

Curriculum Vitae
Dr Melanie L Bell

Contact Information

Mel and Enid Zuckerman College of Public Health
University of Arizona
1295 N. Martin Ave.
P.O. Box 245211
Tucson, Arizona 85724

W (520) 626-2795
melaniebell@email.arizona.edu

Education

- 2002 Ph.D. Biostatistics: The use of maximum pseudolikelihood in generalized linear mixed models for the analysis of replicated spatial point patterns. University of Colorado Health Sciences Center, Denver, CO. Advisor: Gary Grunwald
- 1990 M.S. Mathematics Northern Arizona University, Flagstaff, AZ
- 1988 A.B. Mathematics Occidental College, Los Angeles, CA

Employment and Appointments

- 2016 - Professor, Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson AZ
- 2013-2016 Associate Professor, Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson AZ
- 2013- Adjunct Senior Lecturer, School of Psychology, University of Sydney, Australia
- 2010- 2013 Senior Research Fellow (Biostatistics) Psycho-oncology Co-operative Research Group, School of Psychology, University of Sydney, Australia
- 2003-2009 Lecturer/Senior Lecturer Biostatistics (roughly equivalent to US Assistant/Associate Professor) Department of Preventive and Social Medicine, University of Otago, Dunedin, New Zealand
- 2000-2002 Statistical Research Assistant, Department of Structural and Cellular Biology University of Colorado Health Sciences Center, Denver, CO
- 1999-2002 Statistical Research Assistant, Center for Human Nutrition University of Colorado Health Sciences Center, Denver, CO
- 1998-2001 Graduate Teaching Assistant, Department of Preventive Medicine and Biometrics, University of Colorado Health Sciences Center, Denver, CO
- 1998-1999 Data Manager, San Luis Valley Diabetes Study University of Colorado Health Sciences Center, Denver, CO
- 1988- 1997 Mathematics Instructor
University of Arizona, Tucson, AZ
Yavapai Community College, Prescott, AZ
Northern Arizona University, Flagstaff, AZ

Honors and Awards

- 2019 MEZCOPH Research Award
- 2016 Dean's Fund Travel Award
- 2015 Dean's Fund Travel Award
- 2014 Epidemiology and Biostatistics Division Teaching Award
- 2008 Visiting Scholar, University of Colorado at Denver
- 2001 Strother Walker Award for Outstanding Biometrics PhD student. University of Colorado Health Sciences Center
- 2001 Ph.D. Fellowship Award, University of Colorado Health Sciences Center
- 2001 Student Service Award, Department of Preventive Medicine & Biometrics, University of Colorado Health Sciences Center

Professional Affiliations/Memberships (current)

- 2016 - Society for Clinical Trials
- 2015- Caucus for Women in Statistics
- 2014- U of AZ Statistics Graduate Interdisciplinary Program
- 2010- Psycho-oncology Co-operative Research Group, Australia
- 2002- International Biometric Society
- 2002- American Statistical Association

Service and Outreach (2006 and later)

National/International Outreach

Grant review (member, research advisory committee)

- 2017- Cystic Fibrosis Foundation, USA

Grant review (ad hoc)

- 2018 National Institute of Health, USA, Study Section for summer institute of biostatistics
- 2015 National Science Foundation, USA
- 2014 Istituto Toscano Tumori (Tumour Institute of Tuscany), Italy
- 2014 National Health and Medical Research Council, Australia
- 2013, 2018 Medical Research Council, United Kingdom

Journal Editing

- 2013 – 2017 Associate Editor BMC Medical Research Methodology

Reviewing (ad-hoc)

- PLOS Medicine
- American Journal of Preventive Medicine
- Journal of American College of Surgeons
- Journal of the National Cancer Institute
- Cancer
- Statistics in Medicine
- Computational Statistics and Data Analysis
- Clinical Epidemiology
- BMC Health Services Research
- Quality of Life Research
- Annals of Epidemiology
- BMJ
- JAMA-Internal Medicine
- BMC Medical Research Methodology

Journal of Consulting and Clinical Psychology
 Circulation: Cardiovascular Quality and Outcomes
 Journal of Statistical Computation and Simulation
 Supportive Care in Cancer
 Biometrics
 Communications in Statistics
 Human Reproduction
 Child Abuse and Neglect

Tenure Review (external)

2017 Mayo Clinic
 2015 American University of Beirut
 2015 Wayne State University
 2014 University of South Carolina

Data Safety Monitoring Boards

2017 - Intense physiotherapies to improve function in children with cerebral palsy
 2016 - University of Arizona Cancer Center (several trials)
 2014 - Cystic Fibrosis Foundation Therapeutic (several trials)
 2011-2014 Activate: Phase IV Hepatitis C trial

National Committees

2017- International Biometric Society, Regional Advisory Board
 2017- Cystic Fibrosis Foundation Clinical Research Committee
 2017- Regional Advisory Board, International Biometric Society, Western North American Region
 2011-2013 Council member, Statistical Society of Australia New South Wales Branch
 2011-2013 Standard Operating Procedures Committee, PoCoG
 2011-2013 Scientific Advisory Committee, PoCoG
 2012 Consumer Engagement Curriculum Committee, Clinical Oncological Society of Australia

National Outreach

2013 Expert panel member, Complementary and Alternative Medicine Concept Development Workshop (Clinical Oncological Society of Australia).
 2012 Online learning modules. Introduction to Biostatistics and Study Design. Consumer Learning and Engagement Project with Clinical Oncological Society of Australia (COSA) and Cancer Australia.
 2011 Introduction to Biostatistics lecture. Joint Consumer Advisory Group. Adelaide
 2010 - 2013 Statistical Consultant for the Quality of Life Office
 2010 - 2013 Statistical Consultant to PoCoG members
 2008 Organizer New Zealand Biostatistics 2-day workshop: Applied Longitudinal Data Analysis.
 2006 Statistical Consulting for New Zealand Cricket
 2004 - 2007 The Royal Australasian College of Physicians Written Examination Revision Course: Statistics.

