

Duncan THOMAS

Economics Department, Duke University

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Education

Ph.D. (Economics), Princeton University (1986)

B.Sc. (Economics with Statistics) (First Class Honors), Bristol University, England (1981).

Employment

Duke University Durham, NC	Norb F. Schaefer Distinguished Professor of International Studies (2013-present) Robert F. Durden Professor of Economics (2011-2013) Professor of Economics, Global Health and Public Policy (2007-present)
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UCLA Los Angeles, CA	Professor (2001-2010), Economics Department Associate Professor (1994-96), Professor (1996-2001) (Joint with RAND) Director Center for Health and Development (2002-7) Director, California Center for Population Research (2003-6)
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RAND Santa Monica, CA	Senior Economist, Labor and Population Program (1994-2001) (Joint with UCLA)
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Yale University New Haven, CT	Assistant Professor (1986-91), Associate Professor (1991-94), Economics Department; member, Economic Growth Center
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Other positions/service

University of North Carolina, Chapel Hill. Economics Department, Adjunct Professor (courtesy).
Carolina Population Center, Research Affiliate. (2015-present).

National Bureau of Economic Research, Development Economics Program Director (2012-2018).
Research Associate (Development Economics, Aging, Health Care programs) (2009-present).

Population Association of America, Vice President (2013), Vice-President Elect (2012), Board of
Directors (2005-2007); Finance Committee (2005-2007, Chair 2007), Pressler Award Selection
Committee (2008-2013), Membership Committee (2012-2013)

Bureau for Research and Economic Analysis of Development (BREAD), President (2007-2010)
Executive Committee (2010-2011, 2017-2020), Board of Directors (2004-present)

NIH Social Sciences and Population Studies B Study Section (2012-2015, Member; 2014-2015, Chair).

Journal of Development Economics, Associate Editor (2003-2009), Co-Editor, (2009-2012)

American Economic Journal – Applied Economics, Board of Editors, (2007-2016)

Economics and Human Biology, Editorial Board, (2005-present)

Economic Development and Cultural Change, Associate Editor, (2008-2010)

Journal of Human Resources, Co-Editor, (2003-2007)

Research in Economics, Editorial Board, (2001-2016)

Publications

- Ralph Lawton, Elizabeth Frankenberg, Teresa Seeman, Eileen Crimmins, Cecep Sumantri and Duncan Thomas. (2023). “Exposure to the Indian Ocean tsunami shapes the HPA- axis resulting in HPA- “burn-out” 14 years later.” *Proceedings of the National Academy of Sciences*, 120(44) e2306497120.
- Nicholas Ingwersen, Elizabeth Frankenberg and Duncan Thomas (2023). “Evolution of risk aversion over five years after a major natural disaster.” *Journal of Development Economics*, 163:103095.
- Elizabeth Frankenberg, Cecep Sumantri, Duncan Thomas (2023). “Understanding the impacts of a natural disaster.” Chapter in *Island Ecosystems: Challenges to Sustainability*. Stephen J. Walsh, Carlos Mena, Jill Stewart, Juan Pablo Munoz (Ed). Springer Nature Publisher.
- Elizabeth Frankenberg, Nicholas Ingwersen, Rene Iwo, Cecep Sumantri and Duncan Thomas (2023). “Impacts of disaster-induced death and destruction on health and mortality over the longer-term.” Selena Ortiz, Susan McHale, Valarie King and Jennifer Glick (eds.) *Environmental impacts on families: Change, challenge and adaption*. Chapter 1, pp 3-32. Springer Nature Publisher.
- Brian Beach, Ryan Brown, Joseph Ferrie, Martin Saavedra and Duncan Thomas (2022). “Re-evaluating the long-term impact of in utero exposure to the 1918 influenza pandemic.” *Journal of Political Economy*, 130.87:1963-90.
- Maria Laurito, Elizabeth Frankenberg and Duncan Thomas (2022). “Effects of Housing Aid on Psychosocial Health after a Disaster.” *International Journal of Environmental Research and Public Health, Special Issue on Disaster Recovery and Population Health* edited by David Abramson, Mark VanLandingham and Mary Waters, 19(12) 7302.
- Arun Karlamangla, David Almeida, Margie Lachman, Sharon Merkin, Duncan Thomas and Teresa Seeman (2022) “Diurnal dynamic range as index of dysregulation of system dynamics. A cortisol exemplar using data from the Study of Midlife in the United States.” *Psychoneuroendocrinology* 142:105804.
- Duncan Thomas, Ralph Lawton, Tyson Brown and Rachel Kranton. (2021). Prevalence, severity and distribution of depression and anxiety symptoms using observational data collected before and nine months into the COVID-19 pandemic. *The Lancet Regional Health – Americas* 1.100009.
- Elizabeth Frankenberg, Cecep Sumantri and Duncan Thomas. (2020). “Exposure to stress and adult mortality over the long run: Evidence from a natural disaster.” *Nature Sustainability*, 3(8): 614-9. <https://doi.org/10.1038/s41893-020-0536-3>
- Ryan Brown, Veronica Montalva, Duncan Thomas and Andrea Velasquez. (2019). “Impact of violent crime on risk aversion: Evidence from the Mexican Drug War,” *Review of Economics and Statistics*, 101.5:892-904.
- Elizabeth Frankenberg and Duncan Thomas. (2018). “Human capital and shocks: Evidence on education, health and nutrition,” in C. Barrett, M. Carter and J-P Chavas, (eds.), *The Economics of Poverty Traps*, Chicago: University of Chicago, Chapter 1, 23-56.
- Duncan Thomas, Elizabeth Frankenberg, Teresa Seeman and Cecep Sumantri. (2018). “Effect of stress on cardiometabolic health 12 years after the Indian Ocean tsunami: a quasi-experimental longitudinal study”, *The Lancet Planetary Health*, 2.S8.

