## Importance of Collaboration With Multiple Areas in Providing Medical and Welfare Supports

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#### Background

After disasters, ongoing medical and welfare support for residents living in the disaster environment is required, as well as emergency medical care for injured residents.

It is important to consider not only continued support for residents receiving medical and welfare support, but also support responses for residents whose health condition deteriorates after disaster in advance.

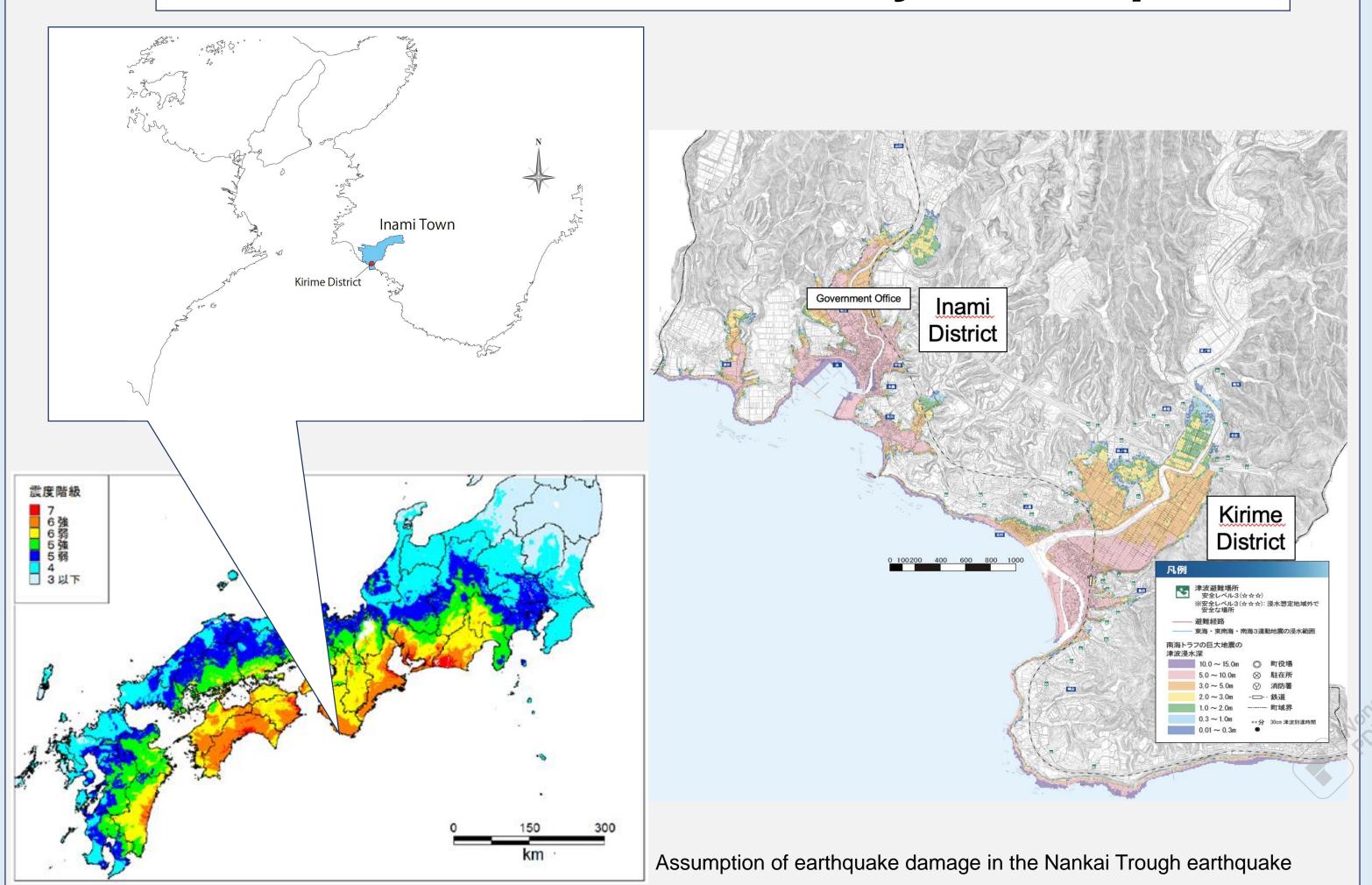
#### Purpose

To structurally understand the relationship between residents' attributes, the anxiety and intent to access medical care and welfare service after disaster.

