

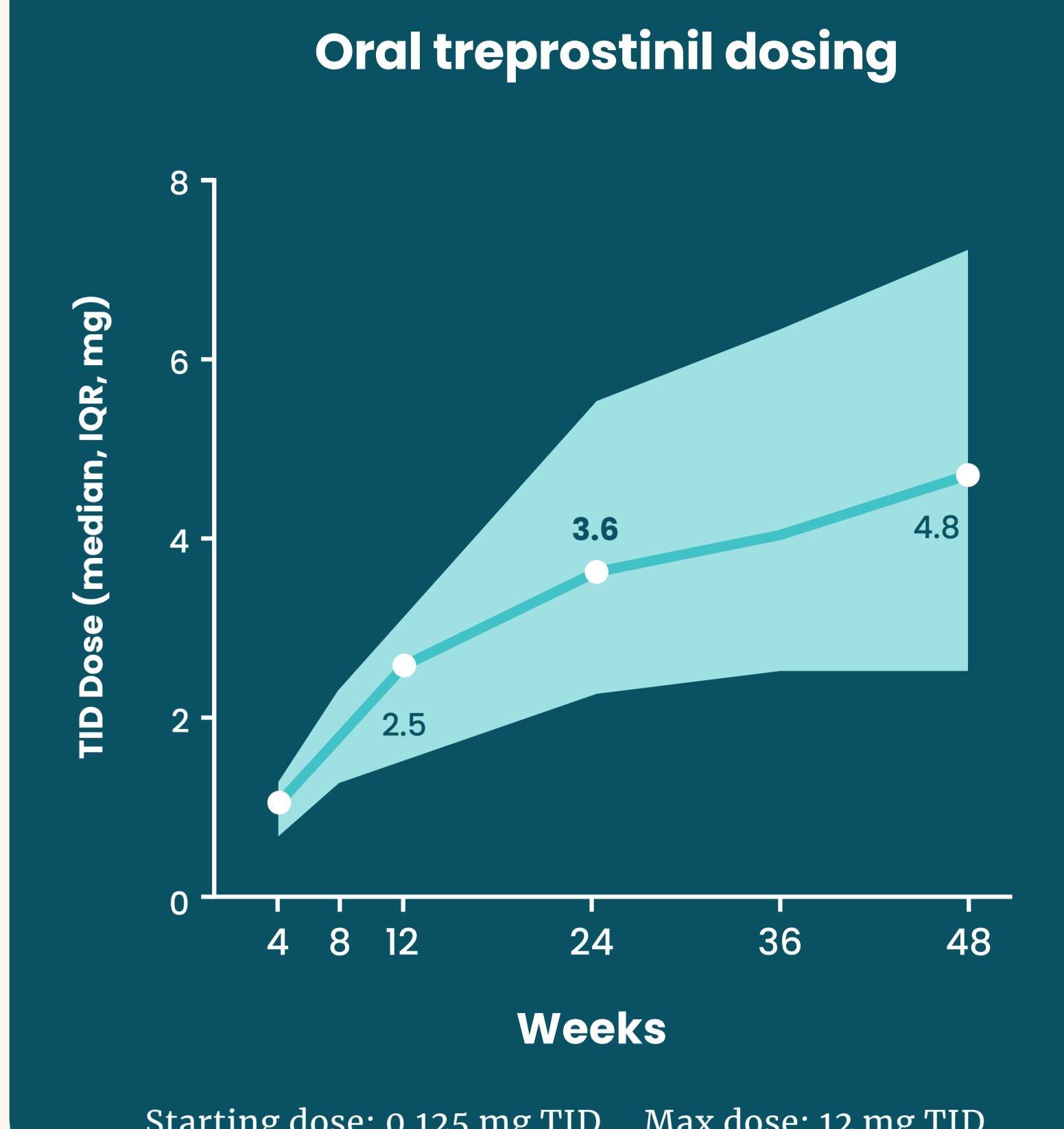
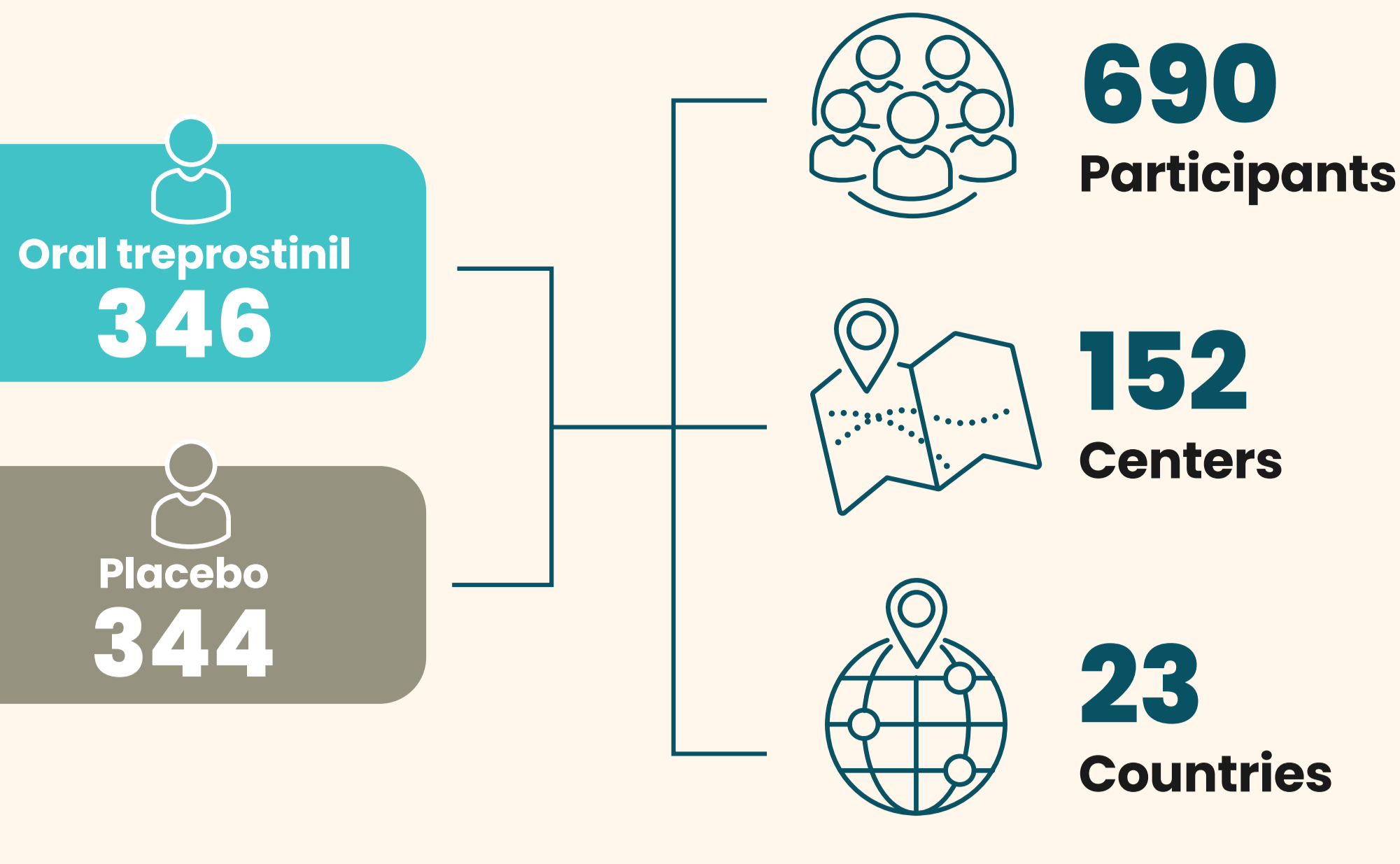
FREEDOM-EV: Combination Therapy with Oral Treprostinil for Pulmonary Arterial Hypertension (PAH)

