

COVID-19
Community of
Practice for Ontario
Family Physicians

June 7, 2024

Dr. Daniel Warshafsky
Dr. Neil Naik



*Infectious Disease and
Management of Obesity*



Family & Community Medicine
UNIVERSITY OF TORONTO

Ontario College of
Family Physicians



Infectious Disease and Management of Obesity

Moderator:

- Dr. Ali Damji, Mississauga, ON

Panelists:

- Dr. Daniel Warshafsky, Toronto, ON
- Dr. Neil Naik, Waterloo, ON

Host:

- Dr. Mekalai Kumanan, Cambridge, ON

The COVID-19 Community of Practice for Ontario Family Physicians is a one-credit-per-hour Group Learning program that has been certified for up to a total of 32 credits.

Land Acknowledgement

We acknowledge that the lands on which we are hosting this meeting include the traditional territories of many nations.

The OCFP and DFCM recognizes that the many injustices experienced by the Indigenous Peoples of what we now call Canada continue to affect their health and well-being. The OCFP and DFCM respects that Indigenous people have rich cultural and traditional practices that have been known to improve health outcomes.

I invite all of us to reflect on the territories you are calling in from as we commit ourselves to gaining knowledge; forging a new, culturally safe relationship; and contributing to reconciliation.



Huron Natural Reserve

Changing the way we work

A community of practice for family physicians during COVID-19

At the conclusion of this series participants will be able to:

- Identify the current best practices for delivery of primary care within the context of COVID-19 and how to incorporate into practice.
- Describe point-of-care resources and tools available to guide decision making and plan of care.
- Connect with a community of family physicians to identify practical solutions for their primary care practice under current conditions.

Disclosure of Financial Support

This CPD program has received in-kind support from the Ontario College of Family Physicians and the Department of Family and Community Medicine, University of Toronto in the form of logistical and promotional support.

Potential for conflict(s) of interest:

N/A

Mitigating Potential Bias

- The Scientific Planning Committee has full control over the choice of topics/speakers.
- Content has been developed according to the standards and expectations of the Mainpro+ certification program.
- The program content was reviewed by a three-member national/scientific planning committee.

Planning Committee: Dr. Mekalai Kumanan (OCFP), Dr. Ali Damji (DFCM), Dr. Eleanor Colledge (DFCM), Dr. Harry O'Halloran, Julia Galbraith (OCFP), Pavethra Yogeswaran (OCFP), Marisa Schwartz (DFCM), Erin Plenert (DFCM)

Previous webinars & related resources:

<https://www.dfc.utoronto.ca/covid-19-community-practice/past-sessions>



Dr. Daniel Warshafsky – Panelist

Associate Chief Medical Officer of Health at the Office of the Chief Medical Officer of Health



Dr. Neil Naik – Panelist

Assistant Clinical Professor, University of Waterloo; Family Physician, Waterloo, Ontario



Dr. Mekalai Kumanan – Host

Twitter: @MKumananMD

President, Ontario College of Family Physicians
Family Physician, Two Rivers Family Health Team

Speaker Disclosure

- Faculty Name: **Dr. Neil Naik**
- Relationships with financial sponsors:
 - **Grants/Research Support:** N/A
 - **Speakers Bureau/Honoraria:** Ontario College of Family Physicians, Baysil Inc, Amgen, Pfizer, Abbott, Novo Nordisk, AstraZeneca, Boehringer-Ingelheim, Canada Health Infoway, eHealth Centre for Excellence, McMaster University, OHIP, Kenota Health, Kitchener-Waterloo Academy of Medicine, Cancer Care in the Waterloo Wellington Region, Lush Woodcraft, The Canadian Collaborative Research Network (“CCRN”), Bayer, Chillwall AI, University of Waterloo, Topology Health, Khure Health, Ontario Health
 - **Advisory boards:** Amgen, Pfizer, Aralez, Abbott, Abbvie, AstraZeneca, Boehringer-Ingelheim, Eli Lilly, COVIS, eHealth Centre for Excellence, KW4 Primary Care Council, Canada-Africa Community Health Alliance, Waterloo Integrated Renal Program Council, Online Appointment Booking Provincial Advisory Committee, Lupin Pharmaceutical, Waterloo-Wellington Therapeutic Endoscopy Committee, Ontario Medical Laboratory Network for Connected Care, Ontario Primary Care Council
 - **Others:** Cloud Dx, Alphabet, Apple, Qualcomm, Johnson & Johnson, Aetna Insurance, RGAX Insurance, LSK Technologies, HealthTii Inc, Communitech, KW4 Ontario Health Team, Grand River Hospital Foundation, Orion Biotechnology, Glucoin, Sunlife Insurance, SanctuaryAI, AIoT, Bird&be, Tactico, FluidAI, FirstHx, Grand River Hospital Foundation, Canada Africa Community Health Alliance (CACHA), Intellijoint

Speaker Disclosure

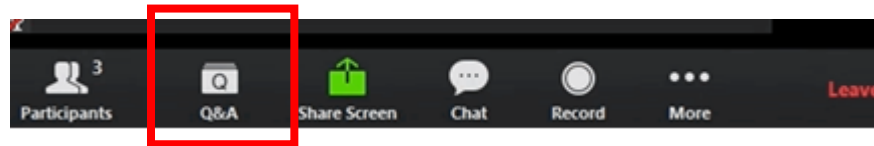
- Faculty Name: **Dr. Mekalai Kumanan**
- Relationships with financial sponsors:
 - Grants/Research Support: N/A
 - Speakers Bureau/Honoraria: Ontario College of Family Physicians
 - Others: N/A

- Faculty Name: **Dr. Daniel Warshafsky**
- Relationships with financial sponsors:
 - Grants/Research Support: N/A
 - Speakers Bureau/Honoraria: N/A
 - Others: N/A

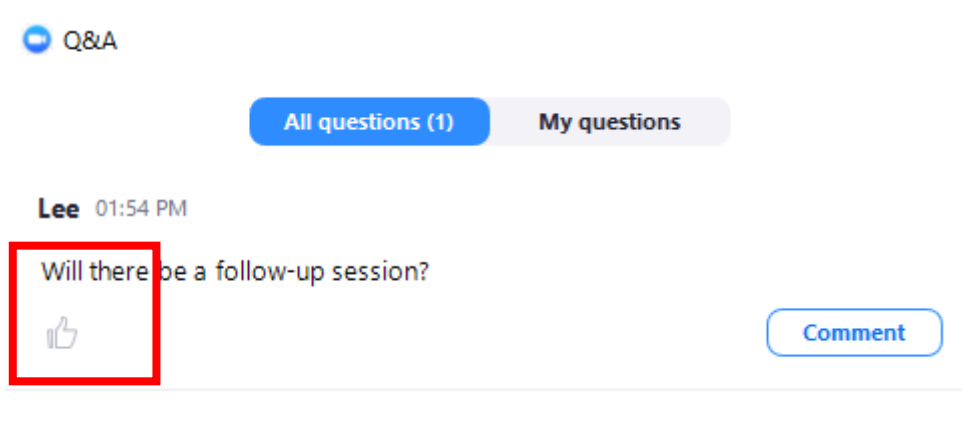
- Faculty Name: **Dr. Ali Damji**
- Relationships with financial sponsors:
 - Grants/Research Support: N/A
 - Speakers Bureau/Honoraria: Ontario College of Family Physicians
 - Others: N/A

How to Participate

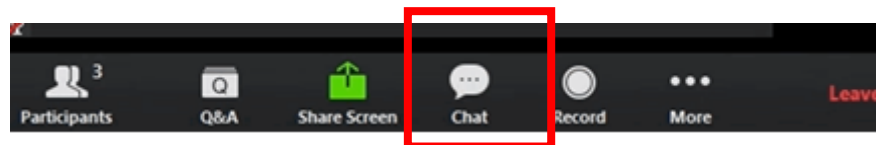
- All questions should be asked using the Q&A function at the bottom of your screen.



- Press the thumbs up button to upvote another guest's questions. Upvote a question if you want to ask a similar question or want to see a guest's question go to the top and catch the panels attention.



- Please use the chat box for networking purposes only.





Dr. Daniel Warshafsky – Panelist

Associate Chief Medical Officer of Health at the Office of the Chief Medical Officer of Health

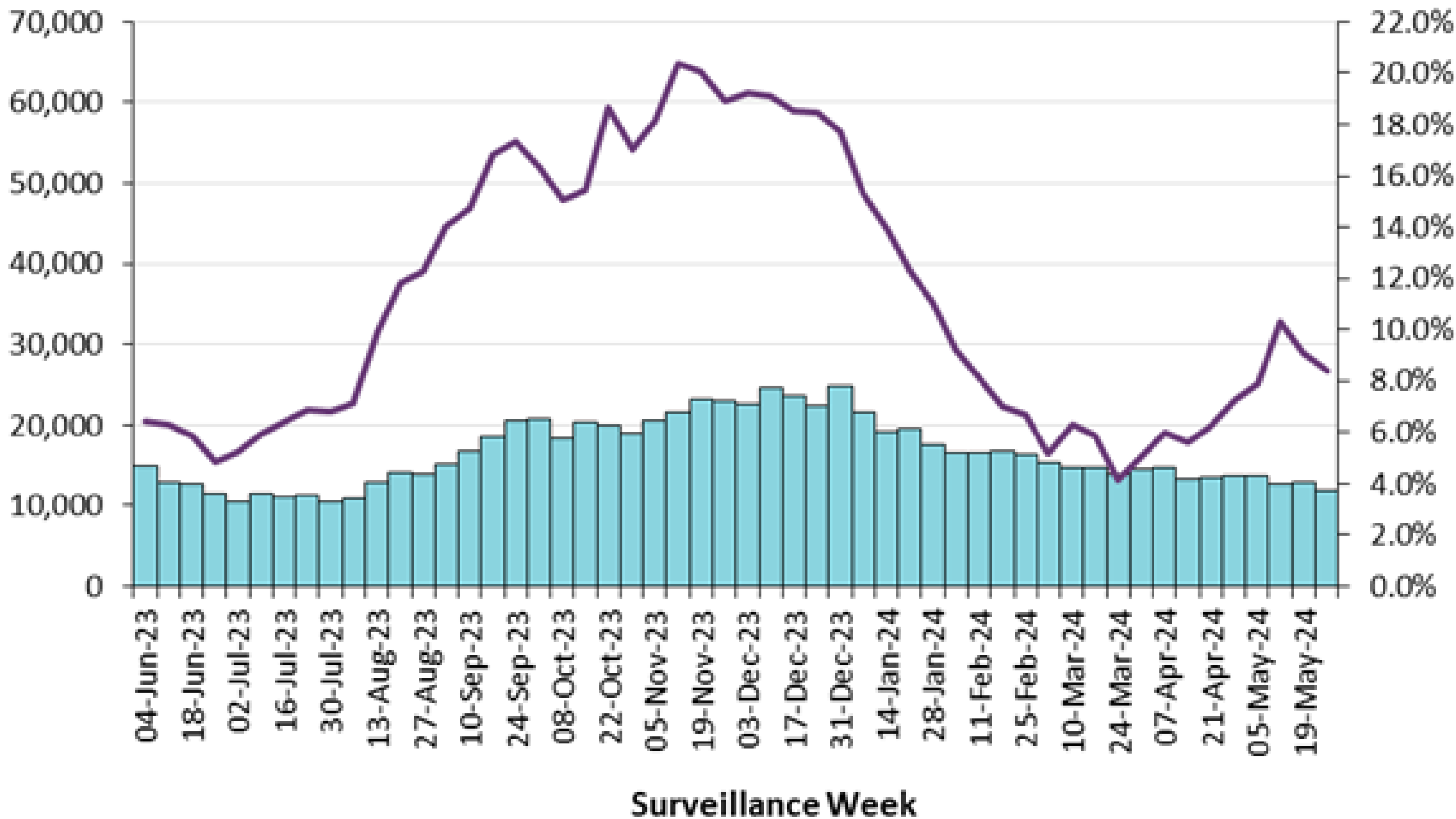


Dr. Neil Naik – Panelist

Assistant Clinical Professor, University of Waterloo; Family Physician, Waterloo, Ontario

COVID

Number of tests completed*



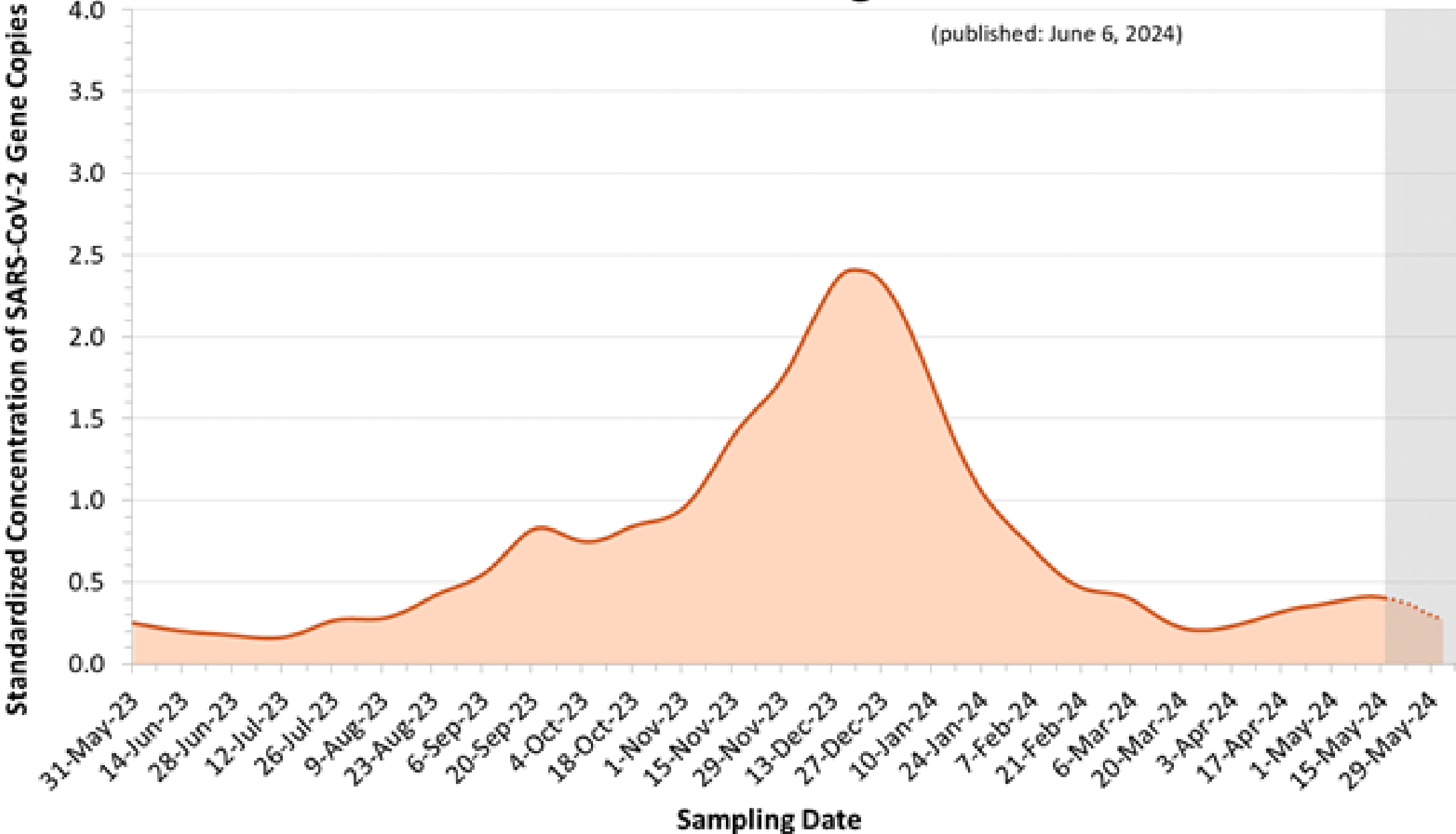
Tests completed

COVID-19 percent positive

Percentage of tests that were positive

COVID-19 Wastewater Signal - Ontario

(published: June 6, 2024)



COVID-19 Spring Vaccination Campaign



- In alignment with [NACI](#), individuals who are at increased risk of severe illness from COVID-19 may receive an additional dose of an XBB COVID-19 vaccine in Spring 2024. The Ontario Spring COVID-19 vaccine campaign will run from **April to June 2024**.
- The Ministry of Health is recommending that the following individuals receive an additional dose this spring:
 - Adults 65 years of age and older
 - Adult residents of long-term care homes and other congregate living settings for seniors
 - Individuals 6 months of age and older who are moderately to severely immunocompromised (due to an underlying condition or treatment)
 - Individuals 55 years and older who identify as First Nations, Inuit, or Metis and their non-Indigenous household members who are 55 years and older

Long-Term Care (LTC) Home Residents

Total LTC residents vaccinated with spring dose

20,002

% all LTC residents with spring dose

26.8%

Change from previous report:

+3,318 residents

+4.5 % points

LTC residents who received a Fall 2023/24 dose
(From September 12, 2023 to March 31, 2024):

45,290 (61.6%)

% LTC residents with a dose in
the last 6 months

33.8%

Retirement Home (RH) Residents

RH residents who received a Fall 2023/24
(From September 12, 2023 to March 31, 2024):

37,563 (63.4%)

Total RH residents vaccinated with spring dose

8,389

% RH residents with a dose
in the last 6 months

19.4%

% all RH residents with spring
dose

14.2%

Change from previous report:

+2,137 residents

+3.7 % points

Updated OH Guidance: Mild to Moderate COVID-19



- **Risk Factors Associated with More Severe COVID-19 Outcomes Where Antiviral Therapy is **RECOMMENDED****
 - Age (65 years and older, regardless of vaccine status, with no other risk factors)
 - Immunocompromised status (18 and older, regardless of vaccine status or prior COVID-19 infections)
- **Risk Factors Associated with More Severe COVID-19 Outcomes Where Antiviral Therapy **MAY BE CONSIDERED****
 - Vaccination status (have never received a COVID-19 vaccine)
 - Certain medical conditions

Treatment decisions should be individualized based on the prescriber's assessment of patient risk because not all medical or social vulnerabilities carry the same risk. Refer to Ontario Health guidance and resources at: <https://www.ontariohealth.ca/providing-health-care/clinical-resources-education/covid-19/treatment>

Coverage and Access for Paxlovid® in Community

- Effective May 17, 2024, Paxlovid® is listed [Ontario Drug Benefit \(ODB\) Formulary](#) with Limited Use (LU) criteria **for ODB-eligible adults (18 years+) with a positive COVID-19 test (PCR or RAT) and symptoms within the past 5 days who are:**
 - 65 years and older, regardless of risk factors or number of vaccine doses [673]
 - Immunocompromised, regardless of age or number of vaccine doses [674]
 - Have 1 or more risk factors (e.g. medical conditions) for severe COVID-19 [675]

REMINDER: Prescribers must indicate the appropriate LU code on the prescription.
- **For non-ODB Program recipients (e.g., individuals with private insurance or who pay out of pocket), Paxlovid® will not be publicly funded and usual and customary process will apply**, once the remaining provincial supply of Paxlovid® expires at end of May.
- If a patient cannot afford the cost of a medication out-of-pocket, they may be eligible for the [Trillium Drug Program \(TDP\)](#). Where applicable, TDP can provide reimbursement retroactive to the enrollment date and process urgent applications.

