

# Supplementary Figure S1. Comparison of EFW between our study and six previous published studies. **A** Comparison of EFW between our study and the WHO study. **B** Comparison of EFW between our study and the Intergrowth-21st Project study. **C** Comparison of EFW between our study and the NICHD (Asian). **D** Comparison of EFW between our study and the Hadlock 1991. **E** Comparison of EFW between our study and the study from Hong Kong (China). **F** Comparison of EFW between our study and the semi-customized fetal growth curve for the Chinese population. EFW: Estimated fetal weight; GA: Gestational age; NICHD: National Institute of Child Health and Human Development; WHO: World Health Organization Multicenter Growth Reference Study.



# Supplementary Figure S2. Comparison of the proportion of EFW <10th percentile by different EFW reference values. A Comparison between our study and Hadlock 1991, NICHD Asian, and WHO study. B Comparison between our study and Intergrowth-21st Project study, Hong Kong (China), and semi-customized fetal growth curve for the Chinese population. The proportion of EFW <10th percentile was calculate based on the number fetal in our participants whose EFW <10th percentile of EFW reference values. We compared this percentage by our fetal growth reference values and other six fetal growth reference values. EFW: Estimated fetal weight; GA: Gestational age; NICHD: National Institute of Child Health and Human Development; WHO: World Health Organization Multicenter Growth Reference Study.

# Supplementary Table S1. List of partner hospitals in this study.

|  |  |
| --- | --- |
| **Provinces** | **Hospitals** |
| **Northern region** |  |
| Beijing | Tongzhou Maternal and Child Health Hospital |
| Beijing | Peking University Third Hospital |
| Liaoning | Shenyang Maternity and Infant Hospital |
| Liaoning | Shengjing Hospital Affiliated to China Medical University |
| Hebei | Shijiazhuang Maternal and Child Health Hospital |
| Hebei | Qinhuangdao Maternal and Child Health Hospital |
| Shanxi | Shanxi Maternal and Child Health Hospital |
| Shanxi | Changzhi Maternal and Child Health Hospital |
| Jilin | Changchun Maternity Hospital |
| Gansu | Gansu Maternal and Child Health Hospital |
| Inner Mongolia Autonomous Region | Inner Mongolia Maternal and Child Health Hospital |
| Shandong | Dongchangfu Maternal and Child Health Hospital  |
| Henan | Zhengzhou Central Hospital |
| Xinjiang Uygur Autonomous Region | Urumqi Maternal and Child Health Hospital |
| Shaanxi | Northwest Women’s and Children’s Hospital |
| **Southern region** |  |
| Guangdong | The Third Affiliated Hospital of Guangzhou Medical University |
| Guangxi Zhuang Autonomous Region | Maternal and Child Health Hospital of Guangxi |
| Hunan | Hunan Maternal and Child Health Hospital |
| Jiangxi | Jiangxi Maternal and Child Health Hospital |
| Fujian | Fujian Maternal and Child Health Hospital |
| Fujian | The First Affiliated Hospital of Xiamen University |
| Chongqing | Chongqing Maternal and Child Health Hospital |
| Chongqing | The First Affiliated Hospital of Chongqing Medical University |
| Hubei | Hubei Maternal and Child Health Hospital |

# Supplementary Table S2. Number of ultrasound measurements at each GA.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GA (weeks)** | **No. of ultrasound measurements** | **GA (weeks)** | **No. of ultrasound measurements** | **GA (weeks)** | **No. of ultrasound measurements** |
| 12 | 31 | 22 | 1433 | 32 | 1822 |
| 13 | 60 | 23 | 2815 | 33 | 804 |
| 14 | 112 | 24 | 1852 | 34 | 893 |
| 15 | 225 | 25 | 621 | 35 | 1062 |
| 16 | 485 | 26 | 443 | 36 | 1909 |
| 17 | 445 | 27 | 361 | 37 | 3119 |
| 18 | 365 | 28 | 699 | 38 | 2775 |
| 19 | 295 | 29 | 1069 | 39 | 2610 |
| 20 | 369 | 30 | 2083 | 40 | 542 |
| 21 | 546 | 31 | 1855 |  |  |

