

James Raymer
Professor of Demography
Australian Demographic & Social Research Institute
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Curriculum Vitae

Contact Information

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Education

- 1994 A.A., Diablo Valley College, Pleasant Hill, California, USA.
- 1996 B.A., Department of Geography, University of Colorado, Boulder, Colorado, USA.
- 1999 M.A., Department of Geography, University of Colorado, Boulder, Colorado, USA.
Master's Thesis: *Migration in high immigrant concentration areas: Are there unique patterns among U.S. native-born non-Hispanic Whites with low education?* Advisor: Andrei Rogers.
- 2004 Certificate in Demography, Population Program, University of Colorado, Boulder, Colorado, USA.
- 2004 Ph.D., Department of Geography, University of Colorado, Boulder, Colorado, USA.
Doctoral Dissertation: *The estimation of place-to-place migration flows.* Advisor: Andrei Rogers.

Employment

- 1996–2003 Research Assistant, Population Program, Institute of Behavioral Science, University of Colorado, Boulder, Colorado, USA. Projects (funded by NICHD and NSF): *Spatial redistribution of the foreign-born population*, *Age and spatial interaction and the indirect estimation of migration*, and *Estimating migration flows from population stocks*.
- 1997–2003 Teaching Assistant, Department of Geography, University of Colorado, Boulder, Colorado, USA. Courses: *Population Geography*, *Quantitative Methods in Geography*, *Formal Population Geography*, and *Introduction to Human Geography*.
- 2004 Lecturer in Demography, Division of Social Statistics, School of Social Sciences, University of Southampton. Courses: *Migration* (UG), *Population and the Environment* (UG) and *Seminar Series* (UG).

- 2005–2009 Lecturer in Demography / Academic Fellow (Research Councils UK Scheme), Division of Social Statistics, School of Social Sciences, University of Southampton. Courses: *Introduction to Demographic Methods* (UG), *Migration* (UG and PG), *Population and the Environment* (UG) and *Population Analysis II* (UG).
- 2010–2012 Reader in Demography, Division of Social Statistics, School of Social Sciences, University of Southampton. Courses: *Migration* (UG and PG), *Population Analysis II* (UG) and *Population Projections* (PG).
- 2013 Professor of Demography, Division of Social Statistics, School of Social Sciences, University of Southampton (20% Appointment)
- 2013–Present Professor of Demography, Australian Demographic & Social Research Institute, College of Arts & Social Sciences, Australian National University.

Administration

- 2007–2009 BSc Population Sciences Dissertation Coordinator, Division of Social Statistics, School of Social Sciences, University of Southampton
- 2007–2010 BSc Population Sciences Coordinator, Division of Social Statistics, School of Social Sciences, University of Southampton
- 2013 Coordinator for Master of Social Research, Australian Demographic & Social Research Institute, College of Arts & Social Sciences, Australian National University
- 2013–Present Director, Australian Demographic & Social Research Institute, College of Arts & Social Sciences, Australian National University

Research Funding

Grants

Raymer J. *Estimating International Migration in the European Union*. School of Social Sciences Small Grants Scheme, University of Southampton, £1000, June 2004–May 2005.

Raymer J (Principal Investigator) and Goodwin–White J. *Examining the relationships between patterns of immigration and internal migration in the United Kingdom*. Annual “Adventure in Research” Grant Scheme, University of Southampton, £21,336, August 2006–August 2007.

Raymer J (Principal Investigator) and Smith PWF. *Combining migration data in England and Wales*. Economic & Social Research Council (ESRC), RES-000-22-2501, £98,681, February 2008–July 2009.

Raymer J (Theme Leader), Smith PWF and Forster JJ. *Developing a dynamic population model for the UK*. Research project in the *Centre for Population Change*, led by Falkingham J, Boyle P, Evandrou M and Heath S. Economic & Social Research Council (ESRC), £5 million (for the Centre), January 2009–December 2013.