- Duncan Thomas, Teresa Seeman, Alan Potter, Peifeng Hu, Eileen Crimmins, Elizabeth Henny Herningtyas, Cecep Sumantri and Elizabeth Frankenberg. (2018). "HPLC-based measurement of glycated hemoglobin using dried blood spots collected under adverse field conditions," *Biodemography and Social Biology*, 64.1:43-62.
- Teresa Seeman, Duncan Thomas, Sharon Merkin, Kari Moore, Karol Watson and Arun Karlamangla. (2018). "The Great Recession worsened blood pressure and blood glucose levels in American adults," *Proceedings of the National Academy of Sciences*, 115(13):3296-3301, March. doi: 10.1073/pnas.1710502115
- Jessica Ho, Elizabeth Frankenberg, Cecep Sumantri and Duncan Thomas. (2017). "Adult mortality five years after a natural disaster: Evidence from the Indian Ocean tsunami", *Population and Development Review*, 43.3:467-90.
- Dan LaFave and Duncan Thomas. (2017). "Extended families and child development" *Journal of Development Economics*, 126:52-65.
- Dan LaFave and Duncan Thomas. (2017). "Height and cognition at work: Labor market productivity in a low income setting" *Economics and Human Biology*, 25:52-64. PMID: 5419881
- Elizabeth Frankenberg, Jed Friedman, Nicholas Ingwersen and Duncan Thomas. (2017). "Linear child growth after a natural disaster: a longitudinal study of the effects of the 2014 Indian Ocean tsunami", *The Lancet*, Meeting Abstracts, 389.S21, April.
- Dan LaFave and Duncan Thomas. (2016). "Farms, families and markets: New evidence on the completeness of markets in agricultural settings." *Econometrica*, 84.5:1917-60. PMID: 5036399
- Elizabeth Frankenberg, Cecep Sumantri and Duncan Thomas. (2016). "The evolution of well-being in the aftermath of a disaster: Evidence from Aceh and North Sumatra." in Helen James and Douglas Paton, (eds.), *The Consequences of Disasters: Demographic, planning and policy implications*, C. C. Thomas, Illinois.
- Elizabeth Frankenberg, Jessica Ho and Duncan Thomas. (2016). "Biological health risks and economic development." in John Komlos and Inas Rashad Kelly (eds.) *The Oxford Handbook of Economics and Human Biology*, Oxford University Press.
- Irma Elo, Elizabeth Frankenberg, Romeo Gansey and Duncan Thomas. (2015). "Africans in the American labor market." *Demography*, 52:1513-42. PMID: 4607652
- Jenna Nobles, Elizabeth Frankenberg and Duncan Thomas. (2015). "The effects of mortality on fertility: Population dynamics after a natural disaster." *Demography*, 52:15-38. PMID: 4411230
- Elizabeth Frankenberg and Duncan Thomas. (2015). "Experimental methods in population studies." in James D. Wright (ed.), *International Encyclopedia of the Social and Behavioral Sciences*, 2nd edition, Vol 8, 101-108, 2015, Elsevier: Amsterdam.
- Elizabeth Frankenberg, Maria Marta Laurito and Duncan Thomas. (2015). "The demography of disasters." in James D. Wright (ed.), *International Encyclopedia of the Social and Behavioral Sciences*, 2nd edition, Vol 8, 559-565, Elsevier: Amsterdam, (
- Clark Gray, Elizabeth Frankenberg, Thomas Gillespie and Cecep Sumantri and Duncan Thomas. (2014). "Studying displacement after a disaster using large-scale survey methods: Sumatra after the 2004 Tsunami." *Annals of the Association of American Geographers*, 104.3:594-612. PMID: 4019446

- Ava Cas, Elizabeth Frankenberg, Wayan Suriastini and Duncan Thomas. (2014). "The impact of parental death on child well-being: Evidence from the Indian Ocean tsunami." *Demography* 51:437-57. PMID: 4229656
- Amar Hamoudi and Duncan Thomas. (2014). "Endogenous co-residence and program incidence: South Africa's old age pension." *Journal of Development Economics*, 109:30-37. PMID: 4138532
- Thomas Gillespie, Elizabeth Frankenberg and Kai Fung Chum and Duncan Thomas. (2014). "Nighttime lights time series of tsunami damage and recovery in Sumatra, Indonesia." *Remote Sensing Letters*, 5.3:286-294. PMID: 4235966
- Emily Weaver, Elizabeth Frankenberg, Bruce Fried, Paul John, Duncan Thomas and Stephanie Wheeler. (2013). "Effect of the Village Midwife program on contraceptive prevalence and method choice in Indonesia" *Studies in Family Planning*, 44.4 389-409. PMID: 3932669
- Hiram Beltran-Sanchez, Duncan Thomas, Graciela Teruel, Felicia Wheaton and Eileen Crimmins. (2013). "Links between socioeconomic circumstances and changes in smoking behavior in the Mexican population: 2002-2010," *Journal of Cross Cultural Gerontology*, 28.3 339-358. PMID: 3777536.
- Elizabeth Frankenberg, Bondan Sikoki, Cecep Sumantri, Wayan Suriastini and Duncan Thomas. (2013). "Education, vulnerability and resilience after a natural disaster", *Ecology and Society*, 18.2:16. Reprinted in *Education and Differential Vulnerability to Natural Disasters* (William Butz, Wolfgang Lutz and Jan Sendzimir, eds.), Vienna: IASA, 2014. PMID: 4144011
- Christopher McKelvey, Elizabeth Frankenberg and Duncan Thomas. (2012). "Fertility regulation in an economic crisis", *Economic Development and Cultural Change*, 61.1:7-38. PMID: 4384462
- Duncan Thomas, Firman Witoelar, Elizabeth Frankenberg, Bondan Sikoki, John Strauss, Cecep Sumantri and Wayan Suriastini. (2012). "Cutting the costs of attrition: Evidence from the Indonesia Family Life Survey", *Journal of Development Economics*, 98.1:108-123. PMID: 4332578
- Elizabeth Frankenberg, Thomas Gillespie, Samuel Preston and Bondan Sikoki and Duncan Thomas. (2011). "Mortality, family and the Indian Ocean Tsunami", *Economic Journal*, 121:554:F162-82. PMID: 4389648
- Hiram Beltran-Sanchez, Eileen Crimmins, Graciela Teruel and Duncan Thomas. (2011). "Links between childhood and adult social circumstances and obesity and hypertension in the Mexican population", *Journal of Aging and Health*, 23.7:1141-64. PMID: 3187536
- Elizabeth Frankenberg and Duncan Thomas. (2011). "Global Aging," in Robert Binstock and Linda George, *Handbook of Aging in the Social Sciences*, London: Academic Press.
- Duncan Thomas. (2010). "Health and socio-economic status: The importance of causal pathways", in Boris Pelskovic and Justin Yifu Lin (eds.) *World Bank Annual Conference on Development Economics*, 2010.
- Jed Friedman and Duncan Thomas. (2009). "Psychological health before, during and after an economic crisis: Results from Indonesia 1993-2000", *World Bank Economic Review*, 23.1, 57-76. PMID: 4399497
- Luis Rubalcava, Graciela Teruel and Duncan Thomas. (2009). "Investment, time preferences and public transfers paid to women", *Economic Development and Cultural Change*, 57.3:507-38.
- Elizabeth Frankenberg, Jed Friedman, Thomas Gillespie, Nick Ingwersen, Robert Pynoos, Bondan Sikoki Alan Steinberg, Cecep Sumantri, Wayan Suriastini and Duncan Thomas. (2008). "Mental health

