

MEMORANDUM

To: The CCPES MOS and Durham Teams (Max Cawley, David Sittenfeld, and Katie Baur)
From: MOS Research and Evaluation (Elizabeth Kunz Kollmann and Emmett Fung)
Date: April 24, 2023
Subject: Durham CCPES Data Summary



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Background Information

The *Building Capacity of Co-Created public Engagement with Science* project was led by the Museum of Science, Boston with partners from the Oregon Museum of Science and Industry and Museum of Life and Science. The project was designed to have a strategic impact on how ISE institutions choose topics of STEM engagement by gathering information from local publics about STEM-related issues most of interest and importance to them. This information was then used by a local museum, community organization, civic organization, and scientists to create a dialogue and deliberation forum about the topic. The final outcome for the project was to build and test a new model for co-created public engagement with science activities.

In 2022 and 2023, the Museum of Life and Science in Durham, NC in collaboration with partners from Families Moving Forward and support from the Durham Neighborhood Improvement Services Department created a forum about the local housing crisis. The forum was implemented four times at sites across Durham and the Research Triangle. Surveys were collected from the public participants at the forums to understand their demographics, their enjoyment and comfort at the forum, and how the forum impacted their views about housing. Data from the forums is reported in the following sections.

Number of surveys collected per site

Sixty-one individuals filled out surveys after attending Durham's CCPES forum. A breakdown of how many surveys were collected at each site can be seen below.

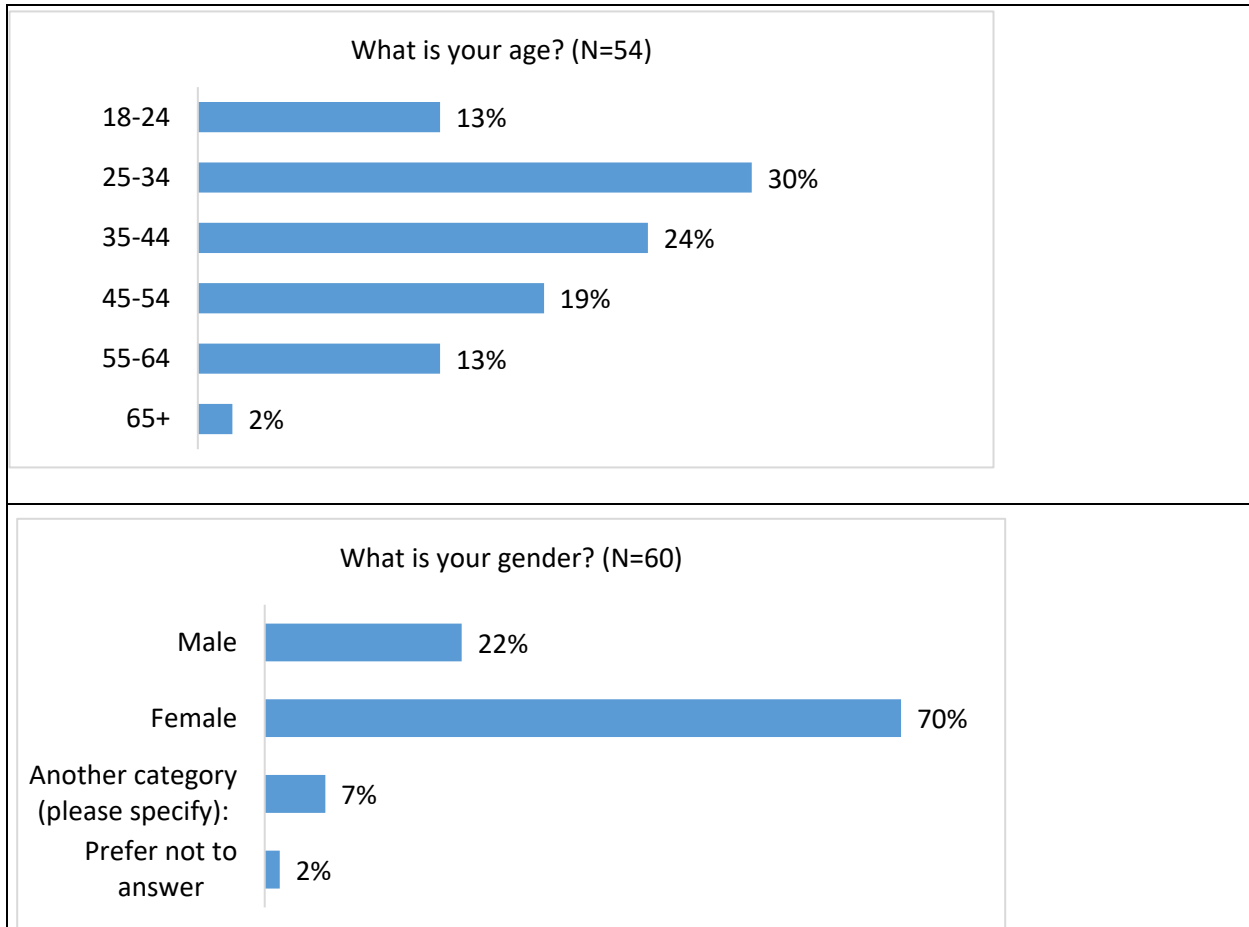
Forum Location	Number of surveys	Percent of surveys
Museum of Life and Sciences	31	51%
Durham Library	8	13%
Hayti Heritage Center	14	23%
North Carolina State University	8	13%

