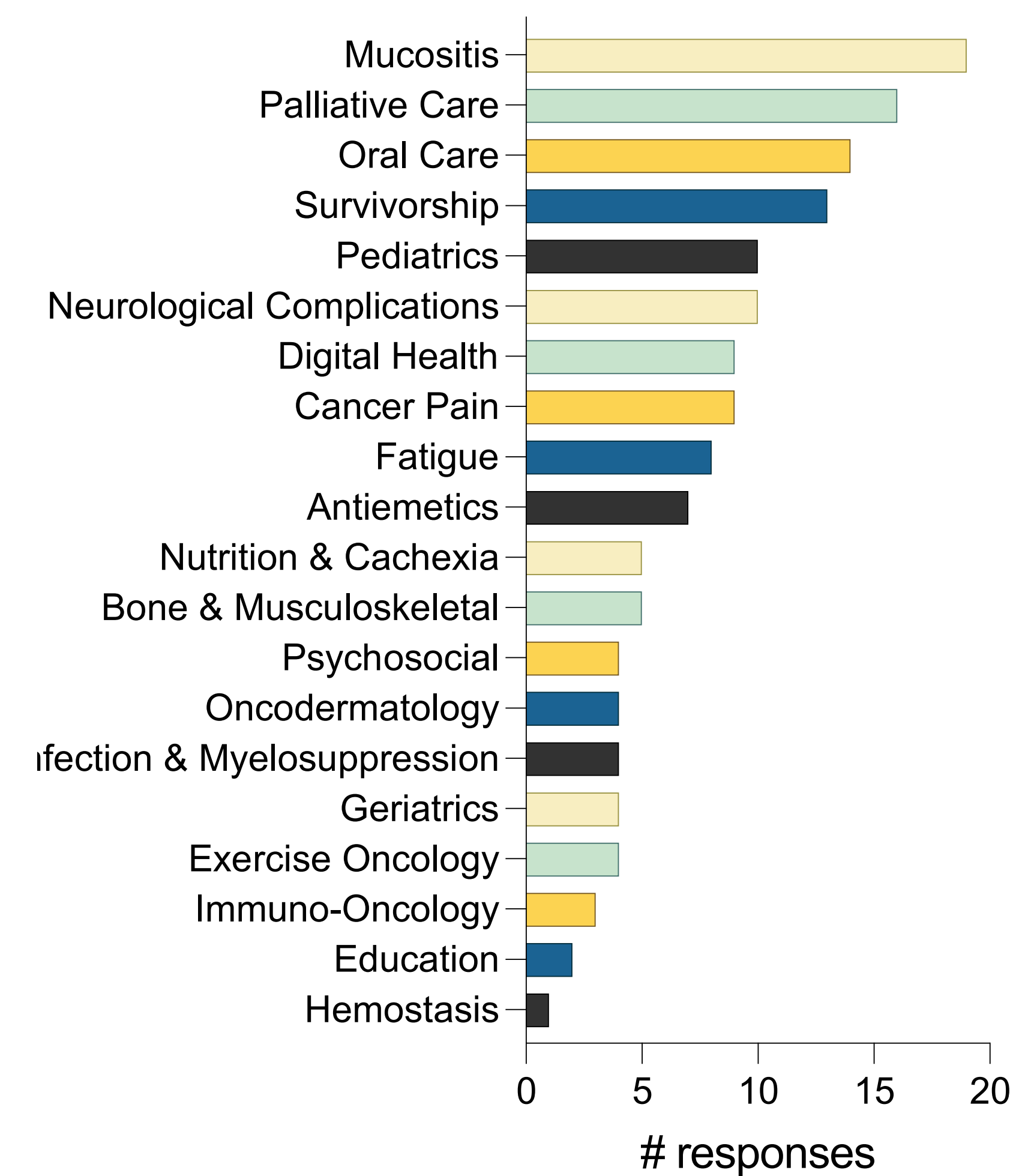


- It is increasingly recognized that the gut microbiome can influence cancer treatment efficacy and toxicity
- But knowledge translation into clinical benefits has been impacted by inconsistent approaches to sampling and intervention
- The clinical practices and perceptions of microbiome research are unclear on an international level

