

Center for Gerontology and Social Science

Forty-eight original papers were published between April and June 2022 as follows.

Department of Preventive Gerontology

- 1) Akaida S, Nakai Y, Shiratsuchi D, Tomioka K, Taniguchi Y, Sato N, Wada A, Kiuchi Y, Shono S, Shiiba R, Tateishi M, Makizako H.
Association of self-rated health with type and frequency of social interaction during the declaration of COVID-19 state of emergency among Japanese community-dwelling oldest-old adults.
Geriatrics & Gerontology International, 22(5): 405-411, May, 2022.
- 2) Song Z, Park HJ, Thapa N, Yang JG, Harada K, Lee S, Shimada H, Park H, Park BK.
Carrying Position-Independent Ensemble Machine Learning Step-Counting Algorithm for Smartphones.
Sensors (Basel), 22(10): 3736, May 13, 2022.
- 3) Morikawa M, Maeda N, Komiya M, Kobayashi T, Urabe Y.
The effect of two types of ankle orthoses on the repetitive rebound jump performance.
BMC Sports Science, Medicine and Rehabilitation, 14(1): 88, May 16, 2022.
- 4) Maeda N, Ikuta Y, Tashiro T, Arima S, Morikawa M, Kaneda K, Ishihara H, Brand A, Nakasa T, Adachi N, Urabe Y.
Quantitative evaluation of the vertical mobility of the first tarsometatarsal joint during stance phase of gait.
Scientific Reports, 12(1): 9246, Jun 2, 2022.
- 5) Kurita S, Doi T, Tsutsumimoto K, Nakakubo S, Kiuchi Y, Nishimoto K, Shimada H.
Association between Active Mobility Index and sarcopenia among Japanese community-dwelling older adults
Journal of Cachexia, Sarcopenia and Muscle, 13(3): 1919-1926, Jun, 2022.
- 6) Takayanagi N, Sudo M, Yamashiro Y, Chiba I, Lee S, Niki Y, Shimada H
Predictivity of daily gait speed using tri-axial accelerometers for two-year incident disability among Japanese older adults.
Scientific Reports, 12(1): 10067, Jun 16, 2022.
- 7) Morikawa M, Lee S, Makino K, Bae S, Chiba I, Harada K, Tomida K, Katayama O, Shimada H.
Association of social isolation and smartphone use on cognitive functions.
Archives of Gerontology and Geriatrics, 101: 104706, 2022. 【Epub ahead of print】
- 8) Nishita Y, Makizako H, Jeong S, Otsuka R, Kim H, Obuchi S, Fujiwara Y, Ohara Y, Awata S,

- Yamada M, Iijima K, Shimada H, Suzuki T.
Temporal trends in cognitive function among community-dwelling older adults in Japan:
Findings from the ILSA-J integrated cohort study.
Archives of Gerontology and Geriatrics, 2022. 【Epub ahead of print】
- 9) Shimada H, Nitta J, Sasaki H, Watanabe T, Sakamoto T, Komoto S, Arai H.
Japan's Long-Term Care Issues: Construction and Adoption of the LIFE Database for
Establishing Evidence-Based Care Practice.
Journal of the American Medical Directors Association, 2022. 【Epub ahead of print】
- 10) Kato G, Doi T, Arai H, Shimada H
Cost-effectiveness Analysis of Combined Physical and Cognitive Exercises Programs Designed
for Preventing Dementia among Community-dwelling Healthy Young-old Adults.
Physical Therapy Research, 2022. 【Epub ahead of print】

