

# Astri Syse, Statistics Norway

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## Current position

2013- Senior Researcher at Statistics Norway (population projections, family demographics, health, mortality, morbidity & aging)

## Educational background

2009 PhD, Faculty of Medicine, University of Oslo

2007-2009 Semester studies in sociology/demography, University of Oslo (A)

1997-2001 MSc in Education, Faculty of Education, University of Oslo (2.1)

1992-1996 BSc in Physical Therapy, University of Vermont (magna cum laud)

## Awards/Honors

2011 Norwegian Epidemiology Society's 'Article of the Year Award'

2010 Fulbright grantee, Dartmouth College/Dartmouth-Hitchcock Medical Center

1996 'ECAC/Robbins Scholar Athlete Award' & 'NCAA Vermont Woman of the Year'

## General work experience

2017 Visiting Professor at MPRC, University of Maryland

2011-2013 Senior Researcher at Norwegian Social Research (NOVA)

2010-2011 Fulbright Visiting Professor, Dartmouth College, NH (research & teaching)

2009-2012 Postdoctoral research fellow, Norwegian Research Council/Cancer Registry of Norway

2008-2009 PI of 'Employment and cancer study', financed by the Norwegian Cancer Society

2005-2008 Doctoral research fellow, Norwegian Cancer Society/Cancer Registry of Norway

## Current projects

1. GEOHEALTH: Regional distribution of health care (Norwegian Research Council)

2. RMMORT: Retirement, morbidity and mortality (Statistics Norway)

3. FAMGEN: Associations of fertility and geospatial distance to family members (Norwegian Research Council)

4. Cancer in the old – health care usage and outcomes (advisor for postdoc-student, Norwegian Cancer Society)

5. Population projections: National and regional projections published biennially (Statistics Norway)

## Other research activities

2017 Main supervisor of master student, Department of Sociology, University of Oslo

2016 Technical expert, 49<sup>th</sup> Commission on Population and Development, United Nations

2015- Member of National Advisory Committee on Social Inequality in Health

2015- Co-supervisor of postdoctoral researcher (Rostoft), Oslo University Hospital

2015-17 Member of Advisory Board, Dutch project on 'Smoking, alcohol and obesity - ingredients for improved and robust mortality projections'

2014-18 Member of Advisory Board, NOVA project on 'Explaining social health inequalities in later life'

2013- Associate member of research group on 'Cancer in old age', Oslo University Hospital

2014-16 Vice President, Norwegian Demographic Society

2011-16 Member of FoU committee, Faculty of Health, Oslo & Akershus University College (HiOA)

2011- Member of evaluative committees of doctoral/postdoctoral candidates & other funding applications, HiOA

2011- Co-supervisor of PhD student (Gunnes), Faculty of Medicine, University of Bergen

2010- External student evaluator, Dep. Economics, University of Oslo & University of Agder

2014 Main supervisor of master student in health policy, HiOA

2014 Co-supervisor of PhD student (Ghaderi), Faculty of Medicine, University of Bergen

2011 Main supervisor of medical student, Faculty of Medicine, University of Oslo

2011 Main supervisor of two master students, Norwegian University of Life Sciences

## LIST OF PUBLICATIONS

### Recent submissions (under peer review)

1. Hart, Rønsen, Syse. Why is fertility falling in Norway? An analysis of parity transitions over the last decade
2. Syse, Rogne, Wiik. How does family situations and living arrangements affect mortality after retirement?
3. Keilman, Dinh, Syse. Changes over time in modal age of death