We aimed to characterize the current practices & perceptions of microbiome research among MASCC members

- A novel exploratory survey was distributed by REDCap MASCC-wide (2022)
- Questions probed current use, perceptions, and plans relating to microbiome research
- Descriptive analyses were performed to summarize responses (Prism v10)



Survey respondent demographics N=63		
Geographic Location	North America	16 / 25.4%
	Asia	13 / 20.6%
	Europe	10 / 15.9%
	South America	4 / 6.3%
	Australia	2 / 3.1%
Primary Occupation	Physician	38 / 60.3%
	Academic/Researcher	9 / 14.3%
	Dentist/Oral Health Specialist	8 / 12.7%
	Allied Health Professional	2 / 3.2%
	Nurse	2 / 3.2%
	Pharmacist	2 / 3.2%
	Student	2 / 3.2%
Primary Work Location	Hospital	31 / 49.2%
	University Hospital	14 / 22.2%
	University or Research Institute	12 / 19.0%
	Other	2 / 4.8%
	Private Clinic	2 / 3.2%
Clinical Specialty	Adult Oncology	38 / 60.3%
	Pediatric Oncology	9 / 14.3%
	Adult Stem Cell Transplantation	2 / 3.2%
	Pediatric Stem Cell Transplantation	2 / 3.2%
	All the above	5 / 8.0%
	N/A	7 / 11.1%

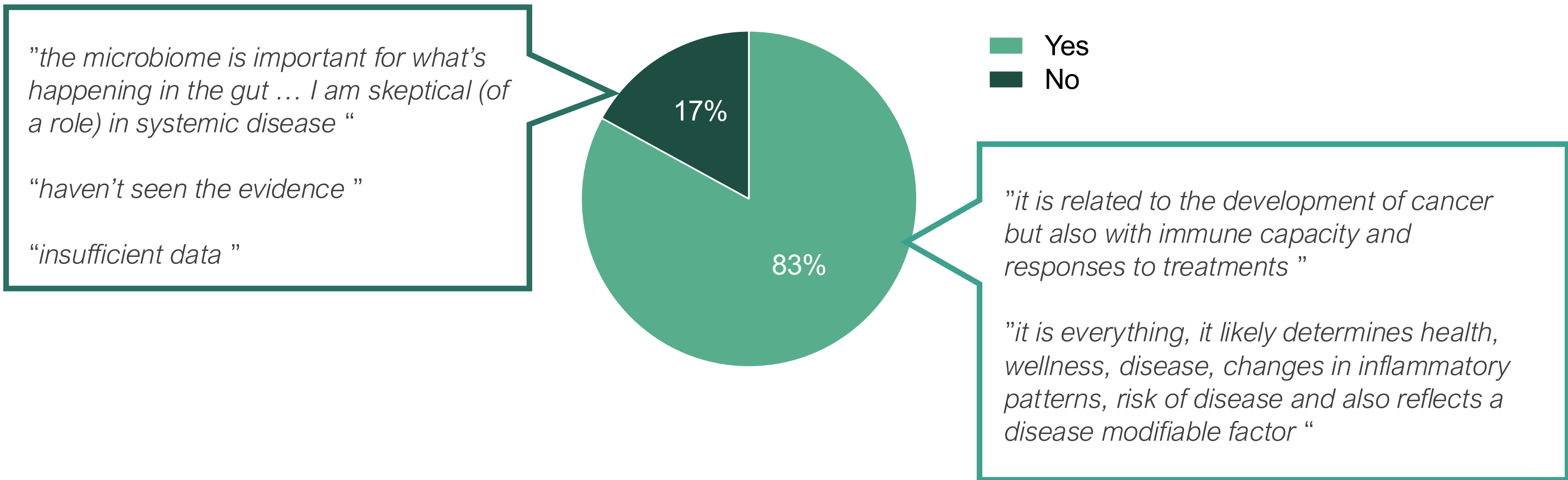
# Use, understanding and perceptions of gut microbiome research and practices in oncology & hematology: a MASCC-wide survey

