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Patient Advocacy Group-Led YouTube Live to Support Shared Decision-Making in EGFR-Mutant Lung Cancer: A Pre-Post Study

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Disclosure

- All authors have no conflicts of interest to disclose.
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- Pfizer had no role in the program design, survey design, data collection, data analysis, interpretation of the results, or preparation of the abstract and presentation materials.

Introduction

EGFR-mutant lung cancer has several first-line treatment options. Patients need to compare benefits, side effects, and their own values. However, medical information is often difficult to use in real decisions.

Methods

We developed a patient advocacy group-led YouTube Live program.

The program included:

- treatment-effect measures
- comparison of treatment options
- patient stories

Design: pre-post web survey

Primary endpoint:

- Total DCS score

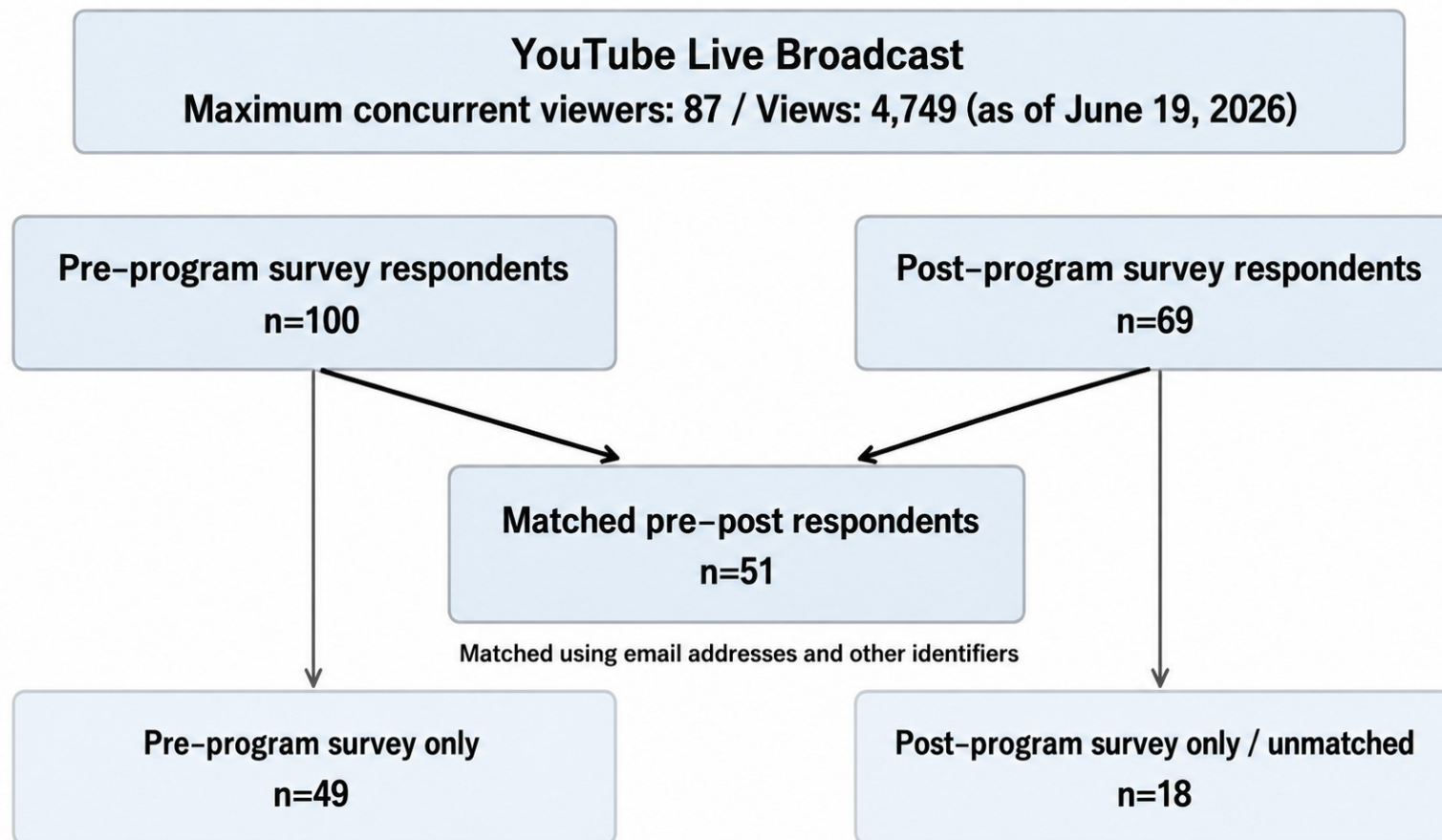
Secondary endpoints:

