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**Pegozafermin Phase 2b (ENLIVEN)  
Topline Results in Nonalcoholic  
Steatohepatitis (NASH)**

Nasdaq: ETNB

Powerful Science  
Meaningful Medicines  
Changing Lives

# Disclaimer



## Cautionary Note Regarding Forward-Looking Statements

This presentation contains “forward-looking statements” within the meaning of the federal securities laws, which statements are subject to substantial risks and uncertainties and are based on estimates and assumptions. Other than statements of historical facts, all statements included in this presentation are forward-looking statements, including statements concerning our plans, objectives, goals, strategies, future events, or intentions relating to product candidates, potential market opportunities, patient acceptance of pegozafermin, estimates of market size, the potential clinical benefit, effect on the histology and safety and tolerability profile of pegozafermin (formerly BIO89-100), the clinical potential of pegozafermin, potential indications for pegozafermin, the anticipated dosing regimen for pegozafermin, if approved, the timing of regulatory meetings or discussions, the timing and likelihood of success, plans and objectives of management for future operations and future results of anticipated product development efforts and our liquidity and capital resources. In some cases, you can identify forward-looking statements by terms such as “may,” “might,” “will,” “objective,” “intend,” “should,” “could,” “can,” “would,” “expect,” “believe,” “design,” “estimate,” “predict,” “potential,” “plan” or the negative of these terms, and similar expressions intended to identify forward-looking statements. These statements involve known and unknown risks, uncertainties and other factors that could cause our actual results to differ materially from the forward-looking statements expressed or implied in this presentation including those described more fully our most recent Form 10-K under the caption “Risk Factors” and elsewhere in such report and in other subsequent disclosure documents filed with the U.S. Securities and Exchange Commission.

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# Pegozafermin – A Potentially Differentiated and Foundational NASH Drug

The logo for ENliven, featuring the word 'ENliven' in a sans-serif font. The 'E' and 'N' are in grey, and 'liven' is in blue. A small yellow dot is positioned above the 'i'.A curved line with four blue circles, each connected to a text block by a dotted line.

## Statistically Significant Results on Fibrosis Improvement and NASH Resolution

- Fibrosis improvement – 3.5x and NASH resolution – 12-14x placebo rate

## Significant Results with Weekly and Every-Two-Week Dosing on Both Endpoints

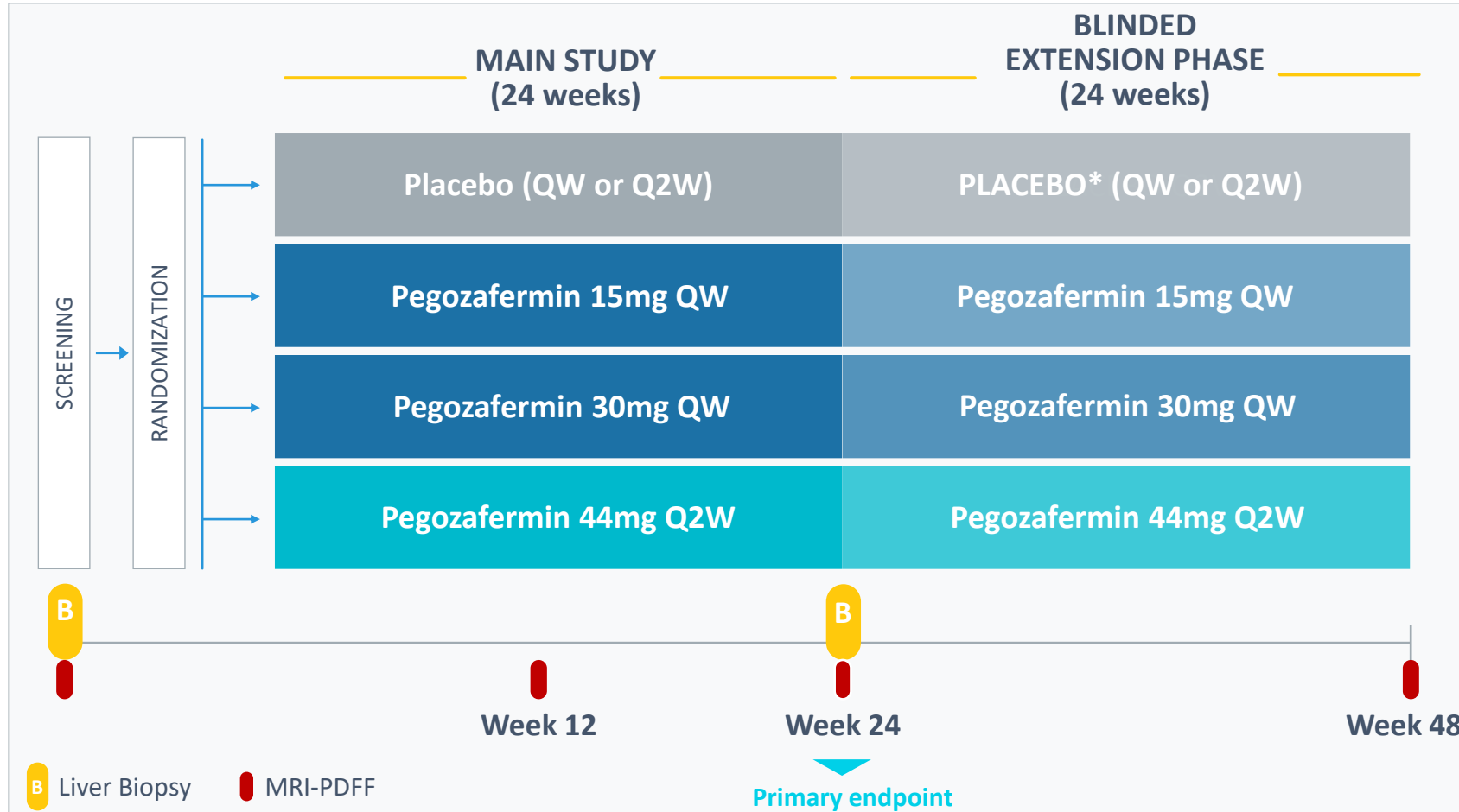
- Only drug in the category pursuing this optionality

## Favorable Safety and Tolerability Profile

## Rigorous Trial Increases Our Confidence in Phase 3

- FDA guidance on endpoints and analysis; Rigorous biopsy reading methods; Large study

# ENLIVEN Trial Design



## PRIMARY ANALYSIS POPULATION

- F2-F3 NASH; NAS  $\geq 4$

## PRIMARY ENDPOINTS

- $\geq 1$ -stage fibrosis improvement with no worsening of NASH<sup>1</sup>
- NASH resolution with no worsening of fibrosis<sup>2</sup>

## KEY SECONDARY EFFICACY ENDPOINTS

- $\geq 2$ -point change in NAS with no worsening of fibrosis
- Non-invasive liver markers (liver fat, liver injury, fibrosis markers)

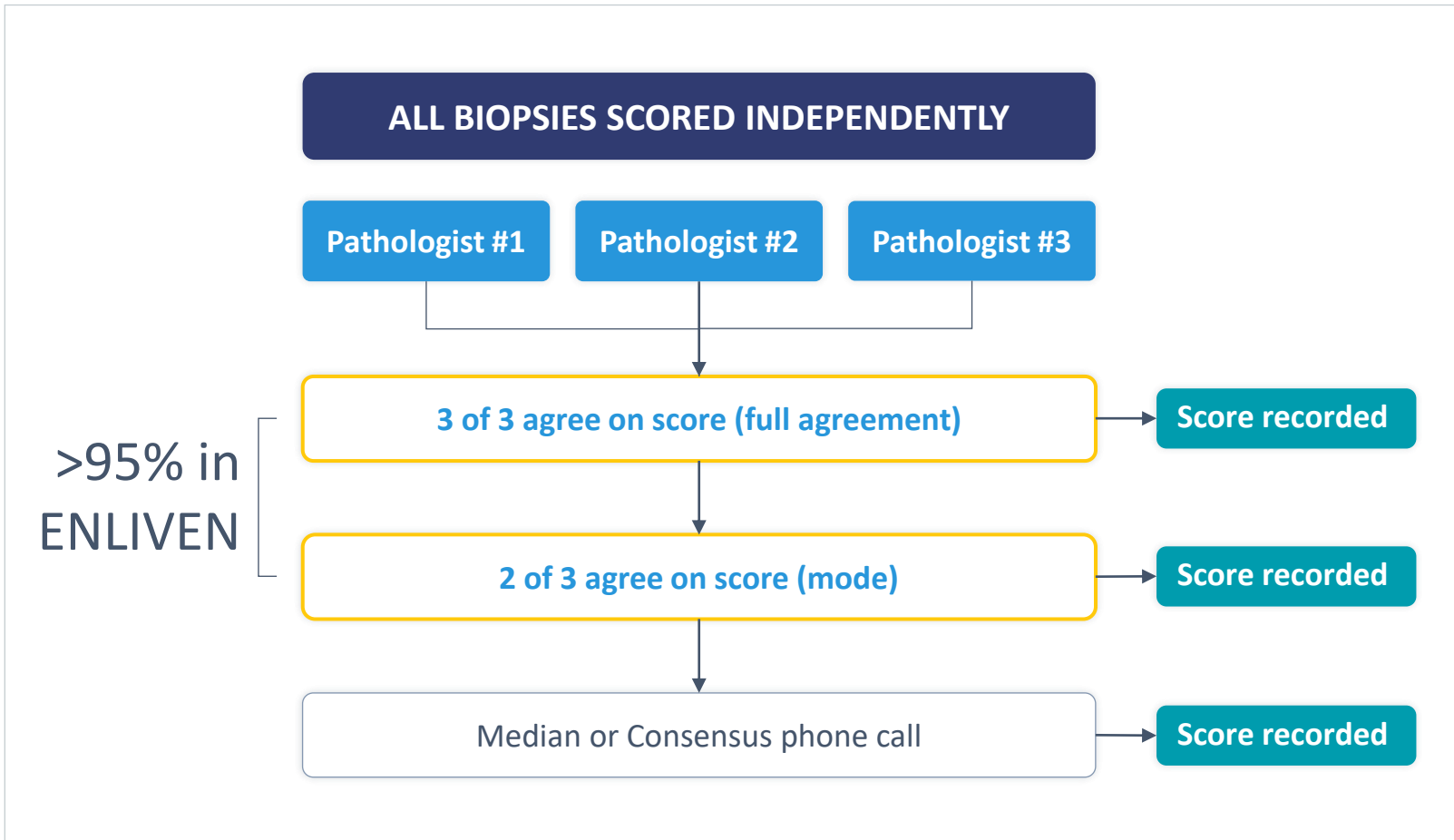
<sup>1</sup> Improvement in liver fibrosis by  $\geq 1$  stage and no worsening of steatohepatitis defined as no increase in NAS for ballooning, inflammation, or steatosis (FDA draft guidance).