- in Sumatra after the Tsunami”, *American Journal of Public Health*, 98:1671-1677. PMID: 2509591
- Steven Stillman and Duncan Thomas. (2008). “Nutritional status during an economic crisis: Evidence from Russia”, *Economic Journal* 118.531:1385-1417.
- John Strauss and Duncan Thomas. (2008). “Health over the life course” in T. Paul Schultz and John Strauss, (eds.), *Handbook of Development Economics Volume 4*, Chapter 54, 3375-3474, Elsevier Press.
- Duncan Thomas. (2008). “Household surveys” in Steven Durlauf and Lawrence Blume (eds.) *The New Palgrave Dictionary of Economics*, Second edition, MacMillan.
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- Luis Rubalcava, Graciela Teruel, Duncan Thomas and Noreen Goldman. (2008). “The healthy migrant effect: New findings from the Mexican Family Life Survey,” *American Journal of Public Health*, 98:78-84. PMID: 2156065
- Elizabeth Frankenberg, Jed Friedman, Fadia Saadah, Bondan Sikoki, Wayan Suriastini, Cecep Sumantri and Duncan Thomas. (2008). “Assessing health and education services in the aftermath of a disaster”, in Fadia Amin, Jishnu Das and Markus Goldstein (eds.) *Are you being served? New tools for measuring service delivery*. Washington: World Bank Publications.
- Thomas Gillespie, Jasmine Chu, Elizabeth Frankenberg and Duncan Thomas. (2007). “Assessment and prediction of natural hazards from satellite imagery”, *Progress in Physical Geography*, 31.5:459-70. PMID: 4144012
- Duncan Thomas and Elizabeth Frankenberg. (2007). “Household responses to the financial crisis in Indonesia: Longitudinal evidence on poverty, resources and well-being”, in Ann Harrison, (ed.), *Globalization and Poverty*, University of Chicago Press.
- Judith Seltzer, Christine Bacharach, Suzanne Bianchi, Caroline Bledsoe, Lynne Casper, Lindsay Chase-Lansdale, Thomas DiPrete, Joseph Hotz, Philip Morgan, Seth Sanders and Duncan Thomas. (2006). “Explaining family change and variation: Challenges for family demographers”, *Journal of Marriage and Family*, 67.4:908-25. PMID: 2849145
- Elizabeth Frankenberg, Doug McKee and Duncan Thomas. (2005). “Health consequences of forest fires”, *Demography* 42.1:109-29.
- Elizabeth Frankenberg, Wayan Suriastini and Duncan Thomas. (2005). "Can expanding access to basic health care improve children's health status? Lessons from Indonesia's Midwife in the Village program", *Population Studies* 59.1:5-19.
- Duncan Thomas, Kathleen Beegle, Elizabeth Frankenberg, Bondan Sikoki, John Strauss and Graciela Teruel. (2004). "Education during a crisis", *Journal of Development Economics*, 74.1:53-86.
- John Strauss and Duncan Thomas. (2004). "Empirical modeling of investments in health and nutrition", in I. Elbadawi, D. Sahn and E. Thorbecke, (eds.) *Recent Advances in Research on Poverty*, Nairobi: African Economic Research Council.

- Kathleen Beegle, Elizabeth Frankenberg and Duncan Thomas. (2003). "Labor market transitions of men and women during an economic crisis: Evidence from Indonesia", forthcoming in B. Garcia, R. Anker and A. Pinnelli (eds.) *Women in the labour market in changing economies: Demographic issues*, Oxford University Press, pp 37-58.
- Elizabeth Frankenberg, James P. Smith and Duncan Thomas. (2003). "Economic shocks, wealth and welfare", *Journal of Human Resources*, 38.2:280-321.
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- James P. Smith and Duncan Thomas. (2003) "Remembrances of things past: Test-retest reliability of retrospective migration histories", *Journal of the Royal Statistical Society*, Part A, 166.1:23-49.
- Elizabeth Frankenberg and Duncan Thomas. (2002). "The measurement and interpretation of health in social surveys", in C. Murray, J. Salomon, C. Mathers and A. Lopez (eds.) *Summary Measures of Population Health: Concepts, Ethics, Measurement and Applications*, World Health Organization, Chapter 8.2, pp 387-420.
- Eliana Garces, Janet Currie and Duncan Thomas. (2002). "The longer term effects of Head Start", *American Economic Review*, 92.4:999-1012, September.
- Elizabeth Frankenberg and Duncan Thomas. (2002). "Health, nutrition and economic prosperity: A microeconomic perspective", *Bulletin of the World Health Organization*, 80:106-113. PMID: 2567722
Extended version published as Working Paper 7, Working Group 1, WHO Commission on Macroeconomics and Health, WHO, Geneva.
- James P. Smith, Duncan Thomas, Kathleen Beegle, Elizabeth Frankenberg and Graciela Teruel. (2002). "Wages, employment and economic shocks: Evidence from Indonesia", *Journal of Population Economics*, 15:161-93.
Reprinted in Pedro Goulart, Raul Ramos and Gianluca Ferrittu (eds.) *Palgrave Readers in Economics: Global Labour in Distress, Volume 1: Globalization, Technology and Labour Resilience*. 2023. Springer Nature. https://doi.org/10.1007/978-3-030-89258-6_22
- Duncan Thomas, Elizabeth Frankenberg and James P. Smith. (2001). "Lost but not forgotten: Attrition and follow-up in the Indonesia Family Life Survey", *Journal of Human Resources* 36.3: 556-592, Summer.
- Janet Currie and Duncan Thomas. (2001). "Early test scores, school quality and SES: Long run effects on wages and employment outcomes", in Solomon Polachek, (ed.), *Research in Labor Economics*, 20:103-32.
Reprinted with an updated introduction in Solomon W. Polachek and Konstantinos Tatsiramos (eds.) *35th Anniversary Retrospective (Research in Labor Economics, Volume 35)*, Emerald Group Publishing, 185-214, 2012.
- Elizabeth Frankenberg and Duncan Thomas. (2001). "Women's health and pregnancy outcomes: Does access to services make a difference?", *Demography*, 38.2: 253-65, May.
- Kathleen Beegle, Elizabeth Frankenberg and Duncan Thomas. (2001). "Bargaining power within couples and reproductive health care use in Indonesia", *Studies in Family Planning*, 32.2:130-146, June.
- Janet Currie and Duncan Thomas. (2000). "School quality and the long-term effects of Head Start", *Journal of Human Resources*, 35.4:755-74, Fall.