Access to Testing



Rapid antigen tests (RATs)

- Health care providers can continue to order free rapid antigen tests (RATs) to provide to patients. Please order via [PPE Supply Portal](#) (must be registered for the Provincial Antigen Screening program – easy online application).
- RATs may also be available through participating pharmacies and public health units.

PCR tests

- Authorized providers may order publicly-funded PCR testing for eligible patients using the Public Health Ontario COVID-19 and Respiratory Virus Test Requisition form For help filling out the form use these instructions.
- Some pharmacies also continue to provide PCR testing (not available in all regions), see <https://www.ontario.ca/covidtestinglocations> for participating locations.

Meningococcal Disease

Clinical Illness

- Clinical illness associated with invasive meningococcal disease (IMD) usually manifests as meningitis, meningococccemia or both
- The case fatality ratio (CFR) is between 8% and 15%, with the CFR of meningococccemia as high as 40%.
- Symptoms include:
 - sudden development of fever
 - drowsiness
 - irritability or agitation
 - intense headache
 - nausea
 - vomiting
 - stiff neck and
 - Photophobia
- Most commonly, invasive disease results in meningitis and/or septicemia, in addition to a characteristic non-blanching petechial or purpuric rash.



Contact Management

- Chemoprophylaxis should be offered to all persons having close contact with an IMD case during the infectious period (seven days before onset of symptoms in the case to 24 hours after initiation of effective treatment) regardless of their immunization status:
 - Household contact of a case;
 - Children and staff in contact with the case in child care settings;
 - Persons who have direct nose or mouth contamination with the case's oral/nasal secretions such as through kissing on the mouth, shared cigarettes, toothbrushes, eating utensils, drinking bottles;
 - Health care workers (HCWs) who have had intensive unprotected contact (without wearing a mask) with an infected person such as in intubation, mouth-to-mouth resuscitation, or closely examining the oropharynx;
 - Persons who share sleeping arrangements with the case; and
 - Airline passengers sitting immediately on either side of the case, but not across the aisle, when the total time spent aboard the aircraft was at least hours.

Table 1: Recommended chemoprophylaxis for Invasive Meningococcal Disease¹⁰

Drug	Age of Infants, Children, and Adults	Dosage (Dose, route, frequency)	Considerations
Rifampin	< 1 month ≥ 1 month Adults	5mg/kg, oral, q12h x 2 days 10mg/kg (maximum 600mg), oral, q12h x 2 days 600mg, oral, q12h x 2 days	<ul style="list-style-type: none">• Can interfere with efficacy of medications including oral contraceptives, anticonvulsants and anticoagulants• Can stain contact lenses• Not recommended for pregnant women
Ceftriaxone	< 15 years ≥ 15 years	125mg, IM, single dose 250mg, IM, single dose	<ul style="list-style-type: none">• Safe for pregnancy
Ciprofloxacin	Adults	500mg, oral, single dose	<ul style="list-style-type: none">• Not used in communities where fluoroquinolone-resistant strains of <i>N. meningitidis</i> have been detected• Not recommended for pregnant women

Hajj 2024

- Umrah is an Islamic pilgrimage to Mecca, Kingdom of Saudi Arabia, that can be performed any time in the year; the Hajj is an annual Islamic pilgrimage this year taking place **June 14–19, 2024**.
- Since April 2024, 12 cases of meningococcal disease linked to Saudi Arabia travel for Umrah have been reported to national public health agencies in the United States (5 cases), France (4 cases), and the United Kingdom (3 cases).
- Make sure you are vaccinated with a **quadrivalent (ACYW) meningococcal vaccine** before travelling, as required by Saudi Arabia.

Meningococcal Schedule in Ontario

Age 1

Men-C-C (Menjugate, NeisVac-CTM)

Grade 7

Men-ACYW (Menactra®, Menveo™, Nimenrix®)

High risk

2 months to 17 years - Men-B (Bexsero)

9 months+ Men-ACYW

- Acquired complement deficiencies (e.g., receiving eculizumab)
- Asplenia (functional or anatomic)
- Cochlear implant recipients (pre/post implant)
- Complement, properdin, factor D or primary antibody deficiencies
- HIV

MPOX

Mpox Vaccine Guidance

- NACI (May 24, 2024) - **Interim guidance on the use of Imvamune® in the context of a routine immunization program**
- Ministry guidance changes – upcoming:
 - **Co-administration:** Imvamune® can be given concurrently (i.e., same day) or at any time before or after other live or non-live vaccines.
 - **Booster doses:** not recommended for individuals who have completed the 2-dose series of Imvamune®, except for lab workers who have continued occupational exposure.
 - **High-risk criteria:** provincial guidance revision to align with NACI
 - **Healthcare workers:** Imvamune® is not routinely recommended for healthcare workers, including those serving populations at high risk of mpox, with the exception of post-exposure vaccination
 - **Pediatric populations:** Off-label use in pediatric populations is recommended for those meeting the criteria for post-exposure vaccination and may be offered at their clinician's discretion.

Vaccination Reminder

- Please continue to vaccinate high-risk individuals with a 2-dose series of Imvamune®.
- Ensure those who have received one dose receive their second dose for optimal protection.





How you're making a difference

How can we effectively treat and support our patients

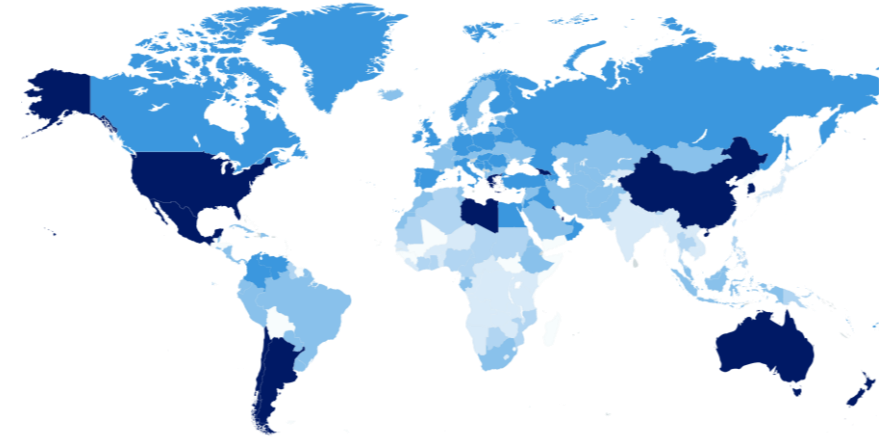
Global prevalence of obesity

Among adults

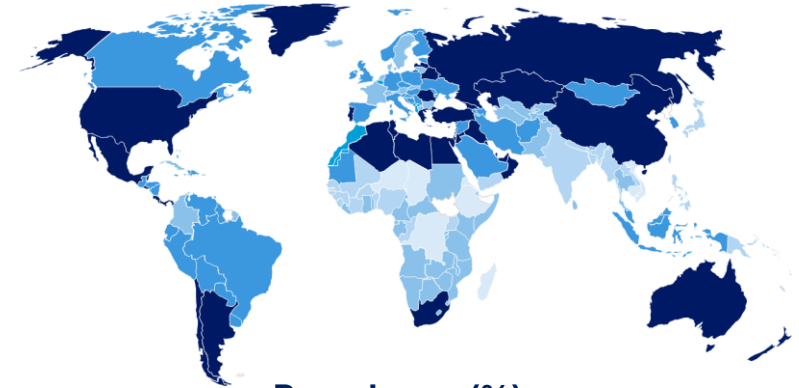
764

million people
live with obesity¹

Men²



Women³



Prevalence (%)



Obesity is recognized as a disease and a health issue



“Obesity is a chronic, relapsing, progressive disease processneed for immediate action for prevention and control of this global epidemic”

World Obesity Federation¹



“Obesity is a progressive chronic disease, similar to diabetes or high blood pressure, ...”

Obesity Canada³



“A progressive disease, impacting severely on individuals and society alike,... obesity is the gateway to many other disease areas...”

European Association for the Study of Obesity⁴



“Obesity and overweight as a chronic medical condition (de facto disease state) and urgent public health problem...”

American Medical Association²



“It (obesity) is not a lifestyle choice caused by individual greed but a disease caused by health inequalities, genetic influences and social factors..”

Royal College of Physicians UK⁵



“The Treat and Reduce Obesity Act would allow a variety of qualified practitioners, including registered dietitian nutritionists, to more effectively treat this disease, which impacts more than one-third of our nation.”

Academy of nutrition and dietetics⁶



“Obesity is a chronic relapsing disease, which in turn acts as a gateway to a range of other non-communicable diseases, such as diabetes, cardiovascular diseases and cancer.”³

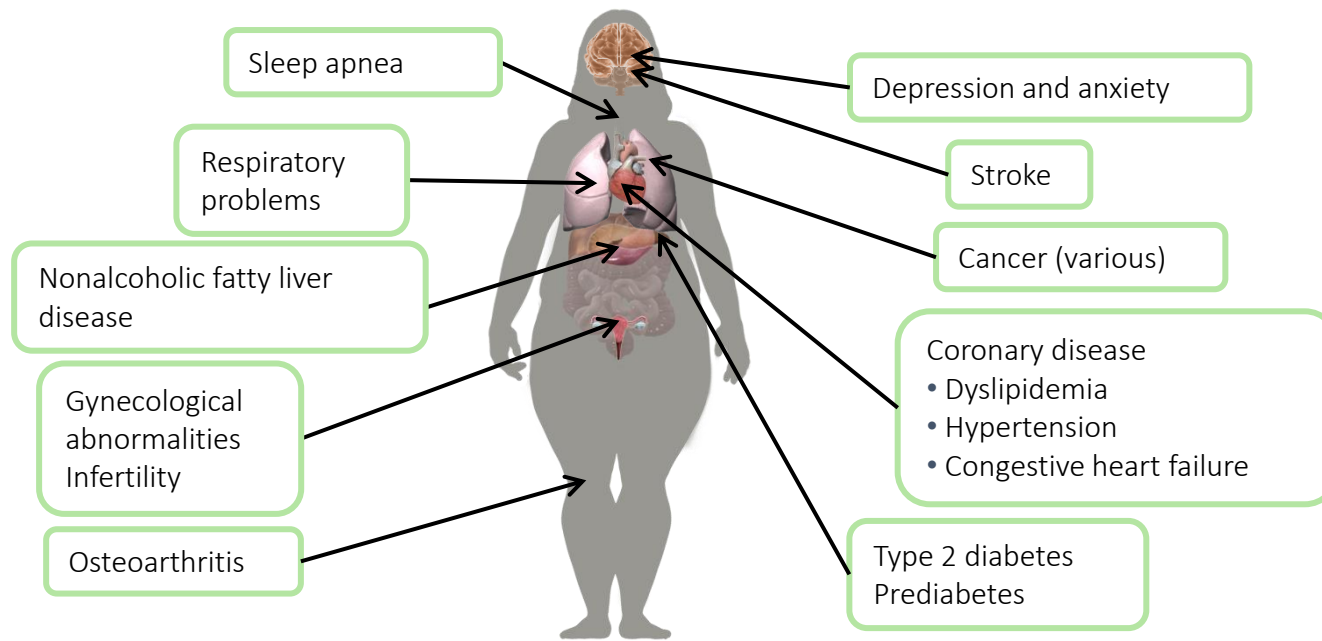
European Commission⁷



“A pathological state (obesity disease) in which a person suffers health problems caused by or related to obesity thus making weight loss clinically desirable ...”

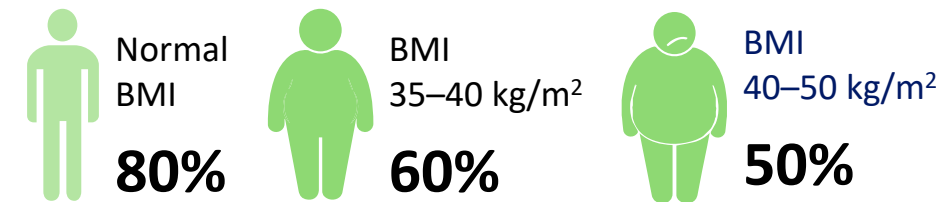
Asia Oceania Association for the Study of Obesity⁸

Obesity is associated with multiple comorbid conditions and increased mortality



Once complications develop, their care becomes much more challenging.

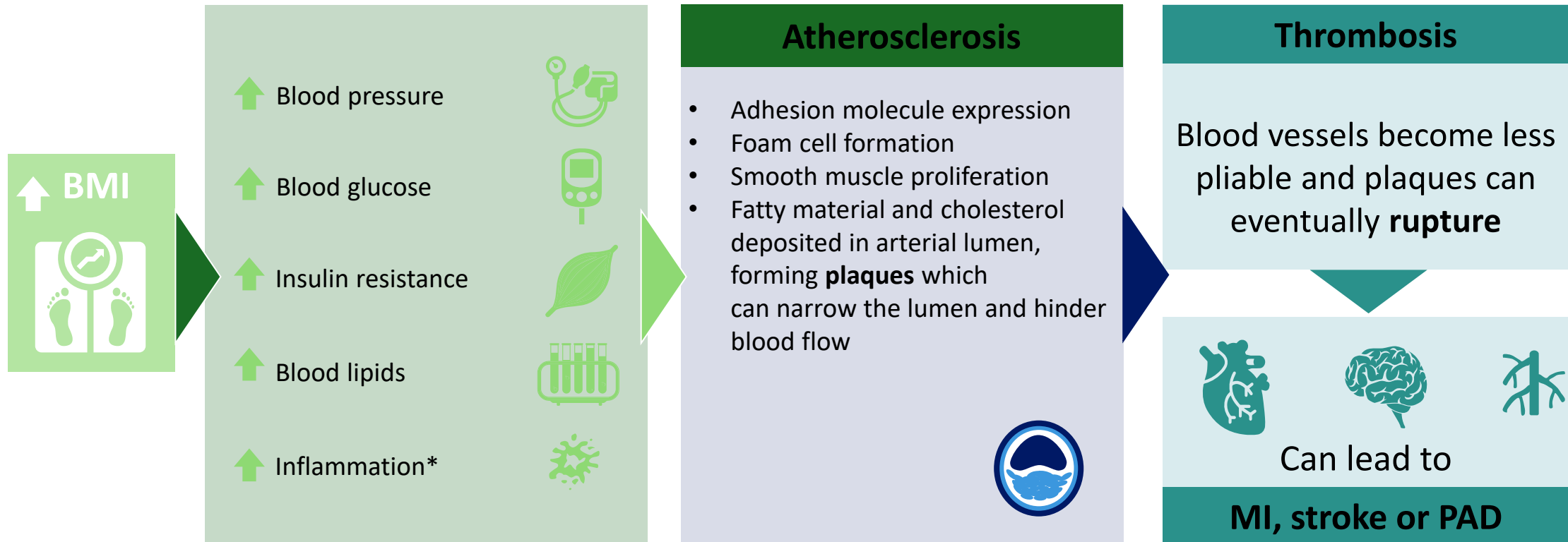
Life expectancy decreases as BMI increases



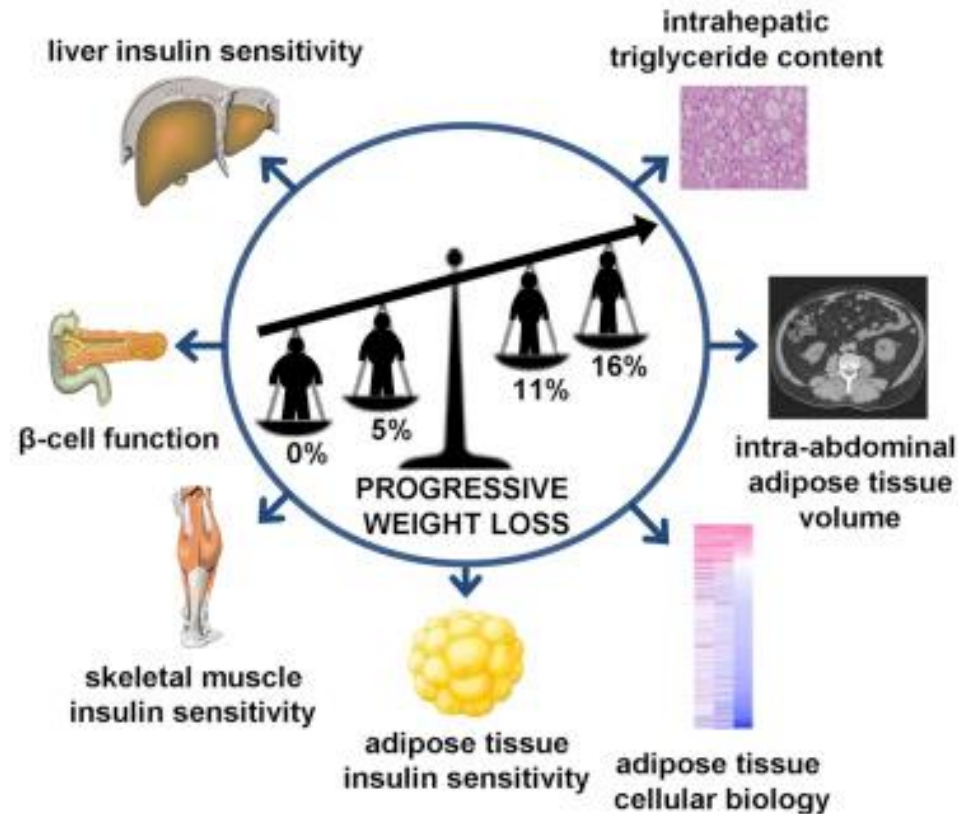
↓ chance of reaching age 70

Data are based on male subjects; n=541,452.
BMI, body mass index; CVD, cardiovascular disease; NAFLD, non-alcoholic fatty liver disease; T2D, type 2 diabetes.
Statistics Canada Health Reports, Vol. 17, No. 3, Catalogue no. 82-003-XIE. Guh DP et al. BMC Public Health. 2009;9:88. Shaikh S et al. Int J Diabetes Dev Countries. 2011;31:65-69. Church TS et al. Gastroenterol. 2006;130:2023-2030. Li C et al. Prev Med. 2010;51:18-23. Esmailzadeh S et al. Arch Med Sci. 2013;9:499-505. NIH. Obes Res. 1998;6(Suppl 2):51S-209S; Zhao G et al. Int J Obes (Lond). 2009;33(2):257-66; Lau DCW, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: The Science of Obesity. Available from: <https://obesitycanada.ca/guidelines/science>. Accessed November 2020. Prospective Studies Collaboration. Lancet 2009;373:1083-1096.

