corti

Revolutionizing healthcare.
One patient consultation at a time.

Lars Maaløe
Co-Founder & Chief Technology Officer @ Corti
Adj. Associate Professor @ Technical University of Denmark

Digital health is exploding

There’s now 50 billion patient consultations conducted a year.

Only 1% of patient consultations are quality assured

The pressure on caregivers is so high that **88% of diagnoses are altered** if tested by a second opinion.

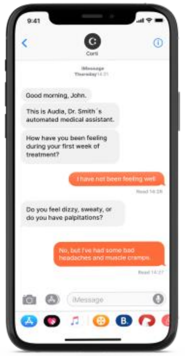
Physicians are becoming data clerks

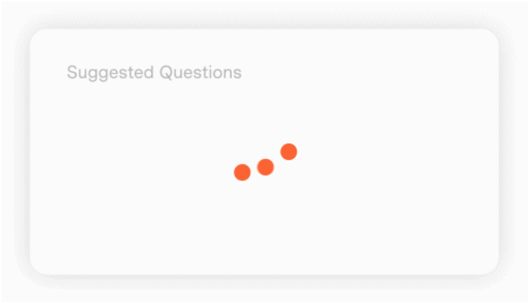
Telehealth physicians spend up to **50% of their day** in EHR documenting consultations.

* Link

Intelligent augmentations

Corti has built an artificial intelligence that listens in and understands virtual consultations.





Our AI is built by a world leading team of engineers in close collaboration with academia

+369 h-index **+938** i-index **+248k** citations

Accumulated over 6x Professors, 2x Associate Professors, and a number of PostDocs and PhD scholars

Excerpt of some of our latest work

Self-Supervised Speech Representation Learning: A Review

Abdelrahman Mohamed*, Hung-yi Lee*, Lasse Borgholt*, Jakob D. Havtorn*, Joakim Edin, Christian Igel, Katrin Kirchhoff, Shang-Wen Li, Karen Livescu, Lars Maaløe, Tara N. Sainath, Shinji Watanabe

Hierarchical VAEs Know What They Don't Know

Jakob D. Havtorn, Jes Frellsen, Søren Hauberg, Lars Maaløe

BIVA: A Very Deep Hierarchy of Latent Variables for Generative Modeling

Lars Maaløe, Marco Fraccaro, Valentin Liévin & Ole Winther

ON SCALING CONTRASTIVE REPRESENTATIONS FOR LOW-RESOURCE SPEECH RECOGNITION

Lasse Borgholt, Tycho M. S. Tax, Jakob D. Havtorn, Lars Maaløe and Christian Igel

In direct competition with the major AI labs

OpenAI DeepMind Meta

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Prior to this presentation, our AI has learned from

