

## BODY FAT RANGES FOR STANDARD ADULTS

<b>ADULT FEMALE</b>	<b>18</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>19</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>20 to 39</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>40 to 59</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>60-</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

UNDERFAT

HEALTHY

OVERFAT

OBESE

<b>ADULT MALE</b>	<b>18</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>19</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>20 to 39</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>40 to 59</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
	<b>60-</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

UNDERFAT

HEALTHY

OVERFAT

OBESE

Gallagher D et al. Am J Clin Nutr 2000, 72:694-701  
 "healthy percentage body fat ranges: an approach for developing guidelines based on body mass index."  
 Jebb S, McCarthy D, Fry T. Prentice AM (2004) New body fat reference curves for children.  
 Obesity Reviews (NAASO Suppl). A156

## BODY MASS INDEX (BMI)

HEIGHT	WEIGHT (LBS)																														
	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250
4' 11"	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	44	44	45	46	48	48	49	50
5' 0"	19	21	21	22	23	25	25	26	28	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
5' 1"	19	20	21	22	22	24	25	25	27	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	42	43	45	45	46	47
5' 2"	18	19	20	21	22	23	24	25	26	27	27	28	29	30	31	32	33	34	35	35	37	37	38	40	40	41	42	43	44	45	46
5' 3"	18	19	20	20	21	22	23	24	25	26	27	27	29	29	30	31	32	33	34	34	36	36	37	38	39	40	41	42	43	43	44
5' 4"	17	18	19	20	20	22	22	23	24	25	26	27	28	28	29	30	31	32	33	33	34	35	36	37	38	39	39	41	41	42	43
5' 5"	17	18	18	19	20	21	22	22	24	24	25	26	27	28	28	29	30	31	32	32	33	34	35	36	37	37	38	39	40	41	42
5' 6"	16	17	18	19	19	20	21	22	23	24	24	25	26	27	27	28	29	30	31	31	32	33	34	35	36	36	37	38	39	40	40
5' 7"	16	17	17	18	19	20	20	21	22	23	24	24	25	26	27	27	28	29	30	30	31	32	33	34	35	35	36	37	38	38	39
5' 8"	15	16	17	17	18	19	20	20	22	22	23	24	25	25	26	27	28	28	29	30	31	31	32	33	34	34	35	36	37	37	38
5' 9"	15	16	16	17	18	19	19	20	21	22	22	23	24	24	25	26	27	27	28	29	30	30	31	32	33	33	34	35	36	36	37
5' 10"	14	15	16	17	17	18	19	19	20	21	22	22	23	24	24	25	26	27	27	28	29	30	30	31	32	32	33	34	35	35	36
5' 11"	14	15	15	16	17	18	18	19	20	21	22	23	23	24	24	25	26	27	27	28	29	29	30	31	31	32	33	34	34	35	
6' 0"	14	14	15	16	16	17	18	18	19	20	20	21	22	23	24	25	25	26	26	27	28	29	29	30	31	31	32	33	33	34	
6' 1"	13	14	15	15	16	17	17	18	19	19	20	20	21	22	22	23	24	25	25	26	27	27	28	29	29	30	30	31	32	32	33
6' 2"	13	14	14	15	15	16	17	17	18	19	19	20	21	21	22	22	23	24	24	25	26	26	27	28	28	29	30	30	31	32	32
6' 3"	12	13	14	14	15	16	16	17	18	18	19	19	20	21	21	22	23	23	24	24	25	26	26	27	28	28	29	30	30	31	31
6' 4"	12	13	13	14	15	15	16	16	17	18	18	19	20	20	21	21	22	23	23	24	25	25	26	26	27	28	28	29	29	30	30
6' 5"	12	13	13	14	14	15	16	16	17	17	18	18	19	20	20	21	22	22	23	23	24	24	25	26	26	27	27	28	29	29	30

UNDERWEIGHT

NORMAL

OVERWEIGHT

OBESE

Report of a WHO consultation on Obesity Geneva, 3-5 June 1997 Source: Adapted from WHO, 1995, WHO, 2000 and WHO 2004