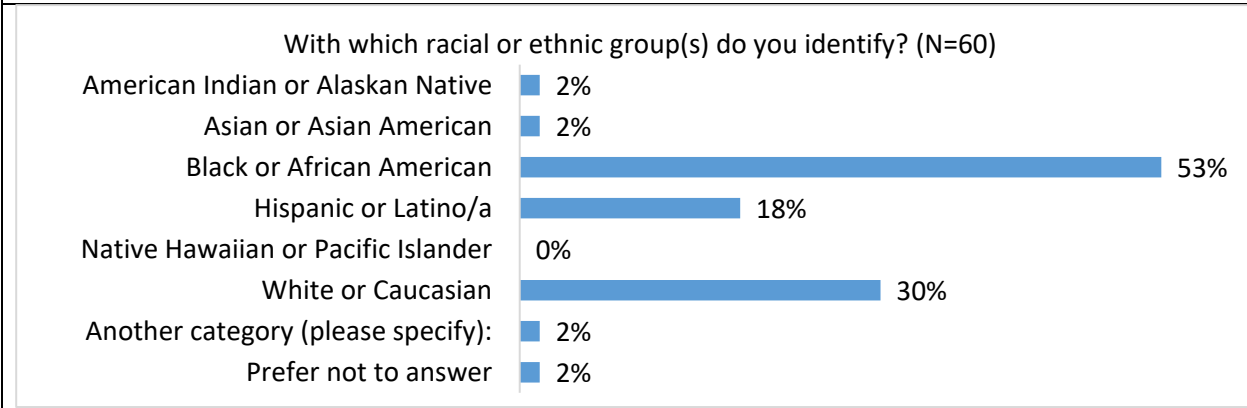
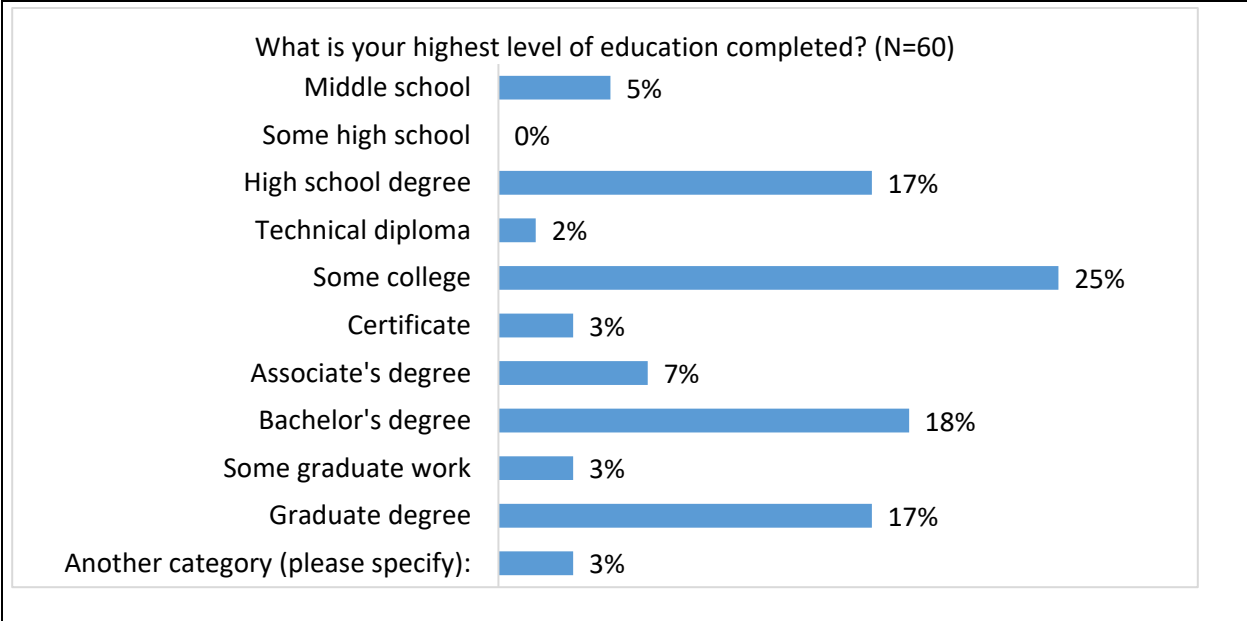
Total	61	100%
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Demographics of survey respondents

Overall

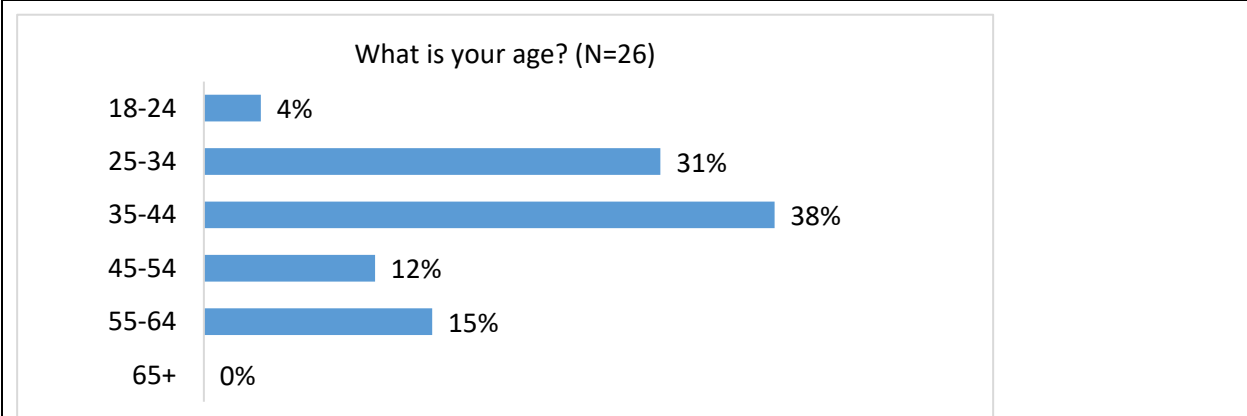
There were 61 survey respondents across the forums. Of these respondents, a majority were between the ages of 25 and 44, were female, had at least some college, and were Black or African American.

