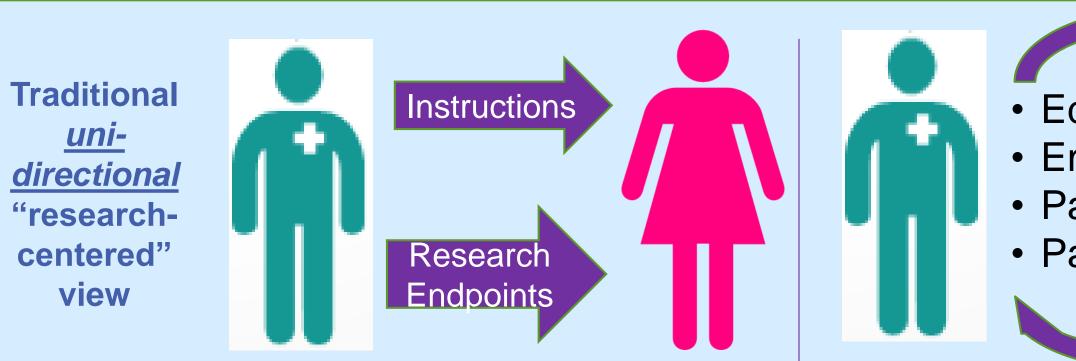


Project Transform – a multi-year, multi-stakeholder project – aims to integrate the patient experience into lung cancer treatment, research, and policy. Project Transform's vision is to ensure that the preferences of patients with lung cancer are recognized, their needs are valued, and that living well with lung cancer can be the norm.

Objective

- Lung cancer is the leading cause of cancer mortali
- Few studies have explored how values vary with patients' lung cancer treatment experience.
- Due to the rapidly increasing number of treatments for lung cancer, we sought to demonstrate a simple values elicitation method and explore how values differ across age.

Methods



- The values of patients and caregivers with lung cancer inclusive of all stages were explored using a simple values elicitation exercise developed in partnership with diverse stakeholder advisory boards.
- Data came from a national survey completed in partnership with LUNGevity and other collaborators (Patient Advocate Foundation, Cancer Support Community, and Edge Research)
- Respondents were presented with five treatment characteristics, including progression free survival (PFS), short-term side effects (ST-SE), long-term side effects (LT-SE), risk of late-onset side effects (LO-SE), and mode of administration.
- Values were elicited using a simple three-point Likert scale: not important, somewhat important, and very important, which were scored as 0, 5, and 10 respectively; compared using two sample t-tests.

"research

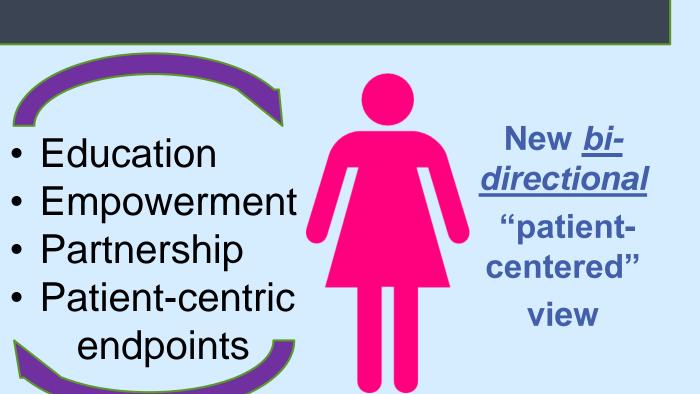
centered'

view

Does Age Affect What Patients Value When Considering Lung Cancer Treatments? Evidence from a National Survey

<u>C.J. Presley¹</u>, S. Janse¹, E. Anderson², K. Gallagher², A. Ferris³, E. Janssen⁴, <u>U. Basu Roy³</u>, J. Bridges¹; ¹The Ohio State University, Columbus, OH/United States of America, ²Patient Advocate Foundation, Hampton, VA/United States of America, ³LUNGevity Foundation, Bethesda, MD/United States of America, ⁴ICON PLC, Gaithersburg, MD/United States of America

ity	in	the	US	[1]	
<u> </u>				┗	



			Results		
Table 1 – I	Demograph	nics			
				Total	sample (n = 783)
Respondent	type	Patient – N (%)	555 (7	1%)
		Caregiver*-	N (%)	228 (2	29%)
Respondent Age		Mean (SD)		54.8 (15.0)	
Patients		≥60y		281 (5	•
Caregivers		≥60y		60 (26%)	
		Female – N (White – N (%	Female – N (%)		71%) 76%)
Race Patient Lung Cancer Type		Non-small cell		593 (76%) 609 (78%)	
		Small Cell		83 (10%)	
		Other/Don't know		91 (12%)	
Patient Treatment received		Chemotherapy		513 (66%)	
		Radiation		424 (5	
Years since diagnosis		Targeted Therapy Median (IQR)		234 (30%) 4 (2-7)	
	_	or the patient the			/
Table 2 – A	ttributes al	nd levels	-		
Attribute	PFS	Short-term side effects	Long-term side effects	Risk of late- onset side effects	<section-header></section-header>
	6 months	Mild	None	10%	Pills taken daily at anytime
Levels	12 months	Moderate	Mild	20%	Pills taken daily without food
	18 months	Severe	Moderate	30%	Infusion every 3 weeks

