Supplementary Online Content

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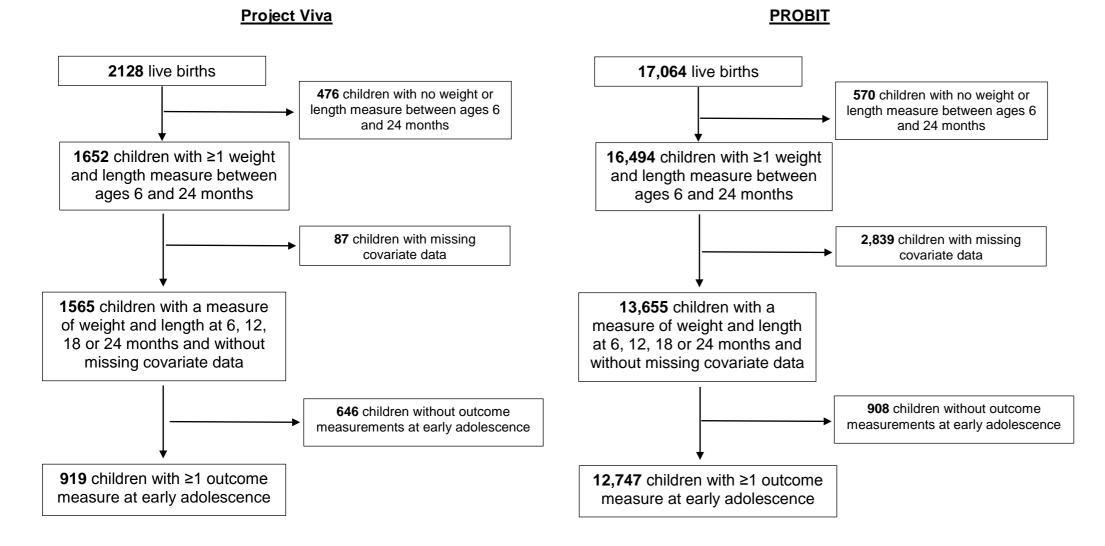
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This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1: Flow chart of study sample



eTable 1: Intra-class correlations (ICC) and agreements between CDC WFL, WHO WFL and WHO BMI z-scores in Project Viva and PROBIT

<u> </u>	1001	Project Viva	/a=a/ a= a		1001	PROB		1 1
	ICC for	% agreement for	к (95% CI) for	р	ICC for	% agreement for	κ (95% CI) for	p
	z-	overweight cut-	overweight cut-	va	Z-	overweight cut-	overweight cut-	V
	scores	points	points	lu	scores	points	points	It
				е				e
				fo				fo
				r				r
				K				K
Month 6					Month 6 (n=12,594)		
(n=891)						T		
CDC vs	0.99	94.6	0.75 (0.69-0.82)	<0	0.99	95.9	0.77 (0.75-0.79)	<(
WHO WFL				.0				0.0
000	0.00	22.4	0.00 (0.04.0.70)	1	2.22	25.0	0.70 (0.70 0.74)	1
CDC vs	0.99	93.4	0.68 (0.61-0.76)	<0	0.99	95.0	0.72 (0.70-0.74)	<(
WHO BMI				.0				0.0
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.00	22.2	0.00 (0.00 0.07)	1	0.00	00.0	0.04 (0.00.0.05)	1
WHO WFL	0.99	98.8	0.93 (0.88-0.97)	<0	0.99	99.2	0.94 (0.93-0.95)	<(
vs WHO				.0				.0
BMI A2				1	NA	/m 40.707\		1
Month 12					Month 12	(n=12,707)		
(n=701)	0.05	20.0	0.07 (0.00.004)	1	0.05	00.0	0.00 (0.00 0.00)	
CDC vs	0.95	98.0	0.87 (0.80-0.94)	<0	0.95	96.6	0.89 (0.88-0.90)	<(
WHO WFL				.0				.0
000	0.00	00.0	0.04 (0.05.0.00)	1	0.00	00.4	0.07 (0.00.0.00)	1
CDC vs	0.96	98.6	0.91 (0.85-0.96)	<0	0.96	96.1	0.87 (0.86-0.88)	<(
WHO BMI				.0				.0
14/11/01/17	0.00	22.2	0.00 (0.70 0.00)	1	0.00	05.4	0.04 (0.00 0.05)	1
WHO WFL	0.98	98.0	0.86 (0.78-0.93)	<0	0.98	95.4	0.84 (0.83-0.85)	<(
vs WHO				.0				.0
BMI				1 1	B# 12 10	(0.00E)		1
Month 18					Month 18	(n=2,965)		
(n=634)	0.04	20.0	0.00 (0.00 0.00)		0.00	00.4	0.00 (0.05.0.00)	
CDC vs	0.91	99.2	0.96 (0.92-0.99)	<0	0.93	99.1	0.96 (0.95-0.98)	<(
WHO WFL				.0				.0
000	0.00	07.0	0.00 (0.04.0.04)	1	0.01	00.0	0.07 (0.04.0.00)	1
CDC vs	0.89	97.6	0.88 (0.81-0.94)	<0	0.91	96.6	0.87 (0.84-0.89)	<(
WHO BMI				.0				.0
10/10/10/10	0.00	07.0	0.05 (0.70.0.00)	1	0.07	00.4	0.05 (0.00.0.00)	1
WHO WFL	0.98	97.2	0.85 (0.78-0.92)	<0	0.97	96.4	0.85 (0.83-0.88)	<(
vs WHO				.0				.0
BMI Month 24				1	Month 01	(n_4 F00)		1
Month 24					Month 24	(11=4,590)		
(n=563)	0.04	00.4	0.05 (0.00.0.00)	-0	0.05	00.7	0.04 (0.02.0.00)	
CDC vs	0.94	99.1	0.95 (0.90-0.99)	<0	0.95	98.7	0.94 (0.93-0.96)	<(
WHO WFL				.0				.0
CDC ::a	0.00	00.4	0.00 (0.00 0.05)	1 -0	0.04	00.0	0.04 (0.00.0.07)	1
CDC vs	0.96	98.1	0.88 (0.80-0.95)	<0	0.94	96.3	0.84 (0.82-0.87)	<(
WHO BMI				.0				.0
10/10/10/10	0.00	00.0	0.00 (0.07.0.00)	1	0.00	07.4	0.07 (0.05.0.00)	
WHO WFL	0.98	98.9	0.93 (0.87-0.99)	<0	0.98	97.1	0.87 (0.85-0.89)	<(
vs WHO				.0				.0
BMI				1 1	E	weight /:- 40.747\		1
Ever					⊏ver over	weight (n=12,747)		
overweight								
(n=919) CDC vs	NA	94.5	0.84 (0.80 0.80)	-0	NA	94.9	0.97 (0.96.0.99)	
	INA	94.5	0.84 (0.80-0.89)	<0	INA	94.9	0.87 (0.86-0.88)	<(
WHO WFL				.0).
CDC va	NIA	02.6	0.00 (0.75.0.05)	1 -0	NIA	02.2	0.03 (0.03 0.04)	1 1
CDC vs	NA	93.6	0.80 (0.75-0.85)	<0	NA	93.3	0.83 (0.82-0.84)	<(
WHO BMI				.0).
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NIA	06.0	0.00 (0.05.0.00)	1 -0	NIA	05.0	0.06 (0.05.0.07)	1 1
WHO WFL vs WHO	NA	96.8	0.89 (0.85-0.93)	<0	NA	95.0	0.86 (0.85-0.87)	<(
VC VVH()	1			.0	ı).

