

Impact of Campus lockdown on Student Spatial Behavior During COVID-19 Pandemic

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The lockdown of campuses during the COVID-19 pandemic has changed students' campus life. This study used the method of online questionnaire survey and invited college students from Japan and China to fill in the questionnaire to explore the impact of the campus lockdown on their spatial behavior. The questionnaire is divided into three parts, respectively investigating demographic information, students' campus space behavior before and after the lockdown, and students' demand for public green space on campus in the future.

Our survey results show that most of the interviewees are aged between 20 and 24. Nearly 50% of the interviewees are graduate students, and about half of the interviewees are majors in landscape architecture. The survey results in the second part of the questionnaire show that before the campus closure, the indoor campus space most frequently used by students was the research room, and the most frequently used outdoor space was the traffic space. During the lockdown of the campus, the outdoor campus space that students most want to use is the outdoor rest space, while the indoor is still the research room. The lockdown of the campus has changed the reasons for students to go to school. The time spent on campus has been reduced, and the frequency of activities on campus has also decreased. The survey results in the third part of the questionnaire show that regardless of gender and age, students prefer larger campus green spaces in the post-pandemic era, and dislike outdoor rest spaces that can accommodate most people. Our research shows that campus lockdown affect students' motivation to go to school, the time spent on campus, and the frequency of school activities. And, due to the COVID-19 pandemic, students' hopes for outdoor campus space in the future are greater and wider, because such a space can reduce the risk of virus infection.

Keywords: COVID-19, Campus lockdown, Spatial behavior, Campus green space