



Anxiety About Post-Disaster Living Conditions and Demands for Responses to Problems



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Introduction

◆Background

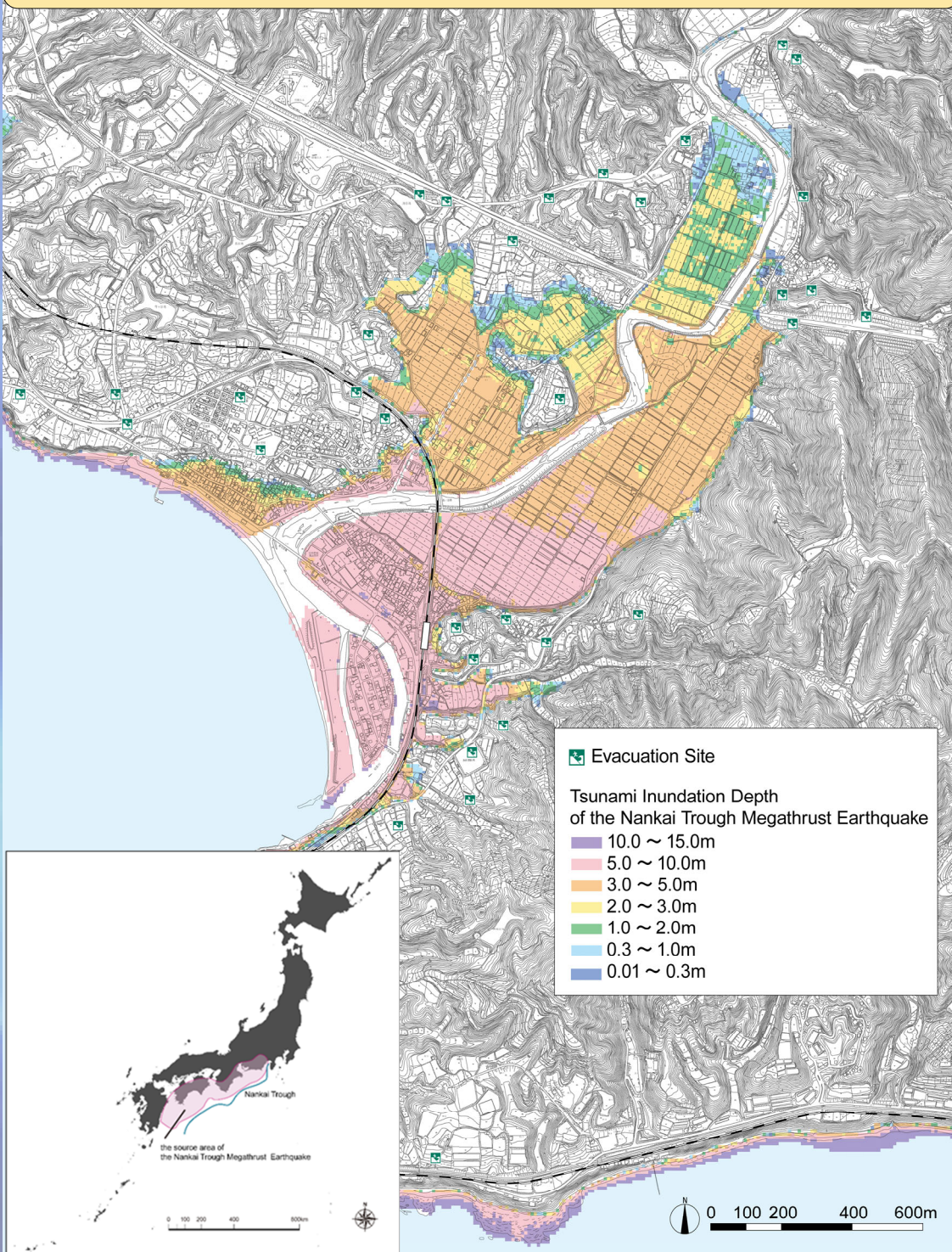
In temporary shelters, since resources for daily life are restricted in the severe situation, survivors face various problems. Following massive natural disaster, people in the area may not have sufficient food due to the limit of food materials and these problems also may cause health problems. Common life and places in shelters can cause sanitation and infection problems. Responses to safety and considerations for vulnerable people and women are also large issues in sheltering. Therefore, cooperation and interactive activities in communities are crucial for efficient responses.

◆The purpose of this study:

This study illustrates the relationship between residents' anxiety about their post-disaster living conditions and demand for responding to their problems and taking the measures.

We also examine effective disaster response activities. In the analysis, we focus on factors of the anxiety about living conditions and demand for responding to problems, as well as appearing the perceptions of individual items of the anxiety and demand.

Research Area



Data Collection

To depict the relationship between the anxiety and demand for living conditions and responses after the Nankai Trough Earthquake, a questionnaire survey was conducted for the residents in the research area, between September 12 and October 17, 2022.

We asked to distribute basically two questionnaires for each of all 640 households in the research area through board members in neighborhood associations in Kirime area, and the actual number of the distribution for each household was entrusted to each board member.

The completed questionnaires were returned to Inami local government through these board members. The number of valid responses in this study was 724. In the questionnaire, we asked the respondents to assume the situation after the Nankai Trough Earthquake.

Each question item of the anxiety was measured on five-point Likert-type scales ranging from 1="I am not anxiety at all" to 5="I am anxiety very much."

For each question item of the demand, five-point Likert-type scales ranging from 1="I do not think at all" to 5="I think very much" were also used in this study.

