

## Center for Gerontology and Social Science

Forty-eight original papers were published between October and December 2021 as follows.

### Department of Preventive Gerontology

- 1) Makino K, Lee S, Bae S, Chiba I, Harada K, Katayama O, Shinkai Y, Shimada H.  
Development and validation of new screening tool for predicting dementia risk in community-dwelling older Japanese adults.  
Journal of Translational Medicine, 19(1): 448, 2021.
- 2) Makino K, Lee S, Bae S, Chiba I, Harada K, Katayama O, Tomida K, Morikawa M, Shimada H.  
Simplified Decision-Tree Algorithm to Predict Falls for Community-Dwelling Older Adults.  
Journal of Clinical Medicine, 10(21): 5184, 2021.
- 3) Chung CP, Lee WJ, Peng LN, Shimada H, Tsai TF, Lin CP, Arai H, Chen LK.  
Physio-Cognitive Decline Syndrome as the Phenotype and Treatment Target of Unhealthy Aging.  
Journal of Nutrition Health & Aging, 25(10): 1179-1189, 2021.
- 4) Katayama O, Lee S, Bae S, Makino K, Chiba I, Harada K, Morikawa M, Tomida K, Shimada H.  
Are non-face-to-face interactions an effective strategy for maintaining mental and physical health? .  
Archives of Gerontology and Geriatrics, 98: 104560, 2021. 【Epub ahead of print】
- 5) Doi T, Tsutsumimoto K, Nakakubo S, Kurita S, Ishii H, Shimada H.  
Associations Between Active Mobility Index and Disability.  
Journal of the American Medical Directors Association, 2021. 【Epub ahead of print】
- 6) Katayama O, Lee S, Bae S, Makino K, Chiba I, Harada K, Morikawa M, Tomida K, Shimada H.  
Association between Non-Face-to-Face Interactions and Incident Disability in Older Adults.  
Journal of Nutrition Health & Aging, 2021. 【Epub ahead of print】
- 7) Wada A, Makizako H, Nakai Y, Tomioka K, Taniguchi Y, Sato N, Kiuchi Y, Kiyama R, Kubozono T, Takenaka T, Ohishi M.  
Association between cognitive frailty and higher-level competence among community-dwelling older adults.  
Archives of Gerontology and Geriatrics, 2021. 【Epub ahead of print】

### Department of Frailty Research

- 1) Nishikimi A, Watanabe K, Watanabe A, Yasuoka M, Watanabe R, Oshima H, Kitagawa Y, Tokuda H, Niida S, Kojima M.  
Prevalence of SARS-CoV-2 antibodies after one-year follow up among workers in a research institute in Japan.  
JOURNAL OF INFECTION, Oct 30 2021.

