

Treatment delays of >90 days associated with poor outcomes in localized breast cancer: a National Cancer DataBase (NCDB) analysis

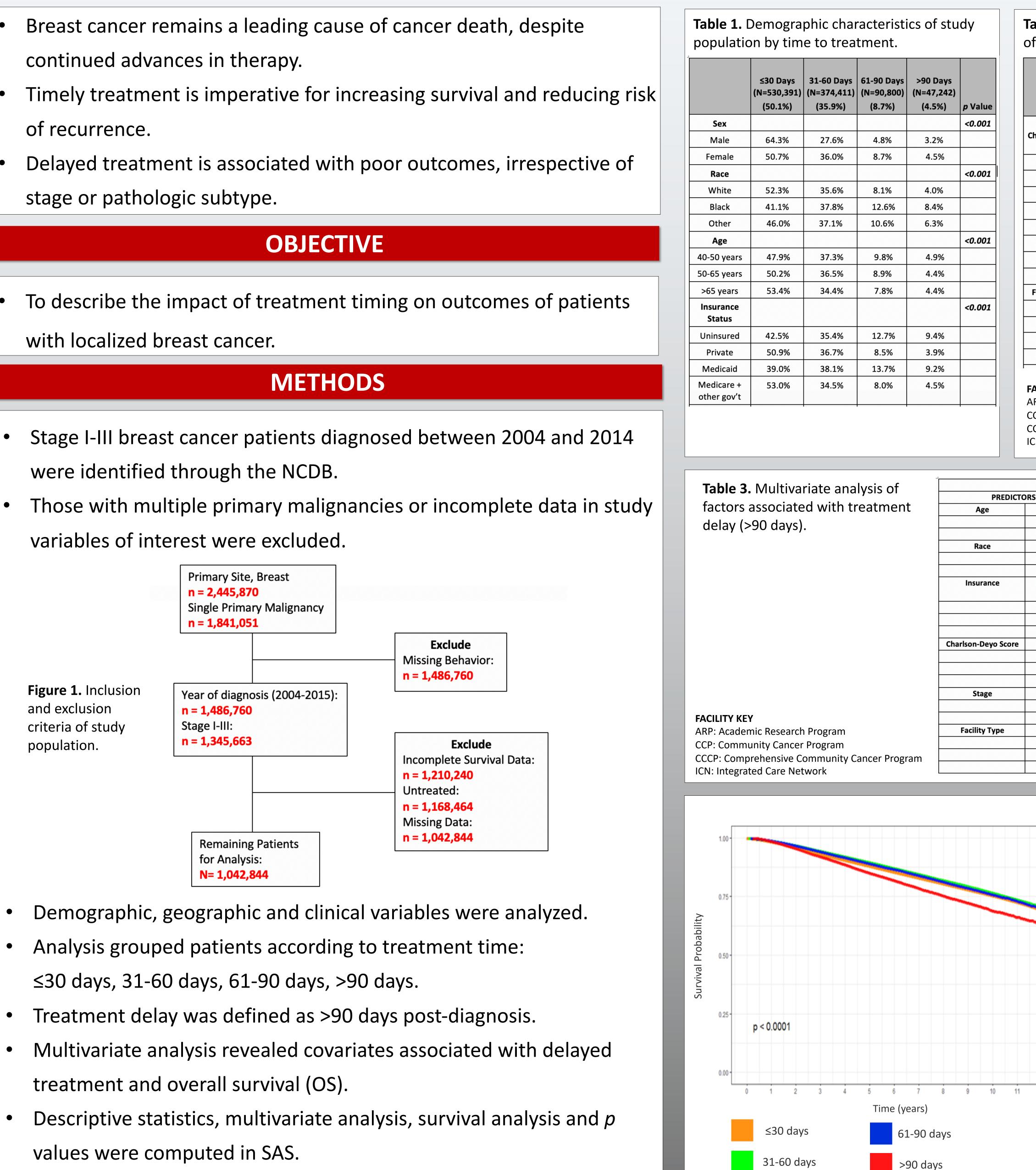
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INTRODUCTION

- continued advances in therapy.
- of recurrence.
- stage or pathologic subtype.

with localized breast cancer.

