

BACKGROUND



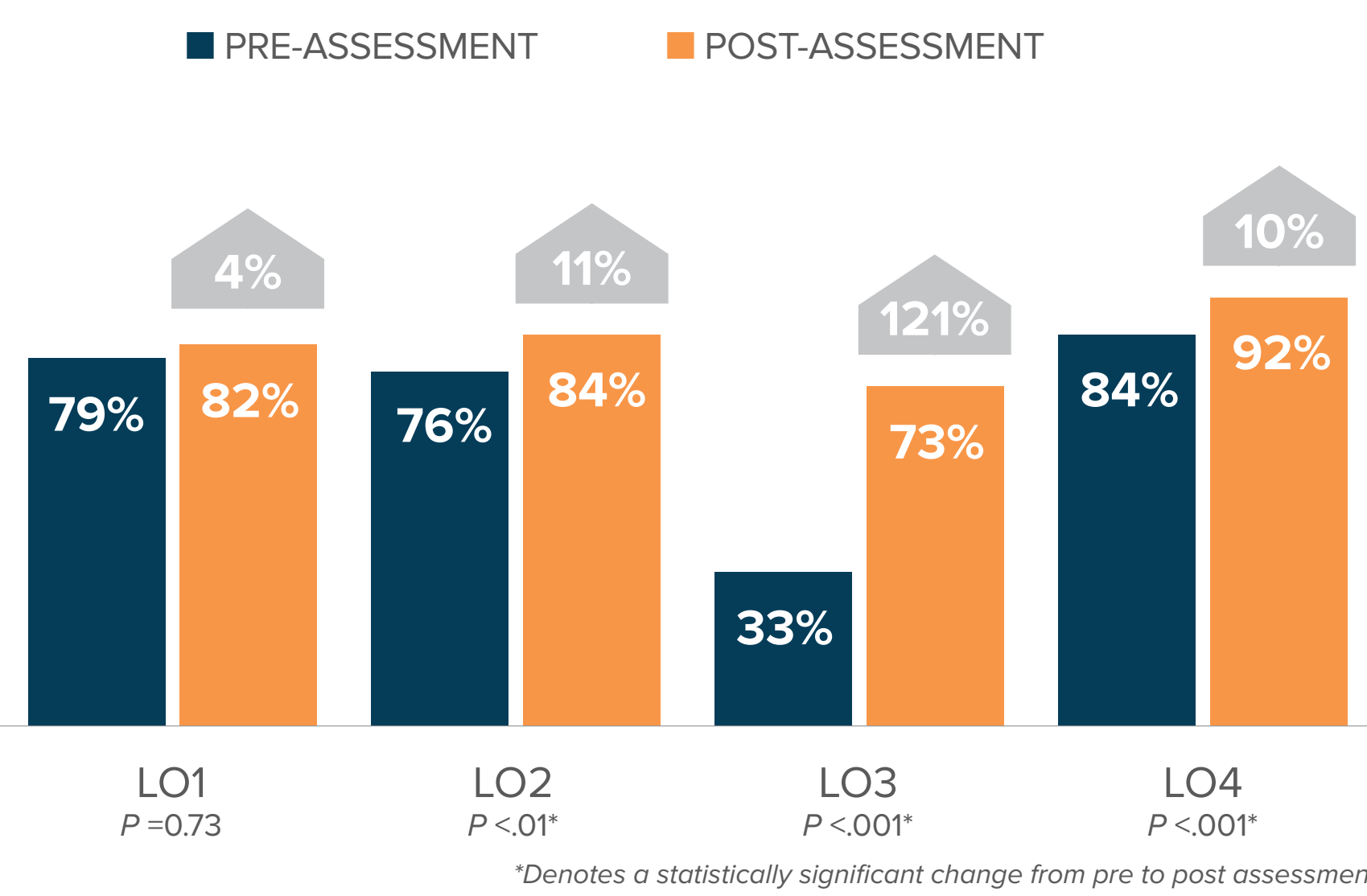
Proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitors have demonstrated substantial additional lowering of low-density lipoprotein cholesterol (LDL-C) when added to statin therapy, with a good safety profile.^{1,2} However, the use of these effective medications in eligible patients is suboptimal. Physicians who manage patients with recent cardiovascular (CV) events and underlying dyslipidemia are often not able to implement evidence-based lipid-lowering strategies into clinical care, due to both physician and patient-related barriers, leaving their patients at risk for CV events.³

