



Normal values for body composition: girls n = 6.392

Arranged by age. Data from the Data Input GmbH children's group aged from 3.0 - 17.9 years.
 „s“ stands for standard deviation, „P“ for percentiles and „ \bar{x} “ for mean value.

Age	n	Compartment	\bar{x}	s	P3	P10	P50	P90	P97
3	113	Body fat BF (kg)	2.7	1.5	1.4	1.5	2.5	4.1	5.0
		Body fat BF (%)	16.1	4.8	8.9	11.0	15.4	22.3	25.0
		Lean body mass LBM (kg)	13.3	1.7	10.9	11.4	13.1	15.6	16.3
		Total body water TBW (l)	10.3	1.4	8.5	8.9	10.0	11.9	12.6
		Phase angle (degrees)	5.3	0.6	4.4	4.6	5.2	6.1	6.4
4	141	Body fat BF (kg)	2.9	1.2	1.1	1.5	2.7	4.7	5.4
		Body fat BF (%)	15.4	4.7	6.7	9.4	15.2	21.4	25.1
		Lean body mass LBM (kg)	15.5	1.8	12.6	13.3	15.4	17.9	19.2
		Total body water TBW (l)	11.6	1.2	9.8	10.1	11.4	13.6	14.5
		Phase angle (degrees)	5.4	0.6	4.3	4.7	5.3	6.1	6.4
5	173	Body fat BF (kg)	3.3	1.6	1.0	1.7	3.1	5.4	7.5
		Body fat BF (%)	15.5	5.3	6.0	9.4	15.8	22.6	26.4
		Lean body mass LBM (kg)	17.5	2.4	13.3	14.5	17.5	20.5	22.4
		Total body water TBW (l)	12.9	1.7	10.0	10.9	12.8	15.1	16.4
		Phase angle (degrees)	5.7	0.6	4.7	5.0	5.6	6.3	6.6
6	1860	Body fat BF (kg)	4.7	2.1	1.9	2.7	4.2	7.2	9.7
		Body fat BF (%)	20.0	5.7	9.9	13.2	19.7	27.4	31.6
		Lean body mass LBM (kg)	18.0	2.4	14.0	15.1	17.8	21.1	23.0
		Total body water TBW (l)	13.6	1.8	10.8	11.6	13.4	16.0	17.8
		Phase angle (degrees)	5.2	0.6	4.2	4.5	5.1	5.8	6.3
7	662	Body fat BF (kg)	4.8	2.0	2.0	2.8	4.4	7.3	10.0
		Body fat BF (%)	19.6	5.3	10.1	12.9	19.6	26.3	30.4
		Lean body mass LBM (kg)	19.0	2.7	14.8	15.8	18.7	22.4	25.1
		Total body water TBW (l)	14.3	2.0	11.3	12.1	14.0	17.0	18.8
		Phase angle (degrees)	5.2	0.6	4.2	4.6	5.2	5.9	6.4
8	98	Body fat BF (kg)	5.2	3.0	0.9	2.0	4.5	9.4	13.8
		Body fat BF (%)	17.2	7.0	2.8	7.7	16.6	26.7	32.1
		Lean body mass LBM (kg)	23.8	3.6	16.9	19.0	23.5	28.8	31.1
		Total body water TBW (l)	17.2	2.7	12.8	14.0	16.7	20.7	24.1
		Phase angle (degrees)	5.9	0.9	4.5	4.9	5.7	6.9	8.6
9	347	Body fat BF (kg)	7.6	3.6	2.6	3.9	6.8	12.1	16.7
		Body fat BF (%)	21.8	6.5	8.8	13.6	22.0	30.3	34.3
		Lean body mass LBM (kg)	25.8	4.1	19.7	21.2	25.2	31.5	34.0
		Total body water TBW (l)	19.2	3.2	14.8	15.7	18.4	23.4	26.7
		Phase angle (degrees)	5.5	0.6	4.6	4.9	5.4	6.1	7.1