NA: not applicable

eTable 2: Characteristics of subjects included and excluded from the study in Project Viva and PROBIT

Project Viva	Included (n=919)	Excluded (n=1209)	p value
Maternal			
Age			0.02
<20 years	29 (3.2)	40 (3.3)	
20-34 years	610 (66.4)	867 (71.7)	
≥ 35 years Education level	280 (30.5)	302 (25.0)	<0.01
Not university educated	261 (28.4)	483 (40.8)	<0.01
University educated University educated	658 (71.6)	702 (59.2)	
Marital status	355 (11.5)	102 (00.2)	0.09
Married/co-habituating	851 (92.6)	1072 (90.5)	
Not married	68 (7.4)	112 (9.5)	
Maternal smoking history		, ,	<0.01
Never smoked	650 (70.7)	793 (66.8)	
Smoked prior to pregnancy	184 (20.0)	214 (18.0)	
Smoked during pregnancy	85 (9.3)	181 (15.2)	
Pre-pregnancy BMI (kg/m²)	24.8 (5.2)	24.9 (5.7)	0.58
Total gestational weight gain (kg)	15.6 (5.3)	15.5 (6.0)	0.84
Glucose tolerance status	704 (00.4)	0.40 (00.4)	0.72
Normoglycemia	764 (83.1)	942 (82.1)	
Isolated hyperglycemia	80 (8.7)	100 (8.7)	
Intermediate glucose intolerance Gestational diabetes	29 (3.2) 46 (5.0)	35 (3.1) 71 (6.2)	
Gestational diabetes Hypertensive disorders of pregnancy	46 (5.0)	r + (0.2)	0.15
Normal blood pressure	822 (89.4)	1023 (87.9)	0.10
Gestational hypertension	63 (6.9)	73 (6.3)	
Chronic Hypertension	10 (1.1)	18 (1.6)	
Pre-eclampsia	24 (2.6)	50 (4.3)	
Child	_ (2.5)	35 \3/	
Sex			0.24
Male	460 (50.1)	636 (52.6)	
Female	459 (49.9)	573 (47.4)	
Race/ethnicity			<0.01
White	598 (65.1)	744 (62.5)	
Black	143 (15.6)	212 (17.8)	
Hispanic	39 (4.2)	89 (7.5)	
Asian	27 (2.9)	68 (5.7)	
Others	112 (12.2)	77 (6.5)	
Gestational age at delivery (weeks)	39.6 (1.6)	39.3 (2.2)	<0.01
Birthweight-for-gestational age z-score (SD units)	0.2 (1.0)	0.2 (1.0)	0.26
Breastfeeding status at 6 months Formula only	79 (9.1)	138 (15.8)	<0.01
Weaned	312 (35.9)	367 (42.1)	
Mixed feeding	239 (27.5)	178 (20.4)	
Breastmilk only	239 (27.5)	188 (21.6)	
Ever overweight during 6–24 months	200 (21.0)	100 (21.0)	0.44
No	758 (82.5)	615 (83.9)	0.44
Yes	161 (17.5)	118 (16.1)	
PROBIT	Included (n=12747)	Excluded (n=4299)	p value
Maternal .			-0.04
Age <20 years	1704 (13.6)	663 (16.0)	<0.01
20-34 years	10284 (82.1)	3315 (79.8)	
≥ 35 years	542 (4.3)	177 (4.3)	
Education level	072 (4 .0)	111 (4.0)	<0.01
Did not complete university	11047 (86.7)	3683 (85.7)	30.01
Completed university	1700 (13.3)	616 (14.3)	
Marital status		(<0.01
Registered/unregistered marriage	12280 (96.3)	4071 (94.7)	
Unmarried	467 (3.7)	228 (5.3)	
Smoking during pregnancy			<0.01
No	12499 (98.1)	4158 (96.7)	
Yes	248 (1.9)	141 (3.3)	
BMI at 6.5 years (kg/m²)	24.5 (4.4)	24.1 (4.2)	0.03
<u>Child</u>			
Sex			0.01
Male	6204 (48.7)	1951 (46.4)	
Female	6543 (51.3)	2254 (53.6)	2
Gestational age at delivery (weeks)	39.4 (1.0)	39.4 (1.0)	0.44
Birthweight-for-gestational age z-score (SD units)	0.4 (1.0)	0.3 (0.9)	<0.01
Ever overweight during 6–24 months	2000 (== =)	0000 (77.0)	<0.01
No No	9622 (75.5)	2906 (77.6)	
Yes	3125 (24.5)	841 (22.4)	

eTable 3: Associations of ever overweight at 6–24 months with lean mass, adiposity and metabolic risk score components at early adolescence

