BÉ TRAI TỪ 0 - 60 THÁNG

CÂN NẶNG / TUỔI					CHIỀU CAO / TUỔI			
(-3SD)	(-2SD)	TB	(+2SD)	THÁNG	(-3SD)	(-2SD)	TB	(+2SD)
2.1	2.5	3.3	4.4	0	44.2	46.1	49.9	53.7
2.9	3.4	4.5	5.8	1	48.9	50.8	54.7	58.6
3.8	4.3	5.6	7.1	2	52.4	54.4	58.4	62.4
4.4	5	6.4	8	3	55.3	57.3	61.4	65.5
4.9	5.6	7	8.7	4	57.6	59.7	63.9	68
5.3	6	7.5	9.3	5	59.6	61.7	65.9	70.1
5.7	6.4	7.9	9.8	6	61.2	63.3	67.6	71.9
5.9	6.7	8.3	10.3	7	62.7	64.8	69.2	73.5
6.2	6.9	8.6	10.7	8	64	66.2	70.6	75
6.4	7.1	8.9	11	9	65.2	67.5	72	76.5
6.6	7.4	9.2	11.4	10	66.4	68.7	73.3	77.9
6.8	7.6	9.4	11.7	11	67.6	69.9	74.5	79.2
6.9	7.7	9.6	12	12	68.6	71	75.7	80.5
7.1	7.9	9.9	12.3	13	69.6	72.1	76.9	81.8
7.2	8.1	10.1	12.6	14	70.6	73.1	78	83
7.4	8.3	10.3	12.8	15	71.6	74.1	79.1	84.2
7.5	8.4	10.5	13.1	16	72.5	75	80.2	85.4
7.7	8.6	10.7	13.4	17	73.3	76	81.2	86.5
7.8	8.8	10.9	13.7	18	74.2	76.9	82.3	87.7
8	8.9	11.1	13.9	19	75	77.7	83.2	88.8
8.1	9.1	11.3	14.2	20	75.8	78.6	84.2	89.8
8.2	9.2	11.5	14.6	21	76.5	79.4	85.1	90.9
8.4	9.4	11.8	14.7	22	77.2	80.2	86	91.9
8.5	9.5	12	15	23	78	81	86.9	92.9
8.6	9.7	12.2	15.3	24	78.7	81.7	87.8	93.9
8.8	9.8	12.4	15.5	25	78.6	81.7	88	94.2
8.9	10	12.5	15.8	26	79.3	82.5	88.8	95.2
9	10.1	12.7	16.1	27	79.9	83.1	89.6	96.1
9.1	10.2	12.9	16.3	28	80.5	83.8	90.4	97
9.2	10.4	13.1	16.6	29	81.1	84.5	91.2	97.9
9.4	10.5	13.3	16.9	30	81.7	85.1	91.9	98.7
9.5	10.7	13.5	17.1	31	82.3	85.7	92.7	99.6
9.6	10.8	13.7	17.4	32	82.8	86.4	93.4	100.4
9.7	10.9	13.8	17.6	33	83.4	86.9	94.1	101.2
9.8	11	14	17.8	34	83.9	87.5	94.8	102
9.9	11.2	14.2	18.1	35	84.4	88.1	95.4	102.7
10	11.3	14.3	18.3	36	85	88.7	96.1	103.5
10.1	11.4	14.5	18.6	37	85.5	89.2	96.7	104.2
10.2	11.5	14.7	18.8	38	86	89.8	97.4	105
10.3	11.6	14.8	19	39	86.5	90.3	98	105.7
10.4	11.8	15	19.3	40	87	90.9	98.6	106.4
10.5	11.9	15.2	19.5	41	87.5	91.4	99.2	107.1
10.6	12	15.3	19.7	42	88	91.9	99.9	107.8
10.7	12.1	15.5	20	43	88.4	92.4	100.4	108.5
10.8	12.2	15.7	20.2	44	88.9	93	101	109.1
10.9	12.4	15.8	20.5	45	89.4	93.5	101.6	109.8
11	12.5	16	20.7	46	89.8	94	102.2	110.4
11.1	12.6	16.2	20.9	47	90.3	94.4	102.8	111.1
11.2	12.7	16.3	21.2	48	90.7	94.9	103.3	111.7
11.3	12.8	16.5	21.4	49	91.2	95.4	103.9	112.4
11.4	12.9	16.7	21.7	50	91.6	95.9	104.4	113
11.5	13.1	16.8	21.9	51	92.1	96.4	105	113.6
11.6	13.2	17	22.2	52	92.5	96.9	105.6	114.2
11.7	13.3	17.2	22.4	53	93	97.4	106.1	114.9
11.8	13.4	17.3	22.7	54	93.4	97.8	106.7	115.5
11.9	13.5	17.5	22.9	55	93.9	98.3	107.2	116.1
12	13.6	17.7	23.2	56	94.3	98.8	107.8	116.7
12.1	13.7	17.8	23.4	57	94.7	99.3	108.3	117.4
12.2	13.8	18	23.7	58	95.2	99.7	108.9	118
12.3	14	18.2	23.9	59	95.6	100.2	109.4	118.6
12.4	14.1	18.3	24.2	60	96.1	100.7	110	119.2

BÉ GÁI TỪ 0 - 60 THÁNG

CÂN NẶNG / TUỔI					CHIỀU CAO / TUỔI			
(-3SD)	(-2SD)	TB	(+2SD)	THÁNG	(-3SD)	(-2SD)	TB	(+2SD)
2	2.4	3.2	4.2	0	43.6	45.4	49.1	52.9
2.7	3.2	4.2	5.5	1	47.8	49.8	53.7	57.6
3.4	3.9	5.1	6.6	2	51	53	57.1	61.1
4	4.5	5.8	7.5	3	53.5	55.6	59.8	64
4.4	5	6.4	8.2	4	55.6	57.8	62.1	66.4
4.8	5.4	6.9	8.8	5	57.4	59.6	64	68.5
5.1	5.7	7.3	9.3	6	58.9	61.2	65.7	70.3
5.3	6	7.6	9.8	7	60.3	62.7	67.3	71.9
5.6	6.3	7.9	10.2	8	61.7	64	68.7	73.5
5.8	6.5	8.2	10.5	9	62.9	65.3	70.1	75
5.9	6.7	8.5	10.9	10	64.1	66.6	71.5	76.4
6.1	6.9	8.7	11.2	11	65.2	67.7	72.8	77.8
6.3	7	8.9	11.5	12	66.3	68.9	74	79.2
6.4	7.2	9.2	11.8	13	67.3	70	75.2	80.5
6.6	7.4	9.4	12.1	14	68.3	71	76.4	81.7
6.7	7.6	9.6	12.4	15	69.3	72	77.5	83
6.9	7.7	9.8	12.6	16	70.2	73	78.6	84.2
7	7.9	10	12.9	17	71.1	74	79.7	85.4
7.2	8.1	10.2	13.2	18	72	74.9	80.7	86.5
7.3	8.2	10.4	13.5	19	72.8	75.8	81.7	87.6
7.5	8.4	10.6	13.7	20	73.7	76.7	82.7	88.7
7.6	8.6	10.9	14	21	74.5	77.5	83.7	89.8
7.8	8.7	11.1	14.3	22	75.2	78.4	84.6	90.8
7.9	8.9	11.3	14.6	23	76	79.2	85.5	61.9
8.1	9	11.5	14.8	24	76.7	80	86.4	92.9
8.2	9.2	11.7	15.1	25	76.8	80	86.6	93.1
8.4	9.4	11.9	15.4	26	77.5	80.8	87.4	94.1
8.5	9.5	12.1	15.7	27	78.1	81.5	88.3	95
8.6	9.7	12.3	16	28	78.8	82.2	89.1	96
8.8	9.8	12.5	16.2	29	79.5	82.9	89.9	96.9
8.9	10	12.7	16.5	30	80.1	83.6	90.7	97.7
9	10.1	12.9	16.8	31	80.7	84.3	91.4	98.6
9.1	10.3	13.1	17.1	32	81.3	84.9	92.2	99.4
9.3	10.4	13.3	17.3	33	81.9	85.6	92.9	100.3
9.4	10.5	13.5	17.6	34	82.5	86.2	93.6	101.1
9.5	10.7	13.7	17.9	35	83.1	86.8	94.4	101.9
9.6	10.8	13.9	18.1	36	83.6	87.4	95.1	102.7
9.7	10.9	14	18.4	37	84.2	88	95.7	103.4
9.8	11.1	14.2	18.7	38	84.7	88.6	96.4	104.2
9.9	11.2	14.4	19	39	85.3	89.2	97.1	105
10.1	11.3	14.6	19.2	40	85.8	89.8	97.7	105.7
10.2	11.5	14.8	19.5	41	86.3	90.4	98.4	106.4
10.3	11.6	15	19.8	42	86.8	90.9	99	107.2
10.4	11.7	15.2	20.1	43	87.4	91.5	99.7	107.9
10.5	11.8	15.3	20.4	44	87.9	92	100.3	108.6
10.6	12	15.5	20.7	45	88.4	92.5	100.9	109.3
10.7	12.1	15.7	20.9	46	88.9	93.1	101.5	110
10.8	12.2	15.9	21.2	47	89.3	93.6	102.1	110.7
10.9	12.3	16.1	21.5	48	89.8	94.1	102.7	111.3
11	12.4	16.3	21.8	49	90.3	94.6	103.3	112
11.1	12.6	16.4	22.1	50	90.7	95.1	103.9	112.7
11.2	12.7	16.6	22.4	51	91.2	95.6	104.5	113.3
11.3	12.8	16.8	22.6	52	91.7	96.1	105	114
11.4	12.9	17	22.9	53	92.1	96.6	105.6	114.6
11.5	13	17.2	23.2	54	92.6	97.1	106.2	115.2
11.6	13.2	17.3	23.5	55	93	97.6	106.7	115.9
11.7	13.3	17.5	23.8	56	93.4	98.1	107.3	116.5
11.8	13.4	17.7	24.1	57	93.9	98.5	107.8	117.1
11.9	13.6	17.9	24.4	58	94.3	99	108.4	117.7
12	13.6	18	24.6	59	94.7	99.5	108.9	118.3
12.1	13.7	18.2	24.9	60	95.2	99.9	109.4	118.9

