Jo Mhairi Hale
School of Geography & Sustainable Development
Population and Health Research
Environmental Change Research Group
Geographies of Sustainability, Society, Inequalities and Possibilities
Type of address: Postal address.
School of Geog & Sustainable Devt
Irvine Building
St Andrews

United Kingdom
Email: Jo.Hale@st-andrews.ac.uk
Phone: +44 (0)1334 463928

Qualifications

Doctor of Philosophy, University of California
Sept 2011 → Aug 2016
Award Date: 1 Sept 2016

Master of Arts, Sociology, University of California
1 Sept 2011 → 13 Jun 2013
Award Date: 13 Jun 2013

Master of Arts, Sustainable Development, Northern Arizona University
15 Jan 2007 → 1 Dec 2009
Award Date: 11 Dec 2009

Bachelor of Arts, Psychology, University of Virginia
1 Sept 1997 → 20 May 2001
Award Date: 20 May 2001

Employment

Senior Lecturer
School of Geography & Sustainable Development
University of St Andrews
Fife, United Kingdom
1 Aug 2022 → present

Population and Health Research
University of St Andrews
United Kingdom
1 Jun 2020 → present

Environmental Change Research Group
University of St Andrews
United Kingdom
1 Jun 2020 → present

Geographies of Sustainability, Society, Inequalities and Possibilities
University of St Andrews
United Kingdom
1 Jun 2020 → present

Research Fellow
Max Planck Institute for Demographic Research (MPIDR)
Rostock, Germany
1 Aug 2018 → present

Research outputs

Loneliness and cognitive function in later life: a population-based counterfactual analysis
Sharma, S., Hale, J. M., Lorenti, A. & Cunningham, S., 6 Oct 2026, In: International Journal of Epidemiology. 55, 5, 9 p., dyag212.

Understanding community antibiotic use and antimicrobial resistance in Sub-Saharan Africa: a grassroots perspective from Enugu, Nigeria
Maduko, W., Olamijuwon, E., Kesby, M. & Hale, J. M., 23 Jul 2026, In: PLoS One. 21, 7, 18 p., e0353762.

Recruiting ethnic and religious minorities in a large national nonprobability online survey: leveraging co-production to augment recruitment
Horn, D., Finney, N., Hale, J. M. & Borkowska, M., 21 Jul 2026, In: Survey Practice. 20, 14 p., 28.

Engaging communities in addressing antimicrobial resistance: co-producing locally relevant public health messages
Maduko, W., Kesby, M., Hale, J. M. & Olamijuwon, E., 17 Apr 2026, In: PLOS Global Public Health. 6, 4, 19 p., e0006212.

Disentangling social isolation, loneliness, and later-life cognitive function for older adults in the United States: evidence from causal inference modeling
Hale, J. M., Lorenti, A. & Cunningham, S. A., 1 Mar 2026, In: Journals of Gerontology Series B: Psychological Sciences and Social Sciences. 81, 3, 12 p., gbaf254.

The changing geographies of ageing and age mixing across urban–rural areas in Scotland, 2011–2022
Wilkie, R. Z., Finney, N., Butler-Warke, A., He, Q., Graham, E. & Hale, J. M., 1 Mar 2026, In: Population, Space and Place. 32, 2, 14 p., e70217.

Educational and gender gaps in cognitive health expectancy across Europe: a prevalence-based analysis using SHARE
Stonkute, D., Lorenti, A. & Hale, J. M., 1 Feb 2026, In: Social Science and Medicine. 391, 10 p., 118886.

Memory trajectories by migration status and gender: a life-course intersectional perspective
Loi, S., Tattarini, G. & Hale, J. M., 1 Feb 2026, In: Social Science and Medicine. 391, 11 p., 118885.

Ethical loneliness and the undermining of social capital: how racism shapes loneliness in three UK Asian communities – a mixed methods study
Joshi, M., Finney, N. & Hale, J. M., 20 May 2025, (E-pub ahead of print) In: Journal of Ethnic and Migration Studies. Latest Articles, 26 p.

