# INTRODUCTION

• Lack of access to high-quality, specialized surgical and anesthesia care for obstetric patients is a cause of significant morbidity and mortality throughout low- and middle-income countries (LMIC).<sup>1-2</sup>

- One study estimated that 21.1 million disability-adjusted life years are avertable by fully equipping LMIC with quality obstetric surgery and anesthesia resources.<sup>1-2</sup>
- In 2017, the country of Ethiopia had the fourth highest maternal mortality globally.<sup>3</sup>
- At St. Paul's Hospital in Addis Ababa, the country's largest labor and delivery services, the 2020 maternal mortality rate was 228.3 maternal deaths per 100,000 live births (LBs), a rate lower than many other Ethiopian institutions but still well above the United Nations' Sustainable Development Goal of less than 70 deaths/100,000LBs.<sup>4-5</sup>

**IMPACT** 

**AFRICA** 

**David Geffen** 

School of Medicine



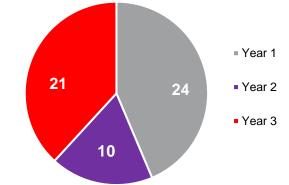
https://www.utoledo.edu/med/globalhealth/addisababaEthiopia.html

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## **METHODS**

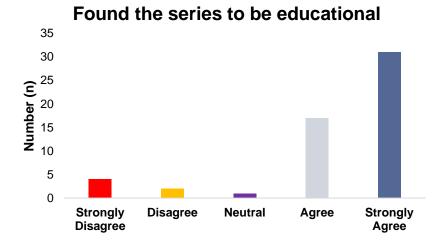
- Black Lion Hospital (BLH), located the capital of Addis Ababa, is Ethiopia's
- largest referral hospital. BLH hosts an anesthesia residency program consisting Residency Year of Survey Respondents of **87** total residents across three anesthesia training years.
- Over the span of four weeks, a senior UCLA anesthesia resident (mentored by anesthesiology faculty in both obstetric anesthesia and global anesthesia) delivered a total of **eight** hour-long lectures (2 per week) to these anesthesia residents over Zoom.
- Each lecture's remote audience consisted of between 38 and 50 residents from the three training years.
- A survey was circulated at the end of the lecture series, with a total of **55** respondents (**63.2%** of all residents).



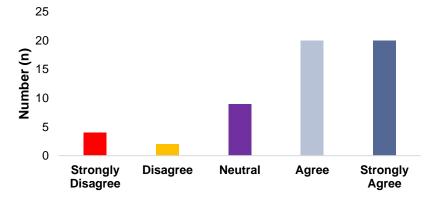


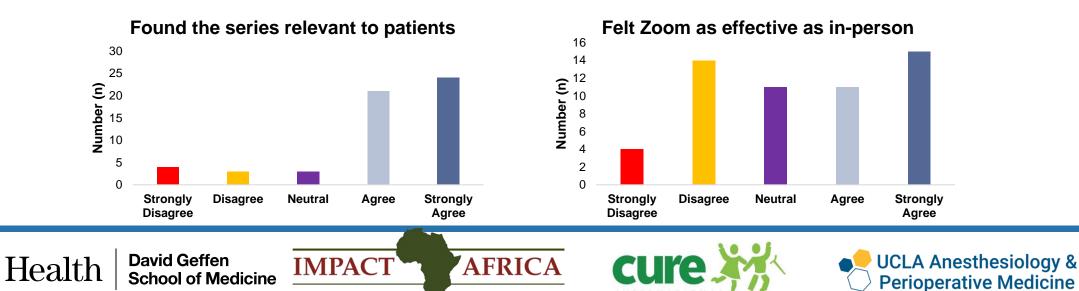
### RESULTS

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#### Felt the series changed OB practice





# **CONCLUSION/DISCUSSION**

• Virtual technologies have already been employed to deliver obstetric anesthesia simulation trainings,<sup>7</sup> to deliver antenatal care<sup>8</sup>, and formulate specialized obstetric anesthesia plans.<sup>9</sup>

\*Our preliminary survey findings suggest that a virtual obstetric anesthesia lecture series for residents in LMICs can also be successfully done, especially when implemented with guidance from local physician educators who understand the pedagogical needs and priorities of the audience.

• Improving anesthesia providers' access to evidence-based specialized approaches to caring for obstetric patients will assist them in independently reaching their targets for reductions of maternal morbidity and mortality within their respective communities.



**IMPACT** 

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