

# Tirzepatide for the Treatment of Obesity the SURMOUNT-1 Clinical Trial

---

## Results of the first Phase 3 Obesity Trial with Tirzepatide, the novel GIP/GLP-1 Receptor Agonist

**Louis J. Aronne<sup>1</sup>, Ania M. Jastreboff<sup>2</sup>, Adam Stefanski<sup>3</sup>, Shuyu Zhang<sup>3</sup>, Mathijs C. Bunck<sup>3</sup>, Luis-Emilio García-Pérez<sup>3</sup>, Nadia N. Ahmad<sup>3</sup>**  
on behalf of the SURMOUNT-1 investigators

<sup>1</sup>Comprehensive Weight Control Center, Division of Endocrinology, Diabetes, and Metabolism, Weill Cornell Medicine, New York, USA,  
<sup>2</sup>Departments of Medicine (Endocrinology & Metabolism) and Pediatrics (Pediatric Endocrinology), Yale University School of Medicine, New Haven, Connecticut, USA,  
<sup>3</sup>Eli Lilly and Company, Indianapolis, Indiana, USA

30th European Congress on Obesity; Dublin, Ireland; 17-20 May 2023

1

Disclosures

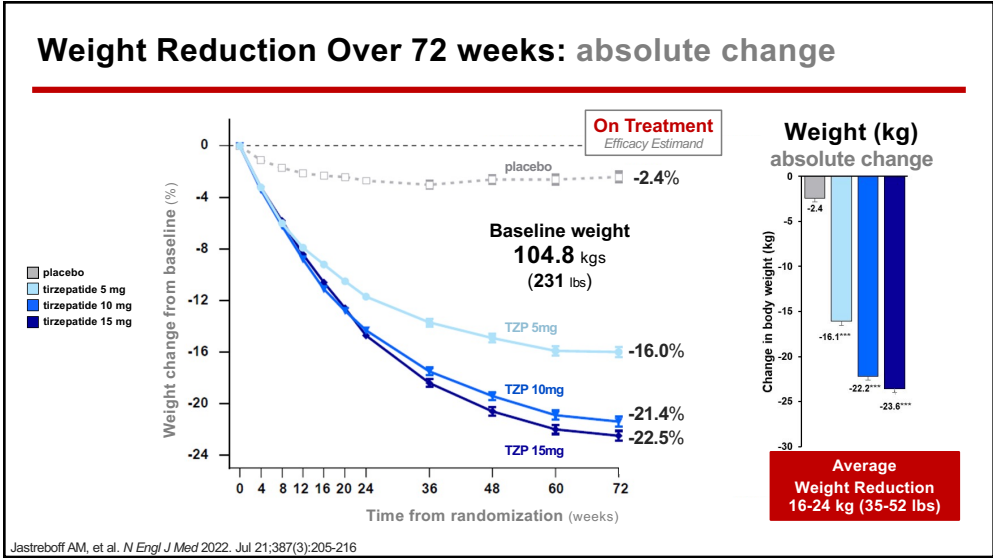
<p><b>Consultant, Speaker, Advisor, or Receive Research Support</b></p> <ul style="list-style-type: none"> <li>Altimune</li> <li>Amgen</li> <li>Allurion</li> <li>Intellihealth</li> <li>Janssen</li> <li>Eli Lilly</li> <li>Novo Nordisk</li> <li>Pfizer</li> <li>United Health Group</li> <li>Versanis</li> </ul>	<p><b>Ownership Interest:</b></p> <ul style="list-style-type: none"> <li>ERX</li> <li>Gelesis</li> <li>Intellihealth</li> </ul> <p><b>Board of Directors:</b></p> <ul style="list-style-type: none"> <li>ERX</li> <li>Jamieson Wellness</li> <li>Intellihealth</li> </ul>
---	---

As faculty of Weill Cornell Medical College, we are committed to providing transparency for any and all external relationships prior to giving an academic presentation.