The objective of this educational outcomes analysis was to determine the impact of online, case-based CME with video vignettes that facilitate decision-making and communication, on cardiologists' competence related to:

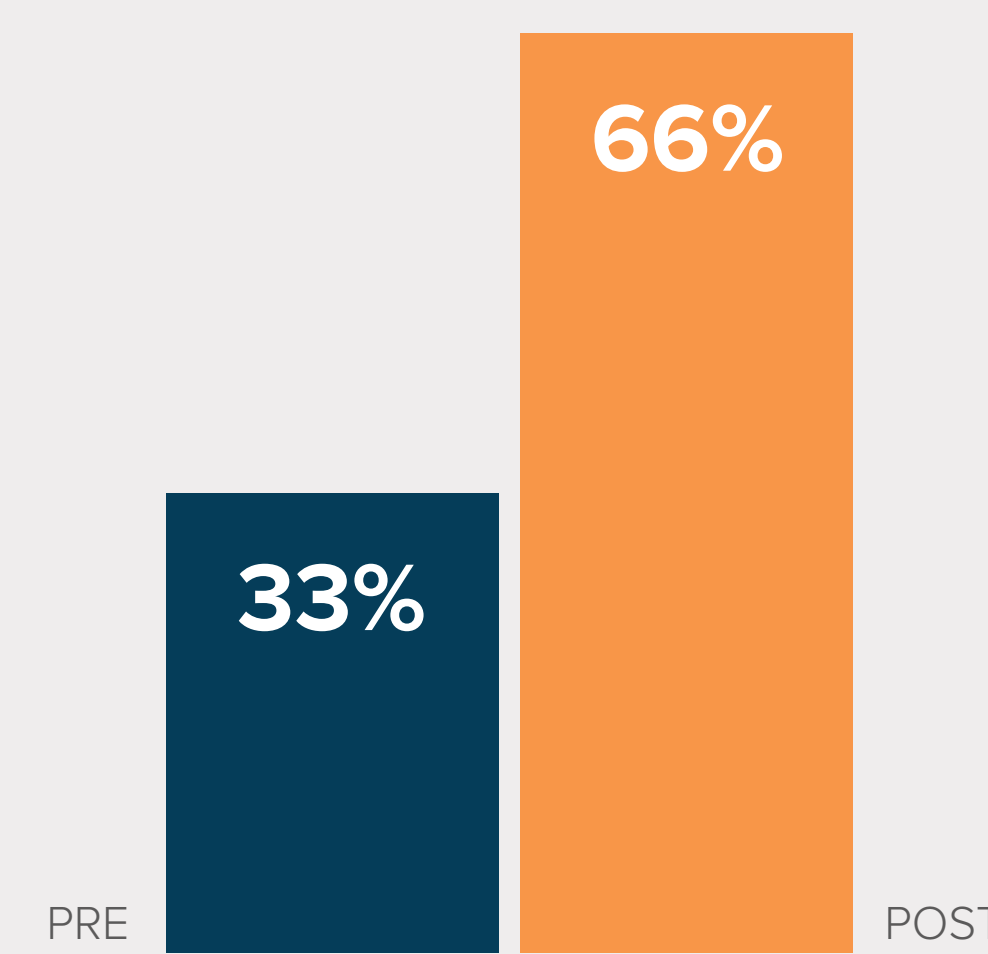
- Implementation of monitoring and follow up strategies to improve outcomes for patients on PCSK9 therapy
- Using effective strategies to overcome barriers to initiation of PCSK9 inhibitor therapy
- Patient identification for PCSK9 inhibitor therapy post-percutaneous coronary intervention (PCI)
- Tailoring lipid lowering therapy for patients with dyslipidemia post-PCI

