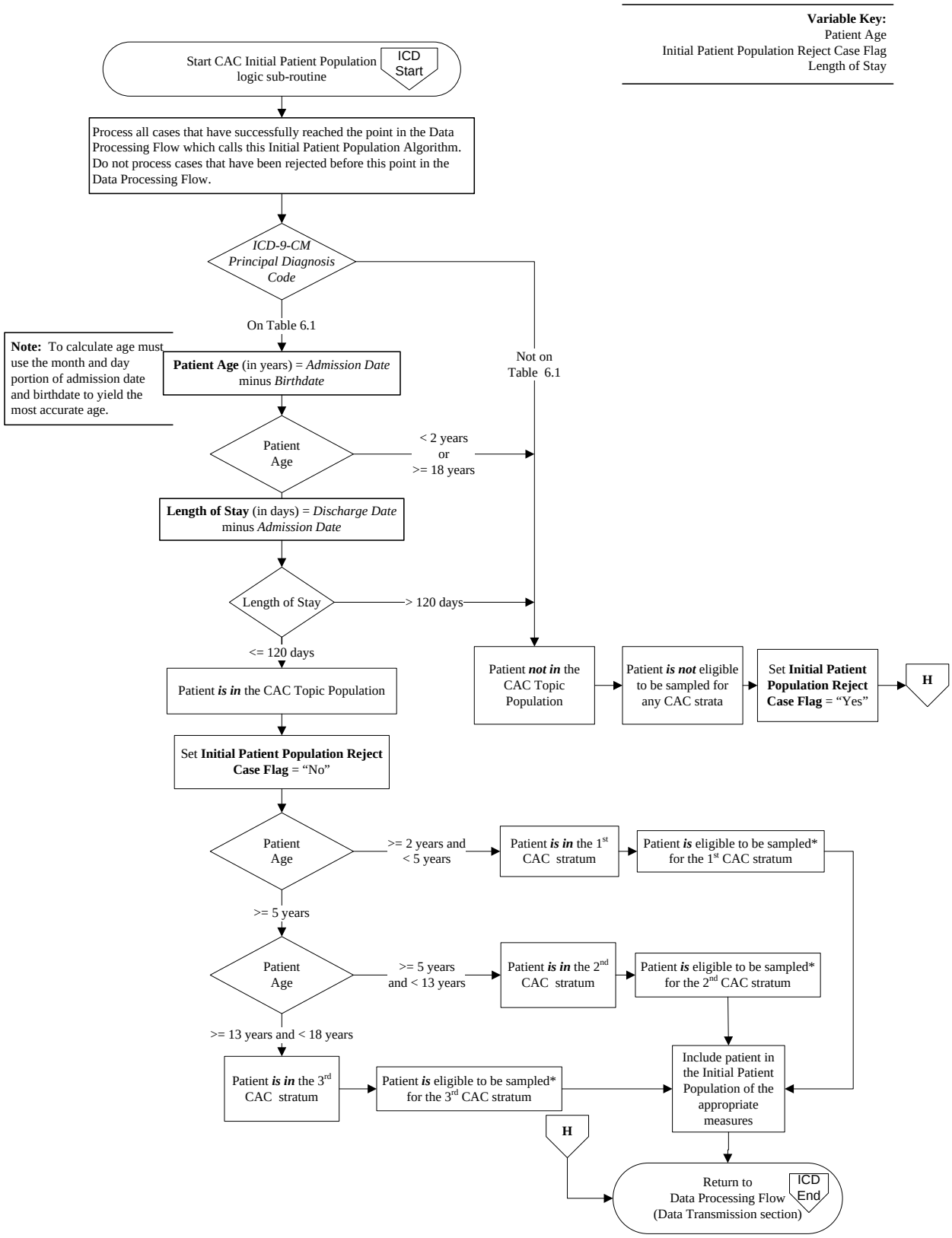CAC Initial Patient Population Algorithm