PERCENTILE OF **STATURE AND WEIGHT** BY AGE FOR **BOYS 2-18 YEARS OLD**

Age (Year)	5th	10th	25th	50th	75th	90th	95th
2	82.50	83.50	85.30	86.80	89.20	92.00	94.40
	10.49	10.96	11.55	12.34	13.36	14.38	15.50
2.5	85.40	86.50	88.50	90.40	92.90	95.60	97.80
	11.27	11.77	12.55	13.52	14.61	15.71	16.61
3	89.00	90.30	92.60	94.90	97.50	100.10	102.00
	12.05	12.58	13.12	14.62	15.78	16.95	17.77
3.5	92.50	93.90	96.40	99.10	101.70	104.30	106.10
	12.84	13.41	14.46	15.68	16.90	18.15	18.98
4	95.80	97.30	100.00	102.90	105.70	108.20	109.90
	13.64	14.24	15.39	16.69	17.99	19.32	20.27
4.5	98.90	100.60	103.40	106.60	109.40	111.90	113.50
	14.45	15.10	16.30	17.69	19.06	20.50	21.63
5	102.00	103.70	106.50	109.90	112.80	115.40	117.00
	15.27	15.96	17.22	18.67	20.14	21.70	23.09
5.5	104.90	106.70	109.60	113.10	116.10	118.70	120.30
	16.09	16.83	18.14	19.67	21.25	22.96	24.66
6	107.70	109.60	112.50	116.10	119.20	121.90	123.50
	16.93	17.72	19.07	20.69	22.40	24.31	26.34
6.5	110.40	112.30	115.30	119.00	122.20	124.90	126.60
	17.78	18.62	20.02	21.74	23.62	25.76	28.16
7	113.00	115.00	118.00	121.70	125.00	127.90	129.70
	18.64	19.53	21.00	22.85	24.94	27.36	30.12
7.5	115.60	117.60	120.60	124.40	127.80	130.80	132.70
	19.52	20.45	22.02	24.03	26.36	29.11	32.73
8	118.10	120.20	123.20	127.00	130.50	133.60	135.70
	20.40	21.39	22.09	25.30	27.91	31.06	34.51
8.5	120.50	122.70	125.70	129.60	133.20	136.50	138.80
	21.31	22.34	24.21	26.66	29.61	33.22	36.96
9	122.90	122.20	128.20	132.20	136.00	139.40	141.80
	22.25	23.33	25.40	28.13	31.46	35.57	39.58
9.5	125.30	127.60	130.80	134.80	136.80	142.40	144.90
	23.25	24.38	26.88	29.73	33.46	38.11	42.35
10	127.70	130.10	133.40	137.50	141.60	145.50	148.10
	24.33	25.52	28.07	31.44	33.61	40.08	45.27
10.5	130.10	132.60	136.00	140.30	144.60	148.70	151.50
	25.51	26.78	29.59	33.30	37.92	43.63	48.31
11	132.60	135.10	138.70	143.33	147.80	152.10	154.90
	26.80	28.17	31.25	35.30	40.38	46.57	51.47
11.5	135.00	137.70	141050	146.40	151.10	155.60	158.50
	28.24	29.72	33.08	37.46	43.00	49.61	54.73
12	137.60	140.30	144.40	149.70	154.60	159.40	162.30
	29.85	31.46	35.09	39.78	45.77	52.73	58.09
12.5	140.20	143.00	147.40	153.00	158.20	163.20	166.10
	31.64	33.41	37.31	42.27	48.70	55.91	61.52
13	142.90	145.80	150.50	156.50	167.80	167.00	169.80
	33.64	35.60	39.74	44.95	51.79	59.12	65.02
13.5	145.70	148.70	153.60	159.90	165.30	170.50	173.40
	35.85	38.03	42.40	47.81	55.02	62.35	68.51
14	148.80	151.80	156.90	163.10	168.50	173.80	176.70
	38.27	40.64	45.21	50.77	58.31	65.57	72.13
14.5	152.00	155.00	160.10	166.20	171.50	176.60	179.50
	40.66	43.34	48.08	53.76	61.58	68.76	75.66
15	155.20	158.20	163.30	169.00	174.10	178.90	181.90
	43.11	46.06	50.92	56.71	64.72	71.91	79.12
15.5	158.30	161.20	166.20	171.50	176.30	180.80	183.90
	45.50	48.69	53.64	59.51	67.64	74.98	82.45
16	161.10	163.90	168.70	173.50	178.10	182.40	185.40
	47.74	51.16	56.16	62.10	70.26	77.97	85.62
16.5	163.40	166.10	170.60	175.20	179.50	183.60	186.60
	49.76	53.39	58.38	64.39	72.46	80.84	88.59
17	164.90	167.70	171.90	176.20	180.50	184.40	187.30
	51.50	52.28	60.22	66.31	74.17	83.58	91.31
17.5	165.60	168.50	172.40	176.70	181.00	185.00	187.60
	52.89	56.78	61.61	67.78	75.32	86.14	93.73
18	165.70	168.70	172.30	176.80	181.20	185.30	187.60
	53.97	57.89	62.61	68.88	76.00	88.41	95.76

Stature measured in centimeters (cm). Weight measured in kilogram (kg)

PERCENTILE OF **STATURE AND WEIGHT** BY AGE FOR **GIRLS 2-18 YEARS OLD**

Age (Year)	5th	10th	25th	50th	75th	90th	95th
2	81.60	82.10	84.00	86.80	89.30	92.00	93.60
	9.95	10.32	10.96	11.80	12.73	13.58	14.15
2.5	84.60	85.30	87.30	90.00	92.50	95.00	96.60
	10.80	11.35	12.11	13.03	14.23	15.16	15.76
3	88.30	89.30	91.40	94.10	96.60	99.00	100.60
	11.61	12.26	13.11	14.10	15.50	16.54	17.22
3.5	91.70	93.00	95.20	97.90	100.50	102.80	104.50
	12.37	13.08	14.00	15.07	16.59	17.77	18.59
4	95.00	96.40	98.80	101.60	104.30	106.60	108.30
	13.11	13.84	14.80	15.96	17.56	18.93	19.91
4.5	98.10	99.70	102.20	105.00	107.90	110.20	112.00
	13.83	14.56	15.55	16.81	18.48	20.06	21.24
5	101.10	102.70	105.40	108.40	111.40	113.80	115.60
	14.55	15.26	16.29	17.66	19.39	21.23	22.62
5.5	103.90	105.60	108.40	111.60	114.80	117.40	119.20
	15.29	15.97	17.05	18.56	20.36	24.48	24.11
6	106.60	108.40	111.30	114.60	118.10	120.80	122.70
	16.05	16.72	17.86	19.52	21.44	23.89	25.57
6.5	109.20	111.00	114.10	117.60	121.30	124.20	126.10
	16.85	17.51	18.76	20.61	22.68	25.50	27.59
7	111.80	113.60	116.80	120.60	124.40	127.60	129.50
	17.71	18.39	19.78	21.84	24.16	27.39	29.68
7.5	114.40	116.20	119.50	123.50	127.50	130.90	132.90
	18.62	19.37	20.95	23.26	25.90	29.57	32.07
8	116.90	118.70	122.20	126.40	130.60	134.20	136.20
	19.62	20.45	22.26	24.84	27.88	32.04	34.71
8.5	119.50	121.30	124.90	129.30	133.60	137.40	139.60
	20.68	21.64	23.70	26.58	30.08	34.73	37.58
9	122.10	123.90	127.70	132.20	136.70	140.70	142.90
	21.82	22.92	25.27	28.46	32.44	37.60	40.64
9.5	124.80	126.60	130.60	135.20	139.80	143.90	146.20
	23.05	24.29	26.94	30.45	34.49	40.61	43.85
10	127.50	129.50	133.60	138.30	142.90	147.20	149.50
	24.36	25.76	28.71	32.55	37.53	43.70	47.17
10.5	130.40	132.50	136.70	141.50	146.10	150.40	152.80
	25.75	27.32	30.57	34.72	40.17	46.84	50.57
11	133.50	135.60	140.00	144.80	149.30	153.70	156.20
	27.54	28.97	32.49	36.95	42.84	49.96	54.00
11.5	136.60	139.00	143.50	148.20	152.60	156.90	159.50
	28.83	30.71	34.48	39.23	45.48	53.03	57.42
12	139.80	142.30	147.00	151.50	155.80	160.00	162.70
	30.52	32.53	36.52	41.53	48.07	55.99	60.81
12.5	142.70	145.40	150.10	154.60	158.80	162.90	165.60
	32.30	34.42	38.59	43.84	50.56	58.81	64.12
13	145.20	148.00	152.80	157.10	161.30	165.30	168.10
	34.14	36.35	40.55	46.10	52.91	61.45	67.30
13.5	147.20	150.00	154.70	159.00	163.20	167.30	170.00
	35.98	38.26	42.65	48.26	55.11	63.87	70.30
14	148.70	151.50	155.90	160.40	164.40	168.70	171.30
	37.76	40.11	44.54	50.28	57.09	66.04	73.08
14.5	149.70	152.50	158.80	161.20	165.60	169.80	172.20
	39.45	41.83	46.28	52.10	58.84	67.95	75.59
15	150.50	153.20	157.20	161.80	166.30	170.50	172.80
	40.99	43.38	47.82	53.68	60.32	69.54	77.78
15.5	151.10	153.60	157.50	162.10	166.70	170.90	173.10
	42.32	44.72	49.10	54.96	61.48	70.79	79.59
16	151.60	154.10	157.80	162.40	166.90	171.10	173.30
	43.41	45.78	50.09	55.89	62.29	71.68	80.99
16.5	152.20	154.60	158.20	162.70	167.10	171.20	173.40
	44.20	46.54	50.75	56.44	62.75	72.18	81.93
17	152.70	155.10	158.70	163.10	167.30	171.20	173.50
	44.74	47.04	51.14	56.69	62.91	72.38	82.46
17.5	153.20	155.60	159.10	163.40	167.50	171.10	173.50
	45.08	47.33	51.33	56.71	62.89	72.37	82.62
18	153.60	156.00	159.60	163.70	167.60	171.10	173.60
	45.26	47.47	51.39	56.62	62.78	72.25	82.47

Stature measured in centimeters (cm). Weight measured in kilogram (kg)

CÂN NẶNG THEO CHIỀU DÀI CỦA TRẺ TỪ 45- 110cm (Thước nằm)

TRAI					GÁI			
(-3SD)	(-2SD)	TB	(+2SD)	CAO	(-3SD)	(-2SD)	TB	(+2SD)
1.9	2	2.4	3	45	1.9	2.1	2.5	3
1.9	2.1	2.5	3.1	45.5	2	1.1	2.5	3.1
2	2.2	2.6	3.1	46	2	2.2	2.6	3.2
2.1	2.3	2.7	3.2	46.5	2.1	2.3	2.7	3.3
2.2	2.3	2.8	3.3	47	2.2	2.4	2.8	3.4
2.3	2.4	2.9	3.4	47.5	2.2	2.4	2.9	3.5
2.3	2.5	2.9	3.6	48	2.3	2.5	3	3.6
2.4	2.6	3	3.7	48.5	2.4	2.6	3.1	3.7
2.5	2.6	3.1	3.8	49	2.4	2.6	3.2	3.8
2.6	2.7	3.2	3.9	49.5	2.5	2.7	3.3	3.9
2.6	2.8	3.3	4	50	2.6	2.8	3.4	4
2.7	2.9	3.4	4.1	50.5	2.7	2.9	3.5	4.2
2.7	3	3.5	4.2	51	2.8	3	3.6	4.3
2.8	3.1	3.6	4.4	51.5	2.8	3.1	3.7	4.4
2.9	3.2	3.8	4.5	52	2.9	3.2	3.8	4.6
3	3.3	3.9	4.6	52.5	3	3.3	3.9	4.7
3.1	3.4	4	4.8	53	3.1	3.4	4	4.9
3.2	3.5	4.1	4.9	53.5	3.2	3.5	4.2	5
3.3	3.6	4.3	5.1	54	3.3	3.6	4.3	5.2
3.4	3.7	4.4	5.3	54.5	3.4	3.7	4.4	5.3
3.6	3.8	4.5	5.4	55	3.5	3.8	4.5	5.5
3.7	4	4.7	5.6	55.5	3.6	3.9	4.7	5.7
3.8	4.1	4.8	5.8	56	3.7	4	4.8	5.8
3.9	4.2	5	5.9	56.5	3.8	4.1	5	6
4	4.3	5.1	6.1	57	3.9	4.3	5.1	6.1
4.1	4.5	5.3	6.3	57.5	4	4.4	5.2	6.3
4.3	4.6	5.4	6.4	58	4.1	4.5	5.4	6.5
4.4	4.7	5.6	6.6	58.5	4.2	4.6	5.5	6.6
4.5	4.8	5.7	6.8	59	4.3	4.7	5.6	6.8
4.6	5	5.8	7	59.5	4.4	4.8	5.7	6.9
4.7	5.1	6	701	60	4.5	4.9	5.9	7.1
4.8	5.2	6.1	7.3	60.5	4.6	5	6	7.3
4.9	5.3	6.3	7.4	61	4.7	5.1	6.1	7.4
5	5.4	6.4	7.6	61.5	4.8	5.2	6.3	7.6
5.1	5.6	6.6	7.7	62	4.9	5.3	6.4	7.7
5.2	5.7	6.7	7.9	62.5	5	5.4	6.5	7.8
5.3	5.8	6.8	8	63	5.1	5.5	6.6	8
5.4	5.9	6.9	8.2	63.5	5.2	5.6	6.7	8.1
5.5	6	7	8.3	64	5.3	5.7	6.9	8.3
5.6	6.1	7.1	8.5	64.5	5.4	5.8	7	8.4
5.7	6.2	7.3	8.6	65	5.5	5.9	7.1	8.6
5.8	6.3	7.4	8.7	65.5	5.5	6	7.2	8.7
5.9	6.4	7.5	8.9	66	5.6	6.1	7.3	8.8
6	6.5	7.6	9	66.5	5.7	6.2	7.4	9
6.1	6.6	7.7	9.2	67	5.8	6.3	7.5	9.1
6.2	6.7	7.9	9.3	67.5	5.9	6.4	7.6	9.2
6.3	6.8	8	9.4	68	6	6.5	7.7	9.4
6.4	6.9	8.1	9.6	68.5	6.1	6.6	7.9	9.5
6.5	7	8.2	9.7	69	6.1	6.7	8	9.6
6.6	7.1	8.3	9.8	69.5	6.2	6.8	8.1	9.7
6.6	7.2	8.4	10	70	6.3	6.9	8.2	9.9
6.7	7.3	8.5	10.1	70.5	6.4	6.9	8.3	10
6.8	7.4	8.6	10.2	71	6.5	7	8.4	10.1
6.9	7.5	8.8	10.4	71.5	6.5	7.1	8.5	10.2
7	7.6	8.9	10.5	72	6.6	7.2	8.6	10.3
7.1	7.6	9	10.6	72.5	6.7	7.3	8.7	10.5
7.2	7.7	9.1	10.8	73	6.8	7.4	8.8	10.6
7.2	7.8	9.2	10.9	73.5	6.9	7.4	8.9	10.7
7.3	7.9	9.3	11	74	6.9	7.5	9	10.8
7.4	8	9.4	5.5	74.5	7	7.6	9.1	10.9
7.5	8.1	9.5	11.3	75	7.1	7.7	9.1	11
7.6	8.2	9.6	11.4	75.5	7.1	7.8	9.2	11.1
7.6	8.3	9.7	11.6	76	7.2	7.8	9.3	11.2
7.7	8.3	9.8	11.6	76.5	7.3	7.9	9.4	11.4
7.8	8.4	9.8	11.7	77	7.4	8	9.5	11.5
7.9	8.5	9.9	11.9	77.5	7.4	8.1	9.6	11.6

