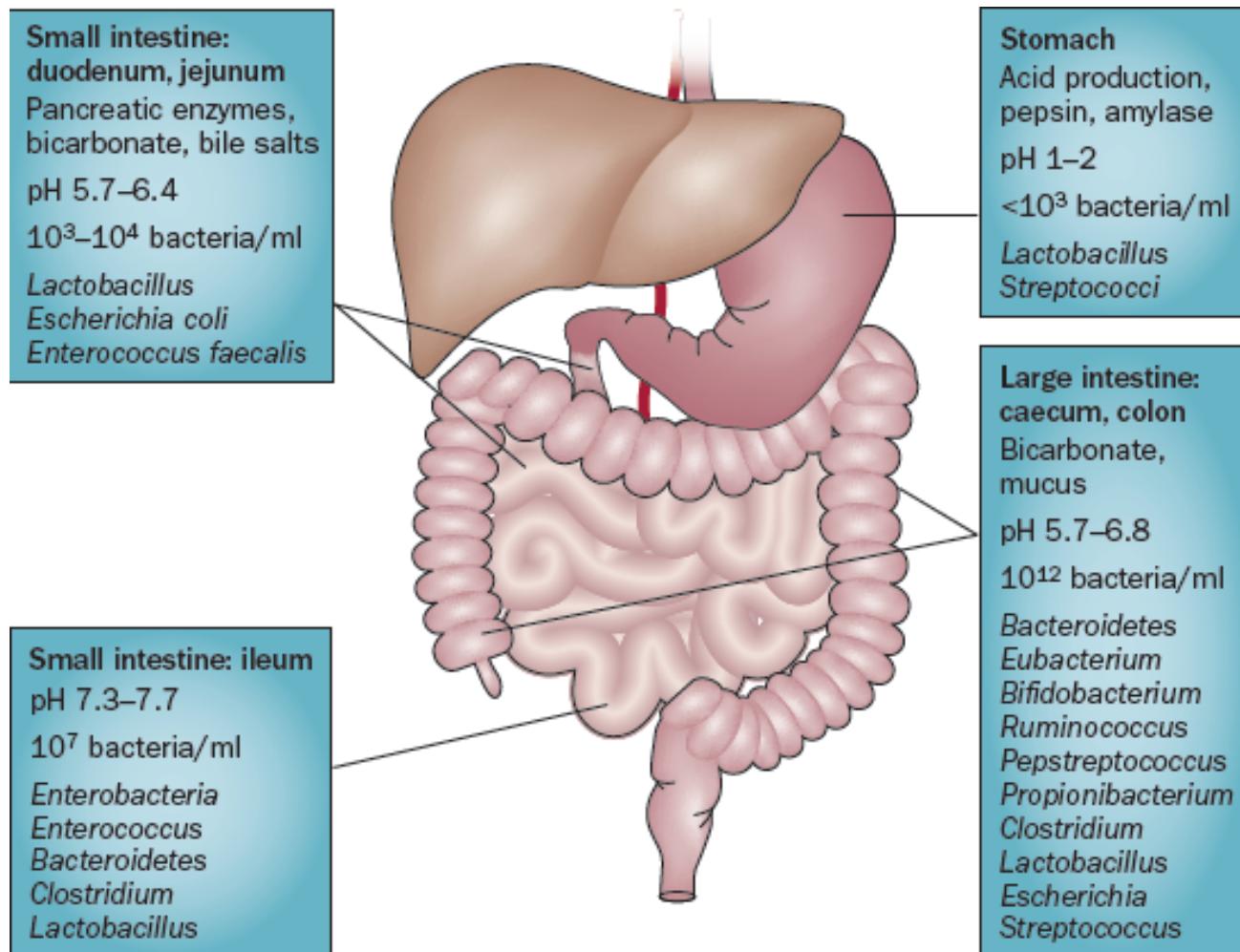


Microbiote et obésité

Aron Wisnewky et al Nature, 2012;9:590-98



90 % : phyla Bacteroidetes et Firmicutes

Une nouvelle classification de la flore

- **Human microbiome project**
 - 40 % des gènes bactériens partagés avec au moins 50 % de la population
 - Rôle de la diversité?
 - **Enterotype 1:** Bacteroides / consommation protéines animales + AGS
 - **Enterotype 2:** Prevotella/consommation de glucides
 - **Enterotype 3:** Ruminococcus

