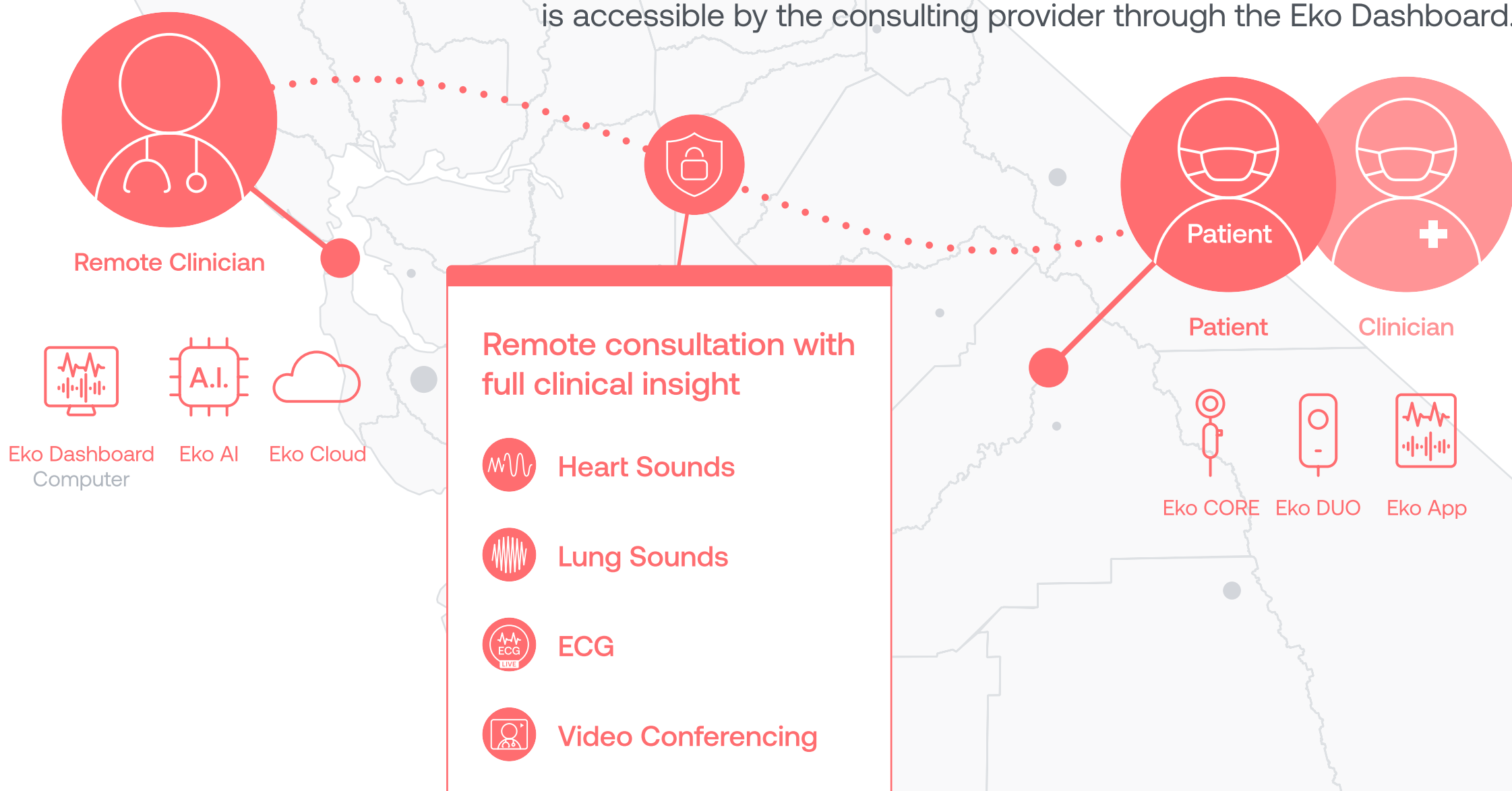
The Eko DUO is the first combined digital stethoscope & 1-lead ECG device specifically designed for patients of all ages to operate at home, under the remote supervision of a healthcare provider. The consulting provider can listen to high-quality heart, lung, and carotid sounds, analyze the patient's single lead rhythm strip, and leverage Eko's AI for automated detection of heart murmurs, AFib, tachycardia, and bradycardia.