TRAI					GAI			
(-3SD)	(-2SD)	TB	(+2SD)	CAO	(-3SD)	(-2SD)	TB	(+2SD)
7.9	8.6	10.1	12	78	7.5	8.2	9.7	11.7
8	8.7	10.3	12.1	78.5	7.6	8.2	9.8	11.8
8.1	8.7	10.3	12.2	79	7.7	8.3	9.9	11.9
8.2	8.8	10.4	12.3	79.5	7.7	8.4	10	12
8.2	8.9	10.5	12.4	80	7.8	8.5	10.1	12.1
8.3	9	10.6	12.5	80.5	7.9	8.6	10.2	12.3
8.4	9.1	10.6	12.6	81	8	8.7	10.3	12.4
8.5	9.1	10.7	12.7	81.5	8.1	8.8	10.4	12.5
8.5	9.2	10.8	12.8	82	8.1	8.8	10.5	12.6
8.6	9.3	10.8	13	82.5	8.2	8.9	10.6	12.8
8.7	9.4	11	13.1	83	8.3	9	10.7	12.9
8.8	9.5	11.2	13.2	83.5	8.4	9.1	10.9	13.1
8.9	9.6	11.3	13.3	84	8.5	9.2	11	13.2
9	9.7	11.4	13.5	84.5	8.6	9.3	11.1	13.3
9.1	9.8	11.5	13.6	85	8.7	9.4	11.2	13.5
9.2	9.9	11.6	13.7	85.5	8.8	9.5	11.3	13.6
9.3	10	11.7	13.9	86	8.9	9.7	11.5	13.8
9.4	10.1	11.8	14	86.5	9	9.8	11.6	13.9
9.5	10.2	12	14.2	87	9.1	9.9	11.7	14.1
9.6	10.4	12.1	14.3	87.5	9.2	10	11.8	14.2
9.7	10.5	12.2	14.5	88	9.3	10.1	12	14.4
9.8	10.6	12.3	14.6	88.5	9.4	10.2	12.1	14.5
9.9	10.7	12.5	14.7	89	9.5	10.3	12.2	14.7
10	10.8	12.6	14.9	89.5	9.6	10.4	12.3	14.8
10.1	10.9	12.7	15	90	9.7	10.5	12.5	15
10.2	11	12.8	15.1	9.05	9.8	10.6	12.6	15.1
10.3	11.1	13	15.3	91	9.9	10.7	12.7	15.3
10.4	11.2	13.1	15.4	91.5	10	10.8	12.8	15.5
10.5	11.3	13.2	15.6	92	10.1	10.9	13	15.6
10.6	11.4	13.3	15.7	92.5	10.1	11	13.1	15.8
10.7	11.5	13.4	15.8	93	10.2	11.1	13.2	15.9
10.7	11.6	13.5	16	93.5	10.3	11.2	13.3	16.1
10.8	11.7	13.7	16.1	94	10.4	11.3	13.5	16.2
10.9	11.8	13.8	16.3	94.5	10.5	11.4	13.6	16.4
11	11.9	13.9	16.4	95	10.6	11.5	13.7	16.5
11.1	12	14	16.5	95.5	10.7	11.6	13.8	16.7
11.2	12.1	14.1	16.7	96	10.8	11.7	14	16.8
11.3	12.2	14.3	16.8	96.5	10.9	11.8	14.1	17
11.4	12.3	14.4	17	97	11	12	14.2	17.1
11.5	12.4	14.5	17.1	97.5	11.1	12.1	14.4	17.3
11.6	12.5	14.6	17.3	98	11.2	12.2	14.5	17.5
11.7	12.6	14.8	17.5	98.5	11.3	12.3	14.6	17.6
11.8	12.7	14.9	17.6	99	11.4	12.4	14.8	17.8
11.9	12.8	15	17.8	99.5	11.5	12.5	14.9	18
12	12.9	15.1	18	100	11.6	12.6	15	18.1
12.1	13	15.3	18.1	100.5	11.7	12.7	15.2	18.3
12.2	13.2	15.4	18.3	101	11.8	12.8	15.3	18.5
12.3	13.3	15.6	18.5	101.5	11.9	13	15.5	18.7
12.4	13.4	15.7	18.7	102	12	13.1	15.6	18.9
12.5	13.5	15.9	18.8	102.5	12.1	13.2	15.8	19
12.6	13.6	16	19	103	12.3	13.3	15.9	19.2
12.7	13.7	16.2	19.2	103.5	12.4	13.5	16.1	19.4
12.8	13.9	16.3	19.4	104	12.5	13.6	16.2	19.6
12.9	14	16.5	19.6	104.5	12.6	13.7	16.4	19.8
13	14.1	16.6	19.8	105	12.7	13.8	16.5	20
13.2	14.2	16.8	20	105.5	12.8	14	16.7	20.2
13.3	14.4	16.9	20.2	106	13	14.1	16.9	20.5
13.4	14.5	17.1	20.4	106.5	13.1	14.3	17.1	20.7
13.5	14.6	17.2	20.6	107	13.2	14.4	17.2	20.9
13.6	14.7	17.4	20.8	107.5	13.3	14.5	17.4	21.1
13.7	14.9	17.5	21	108	13.5	14.7	17.6	21.3
13.8	15	17.7	21.2	108.5	13.6	14.8	17.8	21.6
14	15.1	17.8	21.4	109	13.7	15	18	21.8
14.1	15.3	18.1	21.7	109.5	13.9	15.1	18.1	22
14.2	15.4	18.2	21.9	110	14	15.3	20	22.3

Abbott
A Promise for Life

CÂN NẶNG THEO CHIỀU CAO CỦA TRẺ TỪ 65- 120cm (Thước đứng)

TRAI					GÁI			
(-3SD)	(-2SD)	TB	(+2SD)	CAO	(-3SD)	(-2SD)	TB	(+2SD)
5.9	6.3	7.4	8.8	65	5.6	6.1	7.2	8.7
6	6.4	7.6	8.9	65.5	5.7	6.2	7.4	8.9
6.1	6.5	7.7	9.1	66	5.8	6.3	7.5	9
6.1	6.6	7.8	9.2	66.5	5.8	6.4	7.6	9.1
6.2	6.7	7.9	9.4	67	5.9	6.4	7.7	9.3
6.3	6.8	8	9.5	67.5	6	6.5	7.8	9.4
6.4	6.9	8.1	9.6	68	6.1	6.6	7.9	9.5
6.5	7	8.2	9.8	68.5	6.2	6.7	8	9.7
6.6	7.1	8.4	9.9	69	6.6	6.8	8.1	9.8
6.7	7.2	8.5	10	69.5	6.3	6.9	8.2	9.9
6.8	7.3	8.6	10.2	70	6.4	7	8.3	10
6.9	7.4	8.7	10.3	70.5	6.5	7.7	8.4	10.1
6.9	7.5	8.8	10.4	71	6.6	7.1	8.5	10.3
7	7.6	8.9	10.6	71.5	6.7	7.2	8.6	10.4
7.1	7.7	9	10.7	72	6.7	7.3	8.7	10.5
7.2	7.8	9.1	10.8	72.5	6.8	7.4	8.8	10.6
7.3	7.9	9.2	11	73	6.9	7.5	8.9	10.7
7.4	7.9	9.3	11.1	73.5	7	7.6	9	10.8
7.4	8	9.4	11.2	74	7	7.6	9.1	11
7.5	8.1	9.5	11.3	74.5	7.1	7.7	9.2	11.1
7.6	8.2	9.6	11.4	75	7.2	7.8	9.3	11.2
7.7	8.3	9.7	11.6	75.5	7.2	7.9	9.4	11.3
7.7	8.4	9.8	11.7	76	7.3	8	9.5	11.4
7.8	8.5	9.9	11.8	76.5	7.4	8	9.6	11.5
7.9	8.5	10	11.9	77	7.5	8.1	9.6	11.6
8	8.6	10.1	12	77.5	7.5	8.2	9.7	11.7
8	8.7	10.2	12.1	78	7.6	8.3	9.8	11.8
8.1	8.8	10.3	12.2	78.5	7.7	8.4	9.9	12
8.2	8.8	10.4	12.3	79	7.8	8.4	10	12.1
8.3	8.9	10.5	12.4	79.5	7.8	8.5	10.1	12.2
8.3	9	10.6	12.6	80	7.9	8.6	10.2	12.3
8.4	9.1	10.7	12.7	80.5	8	8.7	10.3	12.4
8.5	9.2	10.8	12.8	81	8.1	8.8	10.4	12.6
8.6	9.3	10.9	12.9	81.5	8.2	8.9	10.6	12.7
8.7	9.3	11	13	82	8.3	9	10.7	12.8
8.7	9.4	11.1	13.1	82.5	8.4	9.1	10.8	13
8.8	9.5	11.2	13.3	83	8.5	9.2	10.9	13
8.9	9.6	11.3	13.4	83.5	8.5	9.3	11	13.3
9	9.7	11.4	13.5	84	8.6	9.4	11.1	13.4
9.1	9.9	11.5	13.7	84.5	8.7	9.5	11.3	13.5
9.2	10	11.7	13.8	85	8.8	9.6	11.4	13.7
9.3	10.1	11.8	13.9	85.5	8.9	9.7	11.5	13.8
9.4	10.2	11.9	14.1	86	9	9.8	11.6	14
9.5	10.3	12	14.2	86.5	9.1	9.9	11.8	14.2
9.6	10.4	12.2	14.4	87	9.2	10	11.9	14.3
9.7	10.5	12.3	14.5	87.5	9.3	10.1	12	14.5
9.8	10.6	12.4	14.7	88	9.4	10.2	12.1	14.6
9.9	10.7	12.5	14.8	88.5	9.5	10.3	12.3	14.8
10	10.8	12.6	14.9	89	9.6	10.4	12.4	14.9
10.1	10.9	12.8	15.1	89.5	9.7	10.5	12.5	15.1
10.2	11	12.9	15.2	90	9.8	10.6	12.6	15.2
10.3	11.1	13	15.3	90.5	9.8	10.7	12.8	15.4
10.4	11.2	13.1	15.5	91	10	10.9	12.9	15.5
10.5	11.3	13.2	15.6	91.5	10.1	11	13	15.7
10.6	11.4	13.4	15.8	92	10.2	11.1	13.1	15.8
10.7	11.5	13.5	15.9	92.5	10.3	11.2	13.3	16