RESULTS

% CORRECT PRE/POST RESPONSES TO ALL QUESTIONS



AVERAGE % OF CORRECT RESPONSES



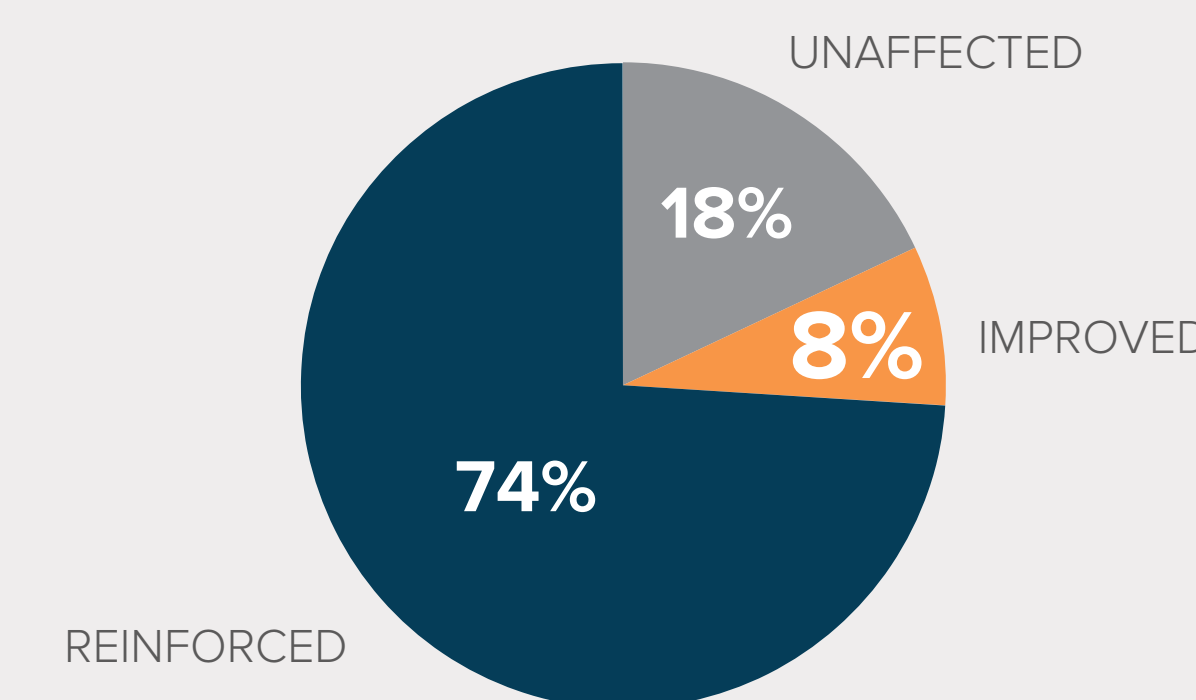
MCNEMAR'S CHI-SQUARE TEST

P <.001
SIGNIFICANCE (P <.05)

LO1 RESULTS

82% improved/reinforced competence related to implementation of monitoring and follow up strategies to improve outcomes for patients on PCSK9 inhibitor therapy