+15,000,000

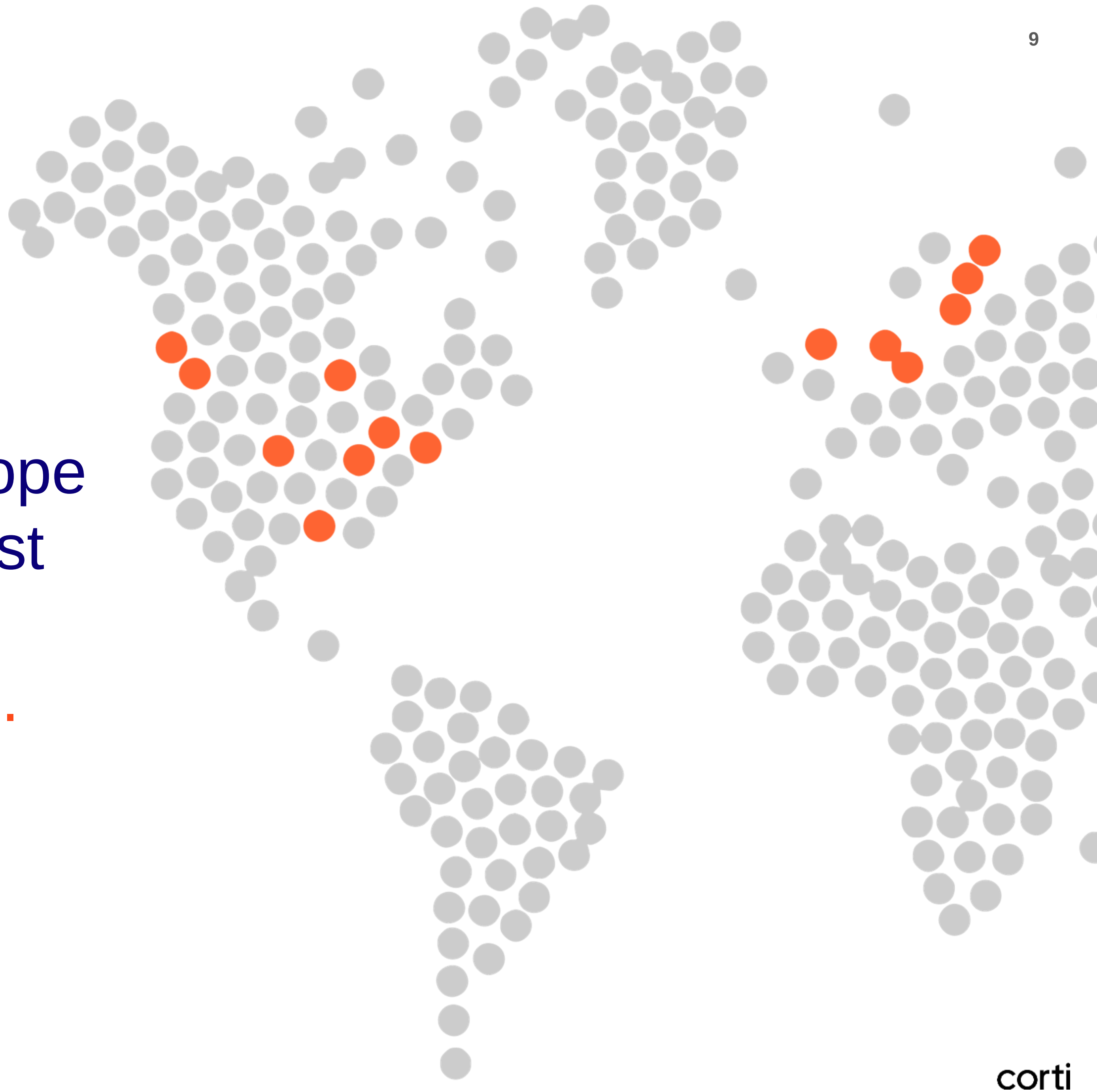
patient calls to medical command centers.

2016, we started where urgency is highest

Emergencies are our beachhead market, helping where it matters the most and getting the best data.

Servicing +50 million yearly encounters

We service customers in Europe and USA with some of the best annotated healthcare data, continuously improving the AI.