# GA: Gestational age.

# Supplementary Table S3. Percentiles of EFW (g) for northern region.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GA (weeks)** | **1st** | **3rd** | **5th** | **10th** | **50th** | **90th** | **95th** | **97th** | **99th** |
| 12 | 49.6 | 51.3 | 52.2 | 53.7 | 59.1 | 65.2 | 67.0 | 68.2 | 70.5 |
| 13 | 63.3 | 65.3 | 66.4 | 68.2 | 74.7 | 81.8 | 83.9 | 85.3 | 88.1 |
| 14 | 79.9 | 82.4 | 83.7 | 85.9 | 93.9 | 102.6 | 105.2 | 106.9 | 110.3 |
| 15 | 100.0 | 103.1 | 104.8 | 107.5 | 117.4 | 128.2 | 131.4 | 133.6 | 137.7 |
| 16 | 124.4 | 128.3 | 130.4 | 133.7 | 146.0 | 159.4 | 163.4 | 166.1 | 171.3 |
| 17 | 153.8 | 158.6 | 161.2 | 165.2 | 180.4 | 197.0 | 202.0 | 205.3 | 211.7 |
| 18 | 188.9 | 194.7 | 197.9 | 202.9 | 221.6 | 241.9 | 248.1 | 252.1 | 259.9 |
| 19 | 230.3 | 237.4 | 241.3 | 247.4 | 270.2 | 295.0 | 302.4 | 307.4 | 316.9 |
| 20 | 278.7 | 287.3 | 292.0 | 299.4 | 326.9 | 357.0 | 366.0 | 372.0 | 383.5 |
| 21 | 334.7 | 345.1 | 350.8 | 359.6 | 392.7 | 428.8 | 439.6 | 446.8 | 460.6 |
| 22 | 399.1 | 411.5 | 418.2 | 428.7 | 468.1 | 511.2 | 524.1 | 532.6 | 549.2 |
| 23 | 472.4 | 487.1 | 495.0 | 507.5 | 554.2 | 605.1 | 620.4 | 630.5 | 650.1 |
| 24 | 555.3 | 572.6 | 581.9 | 596.6 | 651.4 | 711.3 | 729.3 | 741.2 | 764.2 |
| 25 | 648.4 | 668.5 | 679.4 | 696.6 | 760.6 | 830.5 | 851.5 | 865.4 | 892.3 |
| 26 | 752.1 | 775.5 | 788.1 | 808.0 | 882.3 | 963.4 | 987.7 | 1003.8 | 1035.0 |
| 27 | 866.9 | 893.8 | 908.4 | 931.3 | 1016.9 | 1110.4 | 1138.4 | 1157.0 | 1192.9 |
| 28 | 992.8 | 1023.6 | 1040.3 | 1066.5 | 1164.6 | 1271.6 | 1303.7 | 1325.0 | 1366.1 |
| 29 | 1129.6 | 1164.7 | 1183.7 | 1213.6 | 1325.1 | 1446.9 | 1483.5 | 1507.7 | 1554.5 |
| 30 | 1277.1 | 1316.7 | 1338.2 | 1372.0 | 1498.1 | 1635.8 | 1677.1 | 1704.4 | 1757.3 |
| 31 | 1434.4 | 1478.9 | 1503.0 | 1540.9 | 1682.6 | 1837.2 | 1883.6 | 1914.3 | 1973.7 |
| 32 | 1600.4 | 1650.1 | 1677.0 | 1719.3 | 1877.4 | 2049.9 | 2101.7 | 2136.0 | 2202.3 |
| 33 | 1773.9 | 1828.9 | 1858.8 | 1905.7 | 2080.9 | 2272.1 | 2329.5 | 2367.5 | 2441.0 |
| 34 | 1952.9 | 2013.5 | 2046.4 | 2098.0 | 2290.8 | 2501.4 | 2564.5 | 2606.4 | 2687.3 |
| 35 | 2134.4 | 2200.6 | 2236.5 | 2293.0 | 2503.7 | 2733.8 | 2802.8 | 2848.6 | 2937.0 |
| 36 | 2314.3 | 2386.1 | 2425.1 | 2486.3 | 2714.8 | 2964.3 | 3039.1 | 3088.7 | 3184.6 |
| 37 | 2488.0 | 2565.2 | 2607.1 | 2672.9 | 2918.5 | 3186.8 | 3267.2 | 3320.5 | 3423.6 |
| 38 | 2650.2 | 2732.5 | 2777.1 | 2847.2 | 3108.8 | 3394.6 | 3480.2 | 3537.0 | 3646.8 |
| 39 | 2795.4 | 2882.2 | 2929.2 | 3003.1 | 3279.1 | 3580.5 | 3670.9 | 3730.8 | 3846.6 |
| 40 | 2917.6 | 3008.2 | 3057.3 | 3134.5 | 3422.7 | 3737.4 | 3831.8 | 3894.3 | 4015.3 |