## Scientific papers in peer-reviewed journals (\*Level 2 at time of publication)

1. Rogne, **Syse**. The effect of retirement on mortality. Quasi-experimental evidence from Norway. *Eur Soc Review*. In press.
2. **Syse**, Dzamarija, Kumar, Diaz. An observational study of immigrant mortality differences in Norway by reason for migration, length of stay and characteristics of sending countries. *BMC Public Health* 2018 18:508.
3. **Syse**, Soneji, Bynum, Andrews, Tretli. Survival after colorectal cancer in a screened vs an unscreened population. *Scand J Public Health* 2018 Jan 1 [epub ahead of print]
4. Gautun, **Syse**. Earlier hospital discharge - challenge for Norwegian municipalities. *Nordic J Social Res* 2017 8:1-17.
5. Gunnes, Lie, Bjørge, Ghaderi, **Syse**, Ruud, Wesenberg, Moster. Suicide and violent deaths in survivors of cancer in childhood, adolescence and young adulthood. *Int J Cancer* 2017 140(3):575-80.
6. **Syse**, Veenstra, Furunes, Mykletun, Solem. Changes in health and health behavior associated with retirement. *J Aging Health* 2017 29(1):199-217.
7. **Syse**, Lyngstad. In sickness & in health: Marital partners' role in cancer survival. *SSM Pop Health* 2017 3:99-110.
8. Gunnes, Lie, Bjørge, **Syse**, Ruud, Wesenberg, Moster. Economic independence in survivors of cancer diagnosed at a young age: A Norwegian national cohort study. *Cancer* 2016 122(24):3873-82.
9. Jakobsson, Kotsadam, **Syse**, Øien. Gender bias in public long-term care? A survey experiment among care managers. *J Econ Beh & Org* 2016 131(B):126-38.
10. Gunnes, Lie, Bjørge, Ghaderi, Ruud, **Syse**, Moster. Reproduction and marriage among male survivors of cancer in childhood, adolescence and young adulthood. *British J Cancer* 2016 114(3):348-56.
11. **Syse**, Kumar, Næss, Steingrimsdottir and Strand. Differences in All-Cause Mortality between immigrants and the host population in Norway. *Demographic Research* 2016 34(22):615-656.
12. Tønnessen, Syse and Telle. Childhood residential mobility and adult outcomes. *Acta Sociol* 2016 59(2):113-29.
13. Ghaderi, Engeland, Gunnes, Moster, Ruud, **Syse**, Wesenberg, Bjørge. Educational attainment among long-term survivors of cancer in childhood and adolescence. *J Cancer Surviv* 2016 10(1):87-95.
14. Solem, **Syse**, Furunes, Mykletun, De Lange, Schaufeli, Ilmarinen. To leave or not to leave: retirement intentions and retirement behaviour. *Ageing and Society* 2016 32(2):259-81.
15. Furunes, Mykletun, Solem, de Lange, **Syse**, Schaufeli, Ilmarinen. Late Career Decision-Making: A Qualitative Panel Study. *Work, Aging Retirement* 2015 1(3):284-95.
16. **Syse**, Jakobsson, Øien. Variasjoner i kommunale tildelingsvurderinger av helse- og omsorgstjenester til eldre [In Norw.]. *Tidsskrift for Velferdsforskning* 2015 18(3):212-34.
17. **Syse**, Moshina. Mer koordinert omsorg med kreftkoordinatorstillinger i kommunene? [In Norw.]. *Nordisk Tidsskrift for Helseforskning* 2015 11(1):49-65.
18. Robsahm, Karagas, Rees, **Syse**. New malignancies after squamous cell carcinoma and melanomas: a population-based study from Norway. *BMC Cancer* 2014 14:210.
19. Fiva, Hægeland, Rønning, **Syse**. Access to treatment and educational inequalities in cancer survival. *J Health Econ*. 2014 36:98-111.
20. **Syse**, Solem, Ugreninov, Mykletun. Do spouses coordinate their work exits? *Res Aging* 2014 36(5):625-60.
21. Ghaderi, Engeland, Moster, Ruud, **Syse**, Wesenberg, Bjørge. Increased uptake of social security benefits among long-term survivors of cancer in childhood, adolescence and young adulthood. *Br J Cancer* 2013 108(7):1525-33.
22. **Syse**, Veenstra, Aagnes, Tretli. Cancer incidence, prevalence and survival in an aging Norwegian population. *Norwegian J Epidemiol* 2012 22(2):109-20.
23. Veenstra, **Syse**. Health behavior changes and chronic health problems in late life. *Norwegian J Epidemiol* 2012 22(2):135-42.
24. Ghaderi, Lie, Moster, Ruud, **Syse**, Wesenberg, Bjørge. Cancer in childhood, adolescence, and young adults: a population-based study of changes in risk of cancer death during four decades. *Cancer Causes Ctrl* 2012 23(8):1297-305.
25. **Syse**, Aas, Loge. Children and young adults with parents with cancer. *Clin Epidemiol* 2012 4:41-52.
26. **Syse**, Tonnessen. Cancer's unequal impact on incomes in Norway. *Acta Oncol* 2012 51(4):480-9.
27. **Syse**, Lyngstad, Kravdal. Is mortality after childhood cancer dependent on social or economic resources of parents? *Int J Cancer* 2012 130(8):1870-8.
28. **Syse**, Geller. A cross-cultural perspective on challenges facing comparative cancer survivorship research. *J Cancer Epidemiol* 2011 11:689025.
29. Kravdal, **Syse**. Changes over time in effect of marital status on cancer survival. *BMC Publ Health* 2011 11:804.
30. **Syse**, Larsen, Tretli. Does cancer in a child affect parents' employment and earnings? *Cancer Epidemiol* 2011 35(3):298-305.

