



SICOB EVENTI

6 - 7 MARZO 2025



RESP. SCIENTIFICI **LUIGI ANGRISANI** **MARIO MUSELLA** **VINCENZO PILONE**

NAPOLI, 6 - 7 MARZO 2025

1° INTERNATIONAL BARIATRIC MEETING

**Bariatric Surgery and Pharmacological approach
to Morbid Obesity: An open debate**

Farmaci anti-obesità: molecole a confronto



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Geltrude Mingrone, MD, PhD

KING'S
College
LONDON

CONFLICT OF INTEREST

Consulting fees from Novo Nordisk, Eli Lilly, Boehringer Ingelheim, Medtronic, Fractyl Inc, and Recor Inc.

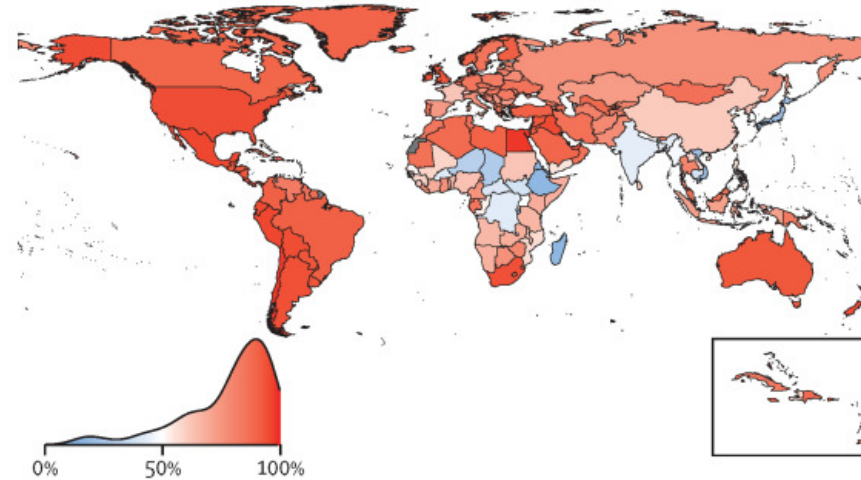
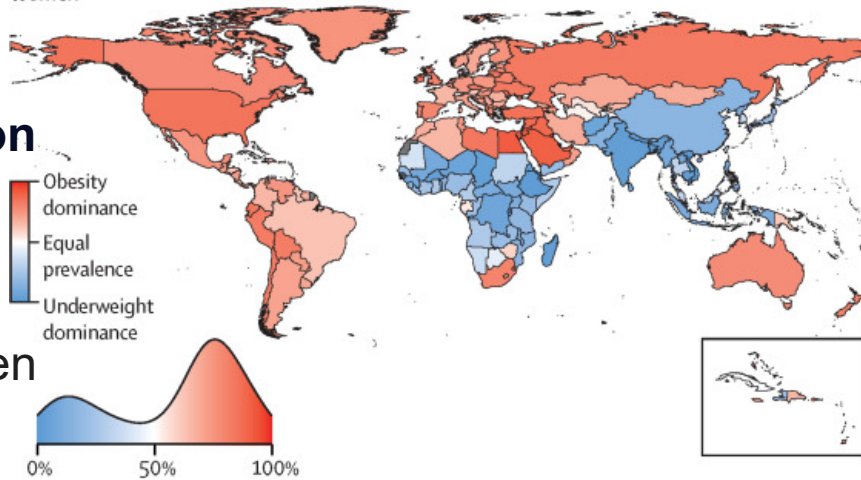
Scientific advisor of Metadeq Inc., Keyron Ltd, GHP Scientific Ltd, and Jemyll Ltd.

Grants from Fractyl Inc., Metadeq Inc., Keyron Ltd, GHP Scientific Ltd, and Jemyll Ltd.

1990

2022

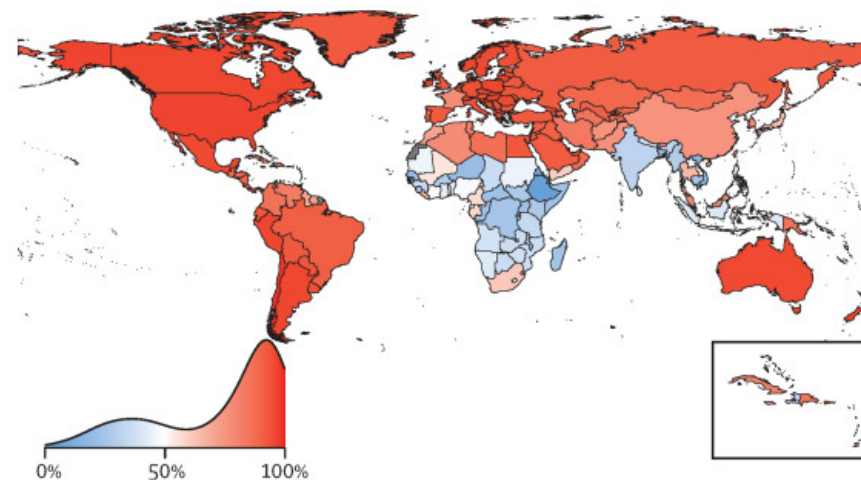
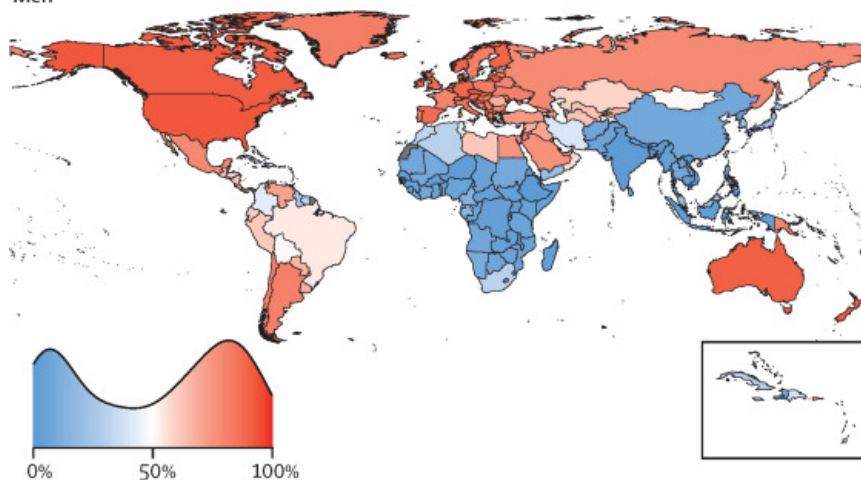
Women



- | | | | |
|----------------|------------------|-----------------------|-----------------|
| American Samoa | Fiji | Montenegro | Solomon Islands |
| Bahrain | French Polynesia | Nauru | Tokelau |
| Bermuda | Kiribati | Niue | Tonga |
| Brunei | Maldives | Palau | Tuvalu |
| Cabo Verde | Marshall Islands | Samoa | Vanuatu |
| Comoros | Mauritius | São Tomé and Príncipe | |
| Cook Islands | Micronesia | Seychelles | |

- | | | | |
|----------------|------------------|-----------------------|-----------------|
| American Samoa | Fiji | Montenegro | Solomon Islands |
| Bahrain | French Polynesia | Nauru | Tokelau |
| Bermuda | Kiribati | Niue | Tonga |
| Brunei | Maldives | Palau | Tuvalu |
| Cabo Verde | Marshall Islands | Samoa | Vanuatu |
| Comoros | Mauritius | São Tomé and Príncipe | |
| Cook Islands | Micronesia | Seychelles | |

Men

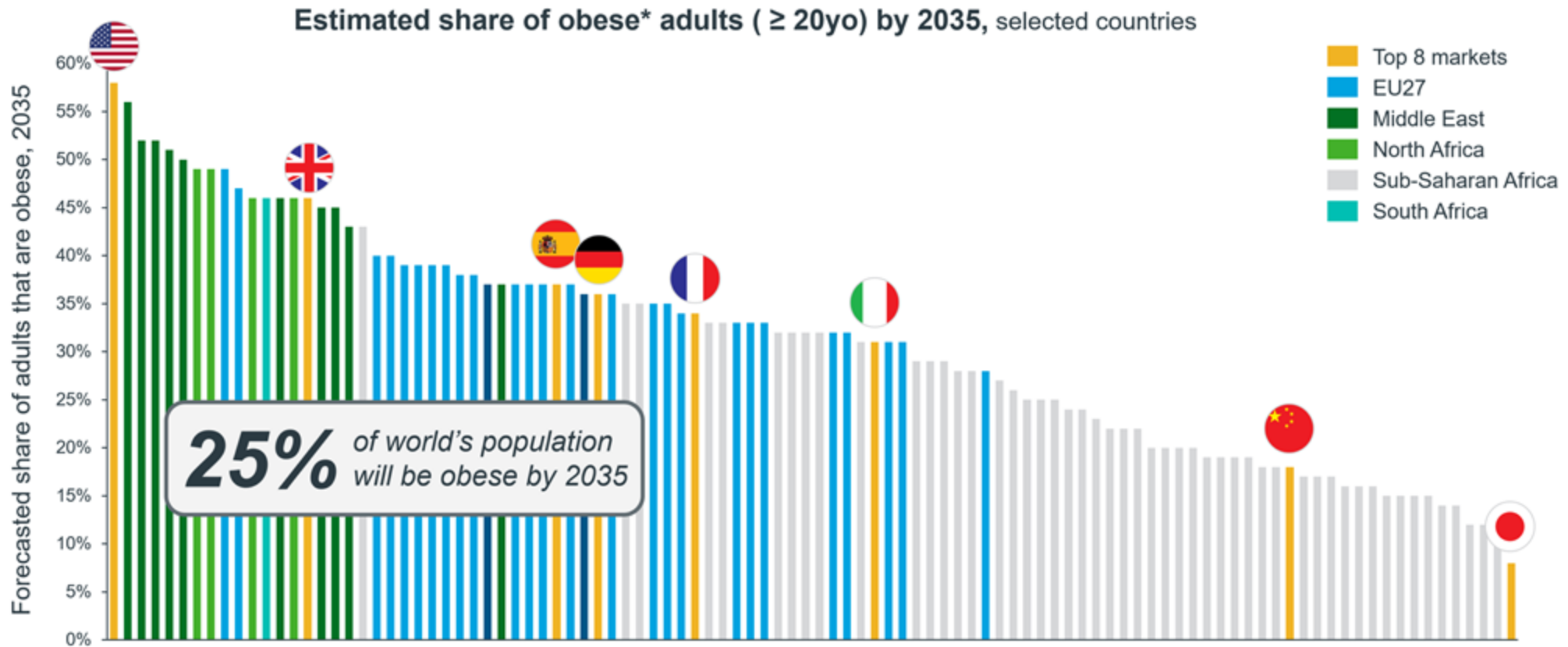


- | | | | |
|----------------|------------------|-----------------------|-----------------|
| American Samoa | Fiji | Montenegro | Solomon Islands |
| Bahrain | French Polynesia | Nauru | Tokelau |
| Bermuda | Kiribati | Niue | Tonga |
| Brunei | Maldives | Palau | Tuvalu |
| Cabo Verde | Marshall Islands | Samoa | Vanuatu |
| Comoros | Mauritius | São Tomé and Príncipe | |
| Cook Islands | Micronesia | Seychelles | |

- | | | | |
|----------------|------------------|-----------------------|-----------------|
| American Samoa | Fiji | Montenegro | Solomon Islands |
| Bahrain | French Polynesia | Nauru | Tokelau |
| Bermuda | Kiribati | Niue | Tonga |
| Brunei | Maldives | Palau | Tuvalu |
| Cabo Verde | Marshall Islands | Samoa | Vanuatu |
| Comoros | Mauritius | São Tomé and Príncipe | |
| Cook Islands | Micronesia | Seychelles | |

More than **1 billion** people living with obesity:
 880 million adults
 159 million children

The global prevalence of obesity



Reclaiming the Coast Salish
wally bag by LON LIND

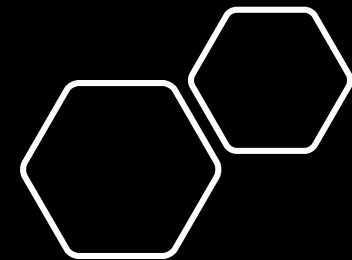
The future of immunotherapies
for Alzheimer's disease by LIU