Maya R. Davies<sup>1,2\*</sup>, Courtney B. Cross<sup>1,2\*</sup>, Elin Irestorm<sup>3</sup>, Clifton P. Thornton<sup>4</sup>, Hannah R. Wardill<sup>1,2</sup>, Yin Ting Cheung<sup>5</sup>, Dori M. Beeler<sup>6</sup>, Jason L. Freedman<sup>7</sup>

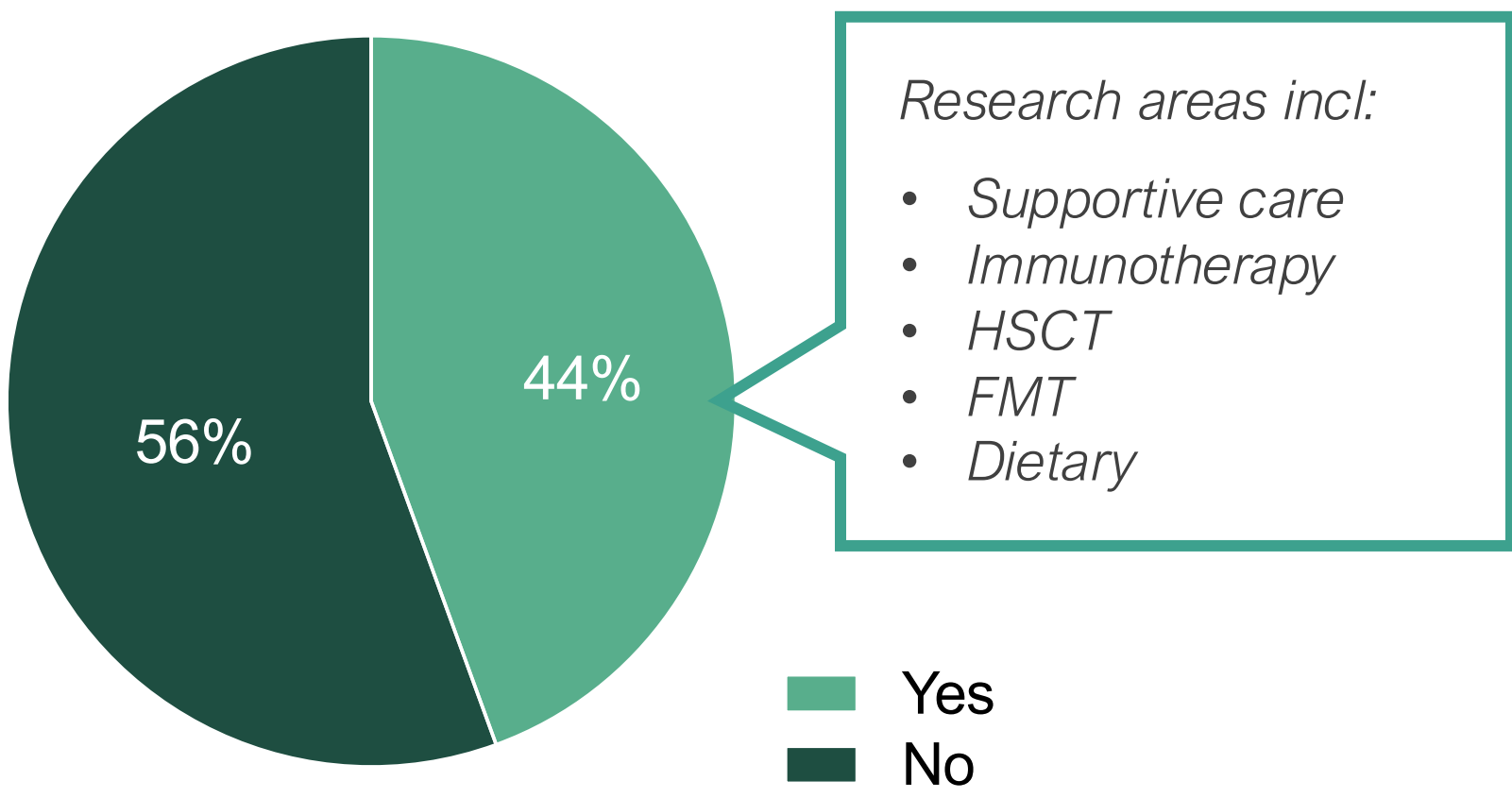
<sup>1</sup>The University of Adelaide; <sup>2</sup>SAHMRI; <sup>3</sup>Lund University; <sup>4</sup>Children's Hospital of Philadelphia; <sup>5</sup>The Chinese University of Hong Kong; <sup>6</sup>Levine Cancer Institute; <sup>7</sup>University of Pennsylvania