- Duncan Thomas. (2000). "Comments on 'Intrahousehold allocations: A review of theories and empirical evidence' by John Strauss, Germano Mwabu and Kathleen Beegle", *Journal of African Economies*, 9.1:144-49, June.
- Janet Currie and Duncan Thomas. (1999). "Does Head Start help Hispanics?" *Journal of Public Economics*, 74.2:235-262, November.
- Janet Currie and Duncan Thomas. (1999). "The intergenerational transmission of intelligence: Down the slippery slopes of 'The Bell Curve'," *Industrial Relations*, 38.3:297-330, July.
- Duncan Thomas. (1999). "Fertility, education and resources in South Africa", in Bledsoe, C., J. Casterline and J. Haaga, *Critical perspectives on schooling and fertility in the developing world*, Washington, D.C.:National Academy of Sciences Press, 138-181.
- James P. Smith and Duncan Thomas. (1998). "On the road: Marriage and mobility in Malaysia", *Journal of Human Resources*, 33.4:805-832, Winter.
- John Strauss and Duncan Thomas. (1998). "Health, nutrition and economic development", *Journal of Economic Literature*, 36:737-782, June.
- Elizabeth Frankenberg, Wayan Suriastini and Duncan Thomas. (1997). "Nutritional status in Indonesia: Evidence from the 1993 Indonesian Family Life Survey", *Journal of Population*, 4.1:1-35, January.
- Duncan Thomas. (1997). "Incomes, expenditures and health outcomes: Evidence on intra-household resource allocation", in L. Haddad, J. Hoddinott and H. Alderman, (eds.) *Intra-household resource allocation in developing countries: Models, methods, and policy*, Baltimore:Johns Hopkins Press, 142-164.
- Janet Currie and Duncan Thomas. (1997). "Do the benefits of childhood education last?", *Policy Options*, 43-48, July/August.
- Duncan Thomas and John Strauss. (1997). "Health and wages of men and women in urban Brazil", *Journal of Econometrics*, 77.1:159-186, March.
Reprinted as Chapter 1 in P. Bardhan and C. Udry, *Readings in Development Economics: Empirical Microeconomics*, MIT Press, 2000.
- John Strauss and Duncan Thomas. (1996). "Wages, schooling and background: investments in men and women in Brazil", in N. Birdsall and R. Sabot (eds.), *Opportunity foregone: Education in Brazil*, Johns Hopkins Press, 147-92.
- Duncan Thomas, Victor Lavy and John Strauss. (1996). "Public policy and anthropometric outcomes in the Côte d'Ivoire", *Journal of Public Economics*, 61.2:155-92, August.
- Victor Lavy, John Strauss, Duncan Thomas and Philippe de Vreyer. (1996). "Quality of health care, survival and health outcomes in Ghana", *Journal of Health Economics*, 15.3:333-57.
- John Strauss and Duncan Thomas. (1996). "Measurement and mismeasurement of social indicators", *American Economic Review Papers and Proceedings*, 86.2:30-34, May.
- Duncan Thomas. (1996). "Education across generations in South Africa", *American Economic Review Papers and Proceedings*, 86.2:330-34, May.

- John Maluccio and Duncan Thomas. (1996). "Contraceptive choice, fertility and public policy in Zimbabwe", *World Bank Economic Review*, 10.1:187-219, January.
- John Strauss and Duncan Thomas. (1995). "Human resources: Empirical models of household decisions", in Behrman, J. R. and T. N. Srinivasan, (eds.), *Handbook of Development Economics*, (Volume IIIA), North Holland, 1885-2023.
- John Strauss and Duncan Thomas. (1995). "Health and labor productivity: Sorting out the relationships", in *Agricultural competitiveness, market forces and policy choice*, proceedings of 22nd International Conference of Agricultural Economists, Harare, Zimbabwe, (with John Strauss).
- Janet Currie and Duncan Thomas. (1995). "Does Head Start make a difference?" *American Economic Review*, 85.3:341-364, June.
- Janet Currie and Duncan Thomas. (1995). "Medical care for children: Public insurance, private insurance and racial differences in utilization", *Journal of Human Resources*, 30.1:135-162, Winter.
- Duncan Thomas. (1994). "Like father, like son or like mother, like daughter: Parental education and child health", *Journal of Human Resources*, 29.4:950-89, Fall.
Reprinted in T. Paul Schultz (ed.) *Economic Demography, The International Library of Critical Writings in Economics*, Edward Elgar, 1998.
- Duncan Thomas and Ityai Muvandi. (1994). "How fast is fertility declining in Botswana and Zimbabwe?", *World Bank Discussion Paper*, June.
- Duncan Thomas and Ityai Muvandi. (1994). "The demographic transition in Southern Africa: Another look at the evidence from Botswana and Zimbabwe", *Demography*, 31.2:177-199, May.
- Duncan Thomas and Ityai Muvandi. (1994). "The demographic transition in Southern Africa: Reviewing the evidence from Botswana and Zimbabwe", *Demography*, 31.2:209-19, May.
- Duncan Thomas. (1993). "The distribution of household incomes and expenditures", *Comitato Internazionale Per Lo Sviluppo Dei Populi*, 5:73-92, 1993.
- John Strauss and Duncan Thomas. (1992). "Prices, infrastructure, household characteristics and child height", *Journal of Development Economics*, 39.2:301-332, October.
- Duncan Thomas. (1992). "Testing for sectoral differences in child anthropometric status in Zimbabwe", *Health Policy and Planning*, 7.2:181-6.
- Duncan Thomas. (1992). "The distribution of income and expenditure within the household", *Annals of Economics and Statistics*, 29:109-36, 1992.
Reprinted in *International Journal of Development Banking*, July, 1994.
- Duncan Thomas, John Strauss and Marisa Barbosa. (1991). "Income and price elasticities of the demand for food", *Pesquisa e Planejamento Economico*, 21.2:305-54, August.
- Duncan Thomas, John Strauss and Maria Helena Henriques. (1991). "How does mother's education affect child height?", *Journal of Human Resources*, 26.2:183-211, Spring.
- John Strauss, Duncan Thomas, Mariza Barbosa, Sonia Teixeira and Raimundo Gomes Junior. (1991). "Modelling the use and adoption of technologies by upland rice and soybean farmers in Central-West Brazil", *Agricultural Economics*, 5:341-59.