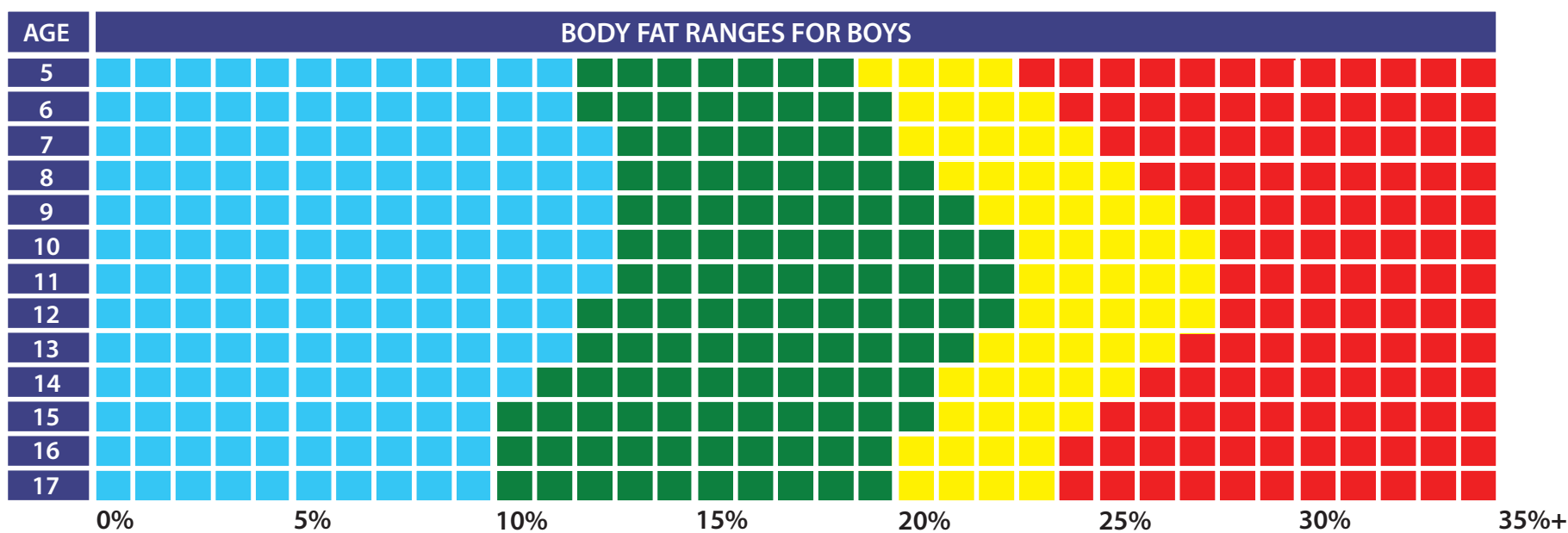
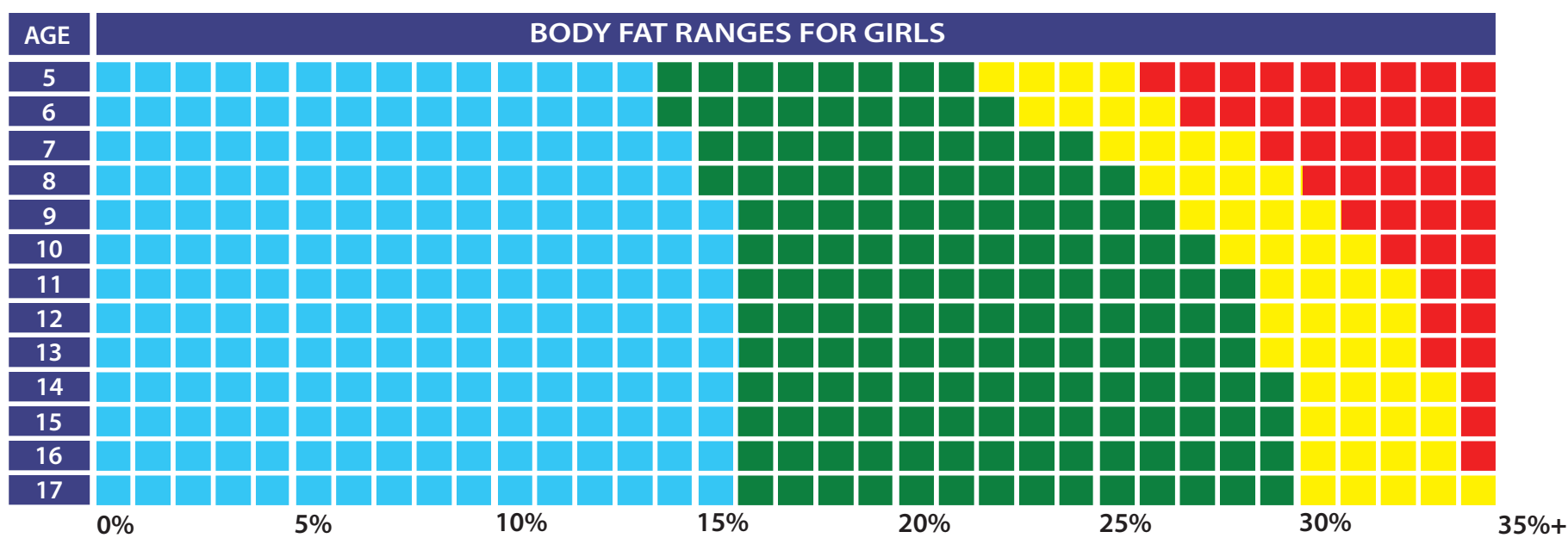
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# BODY FAT RANGES FOR CHILDREN