TRAI					GÁI			
(-3SD)	(-2SD)	TB	(+2SD)	CAO	(-3SD)	(-2SD)	TB	(+2SD)
10.8	11.6	13.6	16	93	10.4	11.3	13.4	16.1
10.9	11.7	13.7	16.2	93.5	10.5	11.4	13.5	16.3
11	11.8	13.8	16.3	94	10.6	11.5	13.6	16.4
11.1	11.9	13.9	16.5	94.5	10.7	11.6	13.8	16.6
11.2	12	14.1	16.6	95	10.8	11.7	43.9	16.7
11.3	12.1	14.2	16.7	95.5	10.8	11.8	14	16.9
11.4	12.2	14.3	16.9	96	10.9	11.9	14.1	17
11.5	12.3	14.4	17	96.5	11	12	14.3	17.2
11.6	12.4	14.6	17.2	97	11.1	12.1	14.4	17.4
11.7	12.5	14.7	17.4	97.5	11.2	12.2	14.5	17.5
11.8	12.6	14.8	17.5	98	11.3	12.3	14.7	17.7
11.9	12.8	14.9	17.7	98.5	11.4	12.4	14.8	17.9
12	12.9	15.1	17.9	99	11.5	12.5	14.9	18
12.1	13	15.2	18	99.5	11.6	12.7	15.1	18.2
12.2	13.1	15.4	18.2	100	11.7	12.8	15.2	18.4
12.3	13.2	15.5	18.4	100.5	11.9	12.9	15.4	18.6
12.4	13.3	15.6	18.5	101	12	13	15.5	18.7
12.5	13.4	15.8	18.7	101.5	12.1	13.1	15.7	18.9
12.6	13.6	15.9	18.9	102	12.2	13.3	15.8	19.1
12.7	13.7	16.1	19.1	102.5	12.3	13.4	16	19.3
12.8	13.8	16.2	19.3	103	12.4	13.5	16.1	19.5
12.9	13.9	16.4	19.5	103.5	12.5	13.6	16.3	19.7
13	14	16.6	19.7	104	12.6	13.8	16.4	19.9
13.1	14.2	16.7	19.9	104.5	12.8	13.9	16.6	20.1
13.2	14.3	16.8	20.1	105	12.9	14	16.8	20.3
13.3	14.4	17	20.3	105.5	13	14.2	16.9	20.5
13.4	14.5	17.2	20.5	106	13.1	14.3	17.1	20.8
13.5	14.7	17.3	20.7	106.5	13.3	14.5	17.3	21
13.7	14.8	17.5	20.9	107	13.4	14.6	17.5	21.2
13.8	14.9	17.7	21.1	107.6	13.5	14.7	17.7	21.4
13.9	15.1	17.8	21.3	108	13.7	14.9	17.8	21.7
14	15.2	18	21.5	108.8	13.8	15	18	21.9
14.1	15.3	18.2	21.8	109	13.9	15.2	18.2	22.1
14.3	15.5	18.3	22	109.5	14.1	15.4	18.4	22.4
14.4	15.6	18.5	22.2	110	14.2	15.5	18.6	22.6
14.5	15.8	18.7	22.4	110.5	14.4	15.7	18.8	22.9
14.6	15.9	18.9	22.7	111	14.5	15.8	19	23.1
14.8	16	19.1	22.9	111.5	14.7	16	19.2	23.4
14.9	16.2	19.2	23.1	112	14.8	16.2	19.4	23.6
15	16.3	19.4	23.4	112.5	15	16.3	19.6	23.9
15.2	16.5	19.6	23.6	113	15.1	16.5	19.8	24.2
15.3	16.6	19.8	23.9	113.5	15.3	16.7	20	24.4
15.4	16.8	20	24.1	114	15.4	16.8	20.2	24.7
15.6	16.9	20.2	24.4	114.5	15.6	17	20.5	25
15.7	17.1	20.4	24.6	115	15.7	17.2	20.7	25.2
15.8	17.2	20.6	24.9	115.6	15.9	17.3	20.9	25.5
16	17.4	20.8	25.1	116	16	17.5	21.1	25.8
16.1	17.5	21	25.4	116.5	16.2	17.7	21.3	26.1
16.2	17.7	21.2	25.6	117	16.3	17.8	21.5	26.3
16.4	17.9	21.4	25.9	117.6	16.5	18	21.7	26.6
16.5	18	21.6	26.1	118	16.6	18.2	22	26.9
16.7	18.2	21.8	26.4	118.5	16.8	18.4	22.2	27.2
16.8	18.3	22	26.6	119	16.9	18.5	22.4	27.4
16.9	18.5	22.2	26.9	119.5	17.1	18.7	22.6	27.7
17.1	18.6	22.4	27.2	120	17.3	18.9	22.8	28

BMI CỦA TRẺ TỪ 0 - 24 THÁNG (theo chiều dài)

TRAI					GÁI			
5th	50th	85th	95th	THÁNG	5th	50th	85th	95th
11.5	13.4	14.8	15.8	0	11.5	13.3	1407	15.5
12.8	14.9	16.4	17.3	1	12.4	14.6	16.1	17
14.1	16.3	17.8	18.8	2	13.5	15.8	17.4	18.4
14.7	16.9	18.5	19.4	3	14	16.4	18	19
15	17.2	18.7	19.7	4	14.3	16.7	18.3	19.4
15.1	17.3	18.9	19.8	5	14.5	16.8	18.5	19.6
15.2	17.3	18.9	19.9	6	14.6	16.9	18.6	19.6
15.2	17.3	18.9	19.9	7	14.6	16.9	18.6	19.6
15.1	17.3	18.8	19.8	8	14.6	16.8	18.5	19.6
15.1	17.2	18.7	19.7	9	14.5	16.7	18.4	19.4
15	17	18.6	19.5	10	14.4	16.6	18.2	19.3
14.9	16.9	18.4	19.4	11	14.3	16.5	18.1	19.1
14.8	16.8	18.3	19.2	12	14.2	16.4	17.9	19
14.7	16.7	18.1	19.1	13	14.1	16.2	17.8	18.8
14.6	16.6	18	18.9	14	14	16.1	17.7	18.7
14.5	16.4	17.9	18.8	15	13.9	16	17.5	18.6
14.4	16.3	17.8	18.7	16	13.8	15.9	17.4	18.4
14.3	16.2	17.6	18.6	17	13.8	15.8	17.3	18.3
14.2	16.1	17.5	18.5	18	13.7	15.7	17.2	18.2
14.2	16.1	17.4	18.4	19	13.6	15.7	17.2	18.1
14.1	16	17.4	18.3	20	13.6	15.6	17.1	18.1
14.1	15.9	17.3	18.2	21	13.6	15.5	17	18
14	15.8	17.2	18.1	22	13.5	15.5	17	17.9
14	15.8	17.1	18	23	13.5	15.4	16.9	17.9
13.9	15.7	17.1	18	24	13.5	15.4	16.9	17.8

BMI CỦA TRẺ TỪ 24 - 60 THÁNG (theo chiều cao)

TRAI					GÁI			
5th	50th	85th	95th	THÁNG	5th	50th	85th	95th
14.2	16	17.4	18.3	24	13.7	15.7	17.2	18.1
14.1	16	17.4	18.3	25	13.7	15.7	17.1	18.1
14.1	15.9	17.3	18.2	26	13.7	15.6	17.1	18.1
14	15.9	17.3	18.2	27	13.7	15.6	17.1	18
14	15.9	17.2	18.1	28	13.6	15.6	17	18
14	15.8	17.2	18.1	29	13.6	15.6	17	18
13.9	15.8	17.2	18	30	13.6	15.5	17	17.9
13.9	15.8	17.1	18	31	13.6	15.5	17	17.9
13.9	15.7	17.1	18	32	13.5	15.5	16.9	17.9
13.8	15.7	17	17.9	33	13.5	15.5	16.9	17.9
13.8	15.7	17	17.9	34	13.5	15.4	16.9	17.9
13.8	15.6	17	17.9	35	13.5	15.4	16.9	17.8
13.7	15.6	17	17.8	36	13.5	15.4	16.9	17.8
13.7	15.6	16.9	17.8	37	13.4	15.4	16.8	17.8
13.7	15.5	16.9	17.8	38	13.4	15.4	16.8	17.8
13.6	15.5	16.9	17.7	39	13.4	15.3	16.8	17.8
13.6	15.5	16.8	17.7	40	13.4	15.3	16.8	17.8
13.6	15.5	16.8	17.7	41	13.3	15.3	16.8	17.8
13.6	15.4	16.8	17.7	42	13.3	15.3	16.8	17.8
13.5	15.4	16.8	17.7	43	13.3	15.3	16.8	17.8
13.5	15.4	16.8	17.7	44	13.3	15.3	16.8	17.8
13.5	15.4	16.8	17.6	45	13.3	15.3	16.8	17.8
13.5	15.4	16.7	17.6	46	13.2	15.3	16.8	17.8
13.5	15.3	16.7	17.6	47	13.2	15.3	16.8	17.9
13.4	15.3	16.7	17.6	48	13.2	15.3	16.8	17.9
13.4	15.3	16.7	17.6	49	13.2	15.3	16.8	17.9
13.4	15.3	16.7	17.6	50	13.2	15.3	16.8	17.9
13.4	15.3	16.7	17.6	51	13.2	15.3	16.8	17.9
13.4	15.3	16.7	17.6	52	13.1	15.2	16.9	17.9
13.3	15.3	16.7	17.6	53	13.1	15.3	16.9	17.9
13.3	15.3	16.7	17.6	54	13.1	15.3	16.9	18
13.3	15.2	16.7	17.6	55	13.1	15.3	16.9	18
13.3	15.2	16.7	17.6	56	13.1	15.3	16.9	18
13.3	15.2	16.7	17.6	57	13.1	15.3	16.9	18
13.3	15.2	16.7	17.6	58	13.1	15.3	16.9	18
13.3	15.2	16.7	17.7	59	13.1	15.3	16.9	18.1
13.3	15.2	16.7	17.7	60	13.1	15.3	17	18.1

