INFO23

8 - 12 JULY 2023 | SYDNEY, AUSTRALIA



@TheLizArmy

Getting Ready for Open Everything

Liz Salmi

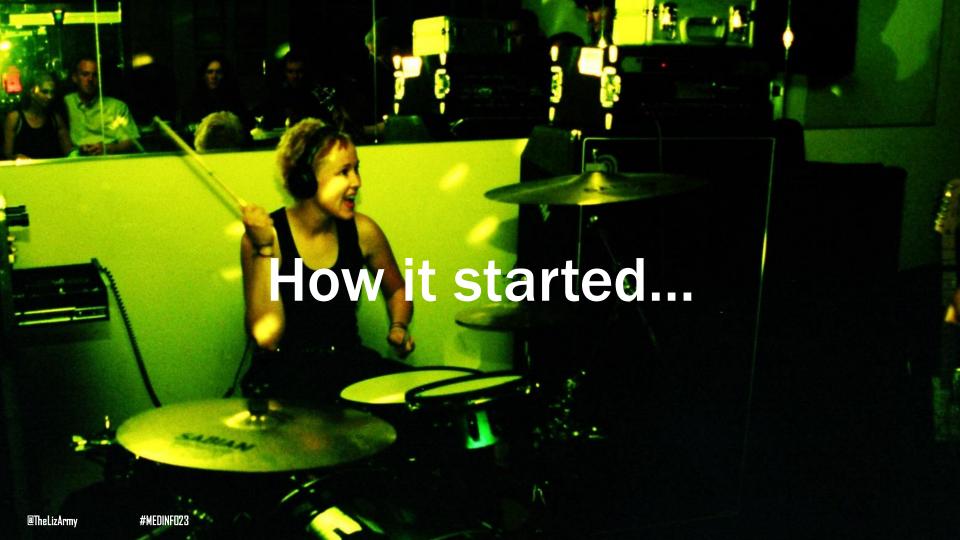
Communications & Patient Initiatives Director

