

The Automated Narrative Summary Of The Patient Chart

Abstractive Health condenses all the clinical notes in the medical chart so physicians can spend their time caring for their patients.



Save Physicians Time

Abstractive Health saves doctors 1-2 hours per day.



Improve Patient Outcomes

We prevent clinicians from missing important information.



Improve Reimbursement

By addressing more diagnoses, doctors capture more revenue.

Problem

- Doctors are overwhelmed by documentation and have just 3 minutes to review a patient chart. Due to medical compliance and billing, physicians over-document in the medical records, which makes it hard for other physicians to review them and find important information.
- Relevant patient's information is buried within the hundreds of redundant clinical notes, and as a consequence, 36% of clinical information is missed by physicians after lab and radiology exams.
- Moreover, physicians spend 49% of their time in EMRs, while just 27% is spent with patients.



36%

Missed Information

49%

Documentation Time

27%

Patients Time

Team



Vince Hartman, Co-founder & CEO

10 Years in Health Tech at Epic & Accenture
M.S. in CS at Cornell Tech, Specialty in NLP



Curtis Cole, MD, Advisor

Chief Information Officer
Weill Cornell Medicine



Ritika Poddar, Co-founder & CTO

Software Engineer at IBM & Verizon
M.S. in CS at Cornell Tech, Specialty in NLP



Chloé Shuhan Wang, Advisor

Anesthesiology Resident
NYC Health + Hospital



Giordana Pulpo, Co-founder & VP of Product

UX Engineer and Product Designer
MPS in Product Design at Parsons/Cornell



Jenny Juarez, Advisor

Vice President
Goldman Sachs



Pilot with New York Presbyterian in the Emergency Department



Pilot with the Department of Health in Abu Dhabi

Product

- The narrative summary allows physicians to quickly understand the context around patient health and shows the most relevant information. Physicians can also easily make edits to the summary.
- If physicians click on a sentence, they are directed to the clinical note that we used to generate that sentence.





Dr. Pulpo



LOG OUT

John, Smith

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Saved



SUBMIT

Patient Summary

HPI:

69M s/p whipple 1/20 and revision RY for peri-ampullary mass c/b anastamotic breakdown at PJ, re-explored 2/5 for washout/fistula control. Now ECG on 12/12 showed extensive precordial lead QRS voltage consistent with left ventricular hypertrophy.

...

Daily Course:

ECG on 9/28 showed improved blood flow, but no improvement in heart rate.

Pt is s/p redo of jejeunal-hepatic anastamosis with gastric resection and J tube placement through enterocutaneous fistula, with recurrent fevers, elevated WBC, rising Tbili, all suggestive of cholangitis. Transferred to SDU on 10/10. Tube feeds restarted on 2/3.

Pt is s/p redo of jejeunal-hepatic anastamosis x 2 and j tube placed through enterocutaneous fistula now with hypotension and change in MS. Pt taken to IR today for PTC placement w/ incidental puncture of hepatic artery. Transferred to SDU on 8/8. Pt deemed stable for

Clinical Notes

Admission Note

11/18/2023

ECG Report

11/18/2023

Intensivist Note

11/18/2023

CATEGORY: Physician , DESCRIPTION: Intensivist Note, LICENSE: MD, TEXT: SICU HPI: 69 yo M s/p whipple c/b biliary enteric and enterocutaneous fistulas now with fevers/ FTT, likely cholangitis HPI: PUD s/p roux-en-y/gastric bypass and duodenal adenoCA s/p whipple [12-28] complicated by biliary enteric and enterocutaneous fistula. Pt is s/p redo of jejeunal-hepatic anastamosis x 2 and j tube placed through enterocutaneous fistula, with recurrent cholangitis thought secondary to reflux of enteric contents into biliary tree, now s/p biliary drain, with fevers, elevated WBC, rising Tbili, all suggestive of cholangitis. Hypotensive requiring fluid boluses, now on aztreonam, cipro, and flagyl Chief complaint: Change in ms, anemia PMHx: PMH: duodenal adenocarcinoma, HTN, PUD, ECF PSH: s/p gastric resection for PUD s/p revision with Roux-en-Y and partial gastrectomy in [2143] s/p whipple, as above [2173-1-20] s/p takeback for repair of

97% accuracy
at identifying clinical
follow-up sentences

10k patient charts
from Weill Cornell to
train our model

Filed a patent
for our novel NLP
clinical summary

**Research
published**
in a peer-reviewed
journal (AMIA)



Abstractive Health is a game changer for physicians. Our narrative summary condenses all the clinical notes and allows physicians to read and write clinical notes faster.

Our automated narrative summary significantly assists physicians in keeping on top of their patients' medical history.

The use of our auto-generated summary speeds up the admission and discharge workflow and ensures relevant information is delivered quickly during transitions of care.