

PREVENTIVE CARE RECOMMENDATIONS

PEDIATRIC AGES 1-17

BP Levels for Boys by Age and Height Percentile

Age = 1 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	30.4		30.8		31.6		32.4		33.3		34.1		34.6	
Ht (cm)	77.2		78.3		80.2		82.4		84.6		86.7		87.9	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	85	40	85	40	86	40	86	41	87	41	88	42	88	42
90 th	98	52	99	52	99	53	100	53	100	54	101	54	101	54
95 th	102	54	102	54	103	55	103	55	104	56	105	57	105	57
95 th +12mmHg	114	66	114	66	115	67	115	67	116	68	117	69	117	69

Age = 2 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	33.9		34.4		35.3		36.3		37.3		38.2		38.8	
Ht (cm)	86.1		87.4		89.6		92.1		94.7		97.1		98.5	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	87	43	87	43	88	44	89	44	89	45	90	46	91	46
90 th	100	55	100	55	101	56	102	56	103	57	103	58	104	58
95 th	104	57	105	58	105	58	106	59	107	60	107	61	108	61
95 th +12mmHg	116	69	117	70	117	70	118	71	119	72	119	73	120	73

Age = 3 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	36.4		37		37.9		39		40.1		41.1		41.7	
Ht (cm)	92.5		93.9		96.3		99		101.8		104.3		105.8	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	88	45	89	46	89	46	90	47	91	48	92	49	92	49
90 th	101	58	102	58	102	59	103	59	104	60	105	61	105	61
95 th	106	60	106	61	107	61	107	62	108	63	109	64	109	64
95 th +12mmHg	118	72	118	73	119	73	119	74	120	75	121	76	121	76

Age = 4 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	38.8		39.4		40.5		41.7		42.9		43.9		44.5	
Ht (cm)	98.5		100.2		102.9		105.9		108.9		111.5		113.2	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	90	48	90	49	91	49	92	50	93	51	94	52	94	52
90 th	102	60	103	61	104	62	105	62	105	63	106	64	107	64
95 th	107	63	107	64	108	65	108	66	109	67	110	67	110	68
95 th +12mmHg	119	75	119	76	120	77	120	78	121	79	122	79	122	80

Table adapted from "Clinical Practice Guideline for Screening and Management of High Blood Pressure in Children and Adolescents" in *Pediatrics*, September 2017, Volume 140 / Issue 3

PREVENTIVE CARE RECOMMENDATIONS

PEDIATRIC AGES 1-17

BP Levels for Boys by Age and Height Percentile

Age = 5 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	41.1		41.8		43.0		44.3		45.5		46.7		47.4	
Ht (cm)	1.4.4		106.2		109.1		112.4		115.7		118.6		120.3	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	91	51	92	51	93	52	94	53	95	54	96	55	96	55
90 th	103	63	104	64	105	65	106	65	107	66	108	67	108	67
95 th	107	66	108	67	109	68	109	69	110	70	111	70	112	71
95 th +12mmHg	119	78	120	79	121	80	121	81	122	82	123	82	124	83

Age = 6 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	43.4		44.2		45.4		46.8		48.2		49.4		50.2	
Ht (cm)	110.3		112.2		115.3		118.9		122.4		125.6		127.5	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	93	54	93	54	94	55	95	56	96	57	97	57	98	58
90 th	105	66	105	66	106	67	107	68	109	68	110	69	110	69
95 th	108	69	109	70	110	70	111	71	112	72	113	72	114	73
95 th +12mmHg	120	81	121	82	122	82	123	83	124	84	125	84	126	85

Age = 7 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	45.7		46.5		47.8		49.3		50.8		52.1		52.9	
Ht (cm)	116.1		118		121.4		125.1		128.9		132.4		134.5	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	94		94		95		87		98		98		99	
90 th	106		107		108		109		110		111		111	
95 th	110		110		111		112		114		115		116	
95 th +12mmHg	122		122		123		124		126		127		128	

Age = 8 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	47.8		48.6		50		51.6		53.2		54.6		55.5	
Ht (cm)	121.4		123.5		127		131		135.1		138.8		141	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	95	57	96	57	97	58	98	59	99	59	99	60	100	60
90 th	107	69	108	70	109	70	110	71	111	72	112	72	112	73
95 th	111	72	112	73	112	73	114	74	115	75	116	75	117	75
95 th +12mmHg	123	84	124	85	124	85	126	86	127	87	128	87	129	87

Table adapted from "Clinical Practice Guideline for Screening and Management of High Blood Pressure in Children and Adolescents" in *Pediatrics*, September 2017, Volume 140 / Issue 3

