

Table 1. Serum levels of vitamin D metabolites in groups of pregnant women at term and groups of non-pregnant young women in the various studies

| 25(OH)D (nmol/L) | 1,25(OH) ₂ D (pmol/L) | 24,25(OH) ₂ D (nmol/L) | Week of pregnancy | Number of women | Reference |
|---|----------------------------------|-----------------------------------|-----------------------|-----------------|-----------|
| A. Pregnant women not taking vitamin D supplements | | | | | |
| 41.5±2.8 ^a | 146.4±15.4 | | Term | 36 | 25 |
| 55.3±6.5 | 185.1±25.9 | | Term | 25 | 26 |
| 21.3 | 240.0 | | 36-40 | 10 | 12 |
| 33.8±2.0 | 232.8±9.8 | | Term | 40 | 13 |
| 45.0±5.0 | 142.0±12.0 | 3.0±0.7 | 34 | 18 | 27 |
| | 212.7±23.3 | 4.9±0.7 | Term | 30 | 28 |
| 82.0±8.3 | 236.7±29.5 | 6.1±0.7 | Term | 9 (Jewish) | 29 |
| 37.8±6.5 | 200.7±27.1 | 1.7±0.3 | Term | 12 (Bedouin) | 29 |
| 44.5±3.9 | 207.7±16.8 | 4.8±0.6 | Term | 32 ^b | 14 |
| 26.0±2.3 | 200.0±21.9 | 3.6±0.4 | Term | 36 ^c | 14 |
| 9.4±0.9 | 66.1±2.6 | | Term | 29 | 30 |
| 45.1±5.3 | 86.4±10.1 | 3.7±0.8 | 37-40 | 26 | 31 |
| 42.3±3.5 | | 2.7±0.3 | Term | 45 ^d | 32 |
| 64.5±5.3 | | 6.2±0.5 | Term | 33 ^e | 32 |
| 15.1 | 150.0 | | Term | 30 (Pakistani) | 33 |
| 43.1 | 137.5 | | Term | 23 (Norwegian) | 33 |
| 35.0±1.7 | 333.0±13.4 | | Term | 40 | 9 |
| 117.5±12.5 | 242.4±14.4 | | 32-35 | 23 | 34 |
| 52.0±6.7 | 212.0±22.2 | | 34-36 | 14 | 10 |
| B. Pregnant women supplemented with vitamin D (400 IU/d)^f | | | | | |
| 37.8±5.5 | | 3.8±0.5 | Term | 10 (black) | 35 |
| 50.0±4.9 | | 5.8±0.8 | Term | 13 (white) | 35 |
| 40.8±3.3 | | 2.0±0.3 | 31-40 | 25 | 36 |
| 76.9±11.2 | 216.3±23.7 | | Term | 10 | 37 |
| 69.5±5.4 | 196.8±12.2 | | 3 rd trim. | 17 | 17 |
| 45.5±9.6 | 155.8±12.9 | 2.5±0.5 | Term | 10 (black) | 38 |
| 68.5±6.3 | 145.5±18.8 | 4.1±0.5 | Term | 12 (white) | 38 |
| C. Non-pregnant young women | | | | | |
| 48.5±4.8 | | 4.5±0.6 | | 10 (black) | 35 |
| 79.5±5.0 | | 7.8±0.7 | | 13 (white) | 35 |
| 80.5±7.8 | | 3.8±0.8 | | 16 | 36 |
| 53.3 | | 3.9 | | | 39 |
| 35.0±2.1 | 108.0±4.4 | | | 58 | 13 |
| 54.3±3.1 | | 4.0±0.4 | | 16 | 40 |
| 24.8 | 70.8 | | | 50 | 12 |
| 51.0±5.0 | 104.2±8.1 | 3.8±0.4 | | 20 | 28 |
| 48.0±3.4 | 99.6±5.6 | | | 24 | 17 |
| 87.5±10.5 | 89.3±7.4 | 7.4±1.0 | | | 29 |
| 46.2±5.4 | 81.9±12.1 | | | 6 | 41 |
| 70.3±3.6 | 76.5±2.4 | | | 52 | 42 |
| 51.3±2.4 | 94.1±2.4 | | | 6 | 43 |
| 52.0±5.1 | 98.0±8.3 | | | 14 | 10 |

a=Mean± SEM. b=delivered in August-September. c=delivered in February-March. d=delivered in March-April. e=delivered in September-October. f=women of the first three groups received non specified vitamin D. The women of the last four groups received D₂.