Phase III, international, randomized, placebo-controlled, double-blind, event-driven study

Study Overview

To assess the ability of oral treprostinil to delay clinical worsening for people living with PAH

Participants with PAH on background monotherapy receiving oral treprostinil or placebo (1:1)



Baseline Characteristics

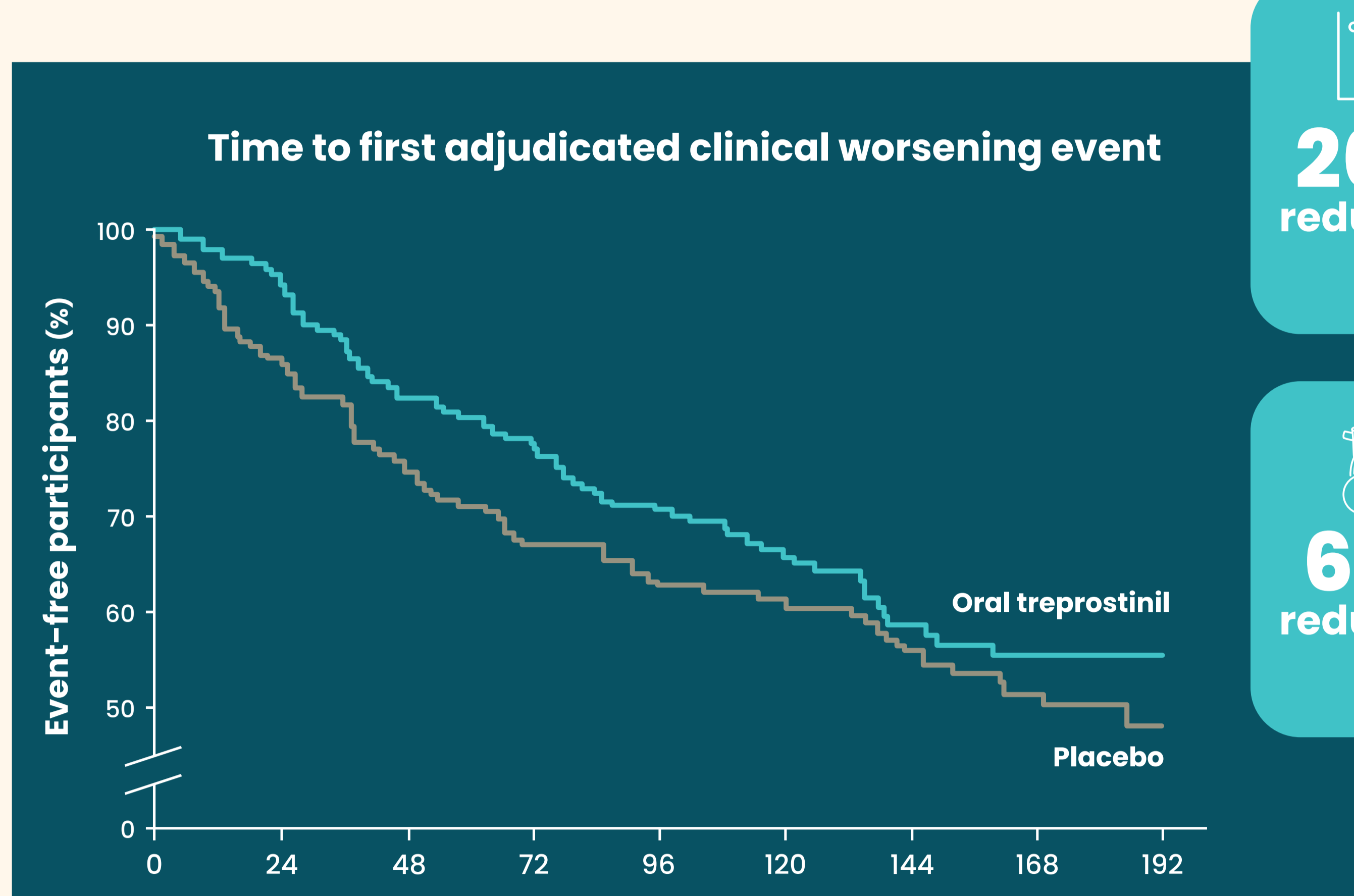


Results

Primary Endpoint

Risk of clinical worsening is reduced with oral treprostinil compared to placebo

COMPARED TO PLACEBO



26% reduction in risk of clinical worsening with oral treprostinil
HR 0.74 (95% CI, 0.56–0.97); p = 0.028

61% reduction in incidence of disease progression with oral treprostinil
HR 0.39 (95% CI, 0.23–0.66); p < 0.001

Risk-adjusted clinical worsening*

After adjusting for baseline risk profile, risk of clinical worsening for oral treprostinil vs. placebo