<sup>2</sup> Resolution of steatohepatitis is defined as absent fatty liver disease or isolated or simple steatosis without steatohepatitis and a NAS score of 0-1 for inflammation, 0 for ballooning and any value for steatosis (FDA draft guidance).

\*Some placebo patients were re-randomized in the extension phase to receive pegzofermin.

NAS, NAFLD Activity Score; MRI-PDFF, Magnetic resonance imaging-estimated proton density fat fraction; QW: Every week; Q2W: Every 2 weeks

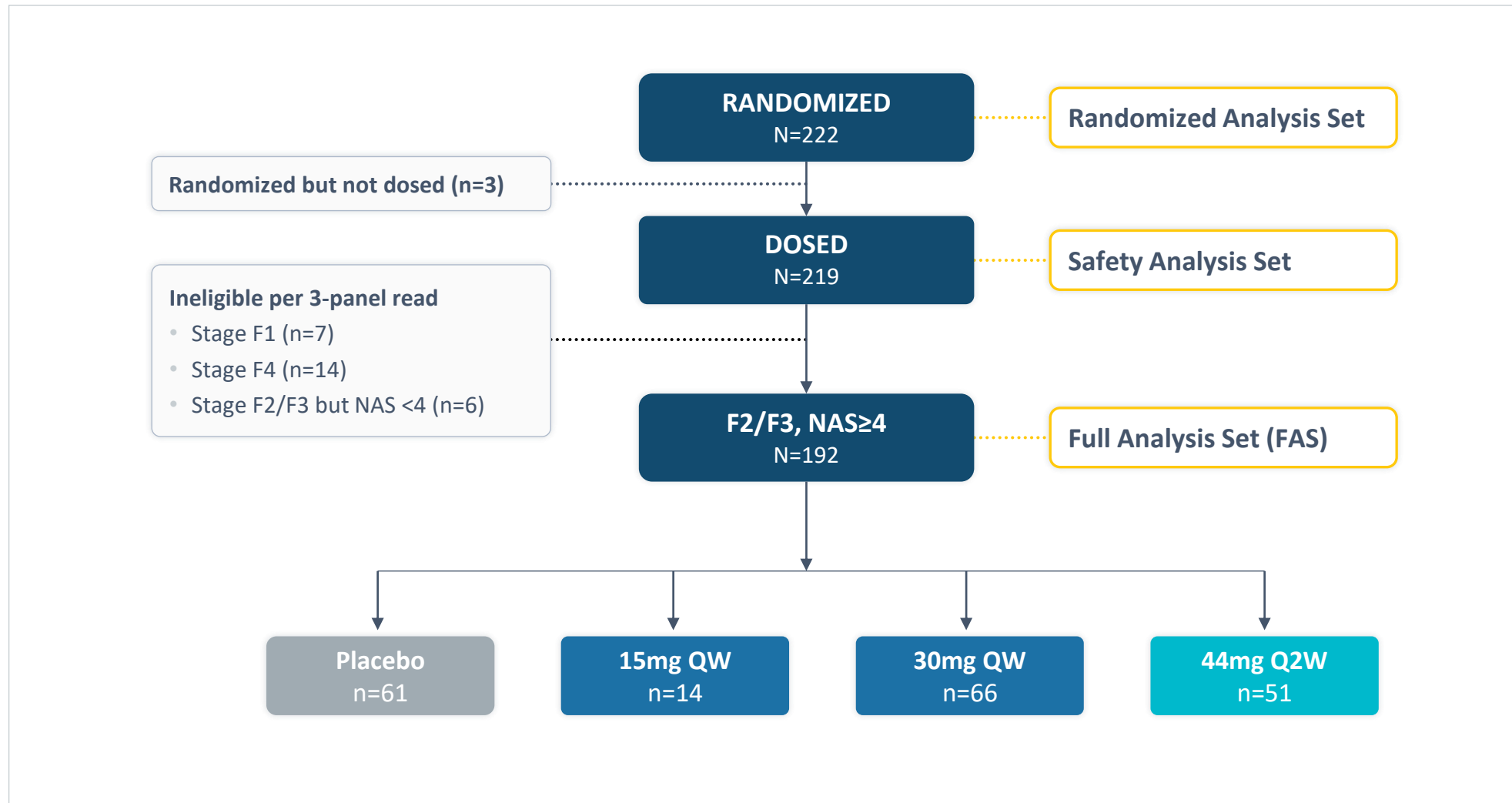
# Rigorous Biopsy Reading Method Designed to Identify Drug Effect



- All biopsies scored independently by three pathologists (on 4 components of NASH-CRN criteria)
- Pathologists underwent protocol-specific harmonization training before and during trial
- Pathologists were blinded to subject, treatment and sequence

▶ **Designed to reduce impact of individual reader bias and inter-reader variability**

# Patient Disposition and Analysis Sets

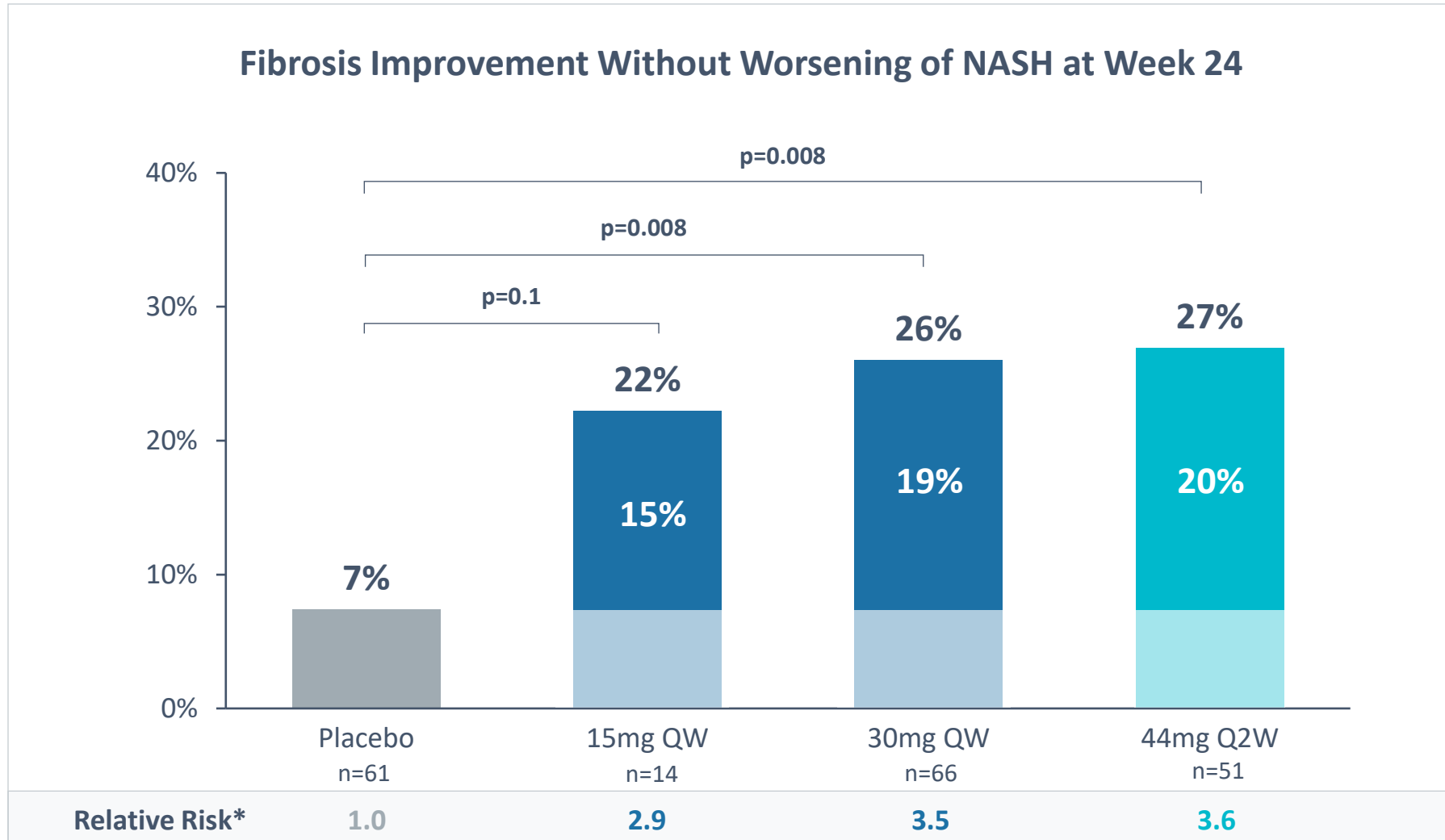


# Baseline Characteristics Well Balanced Across Dose Groups



Parameter Mean or %	Placebo (n=71)	15mg QW (n=21)	30mg QW (n=73)	44mg Q2W (n=57)	Total (n=222)
Age (years)	56	55	55	55	56
Female	55%	43%	69%	65%	61%
BMI (kg/m <sup>2</sup> )	38	38	35	36	37
Type 2 Diabetes	69%	86%	62%	61%	66%
Fibrosis Stage (% F3)	66%	43%	64%	53%	60%
NAFLD Activity Score	5.0	4.8	5.3	5.2	5.1
Liver Fat Content (MRI-PDFF)	16.7%	15.8%	16.7%	15.8%	16.4%
Liver Stiffness (VCTE, kPa)	14.1	11.2	12.5	13.2	13.0
PRO-C3 (ng/mL)	50	62	54	52	53
ALT (U/L)	50	61	60	56	56
AST (U/L)	41	48	47	42	44
HbA1c, overall population (%)	6.6	7.0	6.6	6.7	6.7
Triglycerides (mg/dL)	170	186	175	165	172