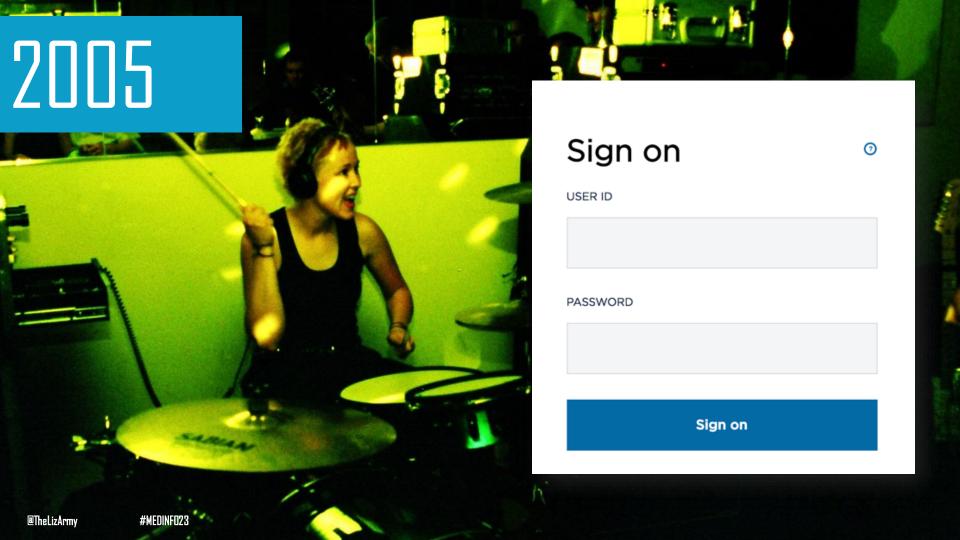
OpenNotes

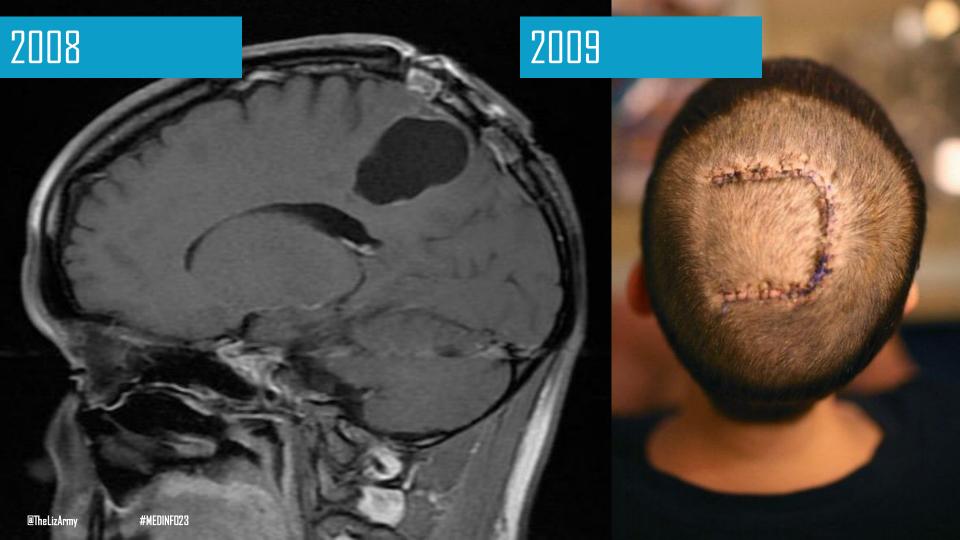
Beth Israel Deaconess Medical Center

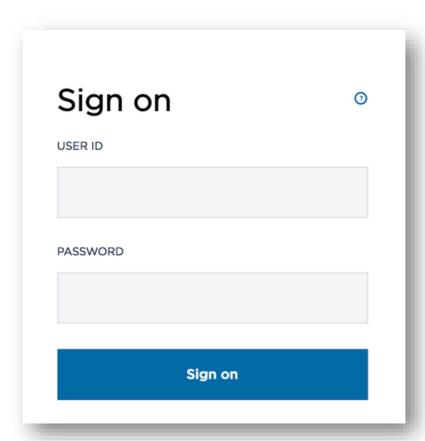
Harvard Medical School

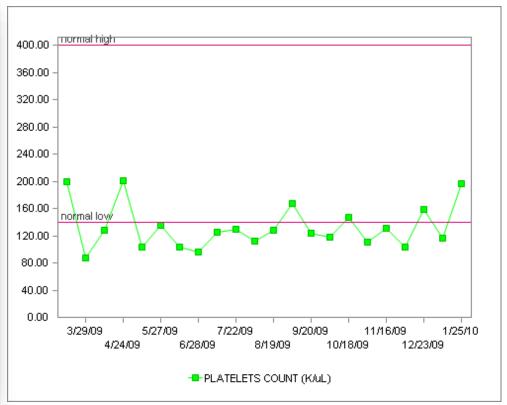












2017



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Progress Notes (M.D.) at 12/16/2016 3:31 PM Version 1 of 1 Author Type: Physician Service: (none) Note Time: 12/16/2016 3:31 PM Status: Signed

(M.D.) (Physician)

Neuro-Oncology Clinic Sacramento Medical Ce

Follow-up Patient Evaluation

Elizabeth Salmi is a 37 Y female who is seen today for follow-up of low grade astrocytoma WHO grade II. She has been on observation and we have been checking MRI scans every 6 months. She reports normal activities without any restrictions. She exercises regularly and has problems with strenuous physical activity. She has good compliance with medications. She takes her anti-convulsants consistently and has not had any breakthrough seizures.

Oncologic history:

Progress Notes by

She was diagnosed on July 25, 2008 after presenting with a generalized tonic-clonic seizure. She underwent a resection of the lesion on September 17, 2008 by Dr. in Sacramento, Pathological examination revealed a low grade astrocytoma WHO grade II with gemistocytic features. Surveillance MRI 3 months later showed enhancement in the resection cavity and she underwent a second resection on February 6, 2009. The pathology was the same which was confirmed with a second opinion at UCSF. Due to the presumed progression, she was offered adjuvant therapy and was advised to have temozolomide. She received

Progress Notes by M.D.) at 12/16/2016 3:31 PM (continued) Version 1 of 1 temozolomide 150 mg/m2 5/23 for 24 cycles from 2/2009 to 4/2011.