BMI Percentiles for Age, Boy and Girl, 2-20 years

Boy percentiles					Age	Girl percentiles				
5th	50th	75th	85th	95th		5th	50th	75th	85th	95th
14.7	16.6	17.6	18.2	19.3	2	14.4	16.4	17.4	18	19.1
14.5	16.2	17.1	17.7	18.7	2.5	14.2	16	16.9	17.5	18.6
14.3	16	16.8	17.3	18.2	3	14	15.7	16.6	17.2	18.3
14.2	15.8	16.6	17.1	18	3.5	13.8	15.5	16.4	16.9	18.1
14	15.6	16.4	16.9	17.8	4	13.7	15.3	16.2	16.8	18
13.9	15.5	16.3	16.8	17.8	4.5	13.6	15.2	16.1	16.8	18.1
13.8	15.4	16.3	16.8	17.9	5	13.5	15.2	16.1	16.8	18.3
13.8	15.4	16.3	16.9	18.1	5.5	13.5	15.2	16.2	16.9	18.5
13.7	15.4	16.4	17	18.4	6	13.4	15.2	16.3	17.1	18.8
13.7	15.4	16.5	17.2	18.8	6.5	13.4	15.3	16.5	17.3	19.2
13.7	15.5	16.6	17.4	19.2	7	13.4	15.5	16.7	17.6	19.7
13.7	15.6	16.8	17.7	19.6	7.5	13.5	15.6	17	18	20.2
13.8	15.8	17.1	18	20.1	8	13.5	15.8	17.3	18.3	20.7
13.9	16	17.3	18.3	20.6	8.5	13.6	16.1	17.6	18.7	21.2
14	16.2	17.6	18.6	21.1	9	13.7	16.3	18	19.1	21.8
14.1	16.4	17.9	19	21.6	9.5	13.9	16.6	18.3	19.5	22.4
14.2	16.6	18.2	19.4	22.2	10	14	16.9	18.7	20	23
14.4	16.9	18.6	19.8	22.7	10.5	14.2	17.2	19.1	20.4	23.6
14.6	17.2	18.9	20.2	23.2	11	14.4	17.5	19.5	20.9	24.1
14.8	17.5	19.3	20.6	23.7	11.5	14.6	17.8	19.9	21.3	24.7
15	17.8	19.7	21	24.2	12	14.8	18.1	20.2	21.7	25.3
15.2	18.1	20.1	21.4	24.7	12.5	15.1	18.4	20.6	22.2	25.8
15.5	18.5	20.4	21.9	25.2	13	15.3	18.7	21	22.6	26.3
15.7	18.8	20.8	22.3	25.6	13.5	15.6	19	21.3	23	26.8
16	19.2	21.2	22.7	26	14	15.8	19.4	21.7	23.3	27.3
16.3	19.5	21.6	23.1	26.5	14.5	16.1	19.6	22	23.7	27.7
16.6	19.9	22	23.5	26.8	15	16.3	19.9	22.3	24	28.1
16.8	20.2	22.4	23.8	27.2	15.5	16.6	20.2	22.6	24.4	28.5
17.1	20.6	22.7	24.2	27.6	16	16.8	20.5	22.9	24.7	28.9
17.4	20.9	23.1	24.6	27.9	16.5	17	20.7	23.2	24.9	29.3
17.7	21.2	23.4	24.9	28.3	17	17.2	20.9	23.4	25.2	29.6
18	21.6	23.8	25.3	28.6	17.5	17.4	21.1	23.6	25.4	30
18.2	21.9	24.1	25.7	29	18	17.6	21.3	23.8	25.7	30.3
18.5	22.2	24.5	26	29.3	18.5	17.7	21.4	24	25.9	30.7
18.7	22.5	24.8	26.4	29.7	19	17.8	21.6	24.2	26.1	31
18.9	22.8	25.1	26.7	30.2	19.5	17.8	21.7	24.3	26.3	31.4
19.1	23	25.4	27	30.6	20	17.8	21.7	24.4	26.9	31.8

NORMAL BLOOD PRESSURES IN NEONATE AND INFANT

AGE	SYSTOLIC BP (mm Hg)		DIASTOLIC BP (mm Hg)	
	Female	Male	Female	Male
Neonate (1st day)	60 to 70	60 to 74	31 to 45	30 to 44
Neonate (4th day)	67 to 83	68 to 84	37 to 53	35 to 53
Infant (1 month)	73 to 91	74 to 94	36 to 56	37 to 55
Infant (3 months)	78 to 100	81 to 103	44 to 64	45 to 65
Infant (6 months)	82 to 102	87 to 105	46 to 66	48 to 68
Infant (1 year)	68 to 104	67 to 103	22 to 60	20 to 58

Normal blood pressure in 1-17 year old children

Systolic and diastolic blood pressure < 90th percentile (according to age, gender & height)

Systolic blood pressure (SBP) = 90 + 2n (mm Hg)

Diastolic blood pressure (DBP) = 60 + 2n (mm Hg)

* n = age in years

Definition of hypotension by systolic blood pressure and age

Term neonates	0-28 days	SBP < 60	mm Hg
Infants	1-12 months	SBP < 70	mm Hg
Children	1-10 years	SBP < 70 + 2n	mm Hg
Children	> 10 years	SBP < 90	mm Hg

BLOOD PRESSURE LEVELS FOR **BOYS** BY AGE AND HEIGHT PERCENTILE

Age	BP percentil	SYSTOLIC BLOOD PRESSURE (mm Hg) PERCENTILE OF HEIGHT							DIASTOLIC BLOOD PRESSURE (mm Hg) PERCENTILE OF HEIGHT						
		5th	10th	25th	50th	75th	90th	95th	5th	10th	25th	50th	75th	90th	95th
1	50th	80	81	83	85	87	88	89	34	35	36	37	38	39	39
	90th	94	95	97	99	100	102	103	49	50	51	52	53	53	54
	95th	98	99	101	103	104	106	106	54	54	55	56	57	58	58
	99th	105	106	108	110	112	113	114	61	62	63	64	65	66	66
2	50th	84	85	87	88	90	92	92	39	40	41	42	43	44	44
	90th	97	99	100	102	104	105	106	54	55	56	57	58	58	59
	95th	101	102	104	106	108	109	110	59	59	60	61	62	63	63
	99th	109	110	111	113	115	117	117	66	67	68	69	70	71	71
3	50th	86	87	89	91	93	94	95	44	44	45	46	47	48	48
	90th	100	101	103	105	107	108	109	59	59	60	61	62	63	63
	95th	104	105	107	109	110	112	113	63	63	64	65	66	67	67
	99th	111	112	114	116	118	119	120	71	71	72	73	74	75	75
4	50th	88	89	91	93	95	96	97	47	48	49	50	51	51	52
	90th	102	103	105	107	109	110	111	62	63	64	65	66	66	67
	95th	106	107	109	111	112	114	115	66	67	68	69	70	71	71
	99th	113	114	116	118	120	121	122	74	75	76	77	78	78	79
5	50th	90	91	93	95	96	98	98	50	51	52	53	54	55	55
	90th	104	105	106	108	110	11	112	65	66	67	68	69	69	70
	95th	108	109	110	112	114	115	116	69	70	71	72	73	74	74
	99th	115	116	118	120	121	123	123	77	78	79	80	81	81	82
6	50th	91	92	94	96	98	99	100	53	53	54	55	56	57	57
	90th	105	106	108	110	111	113	113	68	68	69	70	71	72	72
	95th	109	110	112	114	115	117	117	72	72	73	74	75	76	76
	99th	116	117	119	121	123	124	125	80	80	81	82	83	84	84
7	50th	92	94	95	97	99	100	101	55	55	56	57	58	59	59
	90th	106	107	109	111	113	114	115	70	70	71	72	73	74	74
	95th	110	111	115	115	117	118	119	74	74	75	76	77	78	78
	99th	117	118	120	122	124	125	126	82	82	83	84	85	86	86
8	50th	94	95	97	99	100	102	102	56	57	58	59	60	60	61
	90th	107	109	110	112	114	115	116	71	72	72	73	74	75	76
	95th	111	112	114	116	118	119	120	75	76	77	78	79	79	80
	99th	119	120	122	123	125	127	127	83	84	85	86	87	87	88
9	50th	95	96	98	100	102	103	104	57	58	59	60	61	61	62
	90th	109	119	112	114	115	117	118	72	73	74	75	76	76	77
	95th	113	114	116	118	119	121	121	76	77	78	79	80	81	81
	99th	120	121	123	125	127	128	129	84	85	86	87	88	88	89
10	50th	97	98	100	102	103	105	106	58	59	60	61	61	62	63
	90th	111	112	114	115	117	119	119	73	73	74	75	76	77	78
	95th	115	116	117	119	121	122	123	77	78	79	80	81	81	82
	99th	122	123	125	127	128	130	130	85	86	86	88	88	89	90
11	50th	99	100	102	104	105	107	107	59	59	60	61	62	63	63
	90th	113	114	115	117	119	120	121	74	74	75	76	77	78	78
	95th	117	118	119	121	123	124	125	78	78	79	80	81	82	82
	99th	124	125	127	129	130	132	132	86	86	87	88	89	90	90
12	50th	101	102	104	106	108	109	110	59	60	61	62	63	63	64
	90th	115	116	118	120	121	123	123	74	75	75	76	77	78	79
	95th	119	120	122	123	125	127	127	78	79	80	81	82	82	83
	99th	126	127	129	131	133	134	135	86	87	88	89	90	90	91
13	50th	104	105	106	108	110	111	112	60	60	61	62	63	64	64
	90th	117	118	120	122	124	125	126	75	75	76	77	78	79	79
	95th	121	122	124	126	128	129	130	79	79	80	81	82	83	83
	99th	128	130	131	133	135	136	137	98	98	88	89	90	91	91
14	50th	106	107	109	111	113	114	115	60	61	62	63	64	65	65
	90th	120	121	123	125	126	128	128	75	76	77	78	79	79	80
	95th	124	125	127	128	130	132	132	80	80	81	82	83	84	84
	99th	131	132	134	136	138	139	140	87	88	89	90	91	92	92
15	50th	109	110	112	113	115	117	117	61	62	63	64	65	66	66
	90th	122	124	125	127	129	130	131	76	77	78	79	80	80	81
	95th	126	127	129	131	133	134	135	81	81	82	83	84	85	85
	99th	134	135	136	138	140	142	142	88	89	90	91	92	93	93
16	50th	111	112	114	116	118	119	120	63	63	64	65	66	67	67
	90th	125	126	128	130	131	133	134	78	78	79	80	80	82	82
	95th	129	130	132	134	135	137	137	82	83	83	84	85	86	87
	99th	136	137	139	141	143	144	145	90	90	91	92	93	94	94
17	50th	114	115	116	118	120	121	122	65	66	66	67	68	69	70
	90th	127	128	130	132	134	135	136	80	80	81	82	83	84	84
	95th	131	132	134	136	138	139	140	84	85	86	87	87	88	89
	99th	139	140	141	143	145	146	147	92	93	93	94	95	96	97

