

# **Current Gaps in Medical Education as Illustrated by the COVID-19 Pandemic:**

## **Interviews with Physicians Across Various Medical Specialties**

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# Study Aim

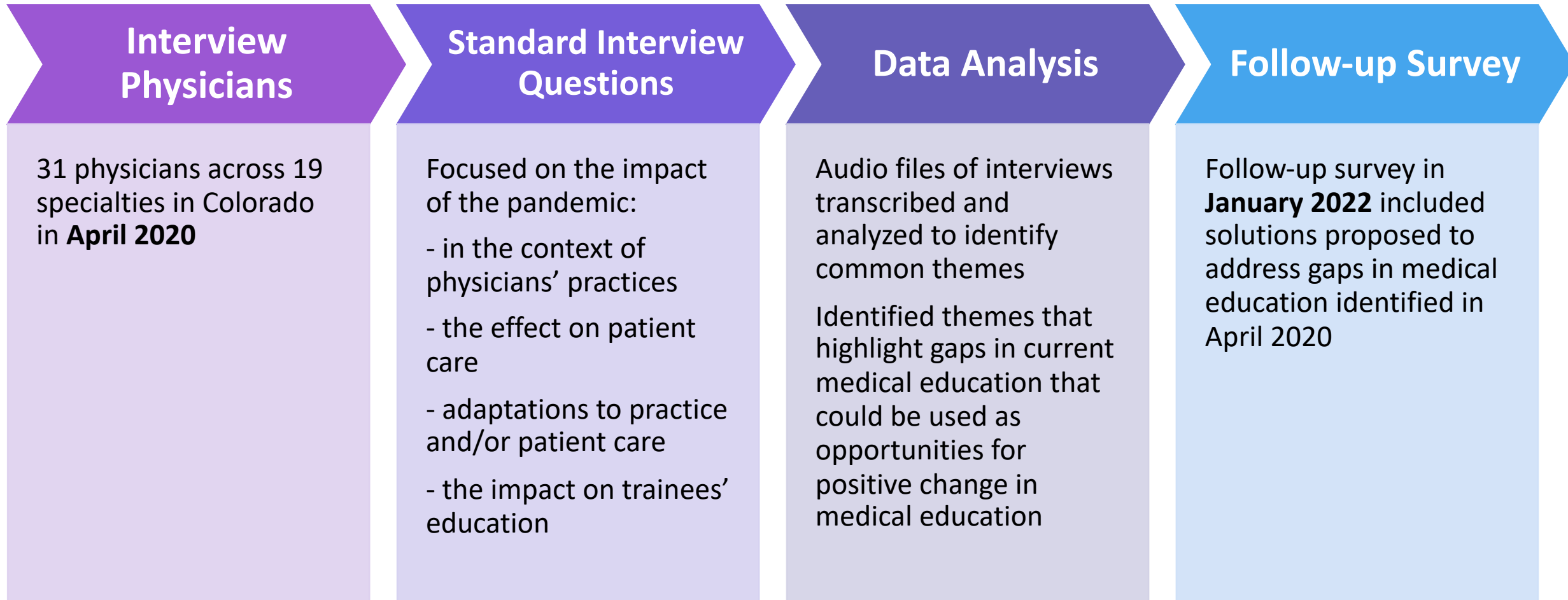
To understand the effect of the COVID-19 pandemic on physicians in various medical specialties across Colorado

# Background

The COVID-19 pandemic had most heavily impacted:

- mental health
- physician burnout
- increased use of telehealth visits
- disproportionate impact of the pandemic on underserved populations