Excess weight promotes cardiovascular disease via multiple mechanisms



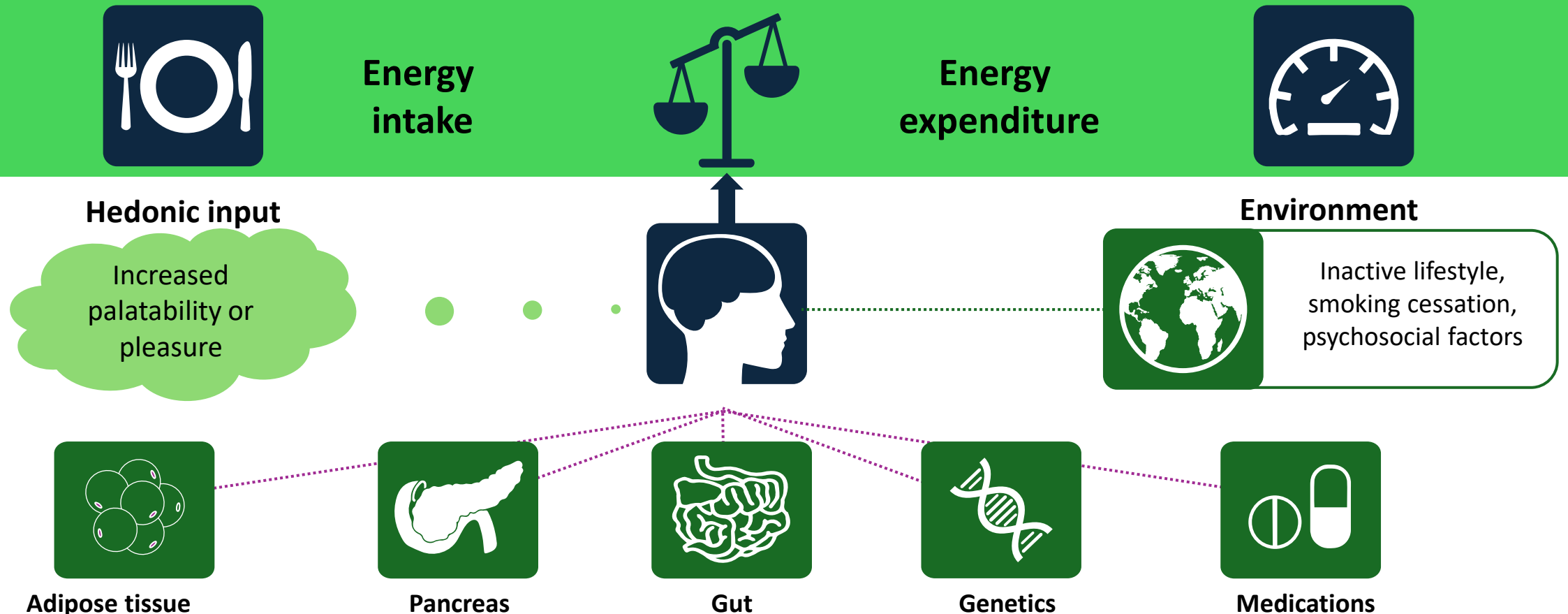
There is more happening than just simply appetite suppression



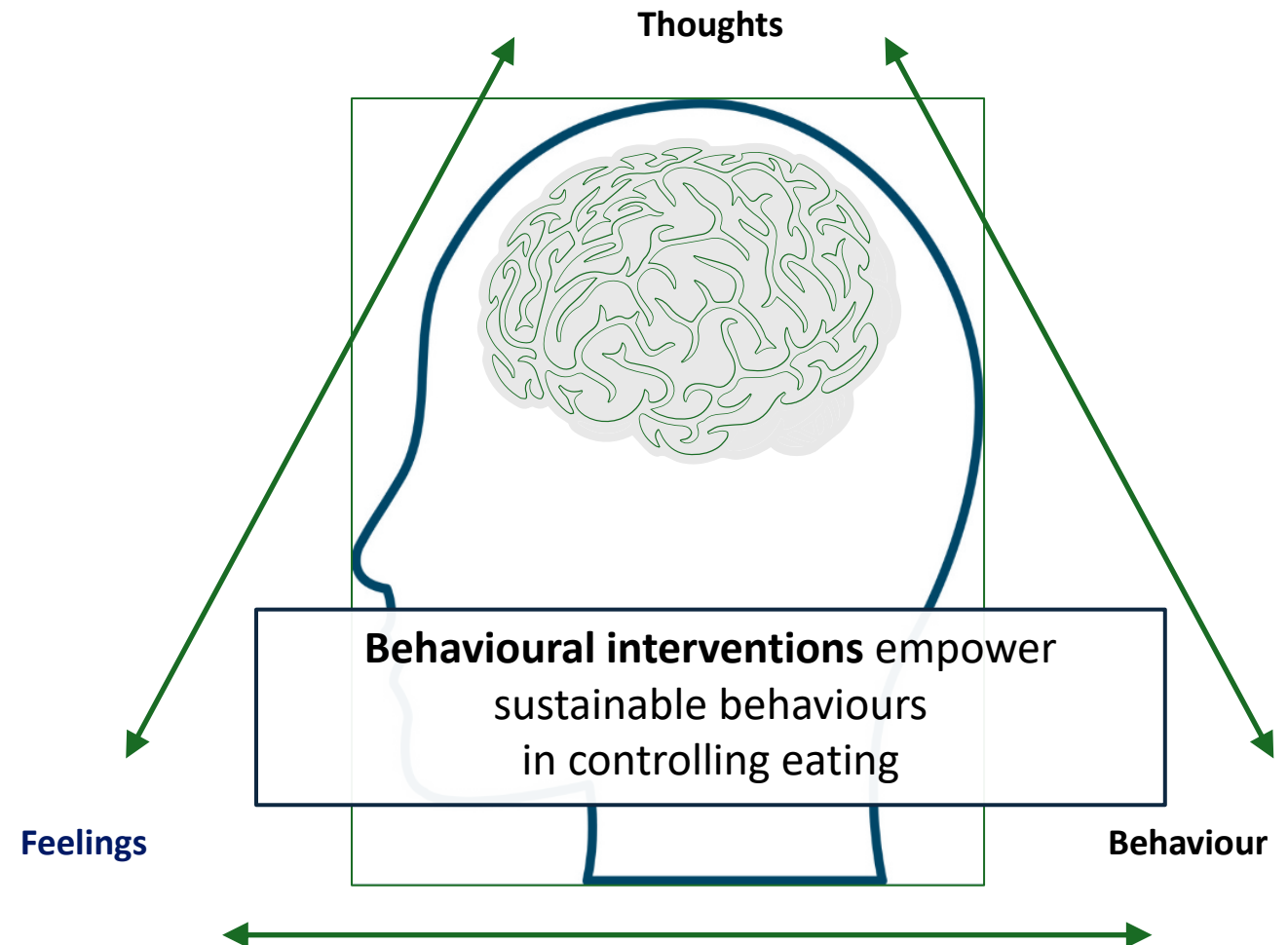
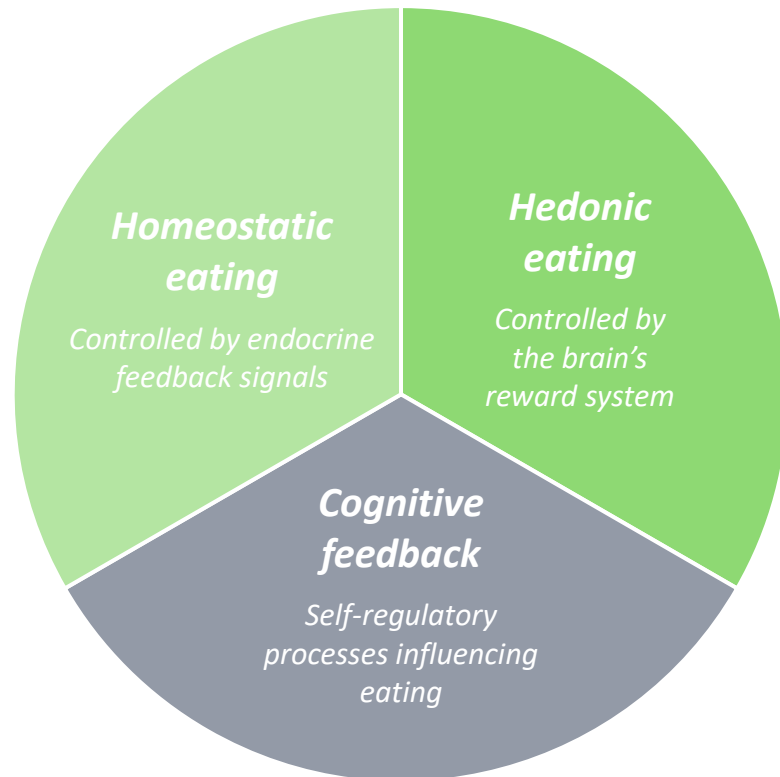
What happens in your cells?

	5% Weight loss	11% Weight loss	16% Weight Loss
Intrahepatic triglyceride content	+	++	+++
Intra-abdominal adipose tissue	+	++	+++
Adipose tissue insulin sensitivity	+	++	++
Liver Insulin Sensitivity	+	+	+
Muscle insulin sensitivity	+	++	+++
Beta cell function	+	++	+++
Adipose tissue biology*		+	++
Inflammatory markers		+	++

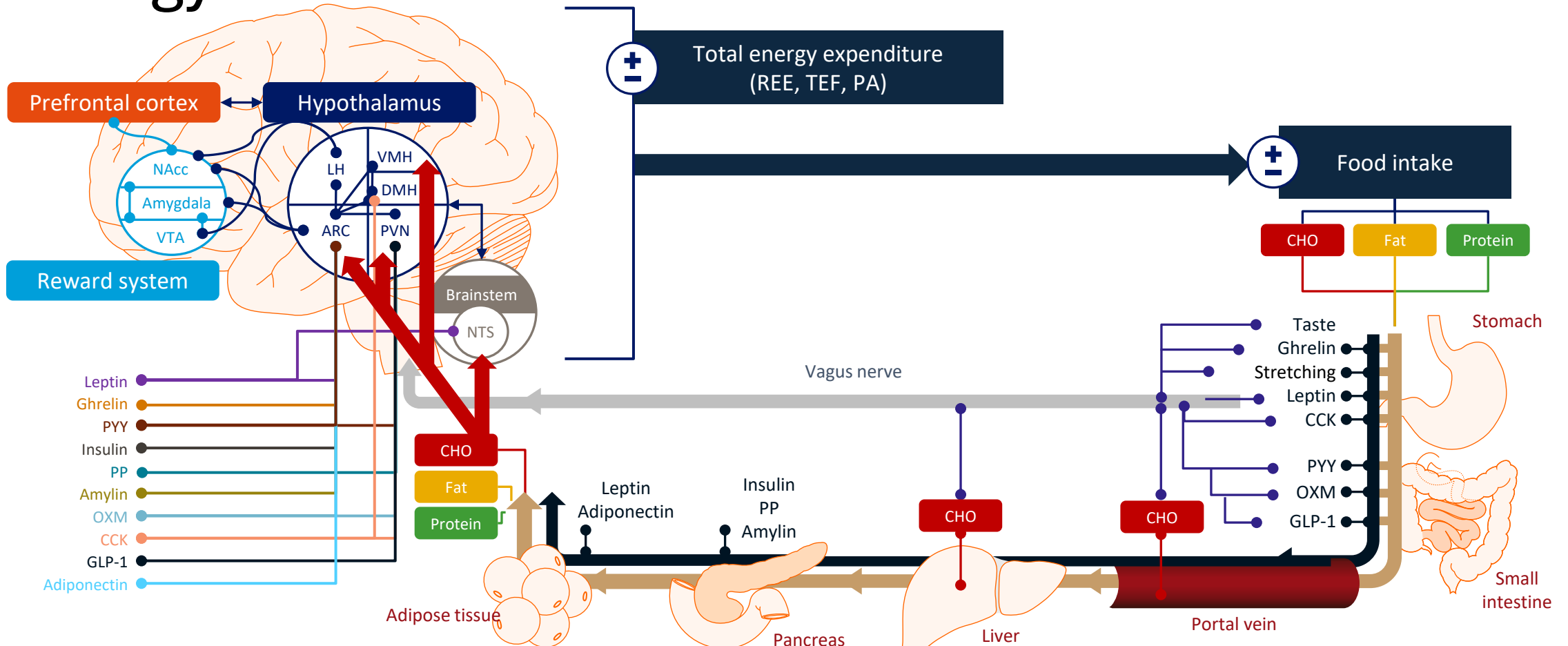
Energy balance is regulated by the brain through various sources of input