- 5-item HLS
- DCS subscales

Exploratory endpoint:

- PrepDM (post-program only)

Results



Key point

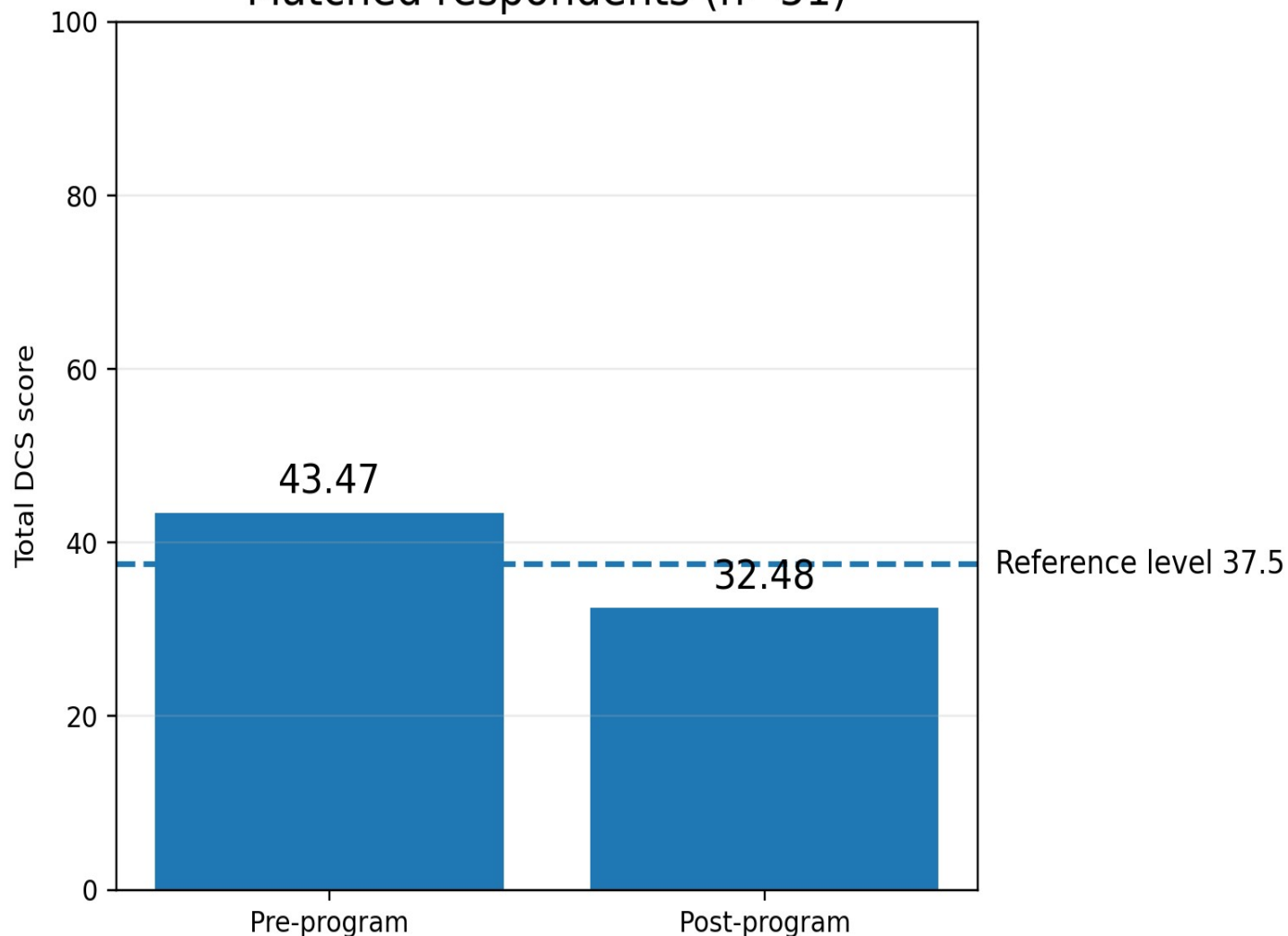
Pre-program survey:
n=100

Post-program survey:
n=69

**Matched pre-post
sample:
n=51**

**The main pre-post
analysis used the 51
matched respondents.**

Change in Total DCS Score Matched respondents (n=51)



Main result

Total DCS score decreased significantly.

