New tables

**Table 2 - Associations between BMD (bone mineral density) exposures and incident dementia in sex-combined models, adjusting for age, sex, ApoE4 status, and BMI. Quartiles are designated as Q1, Q2, Q3, and Q4.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Beta | se | z | p-value | Lower 95% CI | Upper 95% CI |
| Baseline BMD | Baseline BMD | -0.446 | 0.573 | -0.778 | 0.437 | -1.569 | 0.677 |
| BMD\_quart2 | -0.097 | 0.247 | -0.392 | 0.695 | -0.581 | 0.387 |
| BMD\_quart3 | 0.141 | 0.233 | 0.604 | 0.546 | -0.316 | 0.597 |
| BMD\_quart4 | 0.116 | 0.244 | 0.478 | 0.633 | -0.362 | 0.595 |
| BMD\_quantile4th vs 1-3 | 0.063 | 0.161 | 0.390 | 0.697 | -0.253 | 0.379 |
|  |  |  |  |  |  |  |  |
| BMD loss | BMD\_change\_yr | -0.008 | 0.039 | -0.206 | 0.837 | -0.085 | 0.069 |
| BMD\_change\_yr\_q2 | 0.008 | 0.213 | 0.036 | 0.971 | -0.410 | 0.425 |
| BMD\_change\_yr\_q3 | 0.299 | 0.199 | 1.502 | 0.133 | -0.091 | 0.690 |
| BMD\_change\_yr\_q4 | 0.130 | 0.200 | 0.649 | 0.517 | -0.263 | 0.523 |
| BMD\_change\_yr quantile4th vs 1-3 | 0.016 | 0.154 | 0.105 | 0.917 | -0.286 | 0.318 |
|  |  |  |  |  |  |  |  |
| Baseline BMD and Bone Loss | BMD\_change\_yr | -0.007 | 0.041 | -0.168 | 0.866 | -0.087 | 0.073 |
| sec\_fnbmd | -0.600 | 0.610 | -0.984 | 0.325 | -1.795 | 0.595 |

Sex stratified

**Table 3 (Table S2 Rotterdam sex-stratified: Associations between BMD (bone mineral density) exposures and incident dementia in sex stratified models, adjusting for age, ApoE4 status, and BMI.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Exposure | Sex | Model | Parametrization | Beta | SE | z | P | lower 95% CI | Upper 95% CI |
| Baseline BMD | Female | 1.1 | continuous | -0.052 | 0.705 | -0.074 | 0.941 | -1.434 | 1.329 |
|  | Male | 1.1 | continuous | -1.123 | 0.999 | -1.124 | 0.261 | -3.080 | 0.835 |
|  | Female | 1.2 | Q2 vs. Q1 | -0.270 | 0.361 | -0.747 | 0.455 | -0.979 | 0.438 |
|  |  |  | Q3 vs. Q1 | -0.063 | 0.321 | -0.197 | 0.844 | -0.693 | 0.567 |
|  |  |  | Q4 vs. Q1 | -0.080 | 0.324 | -0.246 | 0.806 | -0.715 | 0.556 |
|  | Male | 1.2 | Q2 vs. Q1 | 0.051 | 0.339 | 0.151 | 0.880 | -0.614 | 0.716 |
|  |  |  | Q3 vs. Q1 | 0.344 | 0.346 | 0.993 | 0.321 | -0.335 | 1.022 |
|  |  |  | Q4 vs. Q1 | 0.273 | 0.412 | 0.663 | 0.507 | -0.534 | 1.080 |
|  | Female | 1.3 | Q4 vs. Q1-Q3 | 0.027 | 0.182 | 0.148 | 0.882 | -0.330 | 0.384 |
|  | Male | 1.3 | Q4 vs. Q1-Q3 | 0.144 | 0.358 | 0.403 | 0.687 | -0.557 | 0.846 |
| Bone Loss | Female | 2.1 | continuous | -0.011 | 0.045 | -0.244 | 0.807 | -0.098 | 0.076 |
|  | Male | 2.1 | continuous | 0.007 | 0.085 | 0.082 | 0.934 | -0.160 | 0.174 |
|  | Female | 2.2 | Q2 vs. Q1 | -0.056 | 0.258 | -0.218 | 0.827 | -0.562 | 0.449 |
|  |  |  | Q3 vs. Q1 | 0.072 | 0.243 | 0.297 | 0.766 | -0.404 | 0.548 |
|  |  |  | Q4 vs. Q1 | 0.040 | 0.232 | 0.174 | 0.862 | -0.415 | 0.496 |
|  | Male | 2.2 | Q2 vs. Q1 | 0.151 | 0.381 | 0.396 | 0.692 | -0.596 | 0.898 |
|  |  |  | Q3 vs. Q1 | 0.801 | 0.353 | 2.272 | 0.023 | 0.110 | 1.493 |
|  |  |  | Q4 vs. Q1 | 0.294 | 0.397 | 0.741 | 0.459 | -0.484 | 1.071 |
|  | Female | 2.3 | Q4 vs. Q1-Q3 | 0.032 | 0.177 | 0.181 | 0.857 | -0.315 | 0.379 |
|  | Male | 2.3 | Q4 vs. Q1-Q3 | -0.038 | 0.316 | -0.119 | 0.906 | -0.658 | 0.583 |
| Baseline BMD and Bone Loss | Female | 3 | Baseline BMD | -0.248 | 0.757 | -0.328 | 0.743 | -1.732 | 1.236 |
|  |  |  | Bone Loss | -0.005 | 0.046 | -0.099 | 0.921 | -0.096 | 0.086 |
|  | Male | 3 | Baseline BMD | -1.281 | 1.045 | -1.226 | 0.220 | -3.329 | 0.767 |
|  |  |  | Bone Loss | -0.006 | 0.090 | -0.063 | 0.950 | -0.181 | 0.170 |