PREVENTIVE CARE RECOMMENDATIONS

PEDIATRIC AGES 1-17

BP Levels for Boys by Age and Height Percentile

Age = 9 Year
Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	49.6		50.5		52		53.7		55.4		56.9		57.9	
Ht (cm)	126		128.3		132.1		136.3		1407		144.7		147.1	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	96	57	97	58	98	59	99	60	100	61	101	62	101	62
90 th	107	70	108	71	109	72	110	73	112	74	113	74	114	74
95 th	112	74	112	74	113	75	115	76	116	76	118	77	119	77
95 th +12mmHg	124	86	124	86	125	87	127	88	128	88	130	89	131	89

Age = 10 Year
Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	51.3		52.2		53.8		55.6		57.4		59.1		60.1	
Ht (cm)	130.2		132.7		136.7		141.3		145.9		150.1		152.7	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	97	59	98	60	99	61	100	62	101	63	102	63	103	64
90 th	108	72	109	73	111	74	112	74	113	75	115	75	116	76
95 th	112	76	113	76	114	77	116	77	118	78	120	78	121	78
95 th +12mmHg	124	88	125	88	126	89	128	89	130	90	132	90	133	90

Age = 11 Year
Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	53		54		55.7		57.6		59.6		61.3		62.4	
Ht (cm)	134.7		137.3		141.5		146.4		151.3		155.8		158.6	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	99	61	99	61	101	62	102	63	103	63	104	63	106	63
90 th	110	74	111	74	112	75	114	75	116	75	117	76	118	76
95 th	114	77	114	78	116	78	118	78	120	78	123	78	124	78
95 th +12mmHg	126	89	126	90	128	90	130	90	132	90	135	90	136	90

Age = 12 Year
Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	55.2		56.3		58.1		60.1		62.2		64		65.2	
Ht (cm)	140.3		143		147.5		152.7		157.9		162.6		165.5	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	101	61	101	62	102	62	104	62	106	62	108	63	109	63
90 th	113	75	114	75	115	75	117	75	119	75	121	76	122	76
95 th	116	78	117	78	118	78	121	78	124	78	126	79	128	79
95 th +12mmHg	128	90	129	90	130	90	133	90	136	90	138	91	140	91

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PREVENTIVE CARE RECOMMENDATIONS

PEDIATRIC AGES 1-17

BP Levels for Boys by Age and Height Percentile

Age = 13 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	57.9		59.1		61		63.1		65.2		67.1		68.3	
Ht (cm)	147		150		154.9		160.3		165.7		170.5		173.4	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	103	61	104	60	105	61	108	62	110	63	111	64	112	65
90 th	115	74	116	74	118	74	121	75	124	76	126	77	126	77
95 th	119	78	120	78	122	78	125	78	128	80	130	81	131	81
95 th +12mmHg	131	90	132	90	134	90	137	90	140	92	142	93	143	93

Age = 14 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	60.6		61.8		63.8		65.9		68.0		69.8		70.9	
Ht (cm)	153.8		156.9		162		167.5		172.7		177.4		180.1	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	105	60	106	60	109	62	111	64	112	65	113	66	113	67
90 th	119	74	120	74	123	75	126	77	127	78	128	79	129	80
95 th	123	77	125	78	127	79	130	81	132	82	133	83	134	84
95 th +12mmHg	135	89	137	90	139	91	142	93	144	94	145	95	146	96

Age = 15 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	62.6		63.8		65.7		67.8		69.8		71.5		72.5	
Ht (cm)	159		162		166.9		172.2		177.2		181.6		184.2	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	108	61	110	62	112	64	113	65	114	66	114	67	114	68
90 th	123	75	124	76	126	78	128	79	129	80	130	81	130	81
95 th	127	78	129	79	131	81	132	83	134	84	135	85	135	85
95 th +12mmHg	139	90	141	91	143	93	144	95	146	96	147	97	147	97

Age = 16 Year

Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	63.8		64.9		66.8		68.8		70.7		72.4		73.4	
Ht (cm)	162.1		165		169.6		174.6		179.5		183.8		186.4	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	111	63	112	64	114	66	115	67	115	68	116	69	116	69
90 th	126	77	127	78	128	79	129	80	131	81	131	82	132	82
95 th	130	80	131	81	133	83	134	84	135	85	136	86	137	86
95 th +12mmHg	142	92	143	93	145	95	146	96	147	97	148	98	149	98

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PREVENTIVE CARE RECOMMENDATIONS PEDIATRIC AGES 1-17

BP Levels for Boys by Age and Height Percentile

Age = 17 Year
Height Percentile or Measured Height

	5%		10%		25%		50%		75%		90%		95%	
Ht (in)	64.5		65.5		67.3		69.2		71.1		72.8		73.8	
Ht (cm)	163.8		166.5		170.9		175.8		180.7		184.9		187.5	
BP %tile	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP	SBP	DBP
50 th	114	65	115	66	116	67	117	68	117	69	118	70	118	70
90 th	128	78	129	79	130	80	131	81	132	82	133	82	134	83
95 th	132	81	133	82	134	84	135	85	137	86	138	86	138	87
95 th +12mmHg	144	93	145	94	146	96	147	97	149	98	150	98	150	99

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