

LIMITING PROPERTIES OF THE OCCURRENCE/ EXPOSURE RATE AND SIMPLE RISK RATE*

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Abstract. In this paper, we study the asymptotic distributions of the functions of the occurrence/exposure rates of several groups of patients as well as Berry-Esseen bound on the distribution function of the occurrence/exposure rate. Asymptotic distributions of functions of the simple risk rates are also derived. The results are useful in not only medical research but also in the area of reliability.

Key words and phrases: Asymptotic distributions, medical research, occurrence/exposure rate, reliability, risk rate.