CANCER SUPPORT COMMUNICATION

BACKGROUND

- COVID-19 continues to have long-lasting effects on healthcare experiences and health-related quality of life, especially for individuals who are more reliant on frequent medical services, such as those living with a cancer diagnosis.
- We examined the effects of healthcare disruption and psychosocial well-being among people with cancer more than 2 years into the evolving COVID-19 pandemic.

METHODS

- A longitudinal sample (*N*=173) of adults aged 18+ in the US who have ever been diagnosed with cancer participated in online surveys about their COVID-19 experiences at three timepoints: Time 1 (September – December 2020), Time 2 (June – July 2021), Time 3 (June – July 2022)
- Participants answered questions regarding:
 - **COVID-19:** negative impact (1=Not at all negatively impacted; 5=*Extremely negatively impacted*) and ever testing positive (yes/no)
 - **Disruptions in cancer care:** if experienced, how, and why
 - Psychosocial well-being: PROMIS-29 4-item Depression and Anxiety subscales; transformed standardized T-scores reported
- Frequencies were calculated and within-groups (repeated measures) and between-groups analyses (*t*-tests) were conducted

PARTICIPANTS

Descriptives at Time 1 (N = 173)	Mean/ n S
Age (years) , range (32-88)	<i>M</i> =60.4
Gender	
Woman	139
Man	33
Genderqueer/Non-binary	1
Race & Ethnicity	
Non-Hispanic White	136
Non-Hispanic Black	12
Non-Hispanic other/Multiracial	12
Hispanic	11
Household Income	
<\$60,000	64
\$60,000 - \$99,999	37
\$100,000+	43
Cancer Diagnosis	
Breast cancers	54
Blood cancers	48
Gynecological cancers	13
Gastrointestinal cancers	10
Other cancers [†]	38
Years Since Diagnosis, range (<1-49)	<i>M</i> =9.1
<2 years	24
2 to <5 years	49
≥5 years	100
Current Cancer Status	
Experiencing cancer for the first time	22
Experiencing cancer recurrence/relapse	18
In remission/No current evidence of disease	
Ever Metastatic	32
[†] Other cancers reported include bladder, head and neck, kidney, meland	oma, prostate, skii

' Other cancers reported include bladder, head and neck, kidney, melanoma, prostate, skin, and thyroid, among others. Note: Percentages may not = 100% due to missing data or "prefer not to share" response.



COVID-19 impact and psychosocial well-being among adults living with cancer: A longitudinal analysis Erica E. Fortune PhD, Victoria G. Morris, PhD, Caroline Lawrence, Alexandra K. Zaleta, PhD Cancer Support Community, Research and Training Institute, Philadelphia, PA, USA

RESULTS

		ne 1 ec 2020		ne 2 1 2021		ne 3 1 2022
Had Disruption*	n	%	n	%	n	%
Yes	78	45%	27	16%	27	16%
No	95	55%	142	84%	144	84%
Disruption Type	n	%	n	%	n	%
Routine screening	20	12%	12	7%	8	5%
Imaging service	30	17%	8	5%	6	3%
Lab service	29	17%	7	4%	6	3%
Treatment session	10	6%	1	1%	4	2%
Supportive services	10	6%	4	2%	2	1%
Other type	13	8%	3	2%	2	1%

*For Time 1 and 2, respondents were asked about disruption in cancer care within last 3 months. For Time 3, time frame was changed to "in 2022."

