

1023-L1-1352

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3800 Hillsborough Street, Raleigh, NC 27607-5298. *A Model of Randomized Drug  
Testing*. Preliminary report.

Randomized drug testing has become increasingly prevalent in the workplace and in sports. We shall consider a simple binomial model of the efficacy of randomized drug tests as a function of time. This analysis was developed when the author served as a consultant for a company employing randomized drug tests under the terms of the Omnibus Transportation Employee Testing Act of 1991. (Received September 25, 2006)