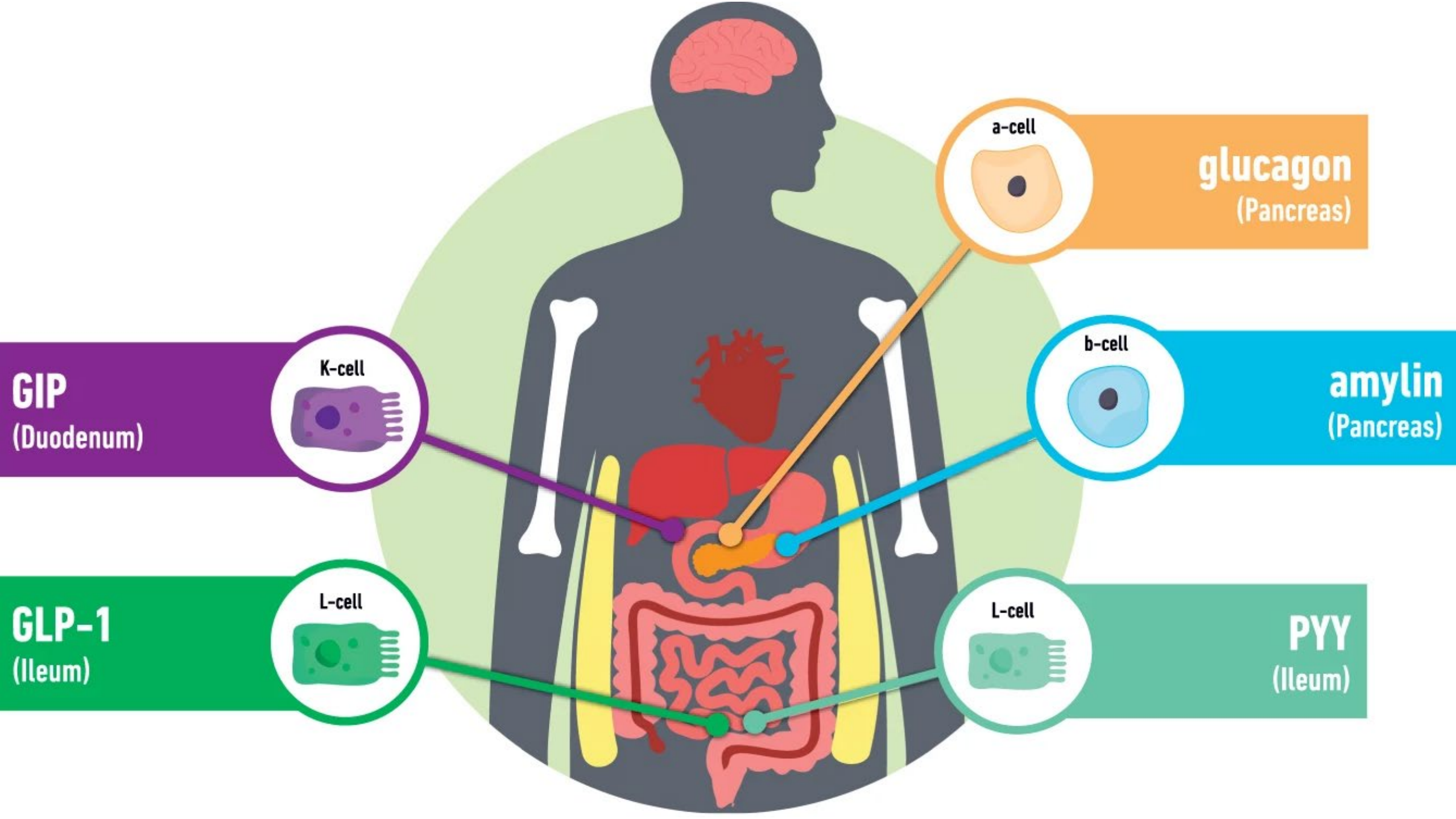
All-day thermoregulating
clothing by LIU & LIU

Science

110
ON DECEMBER 2023
SPECIAL ISSUE
MINIATURE

MAAS





a-cell

glucagon
(Pancreas)

b-cell

amylin
(Pancreas)

K-cell

GIP
(Duodenum)

L-cell

GLP-1
(Ileum)

L-cell

PYY
(Ileum)

GLP-1



↓ appetite
↓ food intake

↑ nausea



↑ insulin,

↓ glucagon



↓ gastric emptying



↑ lipolysis



↑ cardioprotection

↑ heart rate

GIP



↓ appetite*

↓ nausea



↑ insulin

↑ glucagon



↓ gastric acid secretion



↑ lipid deposition

↑ lipogenesis



↓ bone resorption

Amylin



↓ appetite

↓ food intake



↓ glucagon



↑ energy expenditure*



↓ gastric emptying



↓ osteoclast activity

↑ osteoblast activity

Glucagon



↓ appetite
↓ food intake

↑ nausea



↑ insulin



↑ hepatic glucose
production

↑ lipid oxidation
↓ hepatic lipid synthesis



↓ gastric emptying



↑ energy expenditure



↑ heart rate

PYY



↓ appetite
↓ food intake

↑ nausea



↓ gastric emptying



↑ energy expenditure*

GLP-1 agonists

GLP-1 Injectable

- ③ Semaglutide 7.2mg - NN

GLP-1 Oral

- ⑤ Semaglutide 50mg* - NN
- ③ Orforglipron - Eli Lilly
- ② Danulipron - Pfizer
- ① CT996 - Carmot Therapeutics

- Key:
- ③ Phase 3
 - ② Phase 2
 - ① Phase 1
 - 🔬 Pre clinical

GLP-1 + GIP agonists

- ③ Tirzepatide* - Eli Lilly
- ① SCO-094 - Scotia Pharma
- ① VK2735 oral/subcut - Viking Therapeutics
- ① CT388 - Carmot Therapeutics

GLP-1 + GIP antagonist

- ② AMG 133 - Amgen

GIP agonist

- 🔬 ZP6590 - Zealand Pharma

amylin agonists

- ② Cagrilintide- NN
- ① Long acting amylin agonist -Eli Lilly
- ① ZP8396 - Zealand Pharma
- ① AZD6234 - AstraZeneca

GLP-1 + amylin agonists

- ③ CagriSema - NN
- ① Oral amycretin - NN

GLP-1 + GIP + Glucagon agonist

- ③ Retatrutide - Eli Lilly
- ① HM15211 - Hanmi Pharmaceutical

PYY agonists

- ② NNC0165-1875 - NN
- ① NNC0165-1562 - NN
- ① Y-14 - Zhipp

GLP-1 + PYY agonists

- ② NNC0165-1875 + Semaglutide - NN
- ① NNC0165-1562 + Semaglutide - NN

GLP-1 + glucagon agonists

- ③ Survodutide - Boehringer Ingelheim
- ② Efinopegdutide - Hanmi Pharmaceutical
- ② Mazdutide - Eli Lilly
- ② Pemvidutide ALT-801 - Altimune

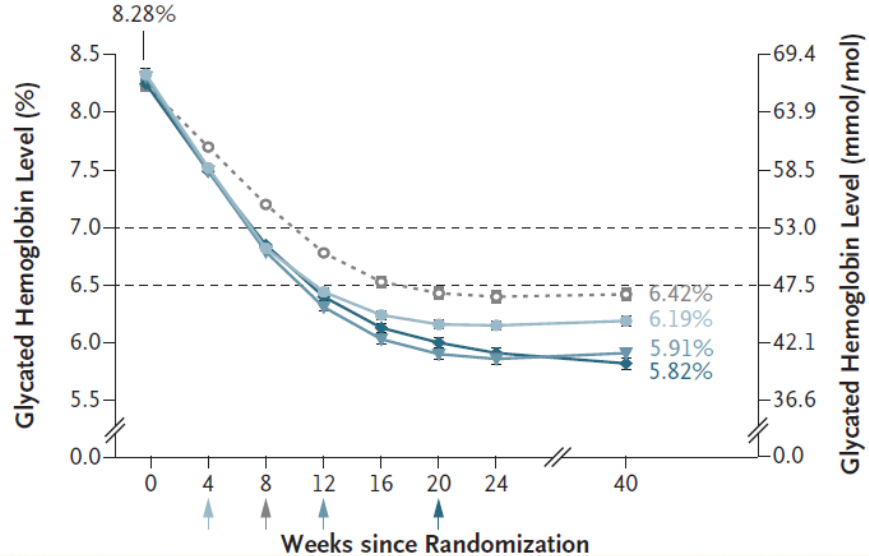
Glucagon agonist

- ① HM15136 - Hanmi Pharmaceutical

● Tirzepatide, 5 mg ▽ Tirzepatide, 10 mg ◆ Tirzepatide, 15 mg ○ Semaglutide, 1 mg

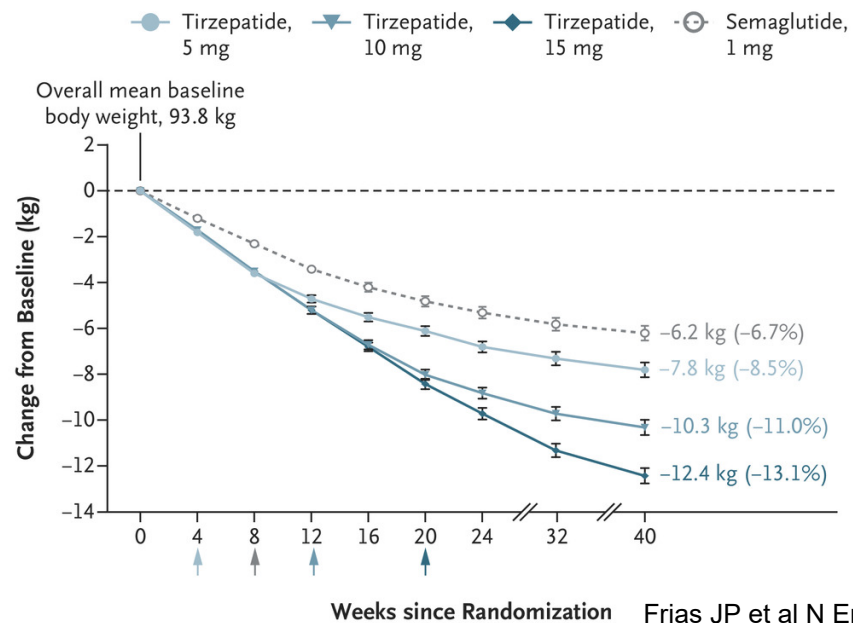
B Glycated Hemoglobin Level

Overall mean baseline glycated hemoglobin, 8.28%



BMI † 33.8±6.85 34.3±6.60 34.5±7.11 34.2±7.15 34.2±6.93

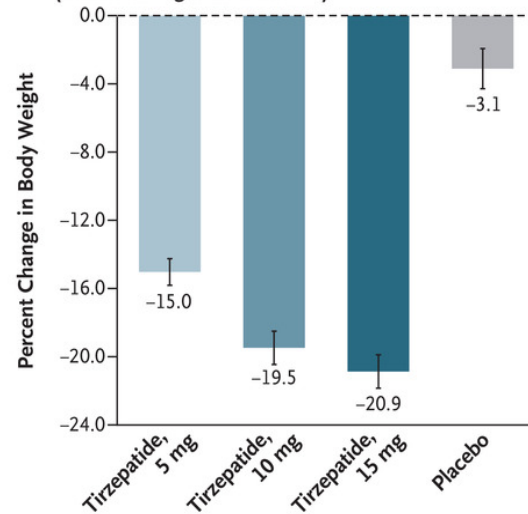
B Change in Body Weight from Wk 0 to Wk 40



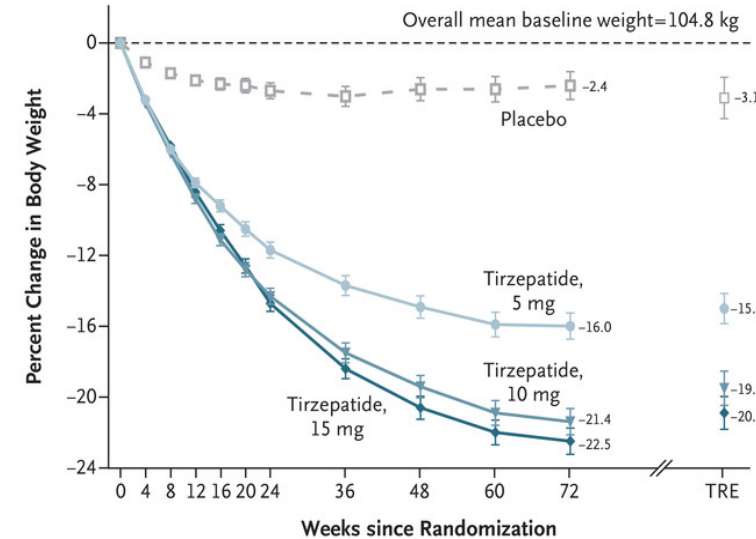
Frias JP et al N Engl J Med 2021; 385:503-515