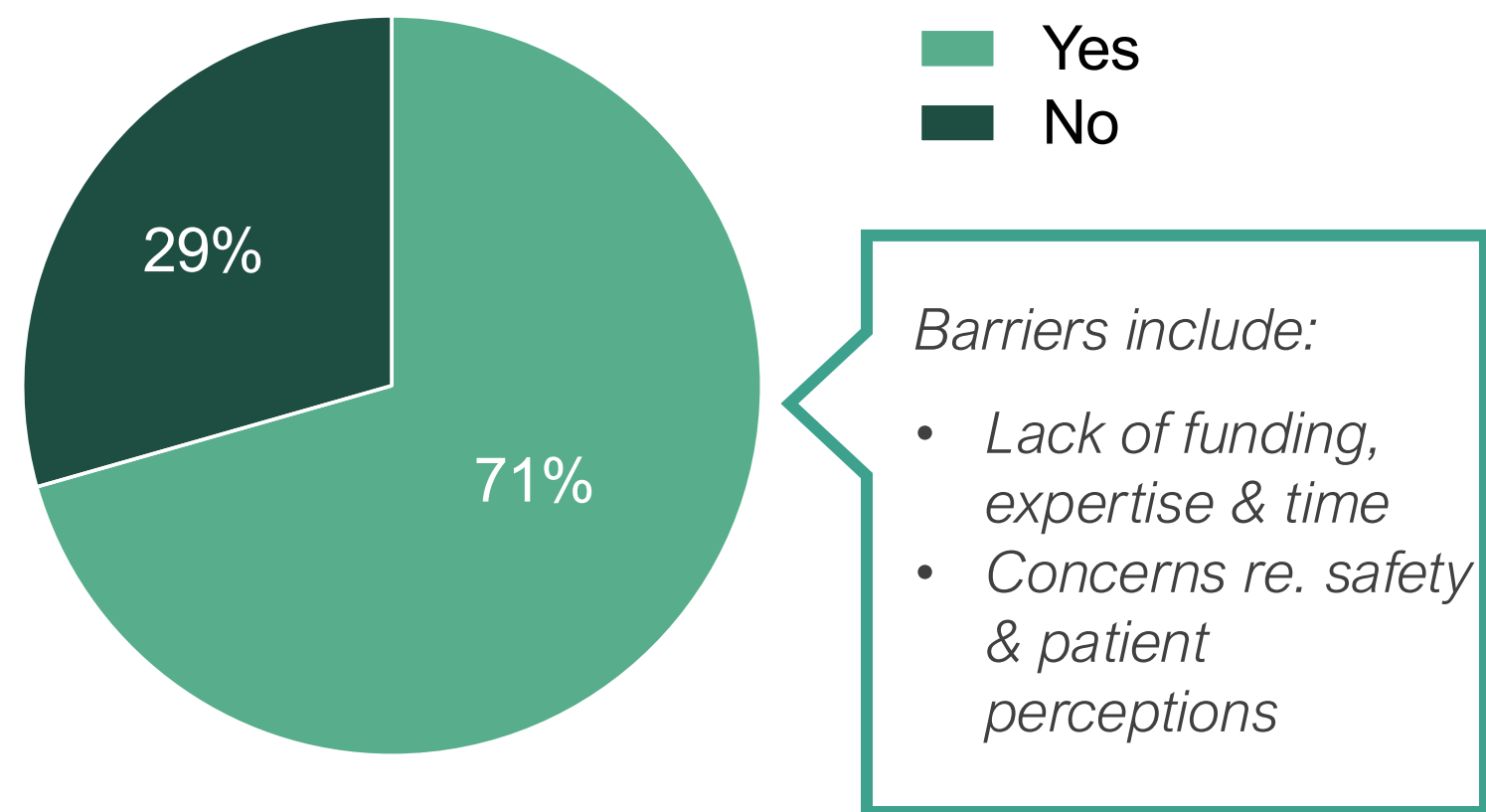
Does the gut microbiome play a big role in diseases states such as cancer?