39% reduction

HR 0.61 (95% CI, 0.46–0.81); p < 0.001

Clinical worsening events



Secondary Endpoints

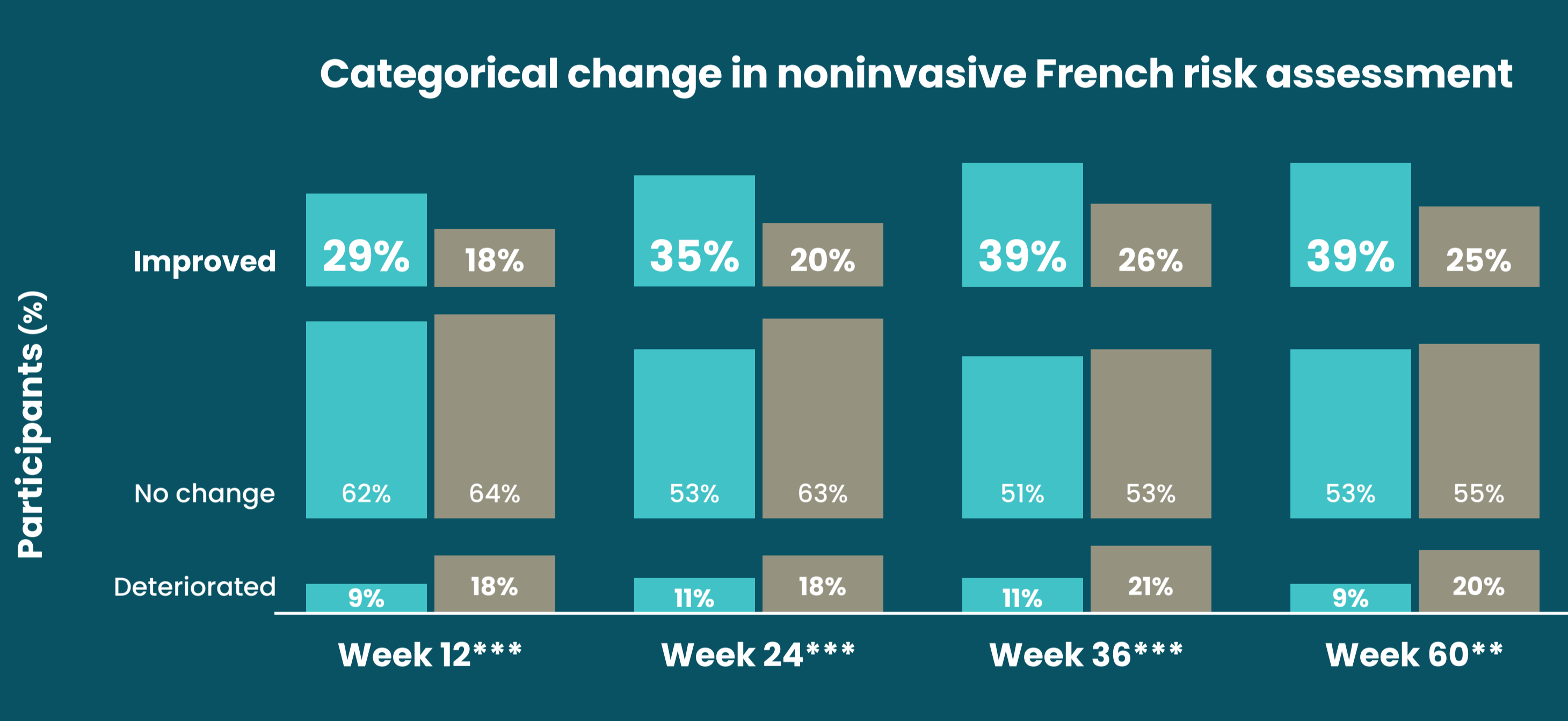