BLOOD PRESSURE LEVELS FOR **GIRLS** BY AGE AND HEIGHT PERCENTILE

Age	BP percentil	SYSTOLIC BLOOD PRESSURE (mm Hg) PERCENTILE OF HEIGHT							DIASTOLIC BLOOD PRESSURE (mm Hg) PERCENTILE OF HEIGHT						
		5th	10th	25th	50th	75th	90th	95th	5th	10th	25th	50th	75th	90th	95th
1	50th	83	84	85	86	88	89	90	38	39	39	40	41	41	42
	90th	97	97	98	100	101	102	103	52	53	53	54	55	55	56
	95th	100	101	102	104	105	106	107	56	57	57	58	59	59	60
	99th	108	108	109	111	112	113	114	64	64	65	65	66	67	67
2	50th	85	85	87	88	89	91	91	43	44	44	45	46	46	47
	90th	98	99	100	101	103	104	105	57	58	58	59	60	61	61
	95th	102	103	104	105	107	108	109	61	62	62	63	64	65	65
	99th	109	110	111	112	114	115	116	69	69	70	70	71	72	72
3	50th	86	87	88	89	91	92	93	47	48	48	49	50	50	51
	90th	100	100	102	103	104	106	106	61	62	62	6	64	64	65
	95th	104	104	105	107	108	109	110	65	66	66	67	68	68	69
	99th	111	111	113	114	115	116	117	73	73	74	74	75	76	76
4	50th	88	88	90	91	92	94	94	50	50	51	52	52	53	54
	90th	101	102	103	104	106	107	108	64	64	65	66	67	67	68
	95th	105	106	107	108	110	111	112	68	68	69	70	71	71	72
	99th	112	113	114	115	117	118	119	76	76	76	77	78	79	79
5	50th	89	90	91	93	94	95	96	52	53	53	54	55	55	56
	90th	103	103	105	106	107	109	109	66	67	67	68	69	69	70
	95th	107	107	108	110	111	112	113	70	71	71	72	73	73	74
	99th	114	114	116	117	118	120	120	78	78	79	79	80	81	81
6	50th	91	92	93	94	96	97	98	54	54	55	56	56	57	58
	90th	104	105	106	108	109	110	111	68	68	69	70	70	71	72
	95th	108	109	110	111	113	114	115	72	72	73	74	74	75	76
	99th	115	116	117	119	120	121	122	80	80	80	81	82	83	83
7	50th	93	93	95	96	97	99	99	55	56	56	57	58	58	59
	90th	106	107	108	109	111	112	113	69	70	70	71	72	72	73
	95th	110	111	112	113	115	116	116	73	74	74	75	76	76	77
	99th	117	118	119	120	122	123	124	81	81	82	82	83	84	84
8	50th	95	95	96	98	99	100	101	57	57	57	58	59	60	60
	90th	108	109	110	111	113	114	114	71	71	71	72	73	74	74
	95th	112	112	114	115	116	118	118	75	75	75	76	77	78	78
	99th	119	120	121	122	123	125	125	82	82	83	83	84	85	85
9	50th	96	97	98	100	101	102	103	58	58	58	59	60	61	61
	90th	110	110	112	113	114	116	116	72	72	72	73	74	75	75
	95th	114	114	125	117	118	119	120	76	76	76	77	78	79	79
	99th	121	121	123	124	125	127	127	83	83	84	84	85	86	87
10	50th	98	99	100	102	103	104	105	59	59	59	60	61	62	62
	90th	112	112	114	115	116	118	118	73	73	73	74	75	76	76
	95th	116	116	117	119	120	121	122	77	77	77	78	79	80	80
	99th	123	123	125	126	127	129	129	84	84	85	86	86	87	88
11	50th	100	101	102	103	105	106	107	60	60	60	61	62	63	63
	90th	114	114	116	117	118	119	120	74	74	74	75	76	77	77
	95th	118	118	119	121	122	123	124	78	78	78	79	80	81	81
	99th	125	125	126	128	129	130	131	85	85	86	87	87	88	89
12	50th	102	103	104	105	107	108	109	61	61	61	62	63	64	64
	90th	116	116	117	119	120	121	122	75	75	75	76	77	78	78
	95th	119	120	121	123	124	125	126	79	79	79	80	81	82	82
	99th	127	127	128	130	131	132	133	86	86	87	88	88	89	90
13	50th	104	105	106	107	109	110	110	62	62	62	63	64	65	65
	90th	117	118	119	121	122	123	124	76	76	76	77	78	79	79
	95th	121	122	123	124	126	127	128	80	80	80	81	82	83	83
	99th	128	129	130	132	133	134	135	87	87	88	89	89	90	91
14	50th	106	106	107	109	110	11	112	63	63	63	64	65	66	66
	90th	119	120	121	122	124	125	125	77	77	77	78	79	80	80
	95th	123	123	125	126	127	129	129	81	81	81	82	83	84	84
	99th	130	131	132	133	135	136	136	88	88	89	90	90	91	92
15	50th	107	108	109	110	111	113	113	64	64	64	65	66	67	67
	90th	120	121	122	123	125	126	127	78	78	78	79	80	81	81
	95th	124	125	126	127	129	130	131	82	82	82	83	84	85	85
	99th	131	132	133	134	136	137	138	89	89	90	91	91	92	93
16	50th	108	108	110	111	112	114	114	64	64	65	66	66	67	68
	90th	121	122	123	124	126	127	128	78	78	79	80	81	81	82
	95th	125	126	127	128	130	131	132	82	82	83	84	85	85	86
	99th	132	133	134	135	137	138	139	90	90	90	91	92	93	93
17	50th	108	109	110	111	113	114	115	64	65	65	66	67	67	68
	90th	122	122	123	125	126	127	128	78	79	79	80	81	81	82
	95th	125	126	127	129	130	131	132	82	83	83	84	85	85	86
	99th	133	133	134	136	137	138	139	90	90	91	91	92	93	93

Chỉ số		0-1 tháng	1-6 tháng	6-12 tháng	1-3 tuổi	3-8 tuổi	8-12 tuổi	12-16 tuổi	Người trẻ
Nhịp tim/ phút		110 - 150	110 - 150	110 - 150	85 - 125	75 - 115	60 - 100	60 - 100	60 - 80
Trục QRS (°)		+110 +30 - +180	+70 +10 - +125	+60 +10 - +110	+60 +10 - +110	+60 +20 - +120	+60 +20 - +120	+60 +20 - +120	+50 -30 - +105
Khoảng P-R (giây) **Số trung bình** **(Số tối đa)**	Nhịp tim < 60 60-80 80-100 100-120 120-140 140-160 160-180 >180	 0,10 (0,12) 0,10 (0,12) 0,10 (0,11) 0.09 (0,11) 0,10 (0,11) 0,09	 0,11 (0,14) 0,10 (0,13) 0,10 (0,12) 0,09 (0,11)	 0,11 (0,14) 0,10 (0,13) 0,10 (0,12) 0,10 (0,11)	 (0,15) 0,12 (0,14) 0,11 (0,14) 0,10 (0,12)	 0,15 (0,17) 0,14 (0,16) 0,13 (0,16) 0,13 (0,15) 0,12 (0,14)	 0,16 (0,18) 0,15 (0,17) 0,15(0,16) 0,14 (0,15) 0,14 (0,15)	 0,16 (0,19) 0,15 (0,18) 0,15 (0,17) 0,15 (0,16)	 0,17 (0,21) 0,16(0,21) 0,15 (0,20) 0,15 (0,19) 0,15 (0,18) (0,17)
Thời gian QRS **(giây)** **Số trung bình** **(Số tối đa)**		0,05 (0,07)	0,05 (0,07)	0,05 (0,07)	0,06 (0,07)	0,07 (0,08)	0,07 (0,09)	0,07 (0,10)	0,08 (0,10)
Biên độ sóng R **(mm)** **Số trung** **bình** **(Số tối đa)**	DI DII DIII aVR aVL aVF V4R V1 V2 V5 V6	4 (8) 6 (14) 8 (16) 3 (7) 2 (7) 7 (14) 6 (12) 15 (25) 21 (30) 12 (30) 6 (21)	7 (13) 13 (24) 9 (20) 3 (6) 4 (8) 10 (20) 5 (10) 11 (20) 21 (30) 17 (30) 10 (30)	8 (16) 13 (27) 9 (20) 3 (6) 5 (10) 10 (16) 4 (8) 10 (20) 19 (28) 18 (30) 13 (20)	8 (16) 13 (23) 9 (20) 2 (6) 5 (10) 8 (20) 4 (8) 9 (18) 16 (25) 19 (36) 13 (24)	7 (15) 13 (22) 9 (20) 2 (5) 3 (10) 10 (19) 3 (8) 7 (18) 13 (28) 21 (36) 14 (24)	7 (15) 14 (24) 9 (24) 2 (4) 3 (10) 10 (20) 3 (7) 6 (16) 10 (22) 22 (36) 14 (24)	6 (13) 14 (24) 9 (24) 2 (4) 3 (12) 11 (21) 3 (7) 5 (16) 9 (19) 18 (33) 14 (22)	6 (13) 9 (25) 6 (22) 1 (4) 3 (9) 5 (23) 3 (14) 6 (21) 12 (33) 10 (21)
Biên độ sóng S **(mm)** **Số trung bình** **(Số tối đa)**	DI V4R V1 V2 V5 V6	5 (10) 4 (9) 10 (20) 20 (35) 9 (30) 4 (12)	4 (9) 4 (12) 7 (18) 16 (30) 9 (26) 2 (7)	4 (9) 5 (12) 8 (16) 17 (30) 8 (20) 2 (6)	3 (8) 5 (12) 13 (27) 21 (34) 6 (16) 2 (6)	2 (8) 5 (14) 14 (30) 23 (38) 5 (14) 1 (5)	2 (8) 6 (20) 16 (26) 23 (38) 5 (17) 1 (4)	2 (8) 6 (20) 15 (24) 23 (48) 5 (16) 1 (5)	1 (6) 10 (23) 14 (36) 1 (13)
Tỉ số R / S	V1 V2 V6	1,5 (0,5 - 19) 1 (0,3 - 3) 2 (0,1 - S=0)	1,5 (0,3 - S=0) 1,2 (0,3 - 4) 4 (1,5 - S=0)	1,2 (0,3 - 6) 1 (0,3 - 4) 6 (2 - S=0)	0,8 (0,5 - 2) 0,8 (0,3 - 1,5) 20 (3 - S=0)	0,65 (0,1 - 2) 0,5 (0,05 - 1,5) 20 (2,5 - S=0)	0,5 (0,15 - 1) 0,5 (0,1 - 1,2) 20 (4 - S=0)	0,3 (0,1 - 1) 0,5 (0,1 - 1,2) 10 (2,5 - S=0)	0,3 (0 - 1) 0,2 (0,1 - 2,5) 9 (2,5 - S=0)

THANG ĐIỂM ĐÁNH GIÁ & CHẨN ĐÓAN SUY TIM TRẺ EM (NYUPHFI)	Điểm
Triệu chứng lâm sàng :	
- Bú lâu / mất khả năng hoạt động như trẻ bình thường	+1
- Chậm lớn, chậm tăng cân	+2
- Tưới máu ngoại biên giảm	+2
- Mạch, nhịp tim nhanh (nhanh xoang) lúc nghỉ	+2
- Thở nhanh hoặc khó thở	
Nhẹ đến trung bình	+1
Trung bình đến nặng	+2
- Thở co kéo	+2
- Phù hoặc tràn dịch màng phổi hoặc báng bụng	+2
- Phù phổi (lâm sàng hoặc X quang)	+1
- Tim to (lâm sàng và X quang)	+1
- Bất thường chức năng thất (tim có gallop / siêu âm tim)	+2
- Gan to	
• < 4 cm dưới bờ sườn	+1
• > 4 cm dưới bờ sườn	+2

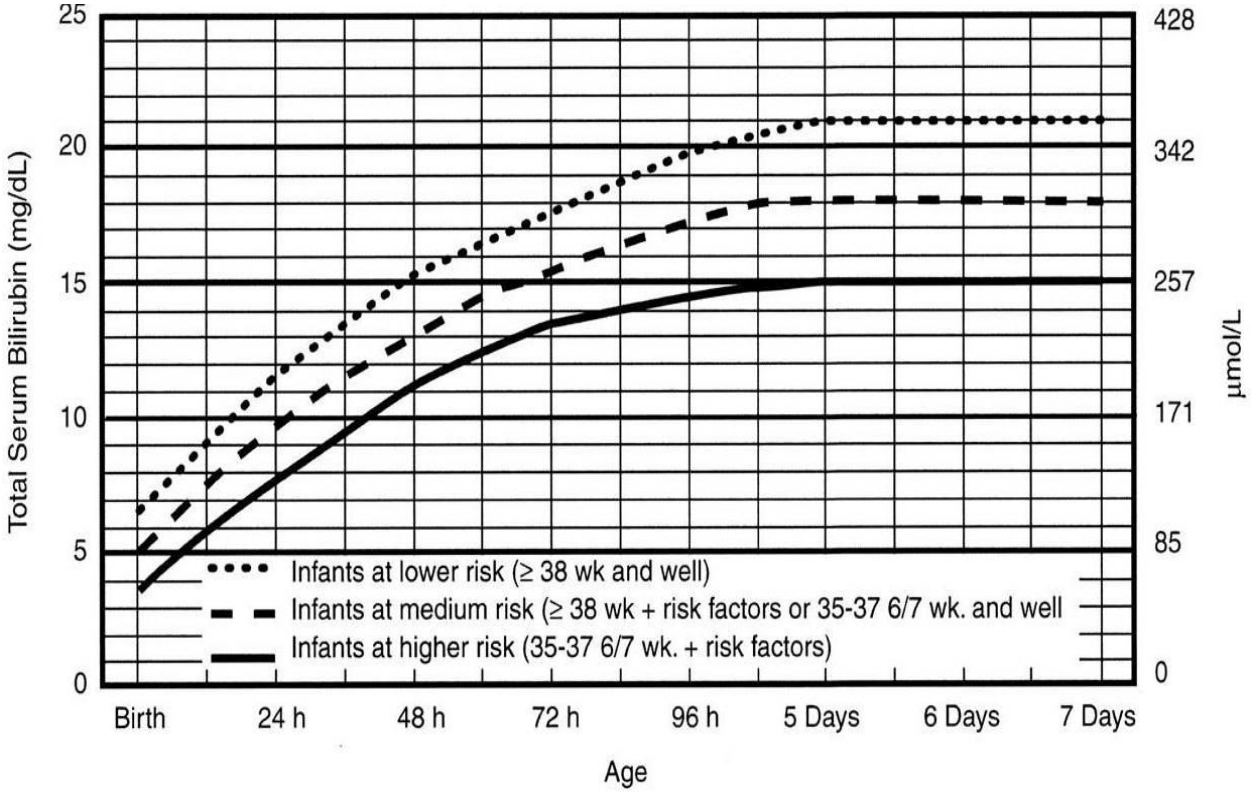
Thuốc phải sử dụng	Điểm
- Digoxin	+1
- Lợi tiểu	
• Liều thấp đến trung bình	+1
• Liều cao hoặc dùng > 1 thuốc	+2
-Ức chế men chuyển hoặc thuốc dãn mạch hoặc ức chế thụ thể angiotensin	+1
- Ức chế receptor bêta	+1
- Thuốc kháng đông (không phải vì có van nhân tạo)	+2
- Thuốc chống loạn nhịp hoặc máy khử rung trong tim (ICD)	+2
Bệnh nền	
-Tâm thất độc nhất	+2
Điểm số tổng cộng gợi ý suy tim (p < 0,001)	11,4 ± 4,1