Raymer J (Principal Investigator), Forster JJ, Smith PWF, van der Erf R (Netherlands Interdisciplinary Demographic Institute), Keilman N (University of Oslo) and Bijak J. *IMEM: Integrated Modelling of European Migration*. New Opportunities for Research Funding Agency Co-operation in Europe (NORFACE), €535,504, November 2009–October 2011.

Falkingham J, Bullock S, Brailsford S, Bijak J, Evandrou M, Noble J, Channon A, Raymer J, Vlachantoni A and Williams T. *The care life cycle: Responding to the health and social care needs of an ageing society*. Engineering and Physical Sciences Research Council (EPSRC), £3.3 million, January 2010–December 2014.

Biddle N, Wilson T, Taylor A, Raymer J and Thapa P. *Improved Indigenous population projections for policy and planning*. Australian Research Council (Linkage), \$244,744, January 2014–December 2016.

Contracts

European Commission / Eurostat tender n° 2006/S100 106607 (OJ 27/05/2006) for the supply of statistical services (L–Luxembourg: statistical analysis–mortality issues, migration). Lot 2: *Modelling of statistical data on migration and migrant populations*. Project coordinated by the Netherlands Interdisciplinary Demographic Institute, The Hague. €562,500 (€94,700 for Southampton), January 2007–December 2009.

Office for National Statistics. *Improving estimates of migration flows for Eurostat*. £10,300, January–March 2011.

Office for National Statistics. *Conceptual framework for UK population and migration statistics*. £50,540, May 2011–January 2012.

National Records for Scotland. *Review of methods for estimating populations with administrative data*. £10,000, January –March 2013.

PhD Studentships

Raymer J and Forster JJ. *Bayesian estimation of internal migration in England and Wales*. Economic & Social Research Council (ESRC) / Office for National Statistics' Joint Collaborative Studentship, £55,620 (for student tuition and maintenance), 2008–2011.

Raymer J and Bijak J. *Improving the quality of international migration statistics in the UK*. Economic and Social Research Council / Office for National Statistics CASE Studentship, 2010–2013.

Workshops

Workshop on the Estimation of International Migration in Europe: Issues, Models and Assessment, University of Southampton, 28–30 September 2005. Co-organised with Frans Willekens (Netherlands Interdisciplinary Demographic Institute). Sponsored by the by the European Commission's Research Training Network and the Southampton Statistical Sciences Research Institute (S3RI).

Estimation and Projection of International Migration, University of Southampton, 17–19 September 2008. Co-organised with Phil Rees (University of Leeds) and Frans Willekens (Netherlands Interdisciplinary Demographic Institute). Sponsored by the European Science Foundation's Quantitative Methods in the Social Sciences (QMSS2) network programme for 2008–2012.

Integrated Modelling of European Migration Workshop, Chilworth Manor, 25–27 May 2011. Funded by New Opportunities for Research Funding Agency Co-operation in Europe (NORFACE).

Workshop on Migration Modelling, Chilworth Manor, 16 February 2012. Sponsored by EPSRC's Cross-Disciplinary Interfaces Programme on Complexity Science in the Real World (CSRW).

International Visits and Research Fellowships

Population Research Centre, University of Groningen, Netherlands, May–June 2000.

International Institute for Applied Systems Analysis, Young Scientists Summer Program, Laxenburg, Austria. Financial support for travel and summer stipend came from the U.S. National Science Foundation, June–August 2002.

Population Program, Institute of Behavioral Science, University of Colorado, Boulder, November 2008 – January 2009.

Raymer J and Rogers A. *A multiregional framework for understanding population change*. ESRC–SSRC Collaborative Visiting Fellowships, £5000 to support collaboration between the University of Southampton's Centre for Population Change and the University of Colorado's Population Program, October 2009 – September 2010.