					Pro	ject Viva									PR	OBIT				
	N	CDC	WFL [β (95%	% CI)]	WHO	WFL [β (95%	% CI)]	WHO	BMI [β (95%	6 CI)]	N	CDC	WFL [β (95%	CI)]	WHO	WFL [β (95%	CI)]	WHO	ΒΜΙ [β (95%	CI)]
		Model 1ª	Model 2 ^b	F- statisti c Model 2	Model 1ª	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2		Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2
Lean mass																				
Height z-score (SD units)	91 9	0.3 (0.1,0.4)	0.2 (0.01,0.3)	4.2	0.3 (0.1,0.4)	0.2 (0.02,0.4)	4.2	0.3 (0.1,0.4)	0.2 (0.0,0.3)	4.2	1253 0	0.08 (0.04,0.1)	0.03 (- 0.01,0.07)	52.2	0.09 (0.05,0.1)	0.04 (0.0,0.8)	52.4	0.03 (- 0.02,0.07)	-0.02 (- 0.06,0.02)	52.1
Overall adiposity																				
BMI z-score (SD units)	91 6	0.6 (0.5,0.8)	0.4 (0.3,0.6)	11.8	0.7 (0.5,0.9)	0.5 (0.3,0.7)	11.9	0.7 (0.5,0.9)	0.5 (0.3,0.7)	12.0	1252 3	0.4 (0.3,0.4)	0.3 (0.3,0.4)	102.2	0.4 (0.4,0.5)	0.3 (0.3,0.4)	98.5	0.4 (0.3,0.4)	0.3 (0.3,0.4)	97.4
SS+TR (mm)	91 7	4.1 (2.0,6.2)	2.4 (0.4,4.4)	9.6	5.0 (2.7,7.4)	3.0 (0.8,5.2)	9.7	5.5 (3.2,7.9)	3.7 (1.6,5.9)	9.9	1252 3	2.6 (2.1,3.0)	2.7 (2.3,3.1)	65.6	2.6 (2.2,3.1)	2.9 (2.4,3.3)	65.5	2.6 (2.2,3.1)	2.7 (2.3,3.1)	64.3
Fat-mass index (kg/m²)	91 2	1.4 (0.8,1.9)	0.9 (0.5,1.4)	17.1	1.6 (1.0,2.2)	1.1 (0.6,1.6)	17.3	1.8 (1.2,2.4)	1.4 (0.9,1.9)	17.8	1243 5	0.5 (0.4,0.6)	0.5 (0.4,0.6)	88.7	0.5 (0.4,0.6)	0.6 (0.5,0.7)	88.3	0.5 (0.4,0.6)	0.6 (0.5,0.7)	87.1
Obesity (Odds ratio)	91 6	2.4 (1.6,3.7)	1.9 (1.1,3.1)	153.9	2.6 (1.6,4.0)	2.0 (1.2,3.3)	154.2	3.1 (2.0,4.8)	2.6 (1.5,4.4)	160.2	1252 3	2.2 (1.9,2.6)	2.1 (1.8,2.5)	298.6	2.2 (1.9,2.6)	2.1 (1.8,2.5)	296.2	2.1 (1.8,2.5)	2.0 (1.7,2.4)	289.9
Metabolic risk score components																				
Waist circumference (cm)	91 9	5.5 (3.7,7.3)	3.9 (2.3,5.6)	11.3	6.4 (4.4,8.3)	4.5 (2.6,6.3)	11.4	7.0 (5.0,8.9)	5.4 (3.6,7.2)	11.9	1252 9	2.6 (2.3,2.9)	2.2 (1.9,2.5)	82.4	2.8 (2.5,3.1)	2.4 (2.0,2.7)	82.8	2.5 (2.2,2.8)	2.1 (1.8,2.4)	79.4
Systolic BP z-score (SD units)	91 1	0.09 (- 0.05,0.2)	0.08 (- 0.05,0.2)	1.2	0.06 (- 0.08,0.2)	0.05 (-0.1,0.2)	1.1	0.03 (-0.1,0.2)	0.02 (-0.1,0.2)	1.1	1249 3	0.04 (0.01,0.08)	0.05 (0.02,0.08)	8.1	0.04 (0.01,0.07)	0.05 (0.01,0.08)	7.9	0.04 (0.01,0.07)	0.04 (0.01,0.08)	7.8
HOMA-IR	53 8	0.05 (- 0.07,0.2)	0.05 (- 0.07,0.17)	4.2	0.1 (- 0.01,0.3)	0.09 (- 0.03,0.22)	4.2	0.1 (- 0.01,0.3)	0.1 (- 0.03,0.23	4.2	1177	0.02 (- 0.02,0.06)	0.07 (0.03,0.1)	27.4	0.01 (- 0.03,0.06)	0.08 (0.04,0.1)	27.5	0.01 (- 0.03,0.06)	0.06 (0.01,0.1)	27.1
HDL-cholesterol (mg/dL)	60 8	-0.07 (- 2.7,2.5)	-0.3 (-2.9,2.3)	2.1	-1.1 (- 4.0,1.7)	-1.5 (-4.4,1.4)	2.2	-0.8 (-3.7,2.0)	-1.5 (-4.4,1.4)	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triglycerides (mg/dL)	60 7	-1.4 (- 7.3,4.5)	0.7 (-5.4,6.8)	1.1	0.2 (- 6.2,6.7)	2.6 (-4.1,9.2)	1.2	0.4 (-6.1,6.9)	2.5 (-4.2,9.2)	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apo A1 (g/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1204 6	0.0 (- 0.01.0.02)	0.0 (- 0.01,0.02)	2.1	0.0 (- 0.01.0.02)	0.0 (- 0.01,0.02)	2.1	0.0 (- 0.01.0.02)	0.0 (- 0.02.0.01)	2.1
Global metabolic risk												- ,,	_ ,/		- ,/	- ,,		- , - /	, , , , , , ,	
Metabolic risk score (units)	53 4	0.08 (- 0.04,0.2)	0.08 (- 0.04,0.2)	3.2	0.1 (0.0,0.3)	0.12 (- 0.01,0.25)	3.2	0.1 (0.03,0.3)	0.12 (- 0.01,0.26	3.2	1144 2	0.09 (0.08,0.1)	0.09 (0.07,0.11)	32.2	0.1 (0.08,0.1)	0.09 (0.07,0.12)	32.2	0.09 (-0.07,0.1)	0.08 (0.06,0.1)	30.8

^a Unadjusted

b Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.

c Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.

eTable 4: Associations of being overweight at 6 months with lean mass, adiposity and metabolic risk score components at early adolescence

