

Center for Gerontology and Social Science

Forty-eight original papers were published between July and September 2021 as follows.

Department of Preventive Gerontology

- 1) Katayama O, Lee S, Bae S, Makino K, Chiba I, Harada K, Shinkai Y, Shimada H.
Life Satisfaction and the Relationship between Mild Cognitive Impairment and Disability Incidence: An Observational Prospective Cohort Study.
International Journal of Environmental Research and Public Health, 18(12): 6595, Jun 19 2021.
- 2) Sugimoto T, Araki A, Fujita H, Honda K, Inagaki N, Ishida T, Kato J, Kishi M, Kobayashi K, Kouyama K, Noma H, Ohishi M, Satoh-Asahara N, Shimada H, Sugimoto K, Suzuki S, Takeya Y, Tamura Y, Tokuda H, Umegaki H, Watada H, Yamada Y, Sakurai T.
The Multi-Domain Intervention Trial in Older Adults With Diabetes Mellitus for Prevention of Dementia in Japan: Study Protocol for a Multi-Center, Randomized, 18-Month Controlled Trial.
Frontiers in Aging Neuroscience, 13: 680341, Jul 12 2021.
- 3) Nakakubo S, Doi T, Tsutsumimoto K, Kurita S, Ishii H, Shimada H.
Sleep duration and progression to sarcopenia in Japanese community-dwelling older adults: a 4 year longitudinal study.
Journal of Cachexia Sarcopenia and Muscle, 12(4): 1034-1041, Aug 2021.
- 4) Doi T, Nakakubo S, Tsutsumimoto K, Kurita S, Ishii H, Shimada H.
Spatiotemporal gait characteristics and risk of mortality in community-dwelling older adults.
Maturitas, 151: 31-35, Sep 2021.
- 5) Nakakubo S, Doi T, Tsutsumimoto K, Kurita S, Ishii H, Suzuki T, Shimada H.
The Association of Sleep Habits and Advancing Age in Japanese Older Adults: Results from the National Center for Geriatrics and Gerontology Study of Geriatric Syndromes.
Gerontology, 2021. [Epub ahead of print]
- 6) Kurita S, Doi T, Tsutsumimoto K, Nakakubo S, Ishii H, Shimada H.
Computer use and cognitive decline among Japanese older adults: A prospective cohort study.
Archives of Gerontology and Geriatrics, 2021. [Epub ahead of print]
- 7) Kiuchi Y, Makizako H, Nakai Y, Taniguchi Y, Tomioka K, Sato N, Wada A, Doi T, Kiyama R, Takenaka T.
Associations of alpha-actinin-3 genotype with thigh muscle volume and physical performance in older adults with sarcopenia or pre-sarcopenia.
EXPERIMENTAL GERONTOLOGY, 2021. [Epub ahead of print]
- 8) Kurita S, Doi T, Tsutsumimoto K, Nakakubo S, Ishii H, Kiuchi Y, Shimada H.
Predictivity of International Physical Activity Questionnaire Short Form for 5-Year Incident

Disability Among Japanese Older Adults.

Journal of Physical Activity & Health, 2021. [Epub ahead of print]

- 9) Ishii H, Doi T, Tsutsumimoto K, Nakakubo S, Kurita S, Shimada H.
Driving cessation and physical frailty in community-dwelling older adults: A longitudinal study.
Geriatrics & Gerontology International, 2021. [Epub ahead of print]

Department of Frailty Research

- 1) Ozeki S, Takeuchi K, Yasuoka M, Kamiji K, Kojima T, Waguri-Nagaya Y, Ojima T, Kondo K, Wakai K, Kojima M.
Comparison of frailty associated factors between older adult patients with rheumatoid arthritis and community dwellers.
Archives of Gerontology and Geriatrics, 31 May 2021. 【Epub ahead of print】
- 2) Nishikimi A, Kojima M, Watanabe K, Watanabe A, Yasuoka M, Oshima H, Tokuda H, Niida S.
Seroprevalence of antibodies against SARS-CoV-2 among workers in a national research institute and hospital in Central Japan.
Global Health & Medicine Open, Aug 3 2021. 【Epub ahead of print】
- 3) Noguchi T, Murata C, Hayashi T, Watanabe R, Saito M, Kojima M, Kondo K, Saito T.
Association between community-level social capital and frailty onset among older adults: a multilevel longitudinal study from the Japan Gerontological Evaluation Study (JAGES).
J Epidemiol Community Health, Aug 2 2021. 【Epub ahead of print】
- 4) Ueshima J, Maeda K, Shimizu A, Inoue T, Murotani K, Mori N, Satake S, Matsui Y, Arai H.
Diagnostic accuracy of sarcopenia by "possible sarcopenia" premiered by the Asian Working Group for Sarcopenia 2019 definition.
Arch Gerontol Geriatr. 2021 Jul 14.

