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Anticipated Impact of Live Biotherapeutic Products on Fecal Microbiota Transplantation Practice

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INTRODUCTION

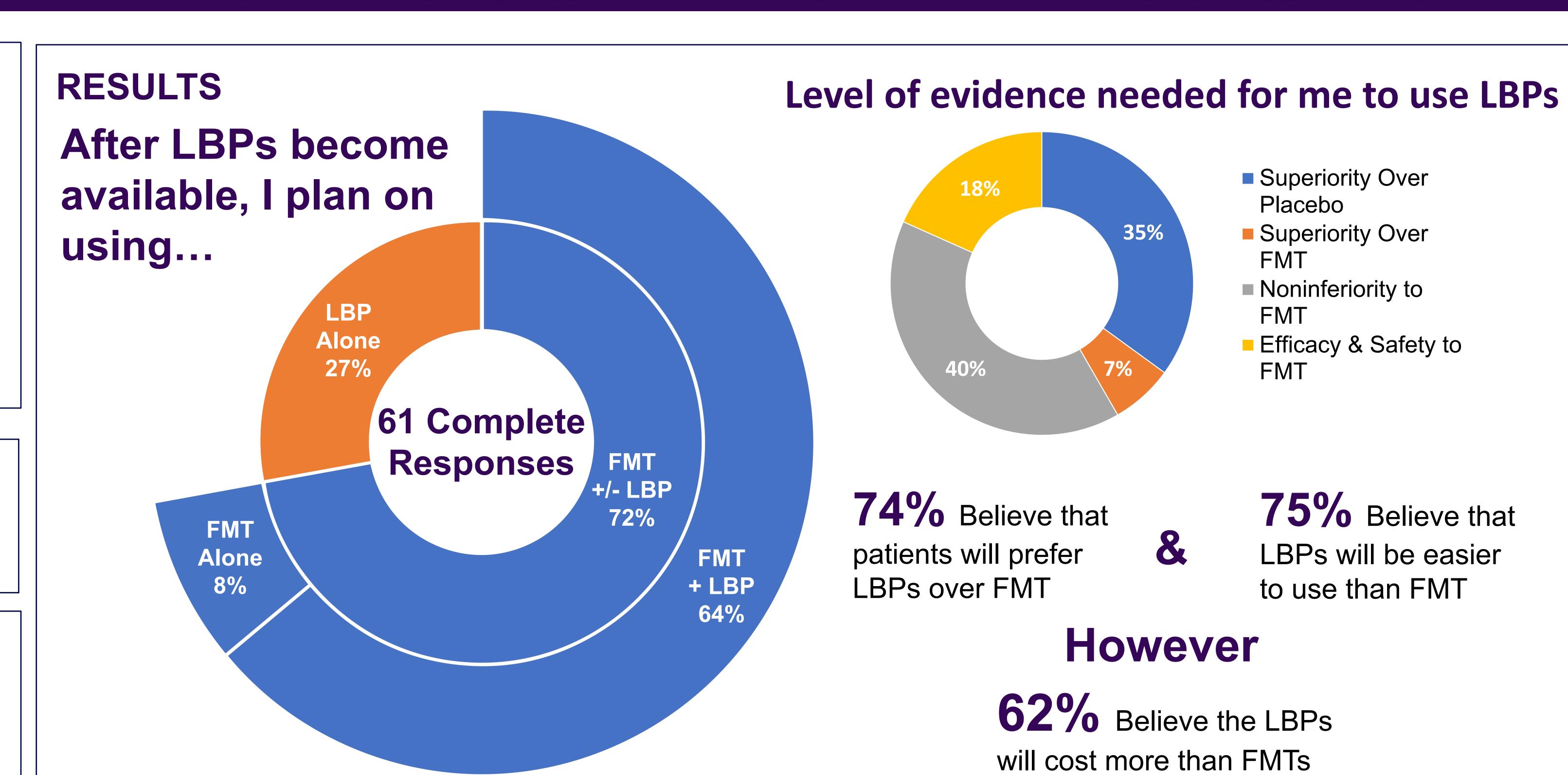
- FMT is effective for treatment of recurrent C. difficile infection (CDI), but use is limited by access to FMT material.
- Commercial formulations of live microorganisms, known as live biotherapeutic products (LBPs), are being developed for CDI.
- Late-stage clinical trials are underway.

AIM

 To understand the impact LBPs may have on the practice of FMT.

METHODS

- Survey developed by the FMT National Registry Steering Committee
- Wave 1 emailed on 12/15/2020 to 135 investigators who were currently enrolling participants in or in negotiations to join the FMT registry.
- Wave 2 emailed on on 02/09/2021 to 1,050 AGA members who were affiliated with the Immunology, Microbiology & Inflammatory Bowel Diseases and Microbiome & Microbial Therapy sections of the AGA Institute Council.
- Survey closed on 02/25/2021.



CONCLUSIONS

- LPBs are expected to be approved soon for treatment of CDI by the FDA
- Many practitioners report concerns about cost, efficacy, and unanticipated adverse effects, although most felt patient preference and ease of use would favor LBPs
- A small minority of practitioners plan to continue to use conventional FMT exclusively
- Most respondents felt LBPs had to be at least as effective as FMT to justify their use

Concerns

56% That defined consortia may be less effective than wholestool products

39% That defined consortia may introduce strains not present in a patient's native gut microbiota

61% That the FDA may impose significant restrictions on providers performing conventional **FMT**

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