The Human is the loop: Lessons in deploying AI in the wild
Errors in Radiology: Type 1 or 2?

• Type 1 - Cost Implications, over diagnosis.

• Type 2 - Where the trouble is.
**AlemHealth Corporate Presentation**

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**a.**

- Scheduling
- Reception
- Pre Scan
- Scan
- Rate-limiting Step

**b.**

1. Technologist retrieves next requisition
2. Has radiologist protocolled study?
   - Yes: Begin procedure in RIS
   - No: Contact radiologist for protocol
3. Download relevant protocol
4. Set up MRI scanner with information
5. Prepare room
6. Retrieve patient & escort to room
7. Explain procedure
8. Perform MRI
   - Did patient tolerate MRI?
     - Yes: Contact radiologist regarding management
     - No: Contact radiologist for protocol
     - Contact radiologist regarding management
9. Verify quality of images
10. End procedure in RIS
The other humans in the Loop – users

• How?
• Who?
• When?
• Where?
• Why?
The Myth of the Structured Dataset

• At hospital-scale, classification is a massive undertaking

• Annotation is even worse

• The alternatives are decidedly undesirable
How to totally avoid human contact