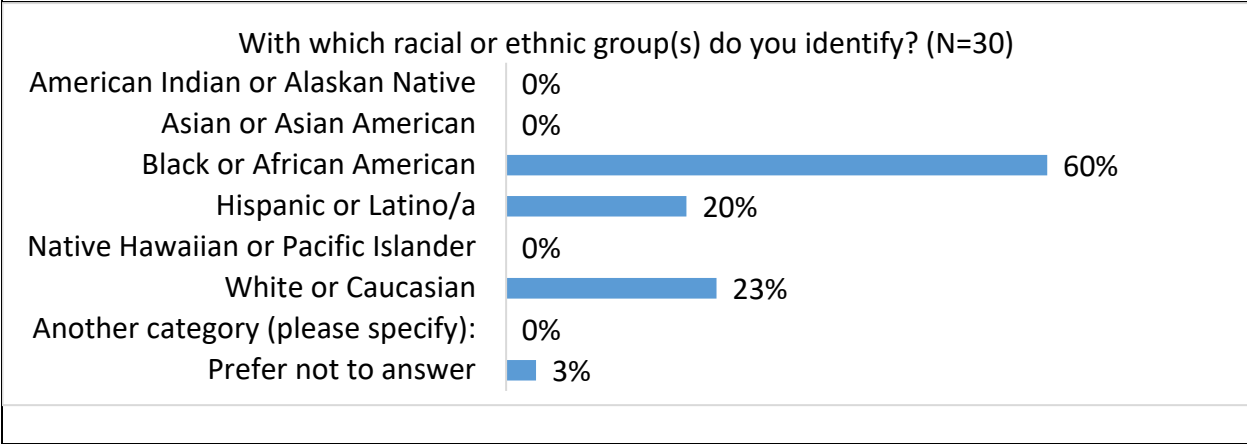
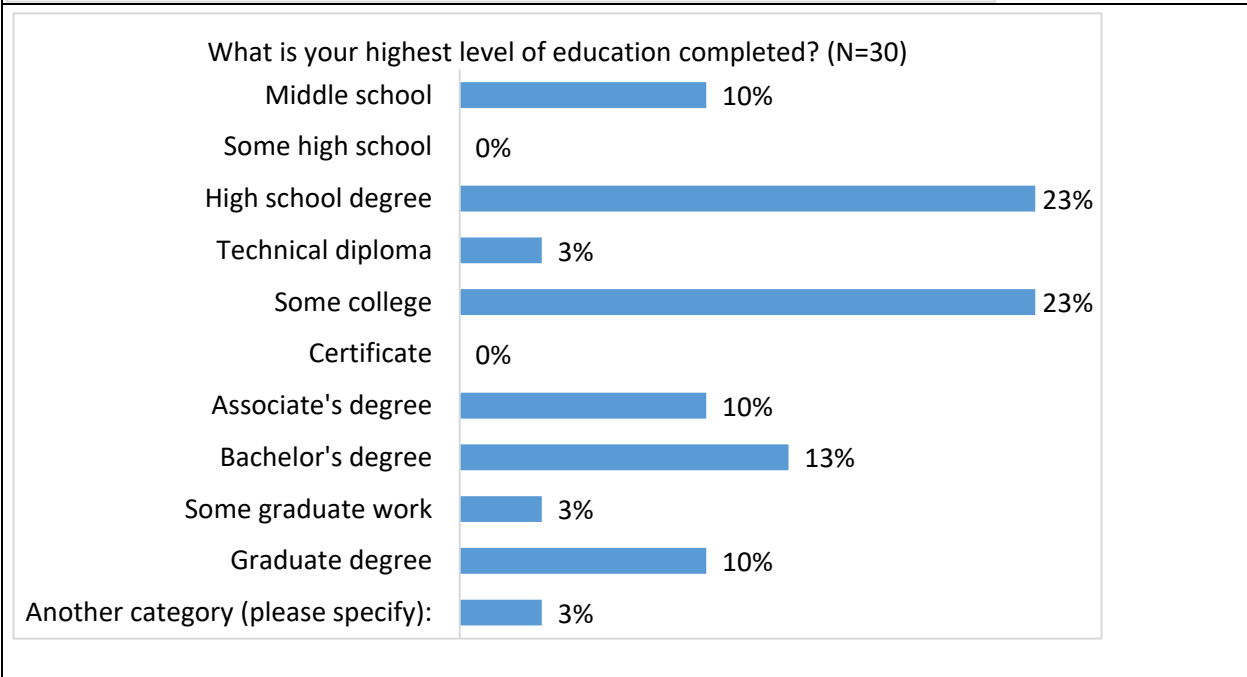
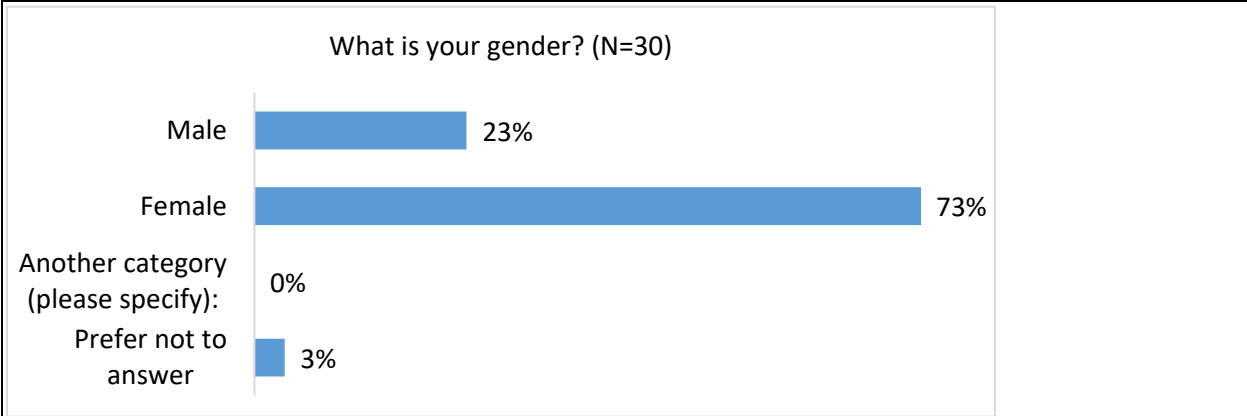




Museum of Life and Science Survey Respondents (N=31)