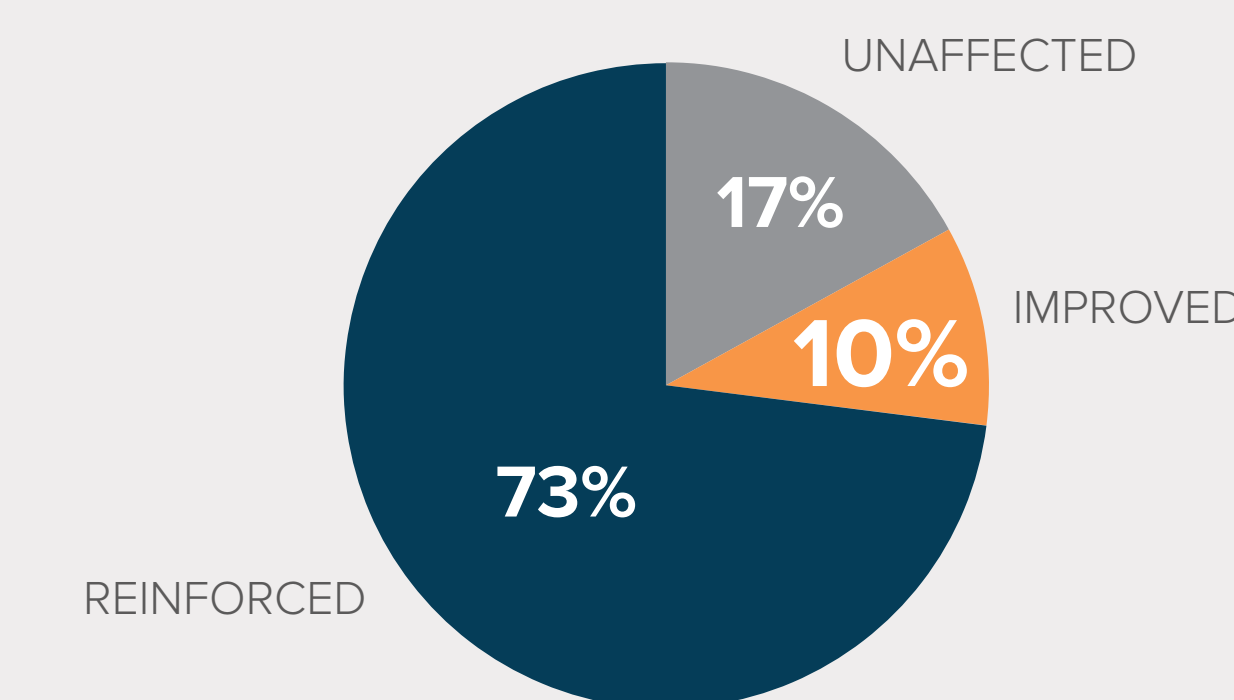
IMPLEMENTATION OF MONITORING AND FOLLOW UP STRATEGIES TO IMPROVE OUTCOMES FOR PATIENTS ON PCSK9 THERAPY (n=143)



LO2 RESULTS

83% improved/reinforced competence regarding using effective strategies to overcome barriers to initiation of PCSK9 inhibitor therapy.

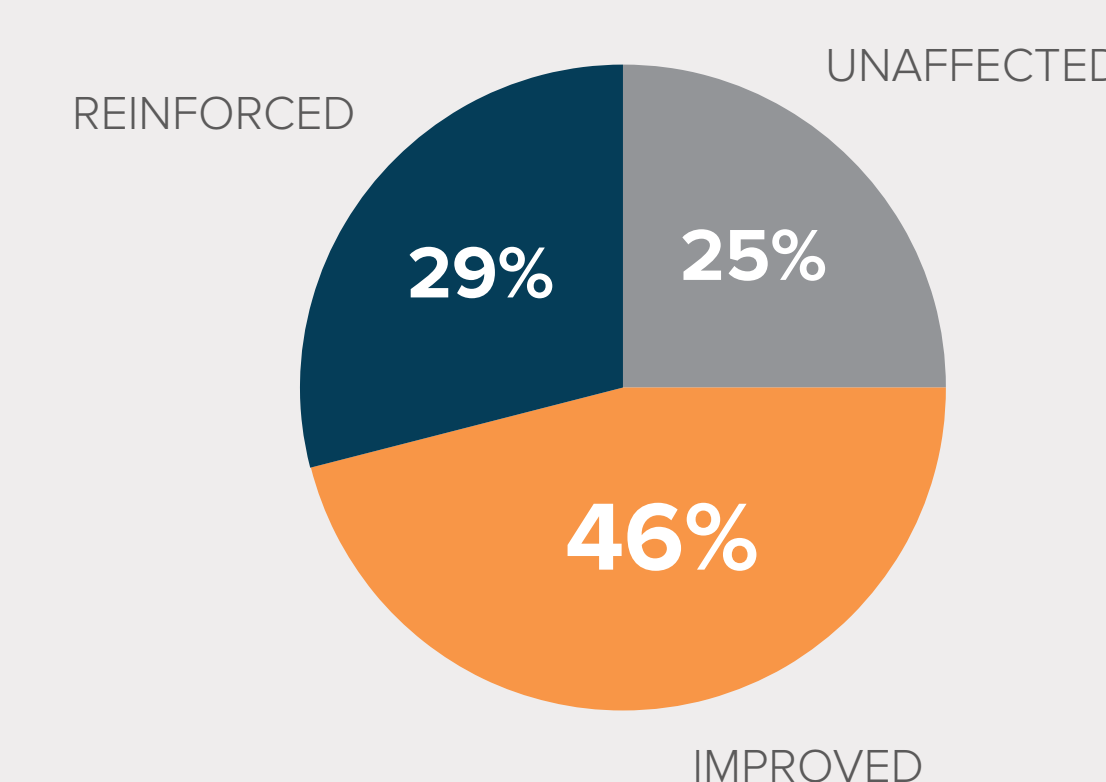
USING EFFECTIVE STRATEGIES TO OVERCOME BARRIERS TO INITIATION OF PCSK9 INHIBITOR THERAPY (n=143)



