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# Community oncology clinicians' knowledge, beliefs, and attitudes regarding genomic tumor testing



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## Introduction

Genomic tumor testing (GTT) is a new technology that promises to make cancer treatment more precise. However, little is known about clinicians' knowledge, beliefs, and attitudes regarding GTT, particularly in community oncology settings.

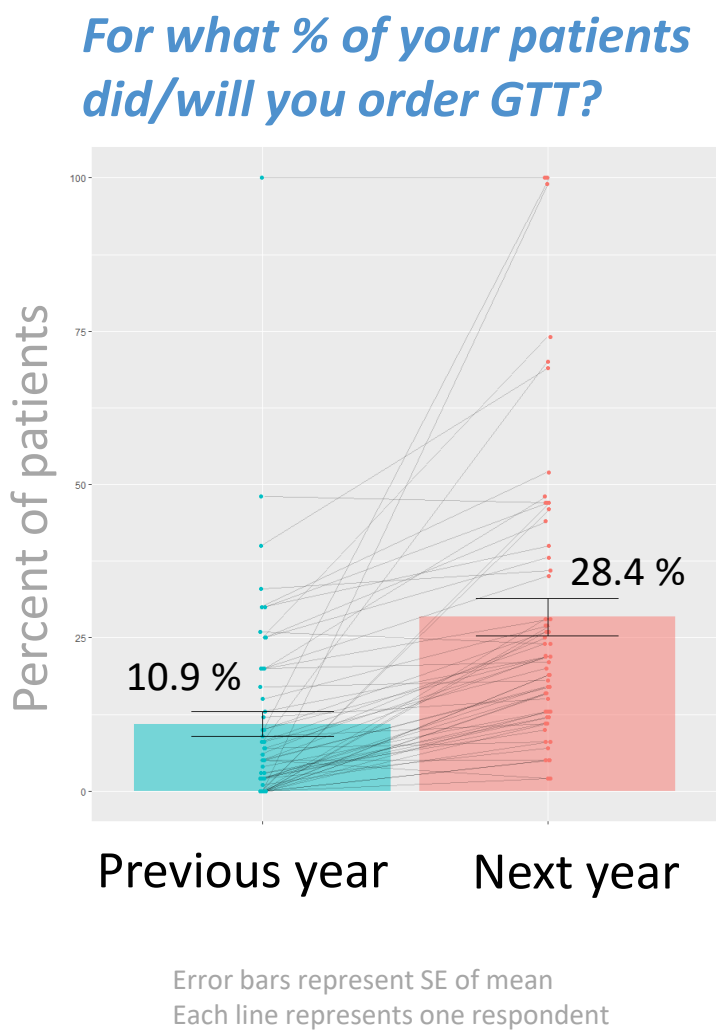
## Methods

58 Maine-based oncology clinicians completed a survey, as part of their participation in the Jackson Laboratory Maine Cancer Genomics Initiative (MCGI). The survey assessed their past and anticipated future testing practices, and their attitudes, confidence, and perceived barriers to implementing GTT.