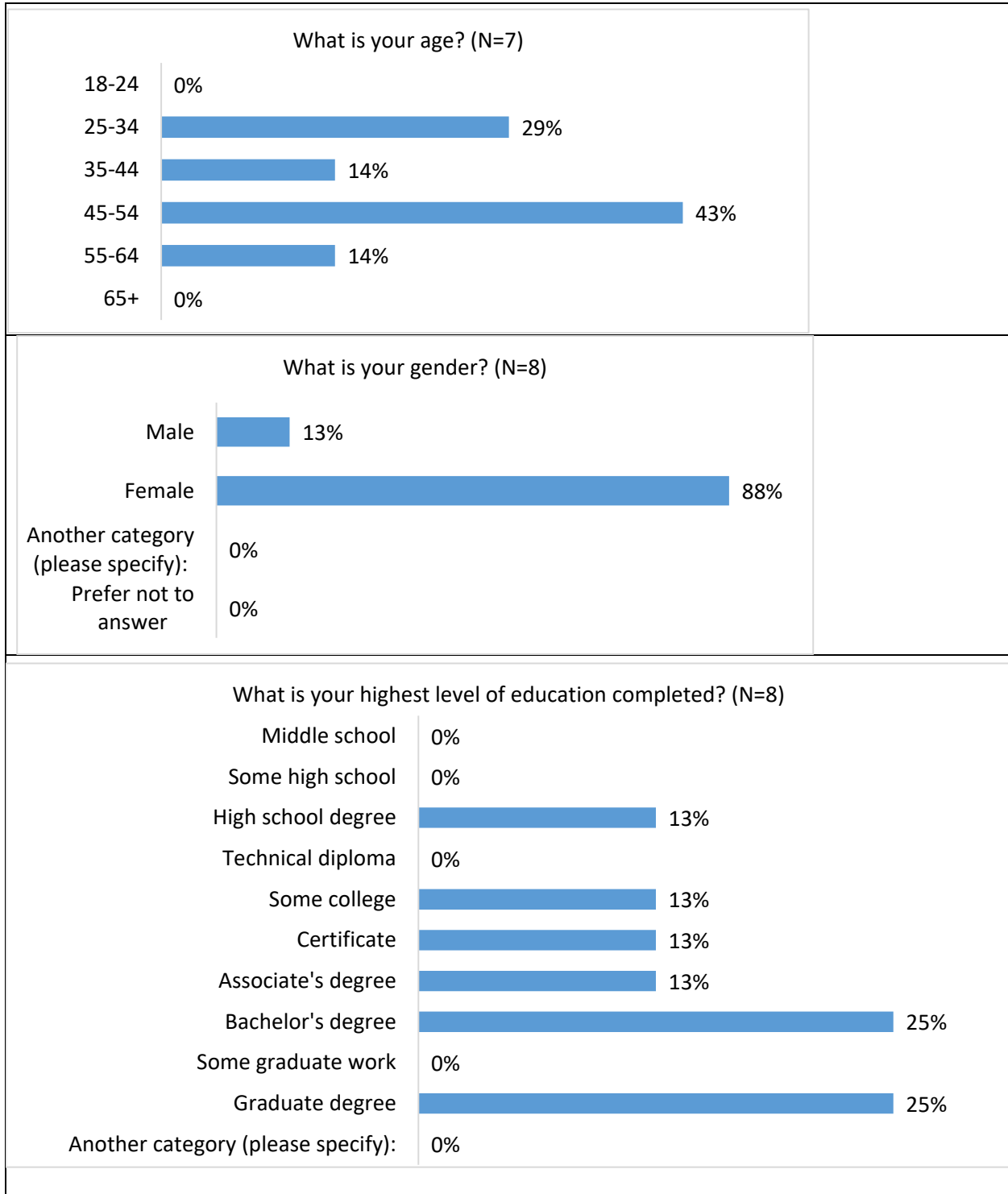
There were 31 survey respondents from the Museum of Life and Science forum. Of these respondents, a majority were between the ages of 25 and 44, were female, had some college or less, and were Black or African American.

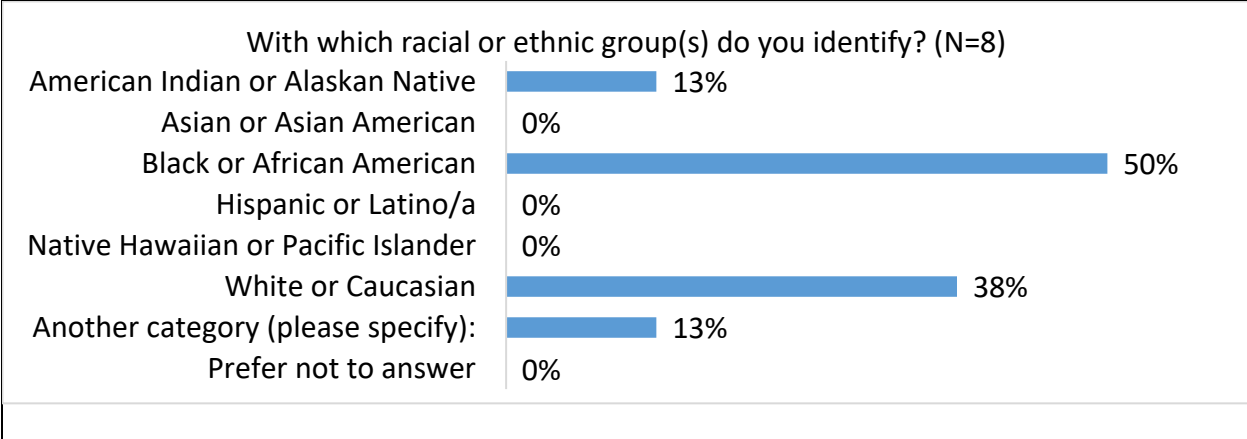




Durham Library Survey Respondents (N=8)