			Results		
Table 1 – L	Demograph	ics			
				Total	sample (n = 783)
Respondent	type	Patient – N (%)	555 (7	71%)
		Caregiver*– I	N (%)	228 (2	29%)
Respondent	Age	Mean (SD)		54.8 (15.0)	
Patients		≥60y		281 (5	51%)
Caregivers		≥60y		60 (26%)	
Sex		Female – N (%)		555 (71%)	
Race Patient Lung Cancer Type		White – N (%) Non-small cell		593 (76%) 609 (78%)	
		Small Cell		83 (10)%)
		Other/Don't know		91 (12%)	
Patient Treatment received		Chemotherapy		513 (66%)	
		Radiation		424 (5	
Vooro cinco	diagnacia	Targeted The		234 (3	
Years since of caregivers r		Median (IQR) or the natient the	ney were a car	4 (2-7 eaiver for	<u> </u>
Table 2 – A				egiver ior	
Attribute	PFS	Short-term	Long-term	Risk of	Mode of
		side effects	side effects	late- onset side effects	administration
	6 months	Mild	None	10%	Pills taken daily at anytime
Levels	12 months	Moderate	Mild	20%	Pills taken daily without food
	18 months	Severe	Moderate	30%	Infusion every 3 weeks

			Results		
Table 1 – I	Demograph	ics			
				Total	sample (n = 783)
Respondent	type	Patient – N (%)	555 (7	71%)
		Caregiver*– I	N (%)	228 (2	29%)
Respondent	Age	Mean (SD)		54.8 (15.0)	
Patients		≥60y		281 (5	51%)
Caregivers		≥60y		60 (26%)	
Sex		Female – N (%)		555 (71%)	
Race		White – N (%		593 (76%) 609 (78%)	
Patient Lung Type	Cancer	Non-small ce		009 (7	070)
		Small Cell		83 (10%)	
		Other/Don't know		91 (12%)	
Patient Treatment received		Chemotherapy		513 (66%)	
		Radiation		424 (5	•
		Targeted The		234 (3	
Years since diagnosis		Median (IQR)		4 (2-7)	
[^] caregivers i	responded to	or the patient th	ney were a car	egiver for	
Table 2 – A	ttributes ar	nd levels			
Attribute	PFS	Short-term side	Long-term side	Risk of late-	Mode of administration
		effects	effects	onset side effects	
	6 months	Mild	None	10%	Pills taken daily at anytime
Levels	12 months	Moderate	Mild	20%	Pills taken daily without food
	18 months	Severe	Moderate	30%	Infusion every 3 weeks

[1] U.S. National Institutes of Health. National Cancer Institute. SEER Cancer Statistics Review, 1975-2012. 2015. [2] Bridges JF, Janssen EM, Ferris A, Dy SM. Project Transform: incorporating the patient experience into lung cancer treatment, research, and policy. Working Paper



Major Findings

PFS was the most important attribute for respondents but as underestimated by caregivers compared to patients nean score MS(SD): 8.1 (2.9) v 8.6 (2.7), P=0.017].

aregivers overvalued the importance of ST-SE [MS (SD): 0 (3.3) v 6.1 (3.5), P<0.001), LT-SE (MS (SD): 8.4 (2.7) v 6 (3.1), P=0.001], and mode of administration [MS (SD): 9 (3.4) v 6.1 (3.7), P=0.008].

aregivers and patients did not differ on importance of LO-E [MS (SD): 7.5 (2.9) v 7.0 (3.1), P=0.052]

mong just patients, PFS was the most important attribute nd valued similarly between younger vs. older patients /IS (SD): 8.7 (2.6) v 8.5 (2.8), P=0.56].

owever, ST-SE [MS: 6.4 (3.1) v 5.7 (3.7), P=0.024] and Γ -SE [MS (SD): 8.0 (2.9) v 7.3 (3.2), P = 0.018] were ore important among patients < 60y vs. \geq 60y, respectively.

Conclusions

Among patients with lung cancer, PFS was highly valued regardless of patient age.

Older patients value short term and long term side effects differently as compared to younger atients

We are grateful to the lung cancer survivor community for making this study possible. Funding provided by Celgene, Merck, and Boehringer-Ingelheim