For COVID-19 cases being monitored remotely, Eko helps providers assess worsening symptoms while avoiding unnecessary exposure by keeping the patient at home. Specifically, providers can examine lung sounds for focal or unilateral wheezes, which when combined with crackles, are a very strong indicator of pneumonia. ^①

^① Source: Scandinavian Journal of Primary Health Care

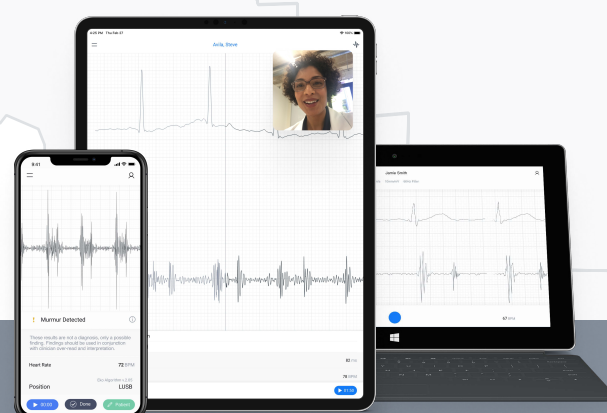
Clinical Insights Beyond Voice & Video

Eko brings the exam to life beyond video. The use of video alone for telehealth limits a provider's ability to fully assess pulmonary and cardiac health. To facilitate a visit, a provider with the patient (or the patient alone, if at home) pairs an Eko digital stethoscope to the Eko App running on an Android, iOS, or Windows device. The stethoscope audio & ECG will stream through Eko's HIPAA-compliant cloud server, where it is accessible by the consulting provider through the Eko Dashboard.



Eko Dashboard

- ✓ Access real-time live streams
- ✓ Eko AI Analysis for murmurs & AFib
- ✓ Save sounds & ECGs
- ✓ Admin controls & EHR integration



Eko Apps

- ✓ iOS, Android, Windows
- ✓ Eko AI Analysis for murmurs & AFib
- ✓ Patient friendly user interface
- ✓ HIPAA-compliant



Eko Stethoscopes

- ✓ Wirelessly pair with Eko Apps
- ✓ Amplification up to 60X
- ✓ Background noise reduction
- ✓ FDA & CE Cleared

Use Cases

From direct-to-patient home monitoring to hub-and-spoke delivery models, Eko is used by health systems across the country to power high quality telehealth visits.

COVID-19 & Infectious Disease

UPMC uses Eko to facilitate telehealth visits to reduce provider & patient exposure to COVID-19.

Tele-Cardiology

Sutter Health uses Eko to conduct follow-up virtual cardiology consults with patients in rural areas to save patient travel time.

Tele-ICU & Critical Care

Spectrum Health uses Eko to provide critical care support to ICU nurses during overnight shifts.

Tele-Pulmonology

Children's Hospital of Colorado uses Eko to connect pulmonologists in Denver with patients across the region.

Tele-Oncology

Vanderbilt University Medical Center uses Eko to virtually monitor the pulmonary health of patients as they undergo lung cancer treatment.

Direct-to-Patient

The **Veterans Health Administration** uses Eko to examine patients' cardiac and pulmonary health from home during video visits.

Skilled Nursing Facility Telehealth

The **University of Rochester Medical Center** examines patients at SNFs throughout Rochester County, New York using Eko.

Rural Telehealth

The **Alabama Department of Public Health** uses Eko to facilitate telehealth visits with HIV/AIDS patients in towns across Alabama.

Tele-Stroke

The **Medical University of South Carolina** uses Eko to help rapidly assess cardiac and pulmonary health during tele-stroke consults.

School Based Telehealth




Cook Children's Hospital in Texas uses Eko to connect dozens of schools to a remote Nurse Practitioner for telehealth consults.

Eko Stethoscopes



Eko CORE Digital Stethoscope

Cardiology-grade stethoscope offers active noise cancellation for traditional or wireless auscultations.






-  Active Noise Cancellation
-  Up to 40x Amplification
-  Digital & analog modes
-  Removable eartips for wireless auscultation
-  FDA, CE, Health Canada, TGA Cleared

Unit price **\$249**
* can ship with headset detach by request



Eko CORE Digital Attachment

Transforms an analog stethoscope into a powerful digital tool. Compatible with most adult and pediatric stethoscopes.





