

NEW ORLEANS

School of Medicine

Louisiana State University¹, LSU Health Sciences Center, New Orleans, Behavioral and Community Health Sciences², Gulf South **Clinical Trials Network³**

Results

Introduction

- the development of cancer therapeutics, care, and treatment strategies.
- characteristics can be deemed as either hospital or patient barriers.



- compared using multilevel or hierarchical logistic regression model.

Multilevel Analysis of Clinical, Physician, and Patient L5U **Barriers to Enrollment in the Gulf South Trial Network** Janusz Wojcik¹, Denise Danos PhD², Eileen Mederos RN³, Holli Bologna RN³, Augusto

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oportion	95%-CI	
0.30 0.44 0.54 0.71 0.80 0.90 0.95 0.96	[0.01; 0.23] [0.07; 0.65] [0.39; 0.50] [0.33; 0.74] [0.59; 0.82] [0.75; 0.84] [0.84; 0.94] [0.87; 0.99] [0.94; 0.97] [0.42; 0.88]	
0.42 0.68 0.75 0.76 0.89	[0.00; 0.29] [0.33; 0.52] [0.56; 0.78] [0.57; 0.89] [0.71; 0.81] [0.86; 0.92] [0.34; 0.83]	
0.87 1.00 0.99 0.96	[0.73; 0.82] [0.86; 0.89] [0.89; 1.00] [0.95; 1.00] [0.76; 0.99]	
0.76 [0.57; 0.88]	
trial scr	reenings.	
Proportion	95%-Cl	
0.17 0.29 0.36 0.38 0.65 1.00	[0.00; 0.13] [0.00; 0.21] [0.04; 0.41] [0.04; 0.71] [0.11; 0.69]	
	[0.00; 0.11] [0.00; 0.37] [0.05; 0.36]	
0.23 1.00	[0.00; 0.04] [0.17; 0.30] [0.03; 1.00] [0.00; 0.98]	
0.10	[0.03; 0.28]	
ts the o s.	pportunity	' to

1 0 28 1 4 5 15 9	27 + 5 ⊢ 198 7 - 16 15 45		0.00 0.14 0.14 0.25	[0.00; 0.19] [0.00; 0.52] [0.10; 0.20] [0.00; 0.58] [0.07; 0.52]
28 1 4 5 15	5 ⊢ 198 7 − 16 15 45		0.00 0.14 0.14 0.25	[0.00; 0.52] [0.10; 0.20] [0.00; 0.58]
28 1 4 5 15	198 7 — 16 15 45		0.14 0.14 0.25	[0.10; 0.20] [0.00; 0.58]
1 4 5 15	7 — 16 15 45		0.14 0.25	[0.00; 0.58]
5 15	15 45		0.25	
5 15	15 45			[0.07: 0.52]
15	45			
				[0.12; 0.62]
9				[0.20; 0.49]
	14			[0.35; 0.87]
	327		0.21	[0.11; 0.37]
0	16 -	<u> </u>	0.00	[0.00; 0.21]
2	60 🕂		0.03	[0.00; 0.12]
5	21		0.24	[0.08; 0.47]
4	8		0.50	[0.16; 0.84]
36	64		0.56	[0.43; 0.69]
25	34		- 0.74	[0.56; 0.87]
	203		0.24	[0.06; 0.60]
67	153		0.44	[0.36; 0.52]
54	81	— •		[0.55; 0.77]
	234			[0.39; 0.70]
	764		0.26	[0.14; 0.43]
, df = 2 (p :	= 0.01) 0	0.2 0.4 0.6 0.8		
0	2 5 4 36 25 67 54	2 60 5 21 4 8 36 64 25 34 203 67 153 54 81 234	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

Figur

- Facilities with fewer than 10 patients screened for treatment trials over two years were excluded from the analysis to prevent selection bias, therefore, 5074 patients from 19 facilities were included in analysis.
- Approximately 82% of patients experienced a clinical or physician barrier from the Gulf South CTN.
- When comparing the calculated p-values with our alpha (0.05), we determine that there was no significant difference between facility types with respect to rate of ineligibility and rate of not being offered a trial. On the other hand, the rate of patient declining showed a significant difference, with public hospitals having the highest rate (55%).

Conclusions

- These results suggest that public facilities throughout the Gulf South CTN have the greatest barriers and, consequently, lowest clinical trial participation rate.
- There is a large variation of cancer clinical trial enrollment across all types of facilities. This may be in part due to screening practices like selective screening, which would lead to nonrepresentative data.



Nipp, Ryan D., Kessely Hong, and Electra D. Paskett. "Overcoming Barriers to Clinical Trial Enrollment." American Society of Clinical Oncology Educational Book, no. 39 (May 1, 2019): 105–114. Unger, Joseph M., Elise Cook, Eric Tai, and Archie Bleyer. "Role of Clinical Trial Participation in Cancer Research: Barriers, Evidence, and Strategies." American Society of Clinical Oncology educational book. American Society of Clinical Oncology. Meeting 35 (2016): 185–198. Unger, Joseph M, Dawn L Hershman, Cathee Till, Lori M Minasian, Raymond U Osarogiagbon, Mark E Fleury, and Riha Vaidya. "When Offered to Participate': A Systematic Review and Meta-Analysis of Patient Agreement to Participate in Cancer Clinical Trials." JNCI Journal of the National Cancer Institute

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