Our technology can solve the biggest challenges for healthcare services

Healthcare worker

Burnout and Churn

Citizens

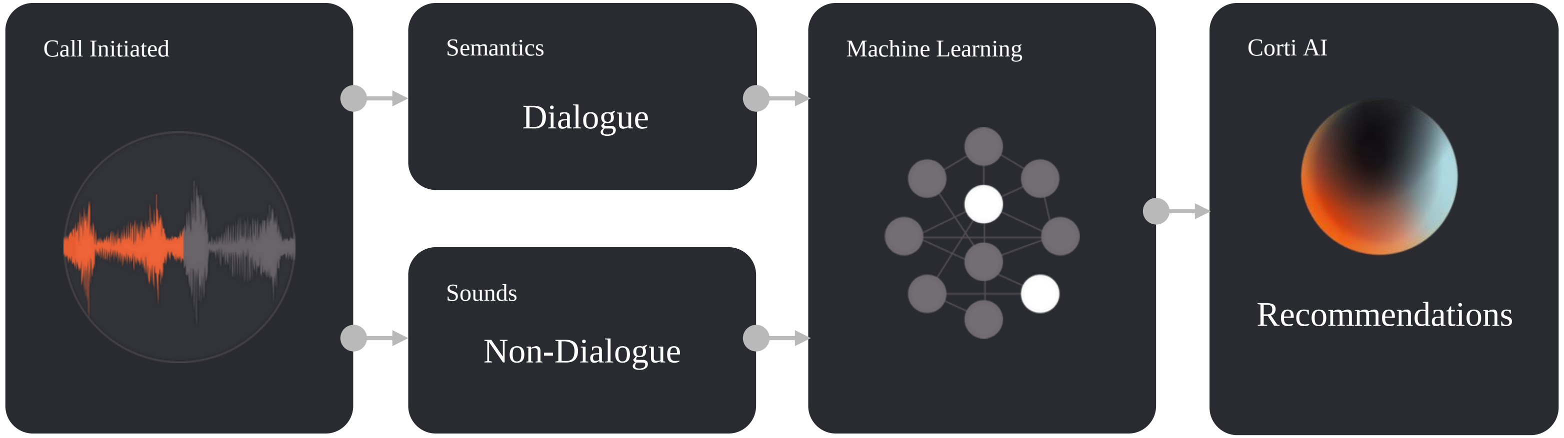
Healthcare Quality

Organization

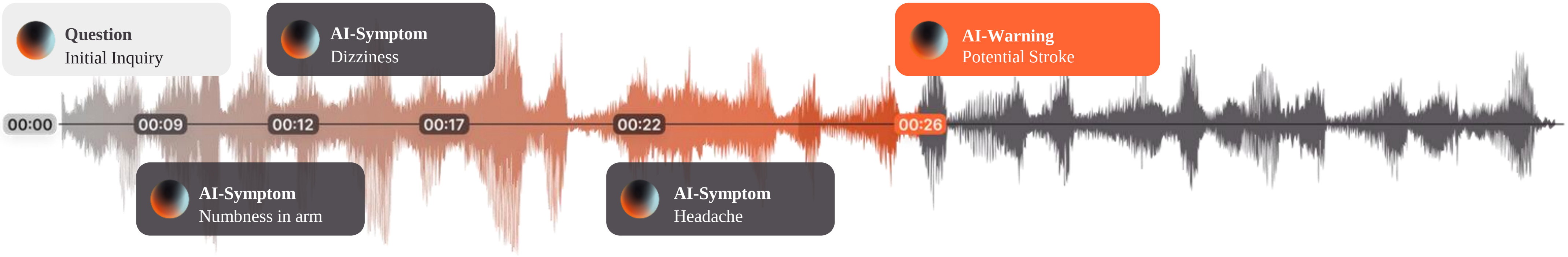
Trust and Credibility

[1] *“EMS services warn of 'crippling labor shortage' undermining 911 system.”* NBC News. 8 Oct. 2021, https://nbcnews.to/3M2PtAp
[2] *"Stress on the front lines of covid-19 - The Washington Post."* 6 Apr. 2021, https://wapo.st/3GRjnUy
[3] *"The longitudinal study of turnover and the cost of turnover in EMS."* 11 June 2010, https://bit.ly/3v8DiMz

