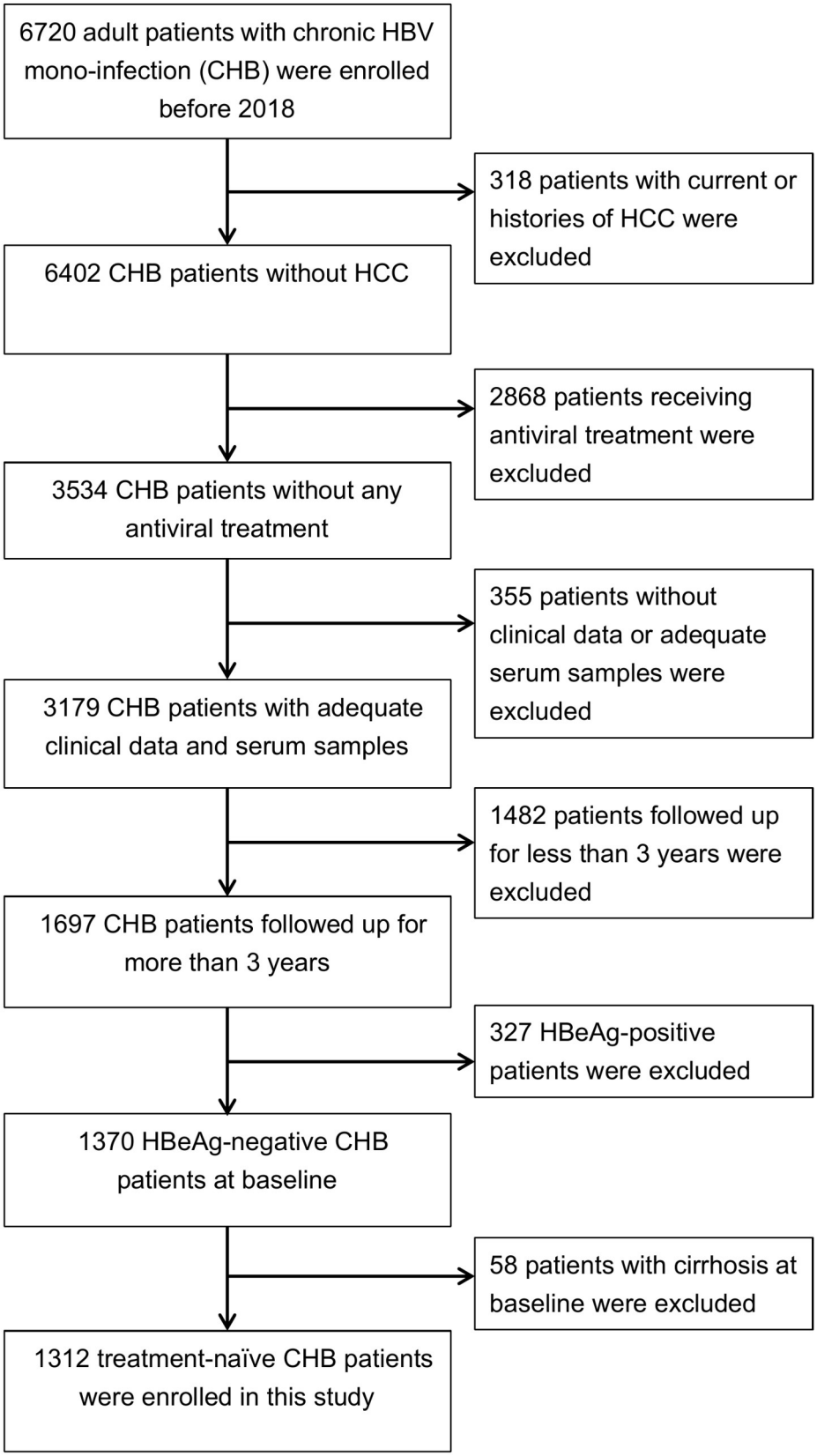Supplementary figure 1B