Publications

Journal Articles (peer-reviewed)

1. Rogers A and Raymer J (1998) The spatial focus of U.S. interstate migration flows. *International Journal of Population Geography* 4:63–80.
2. Rogers A and Raymer J (1999) The regional demographics of the elderly foreign-born and native-born populations in the United States since 1950. *Research on Aging* 21(1):3–35.
3. Rogers A and Raymer J (1999) Fitting observed demographic rates with the multiexponential model schedule: An assessment of two estimation programs. *Review of Urban & Regional Development Studies* 11(1):1–10.
4. Rogers A and Raymer J (1999) Estimating the regional migration patterns of the foreign-born population in the United States: 1950–1990. *Mathematical Population Studies* 7(3):181–216.
5. Rogers A, Little J, and Raymer J (1999) Disaggregating the historical demographic sources of regional foreign-born and native-born population growth in the United States: A new method with applications. *International Journal of Population Geography* 5:449–475.
6. Rogers A and Raymer J (2001) Immigration and the regional demographics of the elderly population in the United States. *Journal of Gerontology: Social Sciences* 56B(1): S44–S55.
7. Rogers A, Willekens F, and Raymer J (2001) Modeling interregional migration flows: Continuity and change. *Mathematical Population Studies* 9:231–263.
8. Rogers A, Willekens F, Little J, and Raymer J (2002) Describing migration spatial structure. *Papers in Regional Science* 81(1):29–48.
9. Rogers A, Willekens F, and Raymer J (2002) Capturing the age and spatial structures of migration. *Environment and Planning A* 34:341–359.
10. Rogers A, Willekens F, and Raymer J (2003) Imposing age and spatial structures on inadequate migration flow data sets. *The Professional Geographer* 55(1):56–69.
11. Rogers A, Raymer J, and Newbold KB (2003) Reconciling and translating migration data collected over time intervals of different widths. *The Annals of Regional Science* 37(4): 581–601.
12. Rogers A and Raymer J (2005) Origin dependence, secondary migration, and the indirect estimation of migration flows from population stocks. *Journal of Population Research* 22(1):1–19.
13. Raymer J, Bonaguidi A, and Valentini A (2006) Describing and projecting the age and spatial structures of interregional migration in Italy. *Population, Space and Place* 12(5):371–388.
14. Raymer J (2007) The estimation of international migration flows: A general technique focused on the origin–destination association structure. *Environment and Planning A* 39(4):985–995.
15. Raymer J, Abel G, and Smith PWF (2007) Combining census and registration data to estimate detailed elderly migration flows in England and Wales. *Journal of the Royal Statistical Society Series A (Statistics in Society)* 170(4):891–908.

16. Raymer J and Rogers A (2007) Using age and spatial flow structures in the indirect estimation of migration streams. *Demography* 44(2):199–223.
17. Raymer J and Giuliotti C (2009) Ethnic migration between area groups in England and Wales. *Area* 41(4):435–451.
18. Abel GJ, Bijak J and Raymer J (2010) A comparison of official population projections with Bayesian time series forecasts for England and Wales. *Population Trends* 141(Autumn):95–114.
19. de Beer J, Raymer J, van der Erf R and van Wissen L (2010) Overcoming the problems of inconsistent international migration data: A new method applied to flows in Europe. *European Journal of Population* 26(4):459–481.
20. Smith PWF, Raymer J and Giuliotti C (2010) Combining available migration data in England to study economic activity flows over time. *Journal of the Royal Statistical Society Series A (Statistics in Society)* 173(4):733–753.
21. Raymer J, Smith PWF and Giuliotti C (2011) Combining census and registration data to analyse ethnic migration patterns in England from 1991 to 2007. *Population, Space and Place* 17:73–88.
22. Raymer J, de Beer J and van der Erf R (2011) Putting the pieces of the puzzle together: Age and sex-specific estimates of migration amongst countries in the EU / EFTA, 2002–2007. *European Journal of Population* 27(2):185–215.
23. DeWaard J and Raymer J (2012) The temporal dynamics of international migration in Europe: Recent trends. *Demographic Research* 26:543–592.
24. DeWaard J, Kim K and Raymer J (2012) Migration systems in Europe: Evidence from harmonized flow data. *Demography* 49(4):1307–1333.
25. Raymer J, Abel GJ and Rogers A (2012) Does specification matter? Experiments with simple multiregional probabilistic population projections. *Environment and Planning A* 44:2664–2686.
26. Raymer J, Wiśniowski A, Forster JJ, Smith PWF and Bijak J (2013) Integrated modeling of European migration. *Journal of the American Statistical Association* 108(503):801–819.
27. Wiśniowski A, Bijak J, Christiansen S, Forster JJ, Keilman N, Raymer J and Smith PWF (2013) Utilising expert opinion to improve the measurement of international migration in Europe. *Journal of Official Statistics* 29(4):583–607.
28. Abel GJ, Bijak J, Forster JJ, Raymer J and Smith PWF (forthcoming) Integrating uncertainty in time series forecasts: An illustration using a simple projection model. *Demographic Research*.