Corti analyzes 100% of your communication

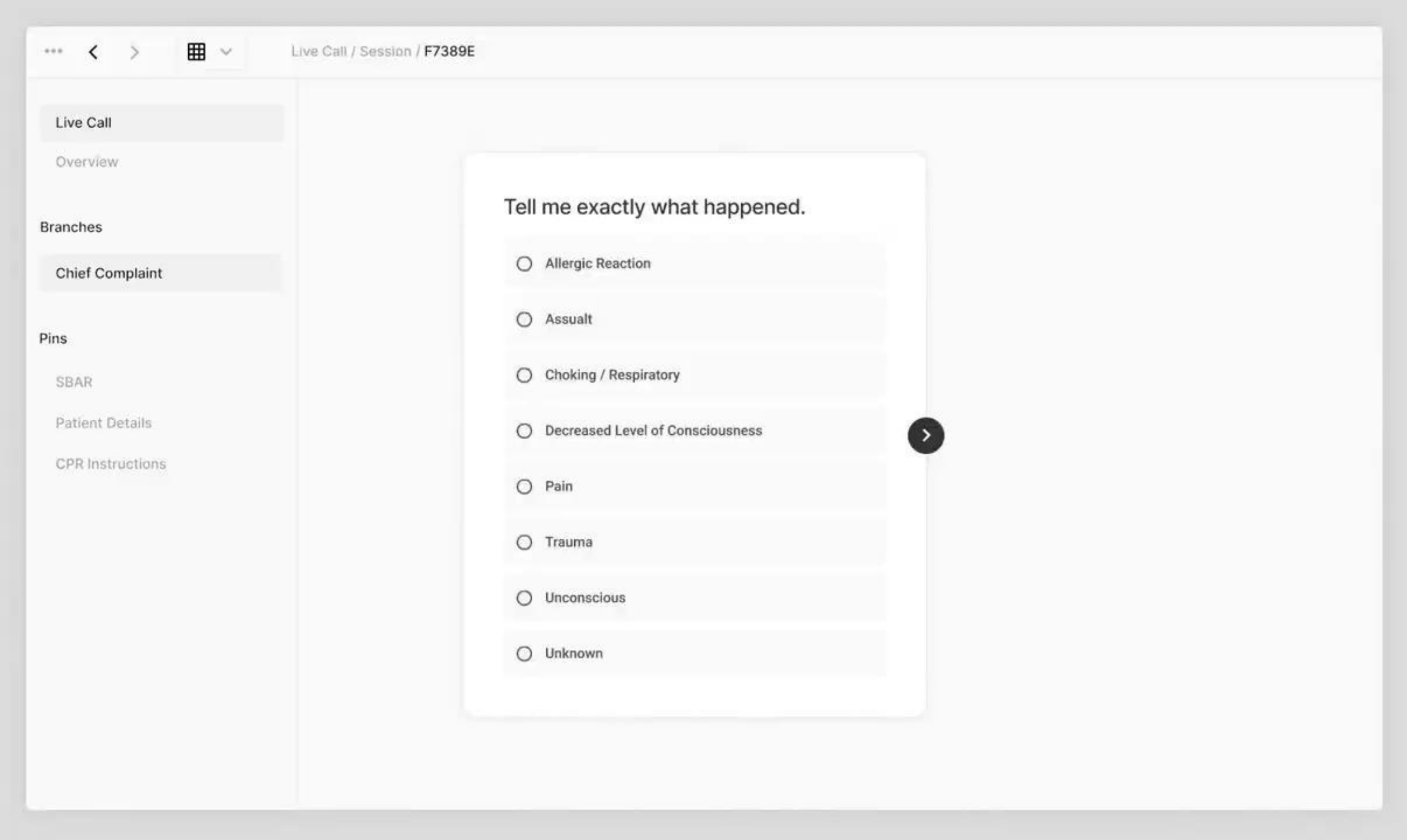


Automatic annotations of all communication



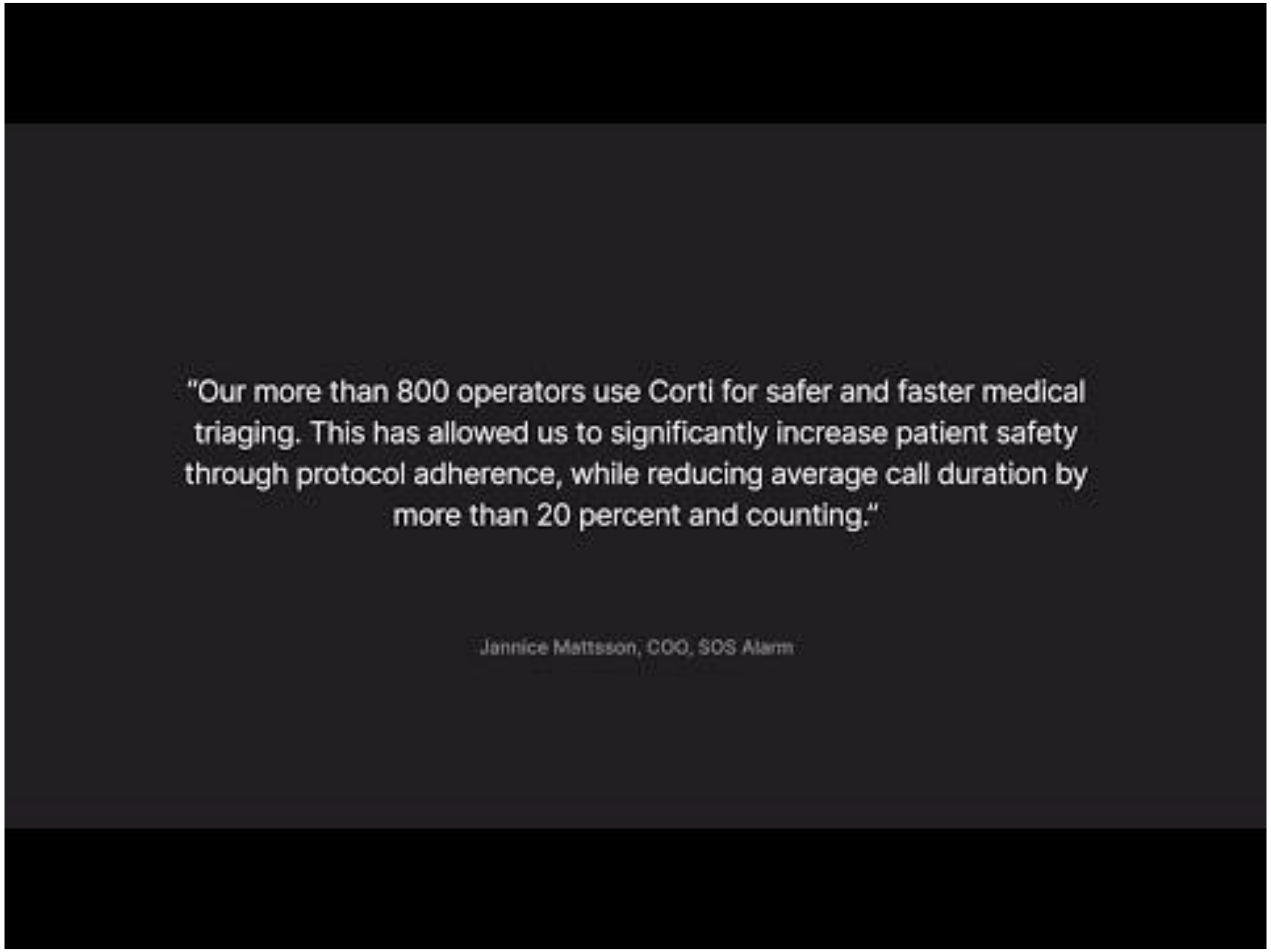
What we are most commonly known for

Triage a patient through workflow software with intelligent decision support



* Link to video

Reduced call duration in Sweden by +20%



* *Link to video*

Since 2016, we have optimized towards supporting the entire healthcare value chain

Jill, a Seattle resident, feels terrible. **She calls 911.**

Joe, the dispatcher, does not consider this an acute emergency.
He redirects to a nurse line.

Jane, the Nurse in Dallas, finds it necessary to arrange for a Telemedicine call.
She arranges a MD call.

