

# Is There a Lack of Dietary Data Collection in Real-world IBD Studies? Literature Review and Future Considerations

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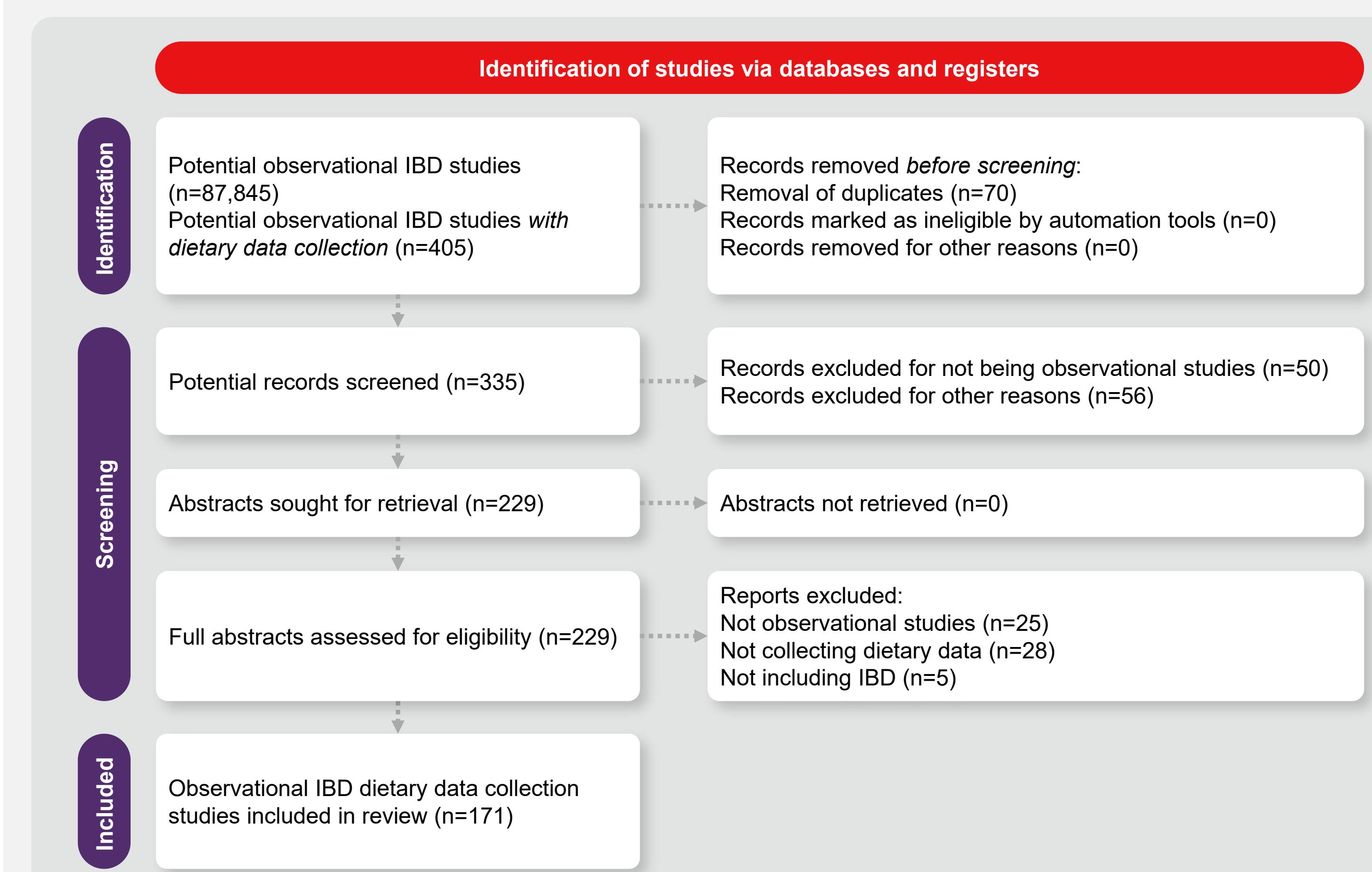
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## Background

- Leading gastroenterology associations (e.g., American Gastroenterological Association [AGA] and the European Crohn's and Colitis Organization [ECCO]), have recent guidelines that highlight evidence showing that healthy dietary patterns in patients with inflammatory bowel disease (IBD) can help manage their disease, reduce progression, or induce remission.<sup>1,2</sup>
- However, due to cost, data availability, and collection burden, it is unclear how often diet is ascertained in observational IBD studies, and the methods used to collect the data.
- This gap assessment will help guide recommendations for integrating dietary data into real-world evidence and applying to clinical practice.