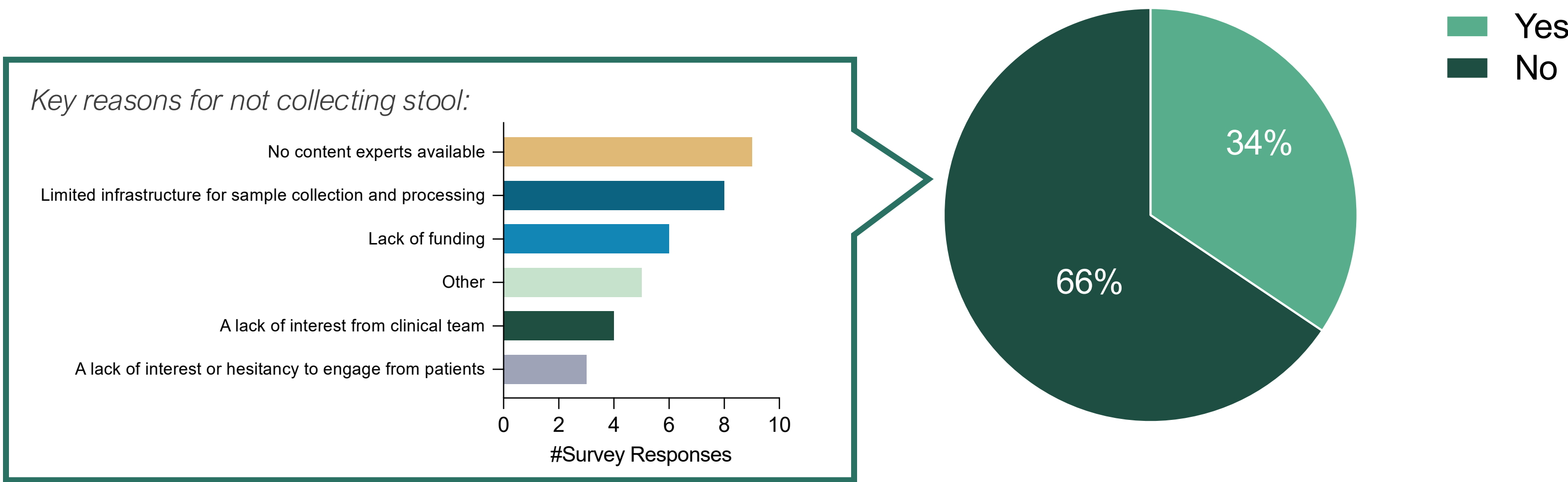
Is there research / clinical work on the microbiome at your institute?