- Duncan Thomas, John Strauss and Maria Helena Henriques. (1990). "Child survival, height for age and household characteristics in Brazil", *Journal of Development Economics*, 33:197-234, October.
- Duncan Thomas. (1990). "Intra-household resource allocation: an inferential approach", *Journal of Human Resources*, 25.4:635-664, Fall.
Reprinted in
Nancy Folbre (ed.) *The Economics of the Family, The International Library of Critical Writings in Economics*, Edward Elgar, 1995.
P. Bardhan and C. Udry (eds.) *Readings in Development Economics: Empirical Microeconomics*, MIT Press, 2000.
Centre for the Study of Human Development, *Gender and Development*, Wisdom House Publications, 2001.
S. A. Grossbard (ed.) *The Economics of Marriage, The International Library of Critical Writings in Economics*, Edward Elgar, 2015.
- Angus Deaton, Javier Ruiz-Castillo and Duncan Thomas. (1989). "The influence of household composition on household expenditure patterns: Theory and Spanish evidence", *Journal of Political Economy*, 97.1:179-200, February.
- Duncan Thomas, John Strauss and Maria Helena Henriques. (1989). "Child survival, nutritional status and household characteristics: Evidence from Brazil", *Pesquisa e Planejamento Economico*, 19.3:427-82, December.
- Duncan Thomas. (1986). "Can food shares be used as a welfare measure?", October, unpublished Ph.D. dissertation, Princeton University.
- Duncan Thomas. (1982). "Analysis of labour policy", in Doris Jansen (ed.), *Zimbabwe : Government Policy and the Manufacturing Sector*, Zimbabwe Government, Harare, Zimbabwe.

Unpublished manuscripts

- Ralph Lawton, Elizabeth Frankenberg, Jed Friedman and Duncan Thomas (2021). "Long-term economic well-being after the 2004 Indian Ocean tsunami."
- Arun Karlamangla, David Almeida, Margie Lachman, Sharon Merkin, Duncan Thomas and Teresa Seeman (2021). "Diurnal Dynamic Range as Index of Dysregulation of System Dynamics. A Cortisol Exemplar using Data from the Study of Midlife in the United States."
- Ralph Lawton, Rachel Kranton, Tyson Brown, Donald Taylor, Victoria Lee, Michelle Wong and Duncan Thomas. (2021). "Mental health one year into the COVID-19 pandemic after vaccinations have begun: Longitudinal evidence."
- Yuan Zhang, Elizabeth Frankenberg and Duncan Thomas. (2021). "Effects of education on cognition in a low income setting: Differences within adults."
- Duncan Thomas, Tyson Brown, Donald Taylor, Ralph Lawton, Victoria Lee, Menna Mburi, Michelle Wong and Rachel Kranton. (2021). Depression symptoms during the COVID-19 pandemic among well-educated, employed adults with low infection risks.
- Ralph Lawton, Elizabeth Frankenberg, Cecep Sumantri, Teresa Seeman, Eileen Crimmins and Duncan Thomas (2021). Cortisol levels 15 years after a natural disaster.
- Elizabeth Frankenberg and Duncan Thomas. (2020). "Cardio-metabolic health risks in Indonesia: Trajectories of body mass index over 20 years and links with other cardio-metabolic risks."