■ Tirzepatide, 5 mg ■ Tirzepatide, 10 mg ■ Tirzepatide, 15 mg ■ Placebo

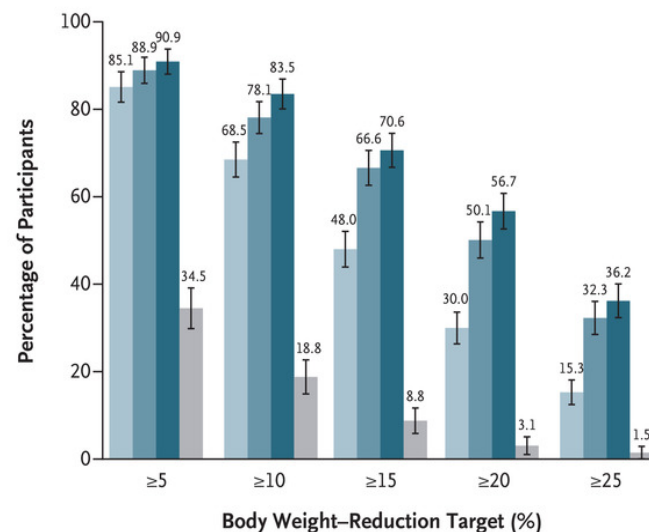
A Overall Percent Change in Body Weight from Baseline (treatment-regimen estimand)



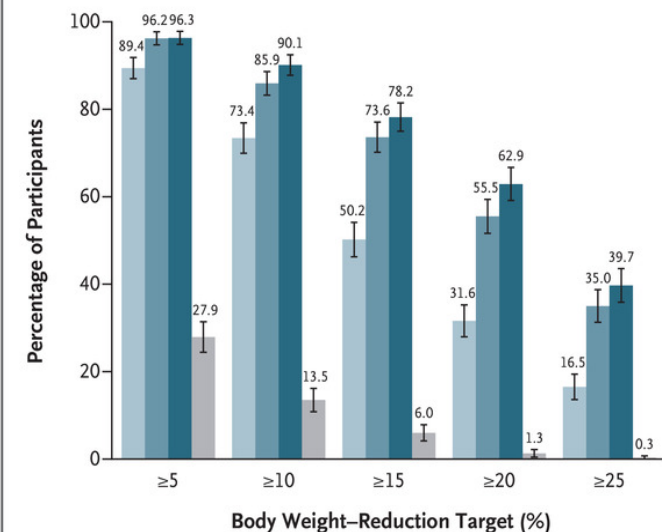
B Percent Change in Body Weight by Week (efficacy estimand)



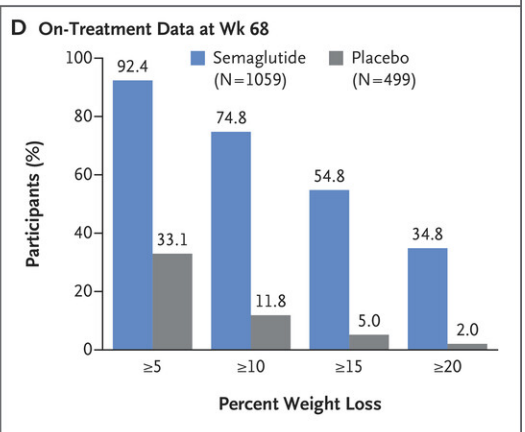
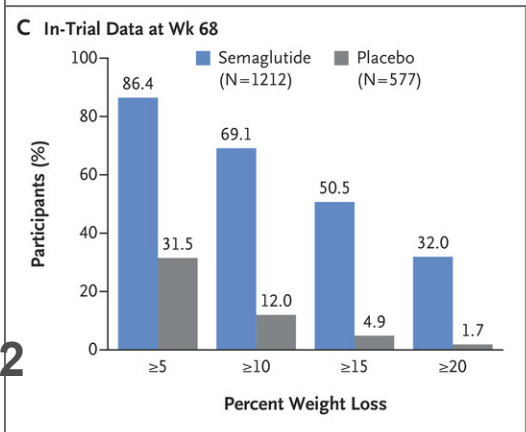
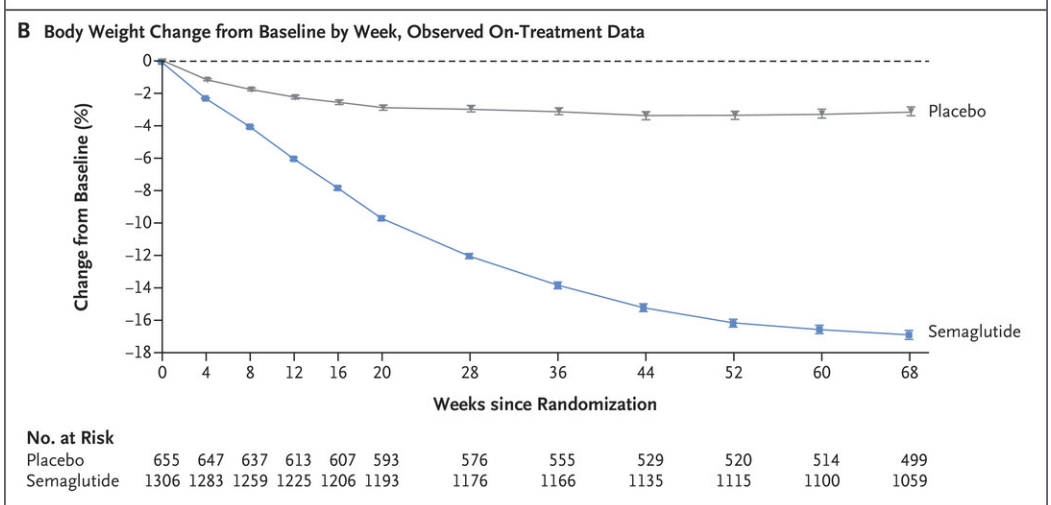
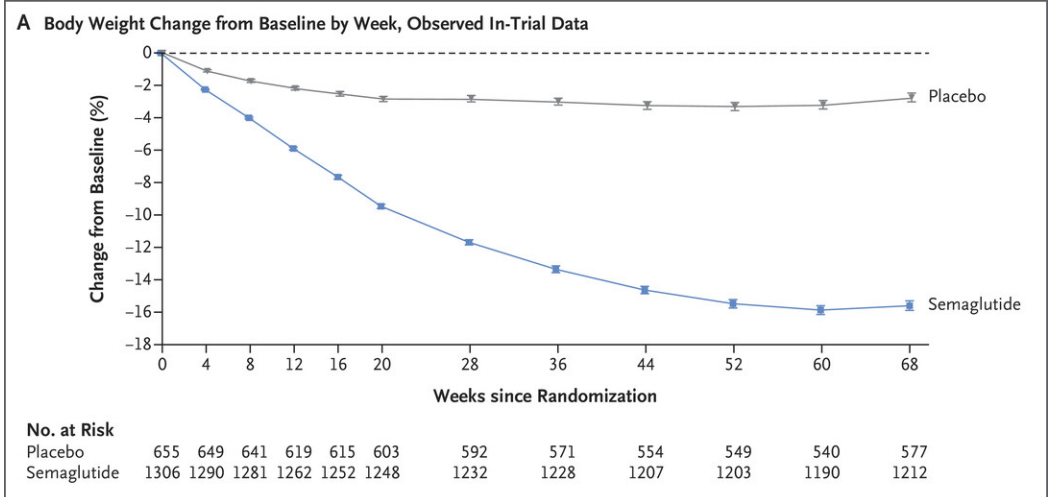
C Participants Who Met Weight-Reduction Targets (treatment-regimen estimand)



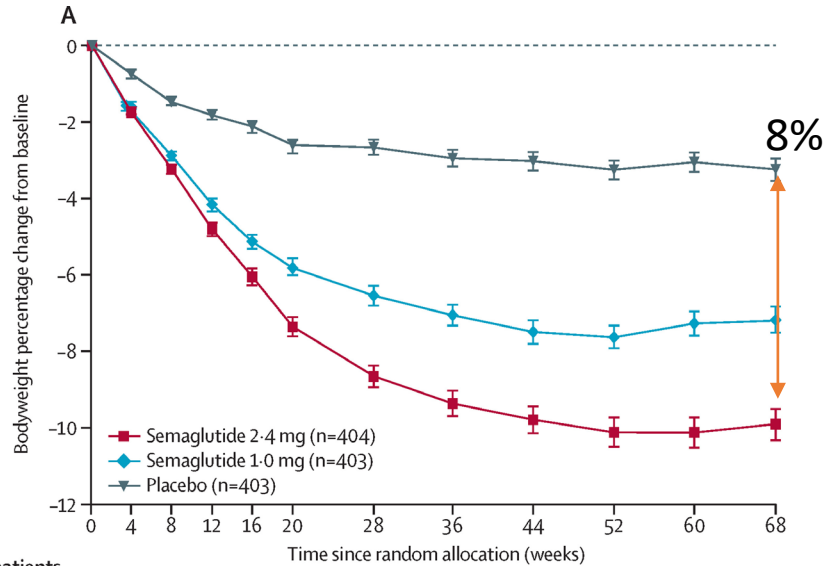
D Participants Who Met Weight-Reduction Targets (efficacy estimand)



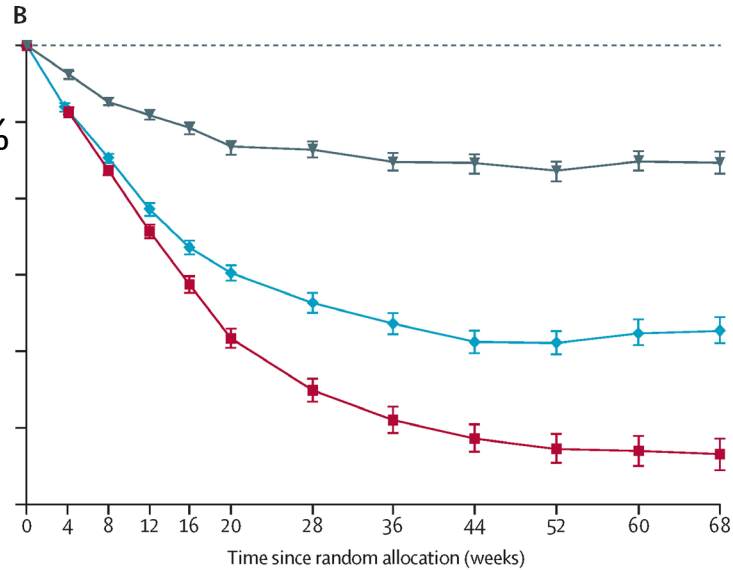
AM Jastreboff et al. 397, P293-304, JANUARY 23, 2021 N Engl J Med 2022.



in-trial observation period

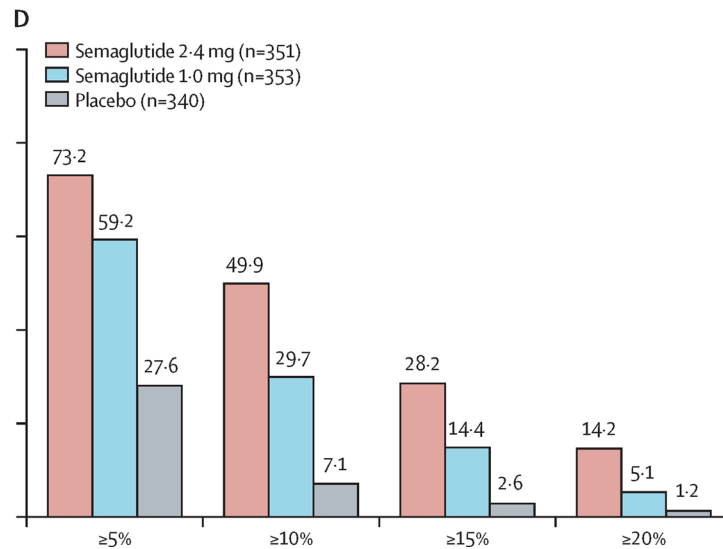
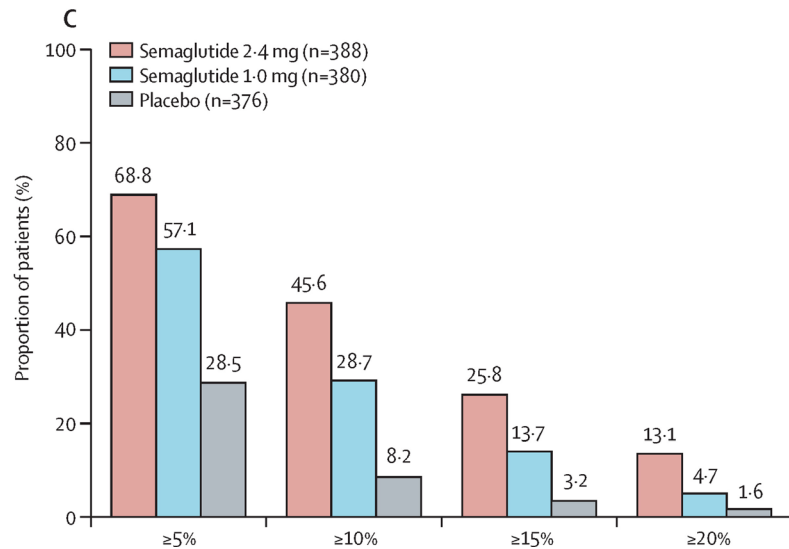