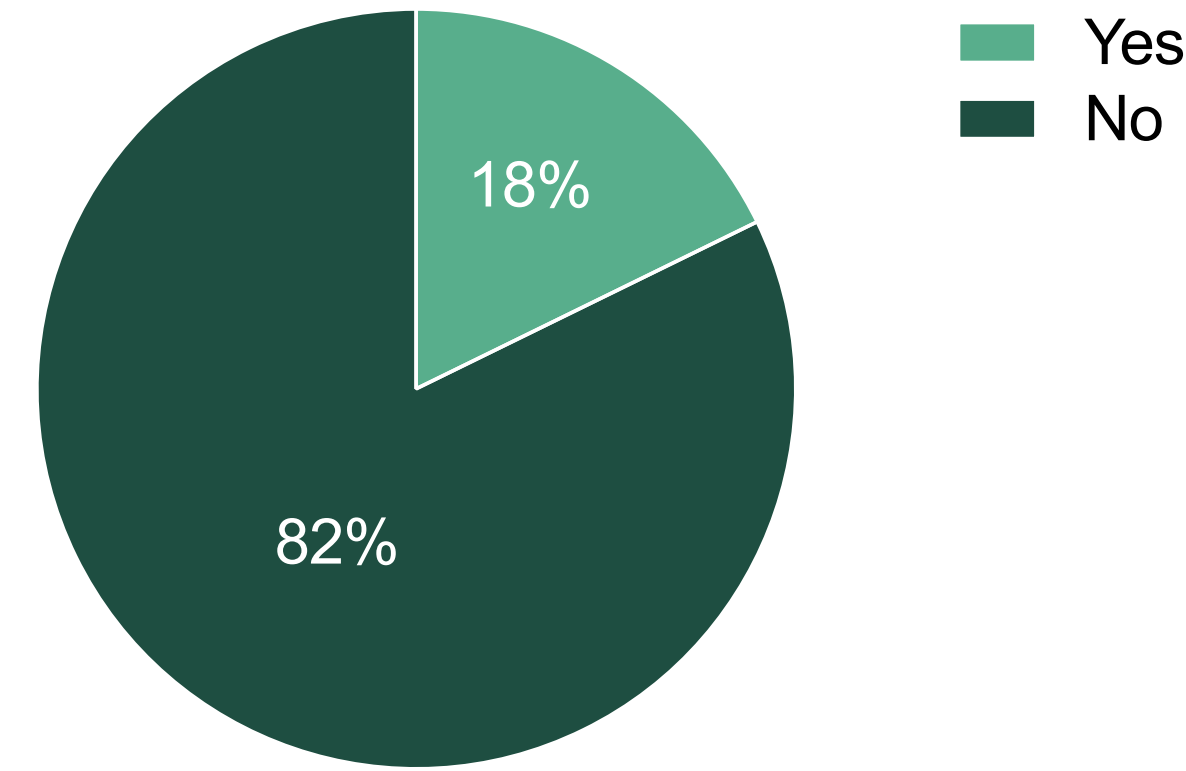
Is there interest in developing a program like this?