# Pegozafermin Demonstrated Statistical Significance on Fibrosis Improvement with Weekly and Every-Two-Week Dosing



Relative risk is calculated by dividing drug response by placebo response



# Pre-Specified Additional Analyses Confirm Robustness of Primary Efficacy Results



## Fibrosis Improvement Without Worsening of NASH at Week 24

	30mg QW	44mg Q2W
<b>Completer Analysis Set (n=164)</b>		
Effect Size (placebo-adjusted)	19%	20%
p-value	0.009	0.008
<b>Intent-to-treat (ITT; missing data = non-responder); (n=192)</b>		
Effect Size (placebo-adjusted)	15%	16%
p-value	0.019	0.015

# Clinical Data in Pre-Cirrhotic Patients

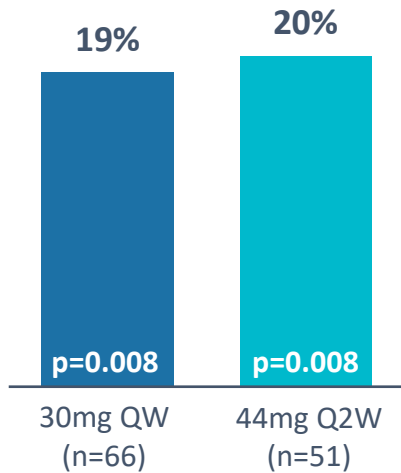
≥1 Stage Fibrosis Improvement with No Worsening of NASH (placebo-adjusted)



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Pegozafermin  
Phase 2b | 24 weeks  
Multiple Imputation<sup>1</sup>

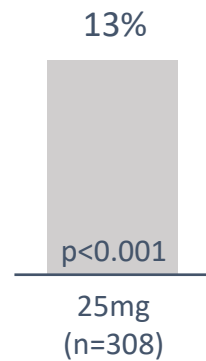
3.5 3.6



Intercept

Ocaliva  
Phase 3 | 72 weeks

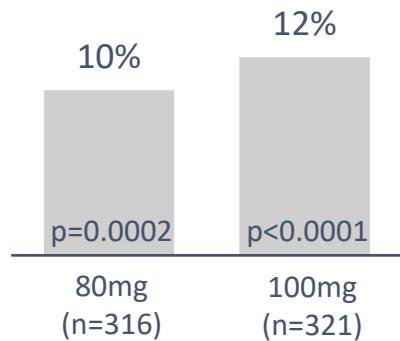
2.3



Madrigal  
Pharmaceuticals

Resmetirom<sup>2</sup>  
Phase 3 | 52 weeks

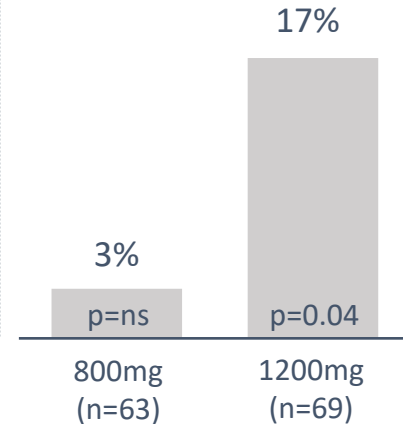
1.7 1.9



inventiva

Lanifibranor  
Phase 2b | 24 weeks

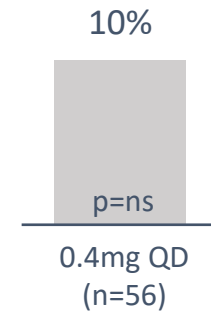
1.1 1.6



novo nordisk

Semaglutide  
Phase 2 | 72 weeks

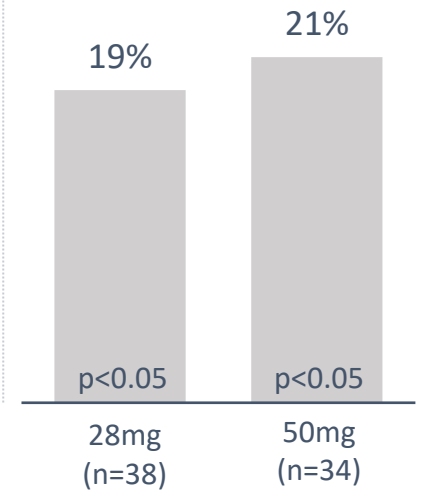
1.3



akero

Efruxifermin  
Phase 2b | 24 weeks  
Completers Analysis

2.0 2.0

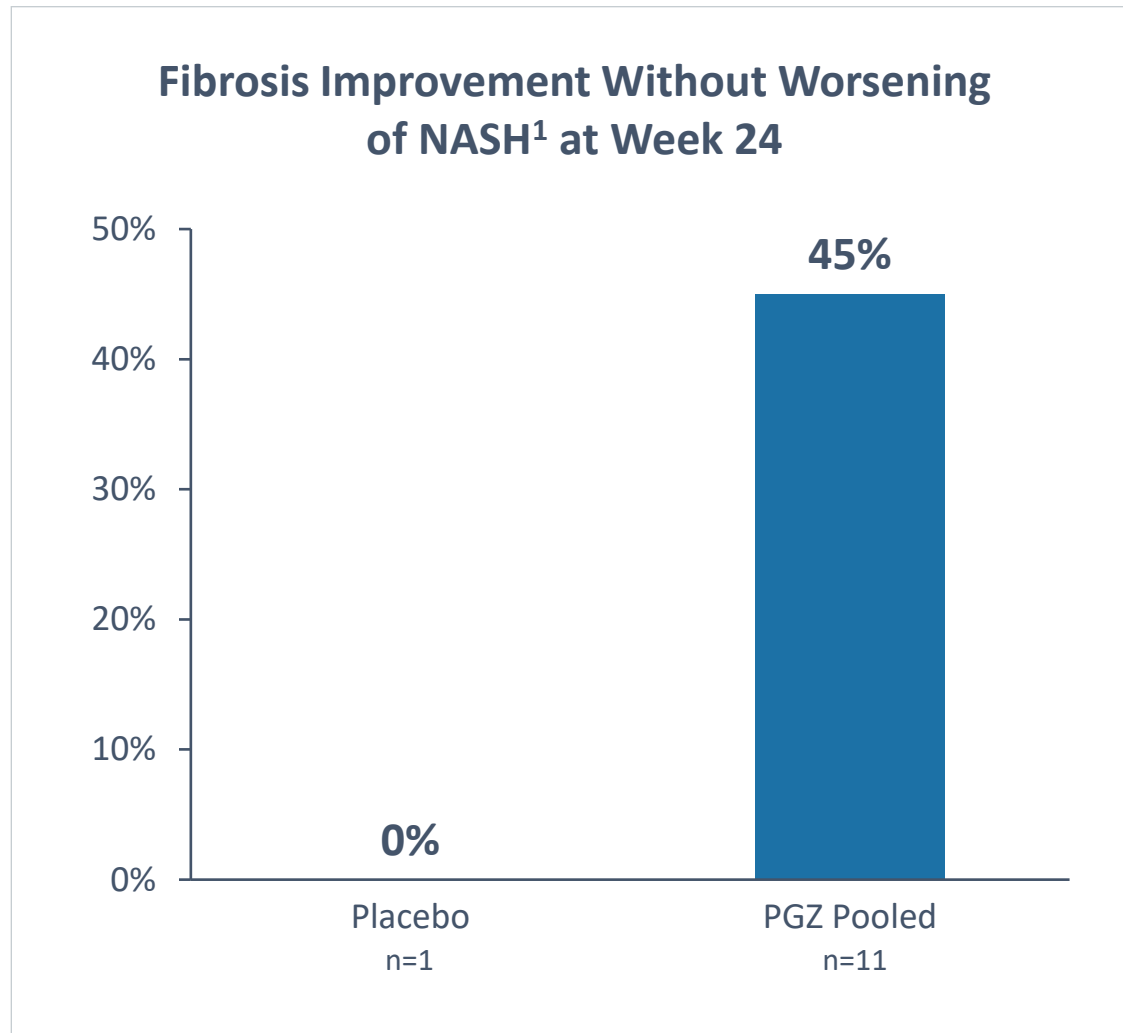


\*Drug response as multiple of placebo response is calculated by dividing drug response by placebo response