LO3 RESULTS

75% improved/reinforced competence related to patient identification for PCSK9 inhibitor therapy post-PCI.

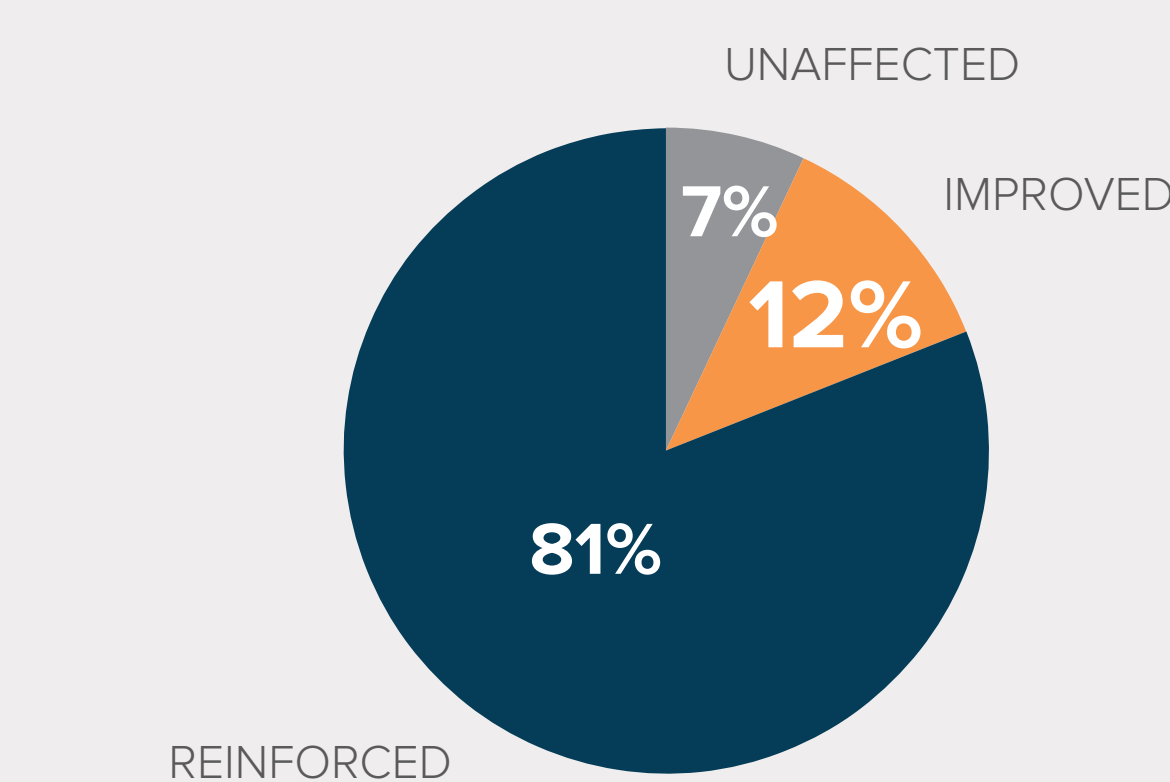
PATIENT IDENTIFICATION FOR PCSK9 INHIBITOR THERAPY POST-PCI (n=65)



LO4 RESULTS

93% improved/reinforced competence related to tailoring lipid lowering therapy for patients with dyslipidemia post PCI.