Hệ thống tính điểm của Ross để phân độ suy tim mạn ở nhũ nhi

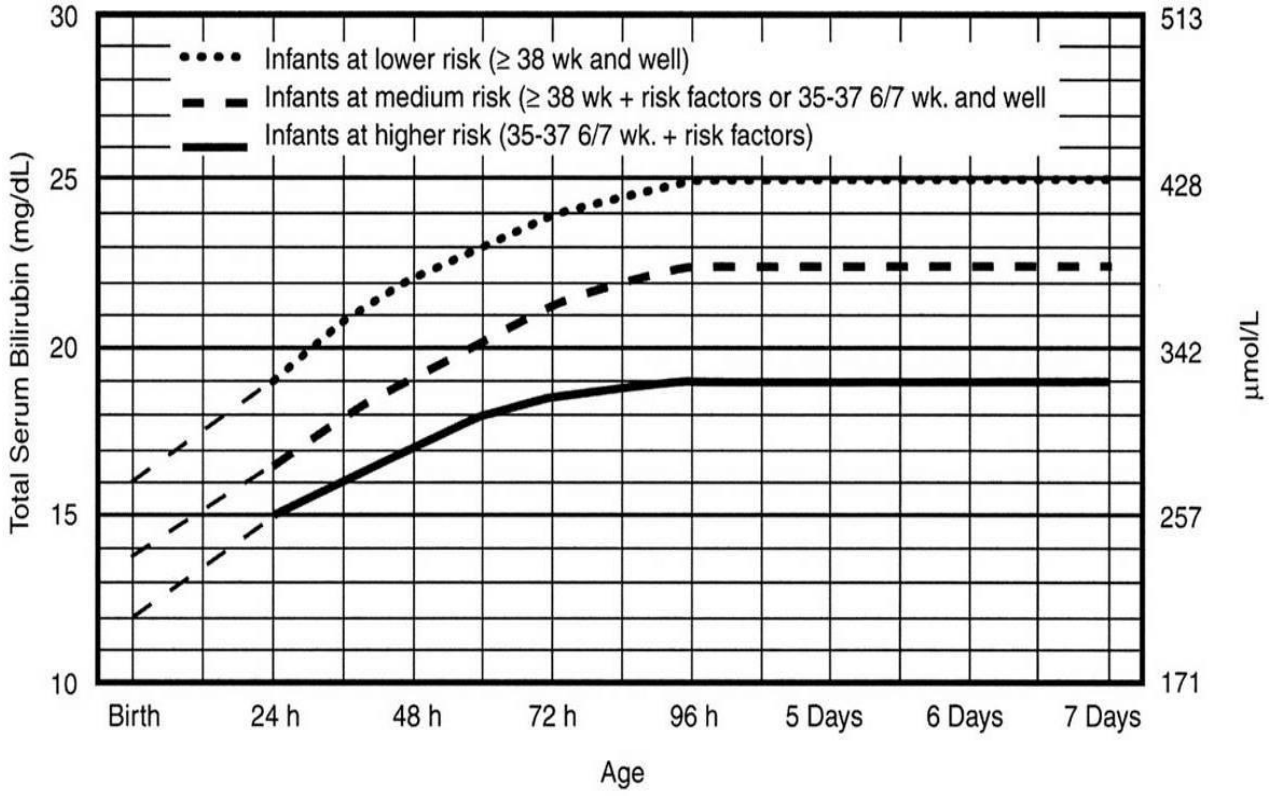
Triệu chứng	Thang điểm		
	0	1	2
@ Đặc điểm về bú :			
Thể tích mỗi cử bú (ml)	> 100	75 - 100	< 75
Thời gian một cử bú (phút)	< 40	> 40	
@ Khám thực thể :			
- Tần số thở (nhịp thở / phút)	< 50	50 - 60	> 60
- Tần số tim (nhịp / phút)	< 160	160 - 170	>170
- Kiểu thở	Bìnhthường	Rên rỉ, co kéo	
- Tưới máu ngoại biên	Bình thường	Giảm	
- T3	Không	Có	
- Gan lớn dưới hạ sườn phải	< 2	2 – 3 cm	> 3
Thang điểm tổng cộng :			
0 – 2 : Không suy tim		3 – 6 : Suy tim nhẹ	
7 – 9 : Suy tim trung bình		10 – 12 : Suy tim nặng	

VÀNG DA SƠ SINH:

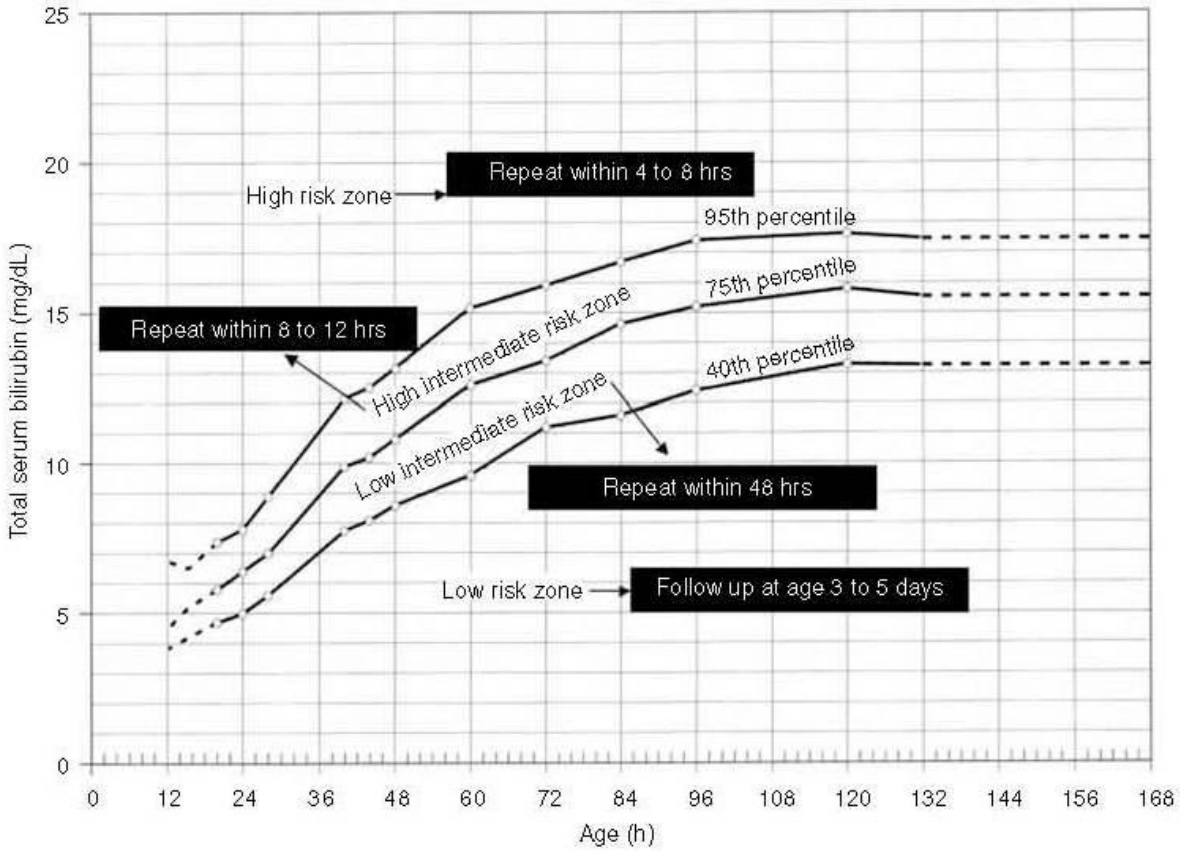
Bảng 1: Chỉ định chiếu đèn: 5.CN



Bảng 2: Chỉ định thay máu: 10.CN



Bảng 3: toán đồ Bhutani.

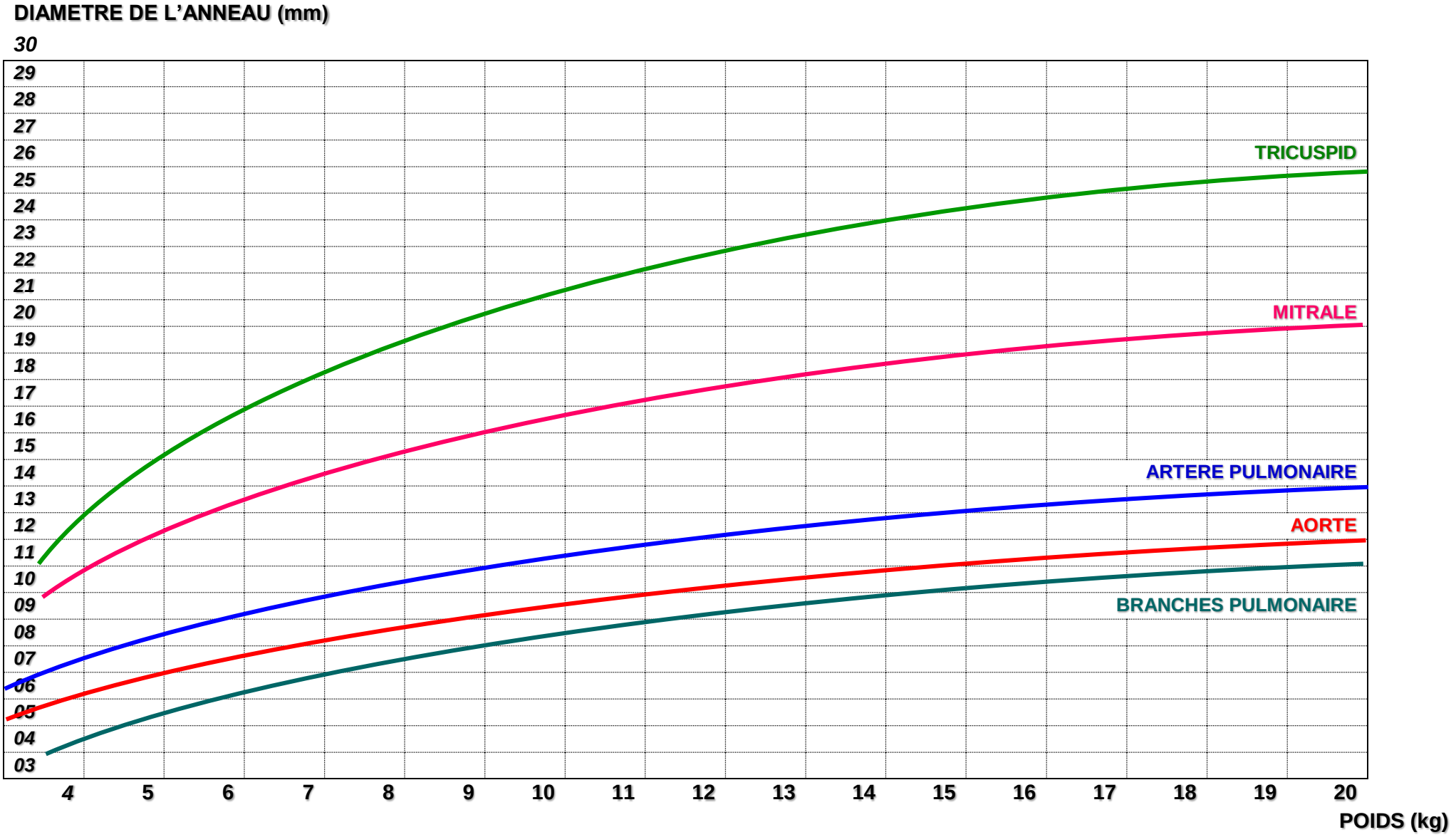


NORMAL VALUES OF **M-MODE ECHOCARDIOGRAM**

IN INFANTS AND CHILDREN (P < 0.05)