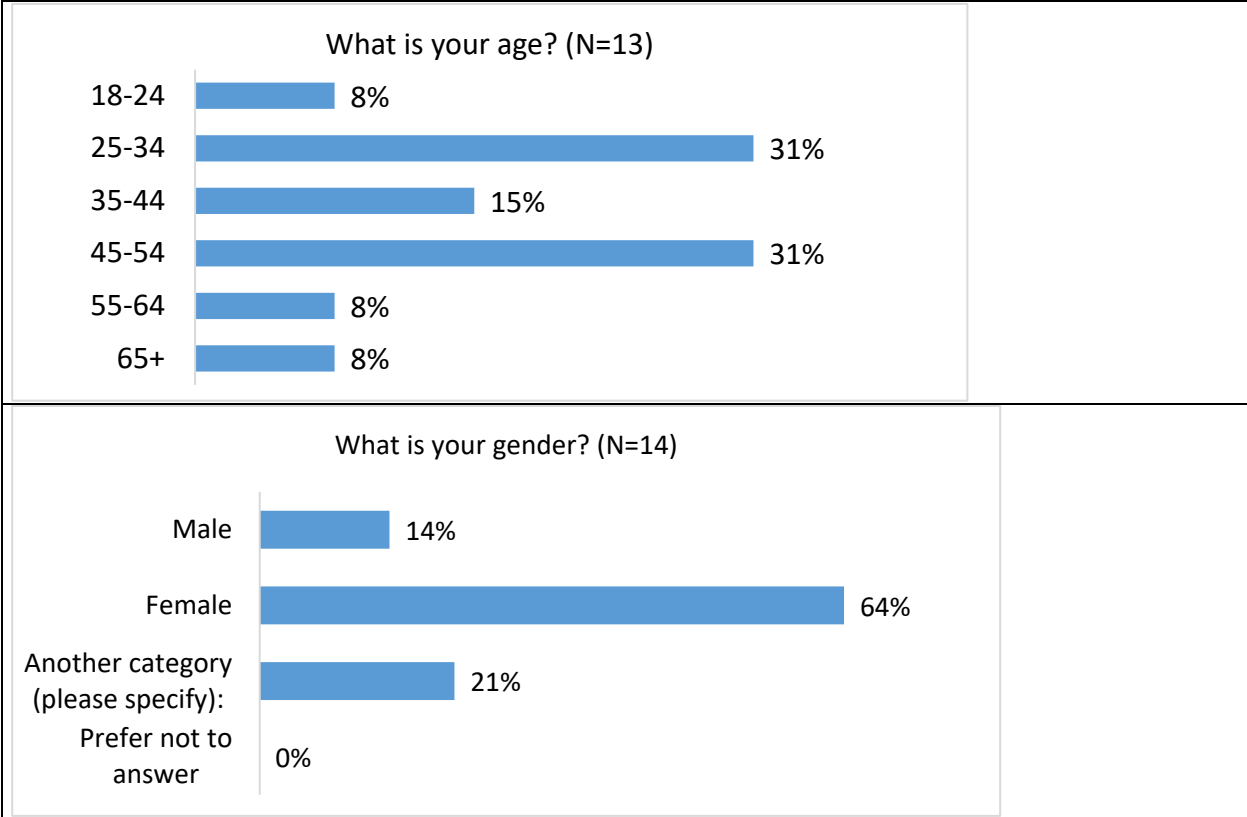
There were only 8 survey respondents from the Durham Library forum. Of these respondents, the majority were 45-64, were female, had at least a Bachelor's degree, were Black or African American.

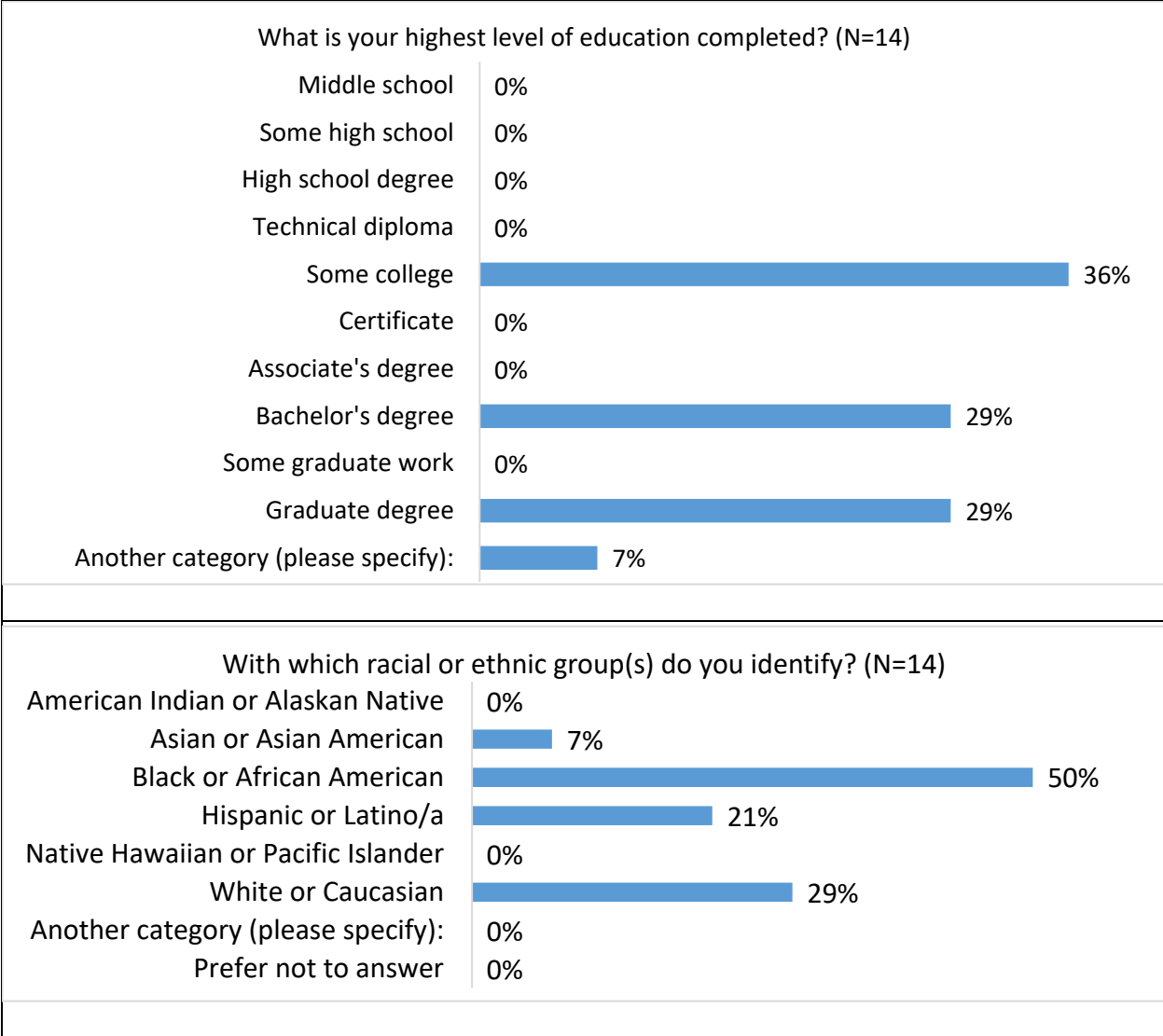




Hayti Heritage Center Survey Respondents (N=14)