on treatment observation period

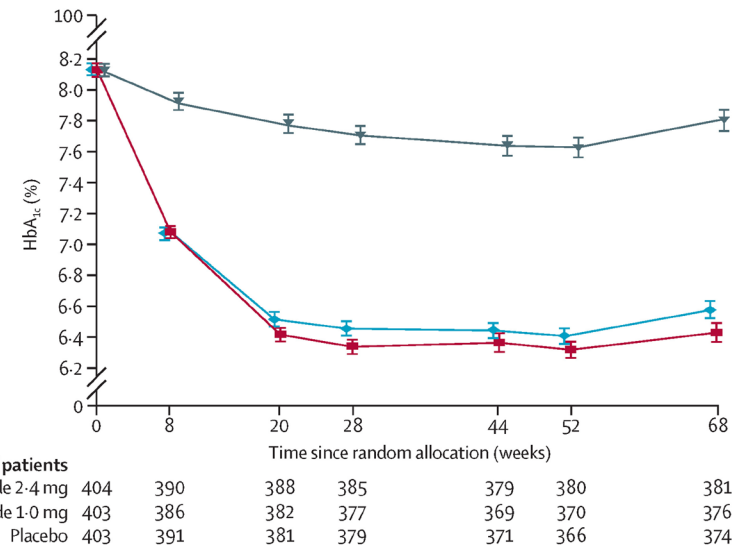


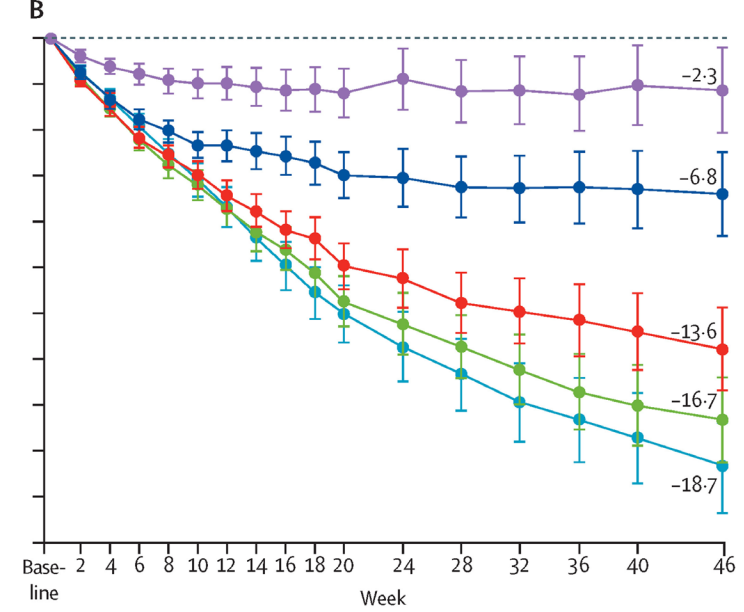
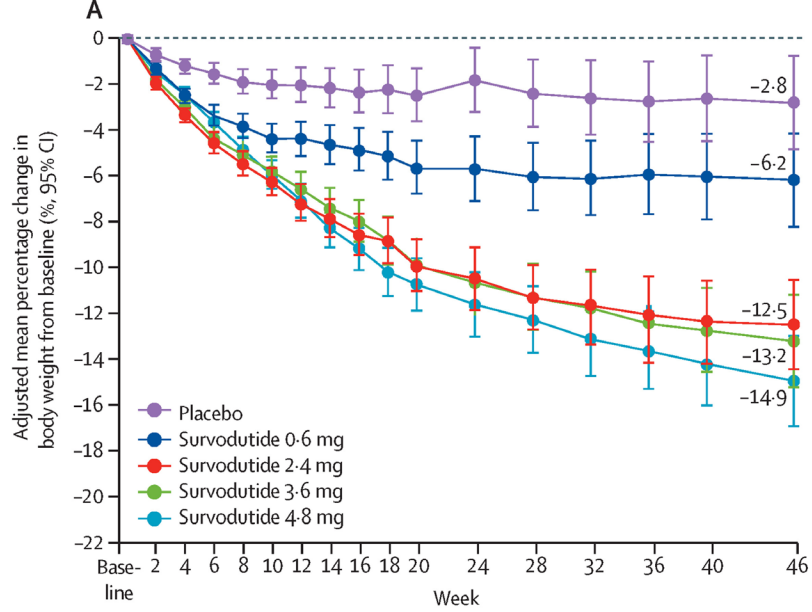
Number of patients

	0	4	8	12	16	20	28	36	44	52	60	68
Semaglutide 2.4 mg	404	395	397	390	388	392	386	383	381	381	378	388
Semaglutide 1.0 mg	403	394	392	385	383	383	378	377	373	370	374	380
Placebo	403	398	394	389	387	383	381	377	371	367	366	376



Semaglutide 2.4 mg once a week in adults with overweight or obesity, and type 2 diabetes (STEP 2): a randomised, double-blind, double-dummy, placebo-controlled, phase 3 trial

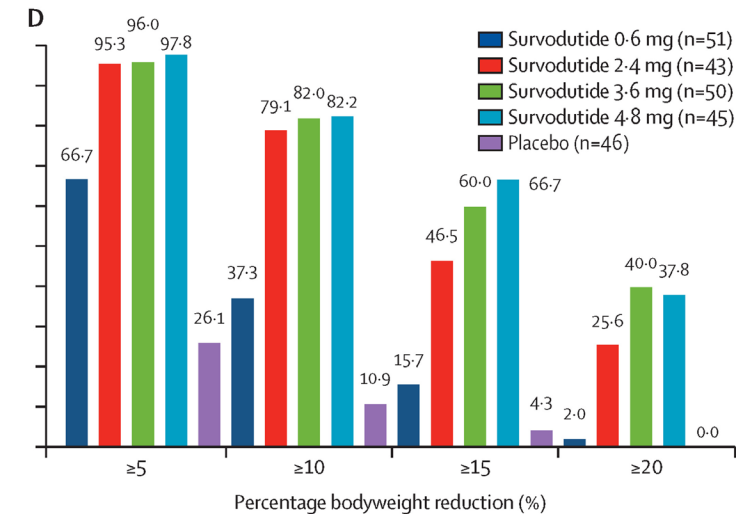
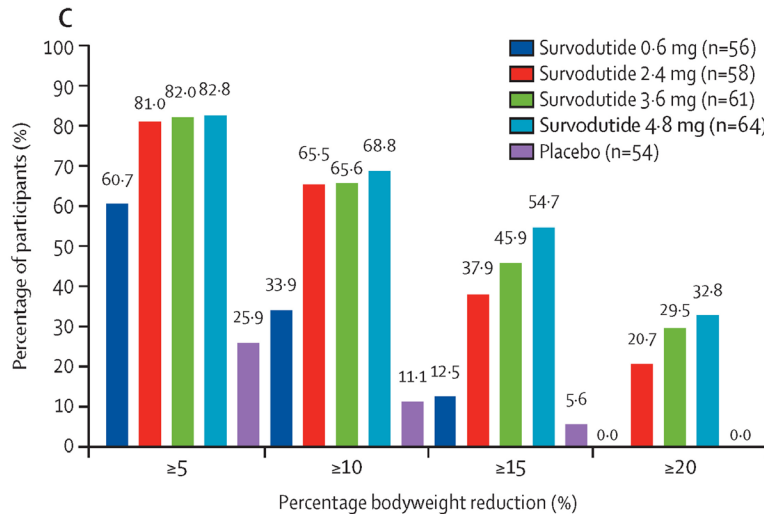




Number of participants

Survodutide 0.6 mg once weekly	76	75	73	71	69	65	63	63	60	59	58	55	52	53	50	52	56
Survodutide 2.4 mg once weekly	78	76	76	72	70	71	64	65	56	65	66	64	64	62	60	58	58
Survodutide 3.6 mg once weekly	76	76	73	75	68	67	64	64	59	64	62	64	60	57	59	58	61
Survodutide 4.8 mg once weekly	76	76	75	75	74	74	70	68	65	62	60	63	60	62	60	58	64
Placebo	77	75	72	72	72	70	65	65	63	62	59	59	56	55	55	54	54

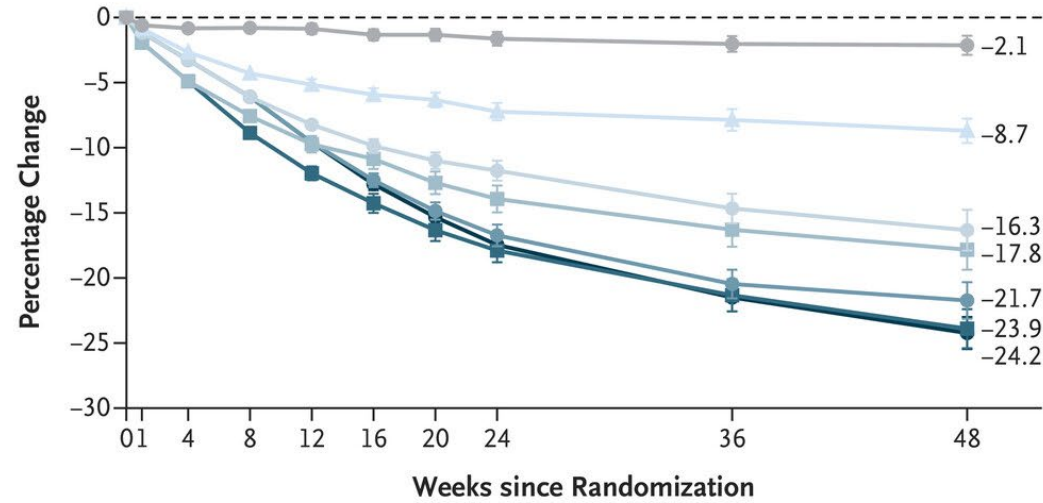
Survodutide 0.6 mg once weekly	88	88	81	79	74	68	67	67	64	63	62	58	54	52	50	50	51
Survodutide 2.4 mg once weekly	92	90	91	88	81	80	68	61	54	57	58	54	53	53	52	47	43
Survodutide 3.6 mg once weekly	71	71	71	71	71	71	70	70	64	64	59	59	57	51	52	50	50
Survodutide 4.8 mg once weekly	54	54	54	54	54	54	53	53	54	53	53	52	50	49	48	47	45
Placebo	76	75	72	72	70	69	64	64	62	60	58	57	53	52	50	48	46



