\[ N = 2,463 \text{ Female (year: 1997-1999)} \]
Participants eligible in the 3rd wave of Rotterdam Study

\[ N = 1,527 \text{ Female participants included in the final analysis for FN-BMD (among them, 124 and 528 participants with no hip bone geometry data and BMD at 2nd round (year: 2002-2004) respectively) } \]

\[ N = 2,040 \text{ Female participants with metabolic syndrome status and fracture follow up data (303, 284 and 37 participants had prevalent fractures of all types, non-vertebral and vertebral fractures respectively and were therefore excluded according to the type of fracture under analysis).} \]

\[ N = 2040 \text{ Excluded: no fasting blood or no information on at least one component of metabolic syndrome} \]

\[ N = 402 \text{ Excluded: participants did not have fracture follow up data} \]

\[ N = 534 \text{ Excluded: participants did not have FN-BMD measured} \]

\[ N = 2,061 \text{ Participant with information about metabolic syndrome} \]