# Methods

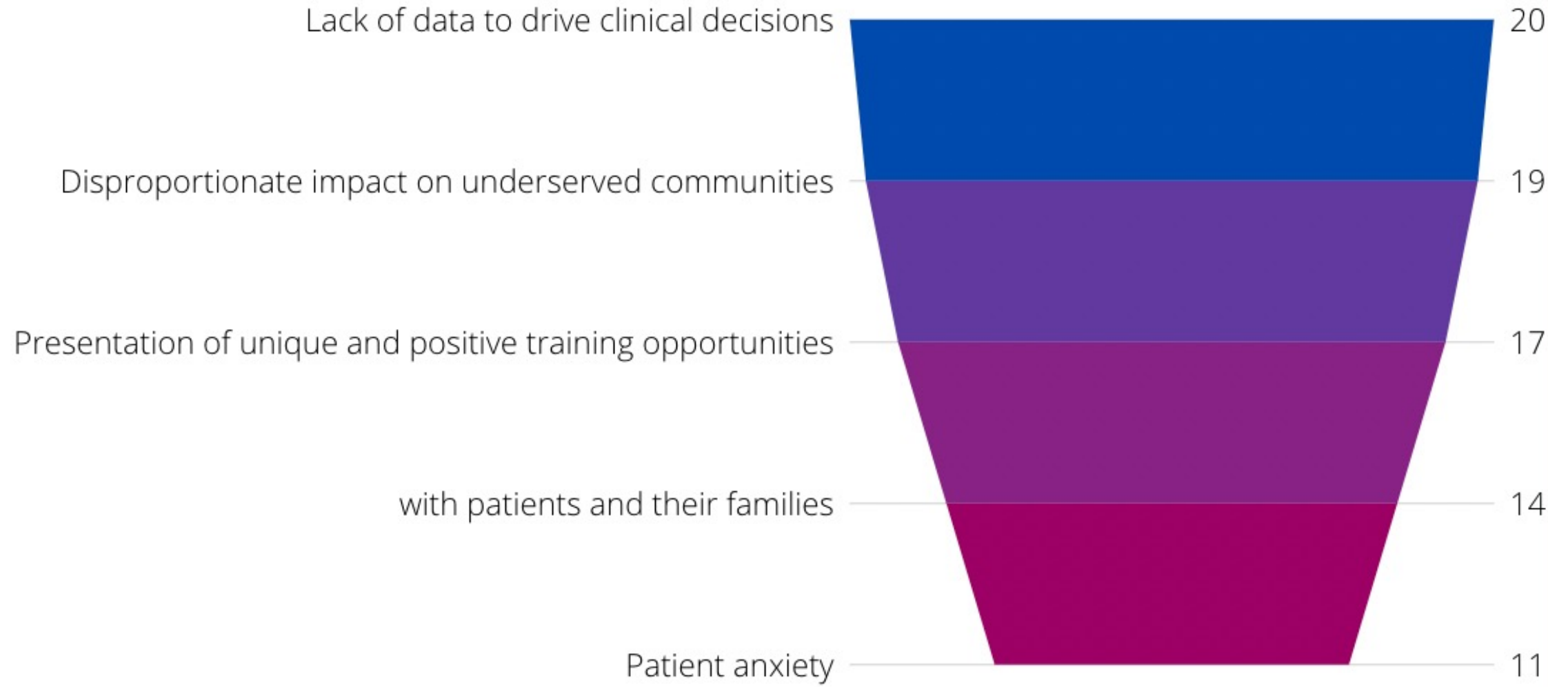


# Physician interviewed and their specialties

<b>Addiction medicine</b>	1
<b>Anesthesiology</b>	1
<b>Critical care</b>	4
<b>ED</b>	1
<b>Family medicine</b>	2
<b>Family planning</b>	1
<b>Gastroenterology</b>	1
<b>Infectious disease</b>	1
<b>Internal medicine</b>	2
<b>OB/GYN</b>	2

<b>Oncology</b>	1
<b>Ophthalmology</b>	1
<b>Orthopedic surgery</b>	1
<b>Palliative care</b>	2
<b>Pediatrics</b>	4
<b>PM&amp;R</b>	1
<b>Psychiatry</b>	2
<b>Radiology</b>	1
<b>Rheumatology</b>	2
<b>TOTAL</b>	31