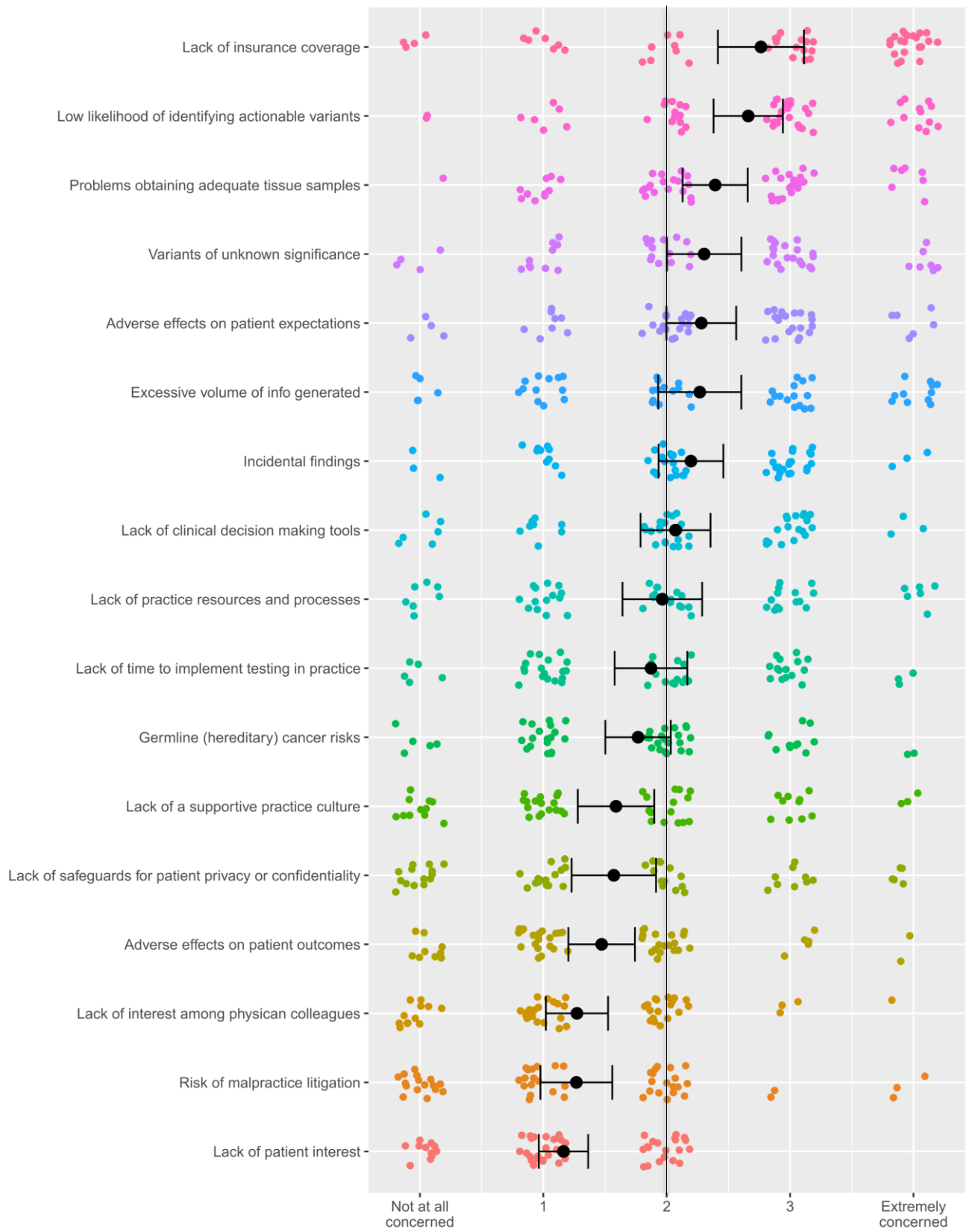
## Results

Fifty-nine clinicians were invited to complete surveys and 58 agreed to participate (98% response rate).

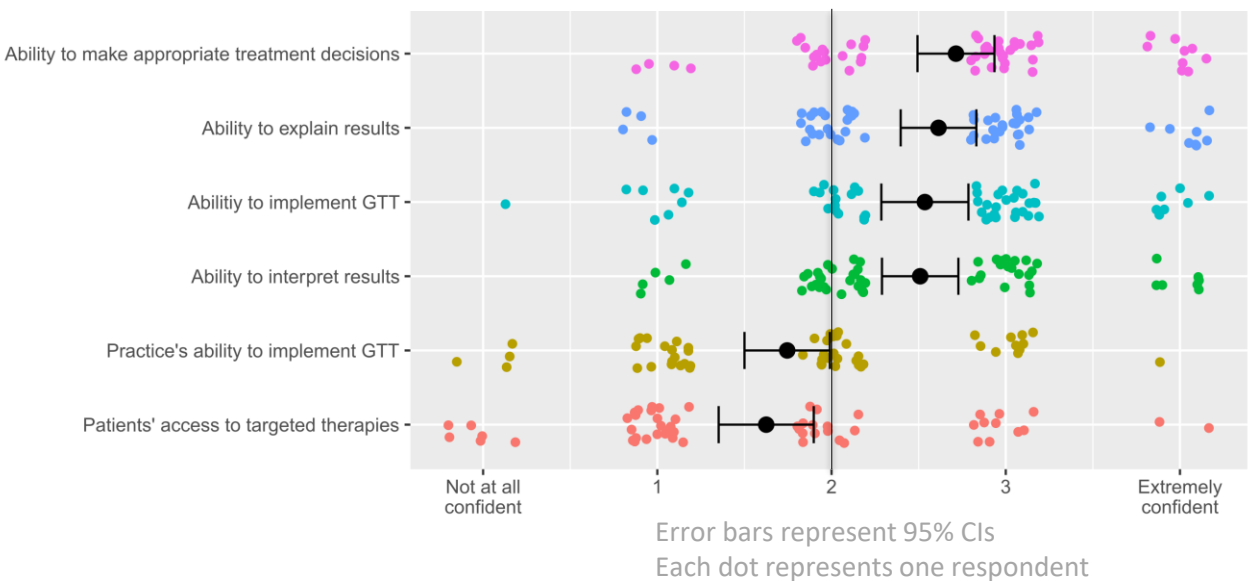
Credentials	Number (%)
DO	5 (9%)
MD	53 (91%)
Gender	
Male	29 (50%)
Female	26 (45%)
Unknown	3 (5%)
Practice Setting	
Rural	18 (31%)
Small town	15 (26%)
Suburban	12 (21%)
Urban	9 (16%)
Unknown	4 (7%)
Years of Experience	
1-4	1 (2%)
5-9	7 (12%)
10-19	24 (41%)
20-29	13 (22%)
30+	10 (17%)
Unknown	3 (5%)
Practice Size	
1-4	24 (41%)
5-9	12 (21%)
10+	16 (28%)
Unknown	6 (10%)



## Barriers to genomic tumor testing



## Confidence in using genomic tumor testing



## Attitudes towards genomic tumor testing



## Conclusions

- Oncology clinicians practicing in community settings report relatively high current use of GTT and higher anticipated use in the future.
- As GTT becomes more widespread, the knowledge, attitudes, and educational needs of community-based oncology clinicians will need to be understood and supported.

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