Background
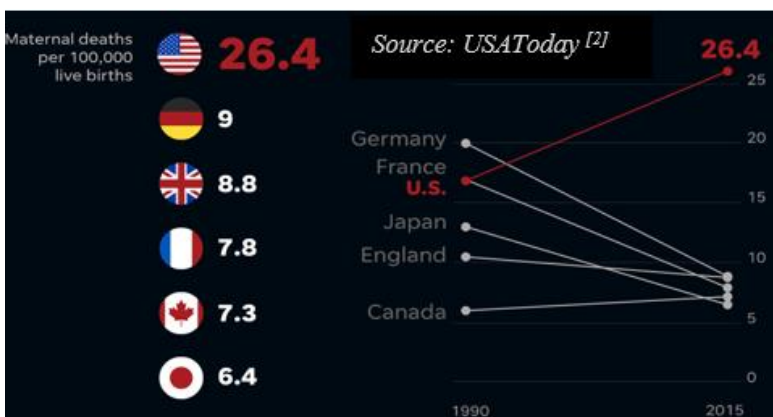
The United States has the highest maternal mortality per 100,000 live births among most industrialized countries in the world[2]. In the United States, about **700 – 900 women die**, and over 50,000 other women suffer severe complications or life-altering injuries yearly from childbirth[1]. According to the CDC, the overarching factors contributing to maternal deaths include: "Access to standardized and quality care", "Missed or delayed diagnosis", and "Patients not recognizing their warning signs"[1][3]. In fact, the CDC predicts that *about 60% of these maternal deaths could be preventable* – that is, 3 in 5 pregnant women lives that could be saved[1]. Our solution will benefit all women of childbearing age, *especially black women who are 2 – 3 times more likely to die during childbirth than their white counterparts*[4].

About Aware.ai

Aware.ai is a platform for new and expectant mothers that combines education and community engagement with *personalized pregnancy risk assessment* to address maternal-fetal health before, during, and after pregnancy. We *assess risk factors* for new and expectant mothers by analyzing their data and providing *personalized feedback* to help them make sense of *warning signs* they might be experiencing. We then use this assessment to match and refer patients to the appropriate healthcare provider that meets their special pregnancy needs or communicate risk information to an already existing healthcare provider.

We are an early-stage start-up looking to grow our team.

The Candidates We are Seeking

+*Computer Science (or related technical field) PhD students* with industry experience in back-end software and algorithm development for AI applications.

- Strong knowledge in data mining and machine learning.
- Passion for women's health.
- Familiarity with React/React Native is a plus.

+*MBA students* with marketing experience within the healthcare industry/health tech.

- Experience in market research and developing go-to-market strategy for tech products.
- Passion for women's health.
- Previous start-up experience is a plus.

Please direct all inquiries to dajoku@andrew.cmu.edu. Thanks!

---

[1] "Pregnancy-related Deaths." Center for Disease Control and Prevention (CDC). https://www.cdc.gov/vitalsigns/maternal-deaths/index.html

[2] "How hospitals are failing new moms, in graphics." USA Today. https://www.usatoday.com/deadly-deliveries/interactive/how-hospitals-are-failing-new-moms-in-graphics/

[3] "Report From Maternal Mortality Review Committees: A View Into Their Critical Role." Pg. 24. CDC Foundation. https://www.cdcfoundation.org/sites/default/files/files/MMRIAReport.pdf

[4] "Infographic: Racial/Ethnic Disparities in Pregnancy-Related Deaths — United States, 2007–2016." Center for Disease Control and Prevention (CDC). https://www.cdc.gov/reproductivehealth/maternal-mortality/disparities-pregnancy-related-deaths/infographic.html