	Project Viva N CDC WFL [β (95% CI)] WHO WFL [β (95% CI)] WHO BMI [β (95% CI)]														PR	OBIT				
	N	CDC	WFL [β (95%	CI)]	WHO	WFL [β (95°	% CI)]	WHO	BMI [β (95°	% CI)]	N	CDC	WFL [β (95%	CI)]	WHO	WFL [β (95%	CI)]	WHO	BMI [β (95%	CI)]
		Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2		Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2
Lean mass																				
Height z-score (SD units)	89 1	0.04 (- 0.15,0.22)	-0.01 (- 0.19,0.17	3.8	-0.01 (-0.2,0.2)	-0.09 (-0.3,0.1)	3.9	-0.01 (-0.2,0.2)	-0.08 (-0.3,0.2)	3.9	1237 9	-0.05 (-0.1,0.01)	-0.07 (-0.1,- 0.02)	51.9	-0.06 (-0.1,0.01)	-0.09 (-0.1,- 0.02)	51.9	-0.07 (-0.01,0.0)	-0.09 (-0.1,- 0.02)	52.0
Overall adiposity		ĺ	ĺ																	
BMI z-score (SD units)	88 8	0.5 (0.3,0.7)	0.3 (0.1,0.5)	10.6	0.5 (0.3,0.7)	0.3 (0.1,0.5)	10.4	0.5 (0.2,0.7)	0.3 (0.1,0.6)	10.4	1237 3	0.3 (0.3,0.4)	0.3 (0.2,0.3)	82.6	0.3 (0.2,0.4)	0.2 (0.2,0.3)	78.4	0.3 (0.2,0.4)	0.3 (0.2,0.3)	78.3
SS+TR (mm)	88 9	1.9 (-0.7,4.5)	0.3 (-2.1,2.7)	9.3	1.0 (-2.1,4.1)	-0.4 (-3.3,2.4)	9.3	1.3 (-2.0,4.6)	0.2 (-2.8,3.2)	9.3	1237 2	1.7 (1.1,2.3)	1.7 (1.2,2.3)	55.8	1.6 (0.8,2.3)	1.5 (0.8,2.2)	54.6	1.6 (0.9,2.4)	1.6 (0.9,2.4)	54.7
Fat-mass index (kg/m²)	88 4	0.5 (-0.1,1.2)	0.2 (-0.3,0.8)	15.8	0.5 (-0.3,1.2)	0.2 (-0.4,0.9)	15.8	0.5 (-0.3,1.3)	0.4 (-0.3,1.1)	15.8	1229 2	0.4 (0.3,0.5)	0.4 (0.3,0.5)	78.1	0.3 (0.2,0.5)	0.3 (0.2,0.5)	76.3	0.4 (0.2,0.5)	0.4 (0.2,0.5)	76.4
Obesity (Odds ratio)	88 8	1.4 (0.8,2.4)	0.9 (0.5,1.7)	146.3	1.2 (0.6,2.2)	0.8 (0.4,1.7)	146.6	1.4 (0.7,2.7)	1.0 (0.5,2.2)	146.2	1237 3	2.0 (1.6,2.4)	1.9 (1.5,2.3)	266.1	1.8 (1.4,2.3)	1.7 (1.3,2.2)	249.1	1.9 (1.5,2.5)	1.8 (1.4,2.3)	251.8
Metabolic risk score components																				
Waist circumference (cm)	89 2	3.7 (1.6,5.9)	2.0 (0.0,3.9)	10.0	3.9 (1.3,6.5)	2.1 (-0.3,4.5)	10.0	4.3 (1.5,7.0)	2.7 (0.1,5.2)	10.1	1237 8	1.7 (1.2,2.1)	1.4 (1.0,1.8)	69.2	1.6 (1.1,2.1)	1.2 (0.7,1.7)	67.5	1.6 (1.1,2.1)	1.2 (0.7,1.7)	67.5
Systolic BP z-score (SD units)	88 4	0.08 (- 0.08,0.2)	0.05 (-0.1,0.2)	1.3	0.02 (-0.2,0.2)	-0.01 (-0.2,0.2)	1.3	0.04 (-0.2,0.2)	0.01 (-0.2,0.2)	1.3	1234 2	0.07 (0.03,0.1)	0.07 (0.03,0.1)	8.2	0.06 (0.01,0.1)	0.05 (0.0,0.1)	7.7	0.07 (0.01,0.1)	0.06 (0.0,0.1)	7.8
HOMA-IR	52 1	-0.03 (-0.2,0.1)	-0.02 (-0.1,0.1)	4.2	-0.04 (-0.2,0.1)	-0.03 (-0.2,0.1)	4.2	-0.08 (-0.3,0.1)	-0.06 (-0.2,0.1)	4.2	1163 4	0.01 (- 0.05,0.07)	0.04 (-0.01,0.1)	26.1	-0.01 (- 0.08,0.06)	0.03 (- 0.04,0.1)	26.0	-0.03 (-0.1,0.04)	0.01 (- 0.06,0.08)	26.0
HDL-cholesterol (mg/dL)	59 0	0.2 (-2.9,3.2)	0.2 (-2.8,3.3)	2.0	0.7 (-3.0,4.3)	0.8 (-2.9,4.5)	2.0	0.2 (-3.7,4.1)	-0.1 (-4.0,3.8)	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triglycerides (mg/dL)	58 9	-1.0 (-7.9,5.9)	0.5 (-6.6,7.6)	1.2	-2.9 (- 11.3,5.4)	-1.4 (-9.9,7.1)	1.2	-6.0 (- 14.9,2.9)	-4.0 (- 13.1,5.0)	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apo A1 (g/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1190 4	-0.01 (- 0.03,0.01)	-0.01 (- 0.03,0.01)	2.3	-0.01 (- 0.03,0.02)	-0.01 (- 0.04,0.01)	2.3	-0.02 (- 0.04,0.01)	-0.02 (- 0.05,0.0)	2.4
Global metabolic risk																,				
Metabolic risk score (units)	51 8	0.0 (-0.1,0.1)	-0.01 (-0.2,0.1)	3.1	-0.04 (-0.2,0.1)	-0.07 (-0.2,0.1)	3.1	-0.06 (-0.2,0.1)	-0.07 (-0.2,0.1)	3.1	1130 8	0.06 (0.03,0.08	0.05 (0.02,0.08	27.9	0.05 (0.02,0.09	0.04 (0.0,0.07)	27.5	0.05 (0.01,0.08	0.04 (0.0,0.07)	27.4

a Unadjusted
b Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.
c Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.

