Table 3b. Blood Pressure Values by Age and Height Percentile for Girls

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age**  **(y)** | **Blood Pressure**  **Percentile** | **Systolic Blood Pressure (mmHg)** | | | | | | | **Diastolic Blood Pressure (mmHg)** | | | | | | |
| **Height Percentile or Measured Height** | | | | | | | **Height Percentile or Measured Height** | | | | | | |
| **5%** | **10%** | **25%** | **50%** | **75%** | **90%** | **95%** | **5%** | **10%** | **25%** | **50%** | **75%** | **90%** | **95%** |
|  | Height (in) | 29.7 | 30.2 | 30.9 | 31.8 | 32.7 | 33.4 | 33.9 | 29.7 | 30.2 | 30.9 | 31.8 | 32.7 | 33.4 | 33.9 |
|  | Height (cm) | 75.4 | 76.6 | 78.6 | 80.8 | 83 | 84.9 | 86.1 | 75.4 | 76.6 | 78.6 | 80.8 | 83 | 84.9 | 86.1 |
| 1 | 50th | 84 | 85 | 86 | 86 | 87 | 88 | 88 | 41 | 42 | 42 | 43 | 44 | 45 | 46 |
|  | 90th | 98 | 99 | 99 | 100 | 101 | 102 | 102 | 54 | 55 | 56 | 56 | 57 | 58 | 58 |
|  | 95th | 101 | 102 | 102 | 103 | 104 | 105 | 105 | 59 | 59 | 60 | 60 | 61 | 62 | 62 |
|  | 95th + 12 mmHg | 113 | 114 | 114 | 115 | 116 | 117 | 117 | 71 | 71 | 72 | 72 | 73 | 74 | 74 |
|  | Height (in) | 33.4 | 34 | 34.9 | 35.9 | 36.9 | 37.8 | 38.4 | 33.4 | 34 | 34.9 | 35.9 | 36.9 | 37.8 | 38.4 |
|  | Height (cm) | 84.9 | 86.3 | 88.6 | 91.1 | 93.7 | 96 | 97.4 | 84.9 | 86.3 | 88.6 | 91.1 | 93.7 | 96 | 97.4 |
| 2 | 50th | 87 | 87 | 88 | 89 | 90 | 91 | 91 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
|  | 90th | 101 | 101 | 102 | 103 | 104 | 105 | 106 | 58 | 58 | 59 | 60 | 61 | 62 | 62 |
|  | 95th | 104 | 105 | 106 | 106 | 107 | 108 | 109 | 62 | 63 | 63 | 64 | 65 | 66 | 66 |
|  | 95th + 12 mmHg | 116 | 117 | 118 | 118 | 119 | 120 | 121 | 74 | 75 | 75 | 76 | 77 | 78 | 78 |
|  | Height (in) | 35.8 | 36.4 | 37.3 | 38.4 | 39.6 | 40.6 | 41.2 | 35.8 | 36.4 | 37.3 | 38.4 | 39.6 | 40.6 | 41.2 |
|  | Height (cm) | 91 | 92.4 | 94.9 | 97.6 | 100.5 | 103.1 | 104.6 | 91 | 92.4 | 94.9 | 97.6 | 100.5 | 103.1 | 104.6 |
| 3 | 50th | 88 | 89 | 89 | 90 | 91 | 92 | 93 | 48 | 48 | 49 | 50 | 51 | 53 | 53 |
|  | 90th | 102 | 103 | 104 | 104 | 105 | 106 | 107 | 60 | 61 | 61 | 62 | 63 | 64 | 65 |
|  | 95th | 106 | 106 | 107 | 108 | 109 | 110 | 110 | 64 | 65 | 65 | 66 | 67 | 68 | 69 |
