Impact of COVID-19 Protective Measures on People Living with HIV/HCV in Chicago's **Under-resourced South and West Side Communities** Rachel Anderson BS², Paarul Sinha BA², Hollyn Cetrone MPH³, Bijou Hunt MS¹, Nancy Glick MD¹ **Infectious Disease Center** ¹Mount Sinai Hospital Infectious Disease Center, ²Chicago Medical School, ³Northwestern University Feinberg School of Medicine

Background

Context:

- On March 11, 2020 the World Health Organization (WHO) declared COVID-19 pandemic.¹
- COVID-19 is a respiratory disease caused by Sars-CoV-2 and can mild disease or serious respiratory failure and death.²
- On March 21, 2020, the Illinois governor declared a protective "shel place" order that directed residents to stay home, non-essential businesses to close, and banned gatherings of more than 10 people
- Sinai Infectious Disease Center (SIDC) serves patients living with H HCV primarily from communities with lower household income, high unemployment rates, and higher poverty rates than the Chicago ave

Concerns:

- COVID-19 protective measures have the potential to disrupt continu care and access to medications, both of which are important for peo living with HIV (PLH) to maintain viral suppression and good clinical outcomes.⁵
- Many PLH experienced loneliness due to social stigma and social prior to the rise of COVID-19, so they may be at increased risk of experiencing loneliness due to the "shelter-in-place" order.⁶
- Those in low socioeconomic groups are more likely to live in overcr housing and less likely to be able to work from home, therefore dec their ability to adhere to physical distancing guidelines and increasi opportunity to contract COVID-19.7

Objective:

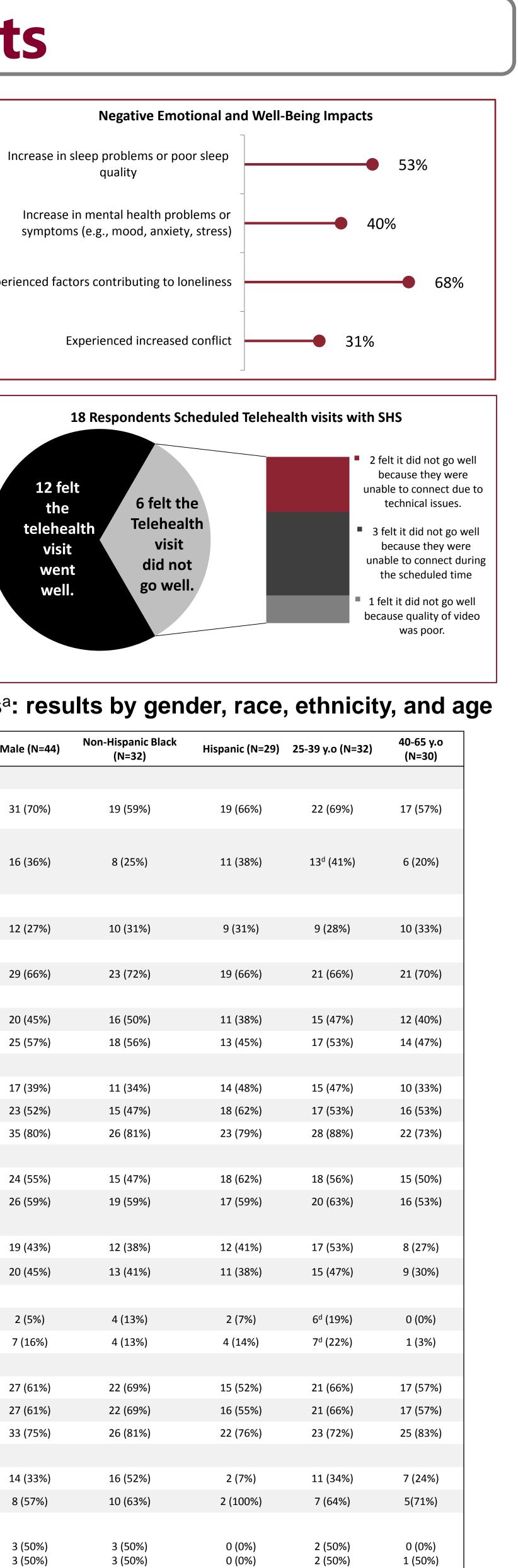
As patients regularly seen at SIDC are at risk of experienci negative effects resulting from the "shelter-in-place" order, we understand their experiences in order to best address the

needs.

