## Impact of the COVID-19 Pandemic and Social Determinants of Health on Missed Visits <br> <br> Harsha Sanaka, Rajat Garg, Vidhi Patel, John McMichael, Carole Macaron <br> <br> Harsha Sanaka, Rajat Garg, Vidhi Patel, John McMichael, Carole Macaron <br> Department of Gastroenterology, Hepatology \& Nutrition <br> Digestive Disease Institute, Cleveland Clinic, Cleveland, Ohio, USA

## INTRODUCTION

- The emergence of the COVID-19 pandemic led to dramatic changes in clinical practice, such as increased usage of telehealth services.
- Though these changes may have facilitated healthcare access for some, they can be detrimental to patients unfamiliar with utilizing technology, which may be reflected in missed visit rates.


## AIMS

- Our aim is to identify the trends and factors associated with missed visits.


## METHODS

- The study population consisted of patients receiving outpatient care in the Cleveland Clinic Gastroenterology department during the lock-down period from March $9^{\text {th }}, 2020$ to June $18^{\text {th }}, 2020$ and representative samples from corresponding periods in 2019 (before COVID-19) and in 2021 (after the flattening of the COVID-19 surge).
- "Missed" visits were defined as those in which patients either "Missed" visits were defined as those in which patis
- The following variables were collected and compared between the The foliowing variables were coliected and compared between
two groups (missed and completed visits): demographic data, two groups (missed and completed visits): demographic data,
substance abuse, insurance data, employment status, and median substance abuse, insurance data, employme
household income obtained from zip codes.
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Univariate and multivariable logistic regression analyses were Univariate and multivariable logistic regression analyses were
performed to determine factors associated with missed visits.



## RESULTS

- There was increase in missed visit rates since the onset of the pandemic ( 751 ( $4.2 \%$ ), $1340(10 \%$,) and $1693(10.4 \%)$ missed visits in 2019, 2020, and 2021, respectively ( $\mathrm{p}<0.001$ )).
- During the study periods, there were a total of 3768 missed visits and 43262 completed visits. Missed visits were more frequent among the following groups: age < 65 years, non-white race, Medicaid or other public insurance, the lowest two quartiles of median income, unemployed and unknown employment status, single marital status, tobacco and illicit drug use, and non-English speakers (Table 1).
- On multivariate analysis, missed visits were $1 \%$ less likely for every one-year increase in age; more prevalent with non-white race, Medicaid and other public insurance, unemployment, single status, tobacco and illicit drug use, and non-English/Spanish speakers; and less prevalent for those in the two highest quartiles of median income (Table 1).


## CONCLUSION

- The ever-increasing missed visit rate since the onset of the pandemic is concerning.
- The increased association of missed visits with certain demographic groups is also notable.
- Future efforts must target these underserved groups as healthcare systems adapt to the pandemic.