|  | 95th + 12 mmHg | 118 | 118 | 119 | 120 | 121 | 122 | 122 | 76 | 77 | 77 | 78 | 79 | 80 | 81 |
|  | Height (in) | 38.3 | 38.9 | 39.9 | 41.1 | 42.4 | 43.5 | 44.2 | 38.3 | 38.9 | 39.9 | 41.1 | 42.4 | 43.5 | 44.2 |
|  | Height (cm) | 97.2 | 98.8 | 101.4 | 104.5 | 107.6 | 110.5 | 112.2 | 97.2 | 98.8 | 101.4 | 104.5 | 107.6 | 110.5 | 112.2 |
| 4 | 50th | 89 | 90 | 91 | 92 | 93 | 94 | 94 | 50 | 51 | 51 | 53 | 54 | 55 | 55 |
|  | 90th | 103 | 104 | 105 | 106 | 107 | 108 | 108 | 62 | 63 | 64 | 65 | 66 | 67 | 67 |
|  | 95th | 107 | 108 | 109 | 109 | 110 | 111 | 112 | 66 | 67 | 68 | 69 | 70 | 70 | 71 |
|  | 95th + 12 mmHg | 119 | 120 | 121 | 121 | 122 | 123 | 124 | 78 | 79 | 80 | 81 | 82 | 82 | 83 |
|  | Height (in) | 40.8 | 41.5 | 42.6 | 43.9 | 45.2 | 46.5 | 47.3 | 40.8 | 41.5 | 42.6 | 43.9 | 45.2 | 46.5 | 47.3 |
|  | Height (cm) | 103.6 | 105.3 | 108.2 | 111.5 | 114.9 | 118.1 | 120 | 103.6 | 105.3 | 108.2 | 111.5 | 114.9 | 118.1 | 120 |
| 5 | 50th | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 52 | 52 | 53 | 55 | 56 | 57 | 57 |
|  | 90th | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|  | 95th | 108 | 109 | 109 | 110 | 111 | 112 | 113 | 68 | 69 | 70 | 71 | 72 | 73 | 73 |
|  | 95th + 12 mmHg | 120 | 121 | 121 | 122 | 123 | 124 | 125 | 80 | 81 | 82 | 83 | 84 | 85 | 85 |
|  | Height (in) | 43.3 | 44 | 45.2 | 46.6 | 48.1 | 49.4 | 50.3 | 43.3 | 44 | 45.2 | 46.6 | 48.1 | 49.4 | 50.3 |
|  | Height (cm) | 110 | 111.8 | 114.9 | 118.4 | 122.1 | 125.6 | 127.7 | 110 | 111.8 | 114.9 | 118.4 | 122.1 | 125.6 | 127.7 |
| 6 | 50th | 92 | 92 | 93 | 94 | 96 | 97 | 97 | 54 | 54 | 55 | 56 | 57 | 58 | 59 |
|  | 90th | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 67 | 67 | 68 | 69 | 70 | 71 | 71 |
|  | 95th | 109 | 109 | 110 | 111 | 112 | 113 | 114 | 70 | 71 | 72 | 72 | 73 | 74 | 74 |
|  | 95th + 12 mmHg | 121 | 121 | 122 | 123 | 124 | 125 | 126 | 82 | 83 | 84 | 84 | 85 | 86 | 86 |
|  | Height (in) | 45.6 | 46.4 | 47.7 | 49.2 | 50.7 | 52.1 | 53 | 45.6 | 46.4 | 47.7 | 49.2 | 50.7 | 52.1 | 53 |
|  | Height (cm) | 115.9 | 117.8 | 121.1 | 124.9 | 128.8 | 132.5 | 134.7 | 115.9 | 117.8 | 121.1 | 124.9 | 128.8 | 132.5 | 134.7 |
| 7 | 50th | 92 | 93 | 94 | 95 | 97 | 98 | 99 | 55 | 55 | 56 | 57 | 58 | 59 | 60 |
|  | 90th | 106 | 106 | 107 | 109 | 110 | 111 | 112 | 68 | 68 | 69 | 70 | 71 | 72 | 72 |
