**Supplemental Table 2. Linear regression for estimated mean concentration differences of endogenous sex hormones by statin type for women**

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| --- | --- | --- | --- | --- |
| **Hormone** | **Statin type** | **Coefficient \*** | **95% CI** | **p-value** |
| DHEA, nmol/L |  |  |  |  |
| Model 1 | Atorvastatin | -1.81 | (-2.75, -0.88) | 0.0001 |
|  | Pravastatin | -0.12 | (-1.88,1.65) | 0.90 |
|  | Simvastatin | -0.52 | (-1.95,0.91) | 0.48 |
|  | Other | -1.90 | (-3.70, -0.10) | 0.04 |
| Model 2 | Atorvastatin | -1.48 | (-2.44, -0.53) | 0.002 |
|  | Pravastatin | -0.09 | (-1.85,1.67) | 0.92 |
|  | Simvastatin | -0.33 | (-1.76,1.10) | 0.65 |
|  | Other | -1.52 | (-3.31,0.27) | 0.10 |
| SHBG, nmol/L |  |  |  |  |
| Model 1 | Atorvastatin | -2.05 | (-6.27,2.17) | 0.34 |
|  | Pravastatin | -6.04 | (-14.00,1.91) | 0.14 |
|  | Simvastatin | -7.09 | (-13.53, -0.64) | 0.03 |
|  | Other | -4.94 | (-13.05,3.18) | 0.23 |
| Model 2 | Atorvastatin | -1.33 | (-5.27,2.61) | 0.51 |
|  | Pravastatin | -3.96 | (-11.20,3.28) | 0.28 |
|  | Simvastatin | -7.03 | (-12.92, -1.15) | 0.02 |
|  | Other | -6.36 | (-13.72,1.00) | 0.09 |
| Total T nmol/L |  |  |  |  |
| Model 1 | Atorvastatin | 0.07 | (-0.07,0.22) | 0.34 |
|  | Pravastatin | -0.11 | (-0.39,0.16) | 0.42 |
|  | Simvastatin | -0.02 | (-0.24,0.20) | 0.86 |
|  | Other | -0.23 | (-0.51,0.05) | 0.11 |
| Model 2 | Atorvastatin | 0.05 | (-0.10,0.20) | 0.51 |
|  | Pravastatin | -0.10 | (-0.37,0.18) | 0.50 |
|  | Simvastatin | -0.03 | (-0.25,0.20) | 0.82 |
|  | Other | -0.21 | (-0.49,0.07) | 0.15 |
| Bioavailable T, nmol/L |  |  |  |  |
| Model 1 | Atorvastatin | 0.04 | (-0.01,0.09) | 0.17 |
|  | Pravastatin | -0.02 | (-0.12,0.07) | 0.67 |
|  | Simvastatin | 0.01 | (-0.07,0.08) | 0.87 |
|  | Other | -0.03 | (-0.13,0.06) | 0.51 |
| Model 2 | Atorvastatin | 0.03 | (-0.03,0.08) | 0.32 |
|  | Pravastatin | -0.03 | (-0.12,0.07) | 0.60 |
|  | Simvastatin | 0.00 | (-0.07,0.08) | 0.94 |
|  | Other | -0.02 | (-0.12,0.07) | 0.63 |
| Estradiol, nmol/L |  |  |  |  |
| Model 1 | Atorvastatin | -0.01 | (-0.02,0.00) | 0.21 |
|  | Pravastatin | -0.00 | (-0.02,0.01) | 0.67 |
|  | Simvastatin | 0.01 | (-0.00,0.03) | 0.11 |
|  | Other | 0.01 | (-0.01,0.03) | 0.28 |
| Model 2 | Atorvastatin | -0.01 | (-0.02, -0.00) | 0.03 |
|  | Pravastatin | -0.01 | (-0.03,0.01) | 0.38 |
|  | Simvastatin | 0.01 | (-0.01,0.02) | 0.32 |
|  | Other | 0.01 | (-0.01,0.03) | 0.27 |

Reference: non-users

DHEA: dehydroepiadrosterone; SHBG: sex hormone binding globulin; T: testosterone

Model 1: race and age adjusted

Model 2: Model 1 adjustments + high density lipoprotein cholesterol, total cholesterol, BMI, diabetes, cigarette use, hypertension medication use, systolic and diastolic blood pressure.