The role of the brain in controlling appetite

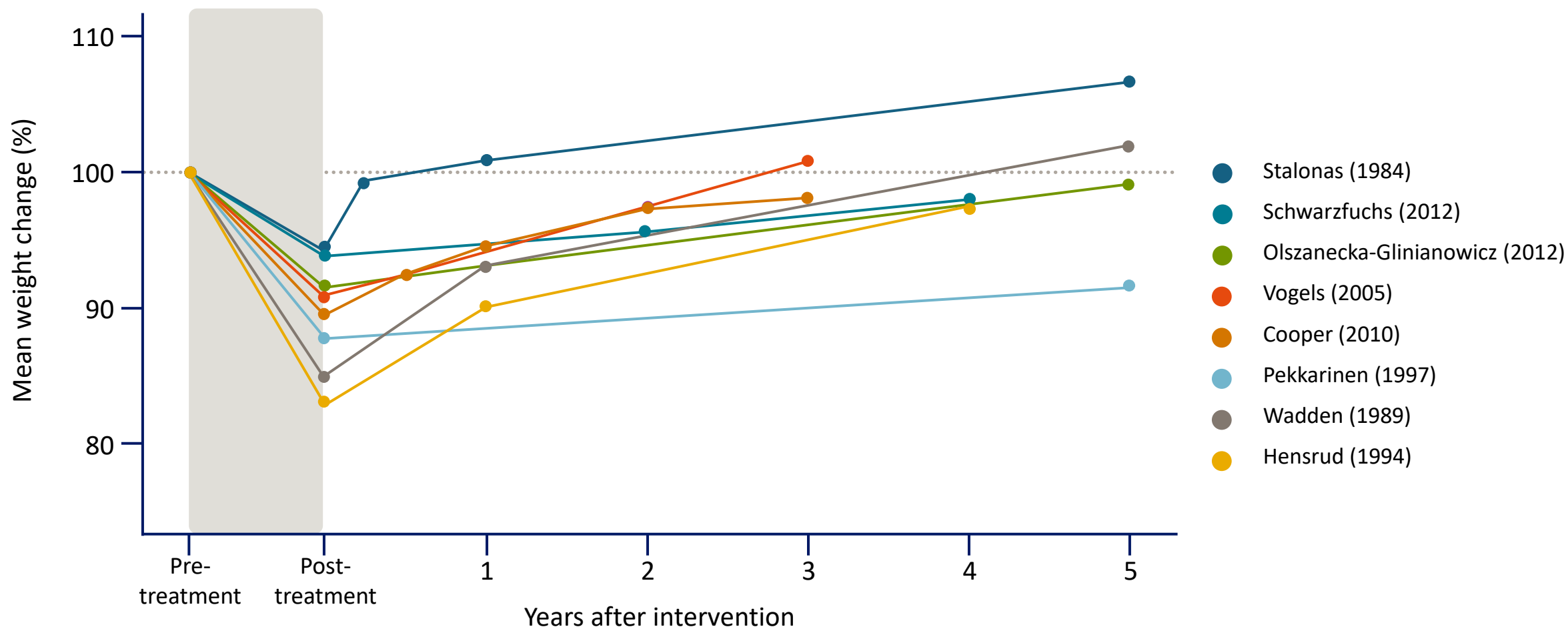


The neuro-hormonal actors involved in energy homeostasis



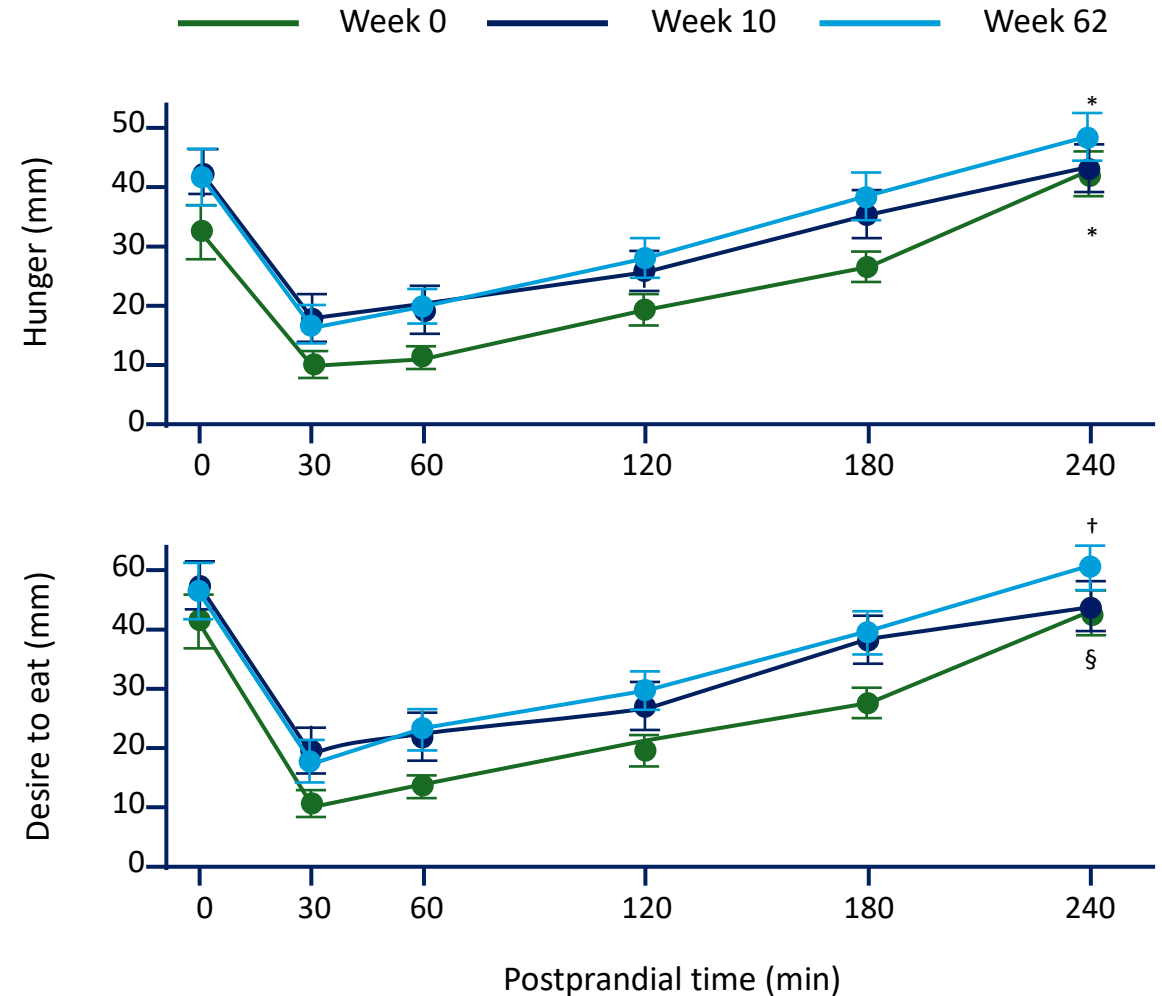
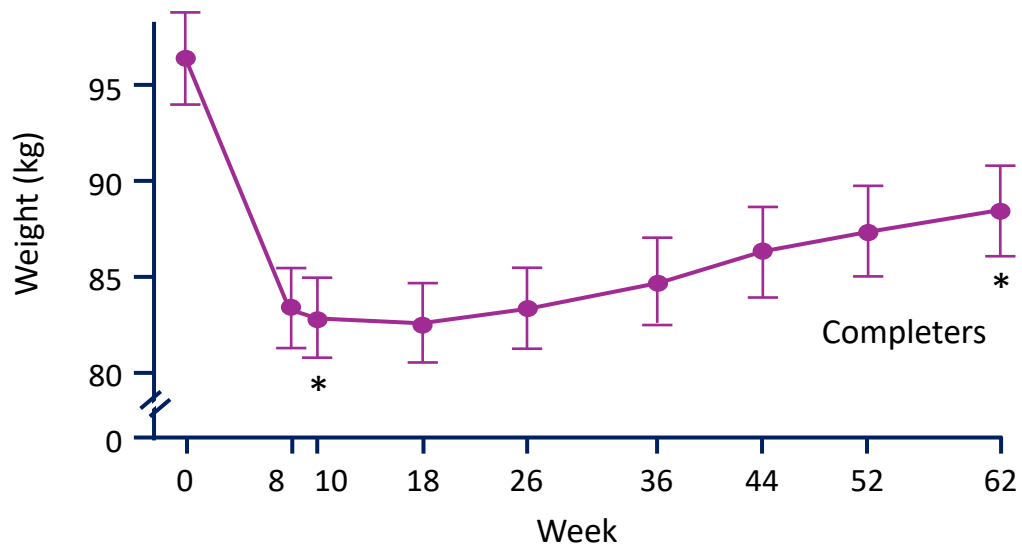
ARC, arcuate nucleus; CCK, cholecystokinin; CHO, carbohydrates; DMH, dorsomedial hypothalamic nucleus; GLP-1, glucagon-like peptide 1; LH, lateral hypothalamus; NAcc, nucleus accumbens; NTS, nucleus tractus solitarius; OXM, oxyntomodulin; PA, physical activity; PP, pancreatic polypeptide; PVN, paraventricular nucleus; PYY, peptide YY; REE, resting energy expenditure; TEF, thermic effect of food; VMH, ventromedial hypothalamus; VTA, ventral tegmental area. Theilade S et al. *Diabetes Obes Metab* 2021;Suppl 1:17–35.

Maintenance of weight loss is challenging



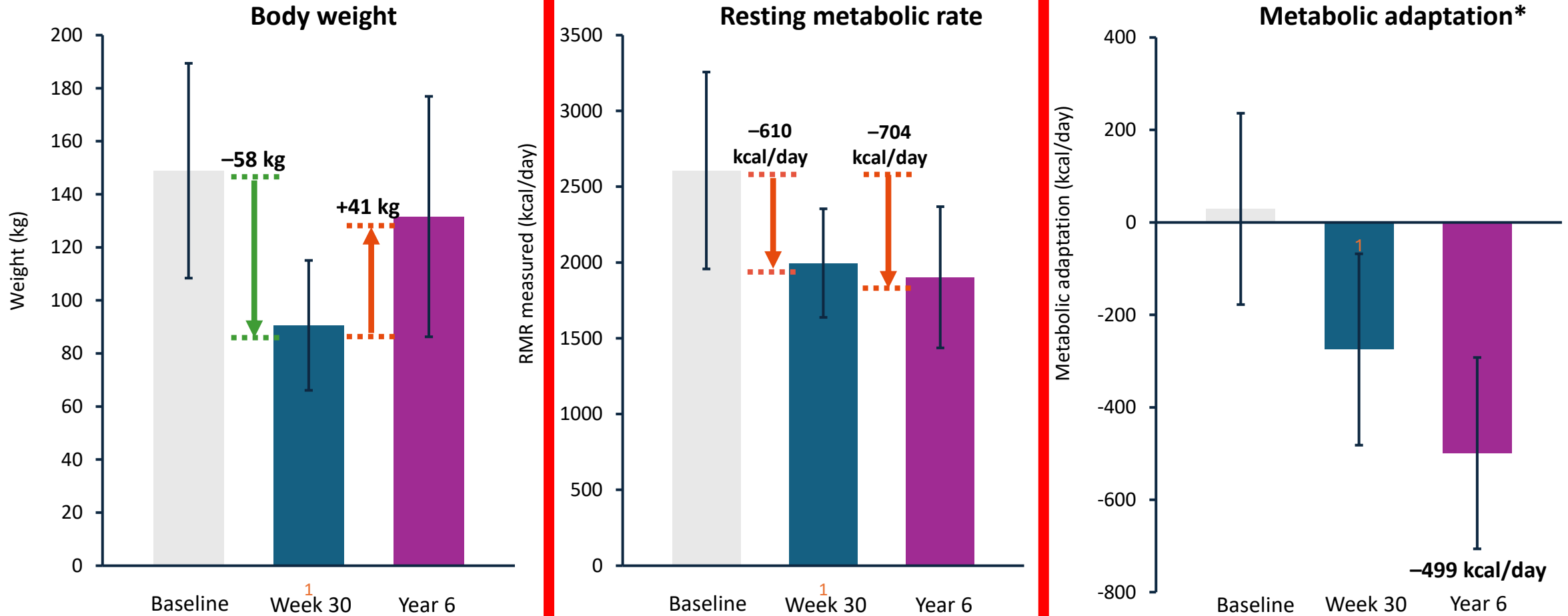
Hunger increases in response to weight loss

- 50 individuals with overweight/obesity lost weight on a 10-week very low energy diet
- Appetite was measured using VAS scores at 0, 10 and 62 weeks



*p<0.001, §p=0.008, †p=0.09 vs mean at baseline (week 0).
 ITT, intention to treat; VAS, visual analogue scale.
 Sumithran P et al. N Engl J Med 2011;365:1597-604.

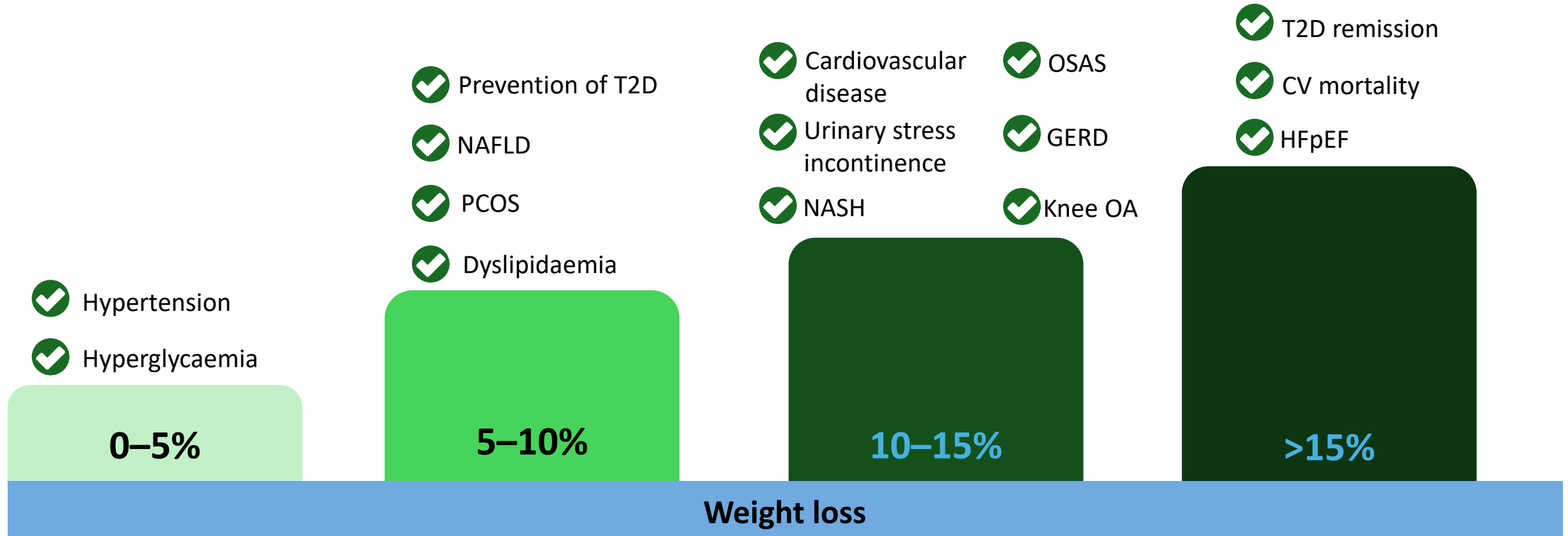
Persistent metabolic adaptation following weight loss



Error bars represent standard deviation. Data are for 14/16 participants in the 30-week Biggest Loser weight-loss competition.
*Defined as the residual resting metabolic rate after adjusting for changes in body composition and age.
RMR, resting metabolic rate.
Fothergill E et al. Obesity (Silver Spring) 2016;24:1612-19.

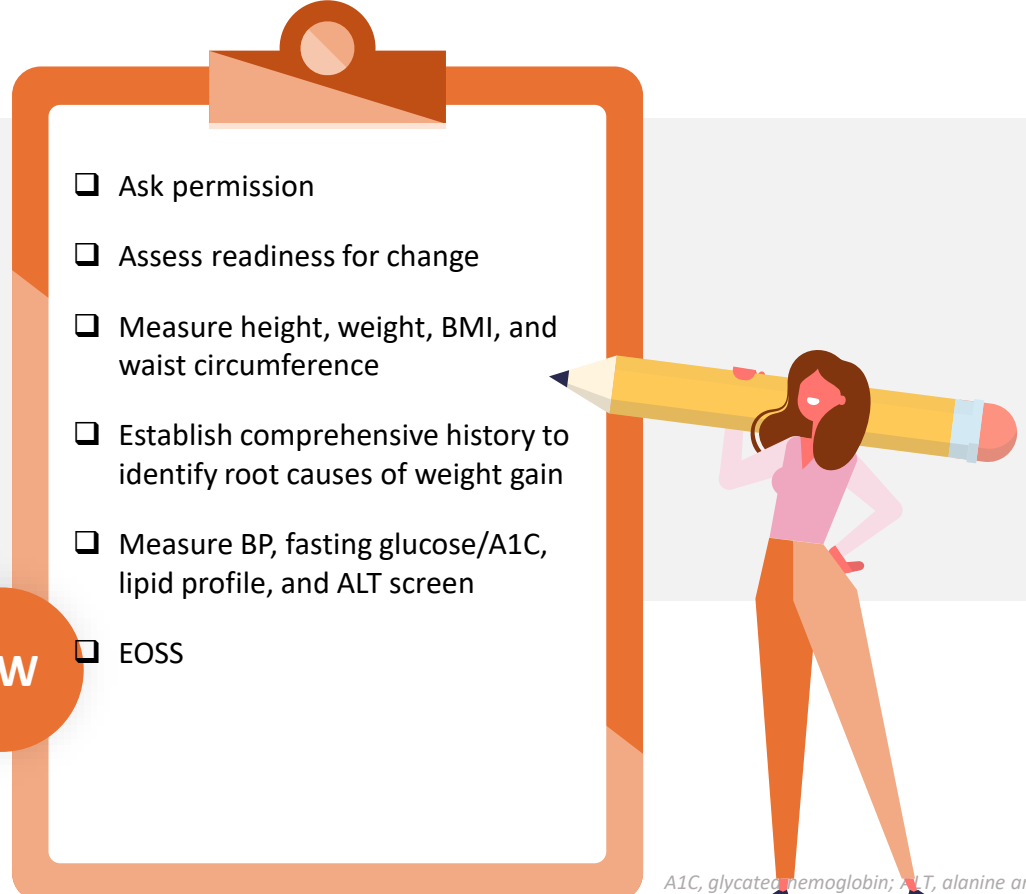
Greater weight loss leads to improved health outcomes

Towards greater weight loss and overall health improvement



CV, cardiovascular; GERD, gastro-oesophageal reflux disease; HFpEF, heart failure with preserved ejection fraction; NAFLD, non-alcoholic fatty liver disease; NASH, non-alcoholic steatohepatitis; OA, osteoarthritis; OSAS, obstructive sleep apnoea syndrome; PCOS, polycystic ovary syndrome; TG, triglycerides.
1. Garvey WT et al. *Endocr Pract* 2016;22(Suppl. 3):1-20; Look AHEAD Research Group. *Lancet Diabetes Endocrinol* 2016;4:913-21; 3. Lean ME et al. *Lancet* 2018;391:541-51; 4. Benraouane F and Litwin SE. *Curr Opin Cardiol* 2011;26:555-61; 5. Sundstrom J et al. *Circulation* 2017;135:1577-85.

Diagnosis of Obesity: Then vs. Now

- 
- Ask permission
 - Assess readiness for change
 - Measure height, weight, BMI, and waist circumference
 - Establish comprehensive history to identify root causes of weight gain
 - Measure BP, fasting glucose/A1C, lipid profile, and ALT screen
 - EOSS

NEW

HCPs are encouraged to:



- Prioritize involving the patient in the decision-making process
- Focus on a holistic approach to health
- Use appropriate measurements that are focused on health behaviours in all patients
- Address the root causes of obesity

A1C, glycated hemoglobin; ALT, alanine aminotransferase; BP, blood pressure; EOSS, Edmonton Obesity Staging System; HCP, healthcare provider. Lau DCW, et al. 2007. "2006 Canadian clinical practice guidelines on the management and prevention of obesity in adults and children." CMAJ 176(8): 1-117; Obesity in adults: a clinical practice guideline. CMAJ 2020 August 4;192:E875-91. doi: 10.1503/cmaj.191707; Rueda-Clausen CF, et al. Canadian Adult Obesity Clinical Practice Guidelines: Assessment of People Living with Obesity. Available from: <https://obesitycanada.ca/guidelines/assessment>. Accessed August 10, 2020.

Approaching the conversation about weight with your patients: **Explore readiness for change**¹⁻⁴

This is essential to success, as initiating change when patients are not ready can result in frustration and impede future efforts.

Stage	Patient mindset	Practitioner task
Pre-contemplation (not ready)	No intention of changing behaviour in the foreseeable future (within 6 months).	<ul style="list-style-type: none"> • Increase perception of the risks and problems with current behaviours • Provide harm reduction strategies
Contemplation (getting ready)	Aware that a problem exists and is seriously thinking about starting to overcome it (within 6 months).	<ul style="list-style-type: none"> • Help identify reasons for change/risks of not changing • Increase patient confidence in ability to change
Preparation	Intending to act in the next month.	<ul style="list-style-type: none"> • Clear goal-setting and development of realistic plan for change
Action	Modifies behaviour, experiences, or environment to overcome the problem.	
Maintenance (sticking to it)	Works to prevent relapse and consolidate the gains attained during action.	<ul style="list-style-type: none"> • Help identify and use strategies to prevent relapse

1. Wharton S, et al. Obesity in adults: a clinical practice guideline. *CMAJ*. 2020;192(31):E875-E891. 2. Prochaska JO, et al. In search of how people change. Applications to addictive behaviors. *Am Psychol*. 1992;47(9):1102-1114.

