

## Health Services Research

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### Major Scientific Interests of the Group

We assess and analyze the quality of various medical services (including nursing, health and welfare care) using the health services research method. Our goal is to improve the quality of services via outcome research through an interdisciplinary research approach. We use verified data to help realize the idea of medical care in harmony with life.

### Projects for Regular Students in Doctoral or Master's Programs

- 1) Useful regional indicators for the planning of long-term care projects (assistance): using claim data from the national long-term care system and others.
- 2) Verification of the method of linking medical care information and construction of logic and regional difference analysis of medical care
- 3) Study on factor analysis of healthy life expectancy and regional disparity and validation of health promotion measures

### Study Programs for Short Stay Students (one week – one trimester)

Part of the aforementioned projects 1) ~ 3)

### Selected Publications

- 1) [Tamiya N](#), Noguchi H, Nishi A, Reich MR, Ikegami N, Hashimoto H, Shibuya K, Kawachi I, Campbell JC. Population ageing and wellbeing: lessons from Japan's long-term care insurance policy. *Lancet*. 2011; 378(9797):1183-92.
- 2) Mori T, Hamada S, Yoshie S, Jeon B, Jin X, Takahashi H, Iijima K, Ishizaki T, [Tamiya N](#). The Associations of Multimorbidity with the Sum of Annual Medical and Long-Term Care Expenditures in Japan. *BMC Geriatr*. (in press)
- 3) Kuroda N, Hamada S, Sakata N, Jeon B, Iijima K, Yoshie S, Ishizaki T, Jin X, Watanabe T, [Tamiya N](#). Antipsychotic use and related factors among people with dementia aged 75 years or older in Japan: a comprehensive population-based estimation using medical and long-term care data. *Int J Geriatr Psychiatry*. (in press)
- 4) Hamada S, Takahashi H, Sakata N, Jeon B, Mori T, Iijima K, Yoshie S, Ishizaki T, [Tamiya N](#). Household income relationship with health services utilization and healthcare expenditures in people aged 75 years or older in Japan: A population-based study using medical and long-term care insurance claims data. *J Epidemiol*. (in press)
- 5) Moriyama Y, [Tamiya N](#), Kawamura A, Mayers TD, Noguchi H, Takahashi H. Effect of short-stay service use on stay-at-home duration for elderly with certified care needs: Analysis of long-term care insurance claims data in Japan. *PLoS One*. 2018;13(8):e0203112.
- 6) Jeon B, [Tamiya N](#), Yoshie S, Iijima K, Ishizaki T. Potentially avoidable hospitalizations, non-potentially avoidable

hospitalizations and in-hospital deaths among residents of long-term care facilities. *Geriatr Gerontol Int.* 2018;18(8):1272-1279.

- 7) Yamaoka Y, Morisaki N, Noguchi H, Takahashi H, Tamiya N. Comprehensive Assessment of Risk Factors of Cause-Specific Infant Deaths in Japan. *J Epidemiol.* 2018;28(6):307-314.
- 8) Jin X, Tamiya N, Jeon B, Kawamura A, Takahashi H, Noguchi H. Resident and facility characteristics associated with care-need level deterioration in long-term care welfare facilities in Japan. *Geriatr Gerontol Int.* 2018;18(5):758-766.
- 9) Mori T, Tamiya N, Jin X, Jeon B, Yoshie S, Iijima K, Ishizaki T. Estimated expenditures for hip fractures using merged healthcare insurance data for individuals aged  $\geq 75$  years and long-term care insurance claims data in Japan. *Arch Osteoporos.* 2018;13(1):37.
- 10) Sugiyama T, Tamiya N, Watanabe T, Wakui T, Shibayama T, Moriyama Y, Yamaoka Y, Noguchi H. Association of care recipients' care-need level with family caregiver participation in health check-ups in Japan. *Geriatr Gerontol Int.* 2018;18(1):26-32.