## Results

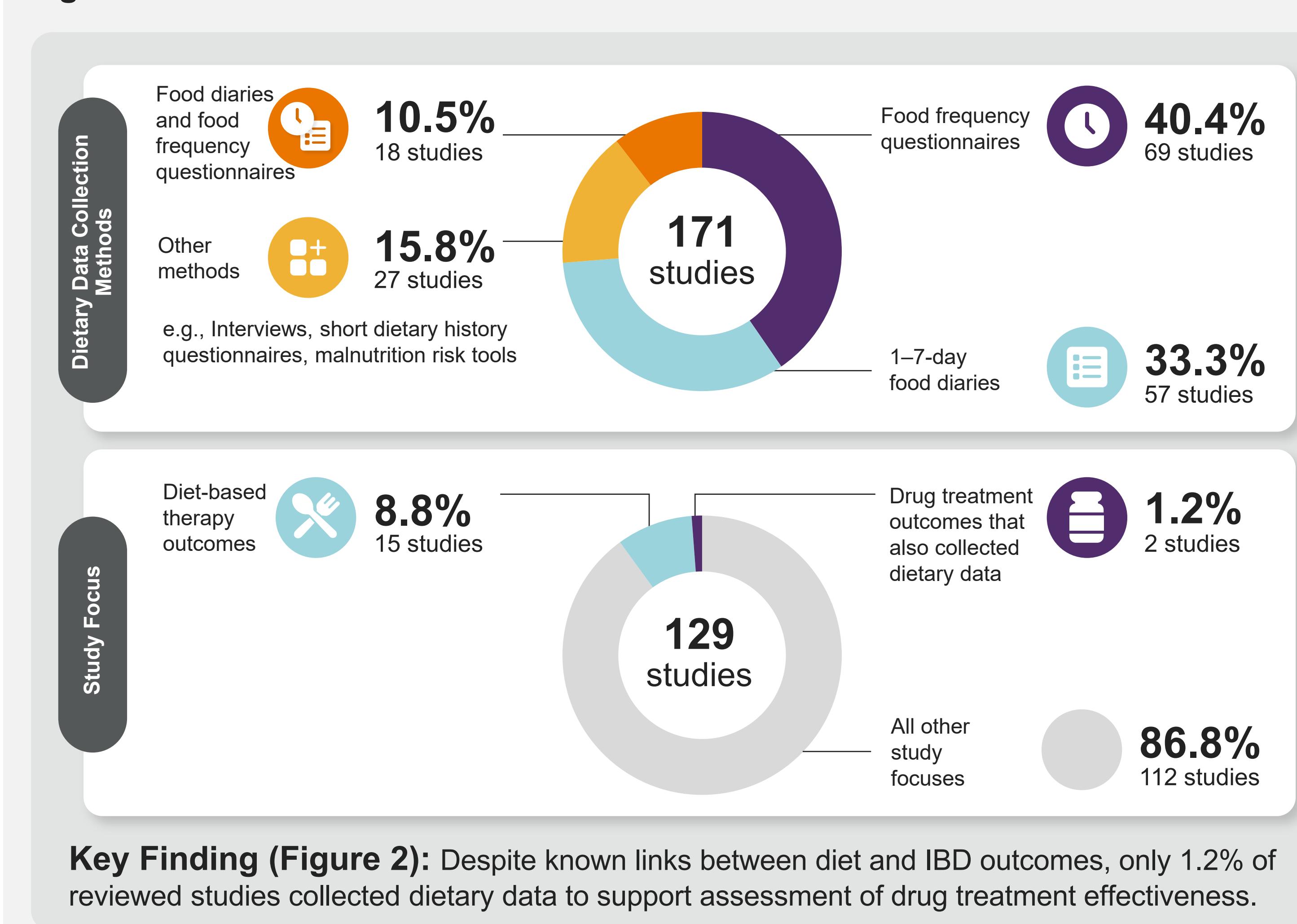
Figure 1. PRISMA Flow Diagram of Abstract Screening



Abbreviations: IBD = inflammatory bowel disease; PRISMA = Preferred Reporting Items for Systematic Reviews and Meta-analyses

- Of the 171 studies included, 40 (23.4%) studies were in CD, 24 (14.0%) were in UC, and 107 (62.6%) included both. One-hundred and nineteen studies (69.6%) focused on adults, while the remainder included children or both age groups.

Figure 2. Data Collection Methods



## Conclusions

- Dietary data collection methods varied among observational IBD studies.
- Few studies collected dietary data when evaluating drug treatment outcomes.
- Future study designs should align data collection methods with research objectives/population and balance participant burden with data quality.
- Many real-world limitations can be minimized through planning—including early input from clinical, nutrition, and operational experts during study design and start-up.