Risk Assessment



Noninvasive French low risk assessment criteria

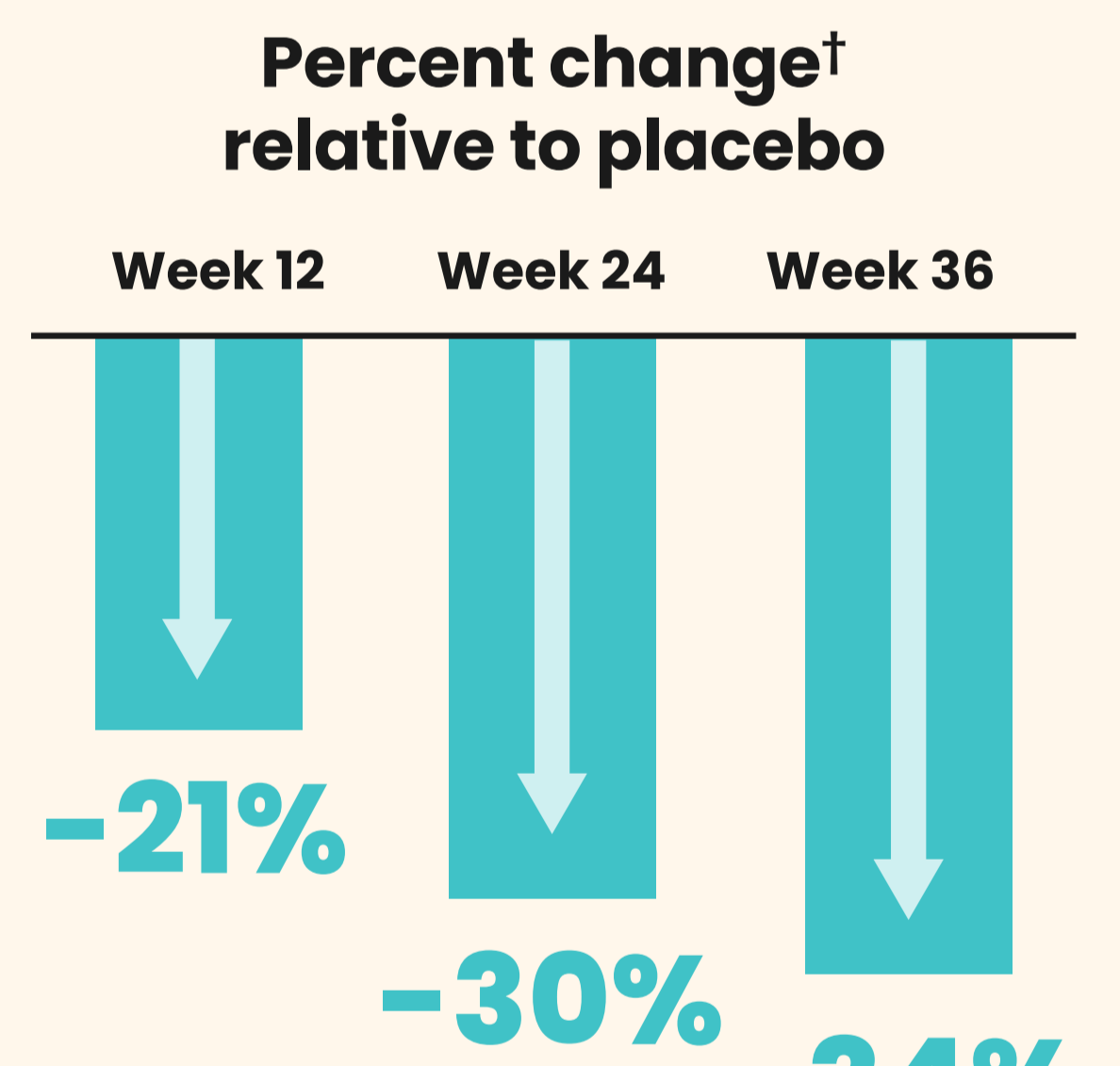
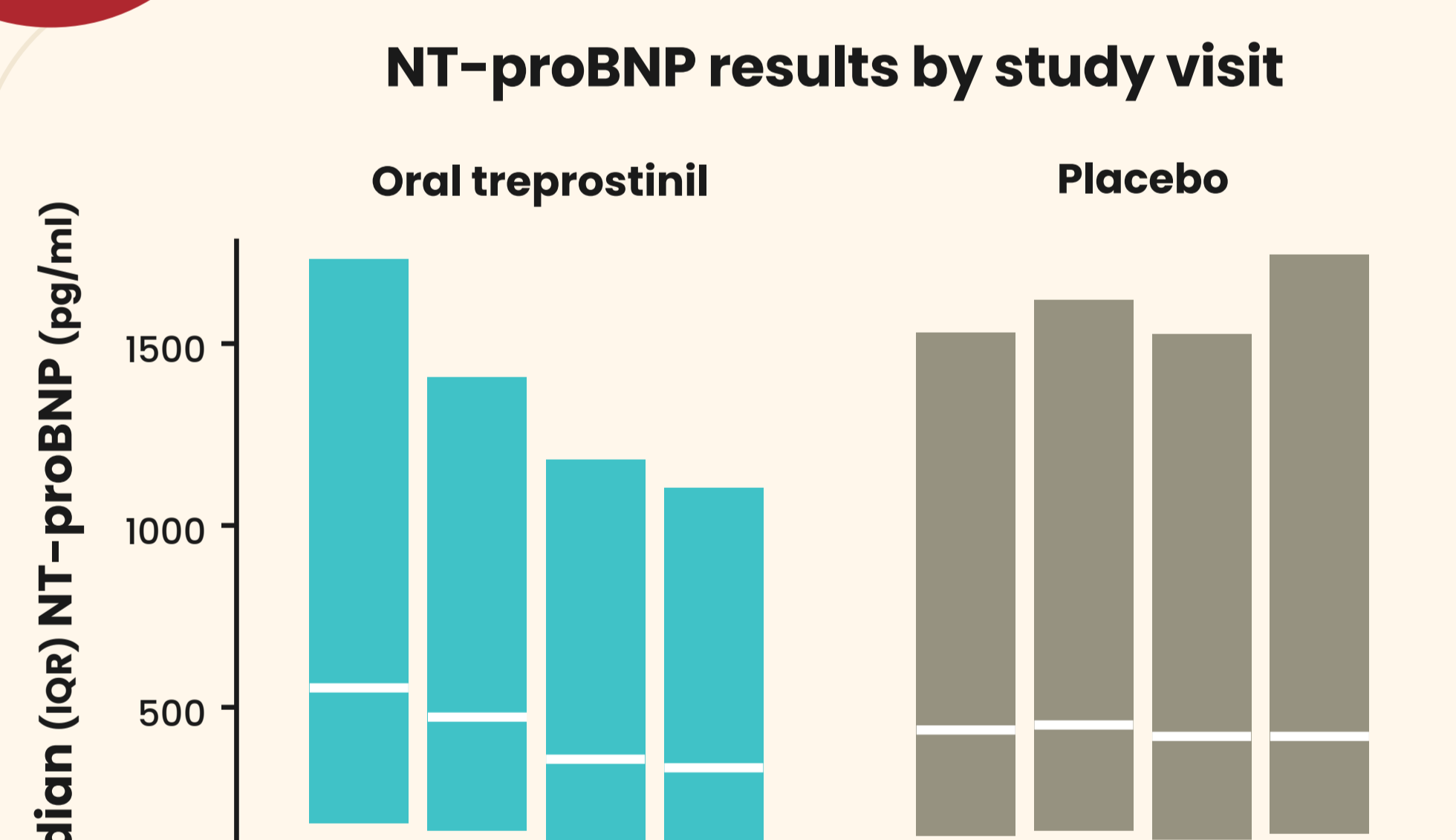