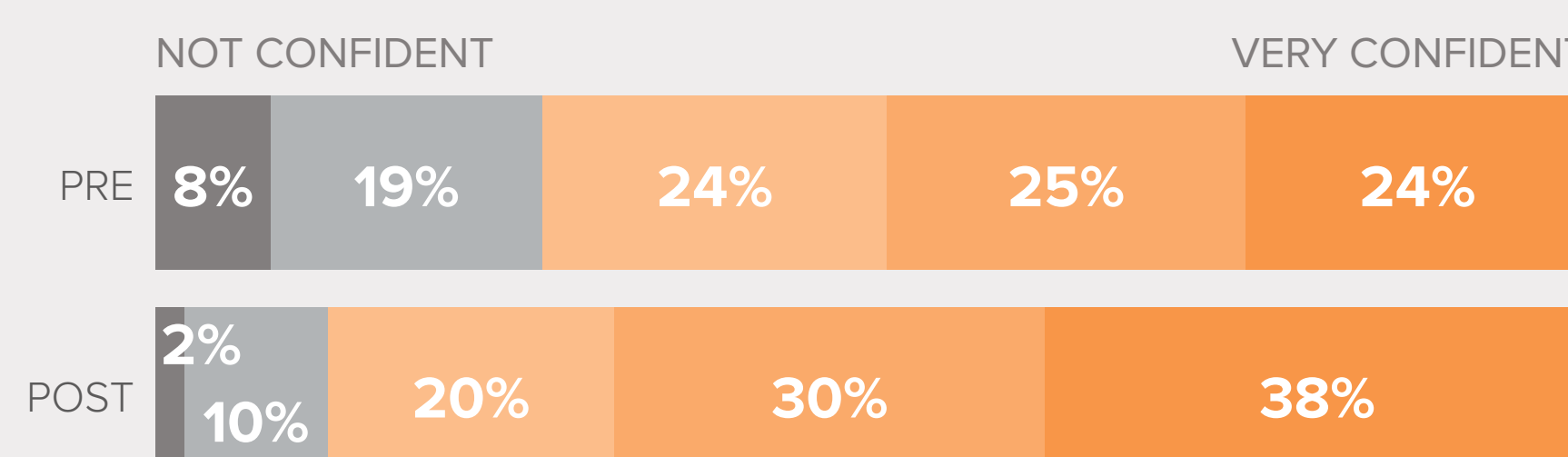
TAILORING LIPID LOWERING THERAPY FOR PATIENTS WITH DYSLIPIDEMIA POST PCI (N=65)