Flore digestive

différence obèse/non obèse/chirurgie bariatrique

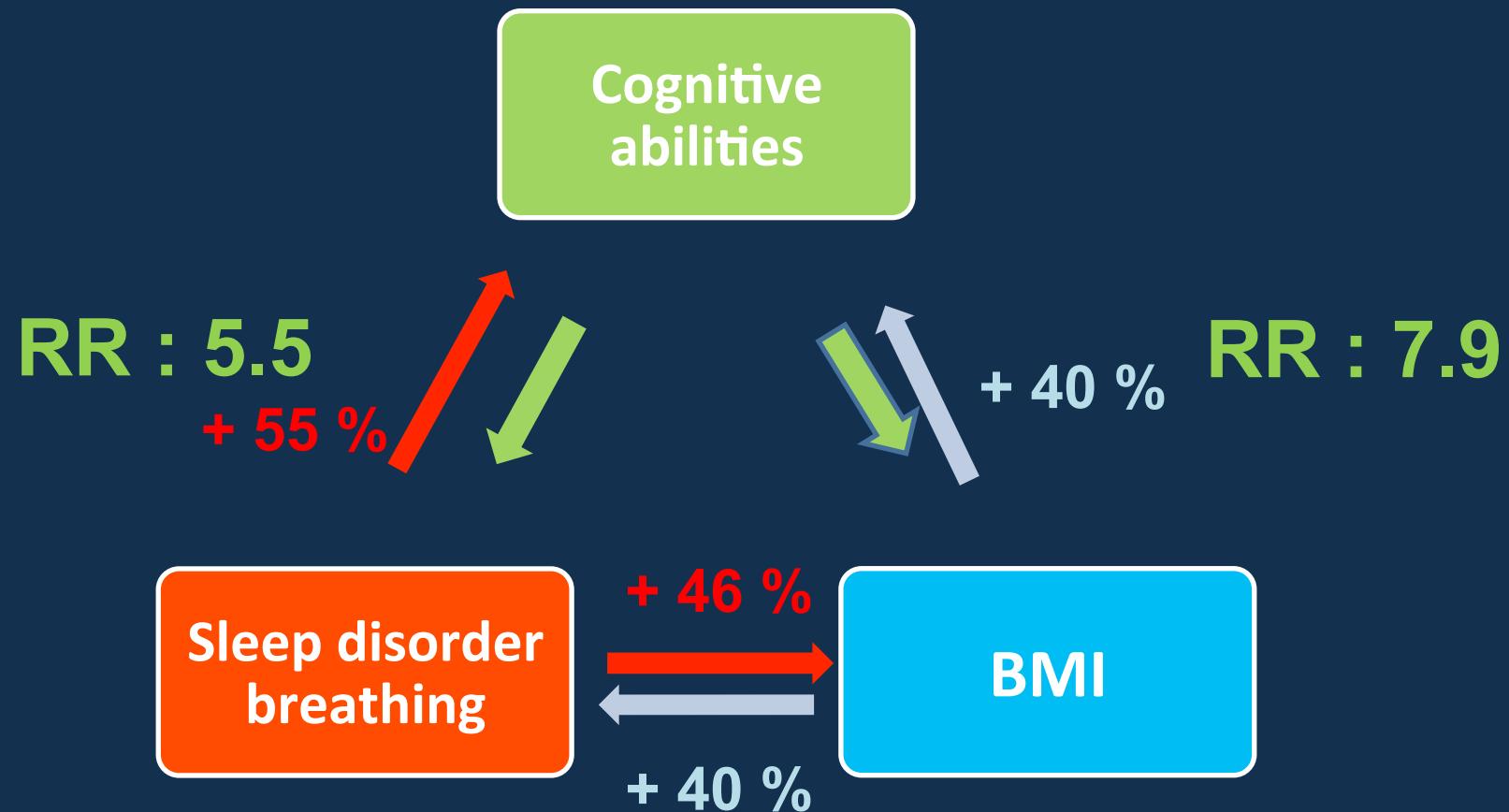
– Obèse:

- flore moins variée, moins abondante
- Diminution de la variété associée au métabolisme
- Augmentation des Firmicutes/ diminution des Bacteroidetes indépendamment de la consommation alimentaire
- Présence **exclusive** des Prevotellaceae & Archea : impliquées dans l'extraction des glucides indigestes