eTable 5: Associations of being overweight at 12 months with lean mass, adiposity and metabolic risk score components at early adolescence

						ject Viva										ROBIT				
	N	CDC	WFL [β (95°	% CI)]	WHO	WFL [β (95%	% CI)]	WHO	BMI [β (95%	CI)]	N	CDC	WFL [β (95%	CI)]	WHO	WFL [β (95%	CI)]	WHO	BMI [β (95%	CI)]
		Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2		Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2	Model 1 ^a	Model 2 ^c	F- statisti c Model 2
Lean mass																				
Height z-score (SD units)	70 1	0.3 (0.1,0.6)	0.2 (- 0.05,0.5)	3.3	0.4 (0.1,0.7)	0.2 (-0.1,0.5)	3.3	0.3 (- 0.02,0.5)	0.1 (-0.1,0.4)	3.2	1249 1	0.1 (0.07,0.2)	0.05 (0.0,0.1)	52.4	0.1 (0.1,0.2)	0.08 (0.03,0.1)	52.9	0.04 (- 0.01,0.09)	0.0 (- 0.05,0.04)	51.9
Overall adiposity								,										,	,	
BMI z-score (SD units)	69 9	0.5 (0.2,0.8)	0.3 (0.1,0.6)	7.4	0.6 (0.3,0.9)	0.4 (0.1,0.7)	7.4	0.6 (0.3,0.8)	0.4 (0.2,0.7)	7.5	1248 5	0.4 (0.4,0.5)	0.3 (0.3,0.4)	95.4	0.4 (0.4,0.5)	0.4 (0.3,0.4)	94.3	0.4 (0.3,0.4)	0.3 (0.3,0.4)	91.6
SS+TR (mm)	70 0	2.8 (- 0.8,6.4)	1.9 (-1.5,5.3)	6.3	4.7 (0.7,8.7)	3.1 (-0.7,6.9)	6.3	4.3 (0.4,8.2)	3.7 (0.03,7.3	6.4	1248 4	2.7 (2.2,3.1)	2.9 (2.4,3.3)	64.0	2.9 (2.4,3.4)	3.3 (2.8,3.8)	65.4	2.6 (2.1,3.2)	2.8 (2.3,3.3)	62.1
Fat-mass index (kg/m²)	69 9	1.3 (0.4,2.2)	1.0 (0.2,1.7)	12.0	1.8 (0.8,2.8)	1.1 (0.3,2.0)	12.0	1.6 (0.6,2.6)	1.3 (0.4,2.1)	12.2	1239 7	0.5 (0.4,0.6)	0.5 (0.4,0.6)	84.8	0.5 (0.4,0.6)	0.6 (0.5,0.7)	85.5	0.5 (0.4,0.6)	0.5 (0.4,0.6)	83.6
Obesity (Odds ratio)	69 9	2.4 (1.3,4.5)	1.9 (0.8,4.2)	120.5	2.8 (1.5,5.5)	2.1 (0.9,4.9)	121.0	2.8 (1.5,5.4)	2.7 (1.2,6.6)	123.3	1248 5	2.0 (1.7,2.4)	1.9 (1.6,2.3)	278.3	2.2 (1.8,2.6)	2.1 (1.7,2.5)	284.0	2.0 (1.7,2.5)	2.0 (1.6,2.4)	277.3
Metabolic risk score components		(2, 2)	(, /		(-,,	(==, =,		(2/2 /	,,,,,,				, , , ,		(-, -,			, -,	, ,	
Waist circumference (cm)	70 2	4.9 (1.9,8.0)	3.5 (0.7,6.3)	7.3	5.9 (2.5,9.3)	3.9 (0.8,7.1)	7.3	5.4 (2.2,8.7)	4.4 (1.4,7.4)	7.4	1249 0	2.7 (2.3,3.0)	2.2 (1.9,2.6)	79.7	3.1 (2.7,3.4)	2.6 (2.3,3.0)	82.2	2.5 (2.2,2.9)	2.1 (1.8,2.5)	77.0
Systolic BP z-score (SD units)	69 6	0.1 (- 0.1,0.4)	0.1 (-0.1,0.4)	1.3	0.1 (-0.1,0.4)	0.1 (-0.1,0.4)	1.3	0.1 (-0.1,0.4)	0.1 (-0.1,0.4)	1.3	1245 4	0.05 (0.01,0.08)	0.05 (0.02,0.09)	8.0	0.05 (0.01,0.08)	0.05 (0.01,0.09)	7.9	0.05 (0.02,0.09)	0.06 (0.02,0.1)	8.0
HOMA-IR	40 8	0.0 (- 0.2,0.2)	-0.02 (-0.2,0.2)	2.4	0.04 (-0.2,0.3)	0.0 (-0.2,0.2)	2.4	0.01 (-0.2,0.2)	0.01 (-0.2,0.2)	2.4	1173 4	0.02 (- 0.03,0.06)	0.08 (0.03,0.13	27.3	0.01 (- 0.05,0.06)	0.09 (0.04,0.14)	27.4	0.01 (- 0.04,0.06)	0.06 (0.01,0.11)	27.0
HDL-cholesterol (mg/dL)	46 3	0.7 (- 3.5,4.9)	-0.3 (-4.6,3.9)	1.9	-1.7 (-6.2,2.8)	-2.8 (-7.4,1.8)	1.9	0.9 (-3.6,5.5)	-0.2 (-4.8,4.4)	1.9	NA	NA	ŃA	NA	NA	ŃA	NA	NA	ŃA	NA
Triglycerides (mg/dL)	46 2	-3.2 (- 13.2,6.8)	-0.8 (- 11.2,9.6)	1.0	0.2 (- 10.5,10.9	2.8 (- 8.4,13.9)	1.1	-0.3 (- 10.5,11.2	2.7 (- 8.6,13.9)	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apo A1 (g/L)	NA	NA	NA	NA	ŃA	NA	NA	ŃA	NA	NA	1200 8	0.01 (- 0.01,0.03)	0.0 (- 0.01,0.02)	2.1	0.01 (- 0.01,0.03)	0.0 (- 0.01,0.02)	2.1	0.0 (- 0.01,0.02)	0.0 (- 0.02,0.01)	2.1
Global metabolic risk												<u> </u>			, ,	· /			, ,	
Metabolic risk score (units)	40 5	0.03 (- 0.2,0.2)	0.05 (-0.2,0.3)	2.3	0.1 (-0.1,0.3)	0.1 (-0.1,0.3)	2.3	0.05 (-0.2,0.3)	0.07 (-0.2,0.3)	2.3	1140 7	0.1 (0.08,0.1)	0.1 (0.07,0.12)	32.1	0.1 (0.09,0.1)	0.11 (0.08,0.14)	32.5	0.09 (0.07,0.1)	0.08 (0.06,0.11)	30.4

b Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.

c Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.