Special Issues in Journals

Raymer J and Smith PWF, eds. (2010) Modelling migration flows. *Journal of the Royal Statistical Society Series A (Statistics in Society)* 173(4):703–705.

Books

1. Raymer J and Willekens F, eds. (2008) *International migration in Europe: Data, models and estimates*. Chichester: Wiley.

2. Rogers A, Little J and Raymer J (2010) *The indirect estimation of migration: Methods for dealing with irregular, inadequate, and missing data*. Dordrecht: Springer.
3. Salzman T, Edmonston B and Raymer J, eds. (2010) *Demographic aspects of migration*. Wiesbaden: VS Verlag.

Book Chapters

1. Raymer J (2008) Obtaining an overall picture of population movement in the European Union, in *International migration in Europe: Data, models and estimates*, Raymer J and Willekens FJ, eds., pp. 209–234. Chichester: Wiley.
2. Raymer J and Rogers A (2008) Applying model migration schedule families to estimate age-specific migration flows, in *International migration in Europe: Data, models and estimates*, Raymer J and Willekens FJ, eds., pp. 175–192. Chichester: Wiley.
3. Raymer J and Willekens F (2008) Introduction and outline, in *International migration in Europe: Data, models and estimates*, Raymer J and Willekens FJ, eds., pp. 1–8. Chichester: Wiley.
4. Willekens F and Raymer J (2008) Conclusion, in *International migration in Europe: Data, models and estimates*, Raymer J and Willekens FJ, eds., pp. 359–369. Chichester: Wiley.
5. Edmonston B, Raymer J and Salzman T (2010) Introduction, in *Demographic aspects of migration*, Salzman T, Edmonston B and Raymer J, eds., pp. 11–27. Wiesbaden: VS Verlag.
6. Raymer J (2010) A general framework for estimating population movements, in *Demographic aspects of migration*, Salzman T, Edmonston B and Raymer J, eds., pp. 73–96. Wiesbaden: VS Verlag.
7. Raymer J and Giulietti C (2010) Analysing structures of interregional migration in England, in *Technologies for migration and commuting analysis: Spatial interaction data applications*, Stillwell J, Duke-Williams O and Dennett A, eds., pp. 280–293. IGI Global: Hershey.
8. Little JS and Raymer J (2013) Log-linear models of migration flows, in *Tools for demographic estimation*, Moultrie T, Dorrington R, Hill A, Hill K, Timaeus I and Zaba B, eds., pp. 403–419. International Union for the Scientific Study of Population: Paris.

