

Dentistry Medical Environment in Tsukuba City in Terms of Accessibility

Hiroki Takamatsu[1]

[1] Spatial Information Science, Tsukuba Univ.

The purpose of this research into makes clearly the portion of dentistry medical environment and living environment of Tsukuba city by analyzing the accessibility to the dentistry clinic. Point of view to analyze that is 2 points of spatial patterns of the accessibility value which is based on road distance and cumulative opportunity measurement.

Spatial patterns of the accessibility value in Tsukuba city centers central district and the south east of city area, it is elliptical concentric ring structure on north and south. Because of that, the accessibility value of east-west gap existed in Tsukuba city is large, and the value was weak in the north section of Tsukuba city. Especially, near the Tsukuba, Toyosato and Yatabe government buildings, minimalist dentistry medical environment is improved. But, from a perspective of the number of choices, there is still differential between districts.

What day of the week analyze dentistry medical environment of Tsukuba City, on Wednesday, southern and northern part of Tsukuba City decrease of accessibility value conspicuous. Because of that, average of accessibility value decreases. In Thursday, the accessibility value of western Tsukuba city is decreased, but it is smaller than that of Wednesday.

Dentistry environment differential between districts in Tsukuba city is depend on whether or not inhabitant can use private transportation such as automobile and bicycle. Namely, if it assume that using private transportation such as automobile, and if it is given basically perspective whether or not people can use dentistry medical facility, the gap of dentistry environment in Tsukuba city is not great.

Furthermore, if the people cannot use private transportation, there are so much gap between convenient area and inconvenient area, even from the most basically perspective whether or not they can use dentistry medical facilities.

In order to supply many choices with that kind of people, the dentistry clinic is made to accumulate to the most convenient area to utilizing the public transportation, probably being best. As understood even from this, relation between the public transportation and dentistry medical environment is important to think from the point of public aspect of medical care.