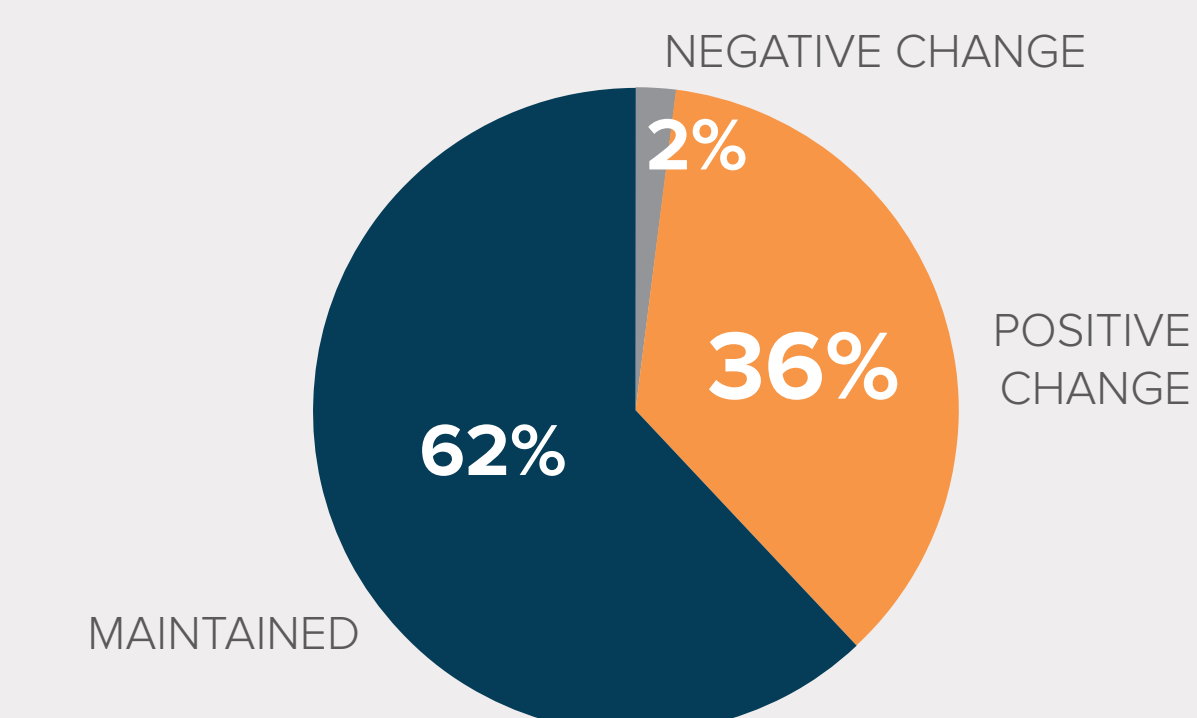
SELF-EFFICACY RESULTS

Greater confidence in own ability to identify patients for PCSK9 therapy and understanding overcoming barriers.

HOW CONFIDENT ARE YOU ABOUT IDENTIFYING A PATIENT FOR WHOM PCSK9 INHIBITOR IS INDICATED AND UNDERSTANDING OVERCOMING BARRIERS, FOR PCSK9 APPROVAL IN PATIENTS? (n=208)

