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The correlation between contamination of soil with *A. lumbricoides* in school yards and ascariasis among primary school children in Trung Commune, Northern Vietnam

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Abstract: Four hundred and six soil samples collected from five schools in Trung Commune, Bac Giang Province, Northern Vietnam, from 2005 to 2009 were analyzed for the presence of *A. lumbricoides* eggs. The prevalence of *A. lumbricoides* eggs in soil was 100% (406/406). The prevalence of *A. lumbricoides* infection among primary school children in Trung Commune was 100% (406/406).

helminth eggs using a sucrose centrifugal flotation method. The soils found to be heavily contaminated with *Ascaris* sp. eggs. The contamination of soil with *Ascaris* sp. eggs at each school and prevalence of ascariasis among the school children were significantly positively correlated (P<0.05). This indicated that examination of school latrines for *Ascaris* sp. eggs is a useful method to estimate the prevalence of ascariasis among school children.

Key words: [intestinal helminth](#), [ascariasis](#), [Ascaris egg](#), [soil contamination](#)

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