- were identified through the NCDB.
- variables of interest were excluded.



- values were computed in SAS.

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RESULTS

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 Table 2. Clinical and treatment features
of study population by time to treatment.

	≤30 Days (N=530,391) (50.1%)	31-60 Days (N=374,411) (35.9%)	61-90 Days (N=90,800) (8.7%)	>90 Days (N=47,242) (4.5%)	p Value
lson-Deyo Score					<0.001
0	51.2%	35.8%	8.6%	4.4%	
1	49.2%	36.3%	9.3%	5.2%	
2	47.5%	36.5%	10.0%	6.0%	
≥3	43.8%	35.7%	12.0%	8.4%	
Stage					<0.001
1	51.1%	36.1%	8.7%	4.1%	
2	50.1%	36.1%	8.9%	4.8%	
3	51.8%	34.1%	8.3%	5.9%	
lity Type					<0.001
ССР	59.4%	30.2%	6.8%	3.6%	
СССР	54.4%	34.4%	7.5%	3.7%	
ARP	43.3%	39.5%	11.0%	6.2%	
ICN	46.8%	38.7%	9.6%	4.9%	

FACILITY KEY

Facil

ARP: Academic Research Program

CCP: Community Cancer Program

CCCP: Comprehensive Community Cancer Program ICN: Integrated Care Network

	MULTIVARIATE				
	OR	95% CI	<i>p</i> Value		
-50 years					
-65 years	0.96	(0.94,0.99)	<.0001		
65 years	0.83	(0.80,0.85)	<.0001		
White					
Black	2.15	(2.10,2.20)	<.0001		
Other	1.27	(1.22,1.32)	<.0001		
edicare +					
Other					
Private	0.82	(0.79,0.84)	<.0001		
ninsured	2.02	(1.92,2.14)	<.0001		
1edicaid	1.77	(1.70,1.84)	<.0001		
0					
1	1.09	(1.06,1.12)	<.0001		
2	1.19	(1.12,1.26)	<.0001		
≥3	1.51	(1.37,1.67)	<.0001		
1					
2	1.29	(1.26,1.32)	<.0001		
3	1.55	(1.50,1.60)	<.0001		
ARP					
ССР	0.64	(0.62,0.66)	<.0001		
СССР	0.64	(0.63,0.65)	<.0001		
ICN	0.86	(0.83,0.89)	<.0001		



Figure 1. Adjusted regression model of OS corrected for race, stage, insurance status, Charlson-Deyo score, surgical procedure, order of therapy, facility type and facility location.

- in 8.7% and > 90d in 4.5% of patients.
- Median time to treatment was 25 days.
- 6% to 10.6% and > 90d: 3.3% to 5.1%).
- 1.11, 95% CI 1.08-1.13, *p<0.001*).

- the last ten years.
- intervenable.
- treatment.



NATIONAL **CANCER** DATABASE

RESULTS

• Time to treatment was ≤30d in 50.9%, 31 - 60d in 35.9%, 61 - 90d

• Overall, delays in treatment increased from 2004-2014 (61 - 90d:

• Those of younger age, Black race, without insurance or with Medicaid, higher comorbidity score and later-stage disease

demonstrated significantly increased odds of treatment delay.

• Treatment delay was associated with significantly worse OS (HR

• Adjusting for covariates, treatment >90 d post-diagnosis was associated with decreased survival (p<0.0001).

• Treatment at an academic institution was associated with

treatment delay; however, OS improved compared to community facilities (HR 0.81, 95% CI 0.79-0.82, *p<0.001*).

CONCLUSIONS

• This study identified factors associated with treatment delay—

many historic risk factors to disparate care.

• Although delayed treatment composed a small subset of the data, those treated >90 days post-diagnosis had poorer OS.

• Despite this limitation, delays in treatment increased overall over

Notably, academic institutions were associated with treatment delays; yet, OS improved compared to other facilities. Thus, delays in treatment may not fully explain outcomes and may be

• Further analysis is needed to examine the clinical impact of these findings and to improve practice patterns to minimize delays in

GRANT SUPPORT

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