Active Ambulatory Problems

Active Allibulatory i Toblellis	
Diagnosis	Date Noted
PARTIAL EPILEPSY.	10/09/2008
ASTROCYTOMA, BRAIN GRADE 2	10/22/2008
 LEFT SENSORINEURAL HEARING LOSS. 	02/05/2009
 ANXIETY DISORDER DUE TO ANOTHER MEDICAL CONDITION 	02/11/2009
• ECZEMA	11/01/2010
CONGENITAL KERATOSIS PILARIS	01/11/2011
HX OF CHEMOTHERAPY	07/27/2011
HX OF CRANIOTOMY	07/27/2011
GENETIC CANCER RISK EVALUATION	11/17/2015

Substance Use Topics

 Smoking status: Never Smoker Smokeless tobacco: Never Used

Alcohol Use:

Physical Exam:

BP 127/67 mmHg | Pulse 59 | Temp(Src) 97.9 °F (36.6 °C) | Wt 156 lb (70.761 kg)

Constitutional: Appears well, no distress

Mental status: Alert, oritented X 3, able to name and repeat, good fund of knowledge, normal comprehension Gait: Normal.

Secondary Review of Imaging:

MRI brain 12/12/16, 7/21/16, 4/26/13 are reviewed. There is a left parietal lobe resection cavity with small areas of FLAIR hyperintensity around it (residual tumor). There is no enhancement. The scans are stable and there is no evidence of growth.

Diffuse Fibrillary Astrocytoma WHO grade II IDH mutant

ATRX mutant

MGMT methylated

Clinical Summary:

Elizabeth Salmi is a 37 Y woman with a left parietal lobe low grade astrocytoma WHO grade II with gemistocytic features. She had two resections (9/2008 and 2/2009) and 24 cycles of temozolomide 150 mg/m2 completed in April 2011. She is currently stable without any evidence of disease progression clinically and radiographically. She is being followed closely with clinical examinations and MRI scans. We will continue observation and surveillance MRI scans

We will maintain current doses of anti-seizure medication and continue to observe

Assessment:

- Neuro-Oncology: low grade astrocytoma, WHO grade II, left parietal lobe, stable
- Epilepsy, localization related, good control

Plan is as follows:

- Neuro-Oncology therapy: continue surveillance MRIs, no active treatment indicated at this time.
- MRI: 6 months
- Seizures: continue levetiracetam 1500 BID, lacosamide 200 mg BID
- Symptom management: None
- Social issues: none
- Psychological: no significant problems
- Advance directives status: completed
- Follow-up: 6 months







Patients like me are created every day

2008





Beth Israel Deaconess Medical Center





2012

original study published



- 105 primary care clinicians
- **20,000** patients:
 - Boston
 - Pennsylvania
 - Seattle

Since replicated around the world...



Surveyed before the study

Doctors

Patients









Surveyed after the study

Doctors



Patients





Patients who read notes feel more engaged in their care



lout of 6 patients reported taking medications more accurately

Remember more from medical visits

Caregivers benefitted

Felt the same or better about their doctors

Mutual trust

between doctors and patients increased





Sometimes I forget what is said to me...
it is so nice to be able to go back
and read exactly what my doctor
was telling me...

A patient Mayo Clinic Rochester, Minnesota



Patients who read notes can find errors in time to prevent harms





Weeks after my visit, I thought, Wasn't I supposed to look into something?

I went online immediately. Good thing! It was a precancerous skin lesion my doctor wanted removed (I did).

A patient

Beth Israel Deaconess Medical Center
Boston, Massachusetts



Historically disadvantaged populations report the greatest benefit from open notes



Most clinicians report little to no change in workflows





OpenNotes isn't a health IT project
—it is a change management project.

Christopher Longhurst, MD, MS Chief Medical Officer, Chief Digital Officer UC San Diego Health, San Diego, California