-  Active Noise Cancellation
-  Up to 40x Amplification
-  Digital & analog modes
-  Attaches to most adult, pediatric, and neonatal analog stethoscopes.
-  FDA, CE, Health Canada, TGA Cleared

Unit price **\$199**



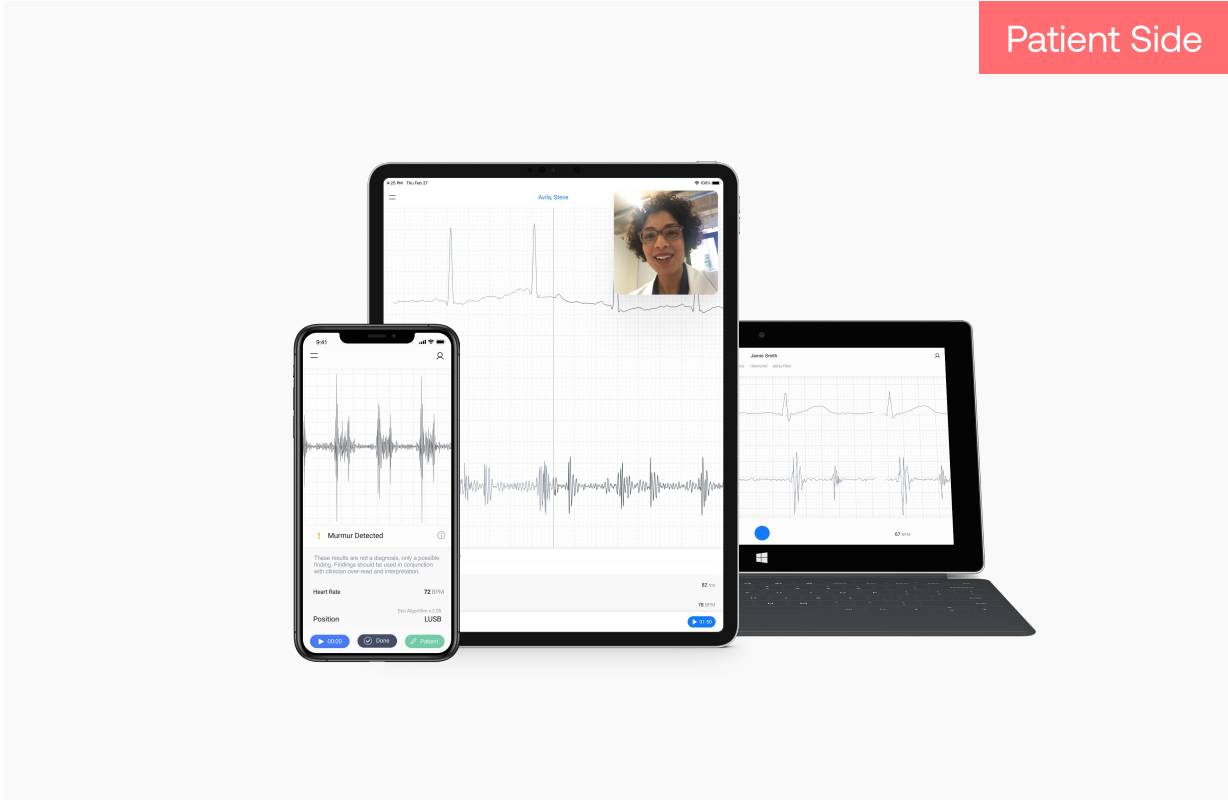
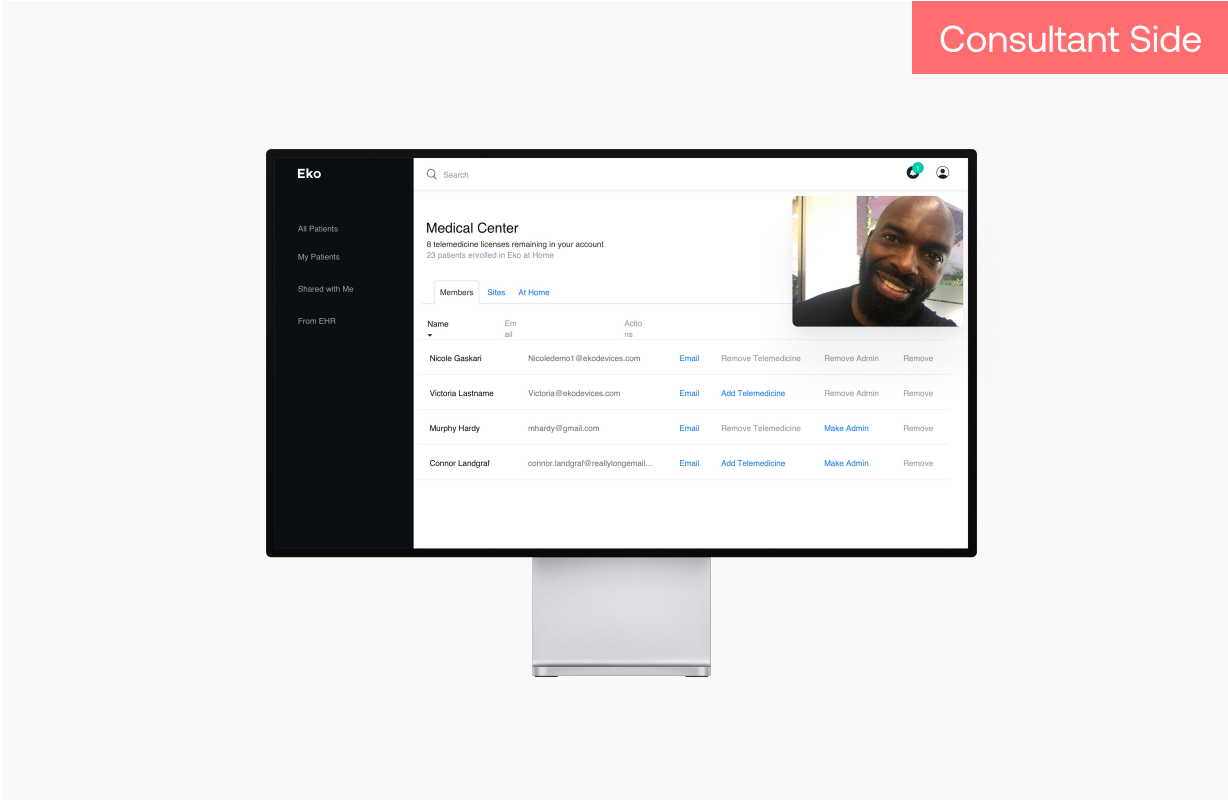
Eko DUO ECG + Digital Stethoscope