<sup>1</sup> Results same for Completer Analysis Set

<sup>2</sup> ≥1 stage fibrosis improvement with no worsening of NAS

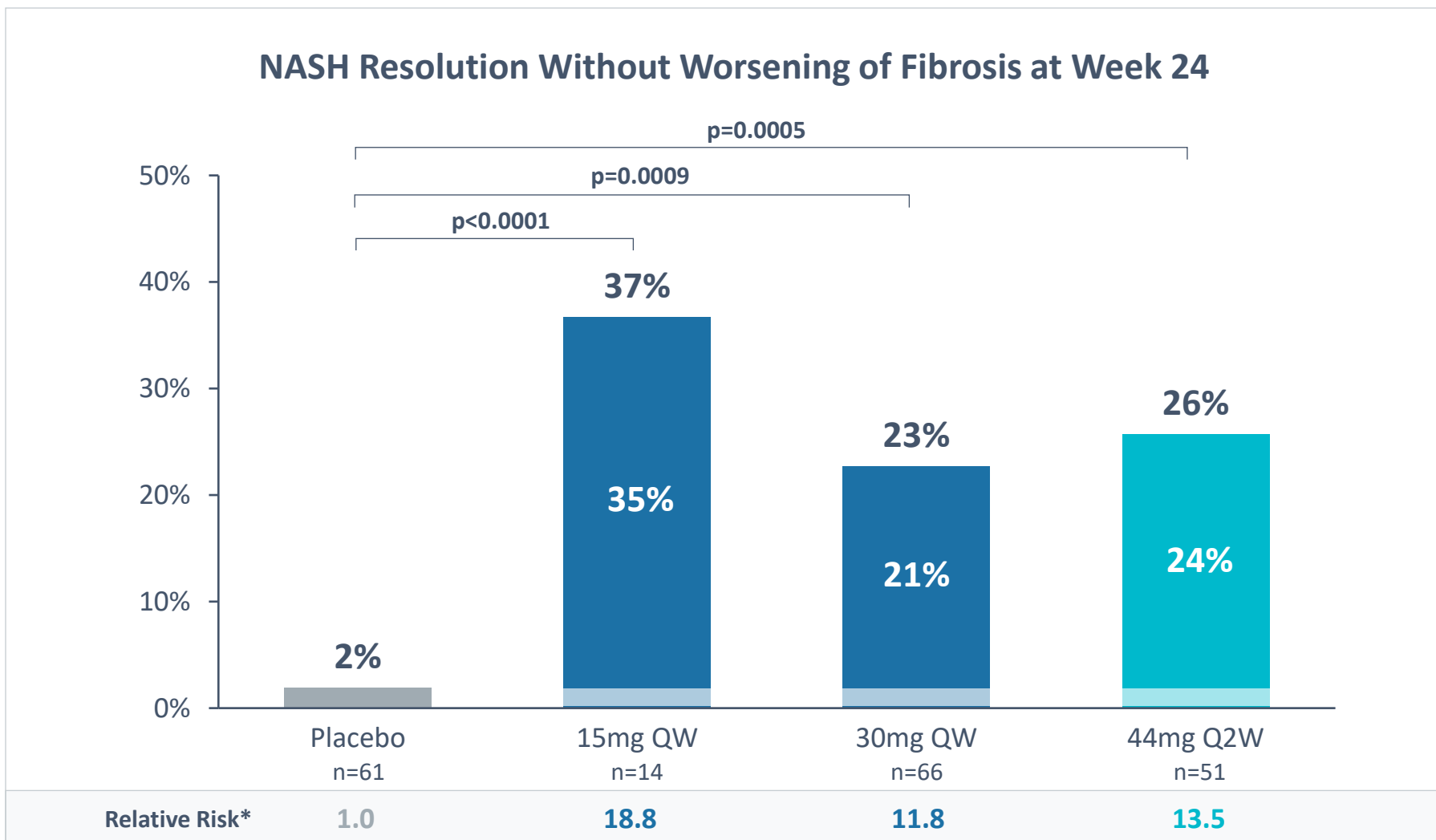
# Descriptive Analysis Data of Cirrhotic (F4) Patients from ENLIVEN



- 5/11 patients had fibrosis improvement without worsening of NASH<sup>1</sup>
- An additional 4 patients had fibrosis improvement only (9/11 total treated patients)

12/14 F4 patients enrolled in ENLIVEN had follow-up biopsies at week 24

# Pegozafermin Demonstrated Statistical Significance on NASH Resolution at All Doses



Relative risk is calculated by dividing drug response by placebo response

# Pre-Specified Additional Analyses Confirm Robustness of Primary Efficacy Results



## NASH Resolution Without Worsening of Fibrosis at Week 24

	30mg QW	44mg Q2W
<b>Completer Analysis Set (n=164)</b>		
Effect Size (placebo-adjusted)	21%	24%
p-value	0.0009	0.0004
<b>ITT (missing data = non-responder); (n=192)</b>		
Effect Size (placebo-adjusted)	17%	20%
p-value	0.0019	0.0009

# Clinical Data in Pre-Cirrhotic Patients

## NASH Resolution with No Worsening of Fibrosis



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Pegozafermin

Phase 2b | 24 weeks  
Multiple Imputation<sup>1</sup>

Ocalivia

Phase 3 | 72 weeks

Resmetirom<sup>2</sup>

Phase 3 | 52 weeks

Lanifibranor

Phase 2b | 24 weeks

Semaglutide

Phase 2 | 72 weeks

Efruxifermin

Phase 2b | 24 weeks  
Completers Analysis

Drug response  
as multiple of  
placebo response\*

11.8

13.5

1.9

2.6

3.0

1.7

2.1

3.5

3.1

5.1

21%

p=0.0009

30mg QW  
(n=66)

24%

p=0.0005

44mg Q2W  
(n=51)

3%  
p=ns

25mg  
(n=308)

16%

p<0.0001

80mg  
(n=316)

20%

p<0.0001

100mg  
(n=321)

17%

p=0.039

800mg  
(n=63)

26%

p=0.002

1200mg  
(n=69)

44%

p<0.001

0.4mg  
(n=56)

32%

p<0.01

28mg  
(n=38)

61%

p<0.001

50mg  
(n=34)

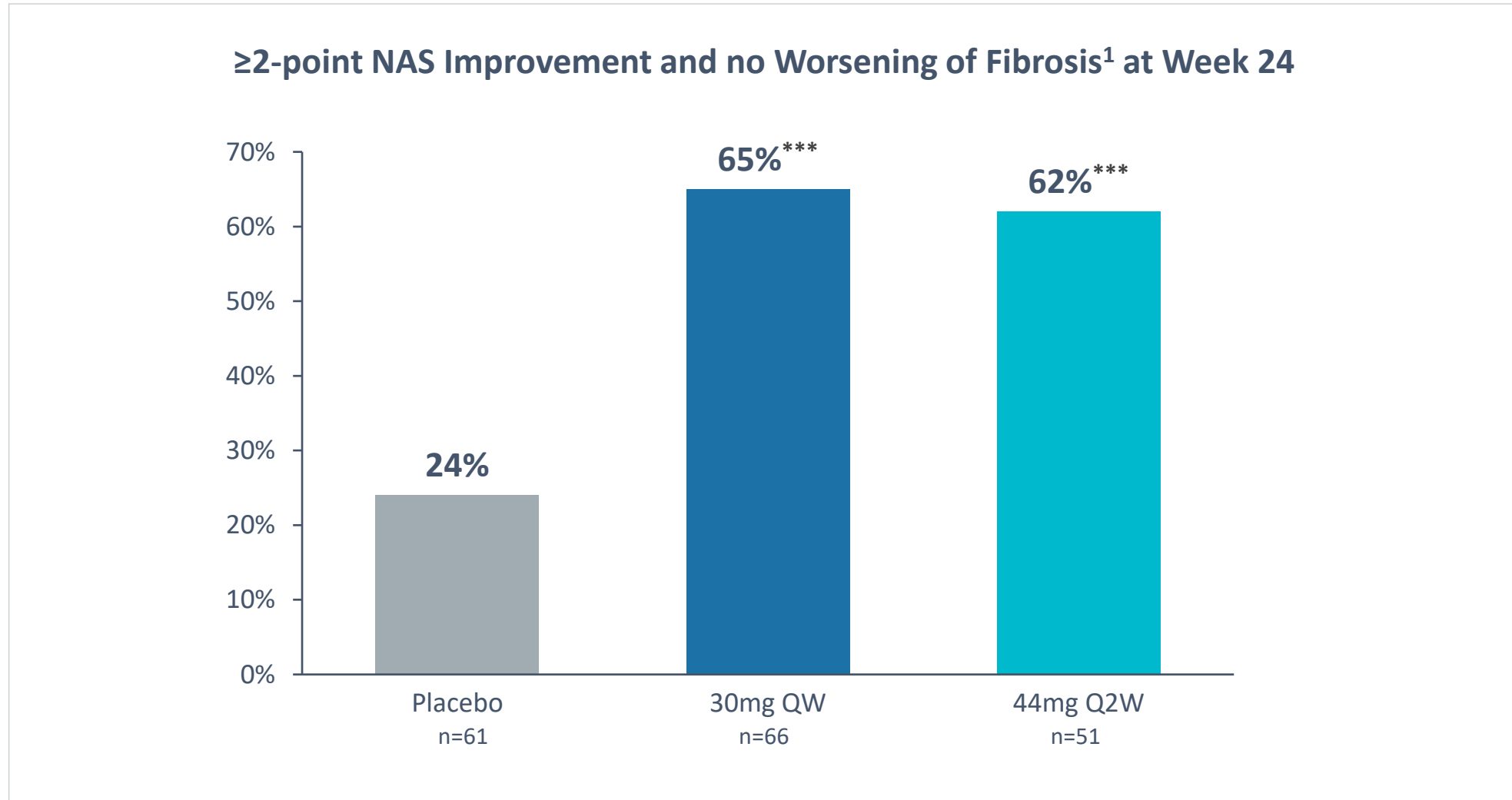
\* Drug response as multiple of placebo response is calculated by dividing drug response by placebo response

<sup>1</sup> Results same for Completer Analysis Set

<sup>2</sup> NASH resolution with  $\geq 2$  point reduction in NAS and no worsening of fibrosis

**Note:** These data are derived from different clinical trials at different points in time, with differences in trial design and patient populations. As a result, cross-trial comparisons cannot be made, and no head-to-head clinical trials have been conducted.