- Ryan Brown and Duncan Thomas. (2021). “On the long-term effects of the 1918 Influenza Pandemic”, BREAD working paper 569.
- Maria Genoni, Gabriela Farfan, Luis Rubalcava, Graciela Teruel, Duncan Thomas and Andrea Velasquez (2021). “Mexicans in America.”
- Marcos Rangel and Duncan Thomas. (2021). “Decision-making in complex households.” NBER working paper 26511.
- Daniel LaFave, Evan Peet and Duncan Thomas. (2021). Farm profits, prices and household behavior.” NBER working paper 26636
- Jeremy Lebow, Duncan Thomas, Xiao Yu Wang and Daniel Xu. (2020). “Parenthood and labor market outcomes in Indonesia.”
- Elizabeth Frankenberg, Ralph Lawton, Teresa Seeman, Cecep Sumantri and Duncan Thomas. (2019). “The causal impact of stress on inflammation over the long-term.”
- Elizabeth Frankenberg, Maria Laurito and Duncan Thomas. (2017). “Displacement, housing reconstruction and long-term well-being after the Indian Ocean tsunami.”
- Elizabeth Frankenberg, Jed Friedman, Nicholas Ingwersen, Wayan Suriastini and Duncan Thomas. (2017). “The impact of a natural disaster on child health.”
- Elizabeth Frankenberg, Maria Laurito and Duncan Thomas. (2017). “Should I stay or should I go?”
- Ryan Brown, Elizabeth Frankenberg, Jessica Ho, Arun Karlamangla, Teresa Seeman, Duncan Thomas and Andrea Velasquez. (2017). “Exposure to violent crime and population health: Impact of the Mexican War on Drugs on blood pressure.”
- Gina Turrini, Gabriela Farfan, Maria Genoni, Duncan Thomas and Andrea Velasquez. (2017). “Causal effects of universal health insurance: Evidence on child health in Mexico.”
- “There’s no place like home: Housing reconstruction and assistance after the 2004 Indian Ocean tsunami”, April 2015, (with Elizabeth Frankenberg and Maria Laurito).
- “Contraception in the aftermath of a natural disaster”, April, 2014, (with Elizabeth Frankenberg and Jenna Nobles).
- “Intergenerational transfers by Mexican migrants in the United States”, April 2014, (with Gabriela Farfan, Maria Genoni, Luis Rubalcava, Graciela Teruel, Duncan Thomas and Andrea Valesquez).
- “Conditional cash transfers and child nutrition”, July, 2012, (with Gabriela Farfan, Maria Genoni, Luis Rubalcava and Graciela Teruel).
- “Family formation in Indonesia after the 2004 Indian Ocean tsunami, April 2012, (with Michael Burrows, Elizabeth Frankenberg and Peter Katz)
- “Return migration after a tsunami”, March 2011, (with Elizabeth Frankenberg and Clark Gray).
- “Health and well-being in an economic crisis”, December 2010, (with Elizabeth Frankenberg).

“Attrition in longitudinal surveys: Evidence from the Mexican Family Life Survey”, June 2010, (with Andrea Velasquez, Maria Genoni, Luis Rubalcava and Graciela Teruel).

“Dynamics of health over the life course” May, 2010, (with Elizabeth Frankenberg).

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“Causal effect of health on labor market outcomes: Experimental evidence” January 2010, (with Elizabeth Frankenberg, Jed Friedman, Jean-Pierre Habicht, Nicholas Ingwersen, Christopher McKelvey, Mohammed Hakimi, Jaswadi, Gretel Peltó, Bondan Sikoki, Teresa Seeman, James P. Smith, Cecep Sumantri, Wayan Suriastini, Siswanto Wilopo).

“Preferences and economic behaviors”, December, 2009 (with Maria Genoni).

“Aid in response to a massive shock.” May 2009, (with Elizabeth Frankenberg, Nick Ingwersen, Bondan Sikoki and Wayan Suriastini).

“Impact of the 2004 Tsunami on the economic lives of Indonesians.” May 2009, (with Elizabeth Frankenberg, Jed Friedman, Peter Katz, Bondan Sikoki)

“Inflammation and socio-economic status in a low income population.” June 2008 (with Eileen Crimmins, Elizabeth Frankenberg, Thomas McDade and Teresa Seeman).

“Mobilizing the family improves the efficacy of a large-scale nutrition intervention”, July 2007, (with Elizabeth Frankenberg, Nathan Jones, Jean Pierre Habicht, Gretel Peltó, Bondan Siki).

"Do you care? Altruism and intergenerational exchanges in rural Mexico" March 2006, (with Amar Hamoudi).

"Family bargaining and welfare", July 2005, (with Luis Rubalcava).

"Iron supplementation, iron deficient anemia and hemoglobinopathies: Evidence from older adults in rural Indonesia" July 2005, (with Elizabeth Frankenberg, Jed Friedman, Jean-Pierre Habicht, Christopher McKelvey, Gretel Peltó, Bondan Sikoki, Cecep Sumantri, Wayan Suriastini)

"Income shocks and household behavior: Evidence from the Bali bombing", October, 2004, (with Elizabeth Frankenberg, Bondan Sikoki and Wayan Suriastini).

"Child health and the distribution of household resources at marriage", September, 2004, (with Dante Contreras and Elizabeth Frankenberg).

"The real costs of the financial crisis in Indonesia", January, 1999 (with Kathleen Beegle and Elizabeth Frankenberg).

"Income shares and shares of income: Empirical tests of models of household resource allocations", December, 1993 (with Chien-Liang Chen).

"The shape of the calorie-expenditure curve", mimeo, June, 1990, (with John Strauss).

Grants and financial support

- “Long-term impacts on human capital of children exposed to a natural disaster,” National Institute for Child Health and Human Development, R03, HD111816. (August 2023-July 2024) Nicholas Ingwersen, Elizabeth Frankenberg and Duncan Thomas. Investigator.
- “Longer-term effects of a natural disaster on health and socioeconomic status,” National Institute for Child Health and Human Development, R01, HD052762. (October 2007-May 2025) Elizabeth Frankenberg, Duncan Thomas, Bondan Sikoki and Cecep Sumantri. Co-PI.
- “Longer-term effects of a natural disaster on cognitive aging, dementia, health and well-being of older adults.” National Institutes of Aging, R01, AG065395. (May 2020-May 2025) Elizabeth Frankenberg and Duncan Thomas), Multi-PI.
- “Cognitive decline after a major natural disaster,” First Year Pilot Project in Center to Accelerate Population Research in Alzheimer’s, P30, AG 066582 (August 2020-June 2025) Julie Bynum, University of Michigan, PI.
- “Cardiovascular health effects of the Great Recession,” National Institutes of Aging, R01, (September 2018-August 2023) Teresa Seeman, Arun Karlamangla, Duncan Thomas, MultiPI.
- “Measurement of inflammation biomarkers among survivors during the decade after the Indian Ocean tsunami”, Our Planet Our Health Extension Award, 106/853/A/15/Z, Wellcome Trust, (January 2018-May 2019) Elizabeth Frankenberg and Duncan Thomas, MultiPI; Teresa Seeman, Bondan Sikoki, Cecep Sumantri and Wayan Suriastini, co-PIs.
- “Longitudinal evidence on the longer term impacts of environmental change on population health and nutrition”, Sustaining Health Award, 106/853/A/15/X, Wellcome Trust, (July 2015-June 2017) Elizabeth Frankenberg and Duncan Thomas, multi-PIs. Emily Bernhardt, Kelly Brownell, Thomas Gillespie, Marc Jeuland, Teresa Seeman, Bondan Sikoki, Mary Story, Cecep Sumantri and Wayan Suriastini, co-PIs.
- “Biomarker cross-calibration to investigate international health inequalities”, National Institute on Aging R01 AG049020 (January 2016-December 2021) Teresa Seeman and Eileen Crimmins, co PIs. Perry Hu, Jinkook Lee, Heather McCreath, Alan Potter, John Strauss and Duncan Thomas, co-Investigators.
- "Measuring health effects of the Great Recession", National Institutes of Aging, R21 (July 2014-June 2017) Teresa Seeman, Ana Diez-Roux, Arun Karlamangla and Duncan Thomas, co-PIs.
- "Evolution of well-being among older adults after a disaster", National Institutes of Aging, R01 (December 2007-August 2018) Elizabeth Frankenberg and Duncan Thomas, MultiPIs. Steve Cole, Eileen Crimmins, Thomas Gillespie, Samuel Preston, Teresa Seeman and Bondan Sikoki, co-PIs.
- "Longer term effects of the Indian Ocean tsunami", National Institute for Child Health and Human Development, R01, (October 2007-December 2017) Elizabeth Frankenberg and Duncan Thomas, MultiPIs. Bondan Sikoki and Wayan Suriastini, co-PIs.
- “Mechanisms of demand building and export dynamics of Chinese footwear firms”, UK Department for International Development, PEDL, Daniel Xu, PI. Co-investigator. (May 2012-October 2013)
- “Pathways to health and illness”, National Institutes of Aging, P01, (Carol Ryff, PI) co-PI, Methods Core (August 2011-July 2016)