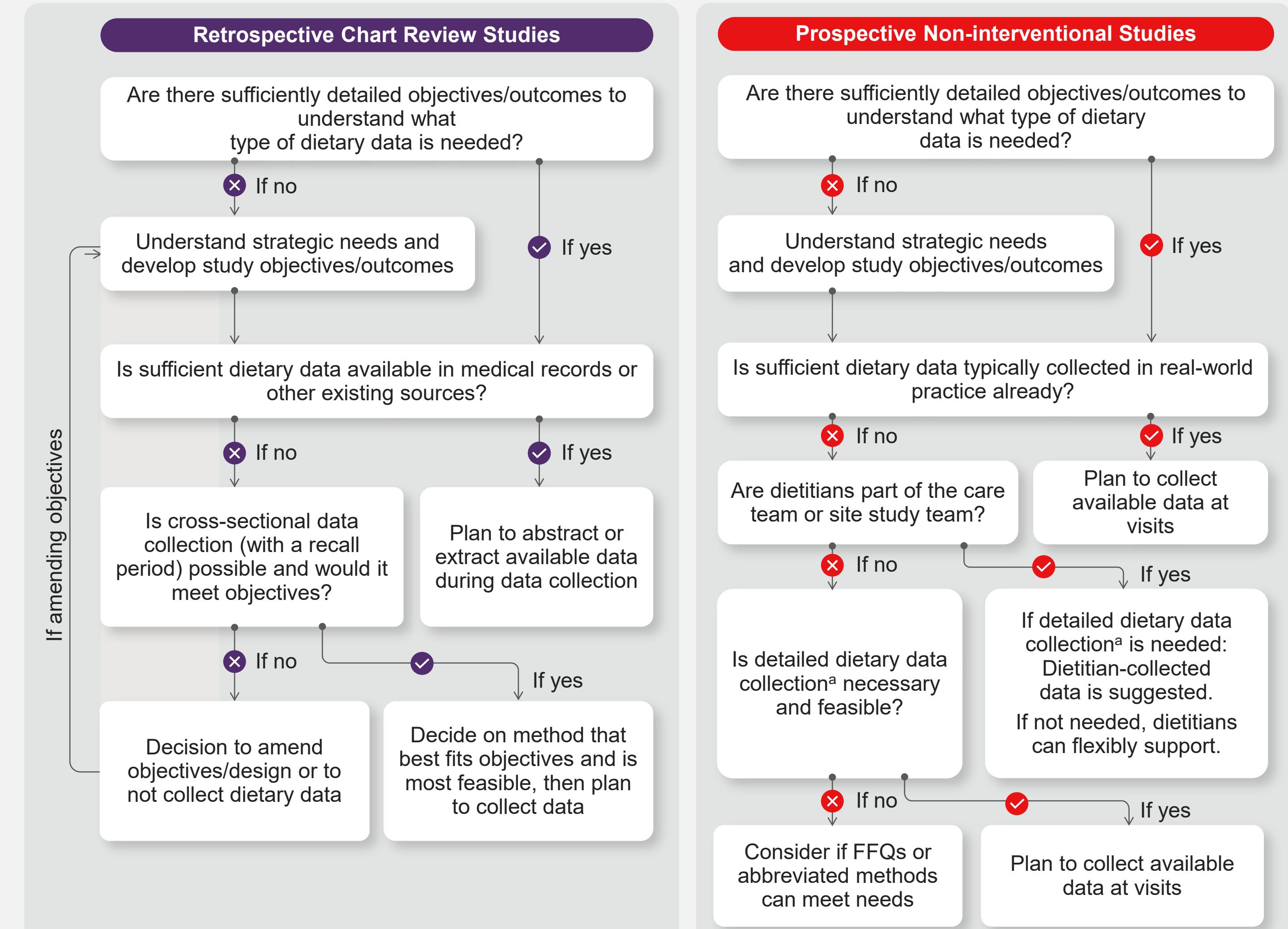
## Objective

- The objective was to describe dietary data collection methods and purposes in observational IBD studies and provide considerations to enhance future research.

