

Identified or perceived conflict of interest has been resolved

in accordance with ACCME guidelines.

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Faculty Disclosures

Dr. Ryan has the following disclosures:

Consulting Fees: Alyvent, Amgen, Bausch Health, Boehringer Ingelheim, Epitomee, Gila Therapeutics, IFA Celtic, Janssen, KVK Tech, Novo Nordisk, Phenomix, Quintiles, Real Appeal (United Health), ReDesign Health, Sanofi, Scientific Intake

Commercial Interest Speakers Bureau: Novo Nordisk

Contracted Research: SELECT Steering Committee (Novo Nordisk)

Ownership Interest: Gila Therapeutics, Phenomix, Xeno Bioscience, Epitomee, ReDesign

Health, Scientific Intake



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Objectives

- Identify women with obesity and determine their comorbidity risk, with a focus on T2DM and CVD
- Associate the hormonal role in energy regulation and metabolic adaptations to the pathophysiology of obesity in women
- Apply guideline-based algorithms to appropriately individualize treatment for women with obesity that is poorly managed with diet and exercise
- Develop strategies to improve communication and engage patients in shared-decision making during annual health visits

Women's Health



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Factors that Drive Weight Gain Across the Lifespan

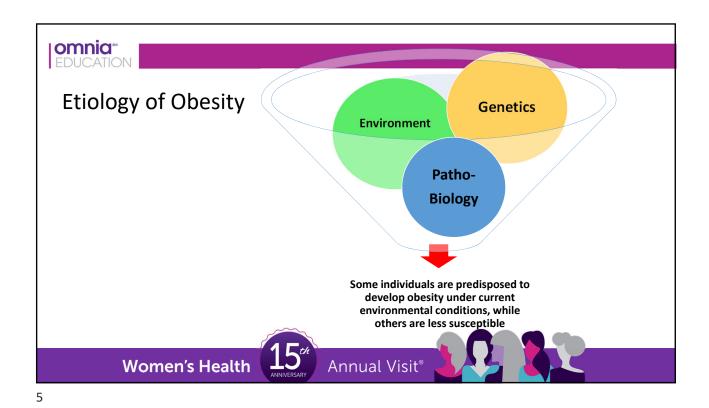
- Medications
- Poor sleep, shift work
- Poor eating behavior/processed foods
- Emotional stress
- Smoking Cessation
- Marriage
- Alterations in the growth trajectory through adolescence
- Post-pregnancy weight retention
- Menopause (body fat distribution)

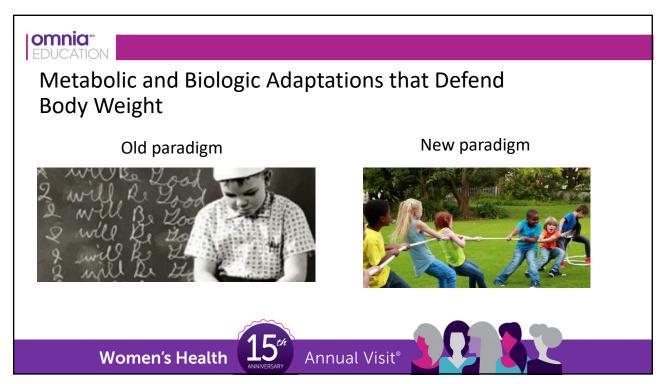
Women's Health



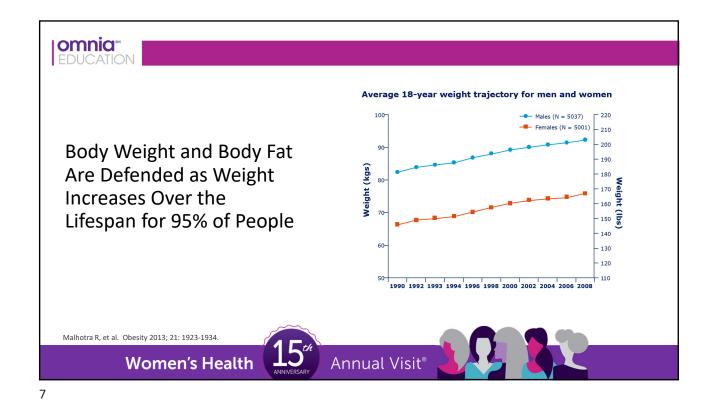
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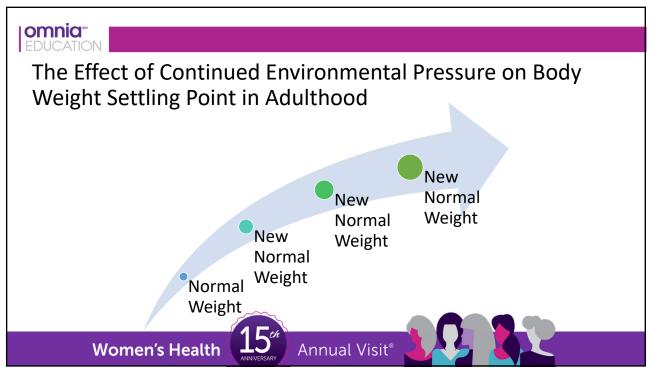