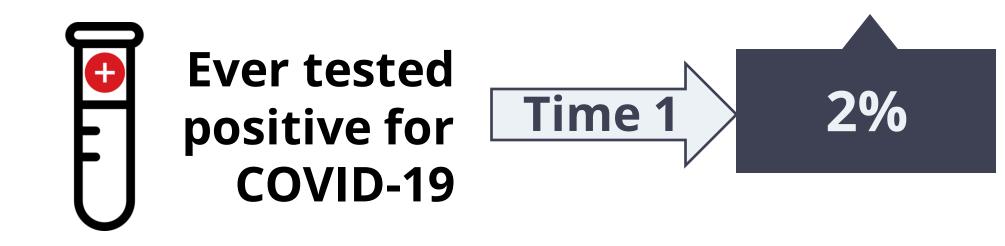
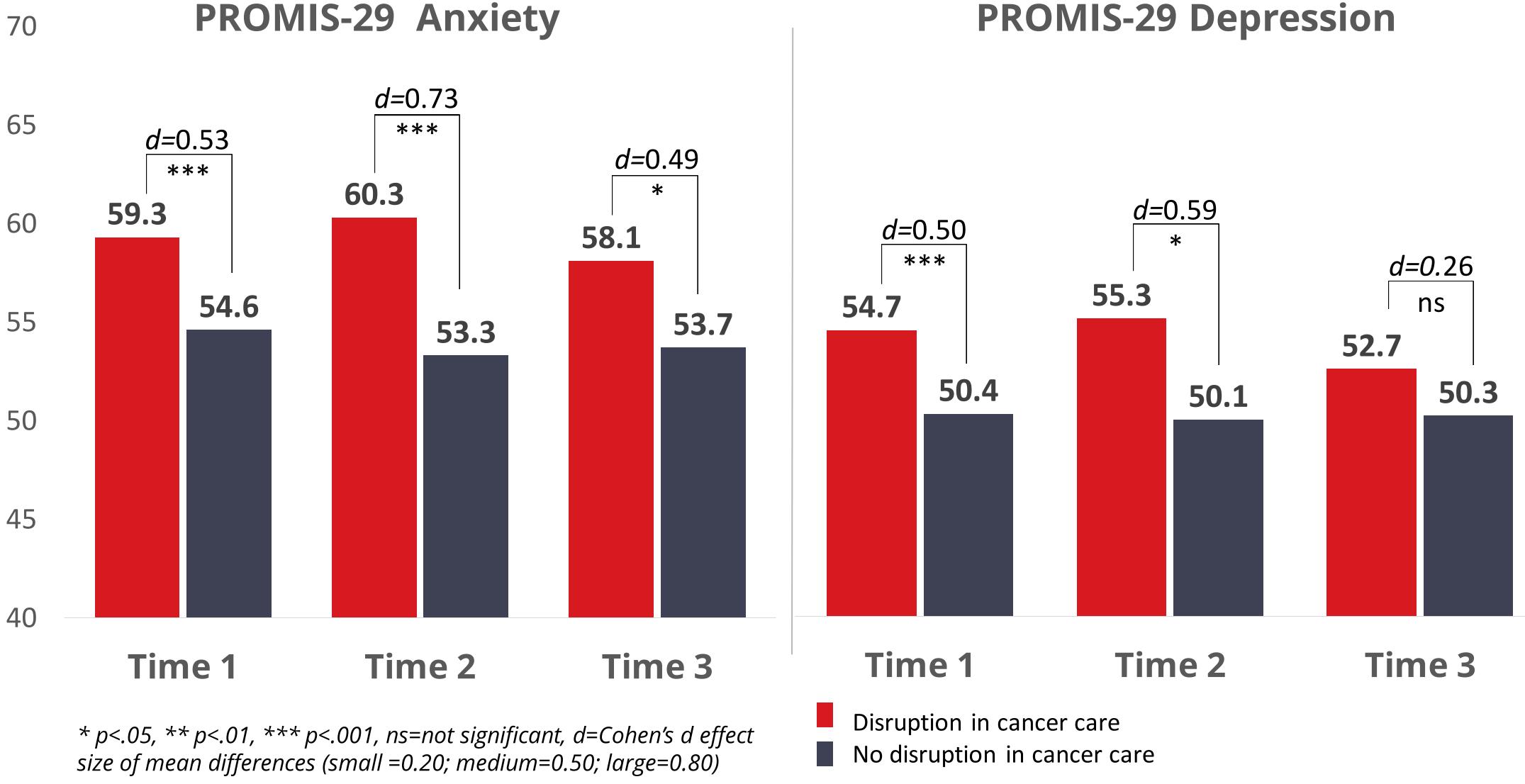


Figure 1. Psychosocial well-being across time by disruption in cancer care



CONCLUSIONS AND IMPLICATIONS

ACKNOWLEDGMENTS

Financial support for this work was provided by AbbVie, Amgen Oncology, Astellas Pharma, Bristol Myers Squibb, Genentech, Gilead Sciences, Lilly Oncology, Merck & Co, Inc, Novocure, and Takeda Oncology. Recruitment support was provided by Cancer Support Community and Gilda's Club partners, Colorectal Cancer, Men's Health Network, and Thelma D. Jones Breast Cancer Fund.

SD/ % *SD*=11.4 80% 19% <1% 79% 7% 7% 6% 37% 21% 25% 31% 28% 8% 6% 22% *SD*=8.0 14% 28% 58%

13% 10% 67% 19%



Notably, over 2 years into the COVID-19 pandemic, those living with cancer are still experiencing disruptions in their care despite high vaccination rates. While disruptions in cancer care, anxiety, depression, and negative impact of COVID-19 all decreased over time, those experiencing disruption in their cancer care reported worse psychosocial well-being at each of the three time points.

Our results underscore the continued need for (1) tracking pandemic-related disruptions in cancer care and (2) providing accessible psychosocial support and resources among those experiencing disruptions in their cancer care, due to the ongoing impact of COVID-19.

Commonly cited reasons for **delay or cancellation** of cancer-related appointments were similar across time:



Provider recommendation

Fear of contracting COVID-19

Despite the **96% vaccination rate** by Time 3, missing a recent cancer-related appointment due to testing positive for COVID-19 was more frequently reported at Time 3 (31%) than at Time 1 or 2 (4%) and 5%, respectively).

Table 2. PROMIS-29 Anxiety and Depression across time for all respondents

	Mean	SD
Anxiety		
Time 1	56.7	9.2
Time 2	54.4	10.0
Time 3	54.5	9.2
Depression		
Time 1	52.3	8.9
Time 2	50.9	9.0
Time 3	50.8	9.0
COVID-19 Impact		
Time 1	3.6	1.0
Time 2	3.3	1.0
Time 3	3.3	1.1

- **Repeated measures analysis** indicate a significant effect of Time on Anxiety, *F*(2, 344)=9.459, *p*<.001 and Depression, *F*(2,344)=4.967, *p*<.01.
- Pairwise comparisons show significantly higher Anxiety and Depression at Time 1 compared to Time 2 and Time 3.