\*Respondent attributes: age, gender, elderly person(s), person(s) requiring special care, hospital visit, regular medication, and welfare care service

#### **Survey Area**

### Kirime, Inami town, Wakayama, Japan



#### Method

We conducted a survey for residents' of Kirime district between September 12 and October 17, 2022. We distributed two questionnaires to each of the 640 households in Kirime district and received 723 valid responses. We used path analysis to analyze the data.

#### Result

Question: The earthquake and tsunami would cause Kirime to lose electricity and water service. How worried would you be if you had to continue living in Kirime for about 10 days because of the loss of electricity and water supply and the destruction of roads due to the quake and tsunami?

#### Items about the anxiety

		average	Standard deviation
a_1	You might deteriorate physical condition	4.02	0.98
a_2	You will not be able to receive medical care or welfare support	3.82	1.02
a_3	Not receiving support from government agencies for your district	4.00	0.99
a_4	Your poor health might cause inconvenience	3.89	0.96
a_5	You could not get the regular medications	3.98	1.15
a_6	Your health is compromised by the infection	4.37	0.83
a_7 equ	Physical or behavioral difficulties due to inability to use lipment at home	3.45	1.09

#### Items about intent of continuing support

	average	Standard deviation
b_1 If the roads are disrupted, you should be able to reach the hospital, even if you have to secure a helicopter or other special means of transportation	4.12	0.94
b_2 Even in the midst of the disaster, you should be able to talk to someone with health-related expertise	4.10	0.78
b_3 If you run out of a medicine you use on a daily basis, you want to procure it immediately	4.44	0.75
b_4 You want access to welfare support	4.02	0.78

#### Acknowlogement

We would like to thank the Inami Town Office for conducting the survey of residents in the Kirime area of Inami Town and all the residents who cooperated in distributing and filling out the survey forms.