Improvement in risk category more likely for participants in the oral treprostinil group



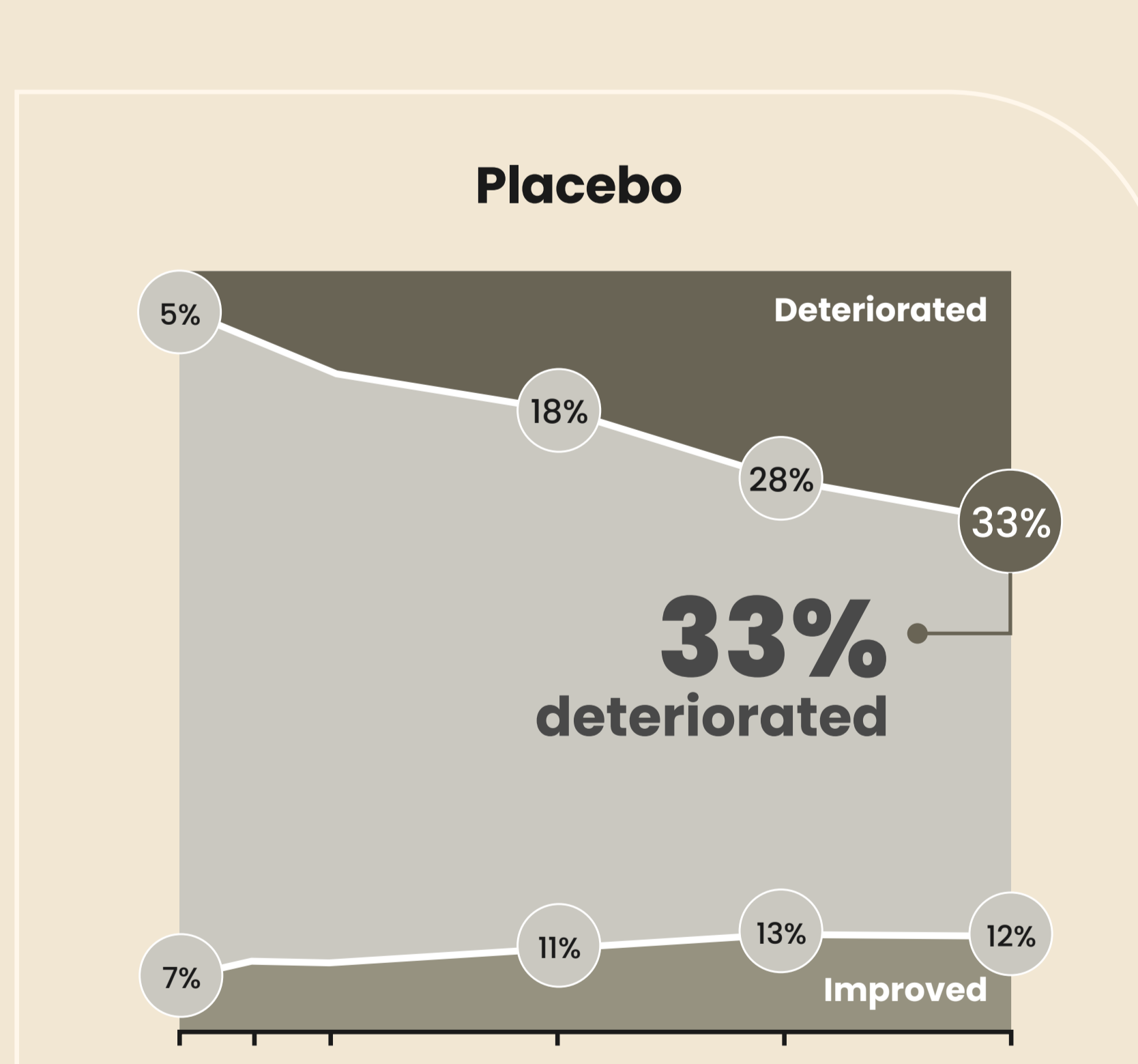