Department of Frailty Research

- 1) Takeuchi H, Ide K, Watanabe R, Miyaguni Y, Kondo K.
Association between Increasing Social Capital and Decreasing Prevalence of Smoking at the
Municipality Level: Repeated Cross-Sectional Study from the JAGES.
Int. J. Environ. Res. Public Health, 2022 Apr 08.
- 2) Ide K, Jeong S, Tsuji T, Watanabe R, Miyaguni Y, Nakamura Y, Kimura M, Kondo K.
Suggesting Indicators of Age-Friendly City: Social Participation and Happiness, an Ecological
Study from the JAGES.
Int. J. Environ. Res. Public Health, 2022 Apr 22.
- 3) Tsuji T, Kanamori S, Watanabe R, Yokoyama M, Miyaguni Y, Saito M, Kondo K.
Types of sports and exercise group participation and sociopsychological health in older adults: a
3-year longitudinal study.
Med Sci Sports Exerc, May 2022 [Epub ahead of print].
- 4) Watanabe R, Kojima M, Yasuoka M, Kimura C, Kamiji K, Otani T, Tsujimura S, Fujita H,
Nogimura A, Ozeki S, Osawa A, Arai H.
Home-Based Frailty Prevention Program for Older Women Participants of Kayoi-No-Ba during
the COVID-19 Pandemic: A Feasibility Study.
Int. J. Environ. Res. Public Health, 2022 May 28.
- 5) Nishikimi A, Watanabe K, Watanabe A, Yasuoka M, Watanabe R, Fujiwara M, Oshima H,
Nakagawa T, Kitagawa Y, Tokuda H, Washimi Y, Niida S, Kojima M.
Immune responses to COVID-19 vaccine BNT162b2 in workers at a research institute in Japan:
6-month follow-up survey.
Journal of Infection., 2022 May 【Epub ahead of print】 .

- 6) Ishida Y, Maeda K, Inoue T, Satake S, Mori N.
Decreased Diversity of Gut Microbiota Is Associated with Decreased Muscle Mass and Function in Older Adults Residing in a Nursing Home.
J Nutr Health Aging, 2022.
- 7) Nogimura A, Noguchi T, Otani T, Kamiiji K, Yasuoka M, Watanabe R, Ojima T, Kondo K, Kojima M.
Chronic obstructive pulmonary disease and the mortality risk in male older adults: role of socioeconomic factors.
Archives of Gerontology and Geriatrics, Jun 1 2022.

Department of Social Science

- 1) Nishikimi A, Watanabe K, Watanabe A, Yasuoka M, Watanabe R, Fujiwara M, Oshima H, Nakagawa T, Kitagawa Y, Tokuda H, Washimi Y, Niida S, Kojima M.
Immune responses to COVID-19 vaccine BNT162b2 in workers at a research institute in Japan: 6-month follow-up survey. (duplicate listing)
Journal of Infection, May 20 2022.
- 2) Kubo Y, Noguchi T, Hayashi T, Tomiyama N, Ochi A, Hayashi H.
Eating alone and weight change in community-dwelling older adults during the coronavirus pandemic: a longitudinal study Nutrition.
Nutrition, May 11 2022.
- 3) Nogimura A, Noguchi T, Otani T, Kamiiji K, Yasuoka M, Watanabe R, Ojima T, Kondo K, Kojima M. (duplicate listing)
Chronic obstructive pulmonary disease and the mortality risk in male older adults: role of socioeconomic factors.
Archives of Gerontology and Geriatrics, Jun 1 2022.
- 4) Fuji Y, Sakaniwa R, Shirai K, Saito T, Ukawa S, Iso H, Kondo K.
The number of leisure-time activities and risk of functional limitations among older population: the JAGES cohort.
Preventive Medicine Reports, Apr 26 2022

Department of Epidemiology of Aging

- 1) Ihara S, Ide K, Kanamori S, Tsuji T, Kondo K, Iizuka G.
Social participation and change in walking time among older adults: a 3-year longitudinal study from the JAGES.
BMC Geriatr, 2022 Mar 22;22(1):238.
- 2) Inoue A, Hiratsuka Y, Takesue A, Aida J, Kondo K, Murakami A.

Association between visual status and the frequency of laughter in older Japanese individuals: the JAGES cross-sectional study.

BMJ Open Ophthalmol, 2022 Mar 23;7(1):e000908.