Workshops developed and taught

2012 International Psycho-Oncology Society Academy (2 days). *Complex intervention designs; Sample size issues*, with Professors Penelope Schofield, Madeleine King, Susanne Dalton. Brisbane.
 2012 *Design and Analysis of Patient Reported Outcomes* (2 days) with Professor Diane Fairclough. Sydney.

- 2011 - 2012 *Quality of Life Protocol Checklist* (2 days), with Professor Madeleine King. Sydney
 2010 - 2011 *Common Statistical Pitfalls* (1 day). Sole presenter. Sydney, Melbourne.
 2010 - 2012 *PoCoG Concept Development Workshops* (1 day). Two times per year, with the PoCoG scientific advisory committee, various locations throughout Australia.

Local/State Outreach

- 2015 - Faculty sponsor for Statistics Outreach: graduate students presenting to Southern AZ high school students about statistical careers
 2014 - Statistical Society (ASA, IBS, ISCB, IMS) student membership social and information session

University Committees & Service

- 2018 Organizer of two 1-day Applied statistics workshops (David Hosmer, Logistic Regression and Time-to-Event Analysis)
 2016 - 2018 Faculty Senate, University of AZ
 2015 - Biostatistics Shared Resource Center, Arizona Cancer Center, University of AZ, Member
 2014 - Graduate Inter-disciplinary Program, Executive Committee
 2014 – 2017 Graduate Inter-disciplinary Program, Executive Committee Vice Chair
 2014, 2018 Graduate Admissions Committee, Statistics Graduate Inter-Disciplinary Program
 2010 - 2012 Examiner for Workplace Project, Master's in Biostatistics, Biostatistics Collaboration of Australia
 2006 Internal examiner for master's thesis from Department of Mathematics and Statistics, University of Otago

Junior Faculty Mentoring

- 2015 - 2015 Halima Alaofe, Post-doctoral fellow, MEZCOPH, UA. NIH K01 application.
 2014 - 2019 Sheila Gephart, Associate Professor, UA School of Nursing. K08-award, Agency for Healthcare Research and Quality \$696,661.
 2014 - 2015 David Garcia, Post-doctoral fellow, MEZCOPH and Cancer Center. R25T award, Cancer Prevention and Control Training Program.
 2014 - Eyal Oren, Associate Professor Epidemiology, MEZCOPH, UA. American Lung Association grant award.

College Committees

- 2018 - Research Advisory Committee
 2018 - College Promotion and Tenure
 2017 - Annual Performance Review, Epi & Biostatistics, Chair
 2016 - Promotion and Tenure, Epi & Biostatistics
 2016 Biostatistics Lecturer Search Committee, Chair
 2015 Division to Department Transition Committee
 2014 Biostatistics Faculty Search Committee
 2014 Environmental Health Sciences Faculty Search Committee
 2013, 2014 Annual Performance Review Epi & Biostatistics Division Committee
 2008 - 2009 Program director of the University of Otago Masters in Biostatistics.
 2007 - 2009 Research Advisory Committee, Department of Preventive and Social Medicine

Research

Research Areas

- Missing data in longitudinal studies
 Cluster randomized trials
 Clinical trials

Analysis of quality of life data and other patient reported outcomes
 Evaluation and quality improvement in research methods and statistics

Statistical/Methodological Publications (Peer Reviewed)

References with * indicate work with a graduate student supervisee. References with a # indicate work while I was a graduate student.

