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# MODELING HIV EPIDEMIC UNDER CONTACT TRACING- A REMARK

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## ABSTRACT

A nonlinear model on HIV Epidemic under contact tracing is studied, where we assume that the rate of recruitment of HIV positives is proportional to the population. We determine the critical for the stability of the epidemic free equilibrium and the endemic equilibrium.

**KEYWORDS:** Contact Tracing, Basic Reproduction Number, Epidemic Free, Endemic