|  | 95th | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 72 | 72 | 73 | 73 | 74 | 74 | 75 |
|  | 95th + 12 mmHg | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 84 | 84 | 85 | 85 | 86 | 86 | 87 |
|  | Height (in) | 47.6 | 48.4 | 49.8 | 51.4 | 53 | 54.5 | 55.5 | 47.6 | 48.4 | 49.8 | 51.4 | 53 | 54.5 | 55.5 |
|  | Height (cm) | 121 | 123 | 126.5 | 130.6 | 134.7 | 138.5 | 140.9 | 121 | 123 | 126.5 | 130.6 | 134.7 | 138.5 | 140.9 |
| 8 | 50th | 93 | 94 | 95 | 97 | 98 | 99 | 100 | 56 | 56 | 57 | 59 | 60 | 61 | 61 |
|  | 90th | 107 | 107 | 108 | 110 | 111 | 112 | 113 | 69 | 70 | 71 | 72 | 72 | 73 | 73 |
|  | 95th | 110 | 111 | 112 | 113 | 115 | 116 | 117 | 72 | 73 | 74 | 74 | 75 | 75 | 75 |
|  | 95th + 12 mmHg | 122 | 123 | 124 | 125 | 127 | 128 | 129 | 84 | 85 | 86 | 86 | 87 | 87 | 87 |
|  | Height (in) | 49.3 | 50.2 | 51.7 | 53.4 | 55.1 | 56.7 | 57.7 | 49.3 | 50.2 | 51.7 | 53.4 | 55.1 | 56.7 | 57.7 |
|  | Height (cm) | 125.3 | 127.6 | 131.3 | 135.6 | 140.1 | 144.1 | 146.6 | 125.3 | 127.6 | 131.3 | 135.6 | 140.1 | 144.1 | 146.6 |
| 9 | 50th | 95 | 95 | 97 | 98 | 99 | 100 | 101 | 57 | 58 | 59 | 60 | 60 | 61 | 61 |
|  | 90th | 108 | 108 | 109 | 111 | 112 | 113 | 114 | 71 | 71 | 72 | 73 | 73 | 73 | 73 |
|  | 95th | 112 | 112 | 113 | 114 | 116 | 117 | 118 | 74 | 74 | 75 | 75 | 75 | 75 | 75 |
|  | 95th + 12 mmHg | 124 | 124 | 125 | 126 | 128 | 129 | 130 | 86 | 86 | 87 | 87 | 87 | 87 | 87 |
| **Age**  **(y)** | **Blood Pressure**  **Percentile** | **Systolic Blood Pressure (mmHg)** | | | | | | | **Diastolic Blood Pressure (mmHg)** | | | | | | |
| **Height Percentile or Measured Height** | | | | | | | **Height Percentile or Measured Height** | | | | | | |
| **5%** | **10%** | **25%** | **50%** | **75%** | **90%** | **95%** | **5%** | **10%** | **25%** | **50%** | **75%** | **90%** | **95%** |
|  | Height (in) | 51.1 | 52 | 53.7 | 55.5 | 57.4 | 59.1 | 60.2 | 51.1 | 52 | 53.7 | 55.5 | 57.4 | 59.1 | 60.2 |
|  | Height (cm) | 129.7 | 132.2 | 136.3 | 141 | 145.8 | 150.2 | 152.8 | 129.7 | 132.2 | 136.3 | 141 | 145.8 | 150.2 | 152.8 |
| 10 | 50th | 96 | 97 | 98 | 99 | 101 | 102 | 103 | 58 | 59 | 59 | 60 | 61 | 61 | 62 |
|  | 90th | 109 | 110 | 111 | 112 | 113 | 115 | 116 | 72 | 73 | 73 | 73 | 73 | 73 | 73 |