1. *Rabe B, **Bell ML**. (2019) A conservative approach for analyses of non-inferiority trials with missing data and subject non-compliance. *Statistics in Biopharmaceutical Research* First published online 8 Oct 2019.
2. *Floden L, **Bell ML**. (2019) Multiple imputation strategies when a continuous outcome is to be dichotomized for responder analysis. *BMC Medical Research Methodology*. 19:161.
3. ***Bell ML**, Floden L, Rabe BA, Hudgens, Dhillon H, Bray VJ, Vardy JL. (2019) Analytical approaches and estimands to take account of missing patient-reported data in longitudinal studies. *Journal of Patient Related Outcome Measures*. 2019(10)129-140.
4. **Bell ML**. (2018) New guidance to improved sample size calculations. *Trials*. 19:605.
5. **Bell ML**, Bray V, Dhillon H, Vardy J. Important differences and meaningful changes for the Functional Assessment of Cancer Therapy-Cognitive Function (FACT-Cog). (2018) *Journal of Patient Reported Outcomes*. 2:48.
6. **Bell ML**, Horton N, Bray VJ, Dhillon HM, Vardy JL. (2018) Using generalized estimating equations and extensions in randomized trials with missing patient reported outcome data. *Psycho-Oncology*. 27(9): 2125-2131.
7. *Rabe B, Day S, Fiero MH, **Bell ML** (2018). Missing data in non-inferiority trials: a systematic review. *Pharmaceutical Statistics*. 17(5):477-488.
8. *Huang S, Hu C, **Bell ML**, Billheimer D, Guerra S, Roe D, Vasquez M, Bedrick E (2018) Regularized continuous time Markov model via elastic net. *Biometrics*. 74(3):1045-1054.
9. **Bell ML**, Whitehead AL, Julious SA. (2018) Guidance for using pilot studies to inform the design of intervention trials with continuous outcomes. *Clinical Epidemiology*. 10:153-157.
10. **Bell ML** (2017). Challenges to interpreting patient reported outcomes in clinical trials: Author rejoinder. *Annals of Translational Medicine*. 5(21).
11. *Fiero MH, Hsu C, **Bell ML** (2017) A pattern-mixture model approach for handling missing continuous outcome data in longitudinal cluster randomized trials. *Statistics in Medicine*. 36(26):4094-4105.
12. ***Bell ML**, Fiero MH, Bray V, Dhillon H, Vardy J.(2017) Using standardized effect size graphs to enhance interpretability of cancer-related clinical trials with patient reported outcomes. *Annals of Oncology*. 28(8): 1730-1733.
13. Olivier J, May WL, **Bell ML**. (2017) Relative effect sizes for measures of risk. *Communications in Statistics-Theory and Methods*. 46(14): 6774-6781.

14. ***Bell ML**, Fairclough DL, Fiero MH, Butow PN. (2016) Handling missing items in the Hospital Anxiety and Depression Scale (HADS): a simulation study. *BMC Research Notes*. 2016 , **9**(1), 1-10
15. *Ashbeck E, **Bell ML**. (2016) Single time point analysis using a mixed model: power and bias in the presence of missing data. *BMC Medical Research Methodology*. 2016 **16**:43.
16. *Huang S, Fiero M, **Bell ML**. (2016) Generalized estimating equations in cluster randomized trials with a small number of clusters: review of practice and simulation study. *Clinical Trials*. **13**(4): 445-449.
17. *Fiero M, Huang S, Oren E, **Bell ML**. (2016) Statistical analysis and handling of missing data in cluster randomized trials: a systematic review. *Trials*. 2016 **17**:72.
18. *Fiero M, Huang S, **Bell ML**. (2015) Statistical analysis and handling of missing data in cluster randomized trials: protocol for a systematic review. *BMJ Open* 2015;**5**:e007378 doi:10.1136/bmjopen-2014-007378.
19. ***Bell ML**, Fiero M, Horton NJ, Hsu C. (2014) Handling missing data in RCTs; a review of the top medical journals. *BMC Medical Research Methodology*. **14**:118.
20. **Bell ML**, Fairclough DL, King MT. (2014) Bias in area under the curve for longitudinal clinical trials with missing patient reported outcome data: summary measures versus summary statistics. *Sage Open*. May 2014;**4**(2)DOI: 10.1177/2158244014534858.
21. **Bell ML**, Teixeira-Pinto A, McKenzie JE, Olivier J. (2014) A myriad of methods: choice of sample size formula and software for two proportions does matter. *Journal of Clinical Epidemiology*. **67**(5):601-605.
22. **Bell ML**, Fairclough DL. (2014) Practical and statistical issues in missing data for longitudinal patient reported outcomes. *Statistical Methods in Medical Research*. **23**(5):440-459.
23. **Bell ML**, Kenward MJ, Horton N, Fairclough DL. (2013) Differential dropout and bias in randomised controlled trials: when it matters and when it may not. *BMJ*. 2013; **346**: e8668.
24. **Bell ML**, Butow PN, Goldstein D. (2013) Informatively missing quality of life and unmet needs sexual data for immigrants and Anglo-Australians. *Quality of Life Research*. **22**(10):2757-2760.
25. King MT, **Bell ML**, Costa D, Butow P, Oh B. (2014) The Quality of Life Questionnaire Core 30 (QLQ-C30) and Functional Assessment of Cancer-General (FACT-G) differ in responsiveness, relative efficiency, and therefore required sample size. *Journal of Clinical Epidemiology*. **67**(1):100-7.
26. Olivier J, **Bell ML**. (2013) Effect sizes for 2x2 contingency tables. *PLOS One*. **8**(3): e58777.
27. **Bell ML**, McKenzie JE. (2013) Designing psycho-oncology randomised trials and cluster randomised trials: variance components and intra-cluster correlation of commonly used psychosocial measures. *Psycho-oncology*. **22**(8):1738-47.
28. Olivier J, **Bell ML**. (2013) The importance of statistics in cancer research. *World Journal of Cancer Research*. **1**, 78-81.