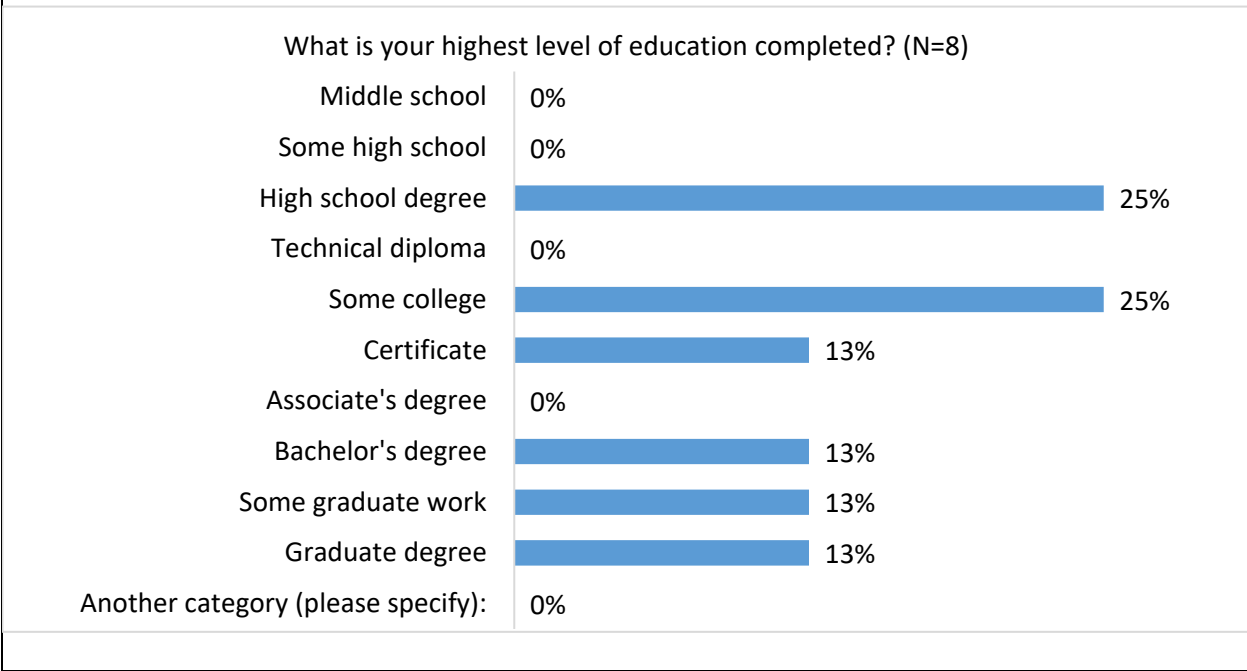
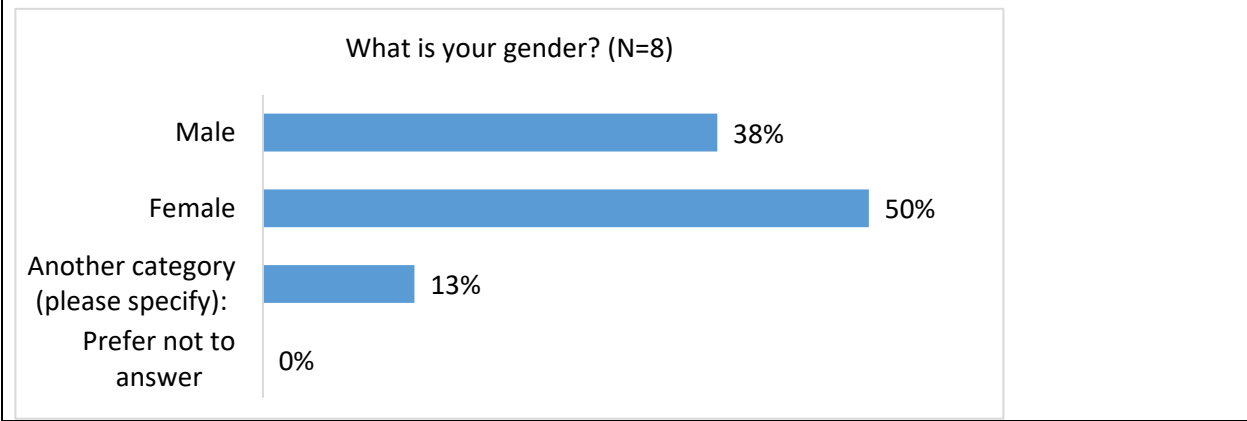
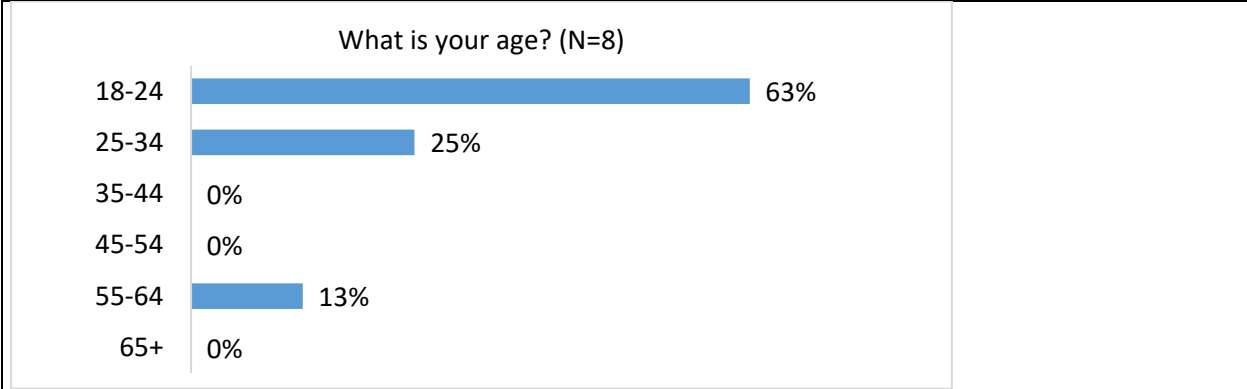
There were 14 surveys collected from the Hayti Heritage Center forum. Of these survey respondents, the majority were between the ages of 18-44, were female had a Bachelor’s degree or higher, and were Black or African American.