- 2) Yasuoka M, Kojima T, Waguri-Nagaya Y, Saito T, Takahashi N, Asai S, Sobue Y, Nishiume T, Suzuki M, Mitsui H, Kawaguchi Y, Kuroyanagi G, Kamiji K, Watanabe M, Suzuki S, Kondo K, Ojima T, Kojima M.  
Impact of social support on severity of depressive symptoms by remission status in patients with rheumatoid arthritis.  
Mod Rheumatol, Aug 12 2021. 【Epub ahead of print】
- 3) Komiya H, Umegaki H, Ogama N, Sakurai T, Kuzuya M.  
Relationships between overactive bladder and cerebral white matter hyperintensity in outpatients at a memory clinic.  
Geriatrics & Gerontology International. 2021 Sep 20. 【Epub ahead of print】
- 4) Inoue T, Maeda K, Satake S, Matsui Y, Arai H.  
Osteosarcopenia, the co-existence of osteoporosis and sarcopenia, is associated with social frailty in older adults.  
Aging Clin Exp Res. 2021 Sep 7;1-9. 【Epub ahead of print】
- 5) Inoue T, Shimizu A, Satake S, Matsui Y, Ueshima J, Murotani K, Arai H, Maeda K.  
Association between osteosarcopenia and cognitive frailty in older outpatients visiting a frailty clinic.  
Archives of Gerontology and Geriatrics, 2021 Sep 17. 【Epub ahead of print】
- 6) Huang CH, Okada K, Matsushita E, Uno C, Satake S, Martins BA, Kuzuya M  
The association of social frailty with intrinsic capacity in community-dwelling older adults: a prospective cohort study.  
BMC Geriatr. 2021 Sep 27.
- 7) Ogama N, Endo H, Satake S, Niida S, Arai H, Sakurai T.  
Impact of Regional White Matter Hyperintensities on Specific Gait Function in Alzheimer's Disease and Mild Cognitive Impairment.  
Journal of Cachexia, Sarcopenia and Muscle. 【Epub ahead of print】
- 8) Otsuka R, Zhang S, Tange C, Nishita Y, Tomida M, Kinoshita K, Kato Y, Ando F, Shimokata H, Arai H  
Association of Dietary Intake with the Transitions of Frailty among Japanese Community-Dwelling Older Adults.  
Journal of Frailty & Aging. 2021 Oct 07. 【Epub ahead of print】
- 9) Kinoshita K, Satake S, Arai H.  
Impact of Frailty on Dietary Habits among the Community-Dwelling Older Persons during the COVID-19 Pandemic.  
Journal of Frailty & Aging. 2021 Nov 23. 【Epub ahead of print】

## Department of Social Science

- 1) Saito T, Nishita Y, Tange C, Nakagawa T, Tomida M, Otsuka R, Ando F, Shimokata H, Arai H.  
Association between intra-individual changes in social network diversity and global cognition in older adults: Does closeness to network members make a difference?  
Journal of Psychosomatic Research, Oct 2021.
- 2) Kubo Y, Noguchi T, Hayashi T, Tomiyama N, Ochi A, Hayashi H.  
Changes in psychosocial factors among community-dwelling older adults before and after Japan's declaration of a state of emergency over coronavirus disease 2019.  
Psychogeriatrics, Oct 27 2021.
- 3) Hayashi T, Noguchi T, Kubo Y, Tomiyama N, Ochi A, Hayashi H.  
Social frailty and Depressive Symptoms during the COVID-19 Pandemic among Older Adults in Japan: Role of Home Exercise Habits.  
Archives of Gerontology and Geriatrics, Oct 27 2021
- 4) Ikeda T, Cable N, Saito M, Koyama S, Tsuji T, Noguchi T, Kondo K, Osaka K, Aida J.  
Association Between Social Isolation and Smoking in Japan and England .  
Journal of Epidemiology, Oct 5 2021
- 5) Yasuoka M, Kojima T, Waguri-Nagaya Y, Saito T, Takahashi N, Asai S, Sobue Y, Nishiume T, Suzuki M, Mitsui H, Kawaguchi Y, Kuroyanagi G, Kamiji K, Watanabe M, Suzuki S, Kondo K, Ojima T, Kojima M.  
Impact of social support on severity of depressive symptoms by remission status in patients with rheumatoid arthritis.  
Modern Rheumatology. 【Epub ahead of print】 (duplicate listing)

## Department of Gerontological Evaluation

- 1) Yasuoka M, Kojima T, Waguri-Nagaya Y, Saito T, Takahashi N, Asai S, Sobue Y, Nishiume T, Suzuki M, Mitsui H, Kawaguchi Y, Kuroyanagi G, Kamiji K, Watanabe M, Suzuki S, Kondo K, Ojima T, Kojima M.  
Impact of social support on severity of depressive symptoms by remission status in patients with rheumatoid arthritis.  
Mod Rheumatol. 2021 Aug 12;roab001. doi: 10.1093/mr/roab001. 【Epub ahead of print】  
(duplicate listing)
- 2) Shiba K, Adel Daoud, Hikichi H, Yazawa A, Aida J, Kondo K, Kawachi I.  
Heterogeneity in cognitive disability after a major disaster: A natural experiment study.  
Science Advances. 2021 Oct;7(40):eabj2610. doi: 10.1126/sciadv.abj2610.
- 3) Abbas H, Aida J, Kiuchi S, Kondo K, Osaka K.  
Oral status and homebound status: A 6-year bidirectional exploratory prospective cohort study.