29. **Bell ML**, Olivier J, King MT. (2013) Scientific rigour in psycho-oncology trials: why and how to avoid common statistical errors. *Psycho-Oncology*. 22(2):499-505.
30. **Bell ML**, Grunwald GK. (2011) Small samples estimation properties in longitudinal count analysis. *Journal of Statistical Computation and Simulation*. 81(9):1067-1079.
31. ***Bell ML**, von Roode T, Dickson N, Jiang C, Paul C (2010). Consistency and reliability of self-reported lifetime number of heterosexual partners by gender and age in a cohort study. *Sexually Transmitted Diseases*. 37(7):425-431.
32. #**Bell ML**, Earl JB, Britt SG (2007). Two types of *Drosophila* R7 photoreceptor cells are arranged randomly: A model for stochastic cell-fate determination. *Journal of Comparative Neurology*. 502: 75-85.
33. #**Bell ML**, Grunwald GK (2004). Mixed models for the analysis of replicated spatial point patterns. *Biostatistics*. (2004), 5(4); 633-648.
34. #Parker MA, **Bell ML**, Barlow LA (2004). Cell contact-dependent mechanisms specify taste bud pattern during a critical period early in embryonic development. *Developmental dynamics*. 230 (4), 630-642.

Collaborative Publications (Peer Reviewed)

35. Yuan NP, Nair U, Schultz J, **Bell ML**, Tobacco cessation among American Indian/Alaska Native adult callers of a state quitline: implications for expanding services. *Substance Use and Misuse*. In press, accepted Oct 2019.
36. Vaccaro L, Butow PJ, Leel D, Johnson S, **Bell ML**, Clayton J, Detering, K, Tattersol MHN Fidelity is fundamental: intervention fidelity and its predictors in an advance care planning intervention for advanced cancer patients (2019). *BMJ Supportive & Palliative Care*. bmjspcare-2019-001917.
37. Gordon J, Armin J, **Bell ML**, Giacobbi P, Nair U. (2019) Testing the feasibility of a guided imagery tobacco cessation intervention delivered by a telephone quitline: study protocol for a randomized controlled feasibility trial. *Contemporary Clinical Trials Communication*. First published online 22 Aug 2019, p10043.
38. *Marrone N, Ingram M, Bischoff K, Burgen E, Carvajal S, **Bell ML**. (2019) Self-reported hearing difficulty and its association with general, cognitive and mental health in the state of Arizona. *BMC Public Health*. 19:875.
39. *Garcia DO, Valdez LA, Aceves B, **Bell ML**, Humphrey K, Hingle M, McEwen M, Hooker S. (2019) A gender- and culturally-sensitive weight loss intervention for Hispanic males: results from the ANIMO pilot randomized controlled trial. *Health Education & Behavior* 46(5), 763–772.
40. *Nair U, Reikowsky RC, Allen AM, **Bell ML**. (2019) Quitline program utilization and cessation outcomes: a comparison of provider-referred clients by healthcare settings. *Preventive Medicine Reports*. 2019;14:100863
41. *Lohr A, Ingram M, Carvajal S, Doubleday K, Aceves B, **Bell ML**. (2019) Protocol for LINKS (Linking Individual Needs to Community and Clinical Services): a prospective matched observational study of a community health worker led community clinical linkage

- intervention to address disparities in chronic disease and emotional well-being on the U.S.-Mexico border. *BMC Public Health*. 2019 **19**:399.
42. Yuan NP, Nair U, Crane TE, Krupski L, Collins B, **Bell ML**. (2019) Impact of changes in home smoking bans on tobacco cessation among quitline callers. *Health Education Research*. First published online 1 April 2019.
 43. *Peterson RL, Carvajal SC, McGuire LC, Fain MJ, **Bell ML** (2019). State inequality, socioeconomic status and subjective cognitive decline in the United States. *Social Science in Medicine-Population Health*. 7:100357.
 44. Zordon R, **Bell ML**, Price M, Remedios C, Hall C, Hudson P.(2019) Long term prevalence and predictors of prolonged grief disorder amongst bereaved cancer caregivers: a cohort study. *Palliative and Supportive Care*. First published online 15 Feb 2019.
 45. *Garcia D.O., Morrill K.E., Aceves B., Valdez L.A., Rabe B.A., **Bell M.L.**, Hakim I.A., Martinez J.A., & Thomson C.A. (2018) The feasibility and acceptability of a beverage intervention for Hispanic adults: results from a pilot randomized controlled trial. *Public Health Nutrition*. 19:1-11.
 46. *Carvajal S, Huang S, **Bell ML**, de Zapien J, Denman C, Cornejo E, Chang J, Staten K, Rosales C. (2018) Changes in health behavior and self-rated health in promotora-delivered preventive interventions for US and Mexico border residing adults at risk for chronic disease. *Health Education Research*, 33(6):522-534.
 47. *Johnson S, Butow PN, **Bell ML**, Detering K, Clayton J, Silvester W, Kiely BE, Hall JE, Cebon J, Clark S, Vaccaro L, Stockler M, Beale P, Tattersall MHN. (2018) A randomised controlled trial of an advance care planning intervention for patients with incurable cancer. *British Journal of Cancer*. 119(10):1182-1190.
 48. *Lent A, Reikowsky R, O'Connor P, Nair U, **Bell ML**. (2018) Factors associated with quitting by mode of entry among quitline Medicaid clients. *BMC Public Health*. 18:1001.
 49. *Pogreba-Brown K, O'Connor P, Matthews J, Barrett E and **Bell ML** (2018). Case-case analysis of campylobacter and salmonella – using surveillance data for outbreak investigations and monitoring routine risk factors. *Epidemiology and Infection*. 146(15):1916-1921.
 50. *Barrett E, Carr D, **Bell ML**, Pogreba-Brown K. (2018) Post-infectious sequelae after *Campylobacter* enteric infection: a pilot study in Maricopa County, Arizona, USA. *Journal of Pilot and Feasibility Studies*. 2018;4:142.
 51. Allen A, Yuan N, Wertheim B, Krupski L, **Bell ML**, Nair U. (2018) Gender differences in quitline cessation outcomes. *Translational Behavioral Medicine*. Epub Aug 7 2018.
 52. *Nair U, Brady B, O'Connor P, **Bell ML** (2018). Factors predicting client re-enrolment into tobacco cessation services in a state quitline. *Preventing Chronic Disease*. 15:180144.
 53. Smith B, Thewes B, Turner J, Sharpe L, Gilchrist J, Fardell JE, Girgis A, Tesson S, Descallar J, **Bell ML**, Beith J, Butow P and the Conquer-Fear Authorship Group. (2018) Fear of cancer recurrence (FCR); medical, demographic and psychological correlates of FCR severity in cancer survivors with clinically significant FCR. *Supportive Care in Cancer*. E-pub 7 June 2018.
 54. *Garcia DO, Valdez LA, **Bell ML**, Humphrey K, Hingle M, McEwen M, Hooker S. (2018) A