- “Advancing science in economics, population and reproductive health.” Hewlett Foundation. (July 2009-June 2012). PI.
- "Longitudinal study of older adults and their families in Mexico", National Institutes of Aging, R01 (August 2008-July 2014) (with Eileen Crimmins, Thom McDade, Elizabeth Frankenberg, Luis Rubalcava, Teresa Seeman and Graciela Teruel), PI.
- “Reproductive health, empowerment of women and economic prosperity”, Hewlett Foundation/Population Reference Bureau (July 2007-June 2010) (with Elizabeth Frankenberg, Amar Hamoudi, Christopher McKelvey, Luis Rubalcava, Bondan Sikoki, Cecep Sumantri, Wayan Suriastini, Graciela Teruel), PI
- “Training in International Population and Health Sciences”, Fogarty International Center, NIH, D43, (September 2006-March 2013), PI
- "Preferences and economic decision-making", National Institute for Child Health and Human Development, R01, (January 2006-December 2012) (with Catherine Eckel, Cathleen Johnson, Joseph Hotz, Cesar Martinelli, Susan Parker, Luis Rubalcava, Graciela Teruel), PI.
- "2nd and 3rd waves of the Mexican Family Life Survey", National Institute for Child Health and Human Development, R01, (May 2005-April 2012) (with Elizabeth Frankenberg, Luis Rubalcava and Graciela Teruel), PI.
- "Measuring preferences in social surveys", National Institute for Child Health and Human Development, R21, (June 2005-May 2007) (with Catherine Eckel, Cathleen Johnson, Joseph Hotz, Cesar Martinelli, Susan Parker, Luis Rubalcava, Graciela Teruel), PI.
- "Social and economic and physical effects of a natural disaster", National Science Foundation, Human and Social Dynamics Program (October 2005-September 2008) (with Elizabeth Frankenberg, Bondan Sikoki and Wayan Suriastini), co-PI.
- "Social and economic and physical effects of a natural disaster", National Institute for Child Health and Human Development, R21, (October 2005-September 2007) (with Elizabeth Frankenberg, Bondan Sikoki and Wayan Suriastini), co-PI.
- “Enhancing population-based surveys with satellite imagery and geographic information systems”, John D. and Catherine T. MacArthur Foundation. (June 2004 – May 2005) (with Elizabeth Frankenberg).
- “Study of the Tsunami Aftermath and Recovery in Sumatra, Indonesia”, The World Bank, Research Department. (March 2004-February 2006) (with Elizabeth Frankenberg and Jed Friedman).
- "Designing new models for family change and variation", National Institute for Child Health and Human Development, (August 2003-July 2007) (with Philip Morgan, Suzanne Bianchi, Thomas DiPrete, Joseph Hotz, Seth Sanders and Judith Seltzer), co-PI.
- "California Center for Population Research", National Institute for Child Health and Human Development, R24 Infrastructure Award, (July 2003-October 2007), PI.
- "The microfoundations of health and development", National Institutes on Aging and Fogarty International Center, R01, (July 2001-June 2007) (with Elizabeth Frankenberg, Jean-Pierre Habicht, Bondan Sikoki, James Smith, John Strauss), PI.