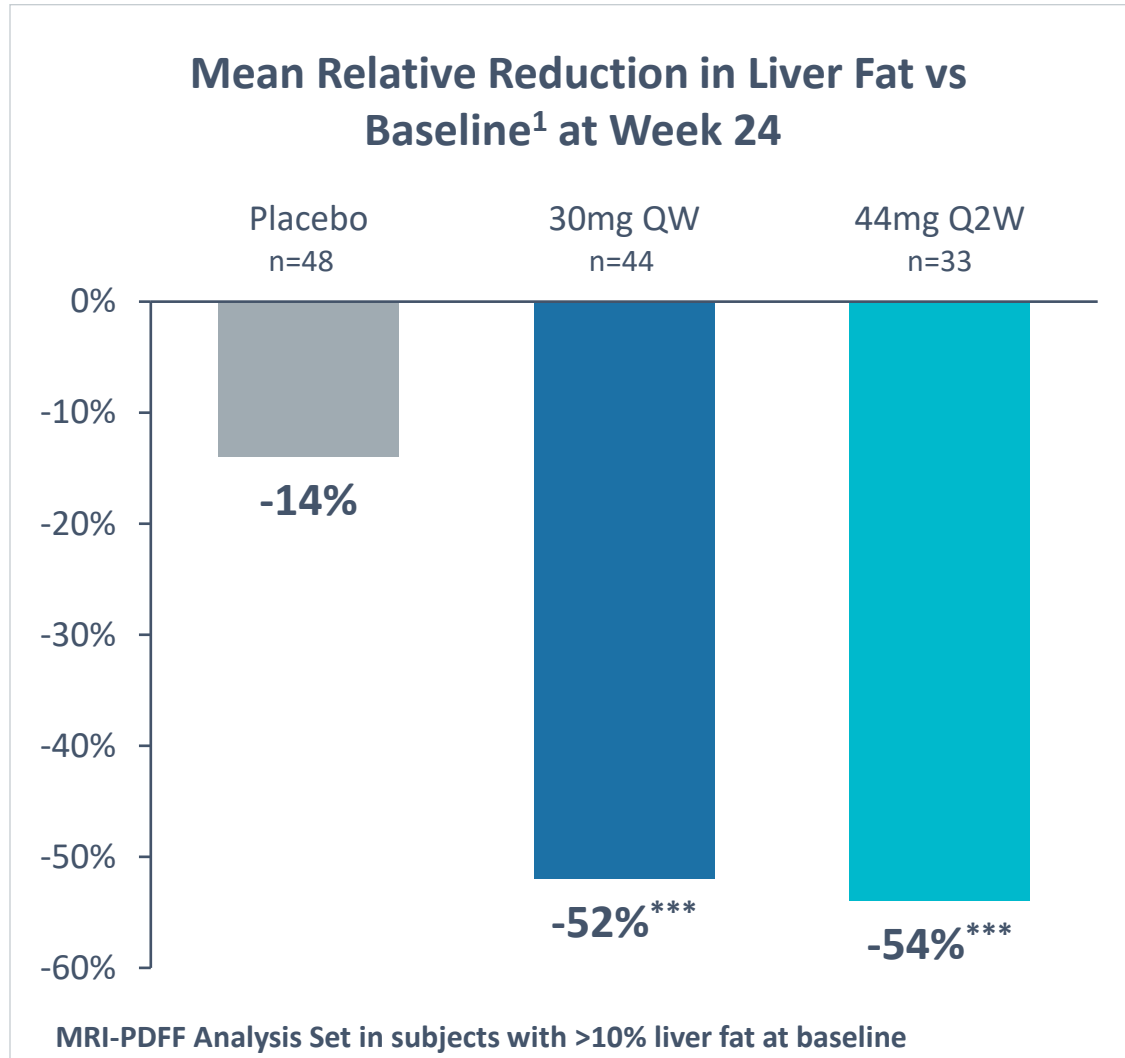
# Pegozafermin Demonstrated Statistical Significance on $\geq 2$ -point NAS Improvement



Results for the 15mg QW dose: 37%

<sup>1</sup> Full Analysis Set. Analysis via Cochran-Mantel-Haenszel (CMH) test stratified by T2DM status (yes vs. no) and fibrosis stage (F2 vs. F3)  
\*\*\*p<0.001 versus placebo.

# Pegozafermin Demonstrated Robust Liver Fat Reduction with High Responder Rates by MRI-PDFF at Week 24



## Proportion of Patients Achieving $\geq 50\%$ Reductions in Liver Fat<sup>2</sup> at Week 24

Placebo (n=48)	30mg QW (n=44)	44mg Q2W (n=33)
13%	66%***	67%***

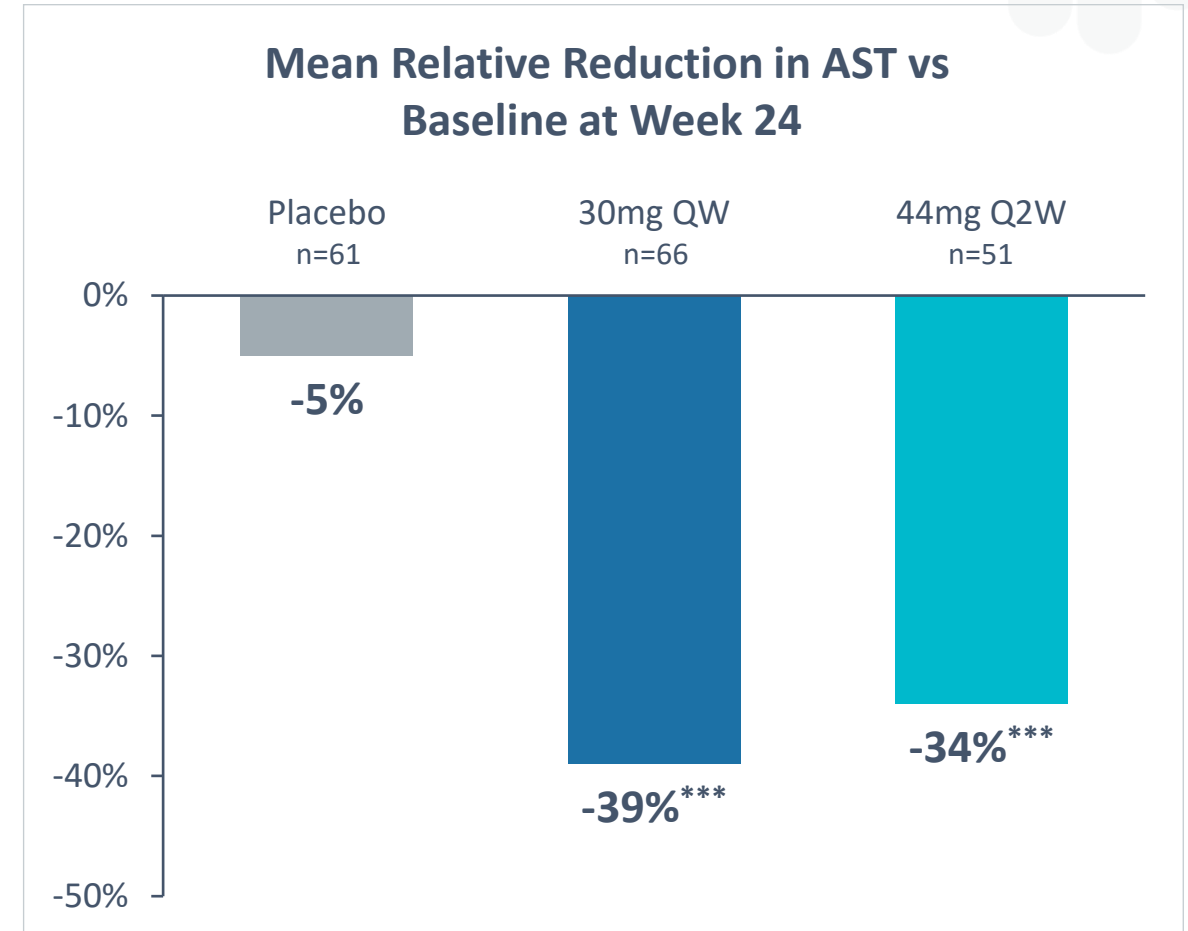
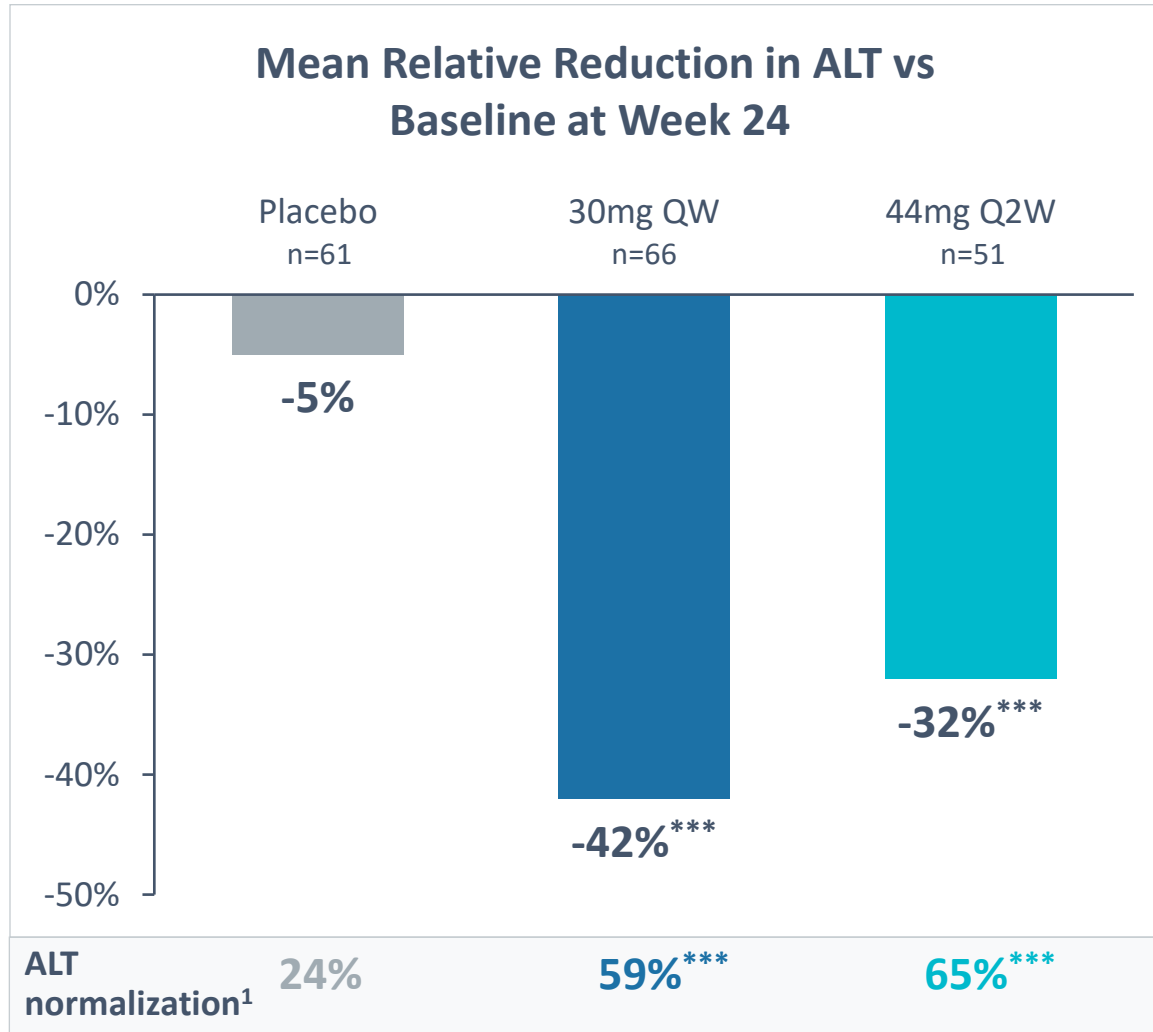
Results for the 15mg QW dose: -33% (n=12; p=ns)

