HIV infected individuals from HIV-NAT long term cohort (n=1,680)

Inactive status (referral to local treatment centers, death or study withdrawal) (n=413)

Patients excluded (n=1,312)

Confirmed positive result for chronic hepatitis B or C virus infection (n=651)

Unavailable baseline ALT data (n=120)

Baseline ALT greater than or equal to 40 IU/L (n=119)

Loss to follow-up for at least 1 year during the study period (n=9)

HIV infection without HBV and HCV infection (n=368)

Matching 1:1

Excluded (Not meet the criteria for matching) (n=120)

With chronic hepatitis, Case (n=124)

Without chronic hepatitis, Control (n=124)