- 3) Tsuji T, Kanamori S, Yamakita M, Sato A, Yokoyama M, Miyaguni Y, Kondo K.
Correlates of engaging in sports and exercise volunteering among older adults in Japan.
Sci Rep, 2022 Mar 8;12(1):3791.
- 4) Sato K, Kondo N, Kondo K.
Pre-pandemic individual- and community-level social capital and depressive symptoms during COVID-19: A longitudinal study of Japanese older adults in 2019-21.
Health Place, 2022 Mar;74:102772.
- 5) Takeuchi H, Ide K, Watanabe R, Miyaguni Y, Kondo K.
Association between Increasing Social Capital and Decreasing Prevalence of Smoking at the Municipality Level: Repeated Cross-Sectional Study from the JAGES.
Int J Environ Res Public Health, 19(8):4472. 2022 Apr. (duplicate listing)
- 6) Ide K, Jeong S, Tsuji T, Watanabe R, Miyaguni Y, Nakamura H, Kimura M, Kondo K.
Suggesting Indicators of Age-Friendly City: Social Participation and Happiness, an Ecological Study from the JAGES.
Int J Environ Res Public Health, 19(9):5096. 2022 Apr. (duplicate listing)
- 7) Ashida T, Fujiwara T, Kondo K.
Childhood socioeconomic status and social integration in later life: Results of the Japan Gerontological Evaluation Study.
SSM Popul Health, 18:101090. 2022 Apr.
- 8) Wang Y, Shirai K, Ohira T, Hirosaki M, Kondo N, Takeuchi K, Yamaguchi C, Tamada Y, Kondo K, Cadar D, Iso H.
Occasions for laughter and dementia risk: Findings from a six-year cohort study.
Geriatr Gerontol Int, 22(5):392-398. 2022 May.
- 9) Hoshi-Harada M, Aida J, Cooray U, Nakazawa N, Kondo K, Osaka K.
Difference of income inequalities of denture use by co-payment rates: A JAGES cross-sectional study.
Community Dent Oral Epidemiol, 2022 May 15. 【Epub ahead of print】 .
- 10) Fujihara S, Miyaguni Y, Tsuji T, Kondo K.
Community-level social participation and functional disability among older adults: A JAGES multilevel longitudinal study.
Arch Gerontol Geriatr, ;100:104632. 2022 May-Jun.
- 11) Yamamoto T, Hikichi H, Kondo K, Osaka K, Aida J.
Community intervention programs prolong the onset of functional disability among older

Japanese.

Geriatr Gerontol Int, 22(6):465-470. 2022 Jun.

- 12) Tsuji T, Kanamori S, Watanabe R, Yokoyama M, Miyaguni Y, Saito M, Kondo K.
Types of sports and exercise group participation and sociopsychological health in older adults: a 3-year longitudinal study.
Med Sci Sports Exerc, May 2022 [Epub ahead of print]. (duplicate listing)
- 13) Nogimura A, Noguchi T, Otani T, Kamiiji K, Yasuoka M, Watanabe R, Ojima T, Kondo K, Kojima M.
Chronic obstructive pulmonary disease and the mortality risk in male older adults: role of socioeconomic factors.
Archives of Gerontology and Geriatrics, Jun 1 2022. (duplicate listing)
- 14) Fuji Y, Sakaniwa R, Shirai K, Saito T, Ukawa S, Iso H, Kondo K.
The number of leisure-time activities and risk of functional limitations among older population: the JAGES cohort.
Preventive Medicine Reports, Apr 26 2022. (duplicate listing)

Department of Epidemiology of Aging

- 1) Nishita Y, Makizako H, Jeong S, Otsuka R, Kim H, Obuchi S, Fujiwara Y, Ohara Y, Awata S, Yamada M, Iijima K, Shimada H, Suzuki T. (duplicate listing)
Temporal trends in cognitive function among community-dwelling older adults in Japan: Findings from the ILSA-J integrated cohort study.
Arch Gerontol Geriatr, May 11 2022. 【Epub ahead of print】
- 2) Tange C, Nishita Y, Tomida M, Otsuka R, Ando F, Shimokata H, Arai H.
Natural history trajectories of frailty in community-dwelling older Japanese adults.
J Gerontol A Biol Sci Med Sci, Jun 9 2022. 【Epub ahead of print】