eTable 6: Associations of being overweight at 18 months with lean mass, adiposity and metabolic risk score components at early adolescence

						ject Viva									P	ROBIT				
	N	CDC	WFL [β (95%	6 CI)]	WHO	WFL [β (95%	% CI)]	WHO	BMI [β (95%	6 CI)]	N	CDC	WFL [β (95%	CI)]	WHO	WFL [β (95%	CI)]	WHO	BMI [β (95%	, CI)]
		Model 1 ^a	Model 2 ^b	F- statistic Model 2	Model 1 ^a	Model 2 ^b	F- statistic Model 2	Model 1 ^a	Model 2 ^b	F- statistic Model 2		Model 1 ^a	Model 2 ^c	F- statistic Model 2	Model 1 ^a	Model 2 ^c	F- statistic Model 2	Model 1 ^a	Model 2 ^c	F- statistic Model 2
Lean mass																				
Height z-score (SD units)	634	0.5 (0.2,0.7)	0.3 (0.1,0.6)	3.2	0.5 (0.2,0.7)	0.3 (0.1,0.6)	3.2	0.3 (0.1,0.6)	0.2 (- 0.03,0.5)	3.1	2908	0.2 (0.1,0.3)	0.1 (0.03,0.2)	12.1	0.2 (0.1,0.3)	0.1 (0.04,0.2)	12.2	0.1 (0.05,0.2)	0.1 (0.0,0.2)	11.9
Overall adiposity																				
BMI z-score (SD units)	634	0.9 (0.7,1.2)	0.8 (0.5,1.0)	8.7	0.9 (0.6,1.2)	0.7 (0.5,1.0)	8.5	0.9 (0.6,1.1)	0.7 (0.5,1.0)	8.5	2906	0.6 (0.5,0.7)	0.5 (0.4,0.6)	25.9	0.6 (0.5,0.7)	0.5 (0.4,0.6)	25.4	0.6 (0.5,0.7)	0.5 (0.4,0.6)	25.4
SS+TR (mm)	632	8.8 (5.3,12.2)	7.1 (3.8,10.4)	7.7	7.6 (4.0,11.3)	5.9 (2.9,9.3)	7.4	7.5 (4.0,11.0)	6.0 (2.7,9.3)	7.4	2907	4.5 (3.3,5.7)	4.5 (3.4,5.7)	15.5	4.5 (3.3,5.7)	4.4 (3.2,5.6)	15.0	4.2 (3.1,5.3)	4.1 (3.0,5.2)	14.9
Fat-mass index (kg/m²)	633	2.7 (1.9,3.6)	2.2 (1.5,3.0)	13.2	2.6 (1.7,3.4)	2.1 (1.3,2.8)	12.8	2.5 (1.6,3.4)	2.1 (1.4,2.9)	13.0	2895	1.0 (0.8,1.3)	1.1 (0.8,1.3)	25.3	1.0 (0.8,1.3)	1.1 (0.8,1.3)	24.8	1.0 (0.8,1.2)	1.0 (0.8,1.2)	24.5
Obesity (Odds ratio)	634	4.6 (2.6,8.1)	5.0 (2.4,10.1)	126.3	3.6 (2.0,6.6)	3.7 (1.7,7.7)	118.7	4.3 (2.4,7.6)	4.6 (2.2,9.5)	124.0	2906	3.2 (2.3,4.5)	2.9 (2.0,4.1)	101.9	3.3 (2.3,4.7)	2.9 (2.0,4.1)	101.4	3.0 (2.1,4.2)	2.7 (1.9,3.9)	99.5
Metabolic risk score components																				1
Waist circumference (cm)	635	9.9 (7.0,12.7)	8.0 (5.0,10.7)	9.0	9.1 (6.1,12.0)	7.3 (4.5,10.1)	8.6	9.3 (6.4, 12.2)	7.6 (4.9,10.3)	8.8	2909	4.6 (3.7,5.4)	4.1 (3.3,4.9)	23.8	4.7 (3.8,5.5)	4.1 (3.3,5.0)	23.7	4.3 (3.5,5.1)	3.9 (3.1,4.7)	23.6
Systolic BP z-score (SD units)	630	0.02 (-0.2,0.2)	0.0 (-0.2,0.2)	1.2	0.01 (-0.2,0.2)	-0.02 (-0.2,0.2)	1.2	-0.04 (-0.3,0.2)	-0.07 (-0.3,0.1)	1.2	2899	0.08 (0.0,0.16)	0.08 (- 0.01,0.16)	3.1	0.07 (- 0.02,0.16)	0.06 (- 0.02,0.15)	3.0	0.05 (- 0.03,0.13)	0.05 (- 0.04,0.13)	2.9
HOMA-IR	374	0.3 (0.1,0.5)	0.3 (0.1,0.5)	3.0	0.3 (0.1,0.5)	0.3 (0.1,0.4)	2.9	0.3 (0.1,0.5)	0.3 (0.1,0.4)	2.9	2756	0.04 (- 0.07,0.1)	0.09 (-0.01,0.2)	6.5	0.03 (- 0.08,0.1)	0.09 (-0.02,0.2)	6.5	0.06 (- 0.05,0.1)	0.09 (-0.01,0.2)	6.6
HDL-cholesterol (mg/dL)	420	-3.5 (-7.7,0.7)	-3.7 (-8.0,0.6)	1.9	-3.1 (-7.4,1.2)	-3.3 (-7.7,1.1)	1.9	-4.6 (-8.9,- 0.4)	-5.1 (-9.5,- 0.7)	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triglycerides (mg/dL)	419	5.2 (- 4.8,15.1)	6.5 (- 3.9,16.8)	1.4	5.8 (- 4.5,16.0)	6.8 (- 3.8,17.4)	1.4	5.0 (- 5.1,15.2)	6.7 (- 4.0,17.3)	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apo A1 (g/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2798	0.0 (- 0.04,0.04)	0.0 (- 0.04,0.04)	1.2	0.01 (- 0.03,0.05)	0.0 (- 0.04,0.04)	1.2	0.01 (- 0.02,0.05)	0.01 (- 0.02,0.05)	1.2
Global metabolic risk													1			,		,	,	
Metabolic risk score (units)	373	0.3 (0.2,0.5)	0.3 (0.1,0.5)	2.7	0.3 (0.1,0.5)	0.3 (0.1,0.5)	2.6	0.3 (0.1,0.5)	0.3 (0.1,0.5)	2.6	2690	0.2 (0.1,0.2)	0.14 (0.09,0.19)	10.4	0.2 (0.1,0.2)	0.15 (0.09,0.21)	10.6	0.2 (0.1,0.2)	0.15 (0.09,0.20)	10.7

^a Unadjusted

b Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.
c Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.

