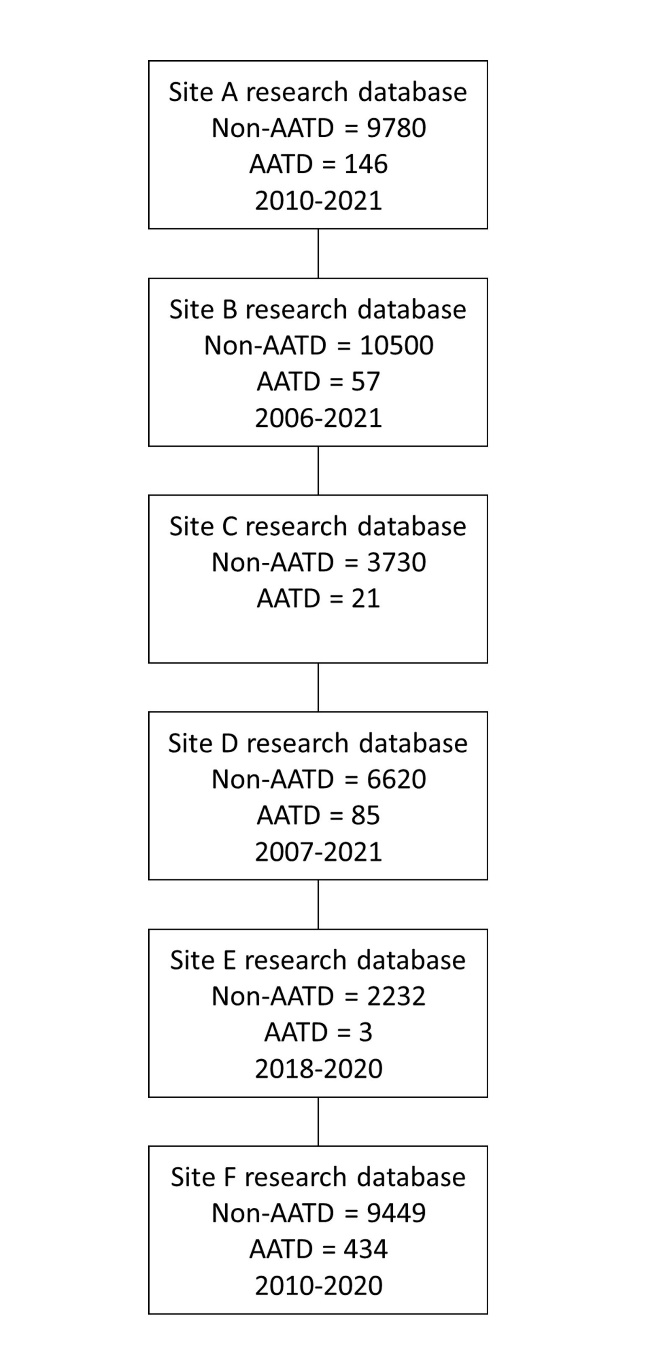
## Supplementary S1

Flow chart demonstrating the number of AATD and Non-AATD patients at each research database



**Figure 1.** Flow chart demonstrating the number of AATD and Non-AATD patients at each research database and the respective recording period