– Chirurgie bariatrique

- Flore plus variée
- Diminution des Firmicutes

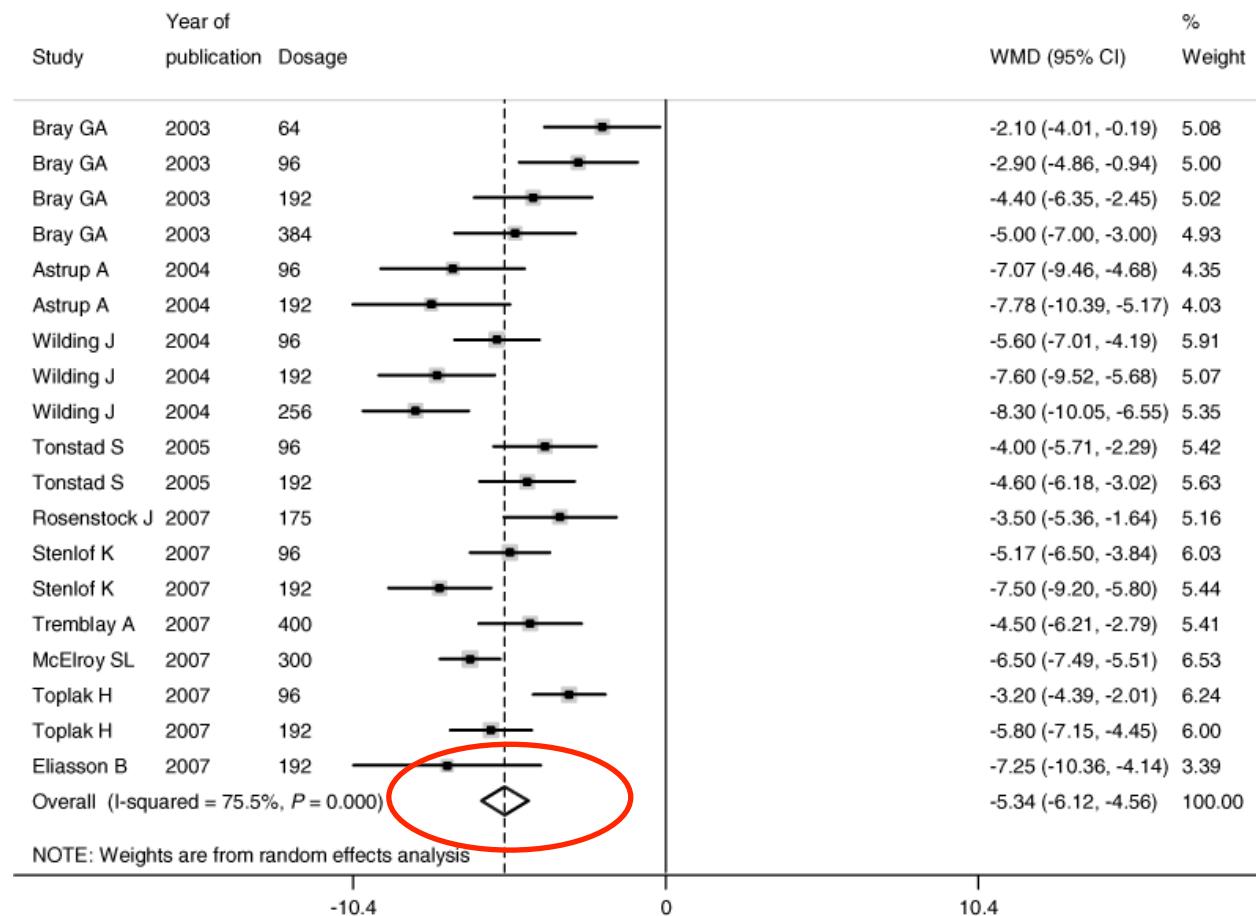
Body weight cognition and sleep disordered breathing