31. Syse, Loge, Lyngstad. Does childhood cancer affect parental divorce rates? *J Clin Oncol* 2010 **28**(5):872-7.
32. Syse, Tretli, Kravdal. The impact of cancer on spouses' labor earnings. *Cancer* 2009 **115**(18 Suppl):4350-61.
33. Syse, Aas. Marriage after cancer in older adulthood. *J Cancer Surviv* 2009 **3**(1):66-71.
34. Syse, Tretli, Kravdal. Cancer's impact on employment and earnings – a population-based study from Norway. *J Cancer Surviv* 2008 **2**(3):149-58.
35. Syse. Does cancer affect marriage rates? *J Cancer Surviv* 2008 **2**(3):205-14.
36. Syse, Kravdal. Does cancer affect the divorce rate? *Demographic Research* 2007 **16**(15):469-92
37. Syse, Kravdal, Tretli. Parenthood after cancer - a population-based study. *Psychooncology* 2007 **16**(10):920-7.
38. Wibe, Eriksen, Syse, Tretli, Myrvold, Søreide. Effect of hospital caseload on long-term outcome after standardization of rectal cancer surgery at a national level. *Br J Surgery* 2005 **92**(2):217-24.
39. Eriksen, Wibe, Syse, Haffner, Wiig. Inadvertent perforation during rectal cancer resection. *Br J Surgery* 2004 **91**(2):210-6.
40. Wibe, Syse, Andersen, Tretli, Myrvold, Søreide. Oncological outcomes after total mesorectal excision for cure for cancer of the lower rectum: anterior vs. abdominoperineal resection. *Dis Colon Rectum* 2004 **47**(1):48-58.
41. Wibe, Eriksen, Syse, Myrvold, Søreide. Total mesorectal excision for rectal cancer *Colorect Dis* 2003 **5**(5):471-7.