Department of Social Science

- 1) Noguchi T, Murata C, Hayashi T, Watanabe R, Saito M, Kojima M, Kondo K, Saito T.
Association between community-level social capital and frailty onset among older adults: a multilevel longitudinal study from the Japan Gerontological Evaluation Study (JAGES).
Journal of Epidemiology and Community Health(epub ahead of print)Aug 2 2021. (duplicate listing)
- 2) Noguchi T, Hayashi T, Kubo Y, Tomiyama N, Ochi A, Hayashi H.
Association between decreased social participation and depressive symptom onset among community-dwelling older adults: a longitudinal study during the COVID-19 pandemic.
The Journal of Nutrition, Health and Aging(epub ahead of print)Sep 15 2021.
- 3) Iguchi S, Inoue-Hirakawa T, Nojima I, Noguchi T, Sugiura H.

Relationships between stress urinary incontinence and trunk muscle mass or spinal alignment in older women.

LUTS: Lower Urinary Tract Symptoms(epub ahead of print)July 20 2021.

Department of Gerontological Evaluation

- 1) Shiba K, Torres JM, Daoud A, Inoue K, Kanamori S, Tsuji T, Kamada M, Kondo K, Kawachi I. Estimating the impact of sustained social participation on depressive symptoms in older adults. *Epidemiology*. 2021 Jun 21.
- 2) Ozeki S, Takeuchi K, Yasuoka M, Kamiji K, Kojima T, YukoWaguri-Nagaya, Ojima T, Kondo K, Wakai K, Kojima M. Comparison of frailty associated factors between older adult patients with rheumatoid arthritis and community dwellers. *Arch Gerontol Geriatr*. Sep-Oct 2021;96:104455. doi: 10.1016/j.archger.2021.104455. Epub 2021 Jun 2. (duplicate listing)
- 3) Arafa A, Eshak E S, Shirai K, Cadar D, Iso H, Tsuji T, Kanamori S, Kondo K. Impact of various intensities and frequencies of non-occupational physical activity on the risk of dementia among physically independent older adults: the Japan Gerontological Evaluation Study. *Public Health*. 2021 Jul 14;196:204-210. doi: 10.1016/j.puhe.2021.05.022. [Epub ahead of print]
- 4) Tamura M, Hattori S, Tsuji T, Kondo K, Hanazato M, Tsuno K, Sakamaki H. Community-Level Participation in Volunteer Groups and Individual Depressive Symptoms in Japanese Older People: A Three-Year Longitudinal Multilevel Analysis Using JAGES Data. *International Journal of Environmental Research and Public Health* 2021, 18(14), 7502; <https://doi.org/10.3390/ijerph18147502>.
- 5) Sekiguchi T, Otake M, Kondo K. Types of social networks and starting leisure activities in later life: A longitudinal Japan Gerontological Evaluation Study (JAGES). *PLoS One*. 2021 Jul 15;16(7):e0254828. doi: 10.1371/journal.pone.0254828. eCollection 2021.
- 6) Noguchi T, Murata C, Hayashi T, Watanabe R, Saito M, Kojima M, Kondo K, Saito T. Association between community-level social capital and frailty onset among older adults: a multilevel longitudinal study from the Japan Gerontological Evaluation Study (JAGES). *Journal of Epidemiology & Community Health*. 2021 Aug 2;jech-2021-217211. doi: 10.1136/jech-2021-217211. Epub ahead of print. PMID: 34341149. (duplicate listing)
- 7) Nakagomi A, Shiba K, Ueno T, Kondo K, Kawachi I. General health checks and incident dementia: A six-year follow-up study of community-dwelling older adults in Japan. *Preventive Medicine*. 2021 Aug 1;153:106757. doi: 10.1016/j.ypmed.2021.106757. Online ahead of

print.

- 8) Tsubokawa T, Shobugawa Y, Iguchi S, Suzuki T, Watanabe M, Saito R, Kondo K.
Do Community Social Capital and Built Environment Associate With Homebound in Older Adults?
The JAGES Niigata Study.
J Epidemiol. 2021 Jun 11. doi: 10.2188/jea.JE20200154. Epub ahead of print. PMID: 34121046.

Department of Epidemiology of Aging

- 1) Horikawa C, Otsuka R, Nishita Y, Tange C, Kato Y, Tanaka T, Rogi T, Shibata H, Ando F, Shimokata H.
Interaction between cognitive leisure activity and long-chain polyunsaturated fatty acid intake on global cognitive decline in a Japanese longitudinal cohort study: National Institute for Longevity Sciences-Longitudinal Study of Aging.
BMC Geriatr, Jul 27 2021.
- 2) Tomida M, Otsuka R, Tange C, Nishita Y, Kimura T, Stoelzel M, Tanaka-Amino K, Shimokata H, Terauchi K.
Vasomotor symptoms, sleep problems, and depressive symptoms in community-dwelling Japanese women.
J Obstet Gynaecol Res, Jul 18 2021, epub ahead of print.