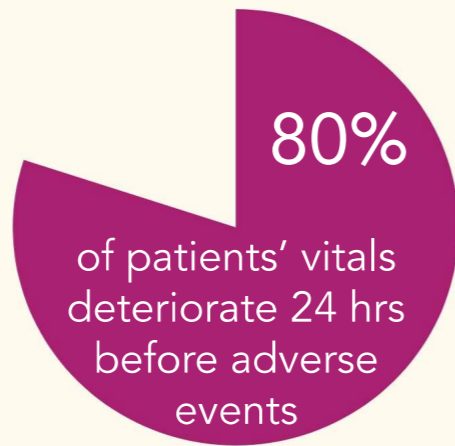
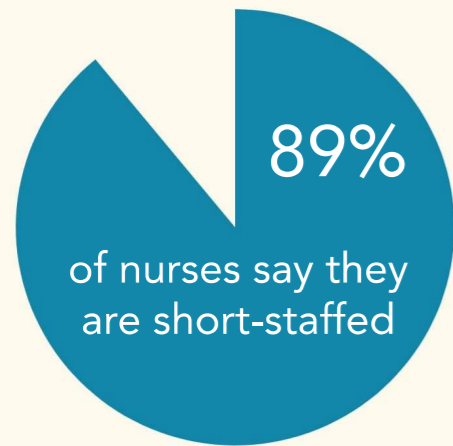


PROBLEM



- Causes of faulty detection
 - Lack of knowledge
 - Subjective assessments
 - Lack of time



VITALBREATH

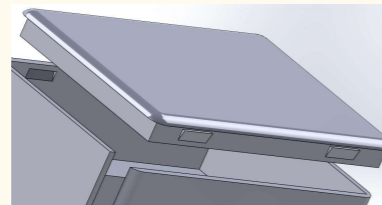
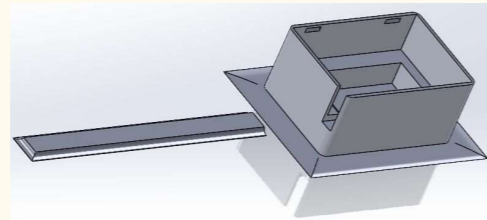
Every Breath Matters

MARKET

- ~33,000 hospitals in Europe, Canada, and the US
 - Growing 1.019% every year.
- Medical devices market
 - \$140.23 billion in 2023
 - Expected to grow 25.4% from 2024 to 2030
- Expected sales
 - 10 Devices/Hospital

SOLUTION

- Continuous monitoring
 - Respiration rate
 - Depth
 - Symmetry
- No more manual measurements
 - Irregularities easier to spot
 - Saves nurses time



OUR TEAM

Software and Hardware Development



Jennifer Jimenez

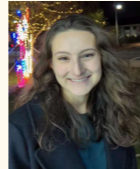


Michael Nunez



Abbey Woods

Casing Design/Manufacturing



Raleigh Sevigny

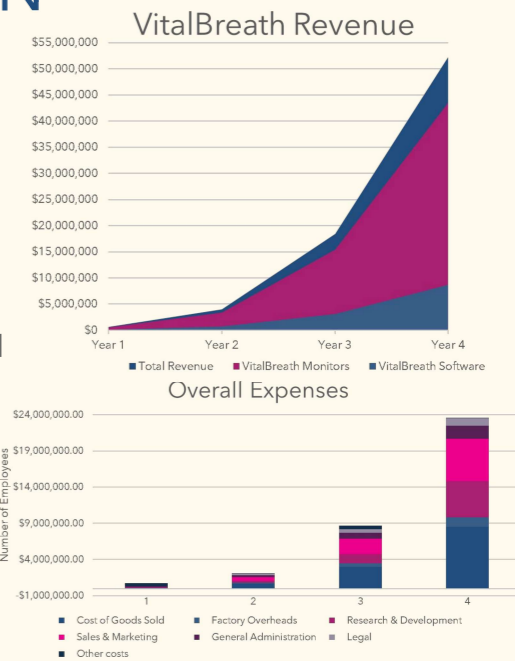
Business/Financial Planning/Leadership



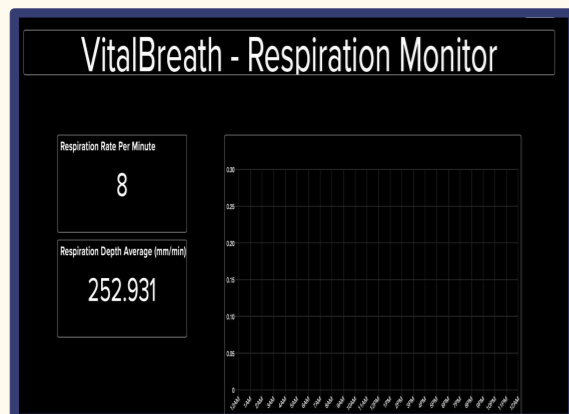
James Voos

BUSINESS PLAN

- Expansion plan
 - Year 1 - NC, SC, VI
 - Year 2 - Southeastern US
 - Year 3 - United States
 - Year 4 - US, Canada, and EU
- Profitable Year 2
- Cost
 - \$500 for both sensors
 - \$1000 for software/year

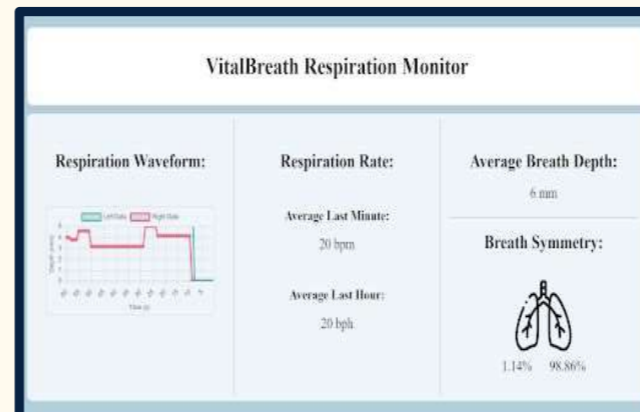


PROTOTYPE 1



- Accelerometer
- PLA Casing
- Adafruit.io GUI
- 2 second data transmission

PROTOTYPE 2



- Flex Sensor
- TPU Casing
- Custom GUI
- 0.3 second data transmission

MOVING FORWARD

- Sleeker casing design
- 3rd Party Tested and Approved
- FDA/EMA approval
 - FDA in Year 1 and EMA in Year 3

ACKNOWLEDGEMENTS

- EEP Faculty
 - Marshall Brain
 - Beryl Pittman
 - Seth Hollar
- Plexus Mentor
 - Kelsey Ling