- gender- and culturally-sensitive weight loss intervention for Hispanic males: The ANIMO randomized controlled trial study protocol and recruitment methods. *Contemporary Clinical Trials Communications*. 9:151-163
55. *Morrill KE, Aceves B, Valdez L, Thomson CA, Hakim IA, **Bell ML**, Martinez JA and Garcia DO. (2018) Feasibility and acceptability of a beverage intervention for Hispanic adults: a protocol for a pilot randomized controlled trial. *Nutrition Journal* (2018) 17(1):16.
 56. *Sabo S, Champion CD, **Bell ML**, Vucovich EC, Ingram M, Valencia C, Vasquez M, Gonzales E, Rosales C. (2018) Meta Salud Diabetes Study Protocol: A cluster randomized trial to reduce cardiovascular risk among a diabetic population of Mexico. *BMJ Open* 8(3).
 57. Nair U, **Bell ML**, Yuan N, Wertheim BC, Thomson CA.(2018) Associations between comorbid health conditions and quit outcomes among smokers enrolled in a state quitline, Arizona, 2011-2016. *Public Health Reports*. 133(2):200-20.
 58. Johnson S, Butow PN, Kerridge I, **Bell ML**, Tattersall MHN.(2018) How well do current measures assess the impact of advance care planning on concordance between patient preferences for end of life care and the care received: A methodological review. *Journal of Pain and Symptom Management*. 55(2):480-495.
 59. Butow P, Turner J, Gilchrist J, Sharpe L, Smith AB, Fardell J, Thewes B, Tesson S, O'Connor R, Girgis A, Gebiski V, **Bell ML**, Thewes B. (2017) A randomised trial of ConquerFear: A novel, theoretically-based psychosocial intervention for fear of cancer recurrence. *Journal of Clinical Oncology*. 35(36) 4066-4077
 60. *Schmidt CA, Romine JK, **Bell ML**, Armin J, Gordon JS.(2017) User participation and engagement with the See Me Smoke-Free mHealth app: Results of a prospective feasibility trial. *Journal of Medical Internet Research*. 5(10):e142
 61. *Jung A, Schweers N, **Bell ML**, Nair U, Yuan NP. (2017) Predictors of tobacco cessation among quitline callers who implement home smoking bans during the quitting process. *Preventing Chronic Disease*. 14:170139.
 62. *Ingram M, Doubleday K, **Bell ML** Lohr A, Murrieta L, Velasco M, Blackburn J, Sabo S, Guernsey de Zapien J, Carvajal SC. (2017): Community health worker impact on chronic disease outcomes within primary care examined using electronic health records. *American Journal of Public Health*. 107(10):1668-1674
 63. Dhillon H, **Bell ML**, van der Ploeg HP, Turner J, Kabourakis M, Spencer L, Lewis C, Hui R, Blinman P, Boyer M, Clarke S, Vardy J. (2017) The impact of physical activity on fatigue and quality of life in lung cancer patients: a randomised controlled trial. *Annals of Oncology*. 28(8):1889-1897.
 64. *Sabo S, Flores M, Wennerstrom A, **Bell ML**, Verdugo L, Carvajal S, Ingram M. (2017) Community health workers promote civic engagement and organizational capacity to impact health equity through policy. *Journal of Community Health*. 42(6):1197-1203.
 65. *Halpern M, Fiero M, **Bell ML** (2017). Impact of caregiver activities and social supports on multidimensional caregiver burden: analyses from nationally-representative surveys of cancer patients and their caregivers. *Quality of Life Research*. 26(6):1587-1595.