- "Real costs of the economic crisis in Indonesia," National Institute of Child Health and Human Development, R01, (July 2001-June 2007) (with Kathleen Beegle, Bondan Sikoki, James Smith and John Strauss), PI.
- "Human Capital Initiative: Productivity Award", National Science Foundation (October 1999-September 2000) (with Janet Currie), co-PI.
- "The meaning of health in social surveys", National Institutes on Aging, P01 project, (October, 1998-September, 2002) (with Elizabeth Frankenberg), PI.
- "Measuring change in Indonesia", World Bank, (June 1998-December 1998) (with Elizabeth Frankenberg and Kathleen Beegle), PI.
- "Health, family planning and well-being in Indonesia during an economic crisis", POLICY Project (June 1998-December 1998) (with Elizabeth Frankenberg), co-PI.
- "Migration and development", National Institute of Child Health and Human Development, P01 project, (March 1998-September 2003) (with James Smith), co-PI.
- "Health, human capital and the labor market", National Institute of Child Health and Human Development, P01 project, (March 1998-September 2003) (with James Smith and John Strauss), PI.
- "Evaluation of health interventions in Indonesia", World Health Organization (Oct 1997-Sep 1998) (with Elizabeth Frankenberg), PI.
- "Human capital, reproductive health programs and the role of women in the household and broader economy", The Policy Project (administered by Futures Group International, Research Triangle Institute and Centre for Development and Population Activities) (Feb 1997-Jan 2000) (with Elizabeth Frankenberg and Bondan Sikoki), co-PI.
- "Indonesian Family Life Survey", National Institutes of Health, R01, (Aug 1995-Jun 2000), (with Elizabeth Frankenberg), co-PI.
- "Who benefits from Head Start?", National Science Foundation Human Capital Initiative (Jan 1996-Dec 1998) (with Janet Currie), co-PI.
- "Public policy and child well-being", National Institute of Child Health and Human Development, R01, (September 1995-August 1999) (with Janet Currie), PI.
- "Individual resources and household choices", National Institute of Child Health and Human Development, P30 project, (Jul 1996-Jun 2002) (with James P. Smith and Elizabeth Frankenberg), PI.
- "Health and labor outcomes over the life course", National Institute on Aging, P01 project, (November 1996-October 1999) (with Paul Gertler, Bob Schoeni, James P. Smith and John Strauss), PI.
- "Economic consequences of migration in Malaysia", National Institute of Child Health and Human Development, P01 project, (Aug 1991-July 1994) (with James P. Smith and Lynn Karoly), PI.
- "Income, economic shocks, infrastructure and child growth", National Institute of Child Health and Human Development, R01 and P01 project, (Aug 1991-July 1996) (with John Strauss, Harold Alderman and Paul Gertler), co-PI.

"Household resources, prices, seasons and child growth", National Institute of Child Health and Human Development, R01 and P01 project, (Aug 1991-July 1996) (with John Strauss and Paul Gertler), co-PI.

"Dynamics of demographic change in Zimbabwe", DHS Small Grants Program funded by Andrew W. Mellon Foundation (July 1991-June 1992) (with Ityai Muvandi), PI.

"Human capital accumulation and inter-generational mobility", National Institute of Child Health and Human Development, P01 project, (April 1990-March 1993) (with John Strauss), co-PI.

Scholarships

Warren C. Scoville Award for Outstanding Teaching, UCLA (2001, 2005)

Yale University Senior Faculty Fellowship (1992)

Yale University Junior Faculty Fellowship (1990)

Alfred P. Sloan Pre-Doctoral Fellowship (1984-5)

Fulbright Award (1981-3)

Princeton University Fellowship (1981-4)

University of Bristol Undergraduate Scholarship (1980)

Edwina Mountbatten Grant (1980)

Zimbabwe Government Scholarship for University Studies (1978-81)

Professional service

National Bureau for Economic Research (NBER)

Director, Development Economics Program (2012-2018)

Bureau for Research and Economic Analysis of Development (BREAD)

President (2007-2010), Senior Fellow (2002-present), Executive Committee (2010-2016), Board of Directors (2004-present)

National Institutes of Health,

Social Sciences and Population Studies Study Section, (SSPB) (2012-2015), Chair (2014-2015), ad hoc member 2004, 2008, 2010, 2011.

Health of Populations (HOP-B) Study Section, Chair (2006-2007)

Special Emphasis Panels for CSR, NIA and NICHD.

Population Association of America, Board of Directors (2005-2007); Finance Committee (2005-2007);

Finance Committee Chair (2007), Program Committee (1998, 2009, 2011, 2016) Pressler Award Selection Committee (2008-2012), Vice President Elect (2012), Vice President (2013).

National Academies of Sciences, Committee on Population (2009-2012)

Board of Scientific Counselors, National Center for Health Statistics (2010-2013)

Co-Editor, *Journal of Development Economics* (2009-2012)

Associate Editor, *Journal of Development Economics* (2003-2009)

Board of Editors *American Economic Journal – Applied Economics* (2007-2012)

Associate Editor, *Economic Development and Cultural Change* (2008-2010)

Associate Editor, *Economics and Human Biology* (2002-2015)

Editorial Board, *Research in Economics* (2001-2016)

Co-Editor, *Journal of Human Resources* (2003-2007)

American Economic Association, Oversight Committee, Registry for Randomized Controlled Trials.
(2012-2020)

Chinese Family Panel Studies International Advisory Committee (2012-present)

Matlab Health and Socioeconomic Survey Advisory Panel (2011-present)

Indonesia Family Life Survey Advisory Panel (2010-present)

Technical Advisory Board, Living Standards Measurement Study – Integrated Surveys on Agriculture,
World Bank/Gates Foundation (2009-2015)

Steering Committee, Collaborative Research Project on Health, Economic Growth and Poverty
Reduction, African Economic Research Council (2008-2011)

Technical Advisory Committee, National Income Dynamics Survey, South Africa (2006-2009)

National Science Foundation Review Panel (2010)

Indonesia Family Life Survey (IFLS) - Co-director IFLS2 (1997/98) and IFLS2+ (1998)

National Academy of Sciences, Washington, D.C.

November, 2011	Expert Panel on <i>Estimating the Flow of Unauthorized Crossings at the US-Mexican Border using Surveys</i>
June, 2010	Expert Panel on <i>Assessing the Impact of the Economic Recession on the Elderly</i>
November, 2009	Expert Panel on <i>Early Life Health and Later Life Outcomes: Life Course Perspectives, Health and SES.</i>
October, 2009	Expert Panel on <i>Advancing Behavioral and Social Research on the Elderly in Disasters</i>
June, 2006	Expert Panel on <i>Cells and Surveys</i>
August, 2002	Expert Panel on <i>Priorities for Data Collection in Developing Countries</i>
January, 1996	Expert Panel on <i>Demographic Change in Low Income Populations</i>
July, 1992	Expert Panel on <i>Family and Development</i>
July, 1990	Expert Panel on <i>Health and Development</i>

World Health Organisation

Member, Working Group 1, Commission on Macroeconomics and Health (2000-2001)

Educate Girls, International Center for Economic Growth
Advisory Board 2000-2008

African Academy of Sciences, Nairobi, Kenya

2008-2009	Member, Technical Committee on Health and Economic Prosperity
1992-1997	Member, Technical Committee on Women and Education.

External Advisory Committee, *Strengthening Development Policy Through Gender Analysis*
(International Food Policy Research Institute/AID). 1996-1998.