

## Center for Gerontology and Social Science

Forty-eight original papers were published between January and March 2022 as follows.

### Department of Preventive Gerontology

- 1) Doi T, Tsutsumimoto K, Ishii H, Nakakubo S, Kurita S, Kiuchi Y, Nishimoto K, Shimada H.  
Impact of social frailty on the association between driving status and disability in older adults.  
Archives of Gerontology and Geriatrics, 99: 104597, Mar-Apr, 2022.
- 2) Kodama A, Kume Y, Lee S, Makizako H, Shimada H, Takahashi T, Ono T, Ota H.  
Impact of COVID-19 Pandemic Exacerbation of Depressive Symptoms for Social Frailty from the ORANGE Registry.  
International Journal of Environmental Research and Public Health, 19(2): 986, Jan, 2022.  
PLoS One, 16(6): e0252723, Jun 4, 2021.
- 3) Kume Y, Bae S, Lee S, Makizako H, Matsuzaki-Kihara Y, Miyano I, Kim H, Shimada H, Ota H.  
Association between Kihon check list score and geriatric depression among older adults from ORANGE registry.  
PLoS One, 16(6): e0252723, Jun 4, 2021.
- 4) Hayashi Y, Hato S, Shimada H.  
Correlates of improvement in the care need levels of older adults with disabilities: a two-year follow-up study.  
Journal of Physical Therapy Science, 33(6): 466-471, Jun, 2021.
- 5) Chiba I, Lee S, Bae S, Makino K, Shinkai Y, Katayama O, Harada K, Takayanagi N, Shimada H.  
Difference in sarcopenia characteristics associated with physical activity and disability incidences in older adults.  
Journal of Cachexia Sarcopenia and Muscle, 12(6): 1983-1994, Dec, 2021.
- 6) Makino K, Lee S, Bae S, Chiba I, Harada K, Katayama O, Shinkai Y, Shimada H.  
Absolute Cardiovascular Disease Risk Assessed in Old Age Predicts Disability and Mortality: A Retrospective Cohort Study of Community-Dwelling Older Adults.  
Journal of the American Heart Association, 10(24): e022004, Dec 21, 2021.
- 7) Fujita K, Umegaki H, Makino T, Uemura K, Hayashi T, Inoue A, Uno C, Kitada T, Huang CH, Shimada H, Kuzuya M.  
Short- and long-term effects of different exercise programs on the gait performance of older adults with subjective cognitive decline: A randomized controlled trial.  
Experimental Gerontology, 156: 111590, Dec, 2021.
- 8) Kume Y, Kodama A, Takahashi T, Lee S, Makizako H, Ono T, Shimada H, Ota H.  
Social frailty is independently associated with geriatric depression among older adults living in

northern Japan: A cross-sectional study of ORANGE registry.

Geriatrics & Gerontology International, 22(2): 145-151, Feb, 2022.

- 9) Shimada H, Lee S, Harada K, Bae S, Makino K, Chiba I, Katayama O, Arai H.  
Study protocol of a comprehensive activity promotion program for the prevention of dementia: A randomized controlled trial protocol.  
Journal of Prevention of Alzheimers Disease, 2022. 【Epub ahead of print】
- 10) Shimada H, Doi T, Lee S, Tsutsumimoto K, Bae S, Makino K, Nakakubo S, Arai H.  
Identification of Disability Risk in Addition to Slow Walking Speed in Older Adults.  
Gerontology: 1-10, 2021. 【Epub ahead of print】
- 11) Chiba I, Lee S, Bae S, Makino K, Shinkai Y, Katayama O, Harada K, Yamashiro Y, Takayanagi N, Shimada H.  
Isotemporal Substitution of Sedentary Behavior with Moderate- to Vigorous- Physical Activity Is Associated with Lower Risk of Disability: A Prospective Longitudinal Cohort Study.  
Physical Therapy & Rehabilitation Journal, 2022. 【Epub ahead of print】

### Department of Frailty Research

- 1) Kawahito Y, Morinobu A, Kaneko Y, Kohno M, Hirata S, Kishimoto M, Seto Y, Sugihara T, Tanaka E, Ito H, Kojima T, Matsushita I, Nishida K, Mori M, Murashima A, Yamanaka H, Nakayama T, Kojima M, Harigai M.  
Drug Treatment Algorithm and Recommendations from the 2020 update of the Japan College of Rheumatology Clinical Practice Guidelines for the Management of Rheumatoid Arthritis-Secondary Publication.  
Mod Rheumatol, Mar 16 2022. 【Epub ahead of print】
- 2) Ito H, Nishida K, Kojima T, Matsushita I, Kojima M, Hirata S, Kaneko Y, Kishimoto M, Kohno M, Mori M, Morinobu A, Murashima A, Seto Y, Sugihara T, Tanaka E, Nakayama T, Yamanaka H, Kawahito Y, Harigai M.  
Non-Drug and Surgical Treatment Algorithm and Recommendations for the 2020 Update of the Japan College of Rheumatology Clinical Practice Guidelines for the Management of Rheumatoid Arthritis - Secondary Publication.  
Mod Rheumatol, Mar 16 2022 . 【Epub ahead of print】
- 3) Yoshida M, Satake S, Ishida K, Tanaka Y, Ukai M.  
A non-interventional cross-sectional re-contact study investigating the relationship between overactive bladder and frailty in older adults in Japan.  
BMC Geriatrics 2022 Jan 21.
- 4) Kinoshita K, Otsuka R, Nishita Y, Tange C, Tomida M, Zhang S, Ando F, Shimokata H, Arai H.  
Breakfast Protein Quality and Muscle Strength in Japanese Older Adults: A Community-Based

Longitudinal Study.