10	1143	Body fat BF (kg)	9.2	4.3	3.5	4.9	8.3	14.6	19.0
		Body fat BF (%)	24.1	6.7	11.6	15.8	24.2	32.9	37.0
		Lean body mass LBM (kg)	27.5	4.5	20.5	22.4	27.0	33.6	37.6
		Total body water TBW (l)	20.7	3.7	15.3	16.5	20.2	25.5	28.9
		Phase angle (degrees)	5.4	0.6	4.5	4.8	5.4	6.0	6.5
11	429	Body fat BF (kg)	9.9	4.8	3.1	4.5	8.9	17.0	21.2
		Body fat BF (%)	24.0	7.5	9.3	14.2	23.7	34.2	37.0
		Lean body mass LBM (kg)	29.8	5.5	21.1	23.6	28.9	37.1	41.4
		Total body water TBW (l)	22.3	4.3	15.6	17.6	21.4	28.0	31.2
		Phase angle (degrees)	5.4	0.6	4.4	4.7	5.3	6.0	6.6
12	80	Body fat BF (kg)	8.9	4.4	3.5	4.4	7.7	14.3	21.5
		Body fat BF (%)	19.8	6.6	9.1	12.1	18.4	28.9	37.3
		Lean body mass LBM (kg)	34.8	5.7	23.6	26.7	34.7	42.6	44.6
		Total body water TBW (l)	24.8	4.0	17.4	18.9	24.5	29.9	33.5
		Phase angle (degrees)	5.6	0.7	4.4	4.8	5.6	6.6	7.5
13	53	Body fat BF (kg)	10.0	4.3	3.6	5.1	9.3	16.5	19.7
		Body fat BF (%)	19.7	5.9	9.9	11.9	20.5	28.0	30.6
		Lean body mass LBM (kg)	39.3	5.6	26.6	33.4	38.5	46.3	52.5
		Total body water TBW (l)	27.8	4.3	18.8	23.7	27.5	33.7	38.2
		Phase angle (degrees)	5.8	0.5	5.0	5.1	5.8	6.7	7.0
14	192	Body fat BF (kg)	14.6	5.6	6.3	8.8	13.5	15.9	28.0
		Body fat BF (%)	25.2	5.7	14.7	18.1	25.1	34.2	36.2
		Lean body mass LBM (kg)	41.9	5.7	33.5	36.0	41.1	47.1	55.3
		Total body water TBW (l)	30.9	4.7	24.5	26.4	29.9	35.0	41.8
		Phase angle (degrees)	5.5	0.6	4.4	4.8	5.5	6.1	6.5
15	334	Body fat BF (kg)	17.9	4.5	9.4	12.3	17.9	23.5	26.7
		Body fat BF (%)	28.6	5.0	17.6	22.5	29.1	34.6	37.4
		Lean body mass LBM (kg)	44.2	4.9	34.4	38.0	44.0	50.7	53.3
		Total body water TBW (l)	33.3	3.6	26.2	28.6	33.3	37.9	40.2
		Phase angle (degrees)	5.8	0.6	4.6	5.0	5.7	6.6	7.0
16	354	Body fat BF (kg)	18.8	3.8	11.6	13.8	18.9	23.9	25.7
		Body fat BF (%)	29.6	4.5	21.2	23.9	29.4	35.0	37.9
		Lean body mass LBM (kg)	44.6	4.8	35.6	39.2	44.1	50.9	53.9
		Total body water TBW (l)	33.8	3.3	27.4	29.6	33.8	38.0	39.9
		Phase angle (degrees)	5.9	0.7	4.6	5.1	5.8	6.7	7.2
17	397	Body fat BF (kg)	18.3	4.1	11.4	13.0	18.5	23.6	26.2
		Body fat BF (%)	28.8	4.8	19.4	22.5	28.9	34.5	37.6
		Lean body mass LBM (kg)	45.0	4.9	35.8	38.6	44.7	51.4	54.4
		Total body water TBW (l)	33.9	3.3	27.7	29.5	34.0	38.2	40.1
		Phase angle (degrees)	6.0	0.6	4.9	5.2	5.9	6.7	7.4