# EFW: Estimated fetal weight; GA: Gestational age.

# Supplementary Table S4. Percentiles of EFW (g) for southern regions.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GA (weeks)** | **1st** | **3rd** | **5th** | **10th** | **50th** | **90th** | **95th** | **97th** | **99th** |
| 12 | 45.4 | 46.9 | 47.7 | 49.0 | 53.8 | 59.0 | 60.6 | 61.7 | 63.7 |
| 13 | 61.1 | 63.0 | 64.1 | 65.7 | 72.0 | 78.8 | 80.9 | 82.2 | 84.9 |
| 14 | 80.0 | 82.6 | 83.9 | 86.1 | 94.2 | 103.1 | 105.7 | 107.5 | 110.9 |
| 15 | 102.6 | 105.9 | 107.6 | 110.4 | 120.8 | 132.1 | 135.5 | 137.8 | 142.2 |
| 16 | 129.3 | 133.3 | 135.6 | 139.1 | 152.1 | 166.4 | 170.7 | 173.5 | 179.0 |
| 17 | 160.3 | 165.4 | 168.1 | 172.4 | 188.6 | 206.3 | 211.6 | 215.1 | 221.9 |
| 18 | 196.1 | 202.3 | 205.7 | 211.0 | 230.8 | 252.4 | 258.9 | 263.2 | 271.5 |
| 19 | 237.4 | 245.0 | 249.0 | 255.4 | 279.4 | 305.6 | 313.4 | 318.7 | 328.7 |
| 20 | 285.0 | 294.0 | 298.9 | 306.6 | 335.3 | 366.8 | 376.2 | 382.4 | 394.5 |
| 21 | 339.4 | 350.2 | 356.0 | 365.1 | 399.4 | 436.8 | 448.0 | 455.5 | 469.9 |
| 22 | 401.4 | 414.1 | 421.0 | 431.8 | 472.2 | 516.5 | 529.7 | 538.6 | 555.6 |
| 23 | 471.6 | 486.5 | 494.6 | 507.3 | 554.8 | 606.7 | 622.3 | 632.7 | 652.7 |
| 24 | 550.7 | 568.1 | 577.6 | 592.4 | 647.9 | 708.5 | 726.8 | 738.8 | 762.2 |
| 25 | 639.7 | 659.9 | 670.9 | 688.1 | 752.6 | 823.1 | 844.2 | 858.2 | 885.4 |
| 26 | 739.5 | 762.9 | 775.6 | 795.5 | 870.1 | 951.5 | 976.0 | 992.2 | 1023.6 |
| 27 | 851.2 | 878.2 | 892.8 | 915.7 | 1001.5 | 1095.3 | 1123.4 | 1142.1 | 1178.2 |
| 28 | 975.2 | 1006.1 | 1022.8 | 1049.1 | 1147.3 | 1254.8 | 1287.1 | 1308.5 | 1349.8 |
| 29 | 1111.5 | 1146.6 | 1165.6 | 1195.6 | 1307.6 | 1430.0 | 1466.8 | 1491.1 | 1538.3 |
| 30 | 1259.4 | 1299.2 | 1320.8 | 1354.7 | 1481.5 | 1620.2 | 1661.9 | 1689.5 | 1742.9 |
| 31 | 1417.9 | 1462.7 | 1487.0 | 1525.2 | 1668.0 | 1824.2 | 1871.1 | 1902.1 | 1962.3 |
| 32 | 1585.4 | 1635.5 | 1662.7 | 1705.4 | 1865.1 | 2039.7 | 2092.1 | 2126.9 | 2194.1 |
| 33 | 1759.5 | 1815.1 | 1845.3 | 1892.7 | 2069.9 | 2263.7 | 2321.9 | 2360.5 | 2435.1 |
| 34 | 1937.4 | 1998.6 | 2031.8 | 2084.0 | 2279.1 | 2492.5 | 2556.6 | 2599.1 | 2681.2 |
| 35 | 2115.8 | 2182.7 | 2218.9 | 2275.9 | 2489.0 | 2722.1 | 2792.1 | 2838.4 | 2928.2 |
| 36 | 2291.3 | 2363.8 | 2403.0 | 2464.8 | 2695.6 | 2948.0 | 3023.7 | 3074.0 | 3171.1 |
| 37 | 2460.2 | 2538.0 | 2580.2 | 2646.5 | 2894.3 | 3165.3 | 3246.6 | 3300.6 | 3404.9 |
| 38 | 2618.5 | 2701.3 | 2746.2 | 2816.7 | 3080.5 | 3368.9 | 3455.4 | 3512.9 | 3623.9 |
| 39 | 2762.0 | 2849.3 | 2896.6 | 2971.1 | 3249.3 | 3553.5 | 3644.9 | 3705.4 | 3822.5 |
| 40 | 2886.3 | 2977.7 | 3027.2 | 3105.0 | 3396.0 | 3714.3 | 3809.9 | 3873.2 | 3995.7 |