<sup>1</sup>Analysis via mixed model repeated measure (MMRM). <sup>2</sup>Analysis via Cochran-Mantel-Haenszel (CMH) test stratified by T2DM status (yes vs. no) and fibrosis stage (F2 vs. F3).

\*\*\*p<0.001 versus placebo



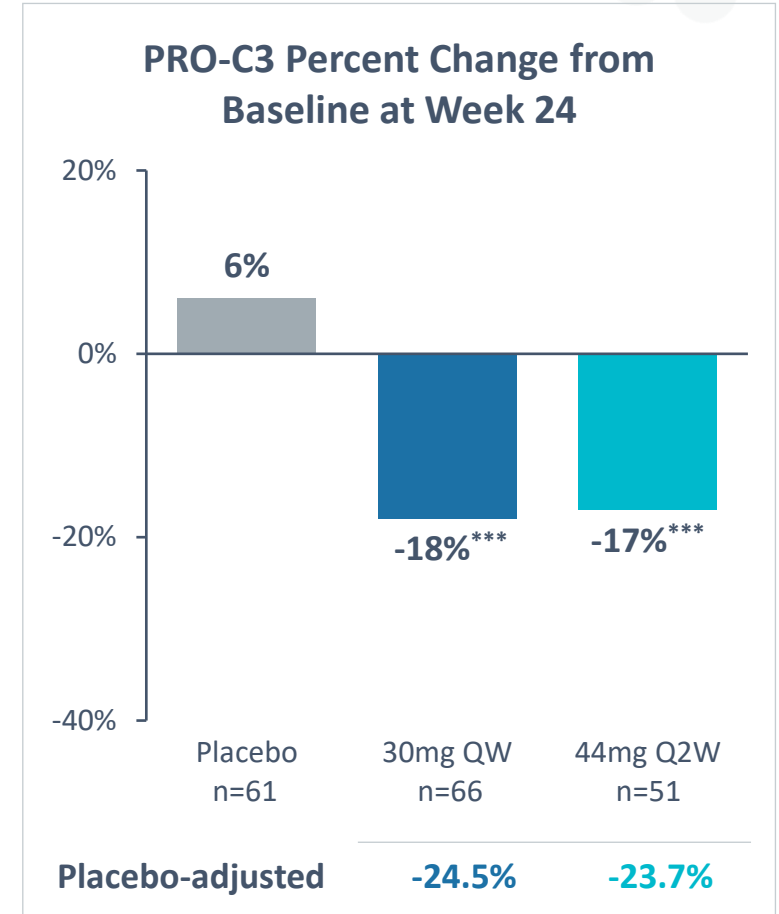
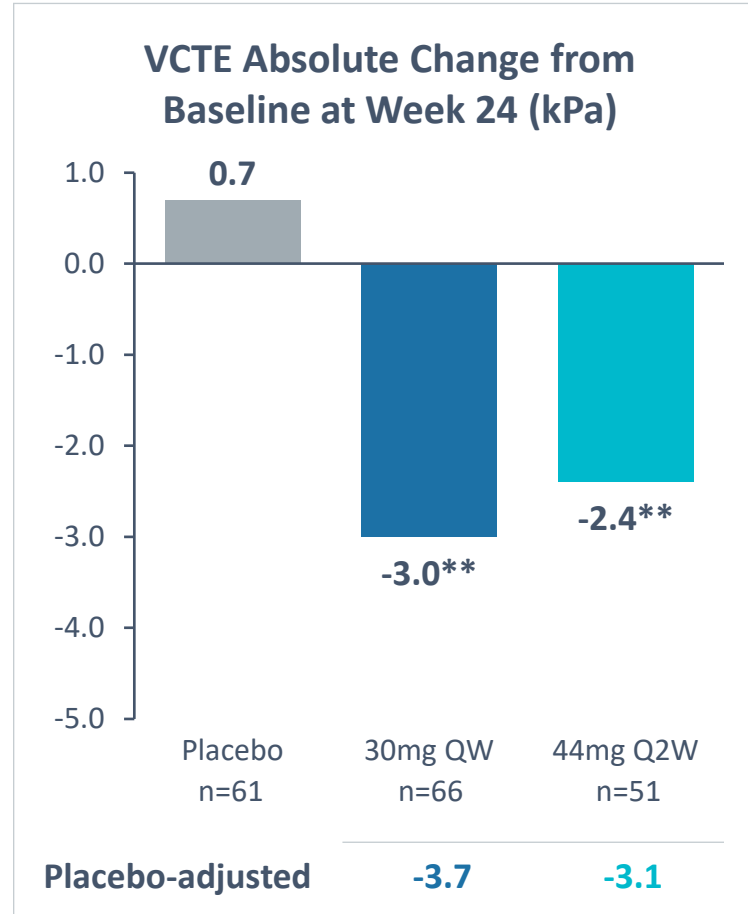
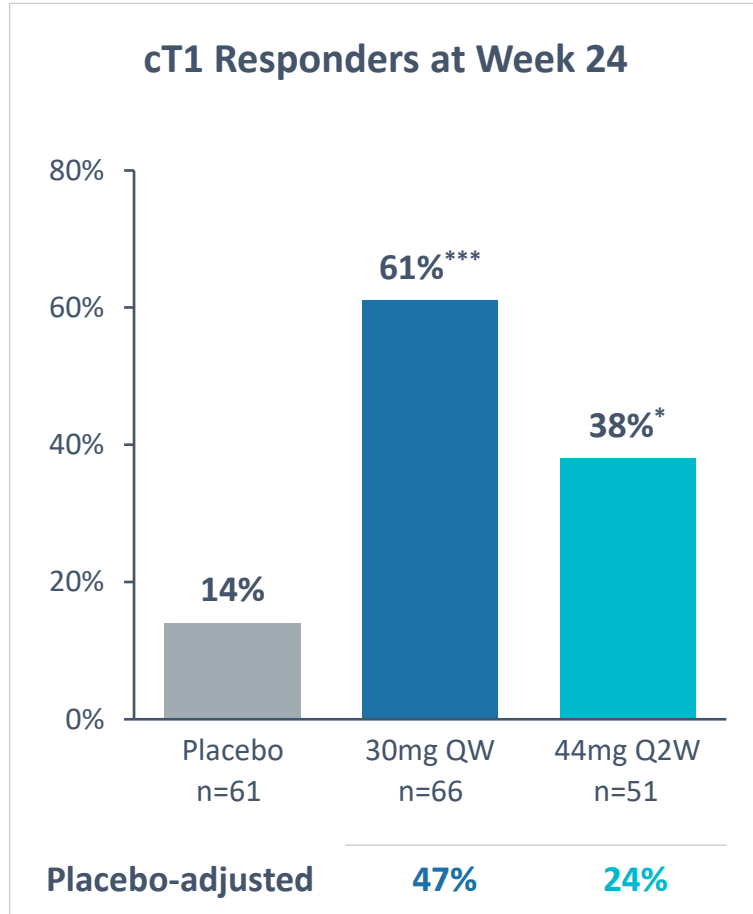
# Pegozafermin Demonstrated Significant Improvements in Markers of Liver Injury (ALT and AST)



ALT Results for the 15mg QW dose: -38% (n=14; p<0.01)

<sup>1</sup>ALT normalization defined as patients with ALT ≥30 U/L at baseline (n=133) with end-of-study ALT <30 U/L.

# Pegozafermin Demonstrated Significant Reductions in Non-Invasive Markers (NITs) of Hepatic Inflammation and Fibrosis



Results for the 15mg QW dose: cT1 40% (n=10; p=ns); VCTE -1.6 kPa (n=14; p=ns); PRO-C3 -5% (n=14; p=ns).