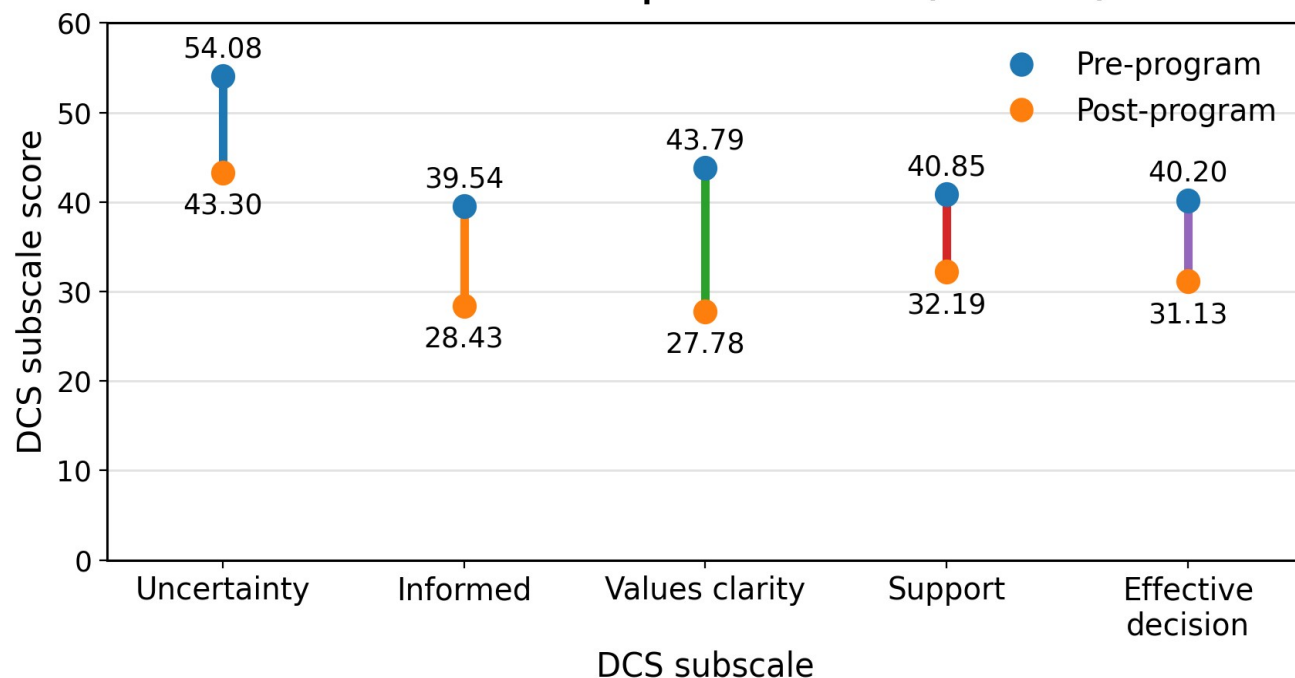
43.47 → 32.48

Mean change:
–11.00 points

$p < .001$
Cohen's $d = 0.63$

Lower DCS means less
decisional conflict.

Change in DCS Subscale Scores Matched respondents (n=51)



Subscale results

All five DCS subscales improved.

The largest change was in values clarity.

Uncertainty also improved, but remained the highest score.

This suggests that the program helped patients clarify their values, but did not remove all uncertainty.

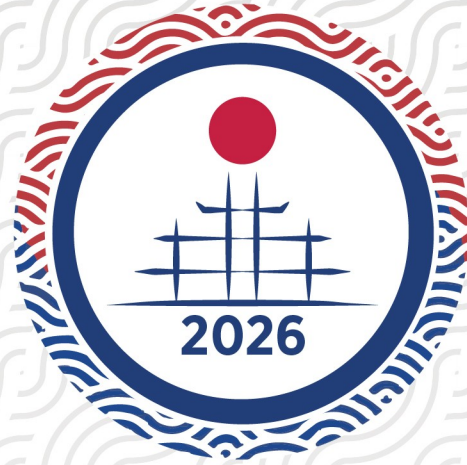
Conclusion

This YouTube Live program was associated with:

- lower decisional conflict
- improved health literacy
- high preparation for decision-making

The program did not remove uncertainty.

information may help patients with uncertainty to move forwards and prepare to talk with doctors.



Thank You.