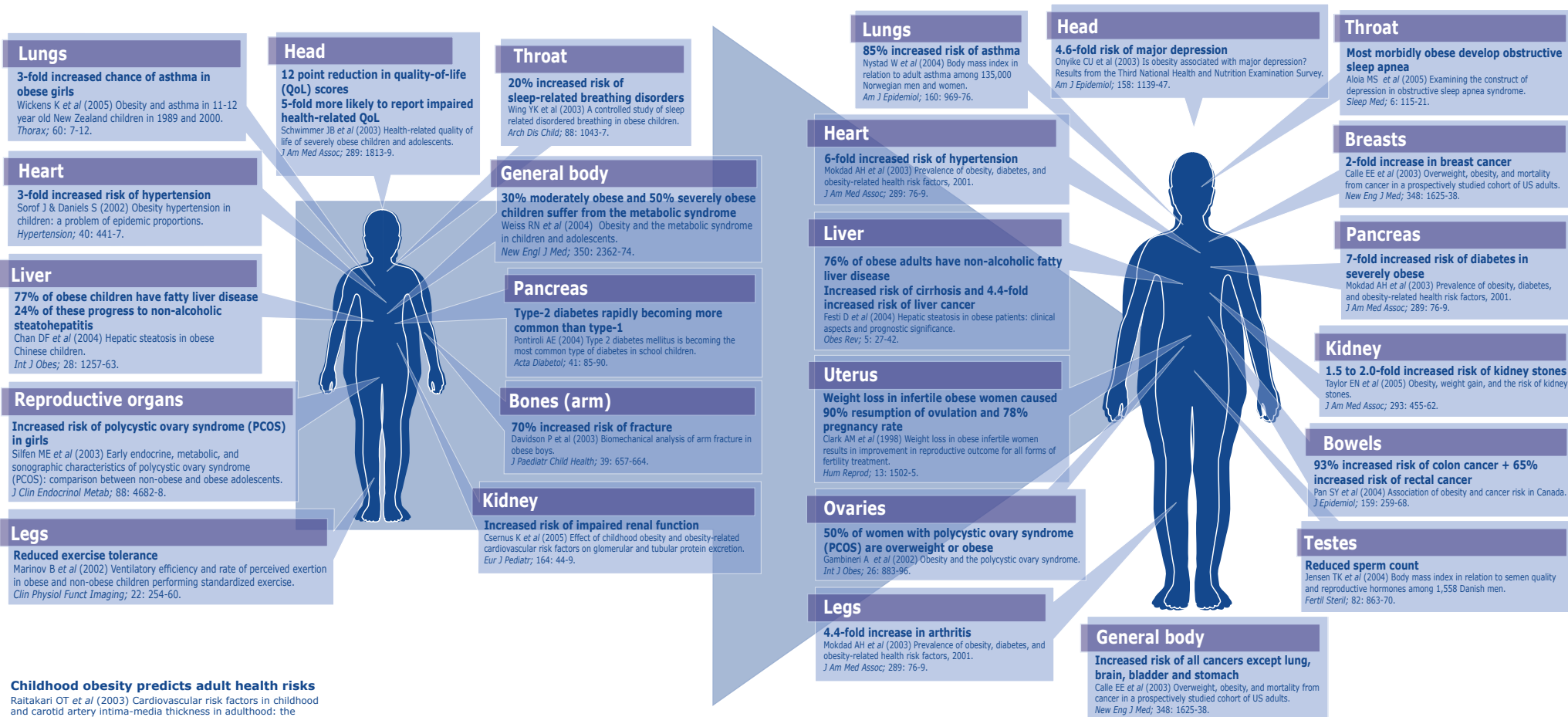
Jepp S, McCarthy D, Fry T, Prentice AM (2004). New body fat reference curves for children. Obesity Reviews (NAASO Suppl). A156.

UNDERFAT    HEALTHY    OVERFAT    OBESE

## HEALTH RISKS OF EXCESS FAT IN CHILDREN

### Children

### Adults



**Children to Adults**  
obesity = excess fat → disease



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