HEIGHT (cm)	AO (mm)	LA (mm)	IVS (mm)		LVPW (mm)		LV (mm)	
			Diastole	Systole	Diastole	Systole	Diastole	Systole
45	0.83 0.54 – 1.13	1.15 0.67 – 1.64	2.40 0.83 – 3.98	3.94 1.27 – 6.61	2.20 0.51 – 3.89	4.12 1.72 – 6.52	16.5 11.4 – 21.7	11.6 7.5 – 15.7
50	0.93 0.64 – 1.23	1.24 0.76 – 1.72	2.68 1.11 – 4.24	4.37 1.72 – 7.02	2.48 0.79 – 4.16	4.60 2.22 – 6.98	18.2 13.1 – 23.3	12.6 8.5 – 16.7
55	1.03 0.73 – 1.32	1.32 0.85 – 1.80	2.94 1.38 – 4.49	4.78 2.14 – 7.41	2.74 1.06 – 4.42	5.06 2.70 – 7.43	19.8 14.7 – 24.8	13.6 9.6 – 17.7
60	1.12 0.82 – 1.41	1.40 0.93 – 1.87	3.18 1.64 – 4.73	5.17 2.55 – 7.78	3.00 1.32 – 4.68	5.50 3.15 – 7.85	21.3 16.2 – 26.3	14.6 10.5 – 18.6
65	1.20 0.91 – 1.49	1.47 1.00 – 1.94	3.42 1.89 – 4.96	5.54 2.93 – 8.14	3.24 1.57 – 4.92	5.92 3.58 – 8.26	22.7 17.7 – 27.7	15.5 11.5 – 19.5
70	1.28 1.00 – 1.57	1.54 1.08 – 2.01	3.65 2.12 – 5.18	5.90 3.30 – 8.49	3.48 1.81 – 5.15	6.33 4.00 – 8.66	24.1 19.1 – 29.1	16.4 12.4 – 20.4
75	1.36 1.08 – 1.65	1.61 1.15 – 2.08	3.87 2.34 – 5.40	6.24 3.65 – 8.83	3.70 2.03 – 5.38	6.72 4.39 – 9.05	25.4 20.4 – 30.4	17.2 13.2 – 21.2
80	1.44 1.15 – 1.73	1.68 1.21 – 2.15	4.09 2.56 – 5.61	6.58 3.99 – 9.17	3.92 2.25 – 5.60	7.10 4.77 – 9.42	26.7 21.7 – 31.7	18.1 14.0 – 22.1
85	1.51 1.23 – 1.80	1.74 1.28 – 2.21	4.29 2.77 – 5.82	6.90 4.31 – 9.50	4.14 2.46 – 5.81	7.46 5.14 – 9.79	27.9 23.0 – 32.9	18.9 14.8 – 22.9
90	1.59 1.30 – 1.87	1.81 1.34 – 2.28	4.50 2.96 – 6.03	7.22 4.62 – 9.82	4.34 2.67 – 6.02	7.82 5.49 – 10.16	29.2 24.2 – 34.2	19.6 15.6 – 23.6
95	1.66 1.37 – 1.95	1.87 1.40 – 2.34	4.69 3.15 – 6.23	7.52 4.92 – 10.13	4.54 2.87 – 6.22	8.17 5.83 – 10.51	30.3 25.3 – 35.4	20.4 16.3 – 24.4
100	1.73 1.44 – 2.02	1.93 1.46 – 2.40	4.88 3.34 – 6.43	7.82 5.21 – 10.44	4.74 3.06 – 6.42	8.51 6.15 – 10.86	31.5 26.5 – 36.5	21.1 17.1 – 25.2
105	1.79 1.50 – 2.08	1.99 1.51 – 2.46	5.07 3.52 – 6.62	8.11 5.49 – 10.74	4.93 3.25 – 6.61	8.83 6.47 – 11.20	32.6 27.6 – 37.7	21.8 17.7 – 25.9
110	1.86 1.57 – 2.15	2.04 1.57 – 2.52	5.25 3.69 – 6.81	8.40 5.76 – 11.04	5.12 3.43 – 6.80	9.16 6.78 – 11.53	33.7 28.6 – 38.8	22.5 18.4 – 26.6
115	1.92 1.63 – 2.22	2.10 1.62 – 2.58	5.43 3.86 – 6.99	8.67 6.02 – 11.33	5.30 3.61 – 6.98	9.47 7.09 – 11.85	34.8 29.7 – 39.9	23.2 19.1 – 27.3
120	1.98 1.69 – 2.28	2.15 1.67 – 2.63	5.60 4.03 – 7.17	8.95 6.28 – 11.61	5.48 3.79 – 7.16	9.78 7.38 – 12.17	35.8 30.7 – 41.0	23.9 19.7 – 28.0
125	2.05 1.75 – 2.34	2.21 1.72 – 2.69	5.77 4.19 – 7.35	9.21 6.53 – 11.89	5.65 3.96 – 7.34	10.08 7.67 – 12.49	36.8 31.7 – 42.0	24.5 20.4 – 28.7
130	2.11 1.81 – 2.40	2.26 1.77 – 2.74	5.94 4.35 – 7.53	9.47 6.78 – 12.17	5.82 4.13 – 7.52	10.37 7.95 – 12.79	37.9 32.7 – 43.0	25.1 21.0 – 29.3
135	2.17 1.87 – 2.46	2.31 1.82 – 2.80	6.10 4.51 – 7.70	9.73 7.02 – 12.44	5.99 4.29 – 7.69	10.66 8.23 – 13.10	38.8 33.6 – 44.1	25.8 21.6 – 30.0
140	2.22 1.92 – 2.52	2.36 1.87 – 2.85	6.26 4.66 – 7.87	9.98 7.26 – 12.70	6.15 4.45 – 7.86	10.95 8.50 – 13.39	39.8 34.6 – 45.0	26.4 22.2 – 30.6
145	2.28 1.98 – 2.58	2.41 1.92 – 2.90	6.42 4.81 – 8.04	10.23 7.49 – 12.96	6.31 4.61 – 8.02	11.23 8.77 – 13.69	40.8 35.5 – 46.0	27.0 22.8 – 31.2
150	2.34 2.03 – 2.64	2.46 1.96 – 2.95	6.58 4.95 – 8.20	10.47 7.72 – 13.22	6.47 4.76 – 8.19	11.50 9.03 – 13.97	41.7 3.64 – 47.0	27.6 23.3 – 31.9
155	2.39 2.09 – 2.70	2.50 2.01 – 3.00	6.73 5.10 – 8.36	10.71 7.94 – 13.47	6.63 4.91 – 8.35	11.77 9.28 – 14.26	42.6 37.3 – 47.9	28.2 23.9 – 32.5
160	2.44 2.14 – 2.75	2.55 2.05 – 3.05	6.88 5.24 – 8.52	10.94 8.16 – 13.72	6.78 5.06 – 8.51	12.04 9.54 – 14.53	43.5 38.2 – 48.9	28.8 24.4 – 33.1
165	2.50 2.19 – 2.81	2.60 2.09 – 3.10	7.03 5.38 – 8.67	11.17 8.38 – 13.97	6.94 5.21 – 8.66	12.30 9.79 – 14.81	44.4 39.0 – 49.8	29.3 25.0 – 33.6
170	2.55 2.24 – 2.86	2.64 2.14 – 3.15	7.17 5.52 – 8.83	11.40 8.59 – 14.21	7.08 5.35 – 8.82	12.55 10.03 – 15.08	45.3 39.9 – 50.7	29.9 25.5 – 34.2
175	2.60 2.29 – 2.91	2.69 2.18 – 3.19	7.32 5.65 – 8.98	11.63 8.80 – 14.45	7.23 5.49 – 8.97	12.81 10.27 – 15.35	46.2 40.7 – 51.6	30.4 26.0 – 34.8
180	2.65 2.34 – 2.96	2.73 2.22 – 3.24	7.46 5.79 – 9.13	11.85 9.01 – 14.68	7.38 5.63 – 9.12	13.06 10.51 – 15.61	47.0 41.5 – 52.5	31.0 26.6 – 35.4

	0 – 1 week	1 week – 6 months	6 months – 5 years	5-15 years
RV (diastole) (mm)	12.1 (8.0 – 15.5)	9.9 (6.8 – 13.0)	10.4 (6.0 – 15.0)	13.4 (8.5 – 20.0)
EF (%)	30 (16 – 42)	30 (17 – 42)	34 (26 – 41)	33 (25 – 42)


DIAMETRE DE L'ANNEAU (mm)
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
09
08
07
06
05
04
03
TRICUSPID
MITRALE
ARTERE PULMONAIRE
AORTE
BRANCHES PULMONAIRE
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
POIDS (kg)

VALEURS NORMALES POUR LES ENFANTS EN FONCTION DE LA SURFACE CORPORELLE

	Surface corporelle (m^2)	Moyenne (mm)	Valeurs extremes mm)
V.D.	< 0.5	08	03 – 13
	0.6 – 10	10	04 – 18
	1.1 – 1.5	12	07 – 17
	> 1.5	13	08 – 18
DTD – V.G.	< 0.5	24	13 – 32
	0.6 – 10	34	24 – 42
	1.1 – 1.5	40	33 – 47
	> 1.5	47	42 – 52
SIV – PPVG (diastole)	< 0.5	05	04 – 06
	0.6 – 10	06	05 – 07
	1.1 – 1.5	07	06 – 08
	> 1.5	08	07 – 09
O.G.	< 0.5	17	07 – 24
	0.6 – 10	21	18 – 28
	1.1 – 1.5	24	20 – 30
	> 1.5	28	21 – 37
AO	< 0.5	12	07 – 15
	0.6 – 10	18	14 – 22
	1.1 – 1.5	22	17 – 27
	> 1.5	24	20 – 28
S.S.A	< 0.5	08	05 – 10
	0.6 – 10	13	09 – 16
	1.1 – 1.5	16	13 – 19
	> 1.5	18	15 – 20

ACCEPTABLE PULMONARY VALVE RING DIAMETER (Employed by Kirklin in 1975-1976)

Weight (kg)	Minimum Ring Size Diameter (mm)	Area (mm^2)	Half Sizes (mm)
	4	13	
	5	20	
3	6	28	4
4	7	39	5
5	7.5	45	5.5
6	08	50	6
7	09	64	6.5
8	9.5	72	6.5
9	10	79	7
10	11	85	7.5
12	12	113	8.5
14	13	133	9
16	13.5	144	9.5
18	14	154	10
20	15	177	11
25	17	227	12
30	18.5	270	13
35	20	314	14
40	20	314	14

MEAN NORMAL VALVE DIAMETERS

BSA (mm^2)	Mitral (mm)	Tricuspid (mm)	Aortic (mm)	Pulmonic (mm)
0.25	11.2	13.4	7.2	8.4
0.30	12.6	14.9	8.1	9.3
0.35	13.6	16.2	8.9	10.1
0.40	14.4	17.3	9.5	10.7
0.45	15.2	18.2	10.1	11.3
0.50	15.8	19.2	10.7	11.9
0.60	16.9	20.7	11.5	12.8
0.70	17.9	21.9	12.5	13.5
0.80	18.8	23.0	13.0	14.2
0.90	19.7	24.0	13.4	14.8
1.0	20.2	24.9	14.0	15.3
1.2	21.4	26.2	14.8	16.2
1.4	22.3	27.7	15.5	17.0
1.6	23.1	28.9	16.1	17.6
1.8	23.8	29.1	16.5	18.2
2.0	24.2	30.0	17.2	18.0