epiXact: Hospital-acquired infection (HAI) outbreak detection for health systems

- In Fall 2020, became technical and product lead for epiXact*, the company's first commercial offering
- Process:
 - Requested by email or on our website
 - Samples collected from patients suspected of HAI outbreak infection and sent to DZD
 - Sequencing => Analysis => Report



*in addition to MicrohmDB

epiXact: Key results

- Co-led Clinical Laboratory Improvement Amendments (CLIA) certification with Lab Director, which enabled epiXact to be ordered as a lab test
- Automated analysis and reporting to shorten turnaround time from ~1 week to less than 48 hours, which became an SLA we promised customers
 - Speed was critical for our customers because each day increased likelihood that more patients would be infected by an outbreak
- Updated design of our report for CLIA certification and also to improve CX/ UX
- Projects/ deals grew from ~1 per quarter to ~3-4 per quarter



epiXome: New product development

- Worked with our BD team, Marketing and CEO to develop new commercial offerings built on top of epiXact technology
- Part of the business challenge with epiXact is that it was "spiky", and we often struggled for customers to do regular/ repeat deals with us
- epiXome would be a continuous surveillance service for health systems to proactively detect and control for outbreaks
- I led the new product development process from concept/ design to launch

