# Differences in Psychological Well-Being Based on Cancer Type during Cancer Treatment

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#### BACKGROUND **METHODS** For individuals with cancer, diagnosis and treatment generate N = 201 cancer survivors (120) Participants completed a survey myriad of stressors for them and their social circles. breast, 58 prostate & 23 electronically or by mail including These results are preliminary, cross-sectional data from an measures of the following: colorectal) ongoing prospective study of resilience among breast, prostate • Self-efficacy Ages 24-79 years (M= 58.5 • Difficulty with emotion regulation and colorectal cancer survivors. years, SD= 11.8; 132 female) • Depression & anxiety Previous research has shown that cancer survivors Recruited using the Rapid Case • Spirituality demonstrate poorer health-related quality of life compared to Ascertainment (RCA) Shared Resilience individuals with no history of cancer. Resource at Yale Cancer Center. Post-traumatic stress Our aim is to examine whether there are differences in Participants were within six Concerns about recurrence psychosocial well-being based on cancer type among adults in months of anticipated end of • Coping active treatment. primary treatment at enrollment.

Prostate cancer survivors self-report significantly better psychosocial health and well-being than breast and colorectal cancer survivors following the conclusion of primary active treatment.



### RESULTS

	Breast (n= 120, 59.7%) M (SD)	Prostate (n= 58, 28.9%) M (SD)	Colorectal (n= 23, 11.4%) M (SD)	Total Sample (N=201) M (SD)	F-value	Directionality
Self-Efficacy	7.71 (1.73)	8.60 (1.41)	6.82 (2.14)	7.87 (1.77)	10.19**	P>B;P>C
Depression	10.39 (3.26)	9.19 (2.85)	11.67 (4.85)	10.18 (3.42)	4.76**	C>P
Anxiety	11.31 (4.46)	9.14 (3.58)	12.14 (3.97)	10.77 (4.29)	6.24**	B>P;C>P
Resilience	13.36 (2.40)	12.66 (2.80)	11.86 (3.32)	12.99 (2.67)	3.54*	
Cancer Recurrence	12.05 (4.32)	8.51 (3.59)	12.05 (4.10)	11.19 (4.38)	11.96**	B>P;C>P
Coping						
Mental Disengagement	9.80 (2.21)	8.05 (2.58)	9.27 (2.51)	9.24 (2.47)	10.43**	B>P
Venting of Emotions	8.71 (2.65)	6.39 (2.24)	8.27 (3.07)	7.98 (2.78)	15.56**	B>P
Positive Reinterpretation	12.97 (2.82)	11.07 (2.76)	11.50 (3.29)	12.25 (2.98)	9.28**	B>P
Emotional Social Support	12.01 (2.92)	9.30 (3.37)	10.81 (3.84)	11.09 (3.37)	13.90**	B>P
Acceptance	13.81 (2.13)	13.04 (2.43)	12.68 (2.71)	13.46 (2.32)	3.57*	
Active Coping	12.23 (2.39)	11.31 (2.46)	10.95 (2.80)	11.83 (2.49)	4.09*	
Suppression of Competing Activities	10.48 (2.23)	9.27 (2.64)	10.05 (3.03)	10.09 (2.49)	4.69**	B>P
Planning	12.43 (2.86)	11.18 (3.16)	10.48 (4.07)	11.85 (3.17)	5.43*	B>P; B>C

Significant results from one-way ANOVA. \*\*Significant at the 0.01 level (2-tailed). \*Significant at the 0.05 level (2-tailed). Measures of emotional regulation difficulties, impact of illness event and spirituality were non-significant. The following subscales of the COPE Inventory were also non-significant: restraint, instrumental social support, religious coping, denial, substance use, & behavioral disengagement.

## CONCLUSIONS

- Prostate cancer survivors reported higher rates of self-efficacy & less fear of cancer recurrence compared to both breast and colorectal cancer survivors.
- Colorectal cancer survivors reported significantly higher rates of anxiety and depression compared to prostate survivors.
- Additionally, breast cancer survivors demonstrated greater anxiety and utilization of both emotion-focused and problem-focused coping strategies compared to prostate cancer survivors.
- These better outcomes for prostate cancer survivors may be partially attributed to gender differences as well as the older age of prostate (M= 66.2 years) compared to breast and colorectal survivors (M= 55.1 and M= 56.7 respectively).
- These results have the potential to assist stakeholders to identify specific psychosocial vulnerabilities based on cancer type that can inform future targeted interventions for each population of cancer survivors.

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