

WEB TABLE I SHOWING AGREEMENT BETWEEN PERCENTAGE BODY FAT (MEASURED BY DXA) AND BMI (USING IOTF CUTOFFS) IN BOYS

*A= Normal body fat; B=moderate body fat; C=Elevated body fat

(a) Agreement between percentage body fat cutoffs (prevalence matching method) and BMI **

		Percentage Body fat *				Correctly classified (95% CI)	Incorrectly classified (95% CI)	Kappa
		A	B	C	Total			
BMI [#]	1	606	39	2	647	86.6%	13.3%	0.60
	2	40	76	14	130	(84.15-88.91)	(11-15.8)	
	3	1	14	33	48			
	Total	647	129	49	825			

(b) Agreement between percentage body fat cutoffs (use of 85th and 95th centile) and BMI**

		Percentage Body fat *				Correctly classified (95% CI)	Incorrectly classified (95% CI)	Kappa
		A	B	C	Total			
BMI [#]	1	614	32	1	647	85.4%	14.5%	0.56
	2	58	69	3	130	(82.8-87.7)	(12.2-17.3)	
	3	1	25	22	48			
	Total	673	126	26	825			

*A= Normal body fat; B=moderate body fat; C=Elevated body fat; # 1=BMI in normal range; 2=BMI in overweight group; 3=BMI in obese group;

** Some discrepancy in no of subjects in one category was because of significant number of subjects falling on cutoff value as sample size was large.

WEB TABLE II SHOWING AGREEMENT BETWEEN PERCENTAGE BODY FAT (MEASURED BY DXA) AND BMI (USING IOTF CUTOFFS) IN GIRLS

* A= Normal body fat; B=moderate body fat; C=Elevated body fat

(a) Agreement between percentage body fat cutoffs (prevalence matching method) and BMI **

		Percentage Body fat *				Correctly classified (95% CI)	Incorrectly classified (95% CI)	Kappa
		A	B	C	Total			
BMI [#]	1	650	44	0	694	88.5%	11.4%	0.62
	2	40	51	5	96	(86.2-90.6)	(9.3-13.7)	
	3	0	4	21	25			
	Total	690	99	26	815			

(b) Agreement between percentage body fat cutoffs (use of 85th and 95th centile) and BMI **

		Percentage Body fat *				Correctly classified (95% CI)	Incorrectly Classified (95% CI)	Kappa
		A	B	C	Total			
BMI [#]	1	648	41	5	694	87.4%	12.5%	0.58
	2	39	43	14	96	(84.8-89.7)	(10.2-15.3)	
	3	0	3	22	25			
	Total	687	87	41	815			

* A= Normal body fat; B=moderate body fat; C=Elevated body fat; # 1=BMI in normal range; 2=BMI in overweight group; 3=BMI in obese group;

** Some discrepancy in no of subjects in one category was because of significant number of subjects falling on cutoff value as sample size was large.

WEB TABLE III COMPARISON OF PERCENTAGE BODY FAT CENTILES IN SELECTED AGE CATEGORIES BETWEEN INDIAN CHILDREN AND NHANES DATA

Data set		Total body fat centiles					
	Age gr in yrs	10 th th	25 th	50 th	75 th	85 th	95 th
<i>Boys</i>							
Indian	8	12.1	15.6	20.7	27.3	31.7	40.5
NHANES	8-8.49	19.4	21.6	25.6	31.7	35.8	41.1
NHANES	8.5-8.99	19.5	21.8	25.7	32.2	36.4	41.6
Indian	10	13.0	17.5	23.9	31.9	37.0	46.8
NHANES	10-10.40	19.8	22.4	26.3	33.8	37.7	43.2
NHANES	10.50-10.99	19.6	22.4	26.3	34.1	38.0	43.4
Indian	13	10.8	15.4	21.7	29.6	34.6	44.1
NHANES	13-13.49	17.5	20.3	24.6	24.6	36.5	42.5
NHANES	13.5-13.99	16.9	19.5	23.7	23.7	35.2	41.5
Indian	17	9.8	14.3	20.8	29.3	34.6	45.2
NHANES	17-17.49	14.6	16.8	20.9	27.7	31.1	37.3
NHANES	17.50-17.99	14.7	16.9	21.0	27.6	31.1	37.2
<i>Girls</i>							
Indian	8	15.0	19.5	25.2	31.8	35.6	42.6
NHANES	8-8.49	23.2	25.7	30.1	36.1	38.8	43.3
NHANES	8.5-8.99	23.5	26.4	30.7	36.7	39.5	43.7
Indian	10	18.5	23.3	29.2	35.6	39.3	45.8
NHANES	10-10.40	23.4	27.0	31.7	38.0	41.0	44.5
NHANES	10.50-10.99	23.2	26.4	31.6	37.8	40.6	44.4
Indian	13	22.8	27.4	32.7	38.2	41.2	46.4
NHANES	13-13.49	23.1	26.9	31.8	37.3	40.2	44.7
NHANES	13.5-13.99	23.4	27.2	32.0	37.5	40.4	45.0
Indian	17	28.8	33.3	38.0	42.6	45.0	49.0
NHANES	17-17.49	25.9	29.5	33.6	38.6	41.9	46.6
NHANES	17.50-17.99	26.1	29.7	33.8	38.9	42.3	47.1

NHANES: US National Health & Nutritional Examination Survey