

# ACCC Improving Non-Small Cell Lung Cancer Care Delivery: Findings for Oncology Nurses and Patient Navigation From a National Quality Survey

# INTRODUCTION

- Oncology nursing and patient navigation are vital components of optimal cancer care planning, coordination, and delivery within multidisciplinary teams (MDTs)<sup>1–3</sup>
- Although widely implemented in clinical practice since its inception,<sup>4–5</sup> the design and delivery of patient navigation services in cancer care is often heterogeneous<sup>6–8</sup>
- The role and function of patient navigation within cancer care MDTs, including evidence-based interventions that can positively impact patient outcomes, need further clarification<sup>6–8</sup>
- In 2019, the Association of Community Cancer Centers (ACCC) and its partners implemented a multiphase initiative for advanced (stage III/IV) non-small cell lung cancer (NSCLC)

# **OBJECTIVES**

- To evaluate care coordination for advanced NSCLC by MDT disciplines, including oncology nursing and patient navigation
- To identify barriers to optimal care delivery in cancer programs

# METHODS

- MDT members, including oncology nurses and patient navigators, at U.S. cancer programs participated in a national, double-blind, online survey between January 24 and April 25, 2019
- Survey questions were customized for MDT disciplines using skip logic and included topics such as NSCLC screening, diagnosis, treatment, and care coordination
- Subanalyses examined relationships between care delivery practices and outcomes using statistical testing
- <u>Research Question 1</u>: To what extent does the presence of a patient navigator in a cancer program differ by geographical area classification and cancer program type?
- <u>Research Question 2</u>: To what extent is the use of formal health literacy assessments associated with the presence of patient navigators in cancer programs?
- <u>Research Question 3</u>: To what extent are differences in shared decision-making (SDM) influenced by the presence of patient navigators in cancer programs?
- Research Question 4: To what extent are there relationships between time to receipt of the first treatment modality and difficulty in obtaining prior authorization from health insurance companies for biomarker testing and treatment?

















CCCP, Comprehensive Community Cancer Program; CCP, Community Cancer Program; FCCP, Free Standing Cancer Center Program; HACP, Hospital Associate Cancer Program; INCP, Integrated Network Cancer Program; NCI, National Cancer Institute

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# RESULTS

• Among 1,211 survey respondents, 639 (response rate, 52.8%) complete responders from 160 unique cancer programs across 44 U.S. states were included in the analysis (**Figure 1A–C**)

# Figure 1. (A) Profession, (B) cancer program type, and (C) geographical area classification in the National Quality

### • Key Findings

**22.3%** (n=101) of respondents had neither nurse nor lay navigators in their cancer programs to assist patients with NSCLC

- observed
- navigators (Figure 2)

Explaining what SDM is to patients

Asking patients if they wish

on the values, goals, and preferences

Explaining potential risks/benefits 3.52

Using decision aids (e.g., tools such as 4.02 pamphlets or booklets that help patients participate in their healthcare decisions)

*Note*. Includes oncology nurses, nurse navigators, or advanced practice nurses, and financial advocates, navigators, or social workers who provide financial counseling and support patient access. Higher mean scores are indicative of a greater occurrence of SDM. Error bars represent SD. \*t-test results did not meet the assumption of equal variances, and degrees of freedom were adjusted accordingly. P value (0.082) for nonparametric testing was not statistically significant at the 0.05 alpha level. SD, standard deviation; SDM, shared decision-making.

• <u>Research Question 4</u>: No significant relationships were observed

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• <u>Research Questions 1 and 2</u>: No significant associations were

• <u>Research Question 3</u>: Significantly higher mean scores (P<0.05) for most elements of SDM were observed in cancer programs with patient navigators compared with programs without patient



## CONCLUSIONS

- care continuum
- involvement of patient navigators
- integrated within lung cancer care MDTs
- patients' understanding, and true informed consent
- NSCLC care delivery

#### REFERENCES

- Wells KJ, et al. Support Care Cancer 2018;26(5):1369-1382.
- Kehl KL, et al. JAMA Oncol 2015;1(1):50-58.
- Hunnibell LS, et al. *Clin J Oncol Nurs* 2012;16(1):29-36.
- 4. Freeman HP. Cancer Epidemiol Biomarkers Prev 2012;21(10):1614-1617.
- 5. Freeman HP, et al. *Cancer* 2011;117(15 Suppl):3539-3542.
- 6. Desveaux L, et al. *Syst Rev* 2019;8(1):8.
- Freund KM. Acta Oncol 2017;56(2):123-127.
- Gorin SS, et al. Ann Behav Med 2017;51(4):532-546.

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• Navigation services need to be expanded so that all patients may benefit from individualized assistance along the NSCLC

• The overwhelming lack of formal health literacy assessment use, which can restrict the ability of patients to participate in their care and treatment decisions, can be addressed through the increased

Oncology nurses and patient navigators should be strategically

• Patient navigators can significantly help decrease the provider burden of SDM by assisting with education, assessment of

• These findings can inform future process improvements for ideal

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