

**222.** 1000 workers insured under a workers compensation policy were observed for one year. The number of work days missed is given below:

Number of Days of Work Missed	Number of Workers
0	818
1	153
2	25
3 or more	4
Total	1000
Total Number of Days Missed	230

The chi-square goodness-of-fit test is used to test the hypothesis that the number of work days missed follows a Poisson distribution where:

- (i) The Poisson parameter is estimated by the average number of work days missed.
- (ii) Any interval in which the expected number is less than one is combined with the previous interval.

Determine the results of the test.

- (A) The hypothesis is not rejected at the 0.10 significance level.
- (B) The hypothesis is rejected at the 0.10 significance level, but is not rejected at the 0.05 significance level.
- (C) The hypothesis is rejected at the 0.05 significance level, but is not rejected at the 0.025 significance level.
- (D) The hypothesis is rejected at the 0.025 significance level, but is not rejected at the 0.01 significance level.
- (E) The hypothesis is rejected at the 0.01 significance level.