Public-targeted interventions addressing antimicrobial resistance and antibiotic use in Sub-Saharan Africa: a scoping review
Maduko, W., Olamijuwon, E., Kesby, M. & Hale, J. M., 21 Mar 2025, In: BMJ Global Health. 10, 3, 12 p., e017455.

Disparities by sex, race/ethnicity, and education in trends in the disability burden in the United States, 1996–2018
Sharma, S., Hale, J. M. & Feraldi, A., 14 Mar 2025, (E-pub ahead of print) In: Population Studies. Latest Articles, 23 p.

Trends in memory function and memory impairment among older adults in the USA and Europe, 1996-2018
Myrskylä, M., Hale, J. M., Schneider, D. C. & Mehta, N. K., Nov 2024, In: Journals of Gerontology Series A - Biological Sciences and Medical Sciences. 79, Supplement_1, p. S11–S21 11 p.

Loneliness and social isolation of ethnic minority/immigrant older adults: a scoping review
Joshi, M., Finney, N. & Hale, J. M., 4 Jun 2024, (E-pub ahead of print) In: Ageing & Society. FirstView, 31 p.

Racial, ethnic, nativity, and educational disparities in cognitive impairment and activity limitations in the United States, 1998-2016
Sharma, S., Hale, J. M., Myrskylä, M. & Kulu, H., 1 Oct 2023, In: Demography. 60, 5, p. 1441-1468 28 p., 10941414.

US racial-ethnic mortality gap adjusted for population structure
Pifarré i Arolas, H., Acosta, E., Dudel, C., Hale, J. M. & Myrskylä, M., 1 May 2023, In: Epidemiology. 34, 3, 9 p.

A longitudinal analysis of the association between long-term exposure to air pollution and cognitive function among adults aged 45 and over in China
Hu, K., Hale, J. M., Kulu, H., Liu, Y. & Keenan, K., 4 Mar 2023, In: Journals of Gerontology Series B: Psychological Sciences and Social Sciences. 78, 3, p. 556-569 14 p., gbac162.

Cognitive impairment and partnership status in the United States, 1998-2016, by sex, race/ethnicity, and education
Sharma, S., Hale, J. M., Myrskylä, M. & Kulu, H., 22 Feb 2023, (E-pub ahead of print) In: Population Studies. Latest Articles, 11 p.

Understanding cognitive impairment in the U.S. through the lenses of intersectionality and (un)conditional cumulative (dis)advantage
Hale, J. M., Schneider, D. C., Mehta, N. K. & Myrskylä, M., 7 Nov 2022, Rostock: Max Planck Institute for Demographic Research, p. 1-83, 83 p. (MPIDR working paper; no. 2022-029).

A longitudinal analysis of $PM_{2.5}$ exposure and multimorbidity clusters and accumulation among adults aged 45-85 in China
Hu, K., Keenan, K., Hale, J. M., Liu, Y. & Kulu, H., 29 Jun 2022, In: PLOS Global Public Health. 2, 6, 20 p., e0000520.

Immigration status and farmwork: understanding the wage and income gap across U.S. policy and economic eras, 1989-2016
Scott, J. L., Hale, J. M. & Padilla, Y. C., 1 Oct 2021, In: Population Research and Policy Review. 40, p. 861–893 33 p.

Does postponing retirement affect cognitive function? A counterfactual experiment to disentangle life course risk factors
Hale, J. M., Bijlsma, M. J. & Lorenti, A., Sept 2021, In: SSM - Population Health. 15, 12 p., 100855.

Paths to mobility: a longitudinal evaluation of earnings among Latino/a DACA recipients in California
Patler, C., Hale, J. M. & Hamilton, E. R., 1 Aug 2021, In: American Behavioral Scientist. 65, 9, p. 1146-1164 19 p.