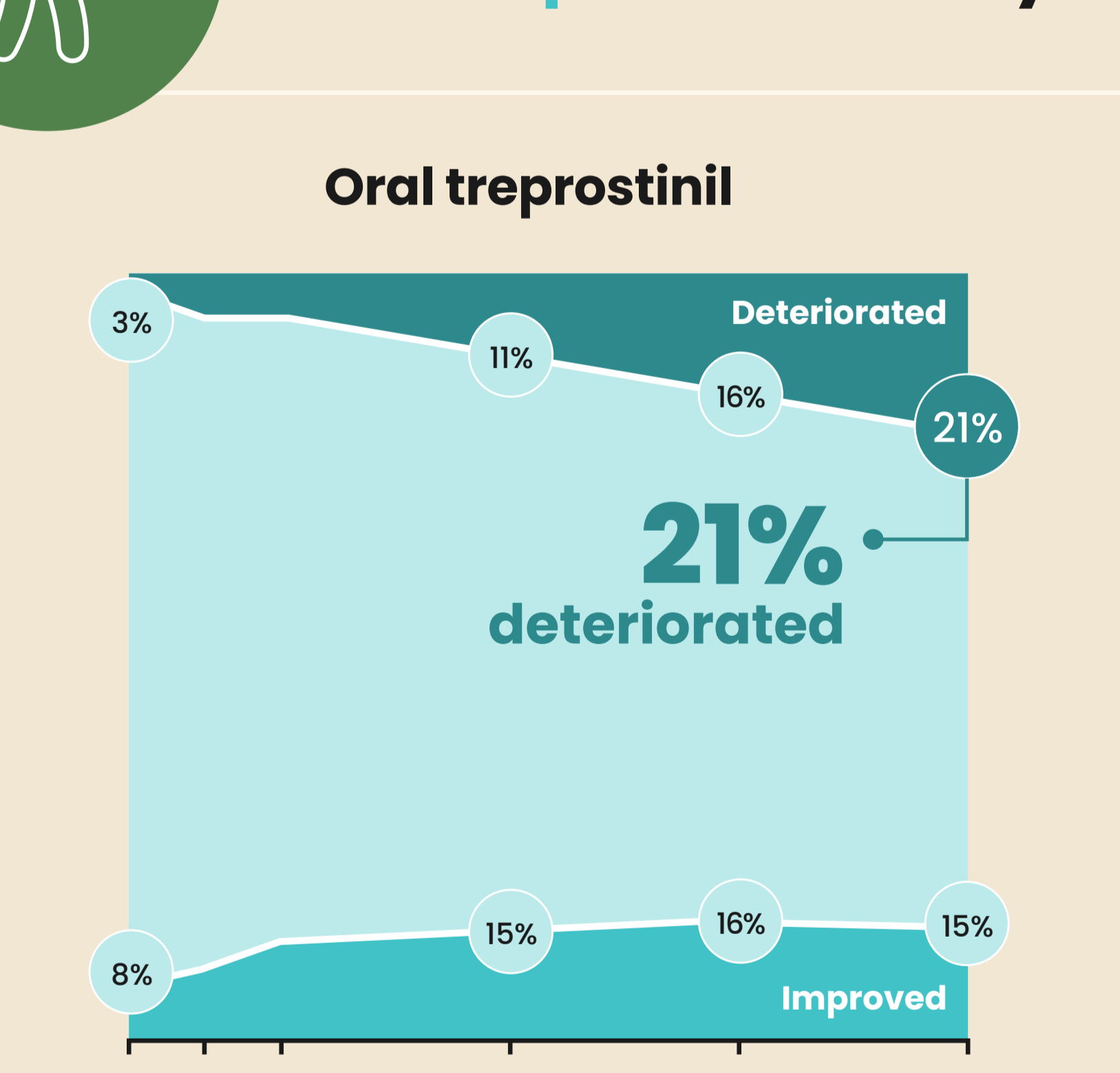
NT-proBNP levels significantly decreased in the oral treprostinil group