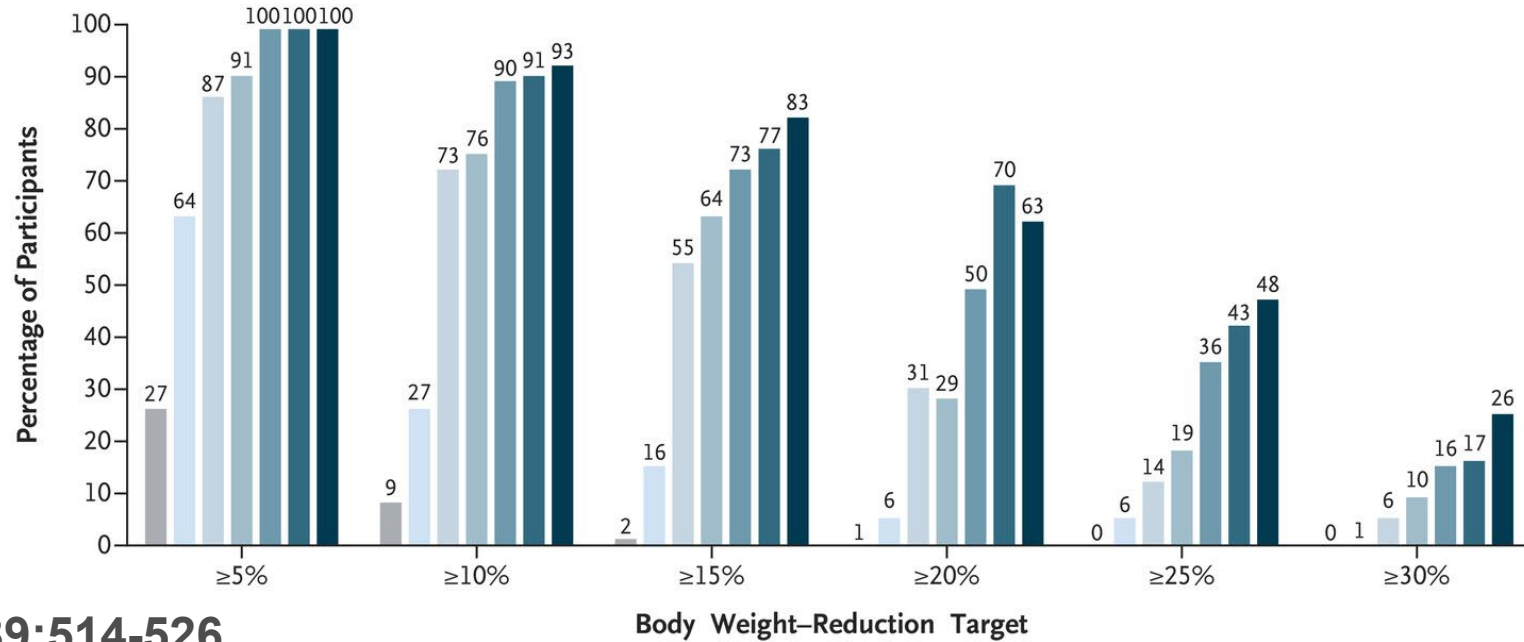
Phase 2 Trial

■ Placebo
 ■ Retatrutide, 1 mg
 ■ Retatrutide, 4 mg (ID, 2 mg)
 ■ Retatrutide, 4 mg (ID, 4 mg)
 ■ Retatrutide, 8 mg (ID, 2 mg)
 ■ Retatrutide, 8 mg (ID, 4 mg)
 ■ Retatrutide, 12 mg (ID, 2 mg)

A Changes in Body Weight



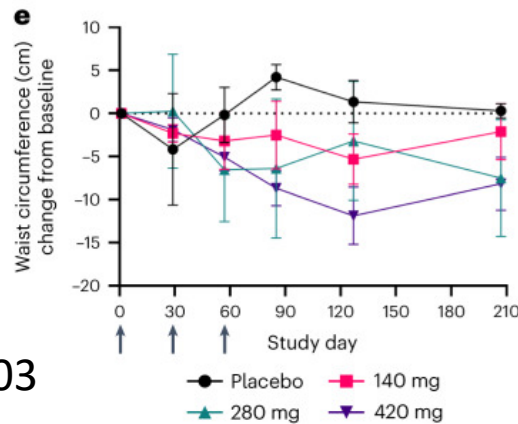
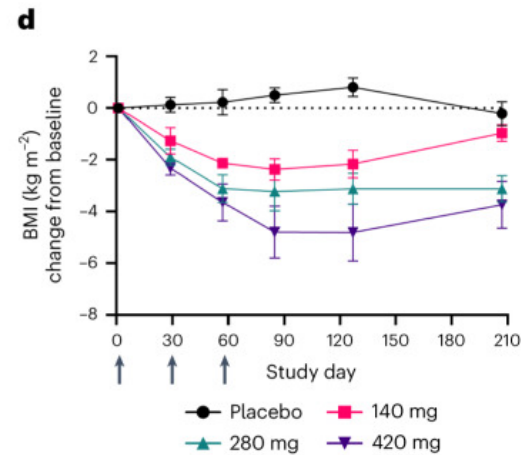
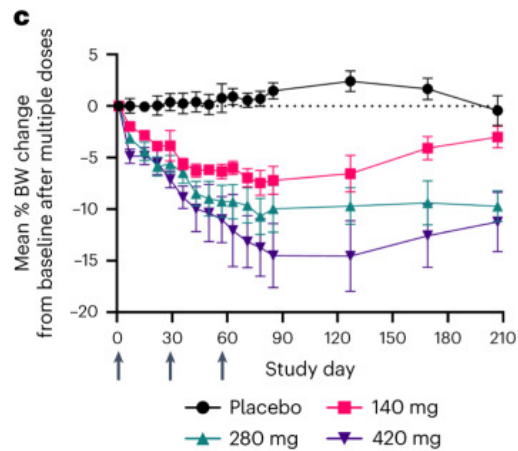
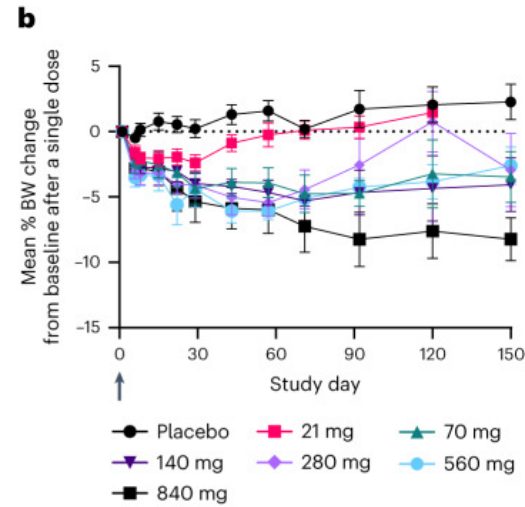
B Attainment of Weight-Reduction Targets



a

Dose (mg)	N	t_{max} (days)		$t_{1/2}$ (days)	
		Intact AMG 133	Total AMG 133	Intact AMG 133	Total AMG 133
21	6	5	5.9	14.3	21
840	6	5.4	5.5	16.5	23.8

Dose (mg)	N	Intact AMG 133		Total AMG 133	
		AUC ₀₋₂₈ (day·μg ml ⁻¹)	AUC ₀₋₂₈ (day·μg ml ⁻¹)	AUC ₀₋₂₈ (day·μg ml ⁻¹)	AUC ₀₋₂₈ (day·μg ml ⁻¹)
140	6	214 (8.7%)	297 (9.3%)		
280	5	443 (29.7%)	599 (21.1%)		
420	3	1,220 (34.3%)	1,610 (37.3%)		

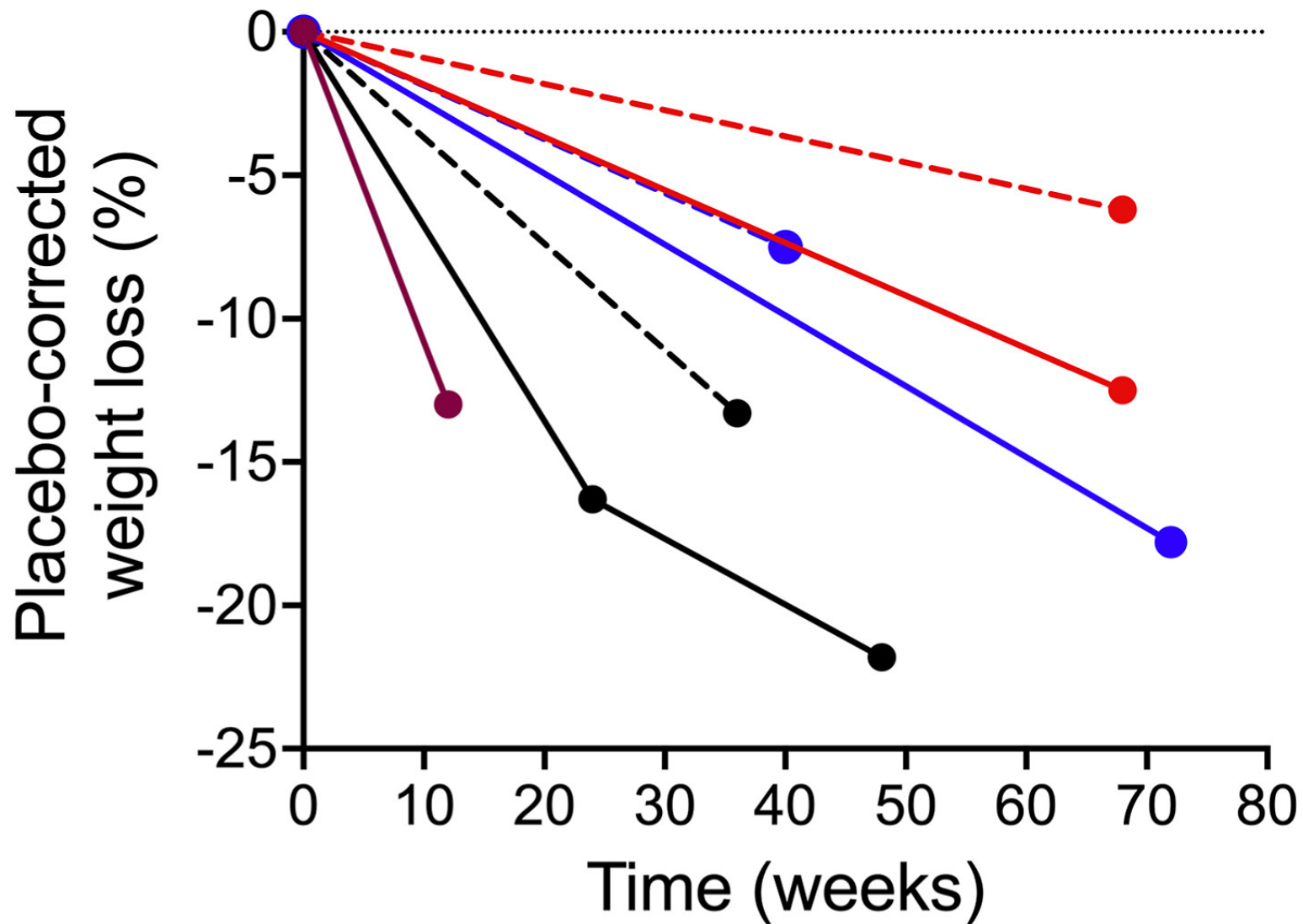


**AMG 133 Amgen
(maridebart
cafraglutide)**

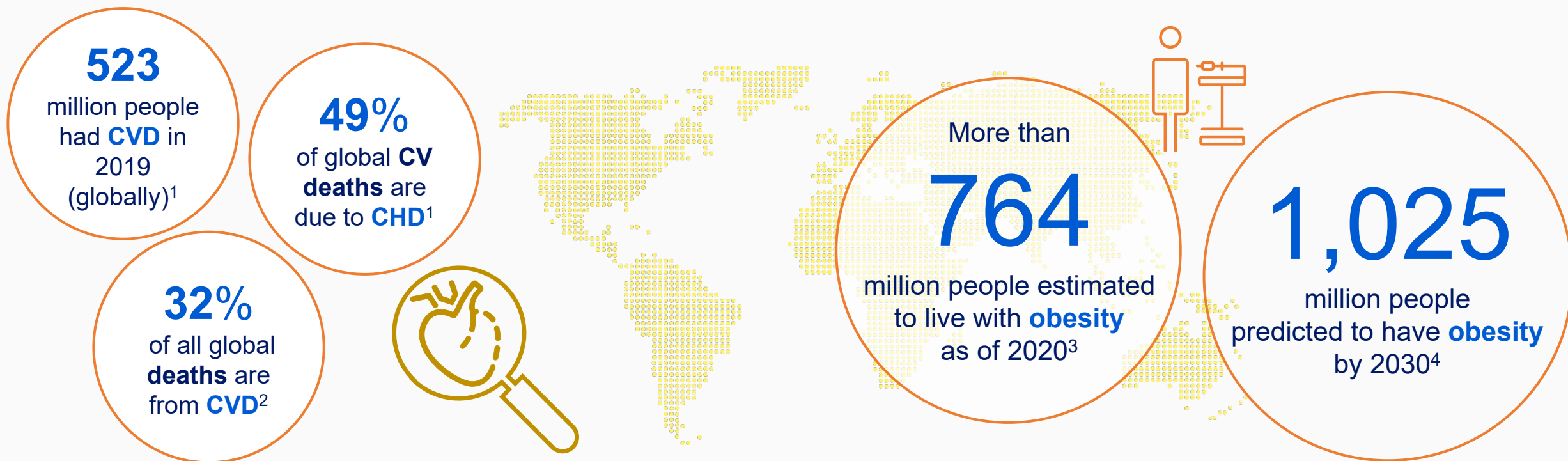
**is a dual GIPR antagonist
and GLP-1R agonist**

**immunoglobulin G1-kappa,
anti-GIPR (gastric inhibitory
polypeptide receptor)
monoclonal antibody**

- Semaglutide 2.4 mg QW
- Retatrutide 8 mg QW
- Tirzepatide 15 mg QW
- AMG 133 420 mg QM



There is an unmet need for therapies that reduce CV events and support weight management



Effective interventions that lower CV events & death in this population are greatly needed!⁵

Conditions included in CVD definition may vary. CHD, coronary heart disease; CV, cardiovascular; CVD, cardiovascular disease.
1. Roth GA et al. J Am Coll Cardiol 2020;76:2982–3021; 2. WHO. Fact sheet – CVDs. Available at: [https://www.who.int/en/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/en/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)). Accessed January 2023; 3. World Obesity Federation. World obesity atlas 2022. Available at: <https://www.worldobesity.org/resources/resource-library/world-obesity-atlas-2022>. Accessed March 2023; 4. World Obesity Federation. World obesity atlas 2022. Available at: <https://www.worldobesity.org/resources/resource-library/world-obesity-atlas-2022>. Accessed January 2023; 5. GBD 2015 Obesity Collaborators. N Engl J Med 2017;377:13–27.