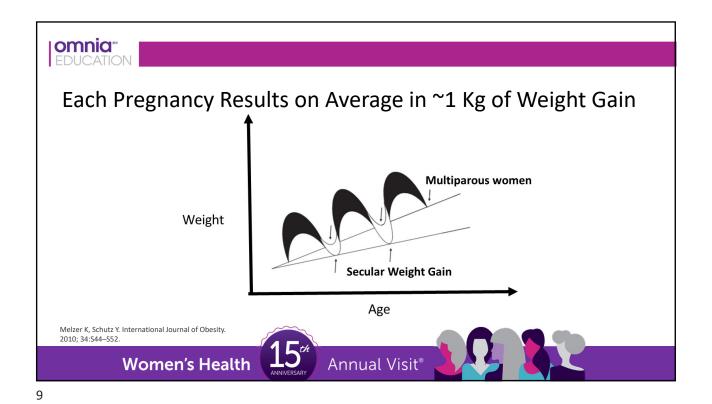


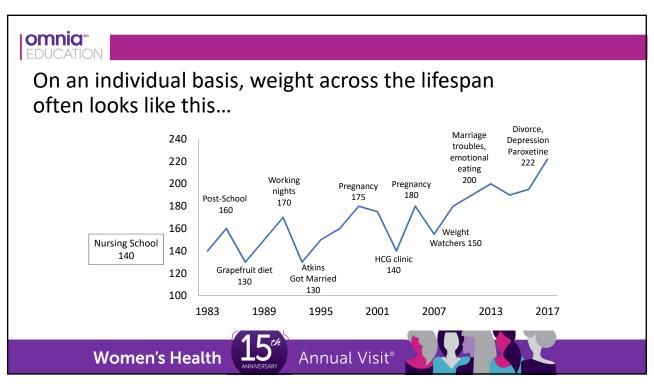


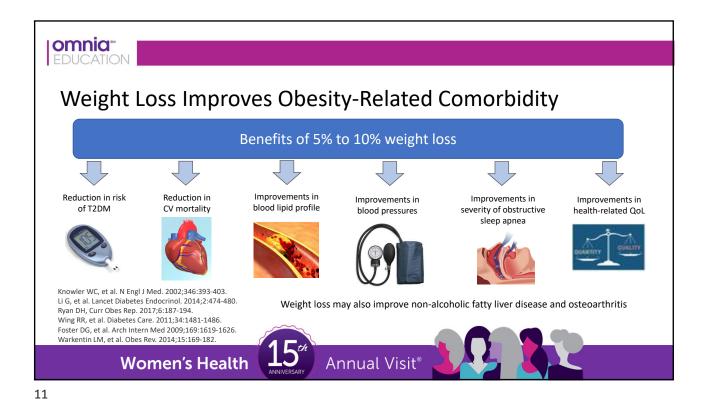
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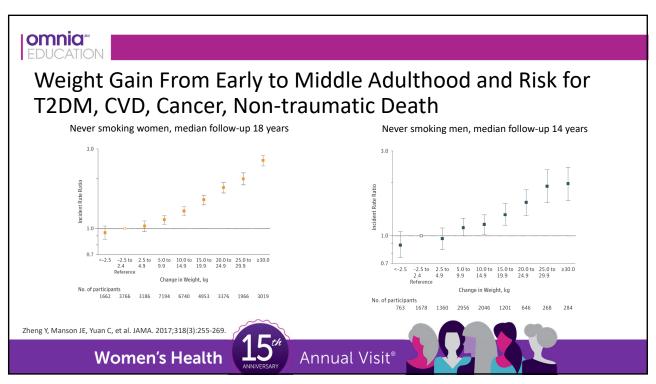














Pharmacologic Therapies

Agent	Action	Approval by US FDA	Scheduled Drug
Phentermine	Sympathomimetic amine; norepinephrine release and to lesser extent releases other monoamines	Approved 1959	YES
Orlistat	Pancreatic lipase inhibitor; Blocks absorption of 30% of ingested dietary fat	Approved 1999 OTC Approved 2006	NO
Lorcaserin	 5-HT_{2C} serotonin agonist Little affinity for other serotonergic receptors 	Approved 2012	YES
Phentermine/ Topiramate ER	Sympathomimetic Anticonvulsant (GABA receptor modulator carbonic anhydrase inhibitor, glutamate antagonist)	Approved 2012	YES
Naltrexone ER/ Bupropion ER	Opioid receptor antagonistDopamine/norepinephrine reuptake inhibitor	Approved 2014	NO
Liraglutide	GLP-1 receptor agonist	Approved 2014	NO

OTC = over the counter; ER = extended release; GABA = gamma-aminobutyric acid

www.accessdata.fda.gov/scripts/cder/drugsatfda

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