QUALITY **& SAFETY**

>100 published studies & commentaries





Journal of **Medical Internet** Research











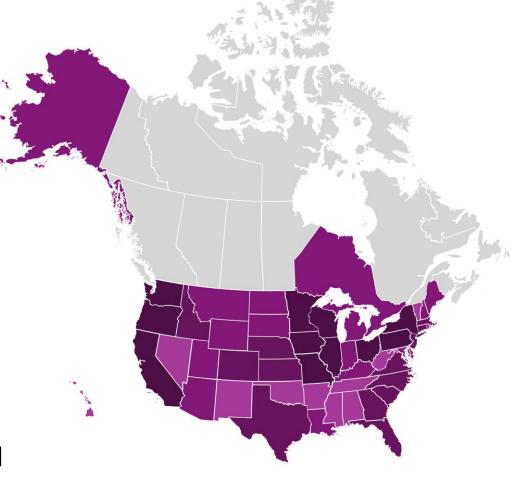


#MEDINFO23



2020

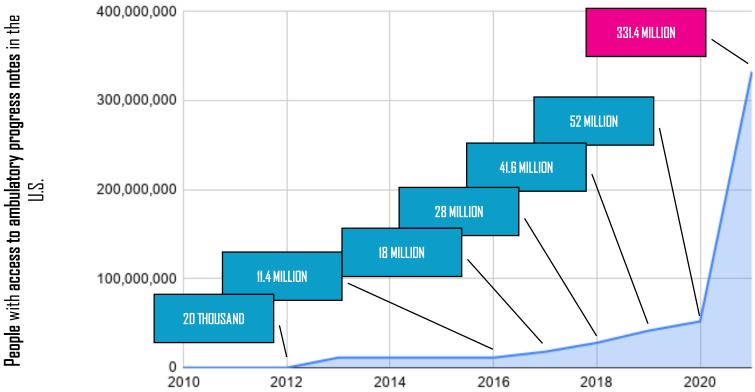
- **√ 260** organizations
- √ 52 million people
- \checkmark **15%** of U.S. population



21st Century Cures Act

- ✓ Empowered Americans with their health data
- ✓ Delivered to computers, cell phones & mobile apps
- ✓ Without charge, without delay
- ✓ All federally-funded research must be open access





OpenNotes spread in the U.S. (2010-2021)

Source: unpublished data at opennotes.org

Open everything catalyzes culture change

• 2005: Estonia **EE**

• 2012-2018: Sweden SE

• 2021: United States US

• 2023: England



• Australia? AU



Implementation tips

Publications alone are not enough

 Find your champions right away

• Dissemination strategies needed for all stakeholders (clinicians, executives, policymakers, EHR vendors, patient advocates)

Getting ready for open everything

What is the sequencing?

- Education first?
- Share everything all at once?

How it started... How it's going

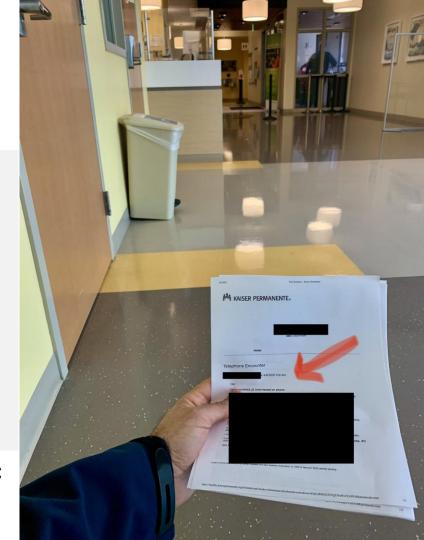
April 6, 2021

In the ER again for another electrical cardioversion... this time armed with instant notes from an appointment not even two hours ago. Thank you #opennotes.

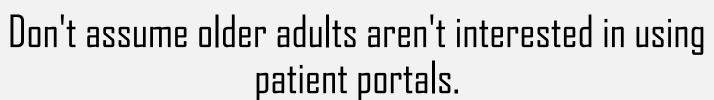
This is real patient #empowerment



@HugoOC



June 14, 2023



Last week, my patient in their late 70s asked when my clinical notes would be available for them to see in the portal. Today they complimented me on them!

Andrea Bradford, PhD (@ABradfordPhD)

health psychologist, Houston, Texas



This time...

✓ Remind me of the plan

✓ Answer questions

✓ Spot inaccuracies

December 2021



I noticed my surgical report says I am a 'right handed' person, but I am left handed. I believe this is a typo...

12/10/2021 12:49 PM Operative Report addendum by



Transparency is logical and ethical

We don't own the open notes movement. You do.



8 - 12 JULY 2023 | SYDNEY, AUSTRALIA

Liz Salmi

Isalmi@bidmc.harvard.edu @TheLizArmy

OpenNotes.org



Beth Israel Deaconess Medical Center