66. Oren E, **Bell ML**, Garcia F, Perez-Velez C, Gerald L. (2017) Promoting adherence to treatment for latent TB infection through mobile phone text messaging: study protocol for a pilot randomized controlled trial. *Pilot and Feasibility Studies* 2017 3:15.
67. *Ernst KC, Erly S, Adusei C, **Bell ML**, Kessie D, Biritwum-Nyarko A, Ehiri J. (2017) Reported bed net ownership and use in social contacts is associated with uptake of bed nets for malaria prevention in pregnant women in Ghana. *Malaria Journal*. 16:1,13.
68. Hyatt A, Lipson-Smith R, Schofield P, Gough K, Sze M, Aldridge L, Goldstein D, Jefford M, **Bell ML**, Butow P. (2017) Communication challenges experienced by migrants with cancer: a comparison of migrant and English-speaking Australian-born cancer patients. *Health Expectations*. 20(5).
69. *Valdez L, **Bell ML**, Garcia DO. (2016) Assessing the influence of living and working conditions on alcohol consumption on migrant farmworkers in Mexico. *Californian Journal of Health Promotion* 2016,14: 3, 12-21.
70. Johnson S, Clayton J, Butow PN, Silvester W, Detering K, Hall J, Kiely BE, Cebon J, Clarke S, **Bell ML**, Stockler M, Beale P, Tattersall MHN. (2016) Advance care planning in incurable cancer patients: study protocol for a randomised controlled trial. *BMJOpen*. 2016;6:e012387. doi: 10.1136/bmjopen-2016-012387
71. *Bray VJ, Dhillon HM, **Bell ML**, Kabourakis M, Fiero MH, Yip D, Boyle F, Price MA, Vardy JL. (2017) Evaluation of a web based cognitive rehabilitation programme in cancer survivors reporting cognitive symptoms following chemotherapy. *Journal of Clinical Oncology*. 2017. 35(2)217-225.
72. Mercieca-Bebber RL, Price MA, **Bell ML**, King MT, Butow PN, The Australian Ovarian Cancer Study- Quality of Life Study Investigators. Ovarian cancer study drop-outs had worse health-related quality of life and psycho-social symptoms at baseline and over time. (2017) *Asia Pacific Journal of Clinical Oncology* 13(5):e381-e388.
73. *Muramoto ML, Gordon JG, **Bell ML**, Nichter M, Floden L, Howerter A, Ritenbaugh CK. (2016) Tobacco cessation training for complementary and alternative medicine practitioners: results of a practice-based trial. *American Journal of Preventive Medicine*. Aug;51(2):e35-44. doi: 10.1016/j.amepre.2016.02.017.
74. *Pockett R, Hobbs K, Dzikowska M, Peate M, Baylock B, **Bell ML**, Epstein I (2016). The characteristics of oncology social work in Australia: Implications for workforce planning in integrated cancer care. *Asia Pacific Journal of Clinical Oncology*. 12 (4):444-452. doi:10.1111/ajco.12482
75. Price MA, Butow PN, **Bell ML**, Webb PM, DeFazio A, Friedlander M, Fardell JE, The Australian Ovarian Cancer Study Group, The Australian Ovarian Cancer Study - Quality of Life Study Investigators (2016). Helplessness/hopelessness, minimization, and optimism predict survival in women with invasive ovarian cancer: A role for targeted support during initial treatment decision-making? *Supportive Care in Cancer*. 24(6):2627-34.
76. *Dodds SE, Pace TWW, **Bell ML**, Fiero M, Negi LT, Raison CL, Weihs KL. Feasibility of cognitively-based compassion training (CBCT) for breast cancer survivors: a randomized, wait list controlled pilot study. (2015) *Supportive Care in Cancer*. 23(12):3599-608.
77. *Sabo S, Wennerstrom A, Phillips D, Haywood C, Redondo F, **Bell ML**, Ingram M. Community health worker professional advocacy: voices of action from the 2014 national

- community health worker advocacy survey. (2015) *Journal of Ambulatory Care Management*. 38(3):225-35.
78. Smith B, Thewes B, Turner J, Gilchrist J, Fardell JE, Sharpe L, **Bell ML**, Girgis A, Grier M, Fairclough A, Byrne D, Clutton S, Butow P. (2015) Pilot of a theoretically grounded psychologist-delivered intervention for fear of cancer recurrence (Conquer Fear). *Psycho-Oncology*. 24 (8):967–970.
 79. *Sze M, Butow PN, **Bell ML**, Vaccaro L, Dong S, Eisenbruch M, Jefford M, Girgis A, King M, McGrane J, Goldstein D, on behalf of the CALD oncology working group and the Psycho-oncology Co-operative Research Group (PoCoG) CALD team. (2015) Migrant health in cancer: outcome disparities and the determinant role of migrant specific variables. *The Oncologist*. 20(5):523-31.
 80. Denman CA, **Bell ML**, Cornejo E, Guernsey de Zapien J, Carvajal S, Rosales C.(2015) Changes in health behaviors and self-rated health of participants in Meta Salud: a primary prevention intervention of non-communicable diseases in Hermosillo, Mexico. *Global Heart*. 10(1):55-61.
 81. McDonald FEJ, Patterson P, White KJ, Butow P, **Bell ML**. (2015). Predictors of unmet needs and psychological distress in adolescent and young adult siblings of people diagnosed with cancer. *Psycho-Oncology*. 24(3):333-340. DOI: 10.1002/pon.3653.
 82. Denman CA, Rosales C, Cornejo E, **Bell ML**, Munguia D, Zepeda T, Carvajal S, Guernsey de Zapien J (2014). Evaluation of the Community-Based Chronic Disease Prevention Program Meta Salud in Northern Mexico, 2011–2012. *Preventing Chronic Disease*. 11:140218.
 83. *Goldstein D, **Bell ML**, Butow P, Sze M, Vaccaro L, Dong S, Liauw W, Hui R, Tattersall M, Ng W, Asghari R, Steer C, Vardy J, Parente P, Harris M, Karanth NV, King M, Girgis A, Eisenbruch M, Jefford M. (2014) Immigrants' perceptions of the quality of their cancer care: An Australian comparative study, identifying potentially modifiable factors. *Annals of Oncology*. 25(8):1643-9.
 84. Patterson P, McDonald F E J, Butow P, White KJ, Costa DSJ, Millar B, **Bell ML**, Wakefield C, Cohn R. (2014) Psychometric evaluation of the Sibling Cancer Needs Instrument (SCNI) an instrument to assess the psychosocial unmet needs of young people who are siblings of cancer patients. *Supportive Care in Cancer*. 22(3):653-665.
 85. *Ralph A, Ager B, **Bell ML**, Collins I Andrews L, Tucker K, O'Reilly N, Phillips K, Butow P. (2014) Women's preferences for selective oestrogen reuptake modulators: an investigation using the time trade off technique. *SpringerPlus*. 3:264. doi:10.1186/2193-1801-3-264.
 86. *Ralph A, Ager B, **Bell ML**, Phillips K, Andrews L, Tucker K, Collins I, Butow P. (2014) Women's preferences for selective oestrogen reuptake modulators: an investigation using protection motivation theory. *Patient Education and Counseling*. 96(1):106-12. doi: 10.1016/j.pec.2014.04.011.
 87. Juraskova I, Butow P, Bonner C, **Bell ML**, Smith AB, Seccombe M, Boyle F, Reaby L, Cuzick J, Forbes JF. (2014). Improving decision-making about clinical trial participation: A randomised controlled trial of a decision aid for women considering participation in a breast cancer prevention trial (IBIS-II). *British Journal of Cancer*. 111, 1-7. doi:10.1038/bjc.2014.144.
 88. Price MA, Butow PN, **Bell ML**, Webb PM, DeFazio A, Friedlander M, The Australian

