**Table 1: Cohort Description (N=2,150). Cohort characteristics are given for Rotterdam study 1 cohort for females and males. Continuous variables show median (interquartile range) and categorical variables show number (percentage).**

| Characteristic | Female, N = 12111 | Male, N = 9391 |
| --- | --- | --- |
| Age(mean) | 72 (67,77) | 72 (67,77) |
| Bone loss % year | 0.27(-0.52,1.11) | -0.09(-0.78,0.63) |
| Bone loss Q4 | 360 (30%) | 178 (19%) |
| BMD baseline (g/cm²) | 0.82 (0.73, 0.91) | 0.92 (0.83, 1.01) |
| Current smoker | 172 (14%) | 147 (16%) |
| missing | 7 | 2 |
| BMI(mean) | 26.2 (23.8,29.0) | 25.9 (24.2,27.9) |
| > 1 APOE e4 alleles | 323(27%) | 283 (30%) |
| missing | 0 | 0 |
| Dementia Incidence | 150(12%) | 62(7%) |
| Alzheimer's disease Incidence | 117(10%) | 37(4%) |
| 1Median (IQR); n (%)  2Femoral Neck BMD (bone mineral density) | | |