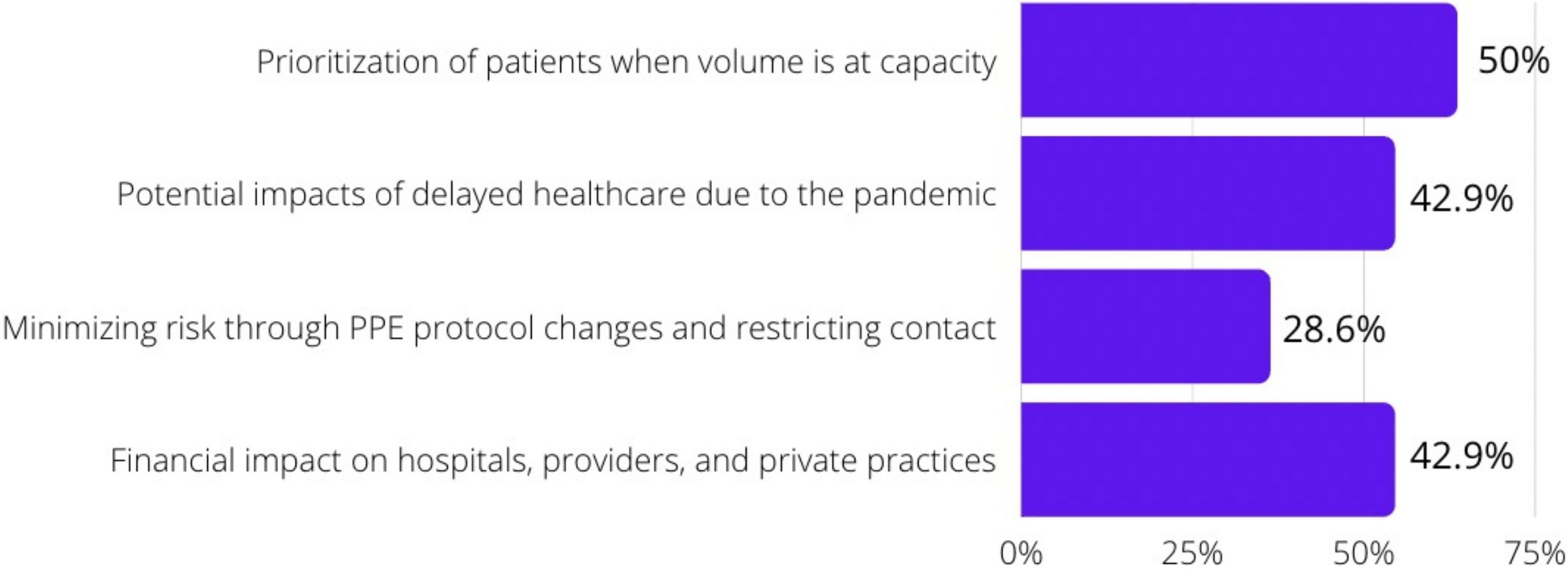
# Results: Tally of themes in April 2020 Interviews



# January 2022 follow-up survey results

Theme	Proposed Solution	“Strongly agree” with theme and proposed solution	Regarded issue as “very important”
Lack of data to drive decisions	Challenge students to navigate cases that may lack <b>absolute answers</b> to emphasize critical thinking and problem solving	57.1%	71.4%
Mental health impact	Provide <b>more integrated training on mental health disorders</b> to ensure future physicians treat patients as a whole and consider mental health regardless of specialty	42.9%	71.4%
Challenges in communication with patients and their families	Incorporate <b>more training and practice with virtual health visits</b> and communication via phone calls.	42.9%	50%
Disproportionate impact on underserved communities	Provide more <b>education on</b> the healthcare system in the US and topics such as <b>health policy and health economics</b> to give students the knowledge base needed to be able to make actionable change as future physicians	42.9%	89.7%

# More themes that highlight opportunities to address gaps in medical education





# Conclusions

1. Common themes identified during initial interviews present opportunities for positive change in medical education

- Encourage students to grapple with the lack of data to drive clinical decisions
- Increase training in telehealth
- Incorporate strategies to solve the disproportionate impact on underserved during a pandemic
- Incorporate strategies to improve the mental health impact of COVID

2. Follow-up survey allowed original physicians interviewed to reflect on additional topics for medical education

- Increase teaching on how to triage
- Emphasize training in preventive care

# Implications

- Challenge trainees to think critically to better prepare them for the complexities of medicine
- More education on health equity, policy reform and advocacy, and health economics to equip future physicians with the tools needed for actionable change
- Students must learn to navigate the nuances of virtual care without sacrificing the quality of care
- Essential for physicians to address the mental health and well-being of patients regardless of specialty
- Need for increased teaching on how to triage appropriately
- Emphasize role of preventive care in medicine

# Limitations & Future Directions

## **Limitations**

- Small sample size (n=31)
- Two time points (April 2020, January 2022)

## **Future Directions**

- Interview respondents to the follow-up survey for more granular detail on recommended changes to medical education

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