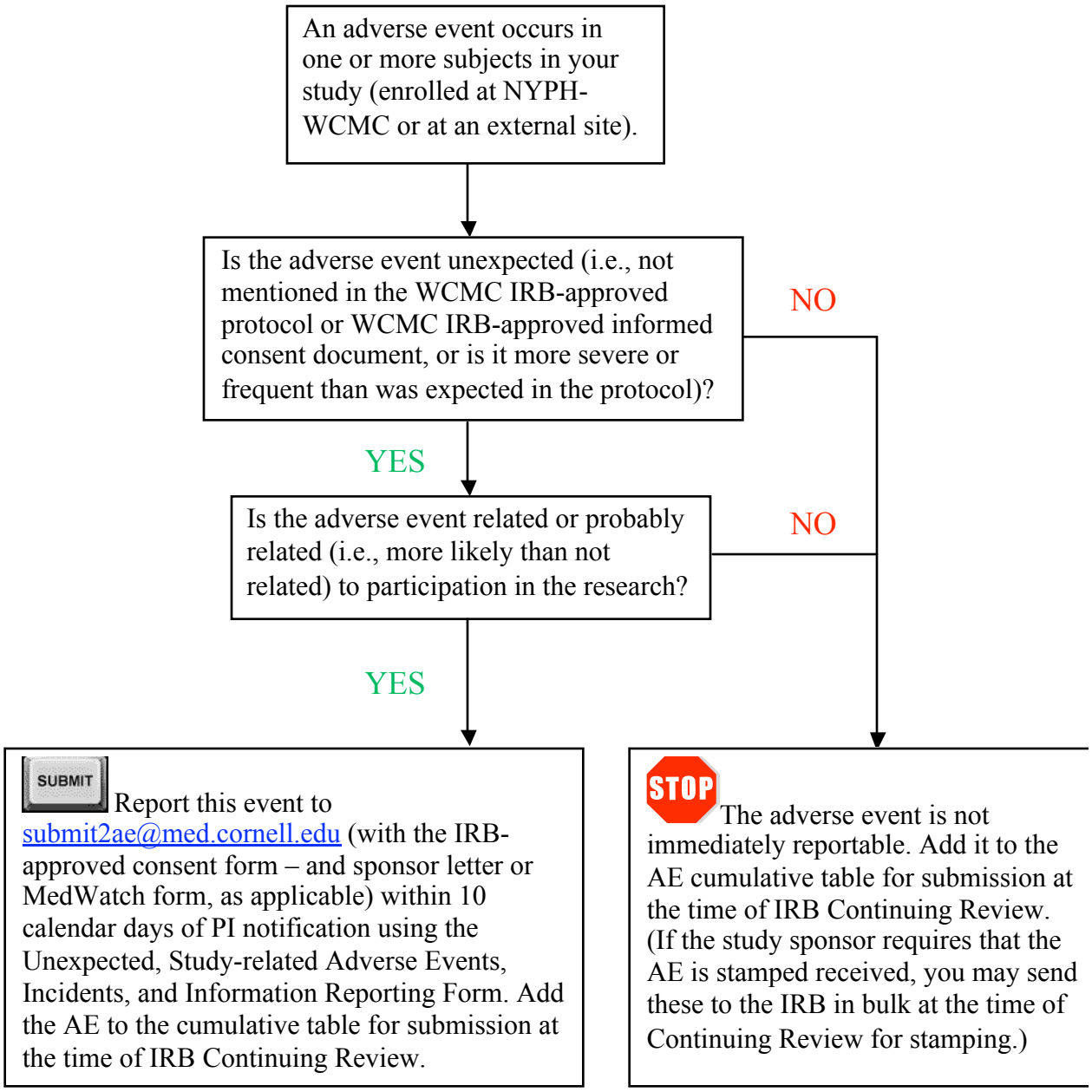Adverse Event Algorithm