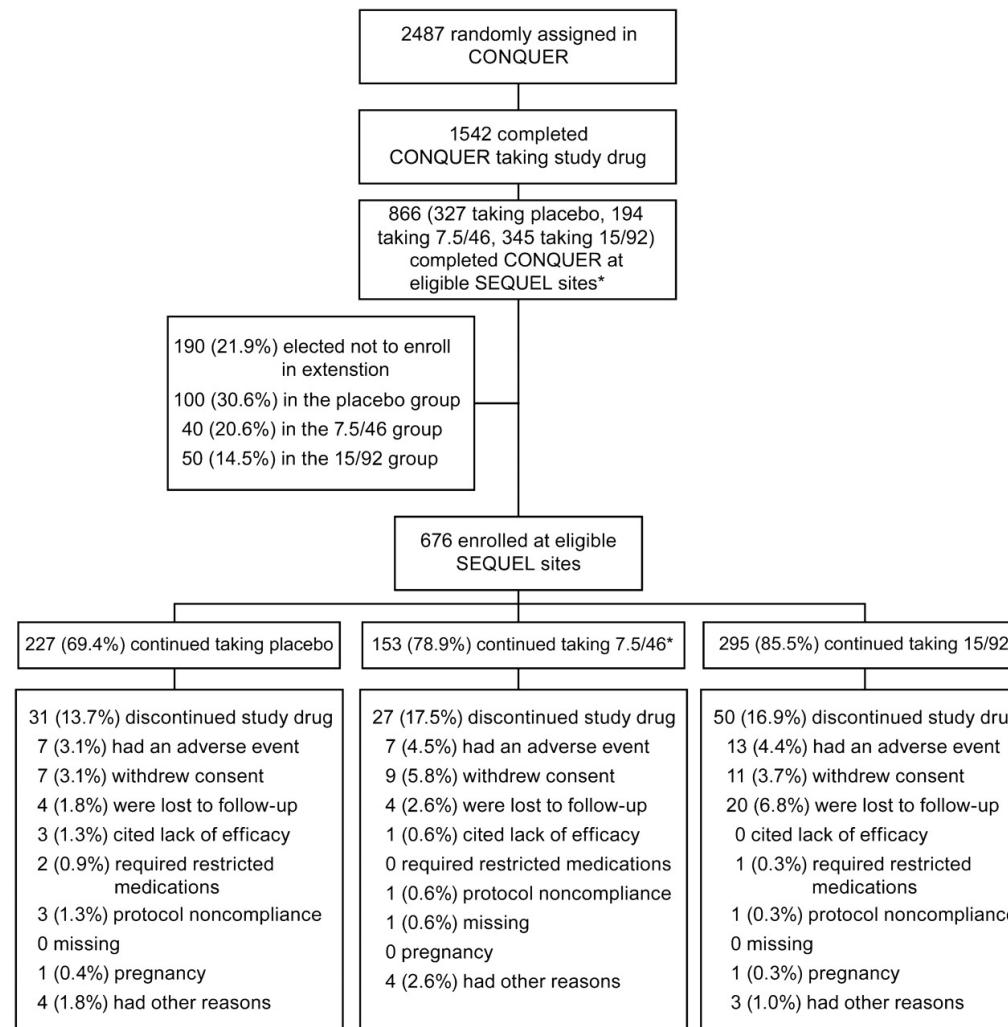
Drugs acting as neuromediators

- **Recombinant methionyl leptine (SC)**
 - leptine deficiency: reversibility of the symptoms
 - leptine receptor abnormality: no effect
- **Peptide Y**
 - Analogue 3-36 IV
 - Nasal spray
- **GLP1**
 - Exenatide: GLP-1R (SC) agonist
 - Liraglutide: long acting GLP1 (SC) analogue

Efficacy and safety of topiramate on weight loss: a meta-analysis of randomized controlled trials