eTable 7: Associations of being overweight at 24 months with lean mass, adiposity and metabolic risk score components at early adolescence

e lable 1. Associations of be						ject Viva	.,					,			F	PROBIT				
	N	CDC	WFL [β (95%	6 CI)]		WFL [β (95%	6 CI)]	WHO	BMI [β (95%	6 CI)]	N	CDC	WFL [β (95%	G CI)]		WFL [β (95%	6 CI)]	WHO	BMI [β (95%	CI)]
		Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2	Model 1 ^a	Model 2 ^b	F- statisti c Model 2		Model 1 ^a	Model 2 ^c	F- statistic Model 2	Model 1 ^a	Model 2 ^c	F- statistic Model 2	Model 1 ^a	Model 2 ^c	F- statistic Model 2
Lean mass																				
Height z-score (SD units)	56 3	0.5 (0.2,0.7)	0.3 (0.0,0.6)	2.9	0.5 (0.2,0.8)	0.3 (0.0,0.6)	3.0	0.5 (0.2,0.8)	0.3 (- 0.01,0.6)	2.9	450 3	0.1 (0.05,0.2)	0.09 (0.01,0.2)	18.3	0.1 (0.0,0.2)	0.05 (-0.03,0.1)	18.1	0.03 (- 0.06,0.1)	-0.01 (-0.1,0.07)	18.0
Overall adiposity																				
BMI z-score (SD units)	56 3	1.0 (0.7,1.3)	0.8 (0.5,1.0)	6.9	1.0 (0.6,1.3)	0.7 (0.4,1.0)	6.7	1.0 (0.7,1.3)	0.8 (0.5,1.1)	6.9	450 2	0.6 (0.5,0.6)	0.5 (0.4,0.6)	42.8	0.6 (0.5,0.7)	0.5 (0.4,0.6)	42.1	0.5 (0.4,0.6)	0.4 (0.3,0.5)	40.2
SS+TR (mm)	56 3	10.8 (7.2,14.5)	9.0 (5.5,12.6)	5.8	10.4 (6.6,14.3)	8.5 (4.8,12.3)	5.6	11.7 (7.7,15.6)	9.4 (5.5,13.2)	5.7	450 1	4.1 (3.1,5.0)	4.2 (3.3,5.1)	29.8	3.9 (2.9,4.9)	4.0 (3.1,5.0)	28.7	3.6 (2.7,4.5)	3.5 (2.6,4.4)	27.9
Fat-mass index (kg/m²)	56 2	2.9 (2.0,3.8)	2.2 (1.4,3.0)	10.1	2.9 (1.9,3.8)	2.2 (1.4,3.0)	9.9	3.2 (2.3,4.2)	2.4 (1.5,3.3)	10.1	448 3	0.9 (0.7,1.1)	0.9 (0.7,1.1)	38.3	0.9 (0.7,1.1)	0.9 (0.7,1.1)	37.8	0.8 (0.6,1.0)	0.8 (0.6,1.0)	36.0
Obesity (Odds ratio)	56 3	4.2 (2.2,8.0)	3.8 (1.7,8.8)	91.7	4.3 (2.2,8.5)	4.1 (1.7,9.6)	91.9	5.6 (2.8,11.1)	5.2 (2.2,12.3)	95.5	450 2	2.7 (2.0,3.6)	2.4 (1.8,3.3)	149.3	2.6 (1.9,3.5)	2.3 (1.7,3.2)	146.4	2.3 (1.7,3.1)	2.0 (1.5,2.8)	140.3
Metabolic risk score components																				
Waist circumference (cm)	56 4	9.7 (6.7,12.7)	7.9 (4.9,10.8)	6.3	9.8 (6.6,12.9)	7.9 (4.9,11.0)	6.2	10.6 (7.4,13.9)	8.7 (5.6,11.9)	6.3	450 3	3.8 (3.1,4.5)	3.3 (2.7,4.0)	31.9	3.7 (3.0,4.4)	3.2 (2.5,3.9)	30.9	3.1 (2.5,3.8)	2.6 (2.0,3.2)	29.1
Systolic BP z-score (SD units)	55 7	0.09 (-0.1,0.3)	0.08 (-0.2,0.3)	1.3	0.09 (-0.2,0.3)	0.07 (-0.2,0.3)	1.3	0.1 (-0.1,0.4)	0.1 (-0.1,0.4)	1.3	449 3	0.02 (- 0.05,0.08	0.02 (- 0.05,0.09)	4.6	0.02 (- 0.05,0.09)	0.03 (-0.05,0.1)	4.6	0.04 (- 0.03,0.1)	0.04 (-0.03,0.1)	4.7
HOMA-IR	33 8	0.3 (0.1,0.5)	0.3 (0.1,0.5)	2.9	0.3 (0.1,0.5)	0.3 (0.1,0.5)	2.8	0.3 (0.0,0.5)	0.2 (- 0.02,0.5)	2.6	424 2	0.08 (- 0.01,0.2)	0.13 (0.04,0.22)	9.5	0.1 (0.0,0.2)	0.14 (0.05,0.24)	9.6	0.1 (0.01,0.2)	0.13 (0.04,0.22)	9.5
HDL-cholesterol (mg/dL)	37 8	-2.4 (-6.9,2.2)	-4.1 (-8.7,0.6)	2.1	-1.7 (-6.5,3.0)	-3.2 (-8.1,1.7)	2.0	-1.5 (-6.5,3.6)	-4.0 (-9.2,1.3)	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Triglycerides (mg/dL)	37 7	0.9 (- 9.6,11.4)	3.1 (- 8.1,14.3)	1.0	-1.4 (- 12.5,9.7)	-0.7 (- 12.4,11.1)	1.0	-5.2 (- 16.9,6.5)	-4.6 (- 17.1,8.0)	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apo A1 (g/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	433 9	0.0 (- 0.03,0.04)	0.0 (- 0.03,0.03)	1.3	0.0 (- 0.03,0.04)	0.0 (- 0.03,0.03)	1.3	0.0 (- 0.03,0.03)	0.0 (- 0.03,0.03)	1.3
Metabolic risk Metabolic risk score (units)	33 5	0.3 (0.1,0.5)	0.3 (0.1,0.5)	2.9	0.3 (0.04,0.5)	0.3 (0.04,0.5)	2.8	0.3 (0.01,0.5)	0.3 (0.0,0.5)	2.7	412 1	0.1 (0.08,0.2)	0.11 (0.06,0.15)	12.3	0.1 (0.07,0.2)	0.1 (0.06,0.15)	12.1	0.1 (0.06,0.2)	0.09 (0.04,0.13)	11.8

b Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.

c Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.