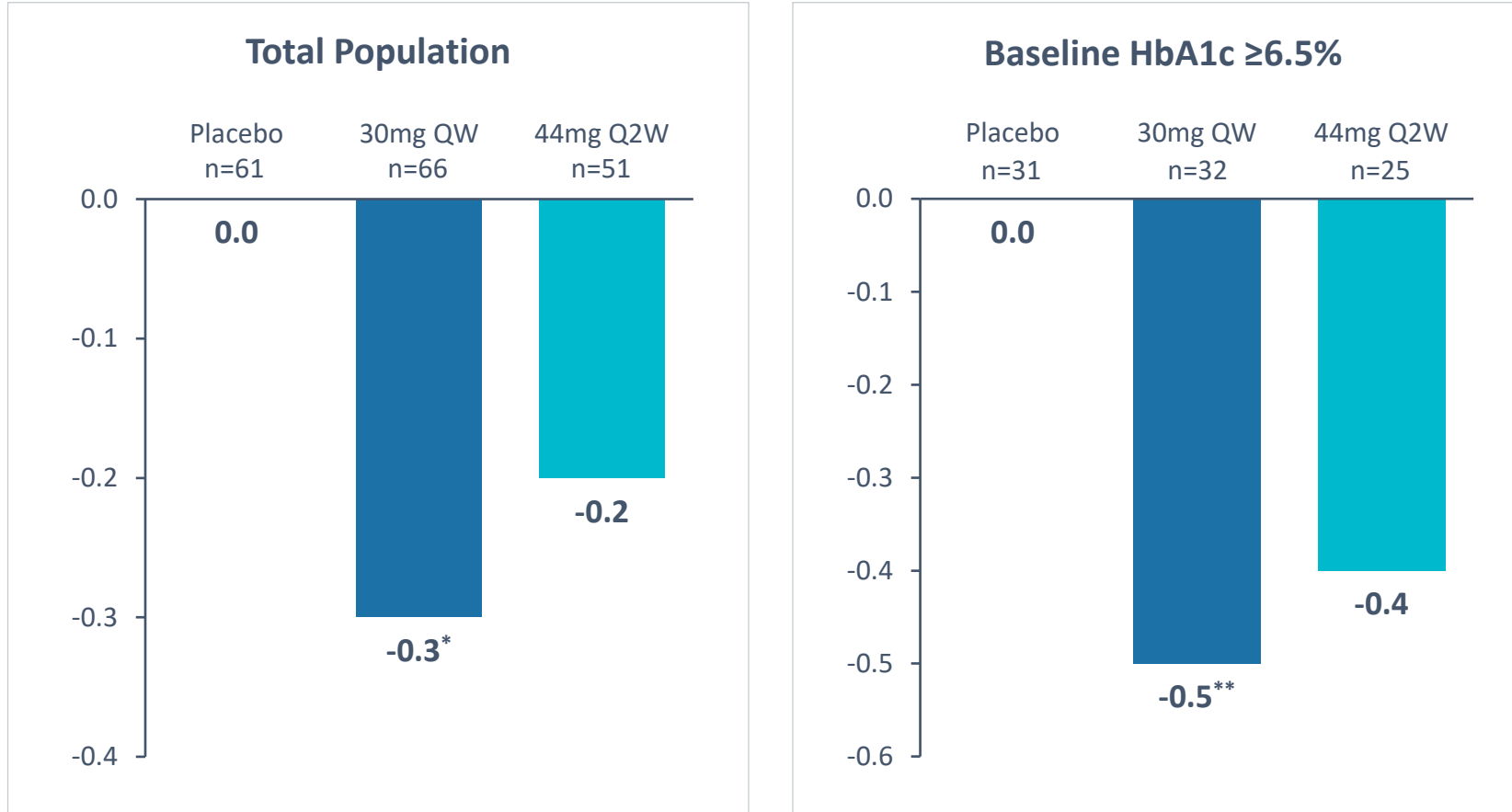
Source: Full Analysis Set for FibroScan and PRO-C3 assessments and MRI-PDF analysis set for cT1, Analysis via MMRM for cT1 and PRO-C3, ANCOVA for VCTE. A patient is designated a cT1 responder with  $\geq 80$  msec reduction as compared to baseline. cT1 analysis was performed at sites where available.

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001 versus placebo.

# Pegozafermin Demonstrated Meaningful Reductions in HbA1c



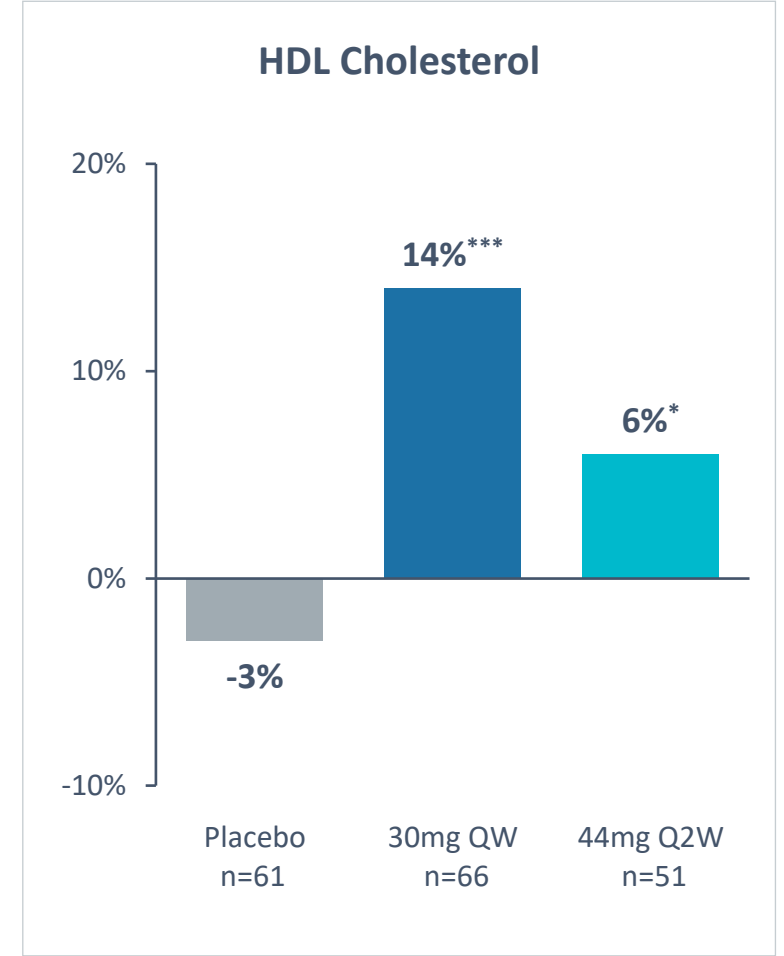
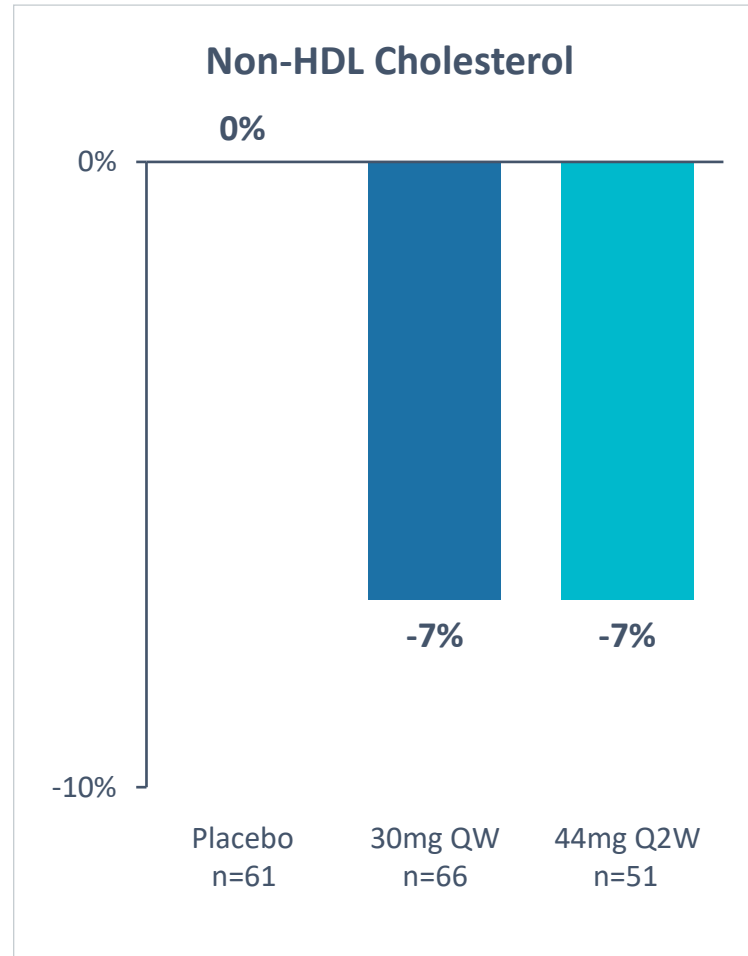
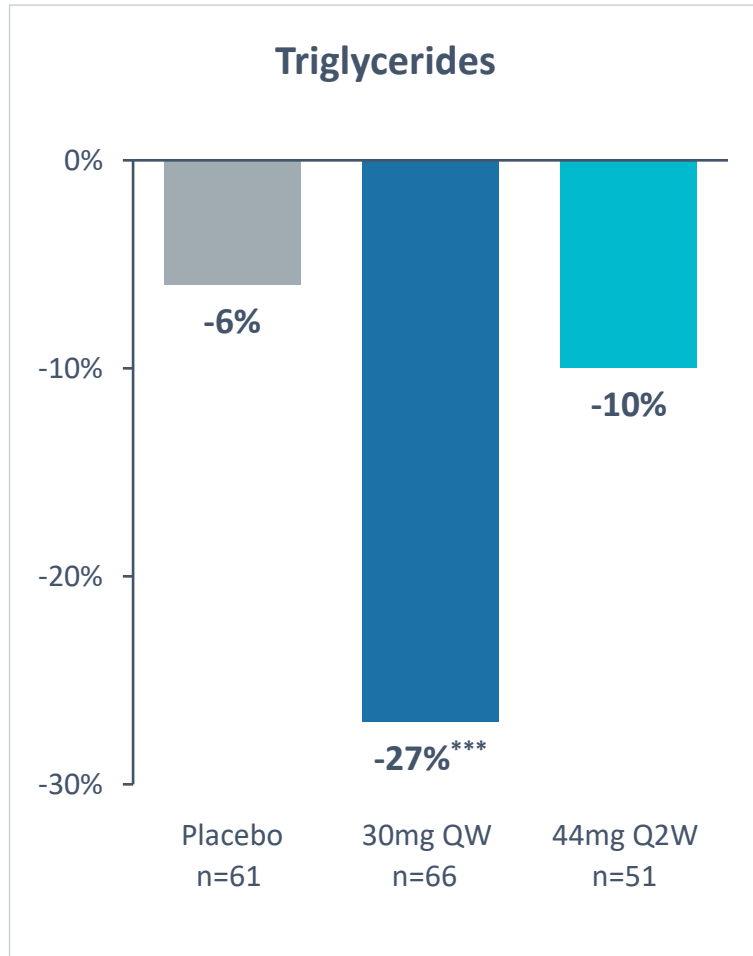
## Change in HbA1c from Baseline at Week 24



