

## Introduction

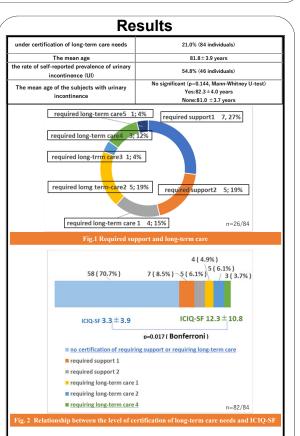
Background In Japan, the percentage of the elderly population, which is a super-aging society, is 27.7%. The mean life expectancy of women and men is 87.14 and 80.98 years. respectively, and is expected to reach 91.35 and 84.95 years, respectively in 2065 [1]. 1960 1980 2000 Country name 1 1940 ars Korea 2000 18wan 2018 Singapor 1999 20years 2019 2001 24years 20 China Germany ited Kini 075 America 2014 Sweden 1972 on an Aging Society (Full Version) from rng [1] summent: National Institute of Population and Social Security Research "Demographic Statistics" (2018) (b) Based on UN, The Aging of Population and Its Economic adSocial Implications (Population Studies, No. 26, 1956) ore 1950, Demographic Yearbook, and UN, World Population Prospects: The 2017 Revision (moderatie-range feetion from 1950 onward. However, for Japan, it is based on the "National Census" and "Population Projections" by Statistics Bureau, Ministry of Internat Affairs and Communications. Before 1950, it was the interpolation of estimated Ministry Distribution Affairs and Communications. Before 1950, it was the interpolation of estimated In such a super-aging society as Japan, the increase in healthy life expectancy has become an urgent issue. Properties of the elderly as a Long-te rm Care Insurance 2000-Law mechanism of mutual support by society as a whole, and maintain a community-based symbiotic society Reduction of middle-aged death, extens The first (2000-2012)

Healthy Japan 21 is being romoted based on the Health healthy lifespan and improvement of quality of rce[2] Second (2013-2022) Promotion Law tegrated community supp and service (integrated community care system) Enables elderly individuals to continue their accustomed way of living in the community up to their final stages of life are being promoted -2025 irce[3] Source: References[2][3][4 Purpose

In this study, we aimed to investigate the relationship between urinary incontinence (UI) and a level of certification of long-term care needs in community-dwelling old-elderly women in Northern Japan.

## Methods

Subjects	400 women aged ≥75 years and <90 years that were randomly selected from the Basic Resident Register of City A in Northern Japan.
Method	An anonymized self-administered questionnaire survey was performed. Four hundred individuals equivalates to 0.003% of the people of this age group in this region.
Definition	The existence of UI was defined as frequent UI when it occurred at least once a week according to the International Consultation on Incontinence Questionnaire-Short Form (ICIQ-SF). The Japanese version of the ICIQ-SF was validated by Gotoh et al [5].
Questionnaire	This questionnaire consisted of 19 items in the 2018 survey , such as characteristics , health conditions, past and present illness, family history, and the ICIQ-SF.
Analysis	The Mann-Whitney U test was used for comparison between groups with and without UI, and a level of certification of long-term care needs. IBM SPSS Statistics25 was used for analysis, and statistical significance was set at 5% level.
Ethical considerations	This study was approved by the ethical committee of ou own University.
Research fund	This work was supported by JSPS KAKENHI Grant Number JP17K09205.



There was a significant difference in the level of certification of long-term care needs and ICIQ-SF, it became evident that urinary incontinence is a symptom that has a notable effect on QOL. However, a high level of certification of long-term care needs does not necessarily mean that ICIQ-SF is high. The state corresponding to the physical condition of each individual subject needs to be identified.

## Conclusions

- 1. The ratio of women who complained of urinary incontinence based on the selfreporting of latter-stage elderly women living in Northern Japan, which is a super-aging society, was 54.8%.
- 2. A significant difference was observed between the level of certification of longterm care needs and ICIO-SF.

The limitations of this study include its low number of respondents and the possibility that there may have been individuals with serious bodily conditions, which was not considered in the study and may have affected the results.

References The Cabinet Office 2018 version of the Annual Report on the Aging Society https://wwwf.ecaa.go.jp./kourciv/shitegaper/w.2018/html/zmbmindex.html.Accessed on 2019.2.26.
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