Rejoinder to "The Prevalence of Cognitive Impairment Is Not Increasing in the United States: A Critique of Hale et al (2020)"
Hale, J. M., Schneider, D. C., Gampe, J., Mehta, N. K. & Myrskylä, M., 24 Jun 2021, In: Epidemiology. 32, 5, p. 717-720

Cumulative disparities in the dynamics of working poverty for later-career U.S. workers (2002-2012)
Hale, J. M., Dudel, C. & Lorenti, A., 8 Feb 2021, In: Socius. 7, p. 1-19 19 p.

Trends in the risk of cognitive impairment in the United States, 1996-2014
Hale, J. M., Schneider, D. C., Gampe, J., Mehta, N. K. & Myrskylä, M., Sept 2020, In: Epidemiology. 31, 5, p. 745-754

Working and disability expectancies at older ages: the role of childhood circumstances and education
Lorenti, A., Dudel, C., Hale, J. M. & Myrskylä, M., Sept 2020, In: Social Science Research. 91, 17 p., 102447.

Cognitive impairment in the U.S. lifetime risk, age at onset, and years impaired
Hale, J. M., Schneider, D. C., Mehta, N. K. & Myrskylä, M., Aug 2020, In: SSM - Population Health. 11, 100577.

The association between city-level air pollution and frailty among the elderly population in China
Hu, K., Keenan, K., Hale, J. M. & Borger, T., 1 Jul 2020, In: Health & Place. 64, 102362.

Growing up without status: the integration of children in mixed-status families
Hamilton, E., Patler, C. & Hale, J. M., 23 Apr 2019, (E-pub ahead of print) In: Sociology Compass. 13, 6, e12695.

Migrant health convergence and the role of material deprivation
Loi, S. & Hale, J. M., 12 Apr 2019, In: Demographic Research. 40, p. 933-962 32.

Trends in hospital deaths in Denmark from 1980 to 2014, at ages 50 and over
Carollo, A., Calduch Verdiell, N., Hale, J. M., Andersen-Ranberg, K., Lindahl-Jacobsen, R. & Oksuzyan, A., Mar 2019, In: Journal of the American Geriatrics Society. 67, 3, p. 471-476 6 p.

Immigrant legal status and health: legal status disparities in chronic conditions and musculoskeletal pain among Mexican-born farm workers in the United States
Hamilton, E., Hale, J. M. & Savinar, R., Feb 2019, In: Demography. 56, 1, p. 1-24 24 p.

Working 9 to 5? Union membership and work hours and schedules
Hale, J. M. & Finnigan, R., 1 Jun 2018, In: Social Forces. 96, 4, p. 1541-1568

Cognitive disparities: the impact of the Great Depression and cumulative inequality on later-life cognitive function
Hale, J. M., Dec 2017, In: Demography. 54, 6, p. 2125-2158 34 p.

"You just don't understand me!" Determinants of second generation Asian and Latino youth self-esteem
Nguyen, E. T. & Hale, J. M., Oct 2017, In: International Migration. 55, 5, p. 44-61 18 p.

Changes in the transnational family structures of Mexican farm workers in the era of border militarization
Hamilton, E. R. & Hale, J. M., Oct 2016, In: Demography. 53, 5, p. 1429-1451 23 p.

Awards

For Freedom: Scotland and the Making of a Decolonized World
Banerjee, M. (PI), Hale, J. M. (PI) & Robinson, I. (PI)
: £3,500.00
1/06/22 → 31/05/23

Projects

For Freedom: Scotland and the Making of a Decolonized World
Banerjee, M. (PI), Hale, J. M. (PI) & Robinson, I. (PI)
1/06/22 → 31/05/23

HILIGHT CPC - Connecting Generations: HIGHLIGHT: CPC - Connecting Generations Centre
Kulu, H. (PI), Demsar, U. (CoI), Finney, N. (CoI), Fiori, F. (CoI), Hale, J. M. (CoI), Keenan, K. (CoI), McCollum, D. (CoI) & Mikolai, J. (CoI)
Economic and Social Research Council
1/04/22 → 31/03/27