# Pegozafermin Demonstrated Meaningful Changes in Serum Lipids



## Percent Change in Serum Lipids from Baseline at Week 24



# Pegozafermin Was Well Tolerated Across Doses

## *Low incidence of treatment-related TEAEs*



### Drug-related TEAEs in ≥10% of patients

Preferred Term	Placebo (n=69)	15mg QW (n=21)	30mg QW (n=72)	44mg Q2W (n=57)
Diarrhea	3%	24%	17%	9%
Nausea	1%	14%	21%	18%
Injection site erythema	3%	14%	14%	5%
Injection site rash	1%	0	10%	4%
Increased appetite	0	10%	13%	5%

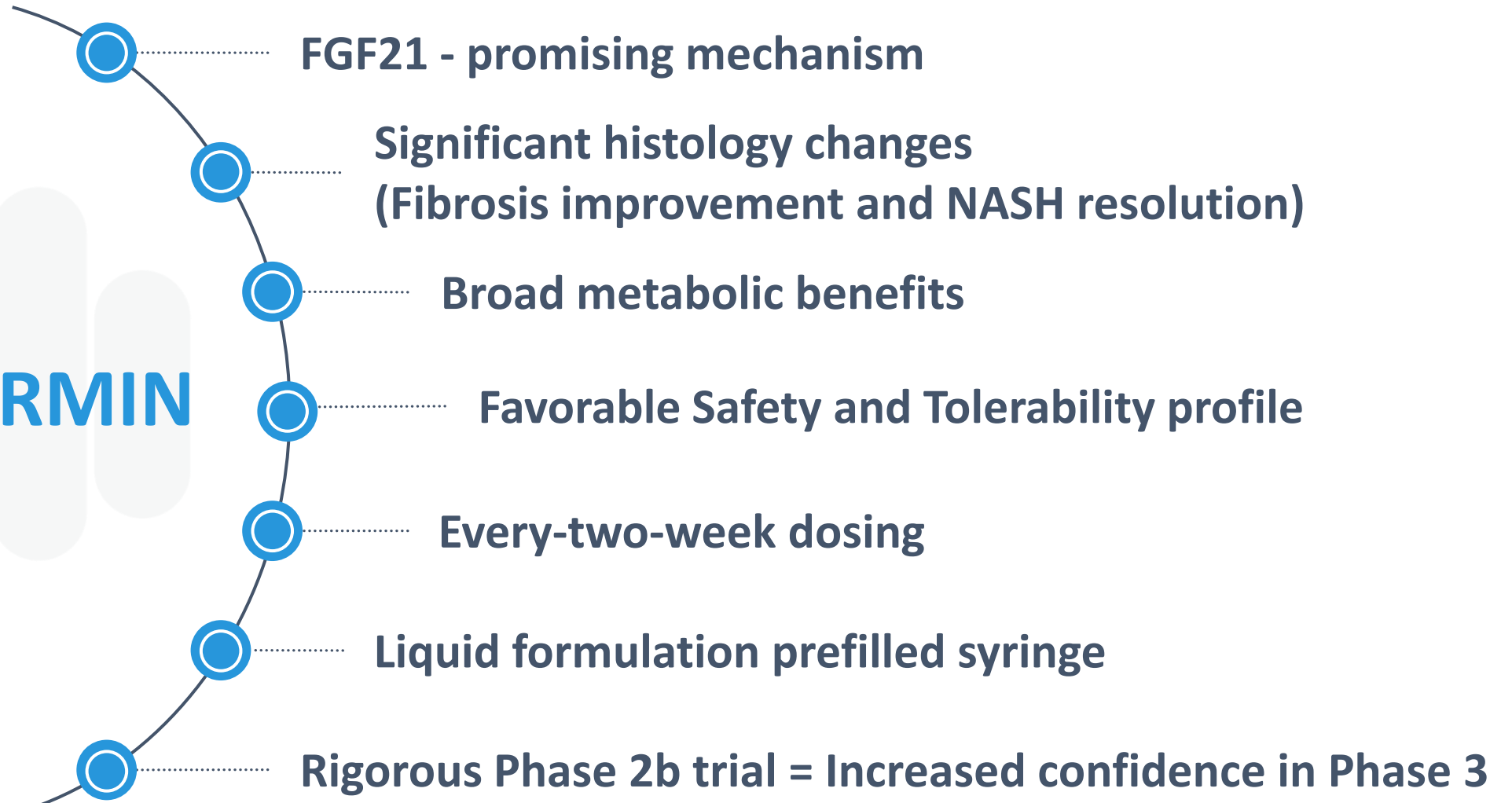
Most TEAEs were grade 1 or 2. No tremor reported.

	Placebo	15mg QW	30mg QW	44mg Q2W
Drug-related AEs leading to discontinuation	0	5% <sup>a</sup>	6% <sup>b</sup>	2% <sup>c</sup>
Drug-related Serious Adverse Event (SAE)	0	0	0	2% <sup>c</sup>

Related discontinuations: <sup>a</sup> Diarrhea [15 mg QW] ; <sup>b</sup> Diarrhea [30 mg QW]; Nausea [30 mg QW]; Diarrhea [30 mg QW]; ISR erythema [30 mg QW]; <sup>c</sup> Pancreatitis [44 mg Q2W].  
 Unrelated discontinuations: Angina [placebo]; Colon CA [30 mg QW]; COVID-19 [30 mg QW].

# Pegozafermin – A Potentially Differentiated and Foundational NASH Therapy

**PEGOZAFERMIN**



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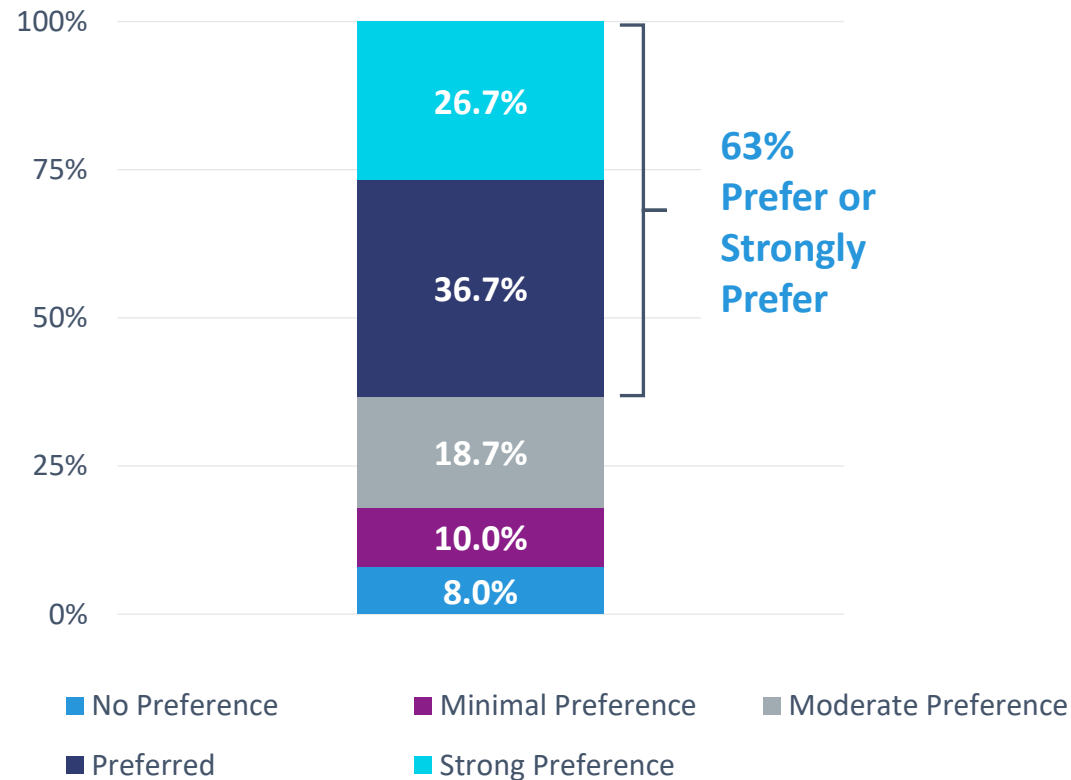
APPENDIX



# Over 60% of T2D Patients Prefer or Strongly Prefer Every-Two-Week Injections



**Preference of Every-Two-Week Injections  
Over Weekly Injections**



- Every-two-week dosing provides opportunity for physicians to optimize therapy to patient preference
- Compliance is important in treatment for chronic, asymptomatic diseases