

Work-Related low back pains in the workplace

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- Abstract -

This study investigated the work-related low back pains(LBP) of applied for industrial compensation claims. The industrial accident compensation claims from January 1995 to December 1995 were reviewed and total of 1,731 work-related low back pains(LBP) claims were analyzed. The second study investigated the occurrence cause of the work-related LBP accident by mailing questionnaire survey. 175 workers among 1,731 are replied the questionnaire.

One. The results are summerized as follows; for 1,731 work-related LBP workers.

1. The mean age of the work-related LBP workers are 36 ± 9 years and 41.6% of workers are 30-39 years.
2. The workers who work less than one year were 28.1% of all the work-related LBP workers.
3. The most frequent cause of work-related LBP was lifting(32.4%) and the second frequent cause was carrying(23.7%) and reaching, bending and twisting(17.5%) was the third cause of work-related LBP.
4. The work-related LBP incidence rates of classification by industry were 17.58 in ship-building and repairing, 12.71 in manufacturing industry of transportation machine and 12.35 in manufacturing industry of metal materials.

Two. The results are summerized as follows; for questionnaire survey.

1. Back postures of work-related LBP workers were bent forward and backward(40%), twisted(4.8%), bent and twisted(27.9%).
2. Most work-related LBP workers' work form of arms was both arms below shoulder level(76.6%).

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incidence rate