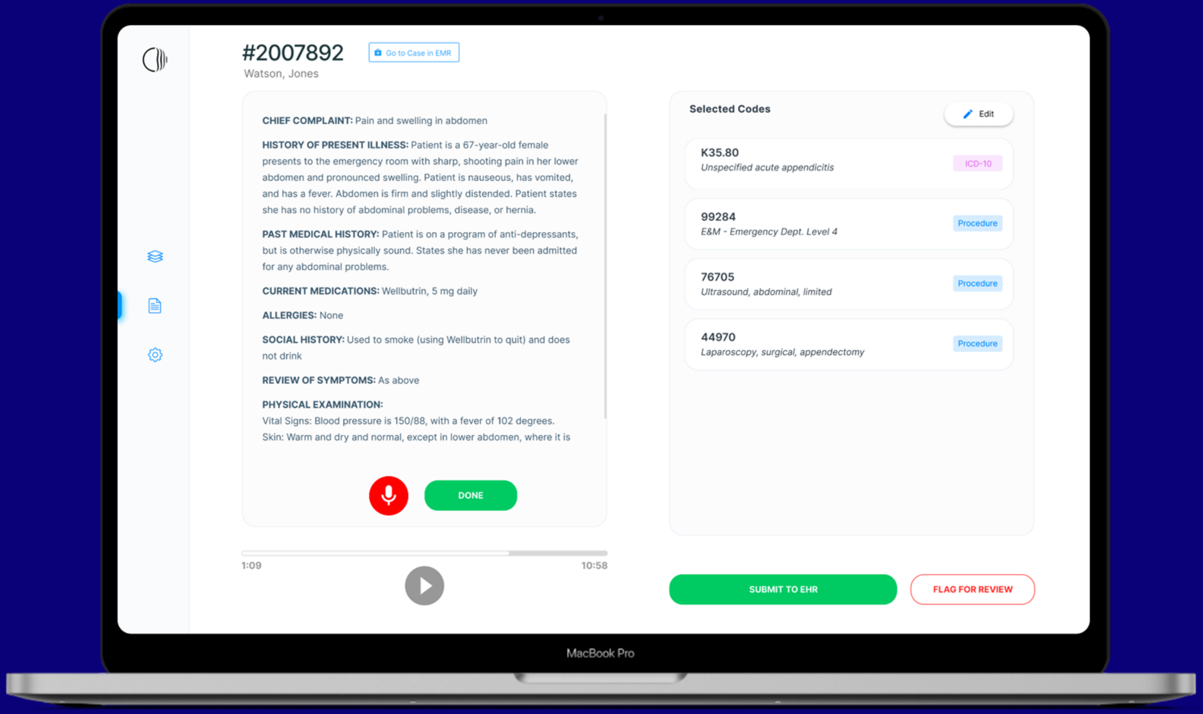
Brian, the Nurse in Inglewood, finds it necessary for a physical consultation.
She arranges the consultation.

Jannet, the Doctor in Seattle, finds the need for a procedure.
She arranges the procedure.

Donald, the Surgeon in Seattle, performs the procedure.
He wishes Jill all the best.