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Question Items and Measured Results

Question Items of the Anxiety About Living Conditions During Disaster	mean	S.D.	Question items of the Demand for Responding to the Problems	mean	S.D.
a01_To be unable to sleep comfortably due to a narrow sleeping space	4.04	0.97	d01_It is crucial to cooperate closely with municipal governments responding to disasters.	4.30	0.76
a02_To be unable to sleep calmly due to feeling surrounding noises.	3.96	0.99	d02_In order to prevent infectious diseases in co-living spaces, it is essential to require disinfect thoroughly to residents whenever they enter the communal spaces.	4.19	0.84
a03_To live with people other than your family members in a narrow space	3.99	0.98	d03_It is vital to be able to take counsel from health experts in the aftermath of the disaster.	4.11	0.78
a04_To lose your motivation due to mental damage	3.84	0.98	d04_When we run out of the medicine used on a daily basis, we would like to immediately procure it.	4.45	0.75
a05_To be unable to take bath	4.20	0.90	d05_When our area is isolated due to the disruption of roads, we should be able to reach any hospital even if we use a helicopter or other transportation method.	4.13	0.92
a06_To be unable to obtain regular medicine(s) taken in a daily basis	3.97	1.15	d06_In order to overcome the disaster environment, it is crucial to cooperate with other areas.	4.17	0.82
a07_To cause the problem(s) of your body and activities due to being unable to use your home's equipment	3.44	1.10	d07_When our mind becomes unstable due to the disaster, we would like to receive mental health care.	4.00	0.80
a08_To be unable to receive support(s) to your district from local government	3.99	0.99	d08_In the evacuation shelter, we would like to be considered not to be seen sleeping face by others.	3.97	0.97
a09_To be unable to inform the problem(s) of post-disaster living conditions to local government	3.70	1.01	d09_It is necessary that the space for changing clothes is separated from common spaces where everyone is in.	4.10	0.80
a10_To be unable to receive regular medical and social care services	3.82	1.01	d10_In common places where residents temporarily live in, toilet spaces should be separated for men and women.	4.58	0.68
a11_To be insufficiently accepted minority opinions and intentions during living in damaged conditions	3.73	0.85	d12_It is needed that underwear is put in a place where it cannot be seen by others.	4.08	0.80
a12_To cause inconvenience to people around you due to your health harmed	3.88	0.96	d13_When foods and dairy commodities are distributed to households, it is necessary to ensure that feminine hygiene products are received in a different way.	3.95	0.88
a13_To be unable to take nutritious meals	3.56	0.99	d14_In the evacuation shelter, it is critical to make women-only spaces.	3.92	0.85
a14_To be unable to efficient response activities due to insufficient cooperation with other districts	3.60	0.91	d15_In common spaces, we would like to clean the area every day to maintain the sanitary environment.	4.22	0.73
a15_To be the person(s) that may behave violently due to the stress in severe conditions	3.82	0.97	d16_It is necessary to be able to receive welfare expertise care even in the affected environment.	4.01	0.79
a16_To be difficult to control person(s) who are disruptive to people around them	3.92	0.90	d17_It is vital to make a system in the cooperation with residents that can support people requiring assistance during the disaster.	4.24	0.70
a17_To be considered insufficiently for women when living conditions are adjusted	3.81	0.86	d18_It is necessary to keep a wide distance between men and women during sleeping time in the shelter.	4.19	0.78
a18_To be unable to sufficiently provide adequate supports for children	3.95	0.87	d19_It is important to set up toilets and toilet spaces that do not burden physicals.	4.41	0.67
a19_To harm your health due to infectious disease	4.36	0.83	d20_We would like to be able to take appropriate meals for me and my family members.	3.53	1.06
a20_To be harmed your health in the affected environment	4.03	0.98	d21_Meals according to individual conditions should be provided.	3.49	0.92
a21_To cause physical problems due to sleeping in an unfamiliar place	3.97	1.03	d22_We would like to have a space that only I and my family members are available even in the evacuation shelter.	3.85	0.95
a22_To be unable to have chit-chat in a relaxed state	3.37	1.05	d23_It is crucial to adjust the living environment with consideration for minor demands and intentions for disaster responses.	3.80	0.85
a23_To be unable to have appropriate meals that suit you and your family members	3.80	1.01	d24_We would like to take hot meals even in the affected conditions.	4.00	0.87
a24_To be unable to use tap water due to water supply damage	4.59	0.72	d25_It is necessary to keep a particular space for those who need special care during the disaster.	4.20	0.76
a25_To be unsanitary conditions of the toilet room in the evacuation shelter	4.36	0.80	d26_Both men and women should be involved in the decision-making of the regional disaster response.	4.23	0.77
a26_To be poor sanitary conditions due to being unable to clean rooms	4.06	0.88	d27_For the disaster response, it is critical to obtain necessary materials from other areas.	4.29	0.68
a27_To live in poor condition due to being unable to use electricity supply	4.40	0.82	d28_Even in the disaster living environment, it is important to keep a space which children are able to play in.	3.91	0.81
a28_To continue possibly to live in outdoor spaces	4.08	0.97	d29_To respond to the affected environment, it is important to communicate actively with unfamiliar people.	3.87	0.79
a29_To insufficiently keep privacy in toilet space	4.15	0.94	d30_Residents in Kirime area need to implement the disaster responses by ourselves without relying on municipal governments if we can do it.	3.64	0.98
a30_To sleep with other-gender people in a same space	3.80	0.99			
a31_To live together with people whom you do not know each other	3.64	1.08			
a32_To be the difficulty of changing clothes due to the lack of the space	3.42	1.12			
a33_To be unable to sufficiently cooperate activities among other districts	3.47	0.95			
a34_To be unable to divide roles well for disaster responses within the area	3.40	1.02			
a35_To be unable to obtain necessary materials for your life	4.14	0.98			