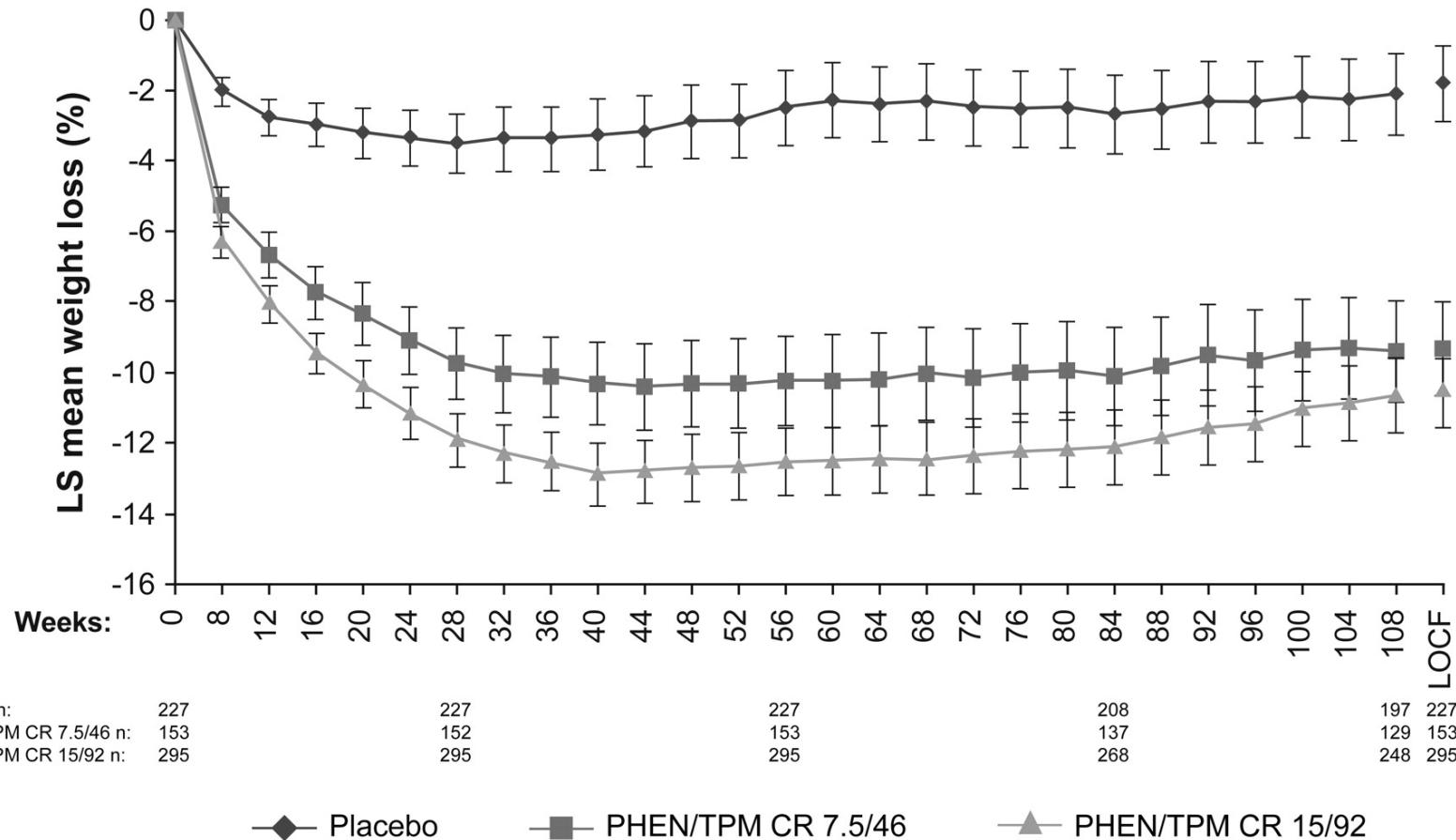


Two-year sustained weight loss and metabolic benefits with controlled-release phentermine/topiramate in obese and overweight adults (SEQUEL): a randomized, placebo-controlled, phase 3 extension study



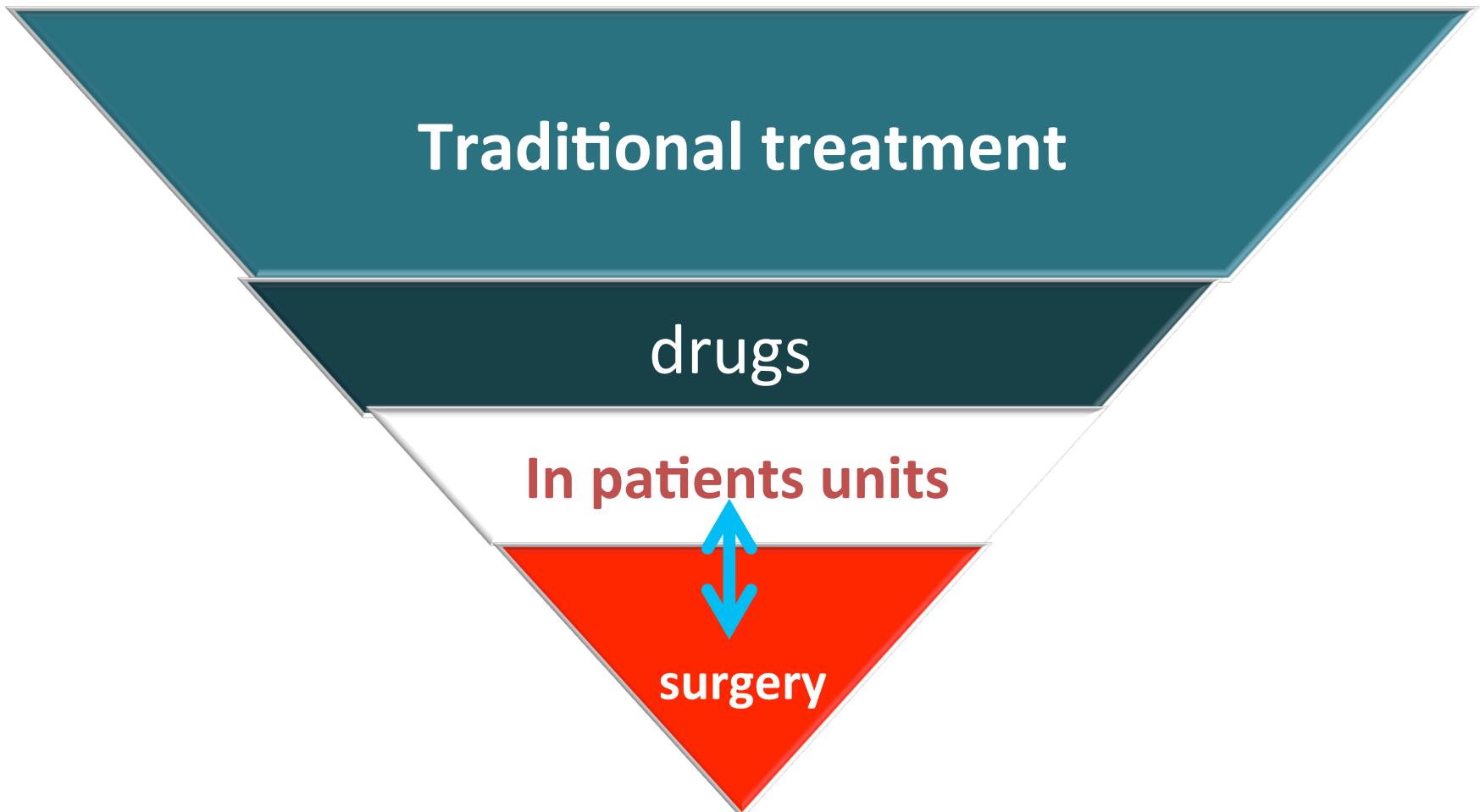
Garvey W T et al. Am J Clin Nutr 2011;95:297-308

