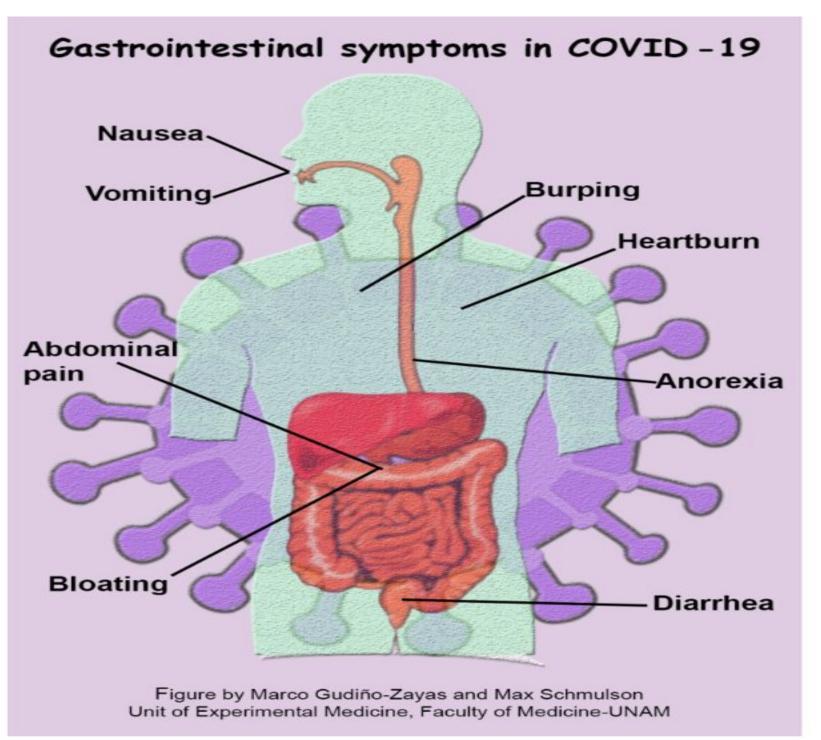
Northwestern Medicine

Background

- Post-viral gastrointestinal symptoms are well recognized.
- Over 50% of patients hospitalized with Covid-19 experienced at least one GI symptom.
- As SARS-CoV-2 binds to ACE-2 receptors located along the GI tract, and viral RNA is shed into feces, it is also possible that the infection can impact GI tract motility and/or gut flora leading to prolonged symptoms after the resolution of respiratory symptoms.