Gain unprecedented insight into cardiac function with first combined ECG & digital stethoscope.

-  Up to 60x Amplification
-  Single-lead ECG
-  Background noise reduction
-  Digital Heart & Lung Sounds
-  FDA, CE Cleared, Health Canada Cleared

Unit price **\$349**

Eko Software



Eko Dashboard

The Eko Enterprise dashboard ensures patient care, not complexity, remains the center of attention. Access video and stethoscope live streams, organize and annotate patient recordings, easily share files for a second opinion, and monitor cardiovascular health with newfound clarity.

- View heart sounds and ECGs
- Sync with your EHR
- Analyze for AFib and Murmurs
- Admin controls
- Data sharing across the care team
- HIPAA-compliant & BAA available

Eko Apps – iOS, Android, Windows

Eko’s iOS, Android, and Windows applications wirelessly pair with CORE and DUO, unlocking the ability to save, analyze and share ECG rhythm strips and heart sounds from a patient’s bedside.

- View heart sounds and ECGs
- Patient-friendly app for home monitoring
- Analyze for AFib and Murmurs
- Wirelessly stream to headphones under PPE
- Capture and save recordings
- HIPAA Compliant

Eko Telehealth – In Clinic

Includes: Eko AI and live streaming

\$100 / month

Billed Annually

Eko Telehealth – In Clinic + At Home + Video

Includes: Eko AI, live streaming, and video conferencing

\$200 / month

Billed Annually

Contact Information

“By bringing care to the patient through technologies like Eko, we can catalyze the evolution of patient experience at Sutter Health.”

Albert Chan
M.D., M.S., FAAFP,
Sutter Health Vice President and
Chief of Digital Patient Experience



Want to learn more?
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