Methods

Design	 We modified the Epidemic-Pandemic Impacts Inver (EPII)⁸, a survey designed to measure pandemic distimpact over nine domains of life, to assess how CO affected SIDC outpatients. Telehealth was assessed method to maintain access to care. Patients were selected by SIDC staff to participate From 5/11-29/2020, participants (n=62) completed survey online or over the phone and received a \$10 grocery gift card.
Analysis	 The data was collected in RedCap and analyzed usi STATA. A Pearson's chi-square test was used to dete statistically significant differences between groups
Demographics	 62 participants completed the survey Demographic breakdown: 18 Female/44 Male, 32 Hispanic Black/29 Hispanic/1 Asian, 32 25-39yo/30 65yo, 56 HIV/6 w HCV

esults	Re		
		omic Impacts	Negative Econo
Increas	- 63%		Laid off job, closed business, reduced hours, and/or furloughed
Incre symp		31%	Had to continue to work even though in close contact with people who might be infected (e.g. customers, patients, co-workers)
Experienced	50%		Unable to pay important bills (e.g. rent or
	4%	4	utilities) Unable to get enough food or healthy food.
			-
		aintenance Impacts	Health and Health Ma
12		13%	Had symptoms of this disease but never tested.
tele			Tested and currently have this disease.
v v	58%		Less physical activity or exercise.
	53%		Experiencing difficulty maintaining medical care
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r any adult in the home, ^cfactors include separation from family or close friends, not having ability or resources to talk to to a high-risk job, $\,^{
m d}$ Denotes significant difference between two groups of p-value < 0.05, ^eIncludes unable to get needed tion, or got less medical care than usual, ^fParticipants could select more than one reason for a poor quality telehealth

0 (0%)

0 (0%)

1 (50%)

- or social isolation

Reflection

- social and economic hardships

Potential Initiatives to Address COVID-19 Hardships

- connections

- counseling

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	Jul 2020.

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1 (17%)



Results Cont'd

Results indicate that COVID-19 protective measures have had a wide variety of impacts on persons living with HIV or HCV in the low-resourced South and West Sides of Chicago.

• 63% experienced a negative change in employment status, such as a lay off, reduced hours, furlough, or the need to close down own business • 68% had experiences that may lead to increased feelings of loneliness

• 53% reported difficulty maintaining medical care, including compromised ability to: get needed medications, get mental health treatment or therapy, or access medical care for a serious condition • 61% experienced positive life changes, such as more quality time with

friends/family and more time for enjoyable activities

• 67% of those who had **Telehealth Visits** reported satisfaction with the visit

Conclusions

• Data highlights ways in which Black and Hispanic individuals with HIV or HCV are affected by this pandemic

• Survey sheds light on potential services that could address individuals'

• Telehealth services have room for expansion and improvement, but they appear to be positive experience for individuals and can be used to prevent disruption of care due to the pandemic.

Recommendations for Future Research

• Further research is indicated to determine if people living with HIV or HCV are experiencing disproportionate hardships due to COVID-19 protective measures when compared with the general population as well as populations with equivalent socioeconomic status

Build capacity for virtual fitness programs

• Identify opportunities for employment assistance and make appropriate

• Advocate for accessible and affordable housing Ensure patients are getting appropriate referrals for behavioral health

• Prioritize SIDC community input in design of initiatives

While suggestions above may seem like large scale responses, the **COVID-19** Pandemic and its impacts on low–resourced or disproportionately burdened communities will be longstanding, and solutions to these obstacles will likely be most successful when constructed to be sustainable and far reaching.

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