# EFW: Estimated fetal weight; GA: Gestational age.

# Supplementary Table S5. Percentiles of EFW (g) for female fetuses.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GA (weeks)** | **1st** | **3rd** | **5th** | **10th** | **50th** | **90th** | **95th** | **97th** | **99th** |
| 12 | 47.4 | 49.0 | 49.8 | 51.1 | 56.0 | 61.3 | 62.9 | 64.0 | 66.0 |
| 13 | 61.5 | 63.4 | 64.5 | 66.1 | 72.1 | 78.7 | 80.7 | 82.0 | 84.5 |
| 14 | 78.5 | 80.9 | 82.2 | 84.2 | 91.8 | 100.1 | 102.5 | 104.2 | 107.3 |
| 15 | 99.0 | 102.0 | 103.6 | 106.2 | 115.7 | 126.0 | 129.1 | 131.2 | 135.1 |
| 16 | 123.6 | 127.3 | 129.3 | 132.5 | 144.3 | 157.2 | 161.1 | 163.6 | 168.6 |
| 17 | 152.7 | 157.3 | 159.8 | 163.8 | 178.4 | 194.3 | 199.1 | 202.2 | 208.3 |
| 18 | 187.2 | 192.8 | 195.9 | 200.7 | 218.6 | 238.1 | 243.9 | 247.8 | 255.3 |
| 19 | 227.6 | 234.4 | 238.2 | 244.0 | 265.8 | 289.5 | 296.6 | 301.3 | 310.4 |
| 20 | 274.7 | 283.0 | 287.5 | 294.5 | 320.8 | 349.4 | 358.0 | 363.7 | 374.7 |
| 21 | 329.3 | 339.2 | 344.6 | 353.0 | 384.5 | 418.8 | 429.1 | 435.9 | 449.1 |
| 22 | 392.0 | 403.8 | 410.2 | 420.3 | 457.8 | 498.6 | 510.8 | 518.9 | 534.6 |
| 23 | 463.6 | 477.5 | 485.1 | 497.0 | 541.3 | 589.6 | 604.1 | 613.7 | 632.2 |
| 24 | 544.6 | 561.0 | 569.9 | 583.9 | 636.0 | 692.7 | 709.7 | 720.9 | 742.7 |
| 25 | 635.7 | 654.9 | 665.3 | 681.6 | 742.4 | 808.6 | 828.4 | 841.6 | 867.0 |
| 26 | 737.5 | 759.7 | 771.8 | 790.7 | 861.2 | 938.1 | 961.1 | 976.3 | 1005.7 |
| 27 | 850.3 | 875.9 | 889.8 | 911.6 | 993.0 | 1081.5 | 1108.1 | 1125.6 | 1159.6 |
| 28 | 974.3 | 1003.7 | 1019.6 | 1044.6 | 1137.8 | 1239.3 | 1269.7 | 1289.8 | 1328.7 |
| 29 | 1109.4 | 1142.9 | 1161.0 | 1189.5 | 1295.6 | 1411.1 | 1445.7 | 1468.6 | 1512.9 |
| 30 | 1255.2 | 1293.1 | 1313.6 | 1345.8 | 1465.8 | 1596.5 | 1635.7 | 1661.6 | 1711.7 |
| 31 | 1411.0 | 1453.5 | 1476.5 | 1512.7 | 1647.7 | 1794.6 | 1838.6 | 1867.8 | 1924.1 |
| 32 | 1575.6 | 1623.1 | 1648.8 | 1689.2 | 1839.9 | 2004.0 | 2053.2 | 2085.7 | 2148.6 |
| 33 | 1747.7 | 1800.3 | 1828.9 | 1873.7 | 2040.9 | 2222.9 | 2277.4 | 2313.5 | 2383.3 |
| 34 | 1925.2 | 1983.2 | 2014.7 | 2064.1 | 2248.2 | 2448.7 | 2508.8 | 2548.5 | 2625.4 |
| 35 | 2105.0 | 2168.5 | 2202.8 | 2256.8 | 2458.1 | 2677.4 | 2743.0 | 2786.5 | 2870.5 |
| 36 | 2282.9 | 2351.7 | 2389.0 | 2447.6 | 2665.9 | 2903.7 | 2974.9 | 3022.0 | 3113.1 |
| 37 | 2454.0 | 2528.0 | 2568.1 | 2631.1 | 2865.8 | 3121.4 | 3197.9 | 3248.6 | 3346.6 |
| 38 | 2613.1 | 2691.9 | 2734.6 | 2801.6 | 3051.5 | 3323.7 | 3405.2 | 3459.2 | 3563.4 |
| 39 | 2754.2 | 2837.3 | 2882.3 | 2952.9 | 3216.3 | 3503.2 | 3589.1 | 3646.0 | 3756.0 |
| 40 | 2871.4 | 2958.0 | 3005.0 | 3078.7 | 3353.5 | 3652.8 | 3742.4 | 3801.7 | 3916.4 |