NT-proBNP



Oral treprostinil delayed deterioration in WHO FC

WHO FC



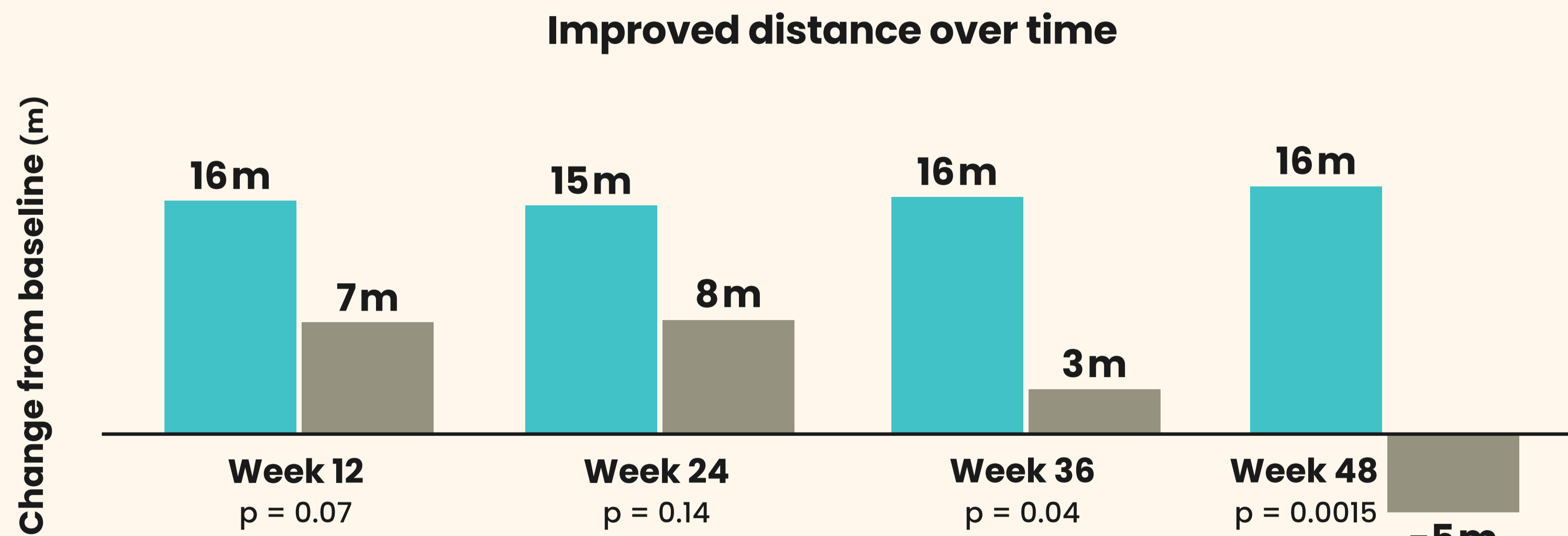
w12: p < 0.001 w24: p = 0.017 w36: p = 0.002 w48: p = 0.003
Data collected at discrete time points indicated on the x-axis

6MWD significantly improved with oral treprostinil at weeks 36 and 48

6MWD

(Change in 6MWD was not statistically significant at week 24)

Improved distance over time



Borg dyspnea scores after the 6MWT, improved in 36–38% of oral treprostinil participants

Borg Dyspnea

The safety profile in FREEDOM-EV was consistent with previous studies of oral treprostinil and known prostacyclin-related adverse events



Conclusion

In participants with PAH, the addition of oral treprostinil to background monotherapy can lower the risk of clinical worsening while improving key indicators of disease status

6MWD, 6-minute walk distance; 6MWT, 6-minute walk test; CI, confidence interval; LS, least squares; NT-proBNP, N-terminal pro-brain natriuretic peptide; OLE, open label extension; PAH, pulmonary arterial hypertension; PBO, placebo; TID, three times a day; WHO FC, World Health Organization functional class