|  | 95th | 113 | 114 | 114 | 116 | 117 | 119 | 120 | 75 | 75 | 76 | 76 | 76 | 76 | 76 |
|  | 95th + 12 mmHg | 125 | 126 | 126 | 128 | 129 | 131 | 132 | 87 | 87 | 88 | 88 | 88 | 88 | 88 |
|  | Height (in) | 53.4 | 54.5 | 56.2 | 58.2 | 60.2 | 61.9 | 63 | 53.4 | 54.5 | 56.2 | 58.2 | 60.2 | 61.9 | 63 |
|  | Height (cm) | 135.6 | 138.3 | 142.8 | 147.8 | 152.8 | 157.3 | 160 | 135.6 | 138.3 | 142.8 | 147.8 | 152.8 | 157.3 | 160 |
| 11 | 50th | 98 | 99 | 101 | 102 | 104 | 105 | 106 | 60 | 60 | 60 | 61 | 62 | 63 | 64 |
|  | 90th | 111 | 112 | 113 | 114 | 116 | 118 | 120 | 74 | 74 | 74 | 74 | 74 | 75 | 75 |
|  | 95th | 115 | 116 | 117 | 118 | 120 | 123 | 124 | 76 | 77 | 77 | 77 | 77 | 77 | 77 |
|  | 95th + 12 mmHg | 127 | 128 | 129 | 130 | 132 | 135 | 136 | 88 | 89 | 89 | 89 | 89 | 89 | 89 |
|  | Height (in) | 56.2 | 57.3 | 59 | 60.9 | 62.8 | 64.5 | 65.5 | 56.2 | 57.3 | 59 | 60.9 | 62.8 | 64.5 | 65.5 |
|  | Height (cm) | 142.8 | 145.5 | 149.9 | 154.8 | 159.6 | 163.8 | 166.4 | 142.8 | 145.5 | 149.9 | 154.8 | 159.6 | 163.8 | 166.4 |
| 12 | 50th | 102 | 102 | 104 | 105 | 107 | 108 | 108 | 61 | 61 | 61 | 62 | 64 | 65 | 65 |
|  | 90th | 114 | 115 | 116 | 118 | 120 | 122 | 122 | 75 | 75 | 75 | 75 | 76 | 76 | 76 |
|  | 95th | 118 | 119 | 120 | 122 | 124 | 125 | 126 | 78 | 78 | 78 | 78 | 79 | 79 | 79 |
|  | 95th + 12 mmHg | 130 | 131 | 132 | 134 | 136 | 137 | 138 | 90 | 90 | 90 | 90 | 91 | 91 | 91 |
|  | Height (in) | 58.3 | 59.3 | 60.9 | 62.7 | 64.5 | 66.1 | 67 | 58.3 | 59.3 | 60.9 | 62.7 | 64.5 | 66.1 | 67 |
|  | Height (cm) | 148.1 | 150.6 | 154.7 | 159.2 | 163.7 | 167.8 | 170.2 | 148.1 | 150.6 | 154.7 | 159.2 | 163.7 | 167.8 | 170.2 |
| 13 | 50th | 104 | 105 | 106 | 107 | 108 | 108 | 109 | 62 | 62 | 63 | 64 | 65 | 65 | 66 |
|  | 90th | 116 | 117 | 119 | 121 | 122 | 123 | 123 | 75 | 75 | 75 | 76 | 76 | 76 | 76 |
|  | 95th | 121 | 122 | 123 | 124 | 126 | 126 | 127 | 79 | 79 | 79 | 79 | 80 | 80 | 81 |
|  | 95th + 12 mmHg | 133 | 134 | 135 | 136 | 138 | 138 | 139 | 91 | 91 | 91 | 91 | 92 | 92 | 93 |
|  | Height (in) | 59.3 | 60.2 | 61.8 | 63.5 | 65.2 | 66.8 | 67.7 | 59.3 | 60.2 | 61.8 | 63.5 | 65.2 | 66.8 | 67.7 |
|  | Height (cm) | 150.6 | 153 | 156.9 | 161.3 | 165.7 | 169.7 | 172.1 | 150.6 | 153 | 156.9 | 161.3 | 165.7 | 169.7 | 172.1 |