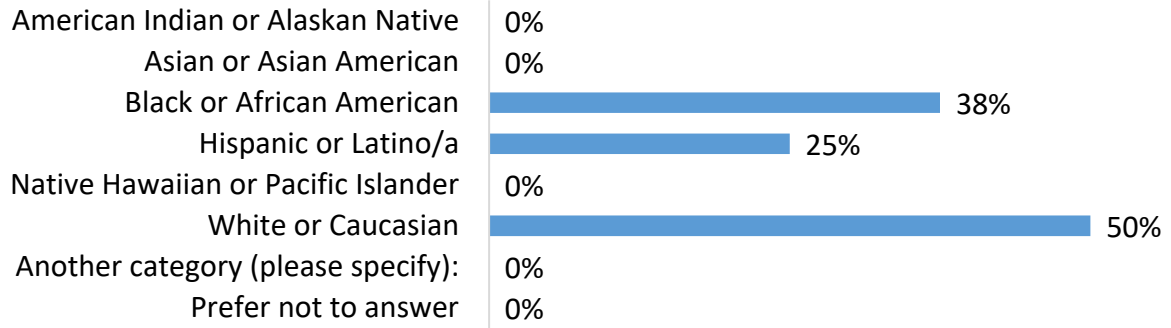


North Carolina State University Survey Respondents (N=8)

There were 8 survey respondents for the North Carolina State University forum. Of these survey respondents, the majority were 18-24, were female, had some college or less, and were white or Caucasian.

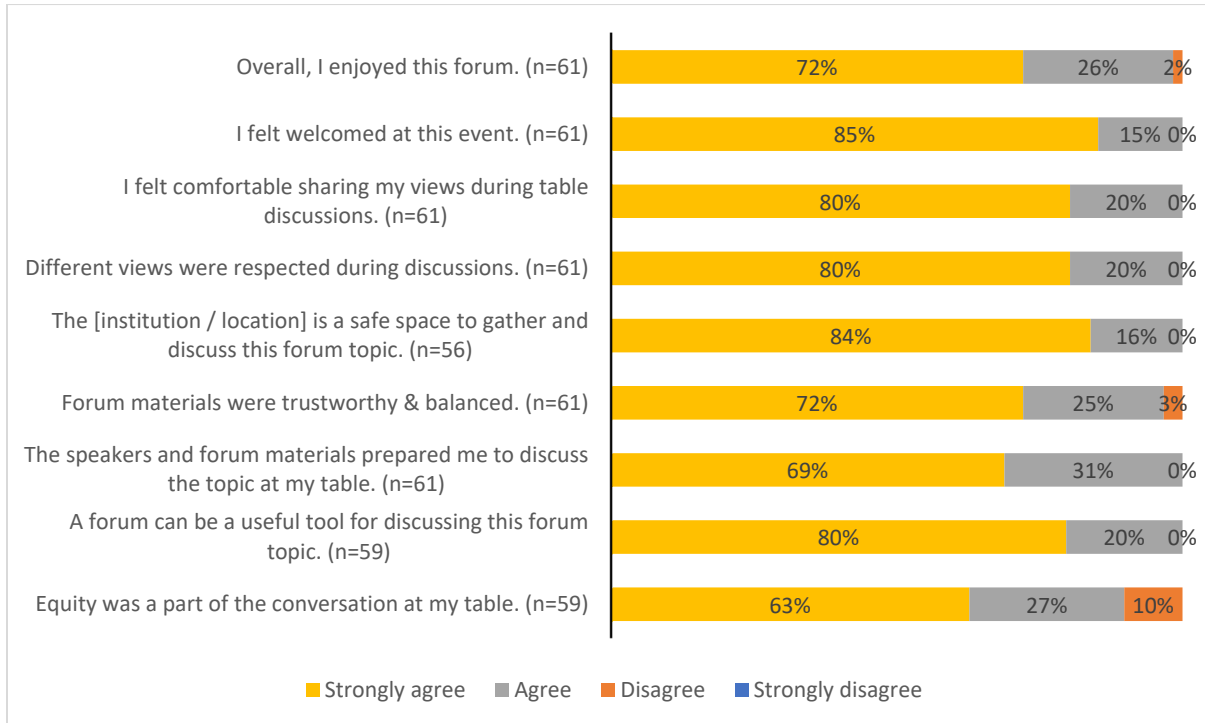


With which racial or ethnic group(s) do you identify? (N=8)