Obesity and cardiovascular disease: an ESC clinical consensus statement

Konstantinos C. Koskinas^{1*†}, Emeline M. Van Craenenbroeck^{2,3*†}, Charalambos Antoniades⁴, Matthias Blüher⁵, Thomas M. Gorter⁶, Henner Hanssen⁷, Nikolaus Marx⁸, Theresa A. McDonagh^{9,10}, Geltrude Mingrone^{11,12}, Annika Rosengren^{13,14}, Eva B. Prescott^{15*‡}, and the ESC Scientific Document Group

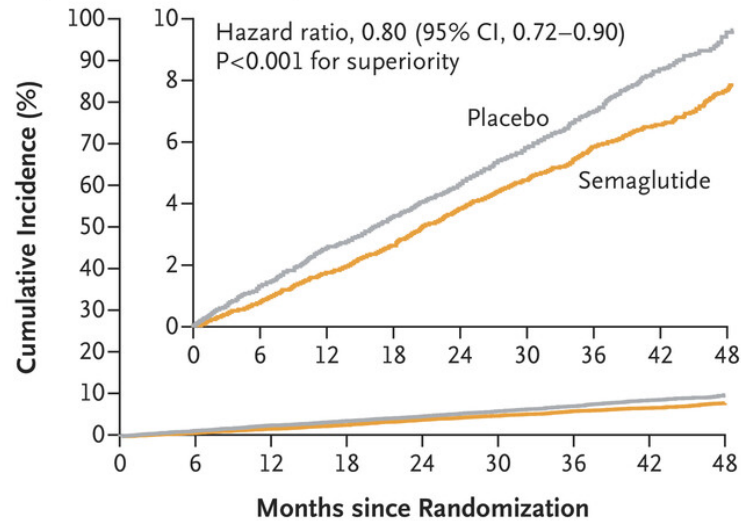
ESC Guidelines recommendations on GLP-1RAs

- Glucose-lowering medications with effects on weight loss (e.g. GLP-1RAs) should be considered in patients with T2DM with overweight or obesity to reduce weight (Class IIa, level of evidence B).⁶¹
- GLP-1RAs with proven CV benefit (liraglutide, semaglutide s.c., dulaglutide, efpeglenatide) are recommended in patients with T2DM and atherosclerotic CVD to reduce CV events, independent of baseline or target HbA1c and independent of concomitant glucose-lowering medication (Class I, level of evidence A).⁶¹
- The GLP-1 RA semaglutide should be considered in overweight (BMI >27 kg/m²) or obese chronic coronary syndrome patients without diabetes to reduce CV mortality, MI, or stroke. (Class IIa, level of evidence B).¹⁵⁵

ESC Guidelines recommendations on bariatric surgery

- Bariatric surgery should be considered for obese high-risk individuals when lifestyle change does not result in maintained weight loss (Class IIa, level of evidence B).⁴²
- Bariatric surgery should be considered for high and very high risk patients with T2DM and BMI ≥35 kg/m² when repetitive and structured efforts of lifestyle changes combined with weight-reducing medications do not result in maintained weight loss (Class IIa, level of evidence B).⁶¹

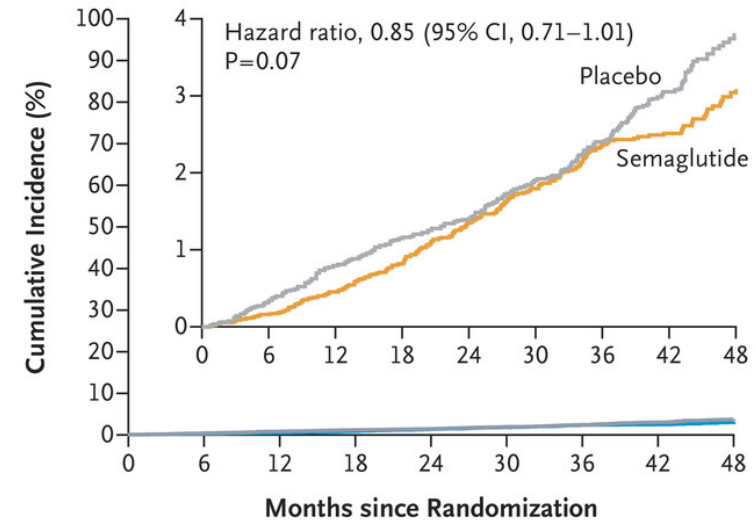
A Primary Cardiovascular Composite End Point



No. at Risk

Placebo	8801	8652	8487	8326	8164	7101	5660	4015	1672
Semaglutide	8803	8695	8561	8427	8254	7229	5777	4126	1734

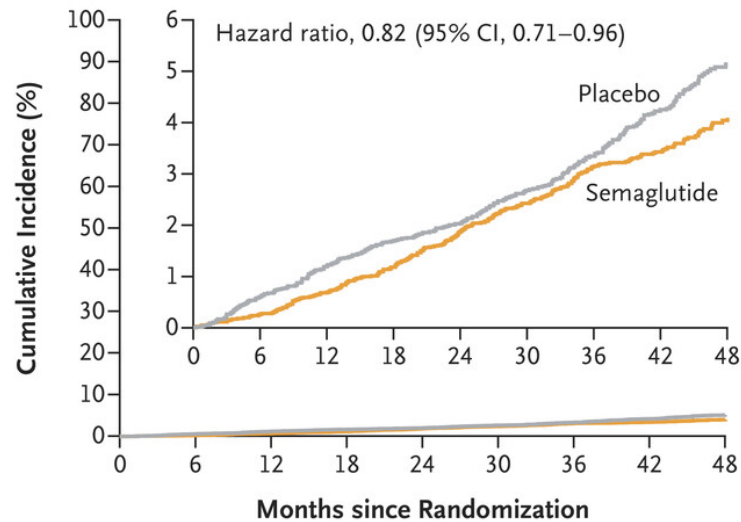
B Death from Cardiovascular Causes



No. at Risk

Placebo	8801	8733	8634	8528	8430	7395	5938	4250	1793
Semaglutide	8803	8748	8673	8584	8465	7452	5988	4315	1832

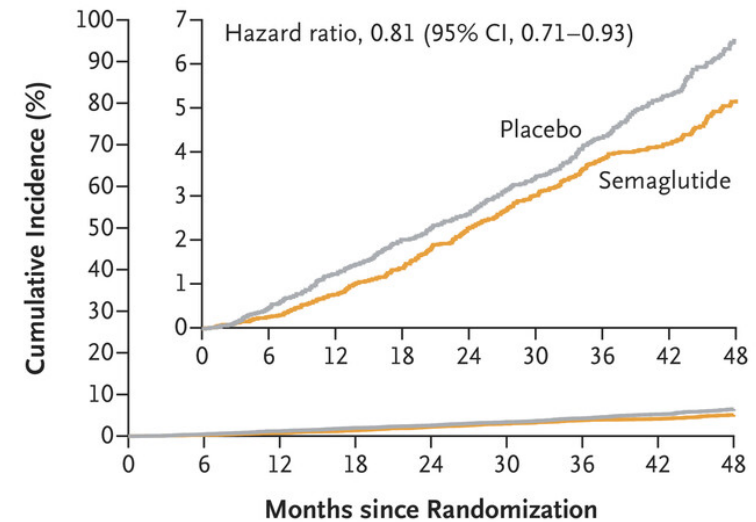
C Heart Failure Composite End Point



No. at Risk

Placebo	8801	8711	8601	8485	8381	7341	5885	4198	1766
Semaglutide	8803	8740	8654	8557	8425	7409	5944	4277	1816

D Death from Any Cause



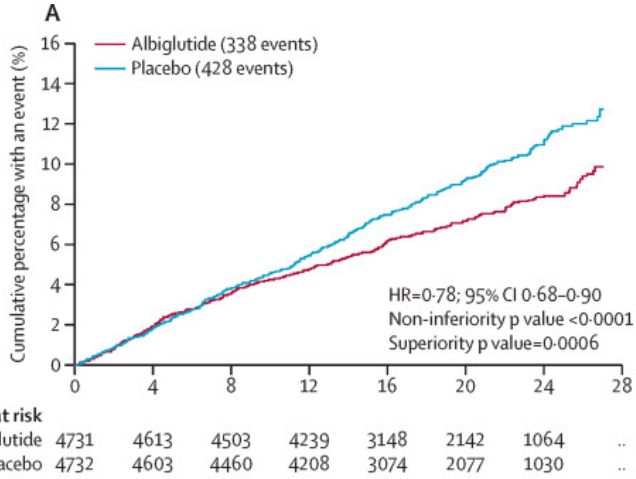
No. at Risk

Placebo	8801	8733	8634	8528	8430	7395	5938	4250	1793
Semaglutide	8803	8748	8673	8584	8465	7452	5988	4315	1832

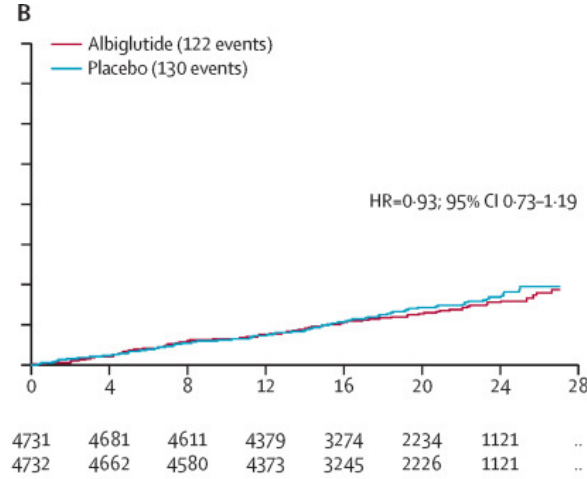
N Engl J Med. 2023
Dec 14;389(24):
2221-2232.

ALBIGLUTIDE

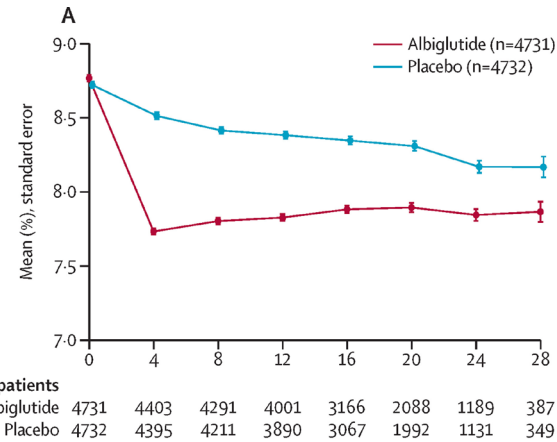
composite of death from cardiovascular causes