3. Hall K, et al. Motivational interviewing techniques - facilitating behaviour change in the general practice setting. *Aust Fam Physician*. 2012;41(9):660-667. 4. Hawk M, et al. Harm reduction principles for healthcare settings. *Harm Reduct J*. 2017;14(1):70.

Approaching the conversation about weight with your patients: **Create a weight-friendly practice**¹



Facilities: Easily accessible, wide doors, large restrooms, floor-mounted toilets



Waiting room: Sturdy and armless chairs, appropriate reading material



Exam room: Appropriately sized gowns, scales over 350 lbs/160 kg, wide and sturdy exam tables, extra-large blood pressure cuffs, long-handled shoe horns, large stepping stools

Obesity management is about improving health and well-being, not just managing weight¹



Many patients see **significant improvements in health and well-being** even with modest reductions in weight



The patient's **“best” weight** may never be an “ideal” weight

- A “healthy range” BMI is **not a realistic goal** for many patients
- Help patients set weight targets based on the “best weight” they can sustain while still enjoying their life and reaping the benefits of improved health

Treatment “success” can be defined in multiple ways¹



Better quality of life



Prevention of further weight gain



Modest weight loss (5%)



Greater self-esteem



Improved overall health
(metabolic, mechanical, mental)



Maintenance of the patient’s
“best” weight



Higher energy levels

Recommended classification of BMI¹

BMI is not a tool for identifying adiposity-related complications. Integration of both BMI and waist circumference into a clinical assessment may identify people at higher risk of obesity better than either alone (particularly at BMI of 25–35 kg/m²).^{1,2}

Category	BMI (kg/m ²)
Caucasian, Europid, and North American ethnicity	
Underweight	< 18.5
Healthy weight	18.5–24.9
Overweight	25–29.9
Obesity Class 1	30–34.9
Obesity Class 2	35–39.9
Obesity Class 3	≥ 40

Category	BMI (kg/m ²)
South-, Southeast-, or East-Asian ethnicity	
Underweight	< 18.5
Healthy weight	18.5–22.9
Overweight—At risk	23–24.9
Overweight—Moderate risk	25–29.9
Overweight—Severe risk	≥ 30

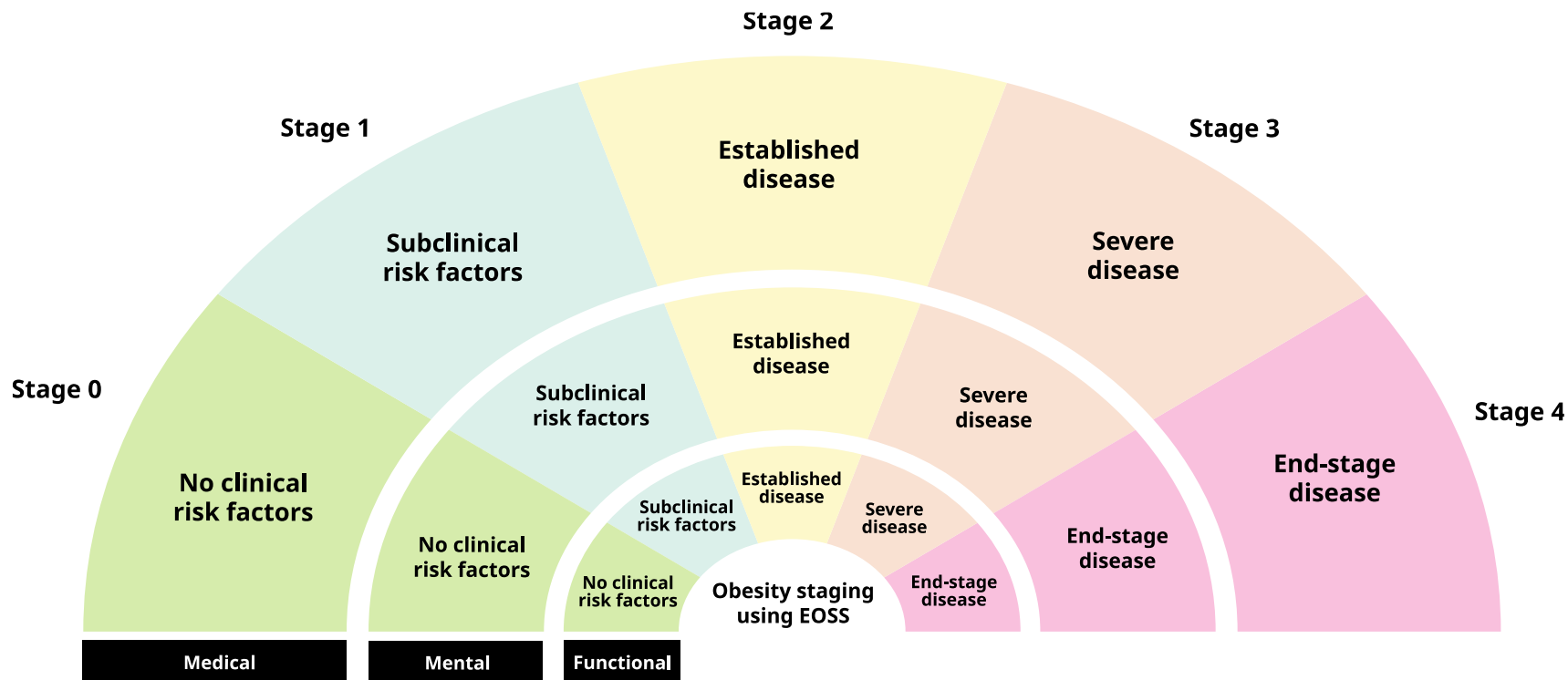
1. Rueda-Clausen C, et al. Canadian Adult Obesity Clinical Practice Guidelines: Assessment of People Living with Obesity. 2020. Available at:

<https://obesitycanada.ca/guidelines/assessment>. Retrieved February 28, 2023.

2. Obesity Canada. Canadian Adult Obesity Clinical Practice Guidelines: Clinical Recommendations Quick Guide. 2020. Available at: <http://obesitycanada.ca/wp-content/uploads/2020/11/CPG-Quick-Guide-English.pdf>. Retrieved February 28,

Edmonton Obesity Staging System¹⁻³

Rather than BMI, the Edmonton Obesity Staging System (EOSS) ranks the severity of obesity based on a clinical **assessment of weight-related health issues and quality of life** to better guide clinical decision-making.



The Obesity Canada Clinical Practice Guidelines provide recommendations on how to effectively manage obesity according to the patient's EOSS stage.

Adapted from Swaleh R, et al. 2021.¹

1. Swaleh R, et al. Using the Edmonton Obesity Staging System in the real world: a feasibility study based on cross-sectional data. *CMAJ Open*. 2021;9(4):E1141-E1148.

2. Rueda-Clausen C, et al. Canadian Adult Obesity Clinical Practice Guidelines: Assessment of People Living with Obesity. 2020. Available at:

<https://obesitycanada.ca/guidelines/assessment>. Retrieved March 2, 2023. 3.

Laboratory and diagnostic tests to consider in the assessment of patients with obesity¹

Consider for most patients

- A1C, serum glucose
- Electrolytes, renal function (creatinine, eGFR)
- Total cholesterol, HDL- and LDL-cholesterol, triglycerides
- Alanine aminotransferase (ALT)
- Screening for obstructive sleep apnea (e.g., STOP-BANG questionnaire)
- Age-appropriate cancer screening

Consider only if clinically indicated

- Complete (full) blood count
- Thyroid stimulating hormone/thyroid function tests
- Uric acid
- Assessment of iron (TIBC, % saturation, serum ferritin, serum iron)
- Vitamins B12 and D levels
- Urinalysis
- Urine for albuminuria

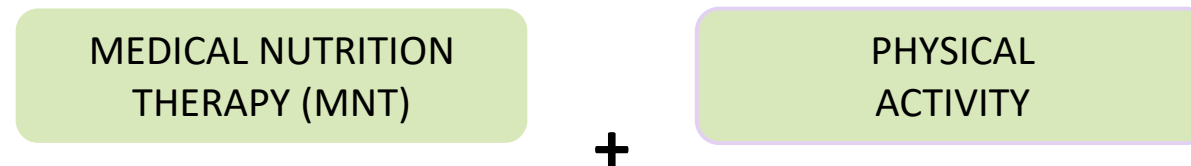
Women with obesity and symptoms of PCOS

- LH, FSH, total testosterone, DHEAS, prolactin, and 17 hydroxyprogesterone levels

HDL, high-density lipoprotein; LDL, low-density lipoprotein; TIBC, total iron binding capacity; PCOS, polycystic ovary syndrome; LH, luteinizing hormone; FSH, follicle stimulating hormone; DHEAS, dehydroepiandrosterone.

1. Rueda-Clausen C, et al. Canadian Adult Obesity Clinical Practice Guidelines: Assessment of People Living with Obesity. 2020. Available at: <https://www.cco.ca/obesity-guidelines/>

Understanding the treatment options available¹

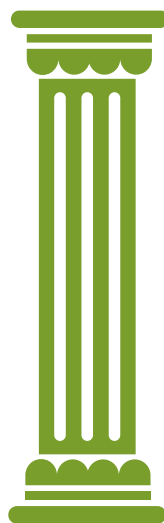


The three pillars of obesity management that support MNT and physical activity



PSYCHOLOGICAL INTERVENTION

Criteria:
Any person undergoing obesity management



PHARMACOLOGICAL THERAPY

Criteria:
BMI ≥ 30 kg/m²
or
 ≥ 27 kg/m² with obesity-related complications



BARIATRIC SURGERY

Criteria:
BMI ≥ 40 kg/m²
or
 ≥ 35 – 40 kg/m² with an obesity-related complication
or
 ≥ 30 kg/m² with poorly controlled type 2 diabetes*

Addressing any root causes of obesity/contributors to obesity is an essential component of obesity management (refer to the 4M framework).

* Eligibility for bariatric surgery may vary by province.
1. Wharton S, et al. Obesity in adults: a clinical practice guideline. *CMAJ*. 2020;192(31):E875-E891.

Phenotype-guided
antiobesity
pharmacotherapy!!!



Four obesity phenotypes



Hungry brain

Satiation – Knowing when the meal is over



Hungry Gut

Satiety – Ability to not eat in periods between meals



Emotional Hunger

Emotional/Reward – Regarding in response to negative/positive emotions



Slow burn

Energy Expenditure – Base metabolic rate + Overall activity level

Differences in phenotypes vs those not categorized

- the hungry brain group consumed 62% more calories prior to reaching fullness;
- the emotional hunger group reported 2.8 times higher levels of anxiety;
- the hungry gut group emptied the stomach contents 31% faster; and
- the slow burn group had 12% lower predicted REE when compared with the other groups of obesity

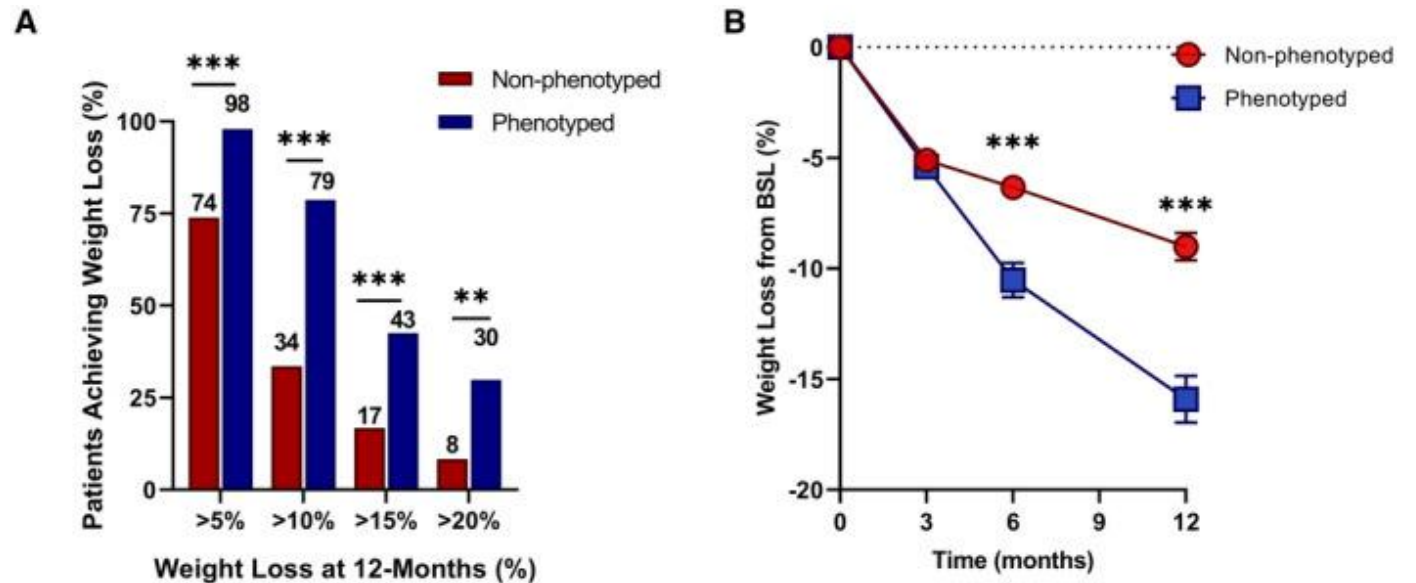
How!

1. Abnormal satiation (“hungry brain”): phentermine-topiramate extended release at a dose of 7.5/46 mg daily or lorcaserin at 20 mg daily (patients were told to discontinue in February 2020 based on U.S. Food and Drug Administration [FDA] recall);
2. Abnormal hedonic eating (“emotional hunger”): oral naltrexone/bupropion sustained release at a dose of 16/180 mg twice daily;
3. Abnormal satiety (“hungry gut”): liraglutide 3 mg subcutaneous daily; or
4. Low predicted energy expenditure (“slow burn”): phentermine 15 mg daily plus increased resistance training.



What...

- PG pharmacotherapy for obesity management improves weight loss outcomes. (A) Percentage of patients achieving levels of weight loss after 1 year of either non-PG (n = 228) or PG (n = 84) treatment. (B) The average percentage of total body weight loss from BSL in non-PG (red circles) and PG (blue squares) treatment at 3, 6, and 12 months. **P < 0.01, ***P < 0.001. BSL, baseline; PG, phenotype guided.








STEP programme at a glance

Completed

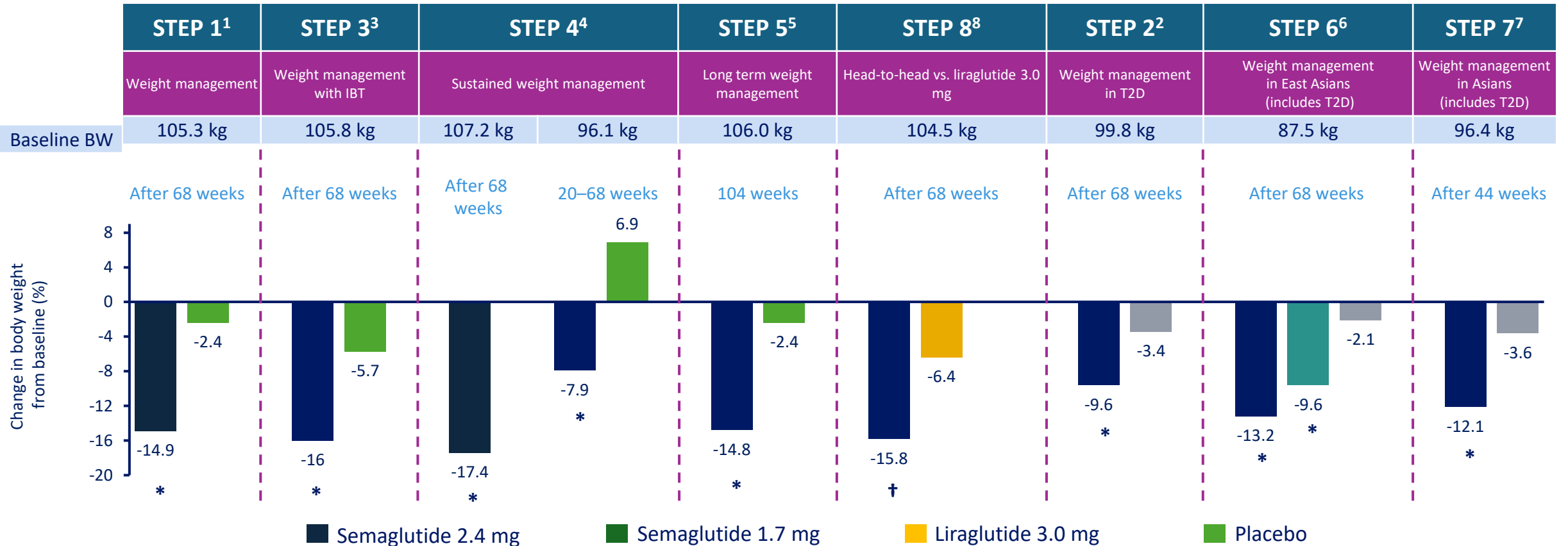
Ongoing

STEP 1  Weight management	STEP 2  WM in T2D	STEP 3  WM with IBT	STEP 4  Sustained WM	STEP 5  Long-term WM
STEP 6  East Asian trial	STEP 7  China, Brazil, Korea, Hong Kong MRCT	STEP 8  H2H vs liraglutide	STEP 10  Reversal of pre-diabetes	STEP TEENS  WM in adolescents
SELECT  CVOT	STEP HFpEF  Obesity and HFpEF	STEP HFpEF DM  Obesity and HFpEF with T2D	STEP 9  Semaglutide in knee OA	STEP 11  Obesity in Korea/Thailand

