

Research Trends and Results

Analysis on Needs of Daily Life Facilities by Household Structure

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1. Introduction

Under the current circumstances where people's ways of life and works are undergoing diversification, facilities and services considered necessary for the people shall vary depending on their attribute and life environment. By that reason, for the future maintenance and control of infrastructure, it is necessary to implement careful surveys to see whether independent citizens are ensured access to necessitated services or not adding to traditional reduction of the time of the access.

Therefore in this research, with the aim of contributing to make social environment that independent citizen is ensured access to necessitated life service, we have made an analysis about who needs what kind of services in life on recognizing the difference in individual attributes, consciousness and magnitudes of the residential city.

2. Contents of the research

In this research, we asked the inhabitants the questionnaire to see what the needs for daily life facilities are (Fig. 1), required time to access those facilities and allowable time so as to analyze the relation between the individual attributes and population scale of the residential city. As for the individual attributes, we have put a remark on the child (ren) and/or elderly people included in the objective households.

As for the result, shown in the Fig. 2 are specific needs for respective daily life facility classified by individual attributes. It was found that a household having children needs more facilities. However, this research did not show any specific facility that is additionally required by the household having elderly people. Further, we have made an analysis of the percentage of the people that did not have the required time allowance to access those facilities, only for respondents having such an attribute, by the population scale of the residential city.

Office (cultivated land for agriculture and forestry), clinic, hospital, baby home, kindergarten, elementary school, junior high school, community center, administrative institution, post office, commodities shop, convenience store, railway station, library, park, high-level medical facility, high school, college/professional school, department store, large scale shopping center, bank, cultural facility, amusement facility, sports facility, airport

Fig. 1 Objective daily life facilities

The analysis has revealed that citizens living in the small magnitude city had not the time necessary for access to every required facility even if we have recognized the difference in his or her consciousness. Furthermore, some respondents did not have the required time allowance even if its need was larger, particularly when it was high-level medical facility. It was also found that a larger percentage of the inhabitants in the small magnitude city had not the required time for the high-level medical facility, hospital and clinic compared to other facilities, that there were lower satisfaction levels towards medical.

3. Conclusion

We are to implement a study to effectively proceed on the measure focused onto the inhabitants and city difficult to enjoy necessitated daily service, based on the result of this research.

1. Necessary Facilities not related to the Household				
Tolerance Period	Necessity			
	Somewhat High	High	Especially High	
Short	-	Convenience Store	Bank, Post Office, Stores selling food and other daily goods.	
Medium	Clinics	Railways Stations	Hospitals	
Long	-	-	Large Shopping Centers, Long-term Medical Facilities	
More than one hour	-	-	-	
2. Necessary Facilities to Households with Children under the age of 15 (Excl. the Facilities mentioned in 1)				
Tolerance Period	Necessity			
	Somewhat High	High	Especially High	
Short	Kindergartens, Nursery Schools	-	Elementary Schools, Junior High Schools	
Medium	-	Parks	City Halls	
Long	-	High Schools	Workplaces	
More than one hour	Cultural Facilities, Department Stores, Universities and Vocational Schools, Libraries and Recreational Facilities	-	-	
3. Necessary Facilities to Households with Elderly over the age of 65 (Excl. the Facilities mentioned in 1)				
Tolerance Period	Necessity			
	Somewhat High	High	Especially High	
Short	-	-	-	
Medium	-	-	-	
Long	-	-	-	
More than one hour	-	-	-	
Necessary Facilities to Households with Elderly was not extracted.				

Fig. 2 Needs for facilities by household structure