# EFW: Estimated fetal weight; GA: Gestational age.

# Supplementary Table S6. Percentiles of EFW (g) for male fetuses.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GA (weeks)** | **1st** | **3rd** | **5th** | **10th** | **50th** | **90th** | **95th** | **97th** | **99th** |
| 12 | 46.4 | 48.0 | 48.9 | 50.2 | 55.3 | 60.9 | 62.6 | 63.8 | 65.9 |
| 13 | 61.2 | 63.2 | 64.2 | 66.0 | 72.4 | 79.4 | 81.5 | 82.9 | 85.6 |
| 14 | 78.9 | 81.5 | 82.9 | 85.0 | 93.2 | 102.1 | 104.8 | 106.5 | 110.0 |
| 15 | 100.2 | 103.5 | 105.2 | 108.0 | 118.2 | 129.5 | 132.9 | 135.1 | 139.5 |
| 16 | 125.6 | 129.6 | 131.8 | 135.3 | 148.2 | 162.3 | 166.5 | 169.3 | 174.7 |
| 17 | 155.6 | 160.6 | 163.3 | 167.6 | 183.5 | 201.0 | 206.2 | 209.7 | 216.4 |
| 18 | 190.8 | 197.0 | 200.3 | 205.5 | 225.1 | 246.5 | 252.9 | 257.2 | 265.4 |
| 19 | 232.0 | 239.5 | 243.5 | 249.9 | 273.6 | 299.7 | 307.5 | 312.7 | 322.7 |
| 20 | 280.1 | 289.1 | 293.9 | 301.6 | 330.3 | 361.7 | 371.1 | 377.4 | 389.5 |
| 21 | 335.7 | 346.4 | 352.3 | 361.5 | 395.9 | 433.5 | 444.8 | 452.3 | 466.8 |
| 22 | 399.6 | 412.4 | 419.3 | 430.3 | 471.2 | 516.0 | 529.4 | 538.4 | 555.6 |
| 23 | 472.4 | 487.5 | 495.8 | 508.7 | 557.0 | 610.0 | 625.9 | 636.5 | 656.9 |
| 24 | 554.8 | 572.5 | 582.2 | 597.4 | 654.2 | 716.4 | 735.0 | 747.4 | 771.4 |
| 25 | 647.2 | 668.0 | 679.2 | 696.9 | 763.2 | 835.8 | 857.6 | 872.0 | 900.0 |