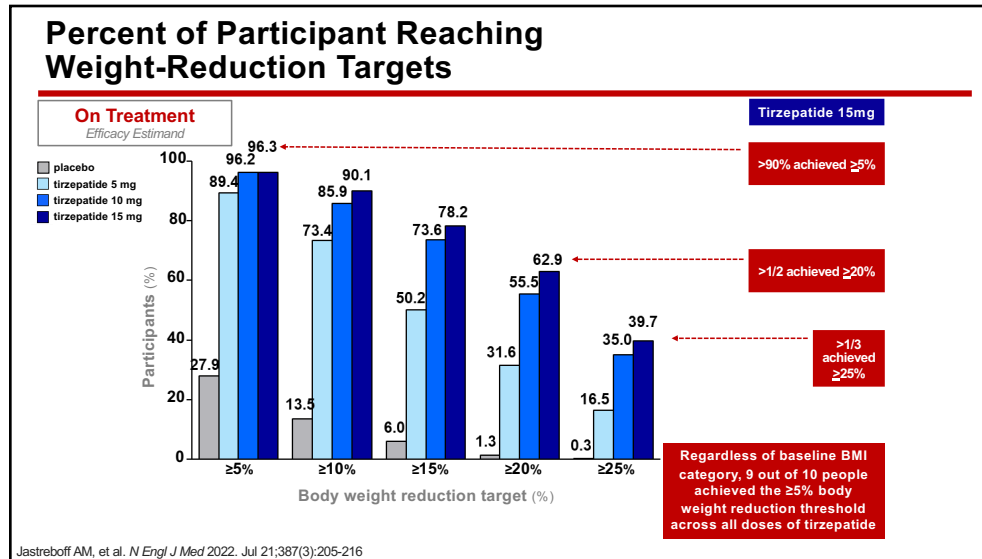
2

# Primary Outcomes

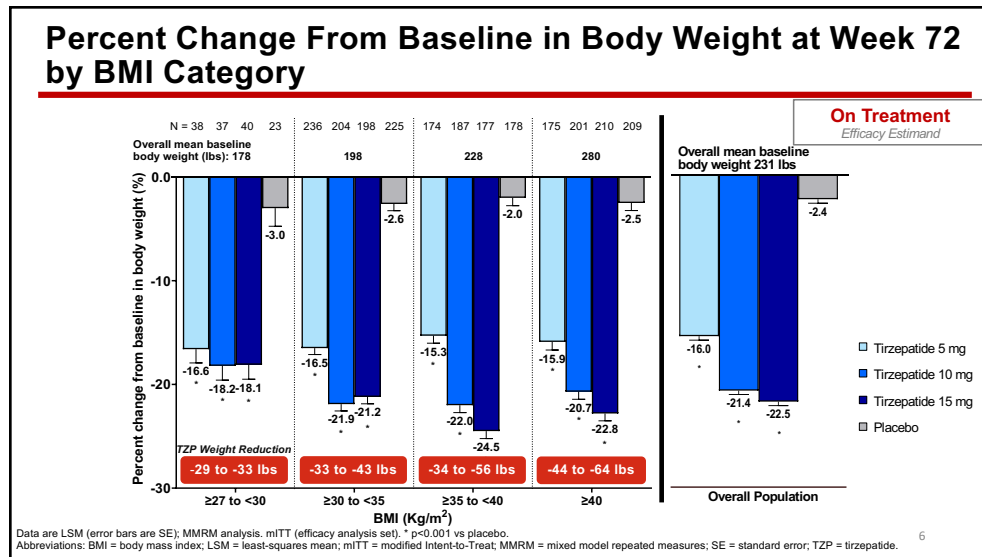
3



4



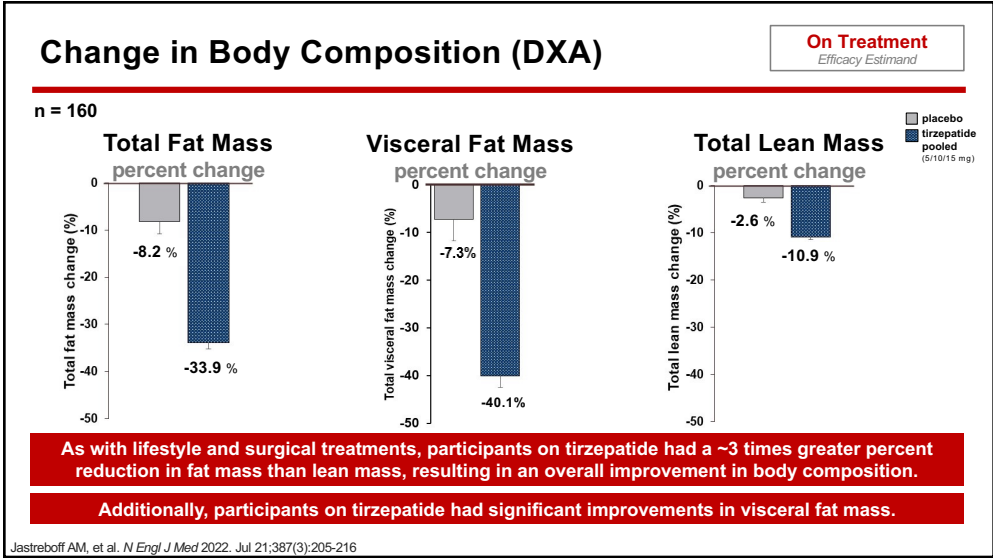
5



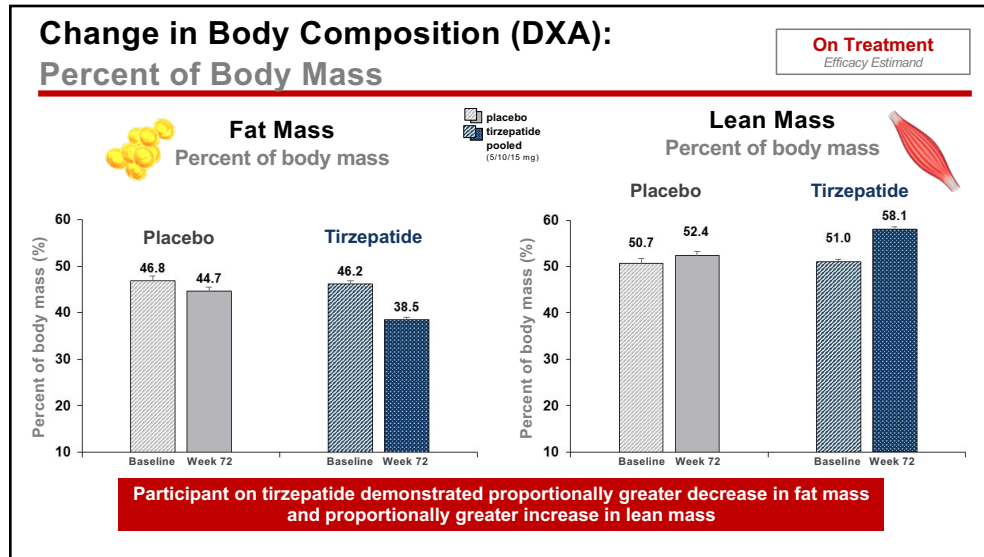
6

# Cardiometabolic Outcomes

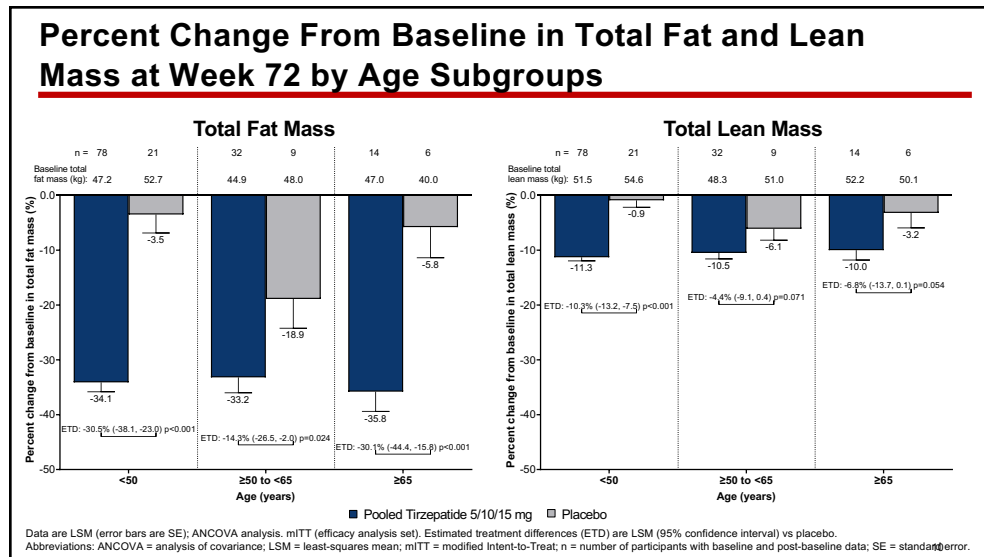
7



8



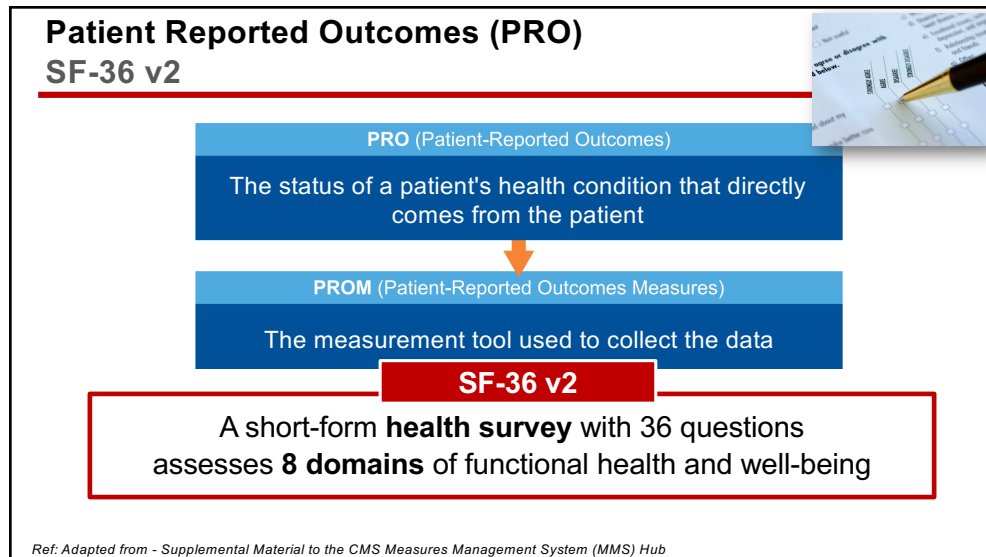
9



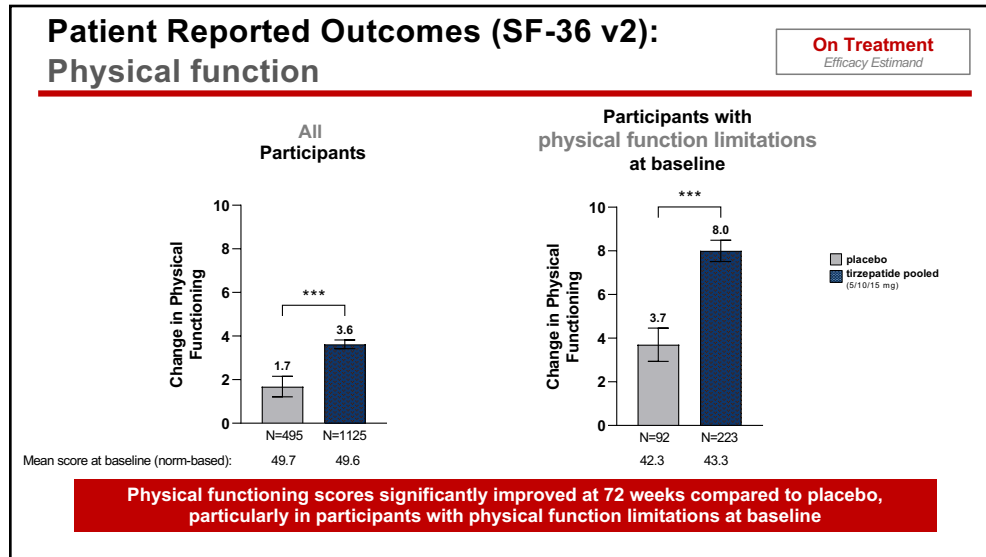
10

# Patient Reported Outcomes

11



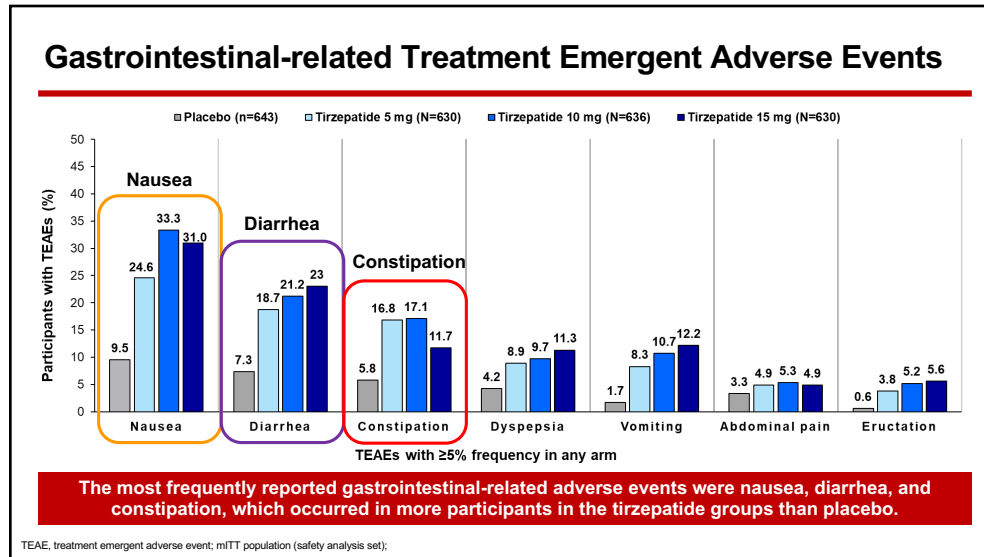
12



13

## Safety and Tolerability

14



15

### Gastrointestinal Adverse Events Reported as Primary Reason for Discontinuation of the Study