Mean (95% CI) percentage weight loss from baseline to week 108.

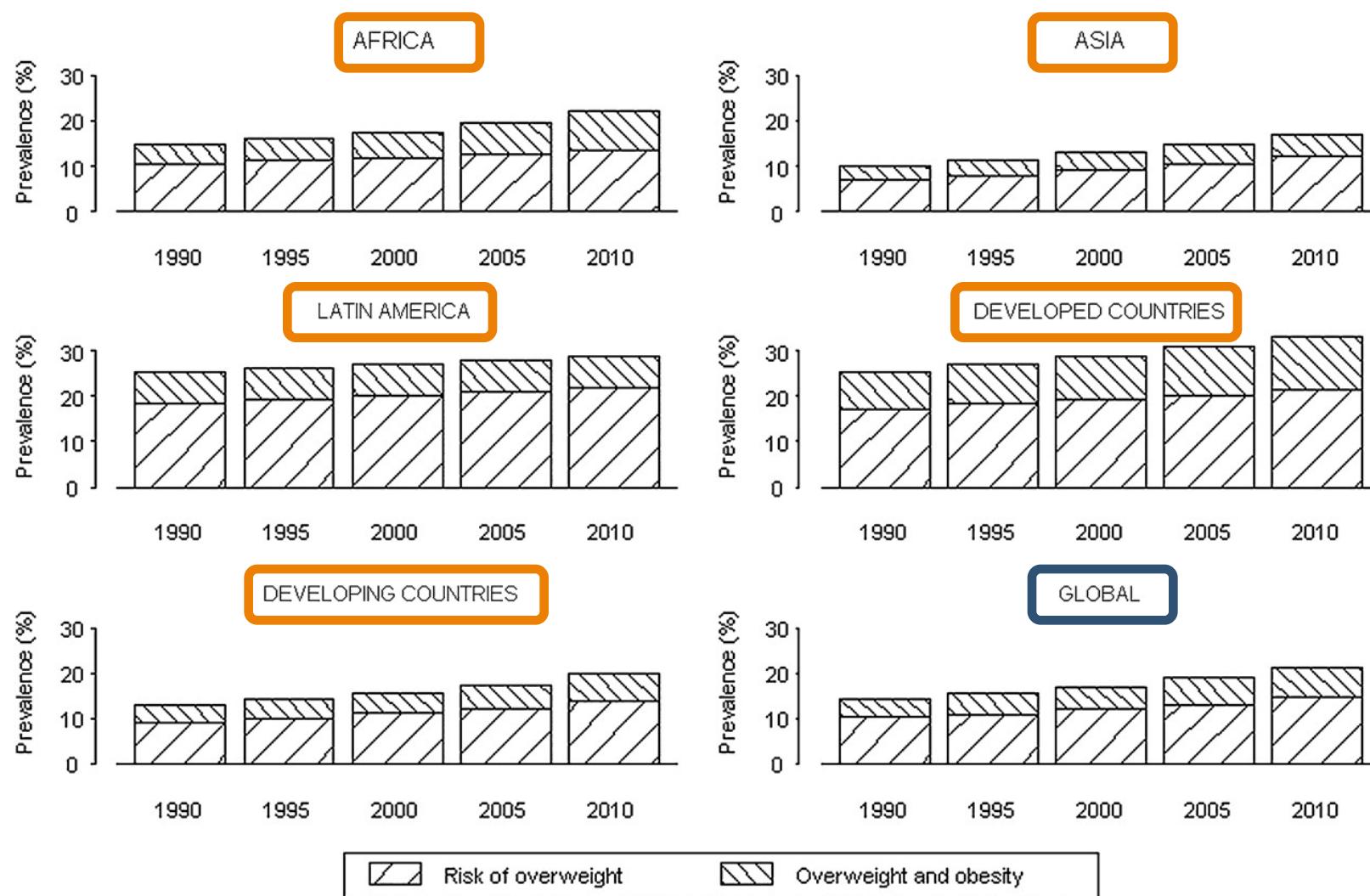


Garvey W T et al. Am J Clin Nutr 2011;95:297-308

THE NEED FOR A HIERARCHY IN CARES

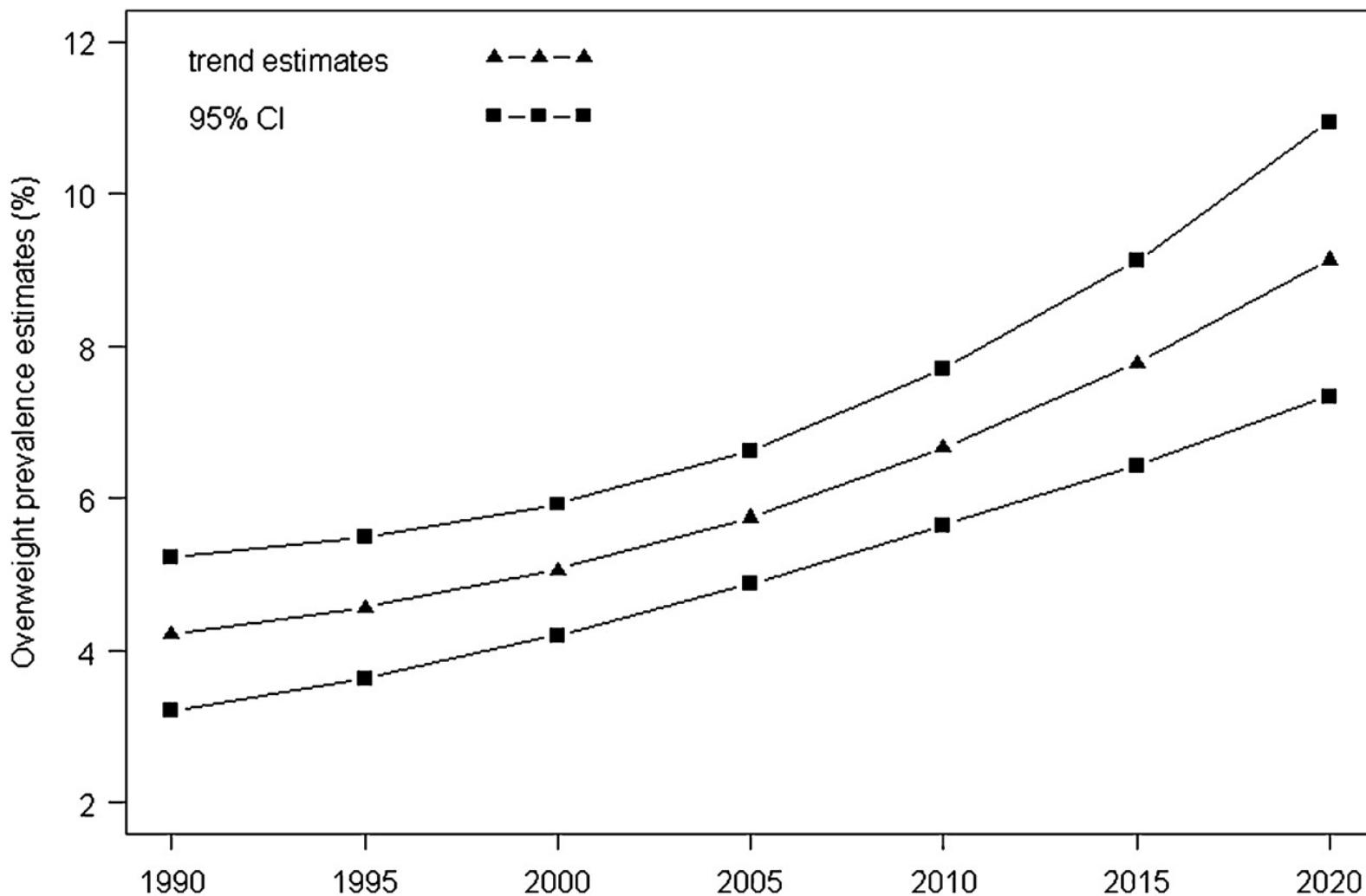


PREVALENCE DU SURPOIDS ET DE L'OBÉSITÉ CHEZ LES ENFANTS D'ÂGE PRESCOLAIRE