### Other select publications last 5 years

1. Rogne, Syse. Framtidens eldre i by og bygd. Befolkningsframskrivinger, sosiodemografiske mønstre og helse. Rapporter 2017/32, Statistisk sentralbyrå.
2. Robsahm, Syse. Risiko for ny kreftsykdom etter hudkreft [In Norw.]. *BestPractice* 14. desember 2016.
3. Syse, Dzamarija. Dødelighet blant innvandrere etter innvandringsgrunn [In Norw.]. *Øk. an.* 5/2016.
4. Syse. Er det de friskeste innvandrerne som kommer til Norge? [In Norw.]. *Samfunnsspeilet* 3/2016.
5. Tønnessen, Leknes, Syse. Befolkningsframskrivinger 2016-2100: Hovedresultater [In Norw.]. *Øk. an.* 3/2016.
6. Syse, Hart, Aase. Befolkningsframskrivinger 2016-2100: Fruktbarhet [In Norw.]. *Øk. an.* 3/2016.
7. Syse, Pham, Keilman. Befolkningsframskrivinger 2016-2100: Dødelighet og levealder [In Norw.]. *Øk. an.* 3/2016.
8. Leknes, Syse, Tønnessen. Dokumentasjon av modellene BEFINN og BEFREG 2016 [In Norw.]. Notater 2016/14.
9. Tønnessen, Leknes, Syse. Population projections 2016-2100: Main results. [www.ssb.no/en/befolkning/artikler-og-publikasjoner/population-projections-2016-2100-main-results](http://www.ssb.no/en/befolkning/artikler-og-publikasjoner/population-projections-2016-2100-main-results).
10. Hart, Syse, Rønsen. Hvem velger å få (flere) barn? [In Norw.]. *Øk. an.* 4/2015.
11. Tønnessen, Syse, Aase. Befolkningsframskrivinger 2014-2100: Hovedresultater [in Norw.]. *Øk. an.* 4/2014.
12. Syse, Pham. Befolkningsframskrivinger 2014-2100: Dødelighet og levealder [in Norw.]. *Øk. an.* 4/2014.
13. Aase, Tønnessen, Syse. Population Projections: Documentation of BEFINN/BEFREG. Report 2014/25.
14. Gautun, Syse. Hvordan tar de kommunale helse- og omsorgstjenestene imot det økte antallet pasienter som skrives ut fra sykehusene [in Norw.]. NOVA Rapport nr. 8/13. NOVA.
15. Syse, Loge. Barn/unge med foreldre med kreft – en populasjonsstudie [In Norw.]. *Best Practice.* 2012 **8**(2):24-32.
16. Syse. Cancer illness in children and socioeconomic resources of parents. 2012. Book chapter in *Pediatric Cancer*.

### Short essays published in national newspapers

1. Feature story ('kronikk') in Dagens Næringsliv 7.1.2017 Spousal resources matter for survival [In Norw.]
2. Feature story ('kronikk') in Bergens Tidende 7.7.2016. Strong aging in Norwegian rural areas [In Norw.]
3. Feature story ('kronikk') in VG 28.6.2016. Four future population trends: Growth, aging, immigration and centralization [In Norw.]
4. Feature story ('kronikk') in Dagens Næringsliv 6.1.2016 Health and retirement [In Norw.]
5. Feature story ('kronikk') in Dagbladet 11.1.2013 Old cancer patients – future challenges [In Norw.]
6. Feature story ('kronikk') in VG 29.5.2011. Children of low resource parents die more frequently from cancer [In Norw.]

### Other examples of media exposure

- Syse. Podcast about frequent movers: <http://journals.sagepub.com/doi/suppl/10.1177/0001699316628614>
- Interviews with Reuters and Associated Press, see e.g.
  - <http://uk.reuters.com/article/2010/01/08/us-cancer-divorce-idUSTRE6073GA20100108>
  - <http://uk.reuters.com/article/2007/09/27/us-cancer-divorce-idUKL2691364420070927>
  - <http://www.cbc.ca/m/touch/technology/story/1.679390>
- National TV feature story (TV2) on population growth 7.9.2016

- Various national radio interviews on population projections Summer/Fall 2016
- National TV debate (Dagsnytt 18) on health and retirement 6.1.2016
- Several news stories on old age health, retirement and life expectancy in national papers, Winter 2016
- Several radio interviews on regional variation in life expectancy, March 2016
- Several news stories on immigrant mortality, national radio and newspapers, March 2016
- Reference to findings on childhood relocations in A-magasinet (Do children tolerate frequent moves?), June 2016
- Several news stories on social inequality in cancer survival, see e.g.
  - <http://www.dagensmedisin.no/artikler/2011/05/30/sosial-status-okker-overlevelsen/>
  - <http://www.vg.no/forbruker/helse/helse-og-medisin/barn-av-lavt-utdannede-doer-oftere-av-kreft/a/10086571/>
- Several news stories on family effects of illness, see e.g.
  - <http://www.dagensmedisin.no/artikler/2009/08/13/taper-pa-at-mannen-far-kreft/>
- Several national news stories on future aging, see e.g.
  - <http://www.aftenposten.no/nyheter/iriks/Hun-far-eldrebolgen-rett-i-fanget-7607909.html>
  - <http://www.vg.no/forbruker/eldreboelgen-kan-bli-en-eldrekrusning/a/23440857/>