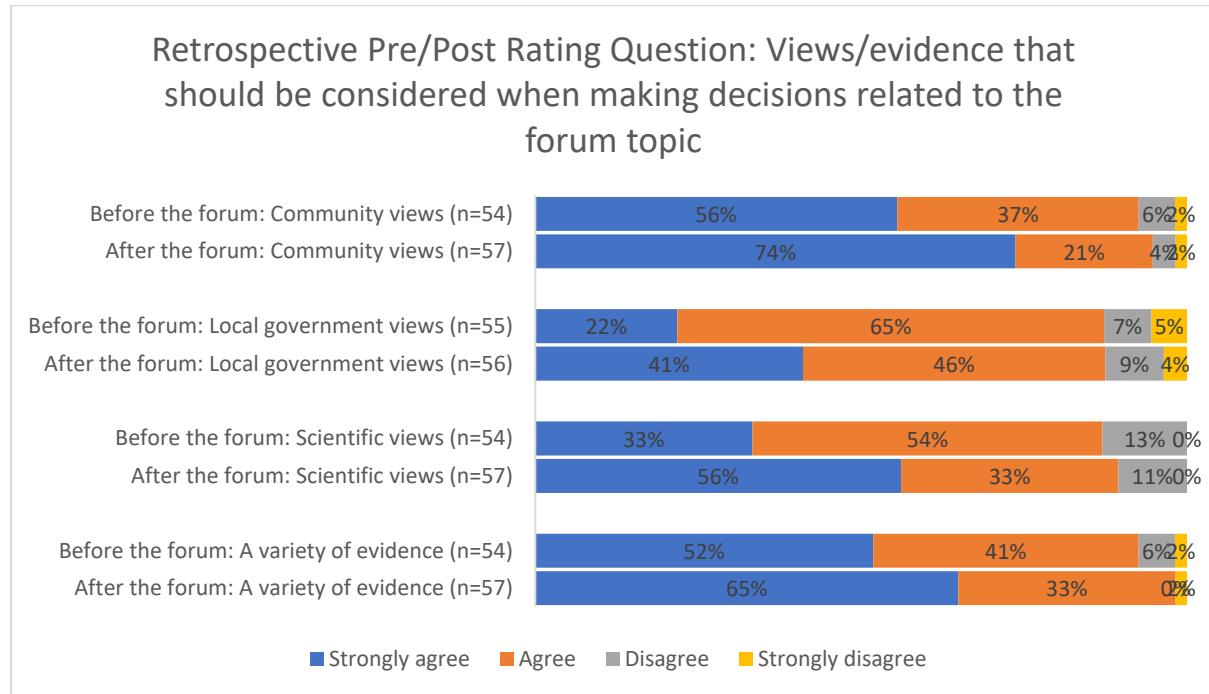
Quantitative data

Indicators show that survey respondents enjoyed the forum overall as well as appreciating aspects of the discussion. It should be noted that there was especially high agreement that participants felt welcome at the event, and that the location was a safe place to gather and discuss the forum topic¹. The lowest agreement was that equity was a part of the conversation and that the speakers and materials prepared them to discuss the topic.



¹ At some of the forums, the wrong survey was given to participants. Therefore, there may be added error in the responses to this statement.

Participants were asked a retrospective pre/post question about their agreement that certain views or evidence should be considered when making decisions related to the forum topic. Agreement that the views / evidence types should be considered when making decisions was high even before the forum. However, all of the view / evidence types showed statistically significant increases from the pre to the post response with moderate effect sizes. It should be noted that it was most common for survey respondents to have chosen the same pre and post rating.

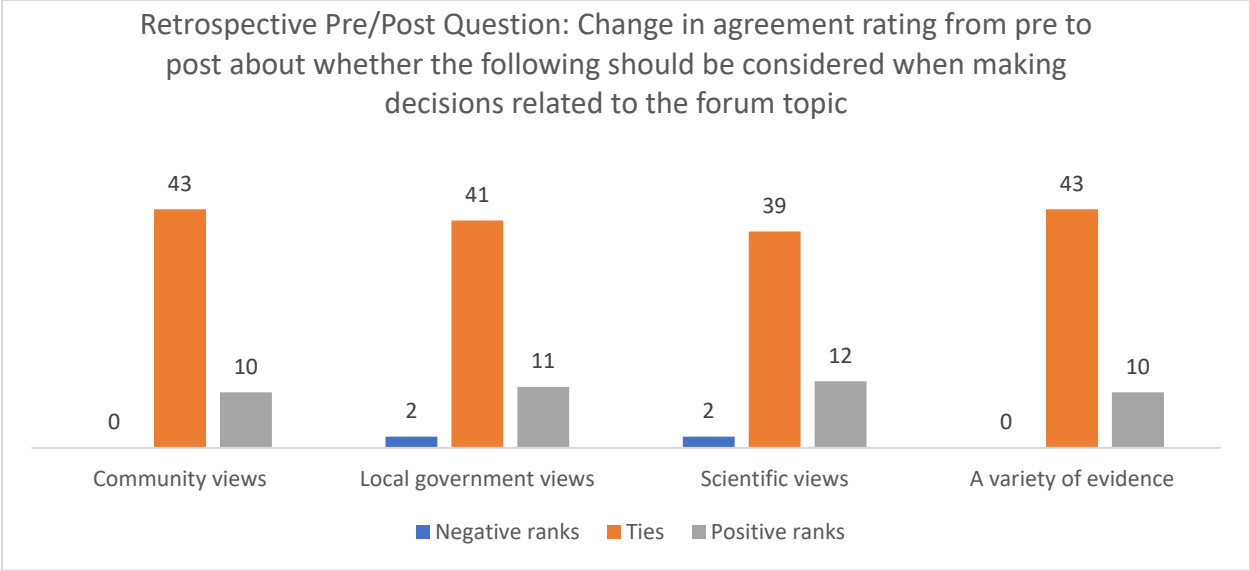


Test Statistics^a

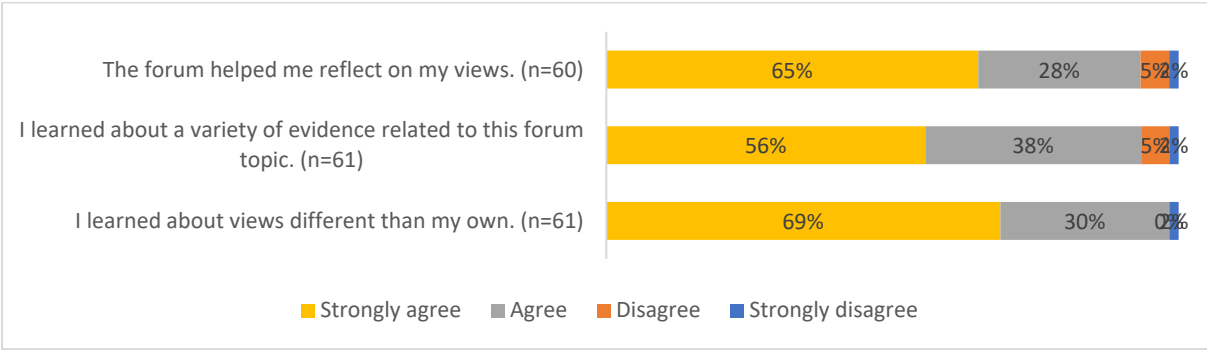
	AFTERcommunityviews - BEFOREcommunityviews	AFTERlocalgovt views - BEFORElocalgovt views	AFTERscientific views - BEFOREscientific views	AFTERvarietyof evidence - BEFOREvarietyof evidence
Z	-3.162 ^b	-2.500 ^b	-2.696 ^b	-3.162 ^b
Asymp. Sig. (2-tailed)	.002	.012	.007	.002

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.



In general, survey respondents agreed that they learned views different from their own and about a variety of evidence from the forum. They also generally agreed that the forum helped them reflect on their views.



Participants generally agreed that the forum increased their confidence in their abilities to take follow-up actions. In particular, survey respondents said that the forum increased their confidence in their abilities to learn more about the forum topic and share their views with friends and family members. The forum did not increase their confidence in their abilities to contribute to public policy and to share their views with community leaders or other interested stakeholders.