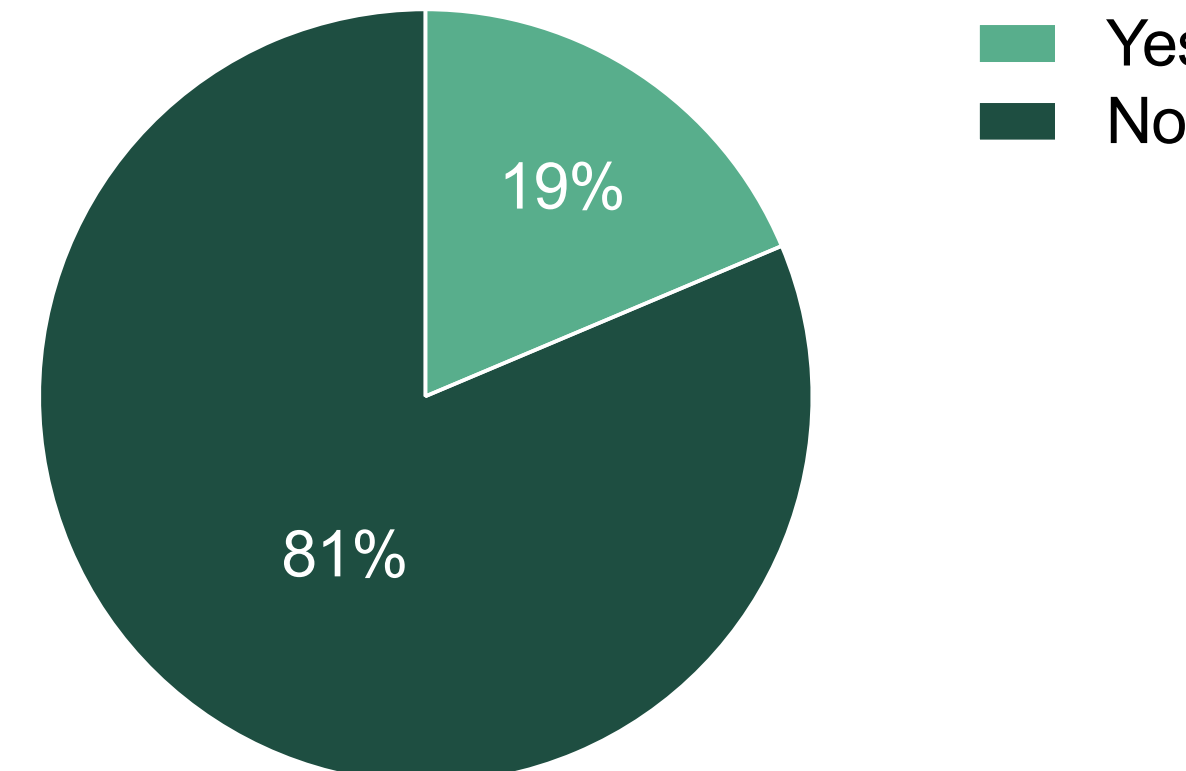
Do you / colleagues collect stool samples for gut microbiome surveillance / research?



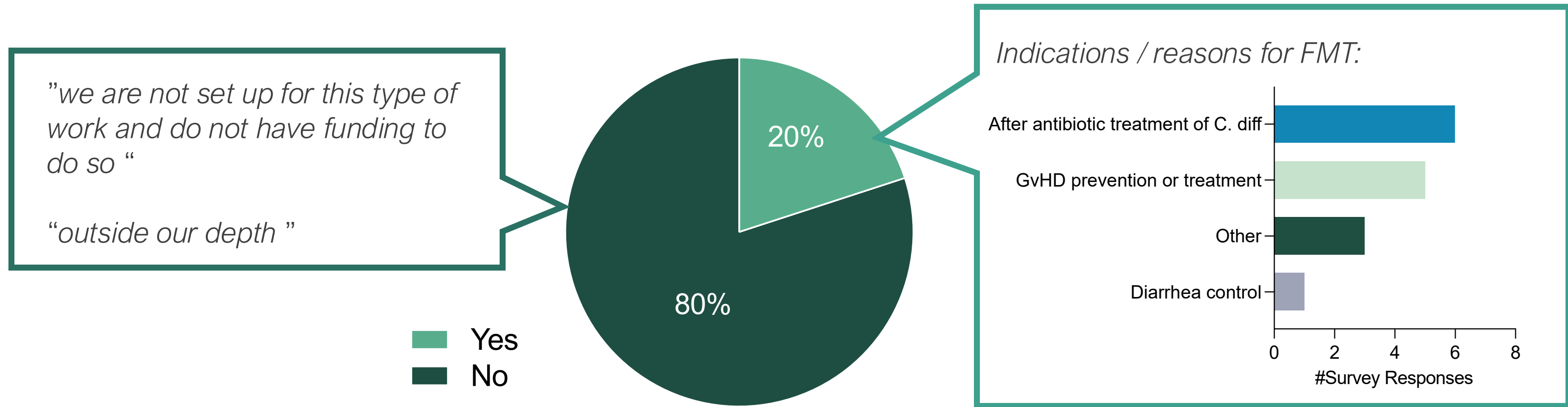
Does your center routinely prescribe probiotics?