| 14 | 50th | 105 | 106 | 107 | 108 | 109 | 109 | 109 | 63 | 63 | 64 | 65 | 66 | 66 | 66 |
|  | 90th | 118 | 118 | 120 | 122 | 123 | 123 | 123 | 76 | 76 | 76 | 76 | 77 | 77 | 77 |
|  | 95th | 123 | 123 | 124 | 125 | 126 | 127 | 127 | 80 | 80 | 80 | 80 | 81 | 81 | 82 |
|  | 95th + 12 mmHg | 135 | 135 | 136 | 137 | 138 | 139 | 139 | 92 | 92 | 92 | 92 | 93 | 93 | 94 |
|  | Height (in) | 59.7 | 60.6 | 62.2 | 63.9 | 65.6 | 67.2 | 68.1 | 59.7 | 60.6 | 62.2 | 63.9 | 65.6 | 67.2 | 68.1 |
|  | Height (cm) | 151.7 | 154 | 157.9 | 162.3 | 166.7 | 170.6 | 173 | 151.7 | 154 | 157.9 | 162.3 | 166.7 | 170.6 | 173 |
| 15 | 50th | 105 | 106 | 107 | 108 | 109 | 109 | 109 | 64 | 64 | 64 | 65 | 66 | 67 | 67 |
|  | 90th | 118 | 119 | 121 | 122 | 123 | 123 | 124 | 76 | 76 | 76 | 77 | 77 | 78 | 78 |
|  | 95th | 124 | 124 | 125 | 126 | 127 | 127 | 128 | 80 | 80 | 80 | 81 | 82 | 82 | 82 |
|  | 95th + 12 mmHg | 136 | 136 | 137 | 138 | 139 | 139 | 140 | 92 | 92 | 92 | 93 | 94 | 94 | 94 |
|  | Height (in) | 59.9 | 60.8 | 62.4 | 64.1 | 65.8 | 67.3 | 68.3 | 59.9 | 60.8 | 62.4 | 64.1 | 65.8 | 67.3 | 68.3 |
|  | Height (cm) | 152.1 | 154.5 | 158.4 | 162.8 | 167.1 | 171.1 | 173.4 | 152.1 | 154.5 | 158.4 | 162.8 | 167.1 | 171.1 | 173.4 |
| 16 | 50th | 106 | 107 | 108 | 109 | 109 | 110 | 110 | 64 | 64 | 65 | 66 | 66 | 67 | 67 |
|  | 90th | 119 | 120 | 122 | 123 | 124 | 124 | 124 | 76 | 76 | 76 | 77 | 78 | 78 | 78 |
|  | 95th | 124 | 125 | 125 | 127 | 127 | 128 | 128 | 80 | 80 | 80 | 81 | 82 | 82 | 82 |
|  | 95th + 12 mmHg | 136 | 137 | 137 | 139 | 139 | 140 | 140 | 92 | 92 | 92 | 93 | 94 | 94 | 94 |
|  | Height (in) | 60.0 | 60.9 | 62.5 | 64.2 | 65.9 | 67.4 | 68.4 | 60.0 | 60.9 | 62.5 | 64.2 | 65.9 | 67.4 | 68.4 |
|  | Height (cm) | 152.4 | 154.7 | 158.7 | 163.0 | 167.4 | 171.3 | 173.7 | 152.4 | 154.7 | 158.7 | 163.0 | 167.4 | 171.3 | 173.7 |
| 17 | 50th | 107 | 108 | 109 | 110 | 110 | 110 | 111 | 64 | 64 | 65 | 66 | 66 | 66 | 67 |
|  | 90th | 120 | 121 | 123 | 124 | 124 | 125 | 125 | 76 | 76 | 77 | 77 | 78 | 78 | 78 |
|  | 95th | 125 | 125 | 126 | 127 | 128 | 128 | 128 | 80 | 80 | 80 | 81 | 82 | 82 | 82 |
|  | 95th + 12 mmHg | 137 | 137 | 138 | 139 | 140 | 140 | 140 | 92 | 92 | 92 | 93 | 94 | 94 | 94 |

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