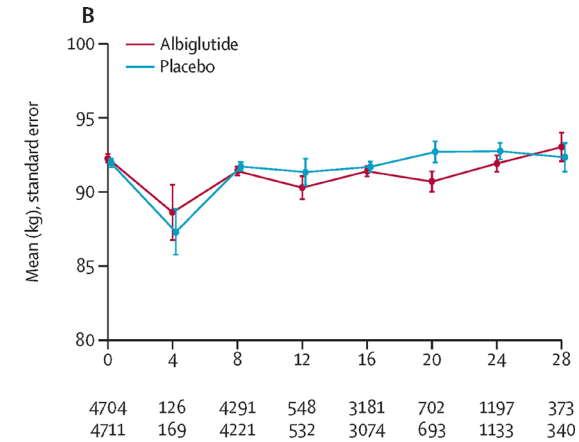
cardiovascular death



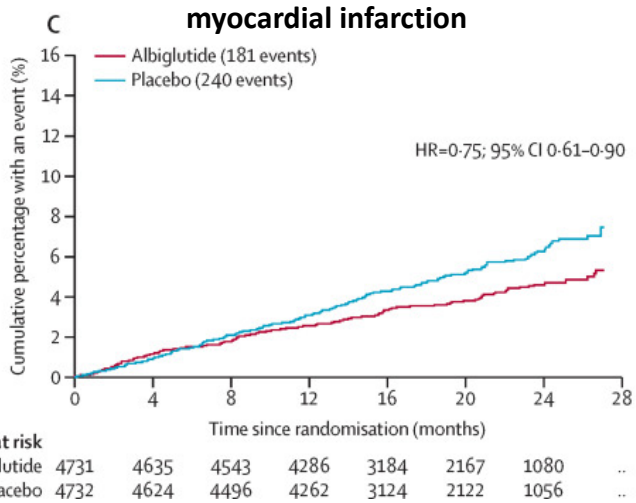
HbA1c



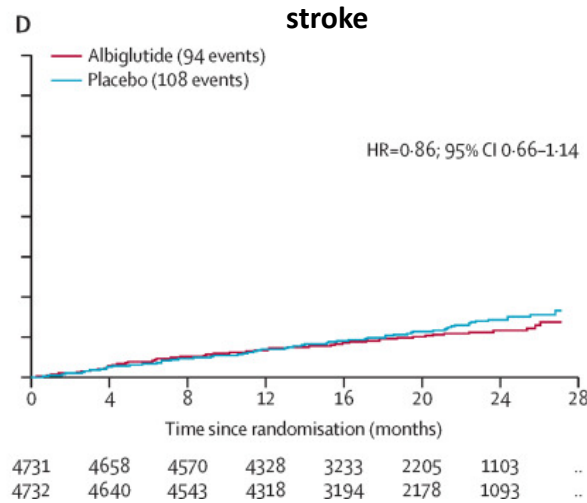
body weight



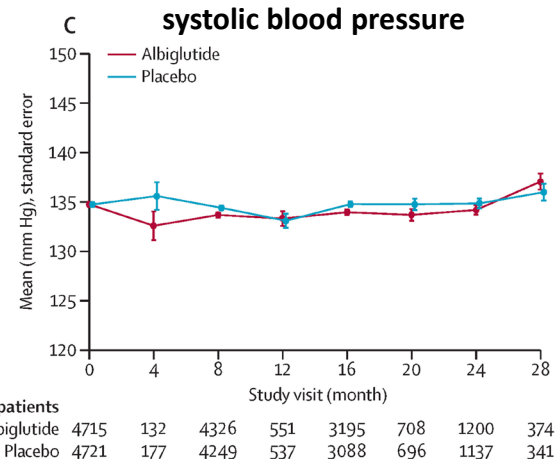
myocardial infarction



stroke



systolic blood pressure



eGFR

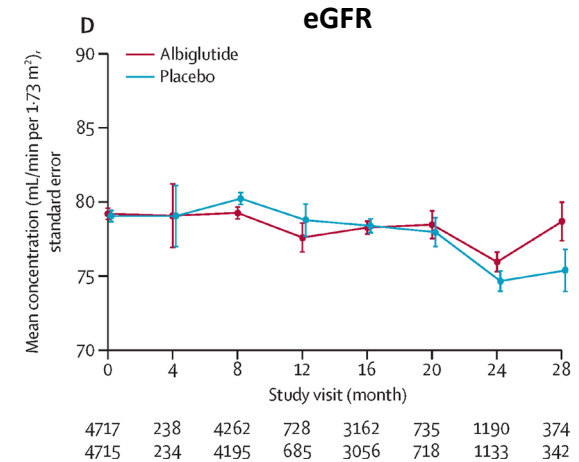


Figure S9 Effect of body weight reduction on HR of GLP-1RAs vs. placebo as for reducing MACE ($\beta = -0.007, P = 0.846$)

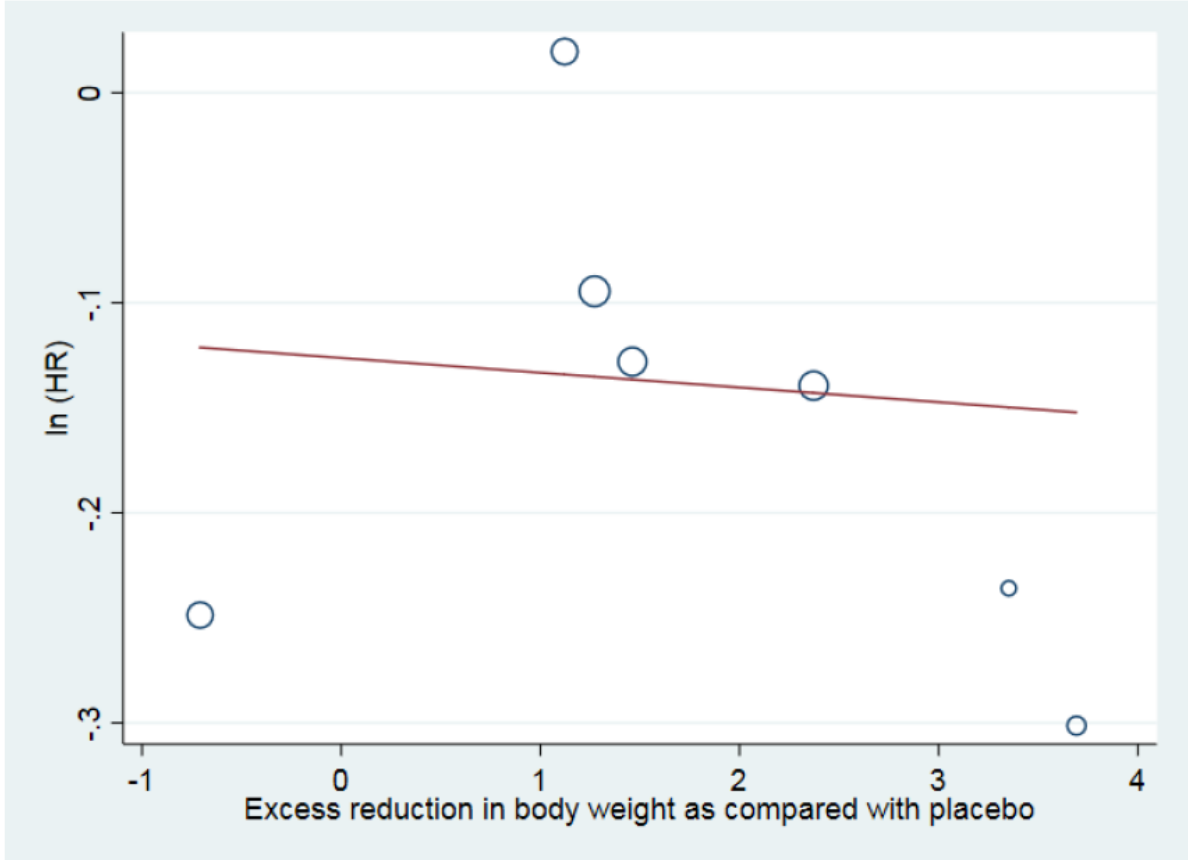
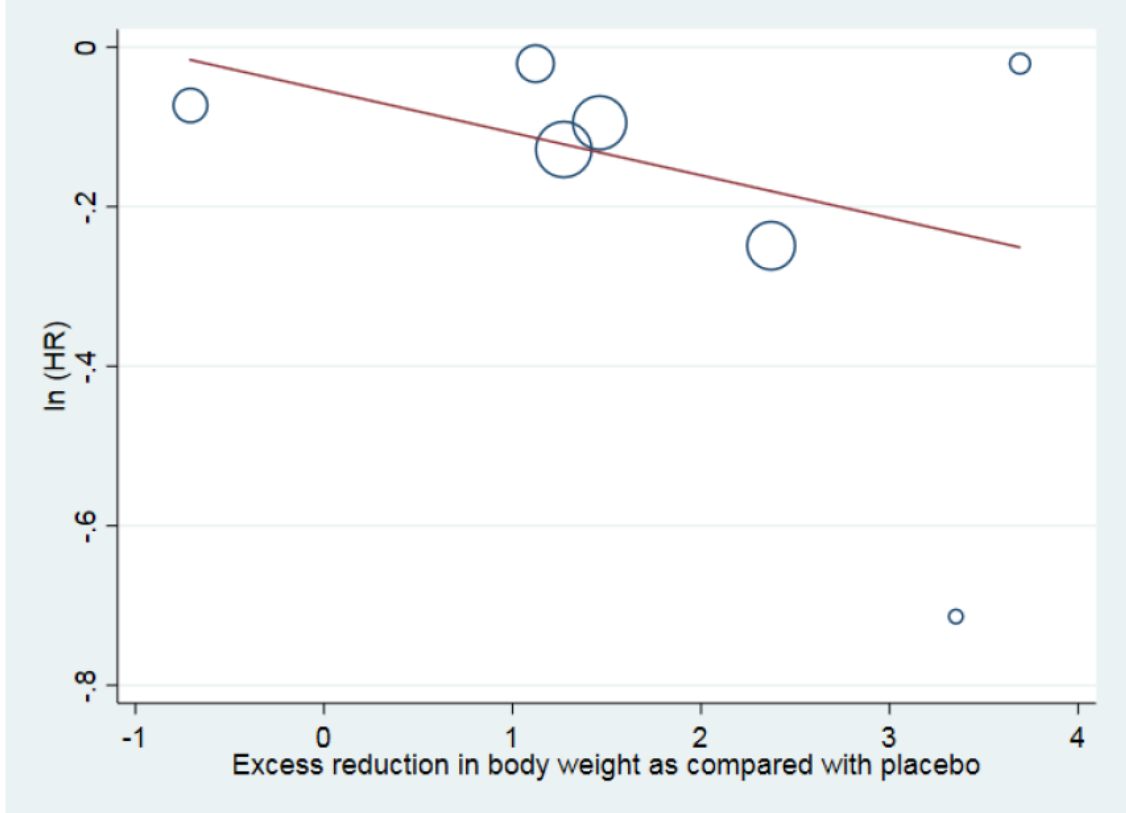


Figure S11 Effect of body weight reduction on HR of GLP-1RAs vs. placebo as for reducing CVD ($\beta = -0.053, P = 0.268$)



A Meta-Analysis with Meta-Regression. Diabetes Ther.
2020 Oct;11(10):2429-2440.

Of an estimated 687,866 patients at an annual 2435 hospitals, 69.9% underwent **SG** and 30.1% **RYGB**, with median costs of **\$10,900** (interquartile range: 8600-14,000) and **\$13,600** (10,300-18,000), respectively.

Am Surg. 2023 Oct;89(10):4061-4065.

COST PER YEAR

	UK	US	Germany	Denmark	Italy
Semaglutide 2.4 mg	\$ 3693	\$ 16234	\$ 3918	\$ 4380	\$ 5105
Tirzepatide 15 mg	\$ 2875	\$ 12829	\$ 3337		\$ 8602