STEP Young  WM in children and adolescents	STEP UP  WM with 7.2 mg	STEP UP T2D  WM with 7.2 mg in T2D
STEP 12  Obesity in Mainland China/Taiwan	POSEY  US employer trial	

Weight loss across STEP trials

Semaglutide 2.4 mg once-weekly in participants with overweight or obesity



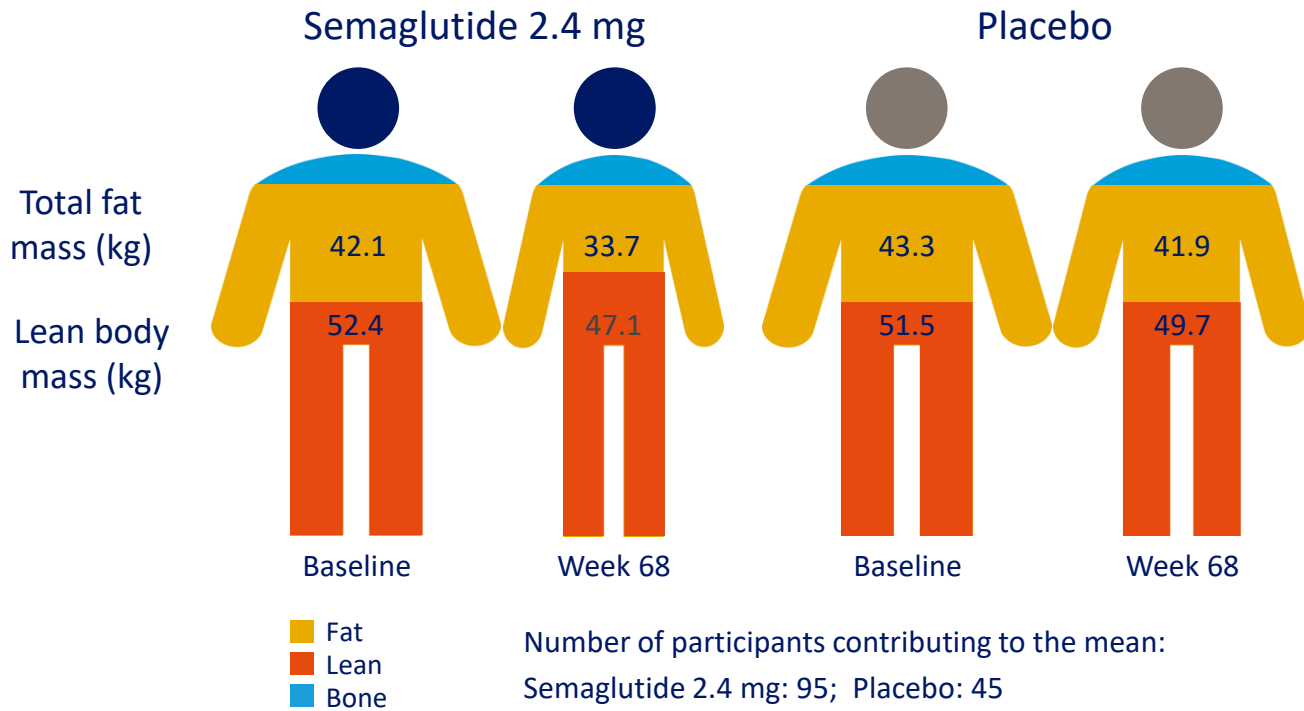
In-trial: Evaluates the treatment effect under the time from randomization to the last contact with a trial site, regardless of any discontinuation

*Statistically significant vs placebo. † Statistically significant vs. liraglutide 3.0 mg
 BW, body weight; IBT, intensive behavioural therapy.
 1. Wilfong et al. *N Engl J Med* 2021; doi:10.1056/NEJMa2032183; 2. Davies et al. *Lancet*, 2021; doi.org/10.1016/S0140-6736(21)00213-0; 3. Wadden et al. *JAMA*. doi:10.1001/jama.2021.1831; 4. Rubino et al. *JAMA*. 2021 Apr 13;325(14):1414-1425. doi: 10.1001/jama.2021.3224; 5. Garvey et al. *Nat Med* 28, 2083-2091 (2022); 6. Kadowaki et al. *The Lancet Diabetes & Endocrinology* 2022.; 7. Hansen MR, et al. Presented at the 30th European Congress on Obesity (ECO), 17-20 May 2023, Dublin, Ireland 8. Rubino et al. *JAMA* 2022; 327(2): 138-150

Change in body composition (DXA)

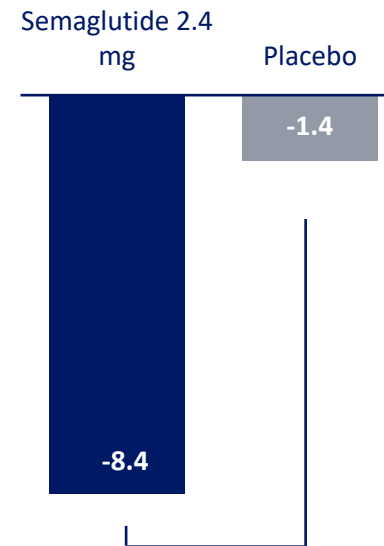
STEP 1

In-trial[§]



Total fat mass (kg)[#]

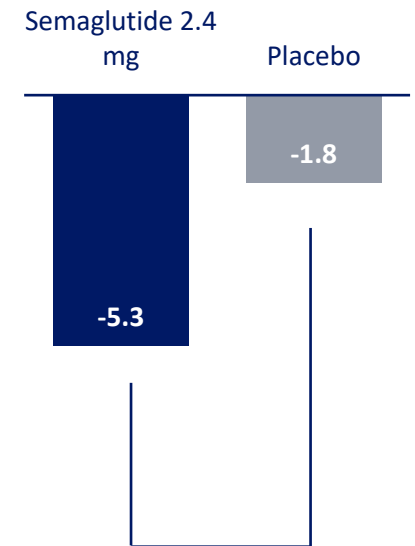
Mean baseline: 42.5 kg



ETD: -7.0 kg
95% CI: [-9.79; -4.19]

Total Lean body mass (kg)[#]

Mean baseline: 52.1 kg



ETD: -3.4 kg
95% CI: [-4.74; -2.13]

[§] Observed data for the in-trial period; [#] Estimated data for the treatment policy estimand.
CI, confidence interval; DXA, dual energy x-ray absorptiometry; ETD, estimated treatment difference.
Wilding et al. N Engl J Med 2021;384:989-1002.



- 15 week program
- 5 hours of one-on-one video access to registered dietitians
- work on knowledge translation and motivation through collaborative goal setting
- Goals around
 - dietary modification
 - increased physical activity
 - improved health promoting behaviours (for instance the goal of not missing a dose of a prescribed medication) will be monitored by Constant Health's certified wellness coaches
- Embedded food diary and recipe search engine that can accommodate a patient's preferred diet – from low-fat to keto and anything and everything in between.

<https://www.constanthealth.ca/doctor>

Other Resources

- Canada's Food Guide
 - Food guide snapshot – Other languages - Canada.ca
 - Make healthy meals with Canada's food guide plate - Canada's Food Guide – tips, snack video
- Home - Unlock Food – Dietitian –
 - developed site with general and specific healthy eating and nutrition topics, meal planning, ideas for protein, fibre sources, snacking, seniors, children etc; how to find a dietitian.
- Diabetes Menu Plan for Prevention and Management - Unlock Food -
 - sample mealplan for diabetes (M,F) and to help with portion control/balance for all patients
- information.
- Diabetes Canada | Clinical Practice Guidelines - Patient Resources –
 - note the various tools in different languages to support those where English is not their first language.
- Diabetes (diabetestoolbox.ca)
 - credible site for lifestyle management of diabetes/weight.
- Bust the Bias videos - Obesity Canada
 - short videos to help bust the bias of obesity
- Blog | My Weight What To Know –
 - great tips, videos to support healthy living, good nutrition, commentary about obesity as a chronic disease and how dieting doesn't work. My Weight Action Plan | My Weight What To Know – personalized action plan
- Nutritional Documents – Macklin Method | Patient –
 - nutrition tools to help implement the concepts of treating obesity as a chronic disease (metabolism, setting up a food diary to determine when, why and how we eat, portions and healthy meal planning, snack ideas, calorie content of common foods)
- Obesity CARE Service (obesity-care.ca) –
 - videos to help reduce the bias around weight (what is obesity?) and to learn about the factors impacting the appetite system.

Primary Strategy to preserve lean mass during weight loss

Target an appropriate energy deficit

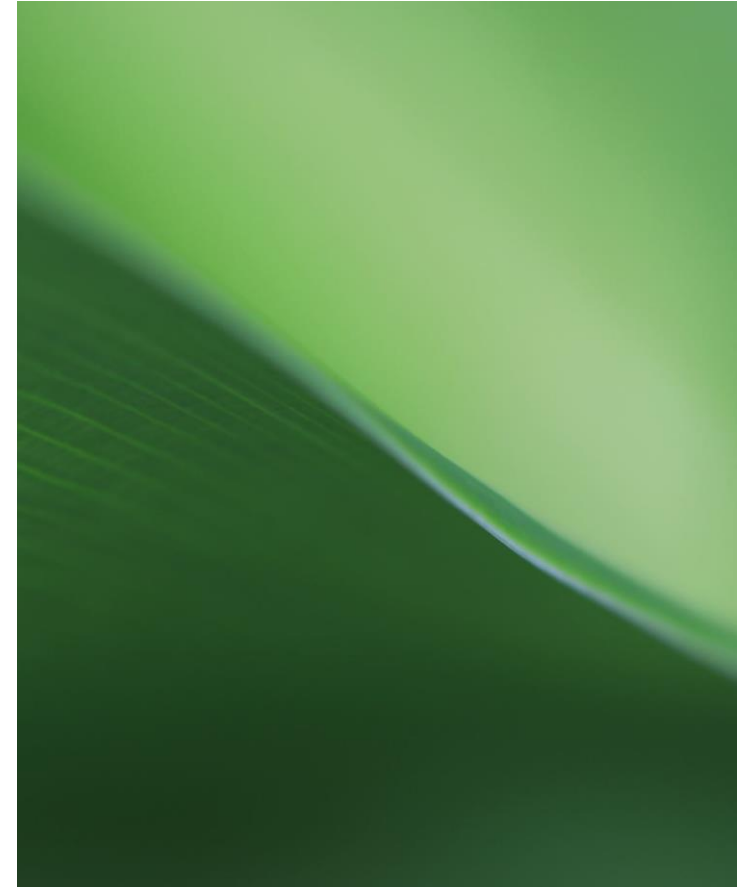
- Individualized, however targeting 1-2 lb weight loss per week is likely ideal

Promote adequate protein intake

- Can be from a combination of foods/ supplements

Resistance training

- Weight lifting, resistance bands, body weight exercises, etc

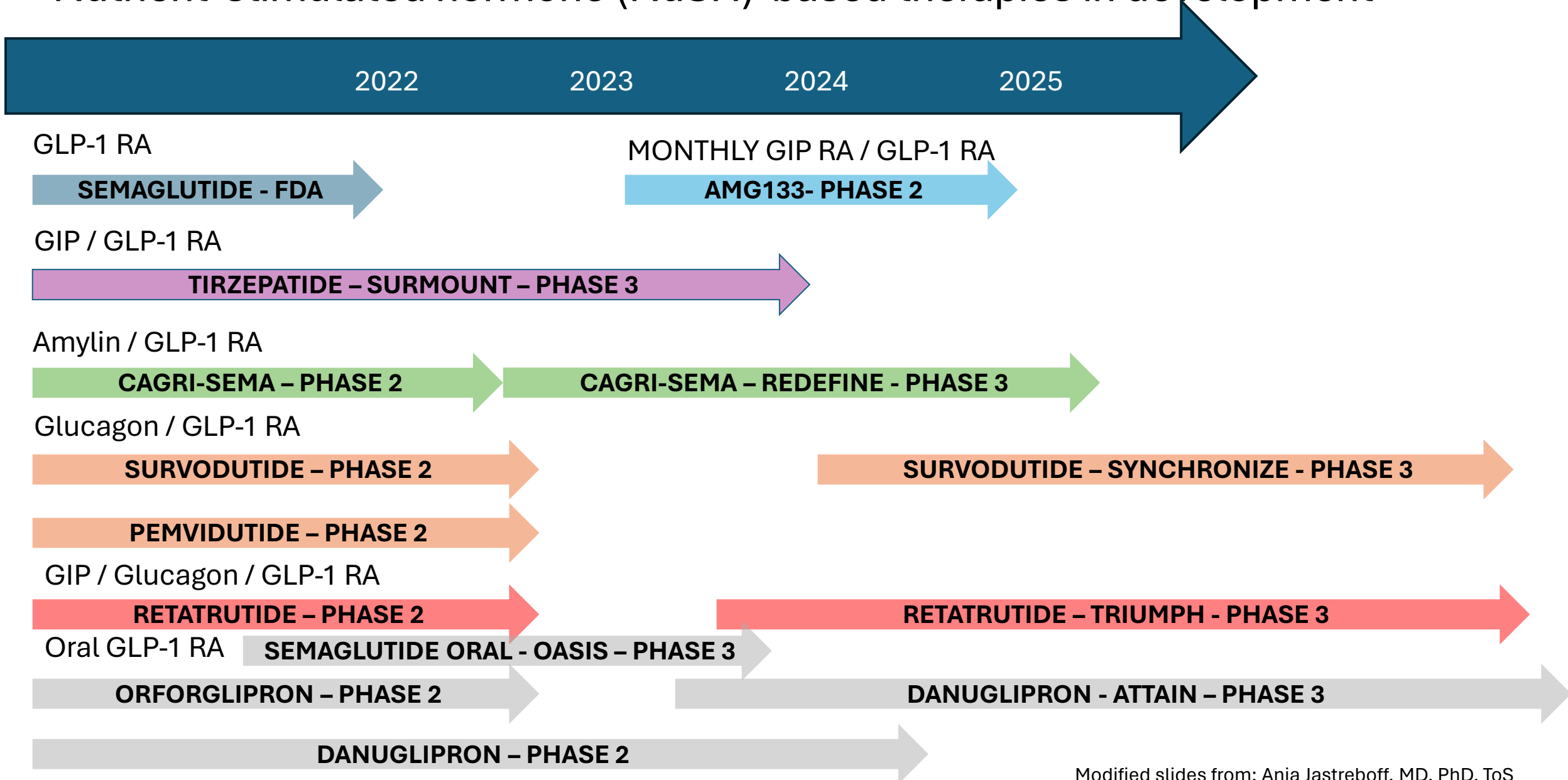




Recommendations vary

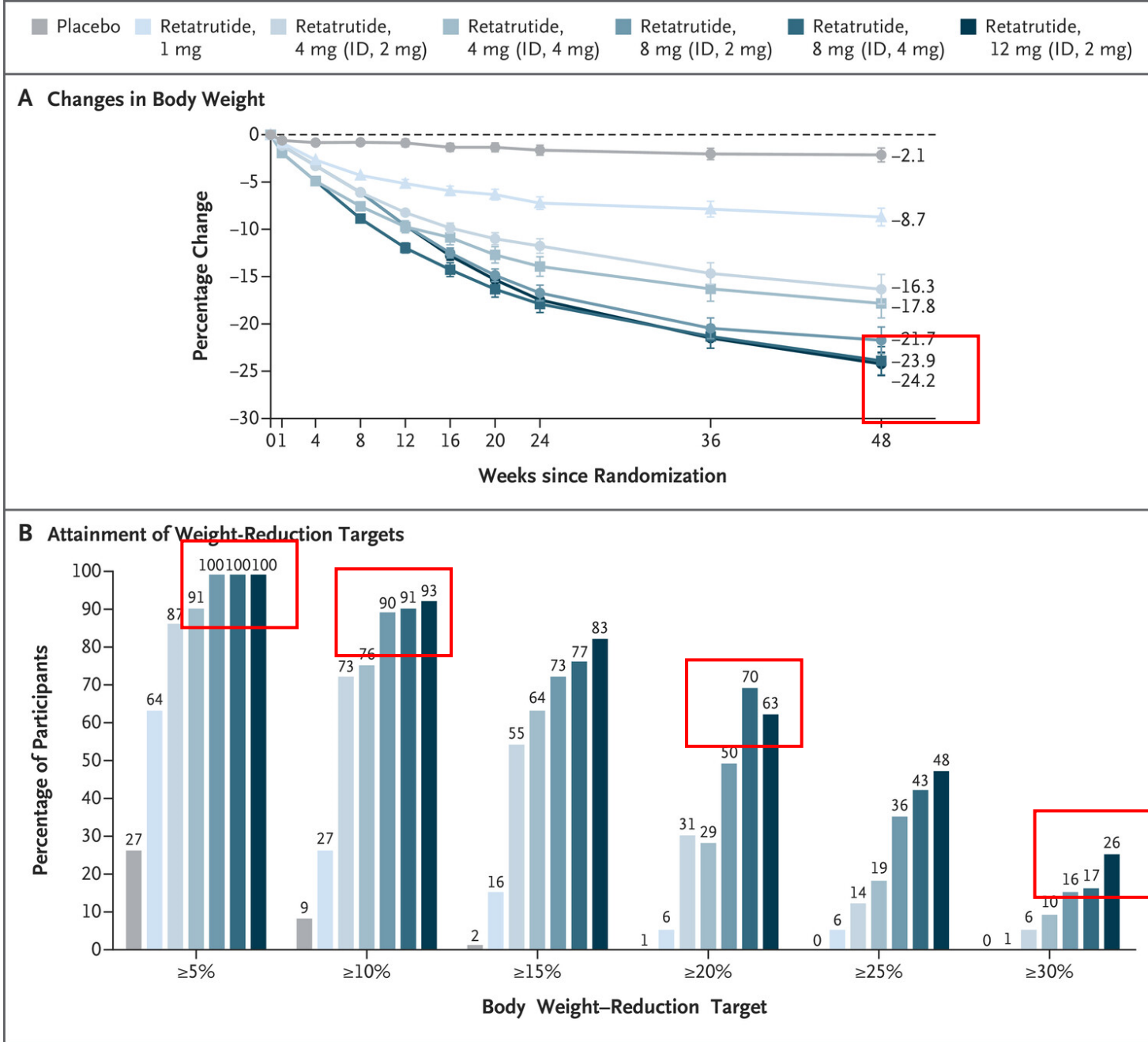
- Target ~1.0 g protein/kg/day
 - Studies have shown 1.2-1.5 g / kg preserved more lean mass than 0.8g/kg in healthy middle-age and older adults
 - CKD 3 patients
 - KDIGO guidelines suggest 0.5g/kg, but no more than 1.3g/kg. Favours plant based over animal sources
 - Post-bariatric surgery patients
 - At least 60g/day post op or 1.1g/kg/day