| 26 | 750.2 | 774.3 | 787.3 | 807.9 | 884.7 | 968.8 | 994.1 | 1010.8 | 1043.2 |
| 27 | 864.1 | 891.8 | 906.8 | 930.5 | 1019.0 | 1115.8 | 1144.9 | 1164.3 | 1201.6 |
| 28 | 988.9 | 1020.6 | 1037.8 | 1064.9 | 1166.1 | 1277.0 | 1310.3 | 1332.4 | 1375.2 |
| 29 | 1124.5 | 1160.6 | 1180.2 | 1210.9 | 1326.1 | 1452.1 | 1490.0 | 1515.1 | 1563.7 |
| 30 | 1270.5 | 1311.3 | 1333.4 | 1368.1 | 1498.2 | 1640.6 | 1683.4 | 1711.8 | 1766.7 |
| 31 | 1426.2 | 1471.9 | 1496.7 | 1535.8 | 1681.8 | 1841.6 | 1889.7 | 1921.5 | 1983.2 |
| 32 | 1590.5 | 1641.5 | 1669.2 | 1712.7 | 1875.5 | 2053.8 | 2107.4 | 2142.9 | 2211.7 |
| 33 | 1762.1 | 1818.6 | 1849.3 | 1897.5 | 2077.9 | 2275.5 | 2334.8 | 2374.2 | 2450.3 |
| 34 | 1939.3 | 2001.5 | 2035.2 | 2088.3 | 2286.9 | 2504.3 | 2569.6 | 2612.9 | 2696.7 |
| 35 | 2119.0 | 2187.0 | 2223.8 | 2281.8 | 2498.7 | 2736.3 | 2807.7 | 2855.0 | 2946.6 |
| 36 | 2297.3 | 2371.0 | 2411.0 | 2473.9 | 2709.1 | 2966.6 | 3044.0 | 3095.3 | 3194.6 |
| 37 | 2469.9 | 2549.1 | 2592.1 | 2659.7 | 2912.6 | 3189.5 | 3272.7 | 3327.8 | 3434.6 |
| 38 | 2631.7 | 2716.1 | 2761.9 | 2833.9 | 3103.3 | 3398.3 | 3487.0 | 3545.8 | 3659.5 |
| 39 | 2777.2 | 2866.3 | 2914.6 | 2990.7 | 3275.0 | 3586.3 | 3679.9 | 3741.9 | 3862.0 |
| 40 | 2900.9 | 2994.0 | 3044.5 | 3123.9 | 3421.1 | 3746.5 | 3844.3 | 3909.1 | 4034.6 |