Drug

Parameter	Placebo (N=643) n (%)	TZP 5 mg (N=630) n (%)	TZP 10 mg (N=636) n (%)	TZP 15 mg (N=630) n (%)
Participants with Study Drug discontinuation due to Adverse Events	17 (2.6)	27 (4.3)	45 (7.1)	39 (6.2)
Participants with Study Drug discontinuation due to Gastrointestinal Adverse Events	3 (0.5)	12 (1.9)	28 (4.4)	26 (4.1)

**Gastrointestinal adverse events were reported as the primary reason for study drug discontinuation.  
Discontinuation due to gastrointestinal events was reported in less than 5% of participants on tirzepatide.**

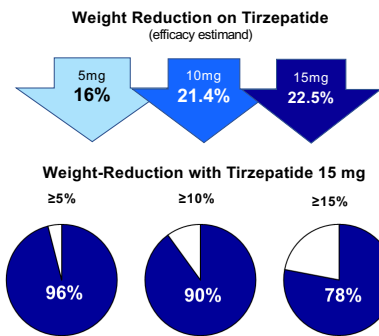
mITT population (safety analysis set); n (%): number (percentage) of participants

16



## Summary of Efficacy and Safety Results of SURMOUNT-1

All 3 doses of tirzepatide demonstrated substantial, clinically meaningful and sustained body weight reduction compared to placebo



- Up to **63%** of participants achieved the **≥20%** weight-reduction target with tirzepatide
- All prespecified **cardiometabolic measures improved** with tirzepatide
- The most frequently reported adverse events were **gastrointestinal**, mild to moderate, and transient occurring primarily during dose-escalation
- The **tolerability** and **safety** profile of tirzepatide is consistent with the GLP-1 receptor agonist class in people with obesity

17

### Acknowledgements

This study was sponsored by Eli Lilly and Company.  
Medical writing and editorial assistance were provided by Farai Chigutsa, Eli Lilly and Company.

ClinicalTrials.gov Identifier: NCT04184622

Scan or click the QR code or use this URL  
(<https://lillyscience.lilly.com/congress/eco2023>) for a list of all Lilly content presented at the congress.

Other company and product names are trademarks of their respective owners.



18