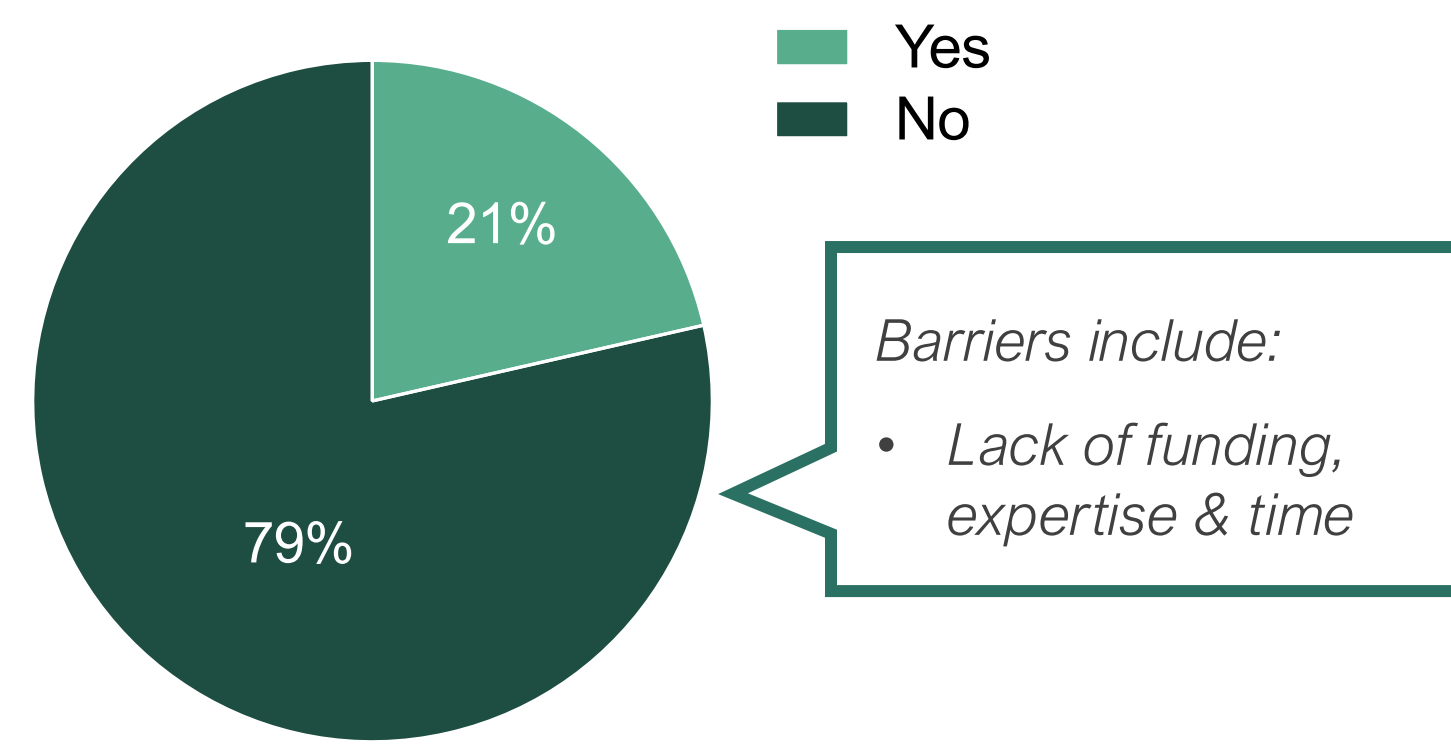
Aside from yogurt, does your center advise against probiotics?



Is your center involved in research or in clinical practice performing FMT?



Do you have plans to engage in FMT-related research?



33% of respondents highlighted a need for high quality RCTs to adopt FMT research

Well recognized that the gut microbiome plays an important role in cancer and cancer care

Clear need for research funds and expertise to facilitate research in this area