# EFW: Estimated fetal weight; GA: Gestational age.

# Supplementary Table S7. *P* values of pairwise comparison for EFW (g) by gestation.

|  |  |  |
| --- | --- | --- |
| **GA (weeks)** | **North *vs*. South** | **Male *vs*. Female** |
| 12 | 0.1353 | 0.5940 |
| 13 | 0.3794 | 0.8311 |
| 14 | 0.7852 | 0.0721 |
| 15 | <0.0001 | 0.0669 |
| 16 | <0.0001 | 0.0012 |
| 17 | <0.0001 | <0.0001 |
| 18 | 0.0002 | <0.0001 |
| 19 | 0.0019 | <0.0001 |
| 20 | <0.0001 | <0.0001 |
| 21 | <0.0001 | 0.0355 |
| 22 | <0.0001 | <0.0001 |
| 23 | <0.0001 | <0.0001 |
| 24 | <0.0001 | <0.0001 |
| 25 | <0.0001 | <0.0001 |
| 26 | 0.0002 | <0.0001 |
| 27 | 0.0022 | 0.0466 |
| 28 | 0.0334 | 0.0001 |
| 29 | 0.0078 | <0.0001 |
| 30 | 0.6466 | <0.0001 |
| 31 | 0.5581 | <0.0001 |
| 32 | 0.0007 | <0.0001 |
| 33 | 0.1098 | <0.0001 |
| 34 | 0.6959 | <0.0001 |
| 35 | 0.7871 | <0.0001 |
| 36 | 0.5987 | <0.0001 |
| 37 | 0.3544 | <0.0001 |
| 38 | 0.6597 | <0.0001 |
| 39 | 0.9415 | <0.0001 |
| 40 | 0.6363 | <0.0001 |

# Supplementary Table S8. Multivariate analyses of the influence of geographical areas on perinatal outcomes.

|  |  |  |
| --- | --- | --- |
| **Items** | **Regression coefficient (95% *CI*)/*OR* (95% *CI*)** | ***P*** |
| Model I: Premature rupture of membranes |  |  |
| North | Ref |  |
| South | 1.28 (1.13–1.44)\* | <0.0001 |
| Model II: Premature |  |  |
| North | Ref |  |
| South | 0.79 (0.57–1.10)\* | 0.18 |
| Model III: GA at delivery |  |  |
| North | Ref |  |
| South | −0.04 (−0.10–0.01)† | 0.14 |
| Model IV: Birth weight |  |  |
| North | Ref |  |
| South | −10.09 (−26.63–6.46)† | 0.23 |
| Model V: Birth length |  |  |
| North | Ref |  |
| South | −0.09 (−0.17 to −0.02)† | 0.02 |

\**OR* and 95% *CI* of logistic regression.

†Regression coefficient and 95% *CI* of linear regression. We adjusted maternal age, parity, pre-pregnancy weight, height, ethnic group (Han *vs.* minority), education (primary school and below, junior high school, senior high school or equivalent, bachelor degree, master degree and above), the gender of the infant (male *vs.* female), and GA of delivery in model I, model IV, and model V. We adjusted maternal age, parity, pre-pregnancy weight, height, ethnic group (Han *vs.* minority), education (primary school and below, junior high school, senior high school or equivalent, bachelor degree, master degree and above), and the gender of the infant (male *vs.* female) in model II and model III.

*CI*: Confidence interval; EFW: Estimated fetal weight; GA: Gestational age; *OR*: Odds ratio.