## Methods

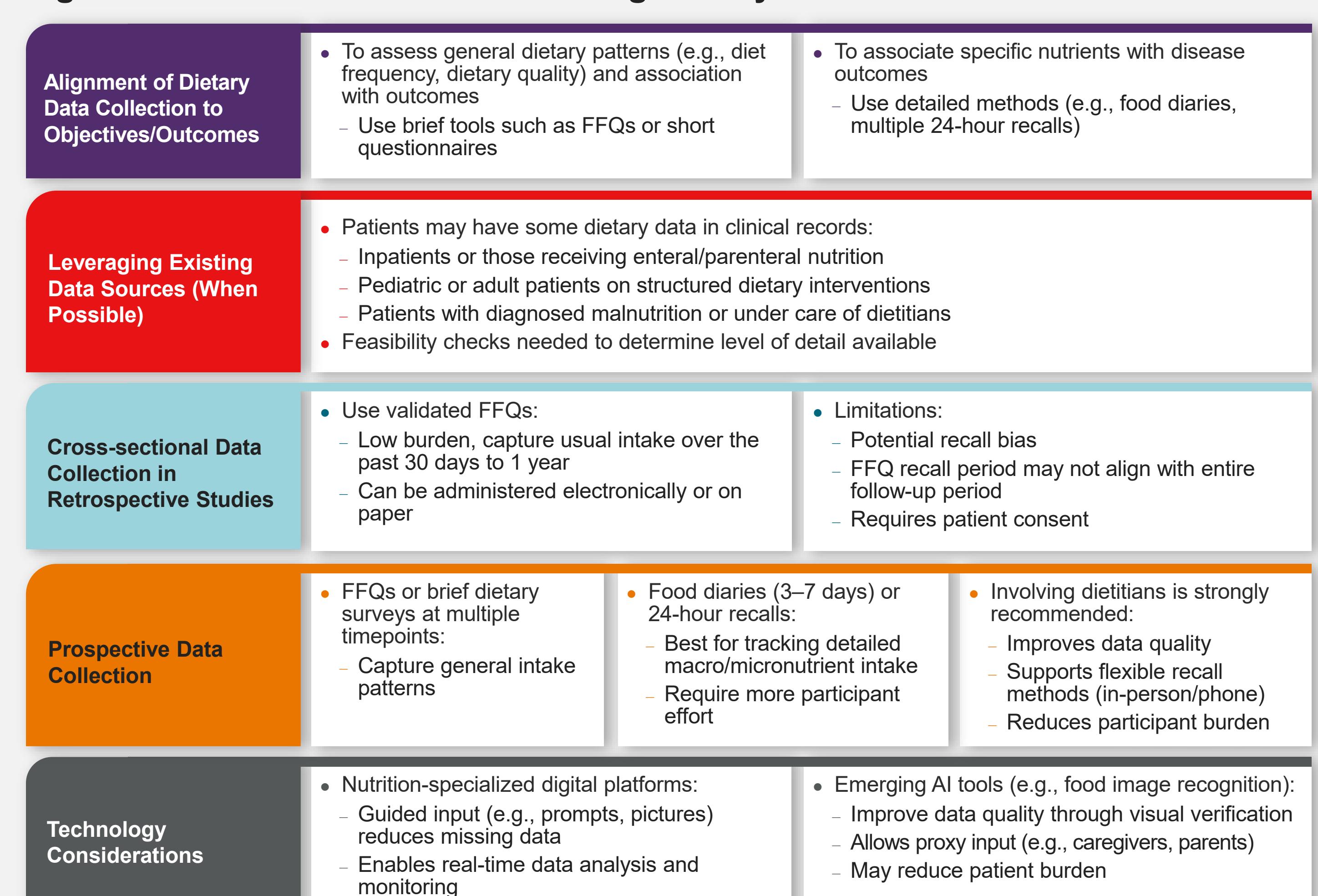
- A targeted literature review was conducted to identify observational IBD studies that collected dietary data. Searches were performed for IBD or ulcerative colitis (UC) or Crohn's disease (CD) and any of the following: 'nutrition', 'diet', 'dietary', 'food', 'diet record' 'diet questionnaire'.
- Records were retrieved from the databases (Embase and MEDLINE) and de-duplicated. Two individuals independently reviewed the remaining abstracts and full-text studies to ensure they met the search criteria and extracted key information, such as population, disease, data collection methods, and study outcomes.

Figure 3. Flow Diagrams For Selecting Appropriate Dietary Data Collection Methods For Future Studies



Abbreviations: FFQ = Food Frequency Questionnaire. <sup>a</sup>Detailed dietary data collection could include 24-hour recalls or food diaries.

Figure 4. Considerations For Selecting Dietary Data Collection Methods



Abbreviations: AI = artificial intelligence; FFQ = Food Frequency Questionnaire

## References

- Hashash JG, et al. *Gastroenterology*. 2024 Mar;166(3):521-532.
- Vaios Svolos V, et al. *J Crohns Colitis*. Published online July 12, 2025.

## Disclosures

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