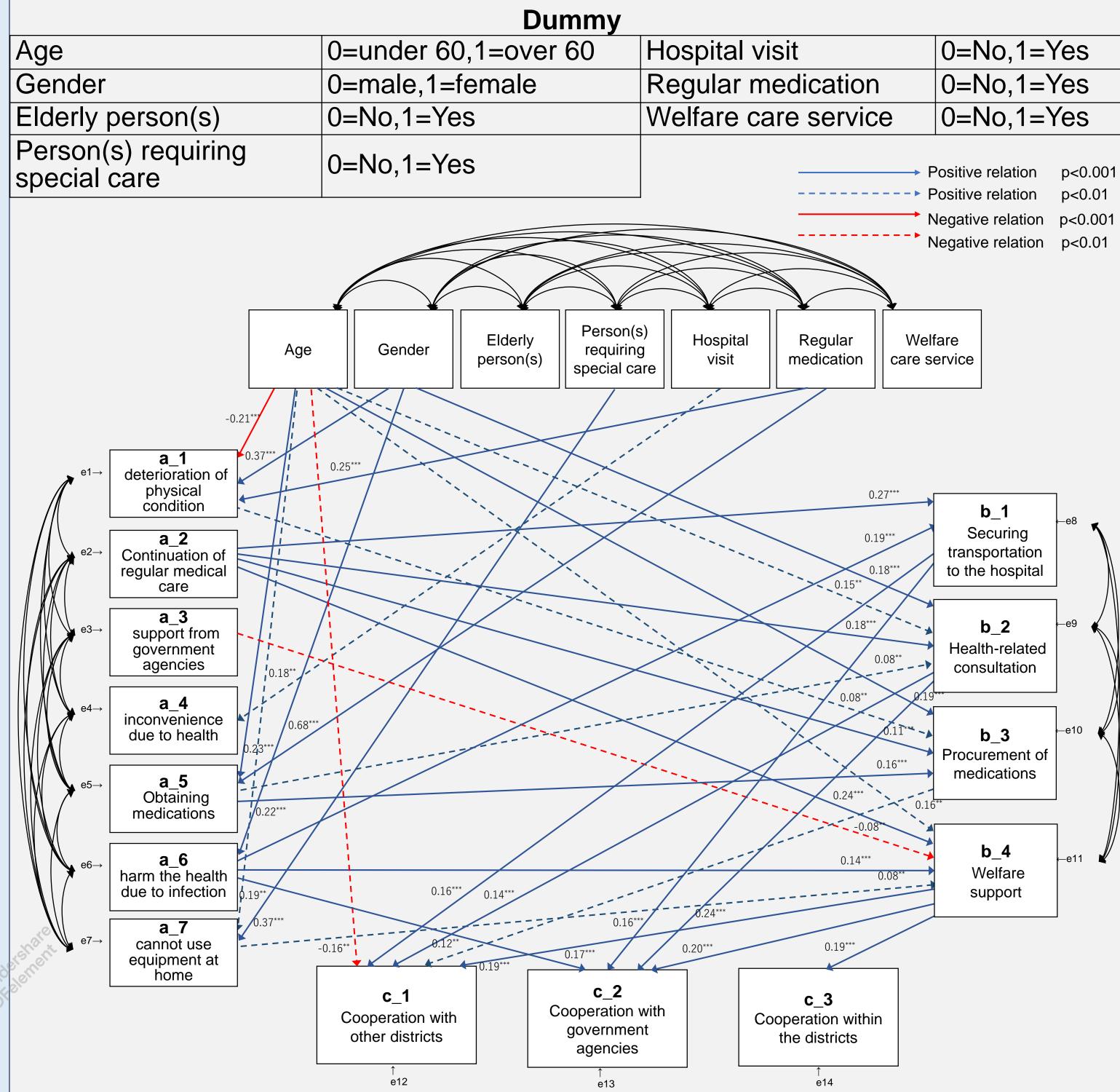
# Items about intent of collaboration average Standard deviation c\_1 It is important to work with other districts 4.17 0.83

c\_2 We would like to see close cooperation with government agencies involved in disaster response

c\_3 We would like to build a system in which district residents can work together to provide support for those in need

4.30

0.76



Results of analysis by path analysis

Neither [Elderly person(s)]nor[Hospital Visit]was determinant of the perception of feeling of anxiety or intention of measures.
 However, in the Great East Japan Earthquake, about 90% of disaster-related deaths were among the elderly

Previous disasters have presented challenges in providing ongoing support for those in need of disaster relief and nursing care services, and there is a need to examine the challenges of providing care for the elderly and those in need of disaster relief.

medical care",a\_5 "Obtaining medications" were determinants of b\_3"Procurement of medications"

· [age] ,a\_1"deterioration of physical condition",a\_2"Continuation of regular

In addition to procuring chronically taken medicines, medicines are required as needed in response to changes in physical condition after a disaster.

• There is a negative relationship between b\_4" Welfare support" and a\_3"support from government agencies"

from the government agencies

"Collaboration with other districts"

It is important to consider building a system that can provide welfare support within the community in addition to public support from government agencies

→ Tend to consider it difficult to receive welfare support without assistance

All of the intent of continuing support was determinant of item c\_1

People believe that collaboration among districts is necessary to continue of medical, health, and welfare support

#### Conclusion

- In addition to developing a plan to ensure that residents who continue to live in the affected environment do not become physically ill, it is also necessary to envision how to deal with residents whose physical condition deteriorates.
- The plan for <u>cooperation between districts</u> should be considered and drills should be conducted.

#### References

- 1) Inami Town Disaster Prevention Council, Inami Town Regional Disaster Prevention Plan, 2019
- 2) Japan Meteorological Agency, Damage assumption of Nankai Trough megathrust earthquake,2013
   3) Reconstruction Agency, In the Great East Japan Earthquake reports of earthquake-related deaths,2012