Other Publications and Current Working Papers

1. Raymer J (2006) Population change in the EU. *Geography Review*, 19(3):2–5.
2. Raymer J and Rogers A (2007) The American Community Survey's interstate migration data: Strategies for smoothing irregular age patterns. S3RI Methodological Working Paper M07/13, Southampton Statistical Sciences Research Institute, University of Southampton.
3. Raymer J and Abel GJ (2008) The MIMOSA model for estimating international migration flows in the European Union. Working paper 8, Joint UNECE/Eurostat Work Session on Migration Statistics, Geneva.
4. Abel GJ, Bijak J, Forster JJ, Raymer J and Smith PWF (2010) Bayesian population forecasts for England and Wales. Working Paper 37, Joint Eurostat/UNECE Work Session on Demographic Projections, Conference of European Statisticians, Lisbon.
5. Abel GJ, Bijak J, Forster JJ, Raymer J and Smith PWF (2010) What do Bayesian methods offer population forecasters? CPC Working Paper 6, ESRC Research Centre for Population Change, University of Southampton.

6. Raymer J, Forster, Smith PWF, Bijak J, Wiśniowski A and Abel GJ (2010) The IMEM model for estimating international migration flows in the European Union. Working paper 14, Joint UNECE/Eurostat Work Session on Migration Statistics, Geneva.
7. Raymer J, Forster JJ, Smith PWF, Bijak J and Wiśniowski A (2011) Integrated Modelling of European Migration: Background, specification and results. Paper prepared for IMEM Workshop, Chilworth, 25–27 May.
8. Wiśniowski A, Keilman N, Bijak J, Christiansen S, Forster JJ, Smith PWF and Raymer J (2011) Augmenting migration statistics with expert knowledge. Paper prepared for IMEM Workshop, Chilworth, 25–27 May.
9. Raymer J, Abel GJ, Disney G and W and Wiśniowski A (2011) Improving estimates of migration flows to Eurostat. CPC Working Paper 15, ESRC Research Centre for Population Change, University of Southampton.
10. Raymer J, Rees P and Blake A (2012) A conceptual framework for UK population and migration statistics. Migration Statistics Improvement Programme, Office for National Statistics, Titchfield.
11. Raymer J (2012) Information exchange and modeling: Solutions to imperfect data on population movements. Working paper 14, Work Session on Migration Statistics, Conference of European Statisticians, Economic Commission for Europe, United Nations, Geneva.
12. Waller L, Berrington A and Raymer J (2012) Understanding recent migrant fertility in the United Kingdom. CPC Working Paper 27, ESRC Research Centre for Population Change, University of Southampton.
13. Raymer J, Yildiz D and Smith PWF (2013) Review of methods for estimating populations with administrative data. S3RI report prepared for the National Records of Scotland, Edinburgh.

Book Reviews

1. Lutz W, Sanderson WC, and Scherbov S, eds. (2004) *The end of world population growth in the 21st Century: New challenges for human capital formation and sustainable development*. London: Earthscan. Review published in *Population, Space and Place* 11(3):207–208, 2005.
2. Poulain M, Perrin N and Singleton A, eds. (2006) *THESIM: Towards harmonised European statistics on international migration*. Louvain-la-Neuve: Presses Universitaires de Louvain. Review published in *Population Studies* 61(3):341–342, 2007.
3. Bonifazi C, Okólski M, Schoorl J and Simon P, eds. (2008) *International migration in Europe: New trends and new methods of analysis*. Amsterdam: Amsterdam University Press. Review published in *Population, Space and Place*, 15(6):540–541, 2009.
4. Goldin I, Cameron G and Balarajan M (2011) *Exceptional people: How migration shaped our world and will define our future*. Princeton, New Jersey: Princeton University Press. Review published in *Journal of Regional Science*, 53(2):349–351, 2013.

Editorial Boards

Demographic Research, May 2011 – Present
Demography, October 2010 – Present

Professional Associations

Australian Population Association
British Society for Population Studies
European Association for Population Studies
Population Association of America
Population Europe (Council of Advisors)

Research Affiliations

ESRC Centre for Population Change, United Kingdom
International Institute for the Study of Labor (IZA), Bonn University, Germany.
Population Program, Institute of Behavioral Science, University of Colorado, Boulder, USA.
Southampton Statistical Sciences Research Institute (S³RI), University of Southampton.