- Ovarian Cancer Study Group, The Australian Ovarian Cancer Study - Quality of Life Study Investigators (2014). Caring for women with ovarian cancer: The last year of life. *Gynecologic Oncology*. 132(3):690-697. doi: 10.1016/j.ygyno.2014.01.002.
89. Hodson L, McLachlan JK, Eyles HC, **Bell ML**, Green TJ, Skeaff CM.(2014) Plasma and erythrocyte fatty acids reflect intakes of saturated and n-6 PUFA within a similar time frame. *Journal of Nutrition*. 144(1):33-41. doi: 10.3945/jn.113.183749.
 90. Price MA, **Bell ML**, Sommeijer DW, Friedlander M, Stockler MR, Defazio A, Webb PM, Australian Ovarian Cancer Study Group; Australian Ovarian Cancer Study Quality of Life Study Investigators, Butow PN(2013). Physical symptoms, coping styles and quality of life in recurrent ovarian cancer: a prospective population-based study over the last year of life. *Gynecol Oncol*. 2013. 130:162-168.
 91. Macann A, Fua T, Milross C, Porceddu S, Penniment M, Wratten C, Krawitz H, Tang C, Morton R, Hay D, Thomson V, **Bell ML**, King M, Fraser-Browne C, Hockey H. (2014) Phase 3 trial of domiciliary humidification to mitigate to mitigate acute mucosal toxicity during radiation therapy for head-and-neck cancer: First report of Trans-Tasman Radiation Oncology Group (TROG) 07.03 RadioHUM. *International Journal of Radiation Oncology, Biology and Physics*. 88(3):572-79.
 92. Thewes B, **Bell ML**, Butow P, Beith J, Boyle F, Friedlander M, McLachlan SA and the Members of the FCR Study Advisory Committee (2013). Psychological not social factors influence level of fear of cancer recurrence in young women with early breast cancer; results of a cross-sectional study. *Psycho-Oncology*. 22(12):2797-2806. DOI: 10.1002/pon.3348.
 93. *Butow PN, **Bell ML**, Aldridge LJ, Sze M, Eisenbruch M, Jefford M, Schofield P, Girgis A, King M, Duggal-Beri P, McGrane J, Goldstein D, and the Psycho-Oncology Co-operative Research Group (PoCoG) CALD team (2013). Unmet needs in immigrant cancer survivors: a cross-sectional population based study. *Supportive Care in Cancer*. 21(9):2509-20.
 94. Butow P, **Bell ML**, Smith AB, Fardell J, Thewes B, Turner J, Gilchrist J, Beith J, Girgis A, Sharpe L, Shih S, Mihalopoulos C. (2013) Conquer fear: protocol of a randomised controlled trial of a psychological intervention to reduce fear of cancer recurrence. *BMC Cancer*. 13:201.
 95. *Butow PN, Aldridge LJ, Eisenbruch M, **Bell ML**, Sze M, Abdo S, Mikhail M, Dong S, Iedema R, Vardy J, Hui R, Boyle F, Liauw W, Goldstein D. (2013) Should culture affect practice? A comparison of prognostic discussions in consultations with immigrant versus Australian-born cancer patients. *Patient Education and Counseling*. 92(2):246-52.
 96. Stein RA, Sharpe L, **Bell ML**, Boyle FM, Dunn SM, Clarke SJ. (2013) A randomised controlled trial of a structured intervention to facilitate end-of-life decision making in patients with advanced cancer. *Journal of Clinical Oncology*. 31:3403-3410.
 97. Patterson P, McDonald FEJ, Butow P, White KJ, Costa DSJ, Pearce A, **Bell ML**. (2013) Psychometric evaluation of the offspring cancer needs instrument (OCNI): an instrument to assess the psychosocial unmet needs of young people who have a parent with cancer. *Supportive Care in Cancer*. 21(7): 1927-1938. doi: 10.1007/s00520-013-1749-z.
 98. *Butow PN, Aldridge L, **Bell ML**, Sze M, Eisenbruch M, Jefford M, Schofield P, Girgis A, King M, Duggal-Beri P, Goldstein D, and the Psycho-Oncology Co-operative Research Group (PoCoG) CALD team. Inferior quality of life and psychological well-being in immigrant cancer survivors: a population based study. (2013). *European Journal of Cancer*. 49(8):1948-56.