Nutrient-stimulated hormone (NuSH)-based therapies in development



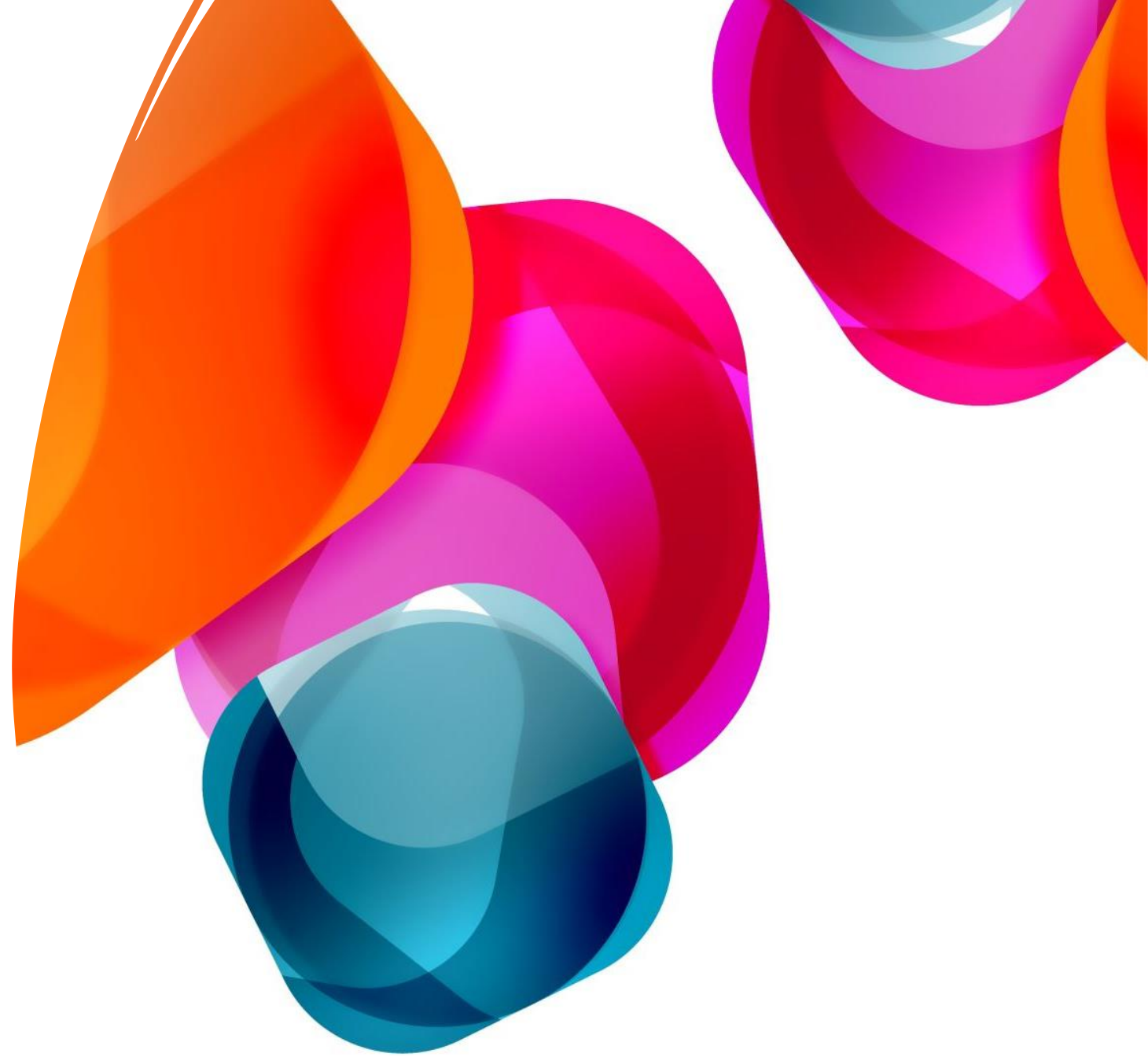
Retatrutide...

GIP/GLP-1/Glucagon
Receptor Agonist

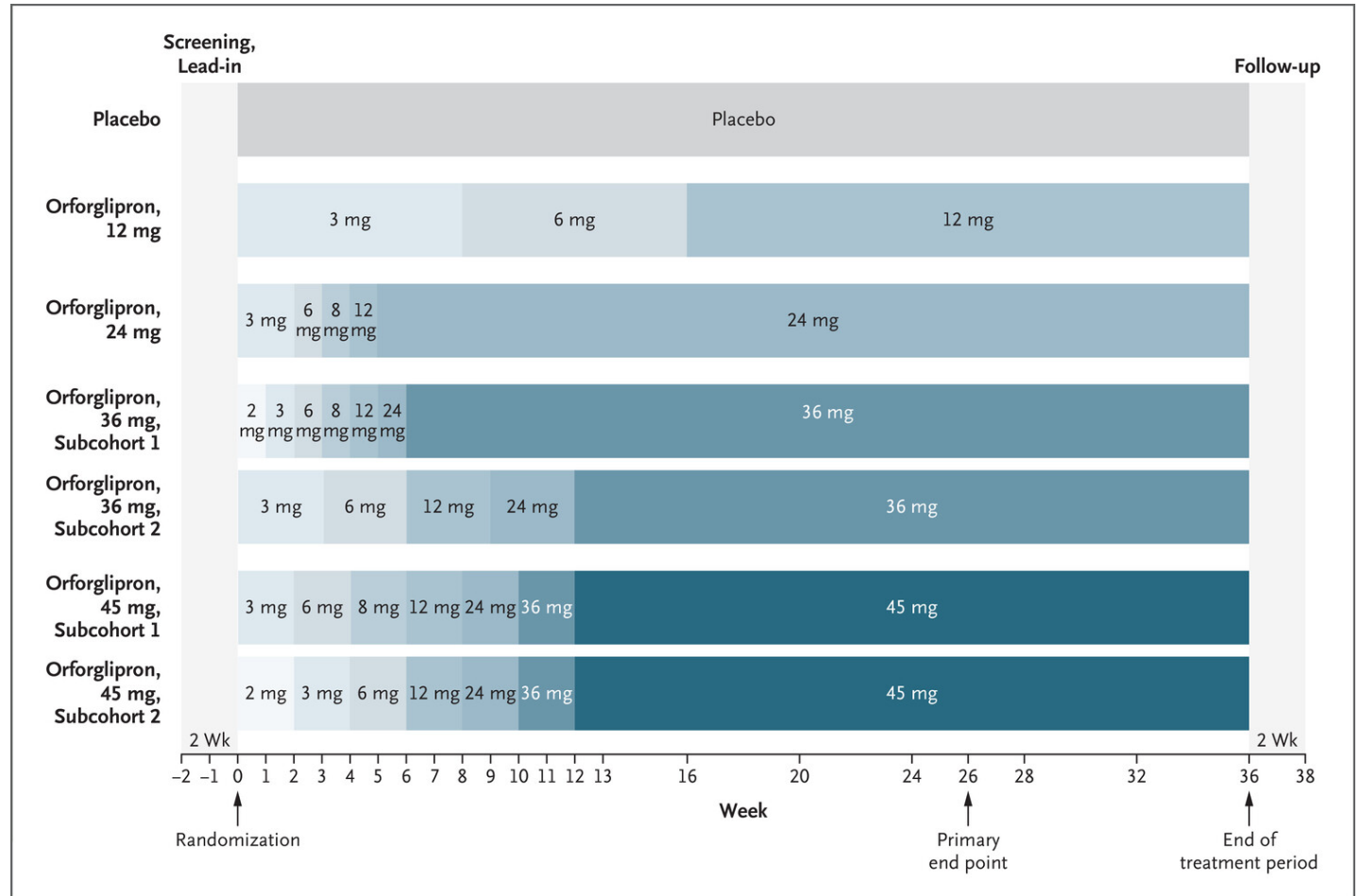


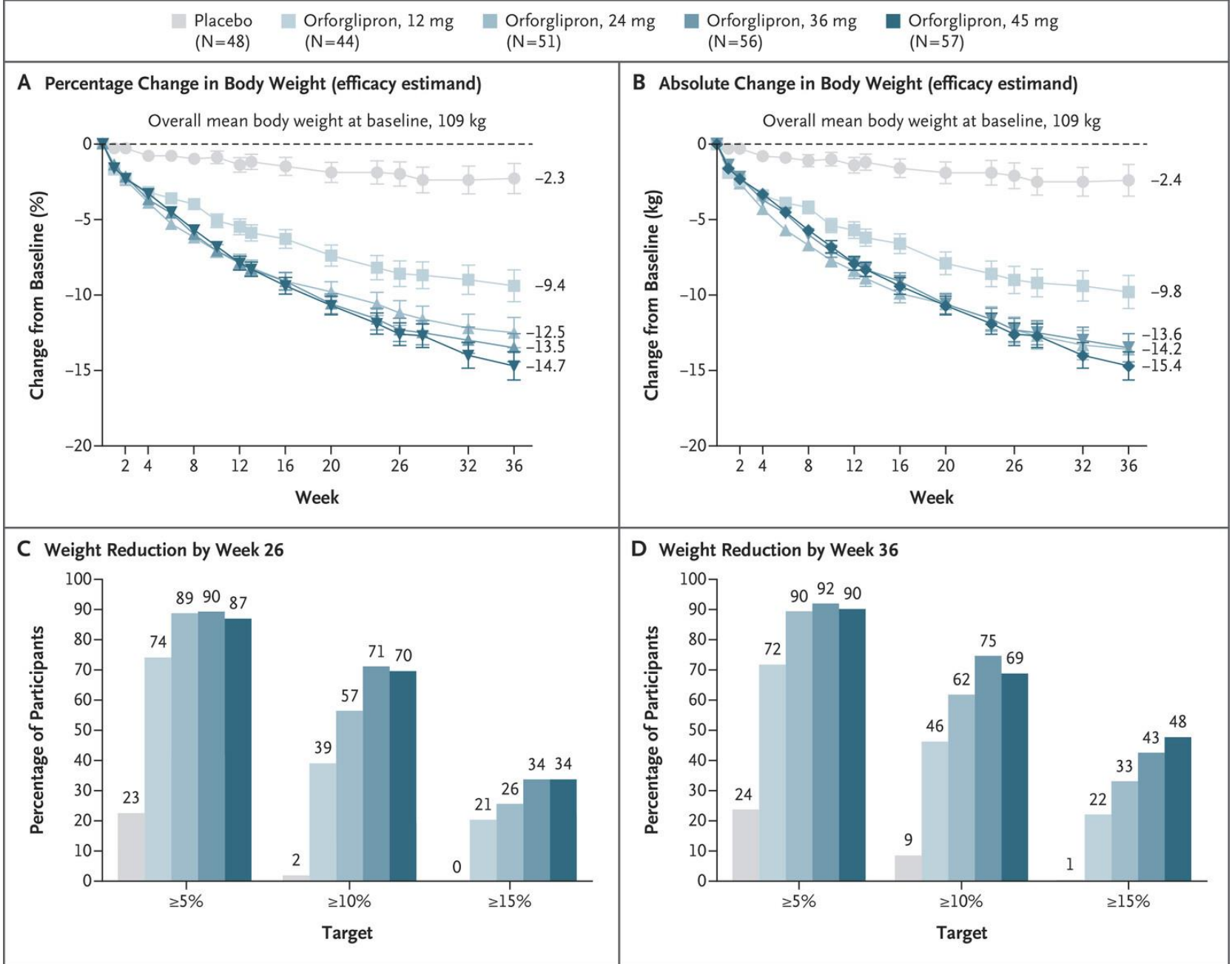
Orforglipron

Non-peptide GLP-1 RA



Design of the trial

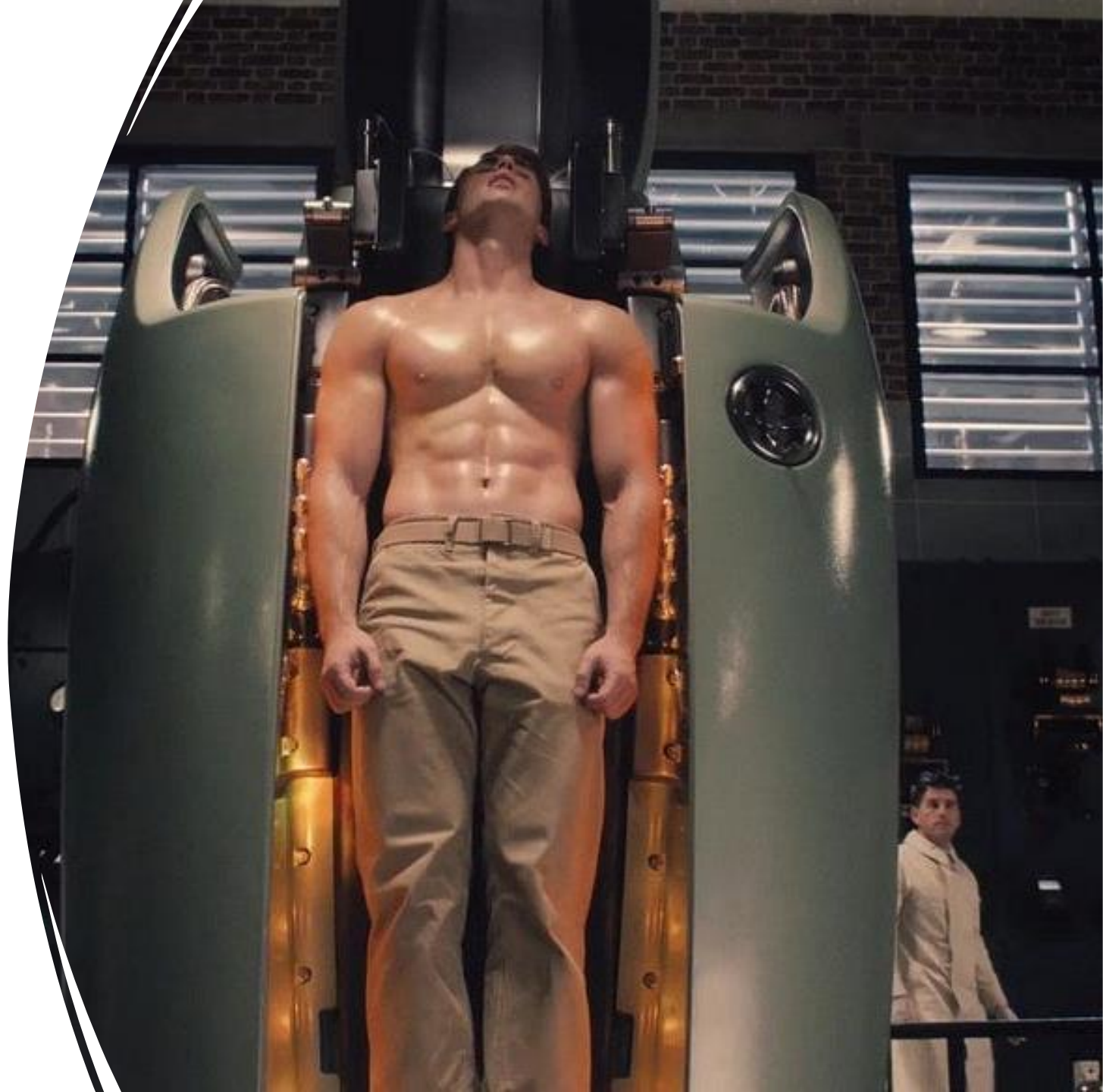




Wharton, S., Blevins, T., Connery, L., Rosenstock, J., Raha, S., Liu, R., Ma, X., Mather, K. J., Haupt, A., Robins, D., Pratt, E., Kazda, C., & Konig, M. (2023). Daily Oral GLP-1 Receptor Agonist Orforglipron for Adults with Obesity. In *New England Journal of Medicine* (Vol. 389, Issue 10, pp. 877–888). Massachusetts Medical Society. <https://doi.org/10.1056/nejmoa2302392>

Bimgrumab

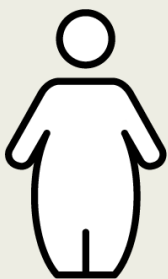
an antibody that blocks activin type II receptors and stimulates skeletal muscle growth...