Tirzepatide versus Semaglutide Once Weekly in Patients with Type 2 Diabetes

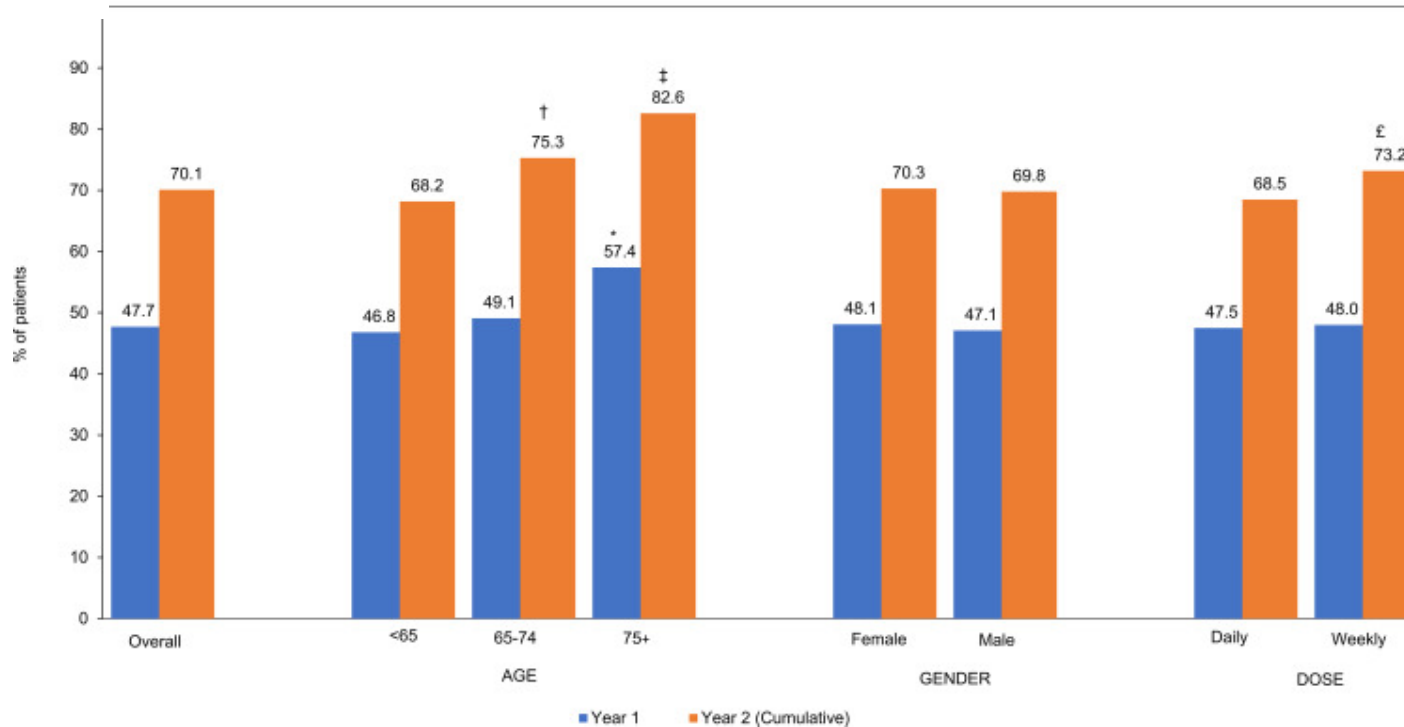
Table 2. Adverse Events and Safety.*

Event	Tirzepatide						Semaglutide		Total (N = 1878)	
	5 mg (N = 470)		10 mg (N = 469)		15 mg (N = 470)		1 mg (N = 469)		No. of patients (%)	No. of events
	No. of patients (%)	No. of events	No. of patients (%)	No. of events	No. of patients (%)	No. of events	No. of patients (%)	No. of events		
Patients with ≥1 adverse event	299 (63.6)	—	322 (68.7)	—	324 (68.9)	—	301 (64.2)	—	1246 (66.3)	—
Patients with ≥1 serious adverse event	33 (7.0)	—	25 (5.3)	—	27 (5.7)	—	13 (2.8)	—	98 (5.2)	—
Death†	4 (0.9)	—	4 (0.9)	—	4 (0.9)	—	1 (0.2)	—	13 (0.7)	—
Adverse events leading to discontinuation of tirzepatide or semaglutide	28 (6.0)	—	40 (8.5)	—	40 (8.5)	—	19 (4.1)	—	127 (6.8)	—
Adverse events occurring in ≥0.2% of the overall population (i.e., 3 patients) and leading to discontinuation of tirzepatide or semaglutide										
Nausea	6 (1.3)	—	7 (1.5)	—	4 (0.9)	—	4 (0.9)	—	21 (1.1)	—
Vomiting	1 (0.2)	—	4 (0.9)	—	4 (0.9)	—	3 (0.6)	—	12 (0.6)	—
Diarhea	1 (0.2)	—	3 (0.6)	—	6 (1.3)	—	1 (0.2)	—	11 (0.6)	—
Abdominal pain	2 (0.4)	—	1 (0.2)	—	2 (0.4)	—	4 (0.9)	—	9 (0.5)	—
Dyspepsia	2 (0.4)	—	1 (0.2)	—	2 (0.4)	—	0	—	5 (0.3)	—
Decreased appetite	1 (0.2)	—	2 (0.4)	—	2 (0.4)	—	0	—	5 (0.3)	—
Fatigue	1 (0.2)	—	1 (0.2)	—	1 (0.2)	—	1 (0.2)	—	4 (0.2)	—
Elevated blood calcitonin level	1 (0.2)	—	1 (0.2)	—	1 (0.2)	—	0	—	3 (0.2)	—
Constipation	0	—	2 (0.4)	—	0	—	1 (0.2)	—	3 (0.2)	—
Covid-19-related pneumonia	1 (0.2)	—	1 (0.2)	—	0	—	1 (0.2)	—	3 (0.2)	—
Injection-site reaction	0	—	2 (0.4)	—	1 (0.2)	—	0	—	3 (0.2)	—
Nausea	82 (17.4)	111	90 (19.2)	124	104 (22.1)	136	84 (17.9)	126	360 (19.2)	497
Diarhea	62 (13.2)	120	77 (16.4)	99	65 (13.8)	102	54 (11.5)	68	258 (13.7)	389
Vomiting	27 (5.7)	35	40 (8.5)	56	46 (9.8)	61	39 (8.3)	53	152 (8.1)	205
Dyspepsia	34 (7.2)	—	29 (6.2)	—	43 (9.1)	—	31 (6.6)	—	137 (7.3)	—
Decreased appetite	35 (7.4)	—	34 (7.2)	—	42 (8.9)	—	25 (5.3)	—	136 (7.2)	—
Constipation	32 (6.8)	—	21 (4.5)	—	21 (4.5)	—	27 (5.8)	—	101 (5.4)	—
Abdominal pain	14 (3.0)	—	21 (4.5)	—	24 (5.1)	—	24 (5.1)	—	83 (4.4)	—
All gastrointestinal adverse events	188 (40.0)	—	216 (46.1)	—	211 (44.9)	—	193 (41.2)	—	808 (43.0)	—
Other adverse events										
Hypoglycemia, blood glucose level <54 mg/dl	3 (0.6)	3	1 (0.2)	2	8 (1.7)	10	2 (0.4)	2	14 (0.7)	17
Severe hypoglycemia	1 (0.2)	1	0	0	1 (0.2)‡	1‡	0	0	2 (0.1)	2
Injection-site reaction	9 (1.9)	—	13 (2.8)	—	21 (4.5)	—	1 (0.2)	—	44 (2.3)	—
Adjudicated pancreatitis	0	—	2 (0.4)	—	2 (0.4)	—	3 (0.6)	—	7 (0.4)	—
Cholelithiasis	4 (0.9)	—	4 (0.9)	—	4 (0.9)	—	2 (0.4)	—	14 (0.7)	—
Hypersensitivity§	9 (1.9)	—	13 (2.8)	—	8 (1.7)	—	11 (2.3)	—	41 (2.2)	—
Diabetic retinopathy¶	0	—	2 (0.4)	—	0	—	0	—	2 (0.1)	—

Tracey Weiss¹
Richard D Carr^{2,3}
Sampriti Pal⁴
Lingfeng Yang¹
Baanie Sawhney^{1,4}
Robert Boggs¹
Swapnil Rajpathak¹
Kristy Iglay¹

¹Center for Observational and Real-World Evidence, Merck & Co., Inc, Kenilworth, NJ, 07033, USA; ²Global Medical Affairs, Merck Sharp & Dohme Limited (MSD), Hoddesdon, EN11 9BU, UK; ³Hatter Cardiovascular Institute, University College London, London, WC1E 6HX, UK; ⁴Real-World Evidence, Complete HEOR Solutions (CHEORS), Pennsylvania, PA, 19454, USA

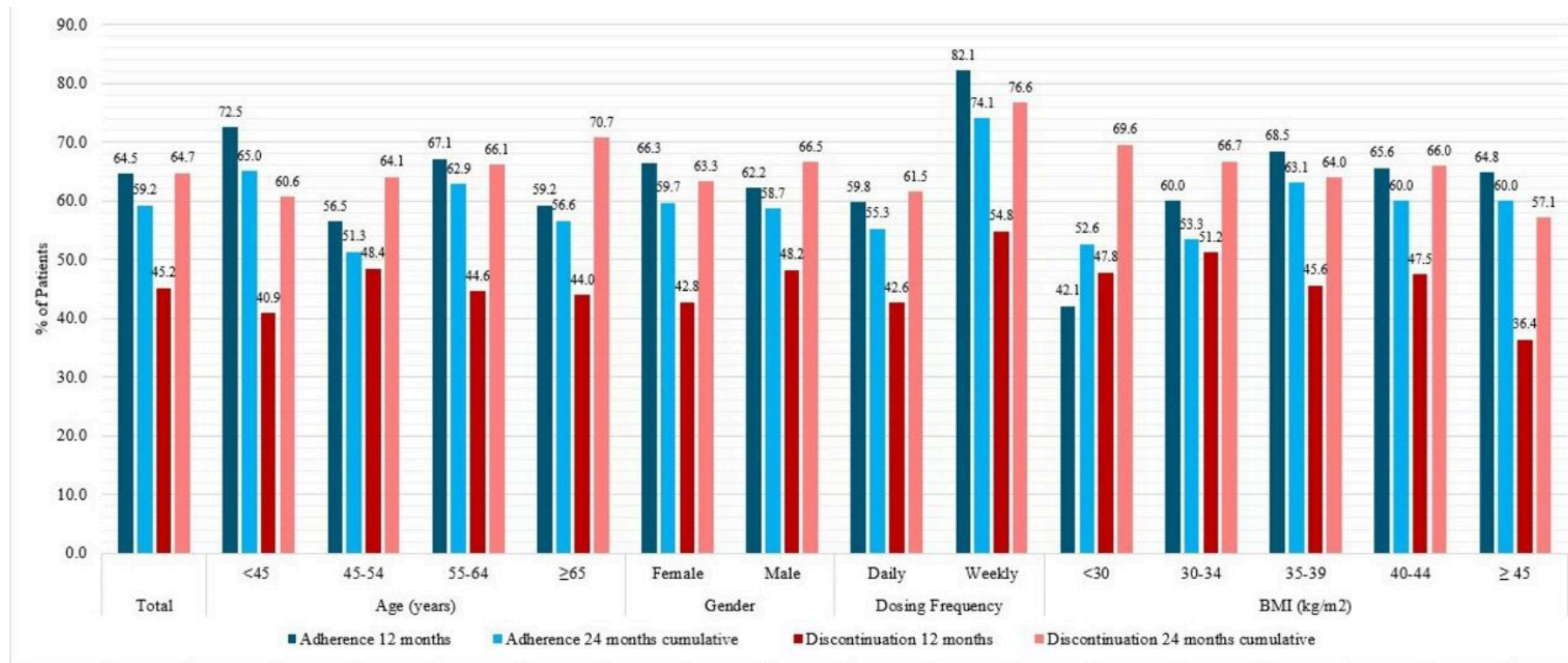
Real-World Adherence and Discontinuation of Glucagon-Like Peptide-1 Receptor Agonists Therapy in Type 2 Diabetes Mellitus Patients in the United States



Proportion of Patients Who Discontinued GLP-1 RA Therapy, n=4791.

A total of 4791 T2DM patients had ≥ 1 and 3907 had ≥ 2 GLP-1 RA prescription claims. **50.9% and 47.4% of patients were adherent at 12 and 24 months, respectively.**

Per cent of patients who were adherent to (n=530)† and discontinued (n=589) GLP-1 RA therapy at 12 and 24 months. †Adherence assessed among patients with two or more GLP-1 RA prescriptions. UNITED STATES



“A minority of patients initiating GLP-1 RAs achieved $\geq 5\%$ weight loss, suggesting the real-world benefit of these agents on weight loss may be lower than that observed in clinical trials. Patients on GLP-1 RAs may benefit from additional support to improve long-term adherence.”

CONCLUSIONS

GLP-1 receptor agonists (GLP-1 RAs), along with dual GLP-1 and GIP receptor agonists, and triple agonists targeting GIP, GLP-1, and glucagon receptors, have been shown to significantly reduce appetite and enhance feelings of satiety, resulting in high weight loss.

The weight loss effect is generally more pronounced in individuals with obesity alone compared to those with both obesity and type 2 diabetes. However, despite the difference in weight loss, their impact on glycemic control in individuals with type 2 diabetes appears to be largely independent of weight reduction. Even with less pronounced weight loss, these agents still achieve substantial reductions in glycated hemoglobin (HbA1c), highlighting their potent glucose-lowering effects.

In addition, certain GLP-1 RAs, such as semaglutide (at a dose of 2.4 mg) and albiglutide, demonstrate benefits that extend beyond weight loss. These molecules appear to exert a direct cardioprotective effect, acting on the heart and arteries, further supporting their role in reducing cardiovascular risks in patients with obesity and diabetes. This suggests that the therapeutic advantages of these agents encompass both metabolic and cardiovascular improvements, making them highly valuable in managing these conditions.



SICOB EVENTI

6 - 7 MARZO 2025



RESP. SCIENTIFICI **LUIGI ANGRISANI**



MARIO MUSELLA



VINCENZO PILONE

NAPOLI, 6 - 7 MARZO 2025

1° INTERNATIONAL BARIATRIC MEETING

**Bariatric Surgery and Pharmacological approach
to Morbid Obesity: An open debate**

Grazie