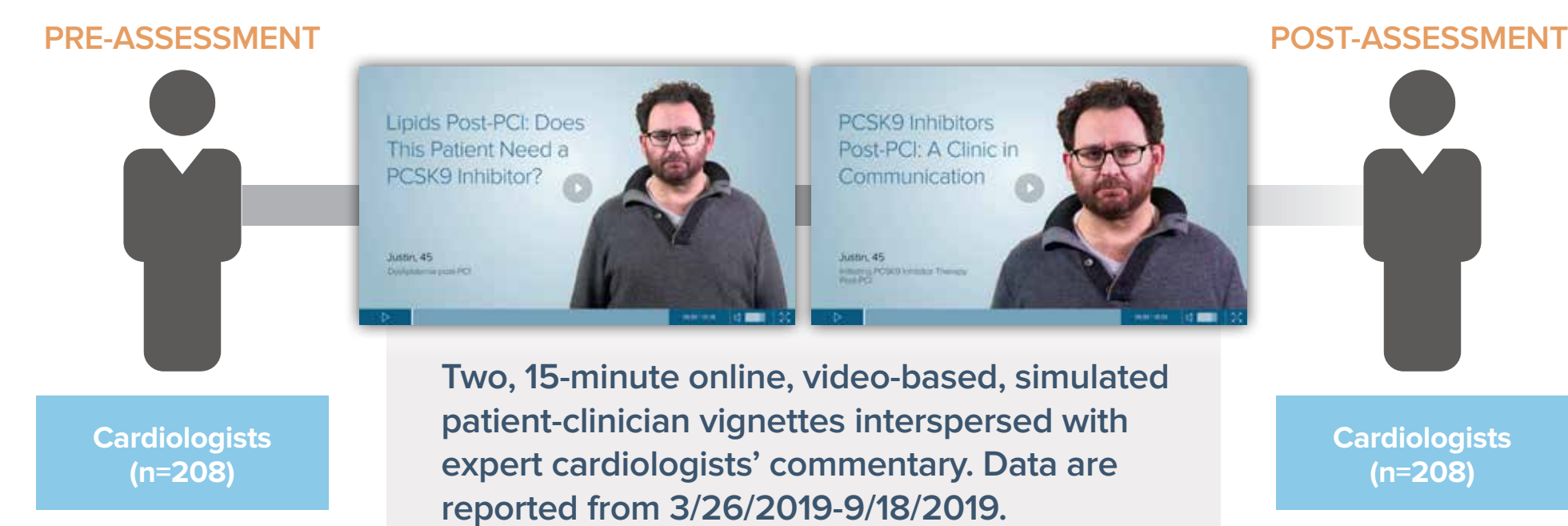


LINKED LEARNING RESULTS

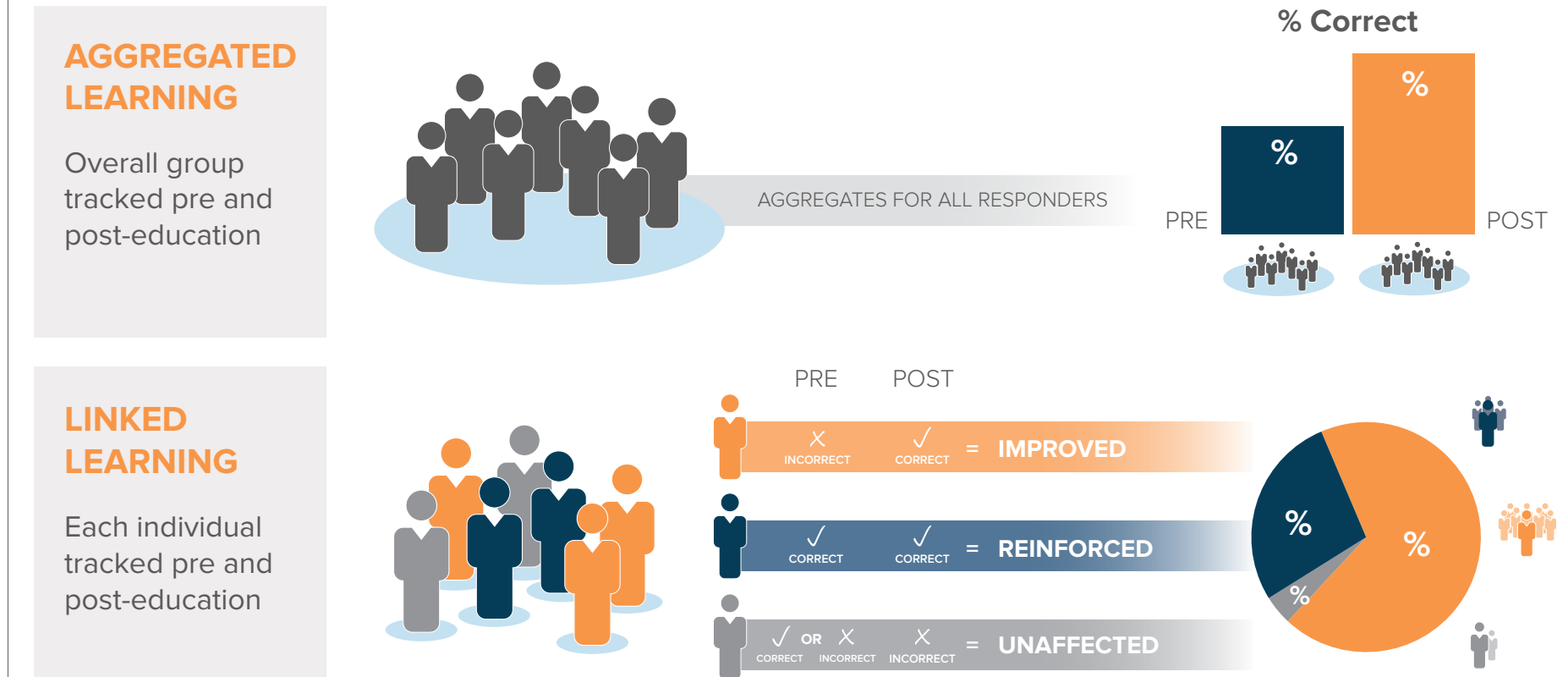


METHODS

The educational effects were assessed using a repeated pairs pre-assessment/post-assessment study design, where individual participants served as his/her own control. McNemar's tests, P <.05, determined statistical significance. Learners who improved (answered ≥1 questions correctly pre-education than post) or were reinforced (answered equivalent number of questions correctly before and after education) were identified. Data are reported from March 26, 2019 to September 18, 2019.



TWO ANALYSES OF THE PRE/POST SAMPLE



CONCLUSION

- This study demonstrated the effectiveness of online patient-clinician vignettes interspersed with expert commentary, which is in line with a Medscape study that showed 81% of EU doctors have a preference to learn with patient cases⁴
- This format provided both opportunities for reinforcement and improvement on clinical decisions of the cardiologists
- 27% of cardiologists still need information on patient identification for PCSK9 inhibitor therapy post-PCI, warranting a need for further education within this area

ACKNOWLEDGEMENTS

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For more information, please contact: Sukhbir Bahra, MSc. at sbahra@medscape.net

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