Journal of the American Medical Directors Association, Jan 07 2022. 【Epub ahead of print】

### Department of Social Science

- 1) Wei-Ling C, Nishita Y, Akinori Nakamura A, Kato T, Nakagawa T, Shu Z, Shimokata H, Otsuka R, Kuan-Pin S, Arai H.  
Hemoglobin Concentration is Associated with the Hippocampal Volume in Community-Dwelling Adults.  
Archives of Gerontology and Geriatrics, Feb 2022. 【Epub ahead of print】
- 2) Nakagawa T, Nishita Y, Tange C, Tomida M, Otsuka R, Ando F, Shimokata H.  
Does positive affect predict mortality and morbidity? A 19-year longitudinal study of middle-aged and older Japanese adults.  
Journal of Research in Personality, Feb 2022. 【Epub ahead of print】
- 3) Noguchi T, Ishihara M, Murata C, Nakagawa T, Komatsu A, Kondo K, Saito T.  
Art and cultural activity engagement and depressive symptom onset among older adults: A longitudinal study from the Japanese Gerontological Evaluation Study.  
International Journal of Geriatric Psychiatry, Jan 29 2022.
- 4) Noguchi T, Nakagawa T, Komatsu A, Ishihara M, Shindo Y, Otani T, Saito T.  
Social functions and adverse outcome onset in older adults with mild long-term care needs: A two-year longitudinal study.  
Archives of Gerontology and Geriatrics, Jan 22 2022.
- 5) Nakagawa T, Noguchi T, Komatsu A, Ishihara M, Saito T.  
Aging-in-place preferences and institutionalization among Japanese older adults: a 7-year longitudinal study.  
BMC Geriatrics, Jan 21 2022.
- 6) Noguchi T, Kondo F, Nishiyama T, Otani T, Nakagawa-Senda H, Watanabe M, Imaeda N, Goto C, Hosono A, Shibata K, Kamishima H, Nogimura A, Nagaya K, Yamada T, Suzuki S.  
The Impact of Marital Transitions on Vegetable Intake in Middle-aged and Older Japanese Adults: A 5-year Longitudinal Study.  
Journal of Epidemiology, Feb 5 2022.
- 7) Tomida M, Nishita Y, Tange C, Nakagawa T, Otsuka R, Ando F, Shimokata H.  
Typology of Work–Family Balance Among Middle–Aged and Older Japanese Adults.  
Frontiers in Psychology, March 16 2022.

## Department of Gerontological Evaluation

- 1) Gero K, Yazawa A, Kondo N, Hanazato M, Kondo K, Kawachi I.  
Comparison of three indices of relative income deprivation in predicting health status.  
Social Science & Medicine, Available online 13 Jan  
2022,114722.<https://doi.org/10.1016/j.socscimed.2022.114722>.
- 2) Yazawa A, Aida J, Kondo K, Kawachi I.  
Gender differences in risk of posttraumatic stress symptoms after disaster among older people:  
Differential exposure or differential vulnerability?.  
Journal of Affective Disorders. 2022 Jan 15;297:447-454.
- 3) Fujihara S, Miyaguni Y, Tsuji T, Kondo K.  
Community-level social participation and functional disability among older adults: A JAGES  
multilevel longitudinal study.  
Archives of Gerontology and Geriatrics. 2022 Jan 24;  
100.104632.[doi.org/10.1016/j.archger.2022.104632](https://doi.org/10.1016/j.archger.2022.104632)
- 4) Yazawa A, Shiba K, Inoue Y, Okuzono S, Inoue K, Kondo N, Kondo K, Kawachi I.  
Early childhood adversity and late-life depressive symptoms: unpacking mediation and interaction  
by adult socioeconomic status.  
Soc Psychiatry Psychiatr Epidemiol, 2022 Feb 1  
[doi:10.1007/s00127-022-02241-x](https://doi.org/10.1007/s00127-022-02241-x).
- 5) Ikeda T, Cooray U, Hariyama M, Aida J, Kondo K, Murakami M, Osaka K.  
An Interpretable Machine Learning Approach to Predict Fall Risk Among Community-Dwelling  
Older Adults: a Three-Year Longitudinal Study.  
J Gen Intern Med, 2022 Feb 2 [10.1007/s11606-022-07394-8](https://doi.org/10.1007/s11606-022-07394-8).
- 6) Okuzono S, Shiba K, Kim E, Shirai K, Kondo N, Fujiwara T, Kondo K, Lomas T, Trudel-Fitzgerald  
C, Kawachi I, Tyler J.VanderWeele.  
Ikigai and subsequent health and wellbeing among Japanese older adults: Longitudinal outcome-  
wide analysis.  
Lancet Reg Health West Pac. **【Epub ahead of print】**
- 7) Koga C, Tsuji T, Hanazato M, Takasugi T, Kondo K.  
Types of Elder Abuse and Dementia Onset among Older Adults in Japan: A 6-year Longitudinal  
Study from the Japan Gerontological Evaluation Study.  
Archives of Gerontology and Geriatrics. 2022 Feb 9 ; 100 :  
104656.[doi.org/10.1016/j.archger.2022.104656](https://doi.org/10.1016/j.archger.2022.104656).
- 8) Haseda M, Takagi D, Stickley A, Kondo K, Kondo N.  
Effectiveness of a community organizing intervention on mortality and its equity among older  
residents in Japan: A JAGES quasi-experimental study.