- Oral Diseases. 2021 Oct 3. doi:10.1111/odi.14039. 【Epub ahead of print】
- 4) Kinugawa A, Kusama T, Yamamoto T, Kiuchi S, Nakazawa N, Kondo K, Osaka K, Aida J.  
Association of poor dental status with eating alone: A cross-sectional Japan gerontological evaluation study among independent older adults.  
Appetite. 2021 Oct 4. doi: 10.1016/j.appet.2021.105732. 【Epub ahead of print】
  - 5) Sugita A, Ling Ling, Tsuji T, Kondo K, Kawachi I.  
Cultural Engagement and Incidence of Cognitive Impairment: A 6-year Longitudinal Follow-up of the Japan Gerontological Evaluation Study (JAGES).  
Journal of Epidemiology 2021 Oct 5;31(10):545-553. doi:10.2188/jea.JE20190337.
  - 6) Takesue A, Hiratsuka Y, Inoue A, Kondo K, Murakami A, Aida J.  
Is social participation associated with good self-rated health among visually impaired older adults?: the JAGES cross-sectional study.  
BMC Geriatrics. 2021 Oct 23;21(1):592.
  - 7) 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?.  
J Affect Disord. 2021 Oct 26. doi: 10.1016/j.jad.2021.10.094. 【Epub ahead of print】
  - 8) Sato K, Kondo N, Hanazato M, Tsuji T, Kondo K.  
Potential causal effect of physical activity on reducing the risk of dementia: a 6-year cohort study from the Japan Gerontological Evaluation Study.  
International Journal of Behavioral Nutrition and Physical Activity. 2021 Oct 29;18(1):140.
  - 9) Kato H, Goto R, Tsuji T, Kondo K.  
The effects of patient cost-sharing on health expenditure and health among older people: Heterogeneity across income groups.  
The European Journal of Health Economics. 2021 Nov 15. doi.org/10.1007/s10198-021-01399-6.  
【Epub ahead of print】
  - 10) Kiuchi S, Cooray U, Kusama T, Yamamoto T, H Abbas, Nakazawa N, Kondo K, Osaka K, Aida J.  
Oral Status and Dementia Onset: Mediation of Nutritional and Social Factors.  
Journal of Dental Research. 2021 Nov 19;220345211049399. doi:10.1177/00220345211049399.
  - 11) Takasugi T, Tsuji T, Hanazato M, Miyaguni Y, Ojima T, Kondo K.  
Community-level educational attainment and dementia: a 6-year longitudinal multilevel study in Japan.  
BMC Geriatr. 2021 Dec 15;21(1):709. doi: 10.1186/s12877-021-02668-y.

#### Department of Epidemiology of Aging

- 1) Otsuka R, Zhang S, Tange C, Nishita Y, Tomida M, Kinoshita K, Kato Y, Ando F, Shimokata H, Arai H.

Association of dietary intake with the transitions of frailty among Japanese community-dwelling older adults.

J Frailty Aging, Oct 7 2021. 【Epub ahead of print】 (duplicate listing)

- 2) Sugiura S, Nishita Y, Uchida Y, Shimono M, Suzuki H, Teranishi M, Nakashima T, Tange C, Otsuka R, Ando F, Shimokata H.

Longitudinal associations between hearing aid usage and cognition in community-dwelling Japanese older adults with moderate hearing loss.

PLoS One, Oct 13 2021.

- 3) Saito T, Nishita Y, Tange C, Nakagawa T, Tomida M, Otsuka R, Ando F, Shimokata H, Arai H.

Association between intra-individual changes in social network diversity and global cognition in older adults: Does closeness to network members make a difference?.

J Psychosom Res, Dec 2021. (duplicate listing)