RCT: Effect of Bimagrumab vs Placebo on Body Fat Mass Among Adults With Type 2 Diabetes and Obesity

POPULATION

40 Men, 35 Women

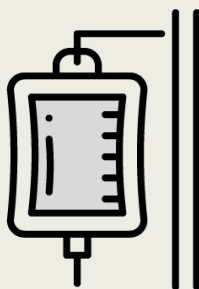


Adults with BMI of 28-40, type 2 diabetes, glycated hemoglobin levels of 6.5%-10.0%, and stable body weight of 65-140 kg

Mean (SD) 60.4 (7.7) y

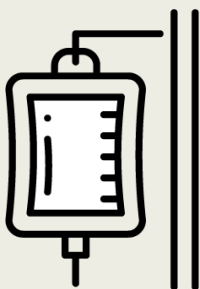
INTERVENTION

58 Individuals randomized and analyzed



27 Bimagrumab

Bimagrumab 10 mg/kg, up to a maximum of 1200 mg, in 5% dextrose solution, IV infusion over 30 minutes, every 4 wk for 48 weeks (12 doses)



31 Placebo

5% dextrose solution, IV infusion over 30 minutes, every 4 weeks for 48 wk (12 doses)

SETTINGS / LOCATIONS



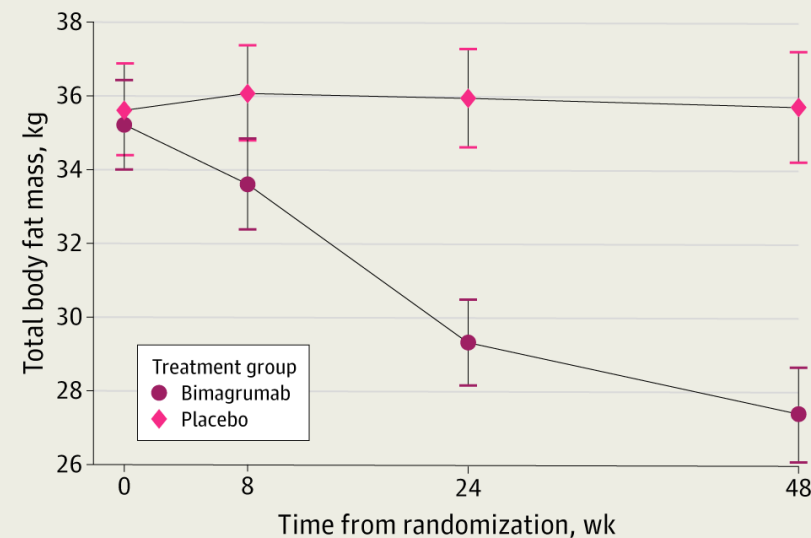
9 sites, 8 in the US and 1 in Wales, UK

PRIMARY OUTCOME

Primary end point was least squares mean change from baseline in total body fat mass in kg at 48 wk

FINDINGS

Total body fat mass decreased by 21% in patients receiving bimagrumab vs 0.5% in those treated with placebo (7.31 kg difference)



Total body fat mass decrease at 48 wk

Bimagrumab group: 21% (-7.49 kg, 80% CI, -8.33 to -6.64 kg)

Placebo group: 0.5% (-0.18 kg, 80% CI, -0.99 to 0.63 kg)

Difference: -7.31 kg (80% CI, -8.48 to -6.14 kg; P < 0.001)

Table 2. Major End Points

End Point	Change (80% CI) [Participants, No.] ^a			P value
	Bimagrumab ^b	Placebo ^b	Difference ^b	
Primary				
FM, kg	-7.49 (-8.33 to -6.64) [26]	-0.18 (-0.99 to 0.63) [29]	-7.31 (-8.48 to -6.14)	<.001
Secondary				
Lean mass, kg	1.70 (1.14 to 2.26) [26]	-0.44 (-0.97 to 0.09) [29]	2.14 (1.36 to 2.93)	<.001
Body weight, kg	-5.90 (-7.08 to -4.71) [26]	-0.79 (-1.92 to 0.33) [30]	-5.10 (-6.74 to -3.47)	<.001
BMI	-2.19 (-2.60 to -1.78) [26]	-0.28 (-0.67 to 0.11) [30]	-1.91 (-2.48 to -1.34)	<.001
Waist circumference, cm	-9.00 (-10.3 to -7.68) [26]	0.45 (-0.79 to 1.69) [30]	-9.46 (-11.3 to -7.64)	<.001
Waist-to-hip ratio	-0.05 (-0.06 to -0.04) [26]	0.01 (0.00 to 0.02) [30]	-0.06 (-0.08 to -0.04)	<.001
HbA _{1c} , %	-0.76 (-1.05 to -0.48) [26]	0.04 (-0.23 to 0.31) [30]	-0.80 (-1.20 to -0.41)	.005
HOMA2, week 36	-0.09 (-0.44 to 0.25) [25]	0.57 (0.24 to 0.90) [27]	-0.66 (-1.14 to -0.18)	.08
QUICKI, week 36	0.01 (0.01 to 0.01) [26]	0.00 (0.00 to 0.00) [30]	0.01 (0.00 to 0.01)	.03
Matsuda Index	3.15 (2.39 to 3.91) [26]	1.78 (1.05 to 2.51) [28]	1.37 (0.31 to 2.43)	.10
Exploratory				
Hepatic fat fraction, %				
Week 24	-4.60 (-6.07 to -3.12) [18]	0.23 (-1.61 to 2.08) [11]	-4.83 (-7.20 to -2.46)	.006
Week 48	-7.00 (-8.58 to -5.43) [5]	-2.33 (-4.16 to -0.51) [5]	-4.67 (-7.09 to -2.25)	.01
Abdominal SAT, L				
Week 24	-0.97 (-1.37 to -0.56) [18]	-0.14 (-0.65 to 0.37) [11]	-0.83 (-1.48 to -0.18)	.05
Week 48	-1.71 (-2.40 to -1.03) [5]	-0.52 (-1.30 to 0.26) [4]	-1.19 (-2.23 to -0.15)	.07
Abdominal VAT, L				
Week 24	-1.49 (-1.69 to -1.29) [18]	0.22 (-0.03 to 0.48) [11]	-1.71 (-2.04 to -1.39)	<.001
Week 48	-1.52 (-2.42 to -0.62) [5]	-0.01 (-1.05 to 1.03) [4]	-1.51 (-2.87 to -0.14)	.08

Abbreviations: BMI, body mass index (calculated as weight in kilograms divided by height in meters squared); FM, body fat mass; HbA_{1c}, glycated hemoglobin; HOMA2, homeostasis model assessment; QUICKI, quantitative insulin sensitivity check index (calculated as 1/[log(fasting insulin, μU/mL)] + log(fasting glucose, mg/dL)); SAT, subcutaneous adipose tissue; VAT, visceral adipose tissue.

SI conversion factor: To convert HbA_{1c} to proportion of total hemoglobin, multiply by 0.01.

^a Change from baseline to week 48, unless otherwise noted, in the end point.

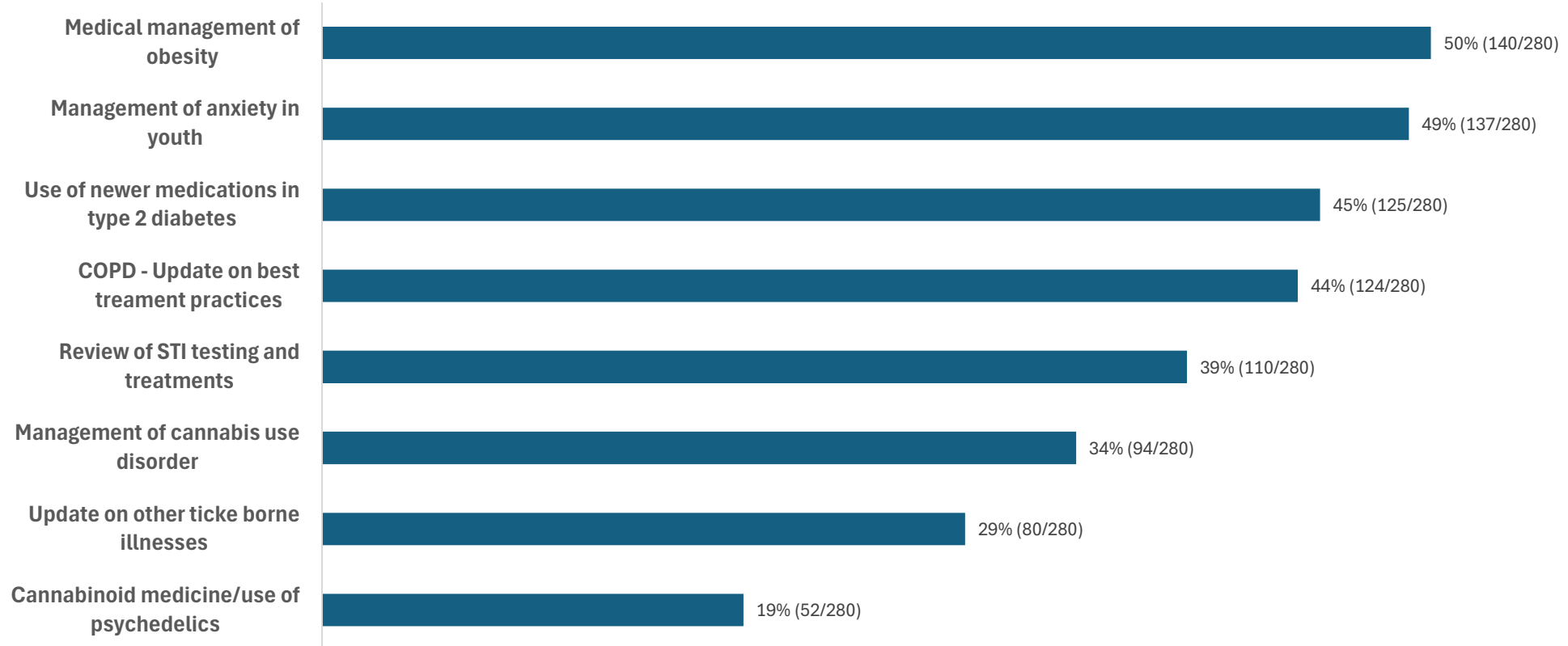
^b This model has change from baseline FM in kilograms as the dependent variable and treatment group, time, and a time × treatment group interaction as fixed effects. Baseline FM and baseline BMI values were included in the model as covariates. Time was modeled as a categorical variable. An unstructured within-participant covariance was used.

Activin receptor inhibitors

Bimagrumab	<ul style="list-style-type: none">• Monoclonal antibody that binds activin type II receptor (ACTRII)• Phase 2 study in individuals with T2D• BELIEVE study (Phase 2b): bimagrumab + semaglutide
Taldefgrobep	<ul style="list-style-type: none">• Fusion protein that binds active myostatin, inhibits signaling through ACTRII• Developed for Duchenne Muscular Dystrophy• Completed pre-IND engagement with FDA for the indication of obesity• Phase 2 obesity study with taldefgrobep is planned to start in 2024
SRK-439	<ul style="list-style-type: none">• Myostatin inhibitor• Initial focus on obesity• Proof of concept study apitegromab + GLP-1 RA (phase 2 2024)• Developed for Spinal Muscular Atrophy

Future Topics Poll Results

May 17 2024 CoP



Register for Health Alerts – OHIP & PHO

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3. Select the Subscribe button

OHIP INFOBulletin Registration

<https://mailchi.mp/ontario/infobulletin-en>

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First Name * **Last Name ***

Email * **Confirm Email ***

Password * **Confirm Password ***

MyPHO Registraion

<https://account.publichealthontario.ca/signup.aspx>

PHO News

<https://www.publichealthontario.ca/en/About/News>

Register for Health Alerts – Your Region

PUBLIC HEALTH ALERT - REGISTRATION



* Indicates required field

* First name

* Last name

* Type of Organization/Facility

* Name of Organization/Facility

* Profession/Role

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Get medical advisories and memos (alerts and urgent notices) from Niagara Region Public Health. You can also opt in to the monthly Physicians' Newsletter, which covers public health topics tailored for physicians, nurse practitioners, nurses and other allied health professionals.

First name

Last name

Email

Simcoe Muskoka Public Health Updates

<https://www.simcoemuskokahealth.org/JFY/HPPortal/ResourcesTools/RAVE-Collection-of-Contact-Information>

Niagara Region Public Health Updates

<https://www.niagararegion.ca/health/professionals/medical-advisories.aspx>

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Comprehensive epidemiological data, including human case and mosquito surveillance, on West Nile virus (WNV) illness in Toronto. This publication for health professionals and the public is updated frequently during an active WNV period. See more details about [the surveillance of human cases of WNV](#).

Toronto Public Health Updates

<https://www.toronto.ca/community-people/health-wellness-care/information-for-healthcare-professionals/archived-newsletters-for-health-professionals/subscribe-to-tph-updates/>

OCFP supports for Mental Health, Addictions and Chronic Pain

Mental health, addictions and chronic pain are challenging conditions. Find information to support the care you give patients – in a way that also considers your wellbeing.

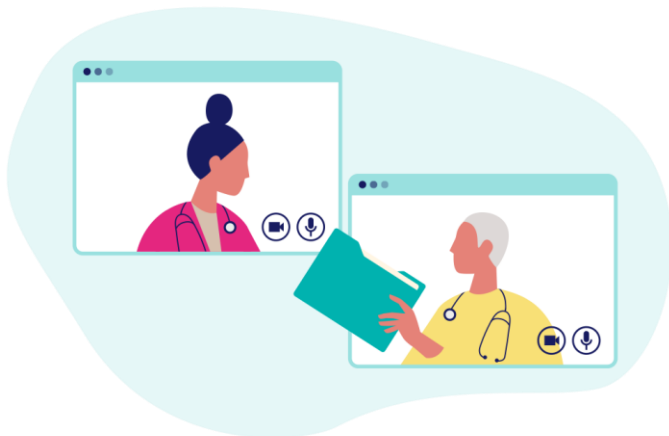


Community of Practice

Join upcoming sessions:

Gender affirming care
(June 26)

Preventing burnout
(July 24)



Peer Connect Mentorship

Receive tailored support to skillfully respond to mental health issues, address substance use disorders, and chronic pain challenges in your practice.

Join



CanTreatCOVID

Canadian Adaptive Platform Trial of Treatments
for COVID in Community Settings

Who can participate?

- Adults who **tested positive for COVID** with symptoms starting within the last 5 days and
- aged 18-49 years with one or more chronic condition(s) **OR** aged 50+ years regardless of health status

Compensation: Healthcare providers - \$40 for referring potentially eligible participants
Patients - up to \$120 while in the study

Why participate?

- Close monitoring
- Personalized care
- Contribution to medical research
- Participate online or by phone call

 1-888-888-3308

 CanTreatCOVID.org

 info@CanTreatCOVID.org

CanTreatCOVID is led by Dr. Andrew Pinto and supported by



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Agency of Canada

Agence de la santé
publique du Canada

RECENT SESSIONS

February 23	COVID-19 and Measles Updates, and Supporting Primary Care	Dr. Megan Devlin Dr. Elizabeth Muggah
March 22	Infectious Disease Updates and Management of Menopause	Dr. Zain Chagla Dr. Susan Goldstein Dr. Daniel Warshafsky
April 5	Infectious Disease and Updates to Osteoporosis Canada Guidelines	Dr. Gerald Evans Dr. Sid Feldman
April 26	Infectious Disease Updates and Approaching ADHD	Dr. Allison McGeer Dr. Joan Flood,
May 17	Infectious Disease and Practical Tips for Practice Management & AI	Dr. Daniel Pepe Dr. Alon Vaisman Dr. Ali Damji

Previous webinars & related resources:

<https://www.dfcu.utoronto.ca/covid-19-community-practice/past-sessions>

Accessing Previous Sessions and Self Learning

Previous webinars & related resources

<https://www.dfc.m.utoronto.ca/covid-19-community-practice/past-sessions>

The screenshot shows the website interface for the DFCM COVID-19 Community of Practice. The main heading is 'Past COVID-19 Community of Practice sessions'. Below the heading, there is a paragraph describing the program: 'The COVID-19 Community of Practice is a space for family physicians across Ontario to connect and learn from each other. Approximately once a month, practicing family physicians share their perspectives on COVID-related topics ranging from implementing virtual care, to organizing community collaborations, and supporting patients with mental health and addiction. These one-hour webinars are interactive and questions from participants are answered in real-time where possible. Each session is recorded and shared after the event, including links to notable resources.' The left sidebar contains a navigation menu with items like 'About the QI Program', 'QI Courses', 'COVID-19 Community of Practice', 'Past COVID-19 Community of Practice sessions', 'Practical Tools for Practices to Improve Quality', 'Learning Health Systems', and 'Patient Engagement at DFCM'. The top navigation bar includes 'Education', 'Residency', 'Grad Studies', 'Research', 'Community & Partnerships', 'Quality & Innovation', 'Divisions', 'Faculty', and 'About'.

- QI Courses >
- COVID-19 Community of Practice >
- Past COVID-19 Community of Practice sessions
- Practical Tools for Practices to Improve Quality >
- Learning Health Systems >
- Patient Engagement at DFCM >

Self-learning program

The COVID-19 CoP session materials, including recordings, tools, and resources are available as self-learning modules.

This one-credit-per-hour Group Learning program has been certified by the College of Family Physicians of Canada and the Ontario Chapter for up to 80 credits.

To participate in this self-learning:

- Select the dates/sessions you wish to participate in. You are welcome to complete as many sessions as you wish.
- Watch the video recording of the live session.
- Review the session tools and resources.
- Complete the self-learning post-session activity, click the button below.

[Complete self-learning activity](#)

- QI Courses >
- COVID-19 Community of Practice >
- Past COVID-19 Community of Practice sessions
- Practical Tools for Practices to Improve Quality >
- Learning Health Systems >
- Patient Engagement at DFCM >

Past sessions

Each item below includes session details, the webinar recording and linked resources.

	Expand All
Winter virus season and changes to breast cancer screening in Ontario (Dec 15, 2023)	+
COVID-19 Updates and the New Ontario Structured Psychotherapy Program (Nov 17, 2023)	+
Respiratory and Flu Season: Counselling Kids and Balancing Workload (Oct 27, 2023)	+
Update on COVID-19, influenza and RSV vaccines (Oct 6, 2023)	+
Preparing for the fall (Sept 15, 2023)	+
COVID Updates and Addressing Physician Burnout (July 28, 2023)	+

Questions?

Webinar recording and curated Q&A will be posted soon

<https://www.dfcu.utoronto.ca/covid-19-community-practice/past-sessions>

Our next Community of Practice: June 21, 2024

Contact us: ocfpcme@ocfp.on.ca

Visit: <https://www.ontariofamilyphysicians.ca/tools-resources/covid-19-resources>

The COVID-19 Community of Practice for Ontario Family Physicians is a one-credit-per-hour Group Learning program that has been certified for up to a total of 32 credits..

Post session survey will be emailed to you. Mainpro+ credits will be entered for you with the information you provided during registration.