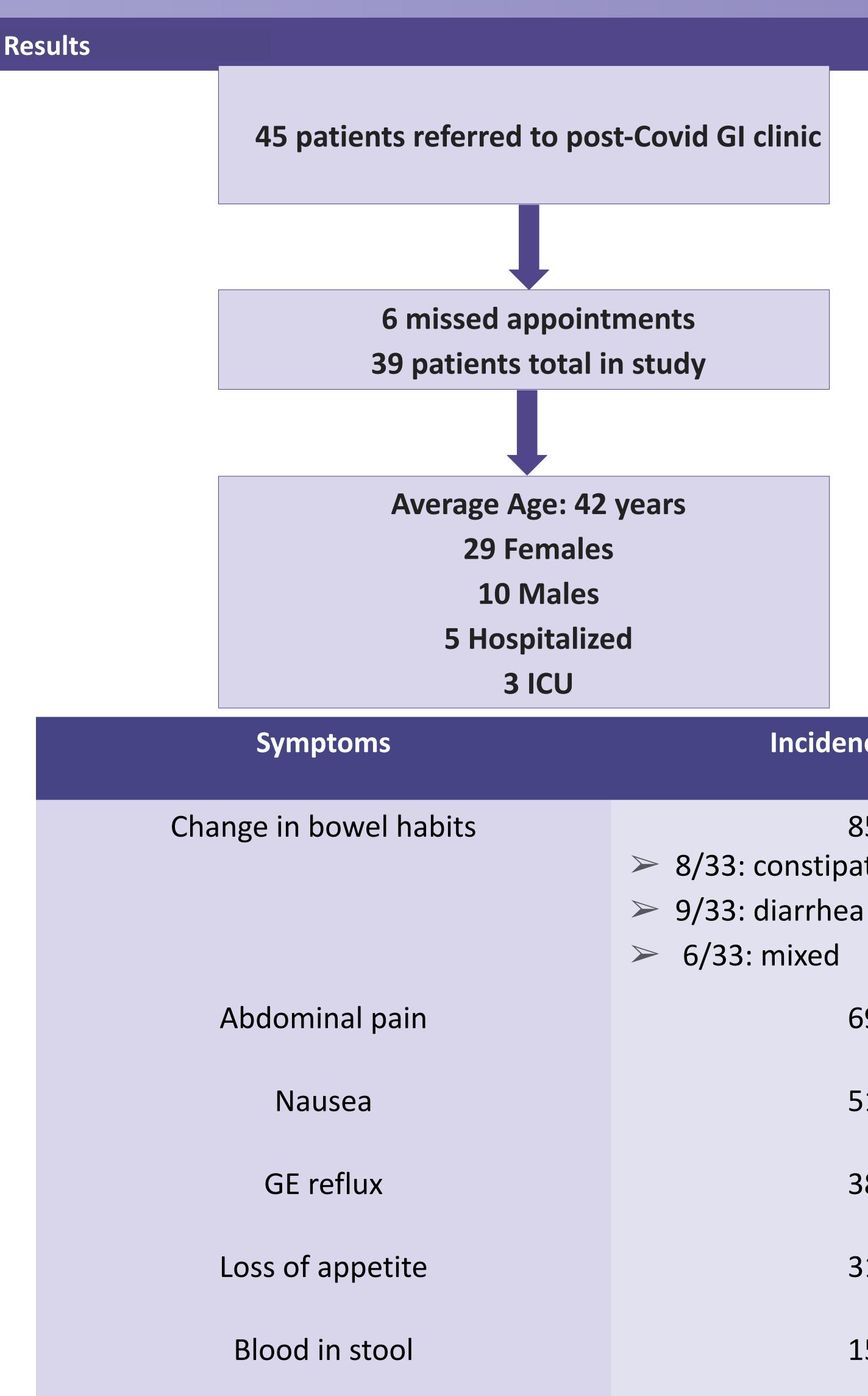
Methods

- A retrospective chart review was completed on all patients referred to Northwestern's post-covid GI clinic from November 2020– June 2021.
- For each patient, the following data was obtained: age, sex, hospitalization/ICU stays during their covid infection, psychiatric comorbidities, and GI history/medications. GI clinic notes were reviewed to determine primary post-Covid GI complaints.

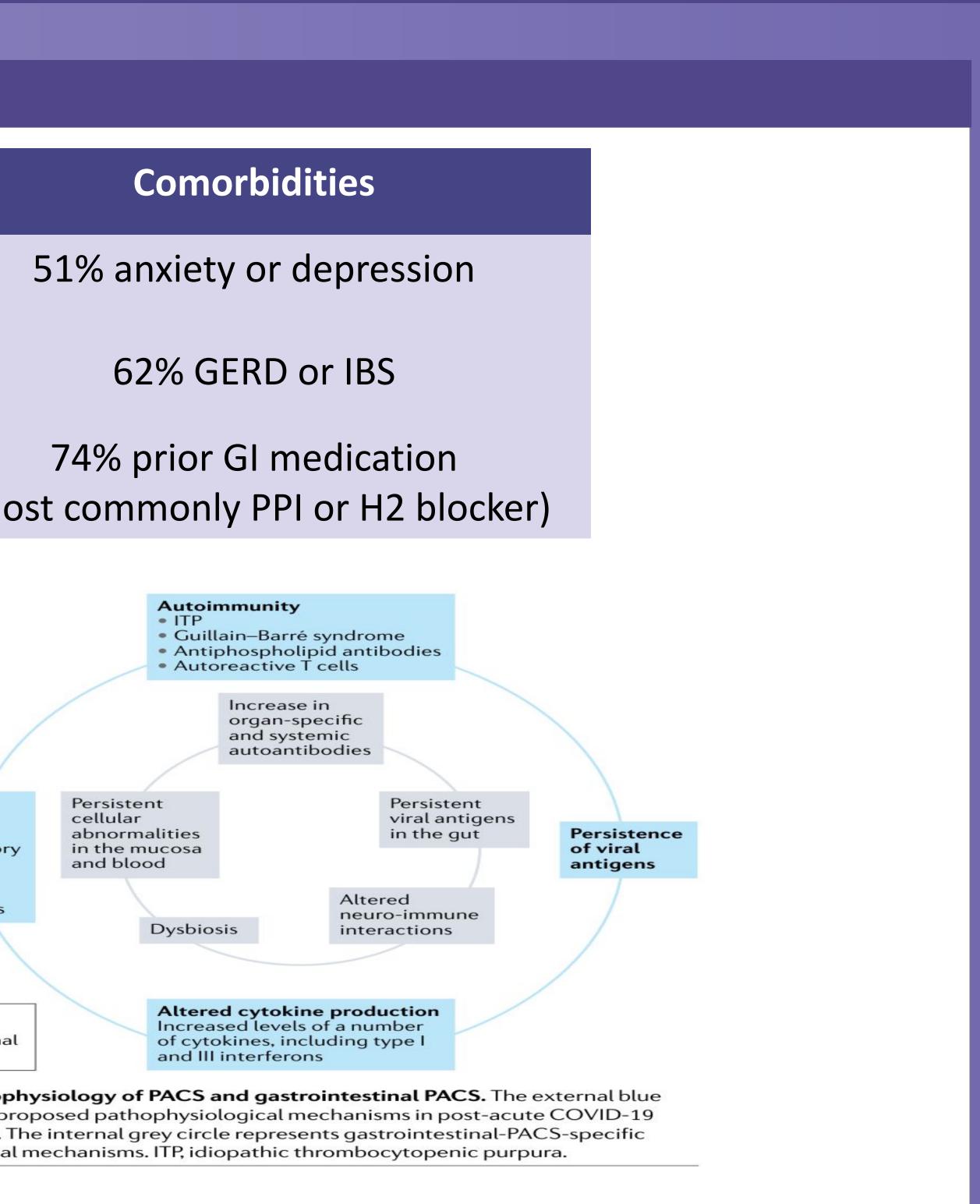
Identification of Trends in Post-Covid19 Infection in Gastroenterology Clinic Referrals

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	Results
	(mo
nce (n=39)	Persistent inflammation • Persistence of pro-inflammatory cells • Altered homeostatic milieu of organs
85% ation a	Gastrointestinal PACS Fig. 1 The pathopl circle represents pro syndrome (PACS). T pathophysiological
	Conclusions
59% 51% 38%	 Majority of patients seen in the patients of patients seen in the patients. A large percentage of patients we anxiety/depression. As with other GI tract diseases (e. comorbidities contribute to height)
31%	References
15%	1. Meringer, H. & Mehandru, S. Gastroint <i>Hepatol.</i> 19 , 345–346 (2022).



post-Covid GI clinic reported a change in bowel habits (primarily

vere noted to have concomitant psychiatric comorbidities of

e.g. IBS, IBD), it is not unexpected that pre-existing psychiatric shtened GI sensitivity or reporting of GI symptoms.

itestinal post-acute COVID-19 syndrome. Nat. Rev. Gastroenterol.