- Health & Place, 2022 Mar; 74:102764. doi: 10.1016/j.healthplace.2022.102764. Epub 2022 Feb 10.
- 9) Fuji Y, Sakaniwa R, Shirai K, Saito T, Ukawa S, Iso H, Kondo K.  
The number of leisure-time activities and risk of functional disability among Japanese older population: the JAGES cohort.  
Prev Med Rep, 2022 Feb 19; 26:101741. doi: 10.1016/j.pmedr.2022.101741.
  - 10) Noguchi T, Ishihara M, Murata C, Nakagawa T, Komatsu A, Kondo K, Saito T.  
Art and cultural activity engagement and depressive symptom onset among older adults: A longitudinal study from the Japanese Gerontological Evaluation Study.  
International Journal of Geriatric Psychiatry. 2022 Mar; 37(3). Doi: 10.1002/gps.5685.
  - 11) Kusama T, Kiuchi S, Tani Y, Aida J, Kondo K, Osaka K. (duplicate listing)  
The lack of opportunity to eat together is associated with an increased risk of weight loss among independent older adults: a prospective cohort study based on the JAGES.  
Age Ageing. 2022 Mar 1; 51(3):afac022. doi: 10.1093/ageing/afac022.
  - 12) Nakazawa N, Kusama T, Cooray U, Yamamoto T, Kiuchi S, Abbas H, Yamamoto T, Kondo K, Osaka K, Aida J.  
Large contribution of oral status for death among modifiable risk factors in older adults: the JAGES prospective cohort study.  
The Journals of Gerontology: Series A. 2022 Mar 1; glac052. doi.org/10.1093/gerona/glac052.
  - 13) Okuzono S, Shiba K, Lee H.H, Shirai K, Koga H, Kondo N, Fujiwara T, Kondo K, Grodstein F, Kubzansky L, Fitzgerald C.T.  
Optimism and Longevity Among Japanese Older Adults.  
J Happiness Stud. 2022 Mar 11. doi: 10.1007/s10902-022-00511-8.
  - 14) Nakagomi A, Shiba K, Kawachi I, Ide K, Nagamine Y, Kondo N, Haazato M, Kondo K.  
Internet use and subsequent health and well-being in older adults: An outcome-wide analysis.  
Computers in Human Behavior. Volume 130, May 2022, 107156.

### Department of Epidemiology of Aging

- 1) Kinoshita K, Otsuka R, Nishita Y, Tange C, Tomida M, Zhang S, Ando F, Shimokata H, Arai H.  
Breakfast protein quality and muscle strength in Japanese older adults: A community-based longitudinal study.  
JAMDA, Jan 17 2022. [Epub ahead of print] (duplicate listing)
- 2) Nakagawa T, Nishita Y, Tange C, Tomida M, Otsuka R, Ando F, Shimokata H.  
Does positive affect predict mortality and morbidity? A 19-year longitudinal study of middle-aged and older Japanese adults.  
J Res Pers, Feb 9 2022. [Epub ahead of print] (duplicate listing)
- 3) Chen WL, Nishita Y, Nakamura A, Kato T, Nakagawa T, Zhang S, Shimokata H, Otsuka R, Su KP,

Arai H.

Hemoglobin concentration is associated with the hippocampal volume in community-dwelling adults.

Arch Gerontol Geriatr, Feb 26 2022. 【Epub ahead of print】 (duplicate listing)

- 4) Zhang S, Otsuka R, Nishita Y, Shimokata H, Arai H.

Twenty-year prospective cohort study of the association between gait speed and incident disability: The NLS-LSA project.

Geriatr Gerontol Int, Mar 2022.

- 5) Tomida M, Nishita Y, Tange C, Nakagawa T, Otsuka R, Ando E, Shimokata H.

Typology of work–family balance among middle–aged and older Japanese adults.

Front Psychol, Mar 16 2022. (duplicate listing)