eTable 8: Associations of number of timepoints overweight at 6–24 months with lean mass, adiposity and metabolic risk score components at early adolescence

		mass	Total adiposity								•			core compo	nents		MetS ri	sk score
	Height	z-score	BMI z	-score	SS-	-TR	Fat ma	ss index	Obe	sity	Wa Circum	ist ference	Systolic	BP z-score	HON	/IA-IR		
	Viva ^a	PROBIT ^b	Viva ^a	PROBIT	Viva ^a	PROBIT	Viva ^a	PROBIT	Viva ^a	PROBIT	Viva ^a	PROBIT ^b	Viva ^a	PROBIT ^b	Viva ^a	PROBIT ^b	Viva ^a	PROBIT ^b
CDC W	FL																	
0	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref
1	0.1	0.03	0.3	0.3	0.6	2.1	0.4	0.4	1.1	1.7	2.2	1.7	0.03	0.03	-0.06	0.05	-0.03	0.07
	(- 0.06,0.3)	(- 0.02,0.07)	(0.1,0.5	(0.2,0.3)	(-1.8,2.9)	(1.6,2.6)	(- 0.1,0.9)	(0.3,0.5)	(0.6,2.2)	(1.4,2.1)	(0.3,4.1)	(1.4,2.1)	(- 0.1,0.2)	(0.0,0.07)	(-0,2,0.1)	(0.0,0.1)	(-0.2,0.1)	(0.04,0.09
2	0.3	0.03	0.7	0.5	6.7	3.6	2.2	0.7	5.2	2.7	8.5	2.7	0.3	0.09	0.4	0.1	0.3	0.13
	(- 0.05,0.6)	(- 0.04,0.09)	(0.4,1.0	(0.4,0.5)	(2.6,10.7	(2.9,4.3)	(1.2,3.1	(0.6,0.9)	(2.3,11.7	(2.1,3.4)	(5.1,11.8)	(2.2,3.2)	(0.1,0.6)	(0.03,0.14)	(0.1,0.6)	(0.04,0.2)	(0.1,0.6)	(0.09,0.17
3—	0.2	0.06	0.7	0.7	5.4	5.8	1.7	1.3	2.1	3.7	5.8	4.9	-0.04	0.09	0.1	0.2	0.2	0.14
4	(-0.2,0.6)	(- 0.07,0.2)	(0.4,1.1	(0.6,0.8)	(0.9,9.9)	(4.4,7.3)	(0.7,2.7	(1.1,1.6)	(0.7,6.4)	(2.5,5.6)	(2.0,9.5)	(3.9,5.9)	(- 0.4,0.3)	(-0.2,0.2)	(-0.1,0.4)	(0.02,0.3)	(- 0.03,0.5)	(0.07,0.21
WHO W																		
0	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref
1	0.2 (- 0.02,0.4)	0.03 (- 0.02,0.08	0.4 (0.2,0.6)	0.3 (0.2,0.3)	1.8 (-0.8,4.4)	2.3 (1.8,2.8)	0.7 (0.1,1.3)	0.5 (0.4,0.6)	1.6 (0.8,3.0)	1.8 (1.5,2.2)	3.1 (1.0,5.3)	1.9 (1.6,2.3)	0.03 (- 0.2,0.2)	0.04 (0.0,0.08)	0.02 (-0.1,0.2)	0.06 (0.01,0.1)	0.03 (-0.1,0.2)	0.07 (0.05,0.1)
2	0.3 (- 0.07,0.7)	0.06 (- 0.01,0.1)	0.7 (0.3,1.0)	0.5 (0.4,0.5)	4.8 (0.0,9.5)	3.9 (3.1,4.7)	1.9 (0.8,3.0	0.7 (0.6,0.9)	3.2 (1.1,9.1)	2.6 (2.0,3.4)	8.0 (4.0,11.9)	2.9 (2.3,3.5)	0.2 (- 0.1,0.5)	0.05 (- 0.01,0.11)	0.4 (0.1,0.7)	0.1 (0.04,0.2)	0.4 (0.1,0.7)	0.12 (0.08,0.16
3— 4	0.1 (-0.3,0.5)	0.06 (- 0.09,0.2)	0.8 (0.4,1.1	0.8 (0.6,0.9)	5.9 (1.0,10.8)	6.6 (4.8,8.3)	2.0 (0.9,3.1)	1.6 (1.2,1.9)	2.8 (0.9,8.4)	4.0 (2.5,6.4)	6.2 (2.2,10.3)	5.8 (4.6,7.0)	0.01 (- 0.3,0.3)	0.1 (0.0,0.3)	0.07 (-0.2,0.4)	0.2 (0.04,0.4)	0.1 (-0.1,0.4)	0.2 (0.11,0.28
WHO B	MI	,	,				ĺ											
0	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref	ref
1	0.2	-0.02	0.4	0.3	2.5	2.2	1.0	0.4	1.9	1.7	4.4	1.7	-0.03	0.03	0.05	0.04	0.06	0.06
	(-0.04,0.4)	(- 0.07,0.02)	(0.2,0.6	(0.2,0.3)	(-0.1,5.1)	(1.7,2.7)	(0.4,1.6	(0.3,0.5)	(1.0,3.7)	(1.4,2.1)	(2.3,6.6)	(1.4,2.1)	(- 0.2,0.1)	(- 0.01,0.07)	(-0.1,0.2)	(- 0.01,0.09)	(-0.1,0.2)	(0.04,0.09
2	0.4 (0.03,0.7)	-0.01 (- 0.08,0.07	0.7 (0.4,1.0)	0.5 (0.4,0.5)	6.4 (2.2,10.6)	3.6 (2.7,4.4)	2.0 (1.0,2.9)	0.7 (0.6,0.9)	4.2 (1.8,10.2)	2.7 (2.1,3.5)	7.4 (3.9,10.9)	2.7 (2.1,3.3)	0.09 (- 0.2,0.4)	0.07 (0.01,0.13)	0.3 (0.03,0.5)	0.08 (0.0,0.2)	0.3 (0.07,0.6)	0.11 (0.07,0.15)
3— 4	-0.1 (-0.6,0.3)	,)	0.7 (0.5,0.9))	,	2.1 (0.8,3.4))		6.8 (2.0,11.5)		0.1 (- 0.3,0.5)	0.2 (0.03,0.3) disorders and cl	0.01 (-0.3,0.4)	,		0.17 (0.09,0.26)

^a Adjusted for maternal age, marital status, educational attainment, pre-pregnancy BMI, total gestational weight gain, smoking history, glucose tolerance status, and gestational hypertensive disorders and child gestational age at delivery, race/ethnicity, sex, birth weight for gestational age z-scores, breastfeeding status at 6 months and age at outcome measurement.

b Adjusted for maternal age, maternal BMI at 6.5 years, educational attainment, marital status, smoking during pregnancy, gestational age at delivery, child sex, birth weight for gestational age z-scores and age at outcome measurement.