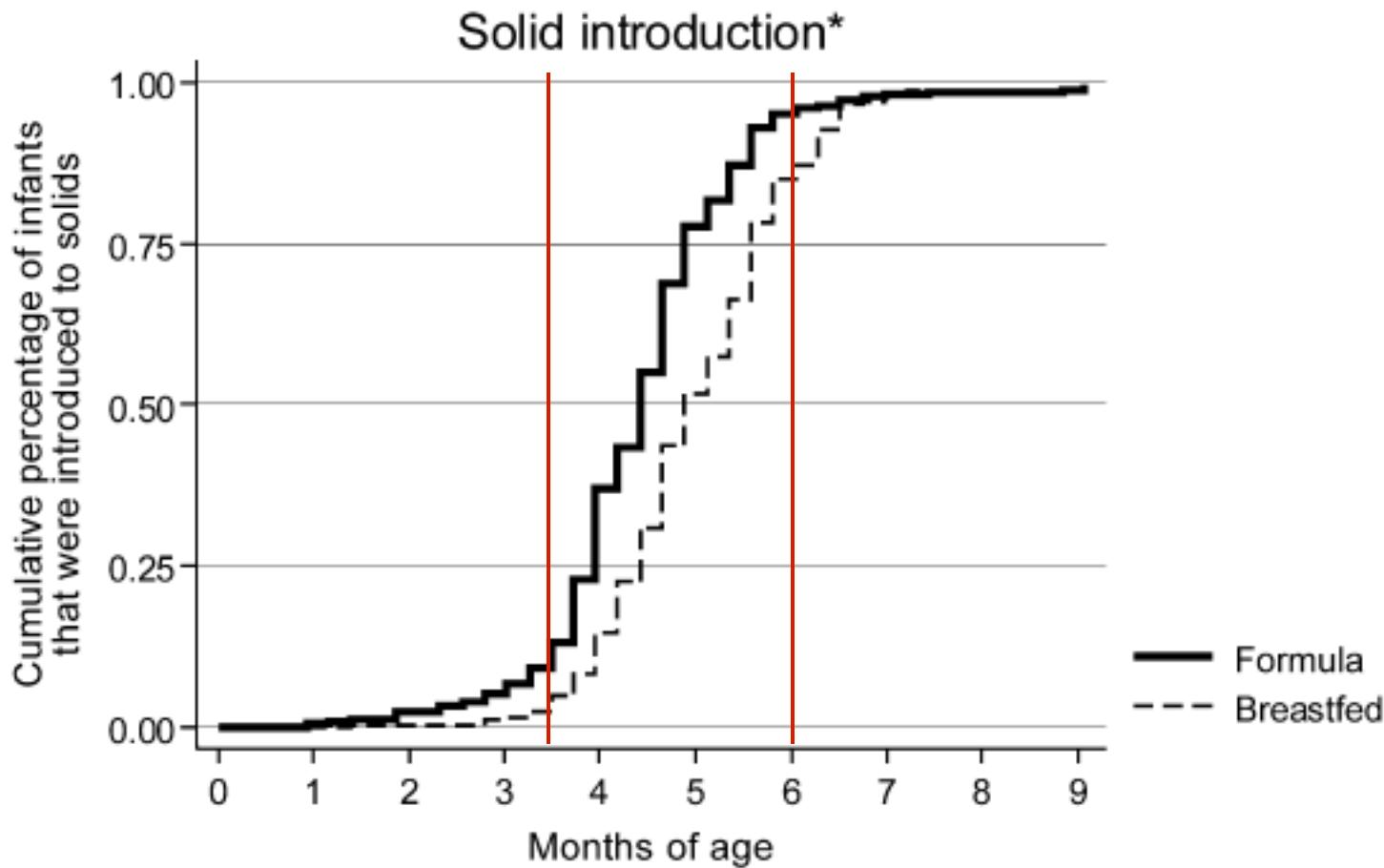
de Onis M et al. Am J Clin Nutr 2010;92:1257-1264

PREVALENCE MONDIALE ET TENDANCES CHEZ LES ENFANTS D'ÂGE PRESCOLAIRE



de Onis M et al. Am J Clin Nutr 2010;92:1257-1264

Cumulative percentage of formula-fed and breast-fed children with introduction of solids, per month (CHOP Study)



Introduction of complementary feedings in 5 European countries.
Schiess, Grote, Scaglioni et al. JPGN 2010; 50: 92-98

25OH vit D et adolescents obèses

Merci pour votre attention !

