

## COVID-19: Ratio of Occurrence in General People and Medical Personnel, an Observation from the Second Country that Disease Emerged

Dear Editor, COVID-19 is an important new emerging infection. This new coronavirus infection can cause severe respiratory illness and death. The disease first emerged in China then Thailand and many countries.<sup>[1,2]</sup> The disease can attack people at any age group. Some occupations might have high risk to get infections. The examples of those occupations are tourist bus driver, taxi driver, and medical personnel. As a new disease, the data on the incidence of disease among risk occupation risk limited. Here, the authors summarize the local data on COVID-19 from Thailand, the second country that disease exists and spread.<sup>[3]</sup> This is the first report regarding the specific rate of infection among medical personnel.

Based on the present data (15 February 2020), the accumulated number of COVID-19 cases in Thailand is equal to 34 cases. Of those cases, 1 case is a nurse assistant. The infection occurred during close contact for nurse aiding a patient with COVID-19. The incidence rate is of COVID-19 in medical personnel comparing to all cases is equal to 2.94% (95% confidence interval = 0.43-20.28%). The ratio of occurrence in general people and medical personnel is equal to 1:33. There is a high chance that the medical personnel get COVID-19 infection during outbreak and might be the source for further spread to the others. Specific preventive measure aiming at prevention of disease for medical personnel is necessary.

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### Conflicts of interest

There are no conflicts of interest.

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