Normal values for body composition: girls n = 6.392

Arranged by compartment. Data from the Data Input GmbH children's group aged from 3.0 - 17.9 years. „s“ stands for standard deviation, „P“ for percentiles and „ \bar{x} “ for mean value.

Compartment	Age	n	\bar{x}	s	P3	P10	P50	P90	P97	
Body fat BF (kg)	3	113	2.7	1.5	1.4	1.5	2.5	4.1	5.0	
	4	141	2.9	1.2	1.1	1.5	2.7	4.7	5.4	
	5	173	3.3	1.6	1.0	1.7	3.1	5.4	7.5	
	6	1860	4.7	2.1	1.9	2.7	4.2	7.2	9.7	
	7	662	4.8	2.0	2.0	2.8	4.4	7.3	10.0	
	8	98	5.2	3.0	0.9	2.0	4.5	9.4	13.8	
	9	347	7.6	3.6	2.6	3.9	6.8	12.1	16.7	
	10	1143	9.2	4.3	3.5	4.9	8.3	14.6	19.0	
	11	429	9.9	4.8	3.1	4.5	8.9	17.0	21.2	
	12	80	8.9	4.4	3.5	4.4	7.7	14.3	21.5	
	13	53	10.0	4.3	3.6	5.1	9.3	16.5	19.7	
	14	192	14.6	5.6	6.3	8.8	13.5	15.9	28.0	
	15	334	17.9	4.5	9.4	12.3	17.9	23.5	26.7	
	16	354	18.8	3.8	11.6	13.8	18.9	23.9	25.7	
	17	397	18.3	4.1	11.4	13.0	18.5	23.6	26.2	
	Body fat BF (%)	3	113	16.1	4.8	8.9	11.0	15.4	22.3	25.0
		4	141	15.4	4.7	6.7	9.4	15.2	21.4	25.1
5		173	15.5	5.3	6.0	9.4	15.8	22.6	26.4	
6		1860	20.0	5.7	9.9	13.2	19.7	27.4	31.6	
7		662	19.6	5.3	10.1	12.9	19.6	26.3	30.4	
8		98	17.2	7.0	2.8	7.7	16.6	26.7	32.1	
9		347	21.8	6.5	8.8	13.6	22.0	30.3	34.3	
10		1143	24.1	6.7	11.6	15.8	24.2	32.9	37.0	
11		429	24.0	7.5	9.3	14.2	23.7	34.2	37.0	
12		80	19.8	6.6	9.1	12.1	18.4	28.9	37.3	
13		53	19.7	5.9	9.9	11.9	20.5	28.0	30.6	
14		192	25.2	5.7	14.7	18.1	25.1	34.2	36.2	
15		334	28.6	5.0	17.6	22.5	29.1	34.6	37.4	
16		354	29.6	4.5	21.2	23.9	29.4	35.0	37.9	
17		397	28.8	4.8	19.4	22.5	28.9	34.5	37.6	
Total body water TBW (kg)		3	113	13.3	1.7	10.9	11.4	13.1	15.6	16.3
		4	141	15.5	1.8	12.6	13.3	15.4	17.9	19.2
	5	173	17.5	2.4	13.3	14.5	17.5	20.5	22.4	
	6	1860	18.0	2.4	14.0	15.1	17.8	21.1	23.0	
	7	662	19.0	2.7	14.8	15.8	18.7	22.4	25.1	
	8	98	23.8	3.6	16.9	19.0	23.5	28.8	31.1	
	9	347	25.8	4.1	19.7	21.2	25.2	31.5	34.0	
	10	1143	27.5	4.5	20.5	22.4	27.0	33.6	37.6	
	11	429	29.8	5.5	21.1	23.6	28.9	37.1	41.4	
	12	80	34.8	5.7	23.6	26.7	34.7	42.6	44.6	
	13	53	39.3	5.6	26.6	33.4	38.5	46.3	52.5	
	14	192	41.9	5.7	33.5	36.0	41.1	37.1	55.3	
	15	334	44.2	4.9	34.4	38.0	44.0	50.7	53.3	
	16	354	44.6	4.8	35.6	39.2	44.1	50.9	53.9	
	17	397	45.0	4.9	35.8	38.6	44.7	51.4	54.4	
	Lean body mass LBM (l)	3	113	10.3	1.4	8.5	8.9	10.0	11.9	12.6
		4	141	11.6	1.2	9.8	10.1	11.4	13.6	14.5
5		173	12.9	1.7	10.0	10.9	12.8	15.1	16.4	
6		1860	13.6	1.8	10.8	11.6	13.4	16.0	17.8	
7		662	14.3	2.0	11.3	12.1	14.0	17.0	18.8	
8		98	17.2	2.7	12.8	14.0	16.7	20.7	24.1	
9		347	19.2	3.2	14.8	15.7	18.4	23.4	26.7	
10		1143	20.7	3.7	15.3	16.5	20.2	25.5	28.9	
11		429	22.3	4.3	15.6	17.6	21.4	28.0	31.2	
12		80	24.8	4.0	17.4	18.9	24.5	29.9	33.5	
13		53	27.8	4.3	18.8	23.7	27.5	33.7	38.2	
14		192	30.9	4.7	24.5	26.4	29.9	28.0	41.8	
15		334	33.3	3.6	26.2	28.6	33.3	37.9	40.2	
16		354	33.8	3.3	27.4	29.6	33.8	38.0	39.9	
17		397	33.9	3.3	27.7	29.5	34.0	38.2	40.1	
Phase angle (degrees)		3	113	5.3	0.6	4.4	4.6	5.2	6.1	6.4
		4	141	5.4	0.6	4.3	4.7	5.3	6.1	6.4
	5	173	5.7	0.6	4.7	5.0	5.6	6.3	6.6	
	6	1860	5.2	0.6	4.2	4.5	5.1	5.8	6.3	
	7	662	5.2	0.6	4.2	4.6	5.2	5.9	6.4	
	8	98	5.9	0.9	4.5	4.9	5.7	6.9	8.6	
	9	347	5.5	0.6	4.6	4.9	5.4	6.1	7.1	
	10	1143	5.4	0.6	4.5	4.8	5.4	6.0	6.5	
	11	429	5.4	0.6	4.4	4.7	5.3	6.0	6.6	
	12	80	5.6	0.7	4.4	4.8	5.6	6.6	7.5	
	13	53	5.8	0.5	5.0	5.1	5.8	6.7	7.0	
	14	192	5.5	0.6	4.4	4.8	5.5	6.1	6.5	
	15	334	5.8	0.6	4.6	5.0	5.7	6.6	7.0	
	16	354	5.9	0.7	4.6	5.1	5.8	6.7	7.2	
	17	397	6.0	0.6	4.9	5.2	5.9	6.7	7.4	