Example: Alleviating the administrative burden

Corti Code documents the patient interaction



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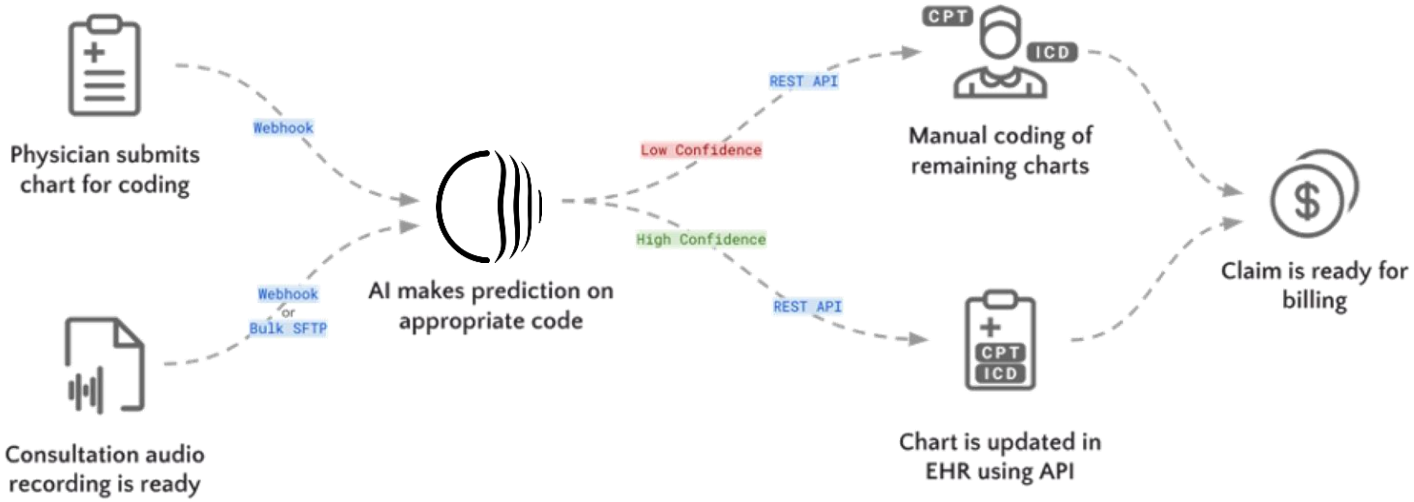
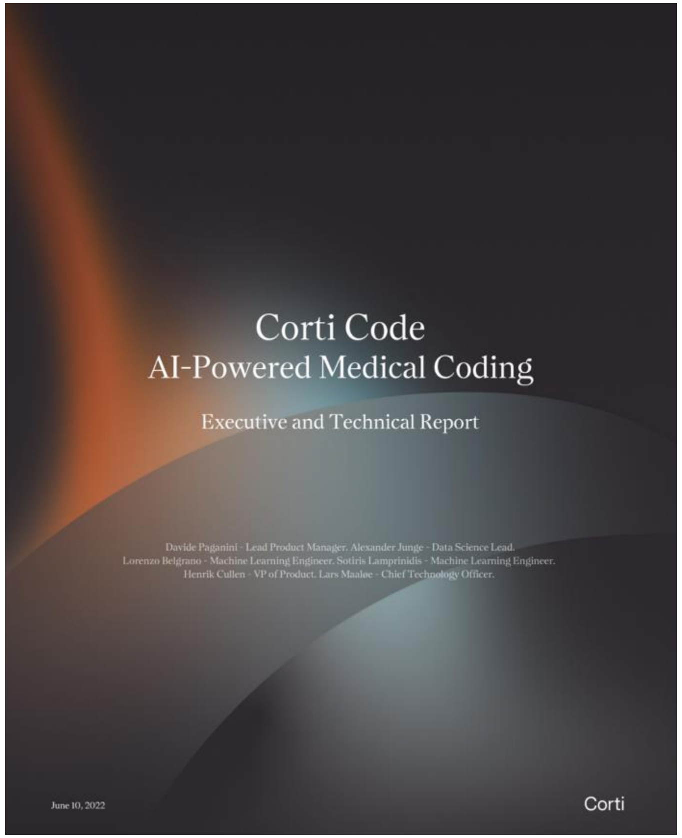
How it works


Physician submits chart for coding
Webhook
Consultation audio recording is ready
Webhook
or
Bulk SFTP
AI makes prediction on appropriate code
Low Confidence
High Confidence
REST API
REST API
CPT
ICD
Manual coding of remaining charts
CPT
ICD
Chart is updated in EHR using API
Claim is ready for billing

Recent Example: Winning a +100 hospital health provider

ICD-10 coding from audio in competition with a large set of companies



-> +75% of consultations are fully automated by AI.

-> +95% of consultations are gets the right code(s) through a top-5 recommendation engine.

Contact
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