99. Thewes B, **Bell ML**, Butow P. (2013). Fear of cancer recurrence in young breast cancer survivors: the role of meta-cognitive style and disease-related factors. *Psycho-oncology*. 22(9):2059-63.
100. *Ramrakha S, Paul C, **Bell ML**, Dickson N, Moffit TE, Caspi A. (2013) The relationship between multiple sex partners and anxiety, depression and substance dependence disorders: a cohort study. *Archives of Sexual Behavior*. 42(5):863-72.
101. Dhillon H, van der Ploeg HP, **Bell ML**, Boyer M, Clarke S, Vardy J. (2012) The impact of physical activity on fatigue and quality of life in lung cancer patients : a randomised controlled trial protocol. *BMC Cancer*. 12:572.
102. Juraskova I, Bonner C, **Bell ML**, Sharpe L, Robertson R, Butow P. (2012) Quantity versus quality: An exploration of the predictors of post-treatment sexual adjustment for women affected by early stage cervical and endometrial cancer. *Journal of Sexual Medicine*. 9(11):2952-60.
103. Thewes B, Butow P, **Bell ML**, Beith J, Stuart-Harris R, Grossi M, Capp A and the FCR Study Advisory Committee (2012). Fear of cancer recurrence in young women with a history of early-stage breast cancer; a cross-sectional study of prevalence and association with health behaviours. *Supportive Care in Cancer*. 20(11):2651-9.
104. McBride D, **Bell ML**. (2011) Hearing conservation in high risk industries: Compliance with, and barriers to best practice in, workplace noise control. *Journal of Health, Safety and Environment*, 27(3), 209-215.
105. *Butow PN, **Bell ML**, Sze M, Aldridge L, Abdo S, Eisenbruch M, Duggal-Beri P, Mikhail M, Dong S, Iedema R, Goldstein D. (2011) Grappling with cultural differences; Communication between oncologists and immigrant cancer patients. *Patient Education and Counseling*. 84:398-405.
106. *Connor J, Kypros K, **Bell ML**, Cousins K. (2011) Alcohol involvement in aggression between intimate partners in New Zealand: a national cross-sectional study. *BMJ Open*. 1(1) doi:10.1136/bmjopen-2011-000065.
107. *Butow PN, Goldstein D, **Bell ML**, Sze M, Aldridge LJ, Abdo S, Mikhail M, Dong S, Iedema R, , Vardy J, Ashgari R, Hui R, Eisenbruch M (2011). Interpretation in consultations with immigrant cancer patients; How functionally equivalent is it? *Journal of Clinical Oncology*. 29(20):2801-2807.
108. *Patel D, Thewes B, Sharpe L and **Bell ML**. (2011) The sensitivity and specificity of the distress thermometer and hospital anxiety and depression scale for predicting clinical disorder in patients diagnosed with colorectal cancer. *Journal of Affective Disorders*. 131 (1-3), pp. 412-416.
109. *Kidd MO, Bond CH, **Bell ML**. (2011) Patients' perspectives of 'patient-centeredness' as important in musculoskeletal physiotherapy interactions: a qualitative study. *Physiotherapy*. 97(2):154-162.
110. *Connor J, Kypros K, **Bell ML**, Cousins K. (2010) Alcohol outlet density, levels of drinking and alcohol-related harm in New Zealand: a national study. *Journal of Epidemiology and Community Health*, 65:841-846.

111. *Hendrick P, Milosavljevic S, **Bell ML**, Hale H, Hurley DA, McDonough SM, Melloh M, Baxter DG (2009). Does physical activity change predict functional recovery in low back pain? Protocol for a prospective cohort study. *BMC Musculoskeletal Disorders*. 10:136.
112. *Hendrick P, **Bell ML**, Bagge J, Milosavljevic S (2009). Can accelerometry be used to discriminate levels of activity? *Ergonomics*. 52(8):1019-25.
113. Bussey MD, Milosavljevic S, **Bell ML** (2009). Sex differences in the pattern of innominate motion during passive hip abduction and external rotation. *Manual Therapy*. 14(5):514-9.
114. Bussey MD, **Bell ML**, Milosavljevic S (2009). The influence of hip abduction and external rotation on sacro-iliac motion. *Manual Therapy*. 14(5):520-5.
115. **Bell ML**, Grunwald GK, Baltz JH, McDonald GO, Grover FL, Shroyer LW (2008). Does pre-operative hemoglobin independently predict short-term outcomes following CABG surgery? *Annals of Thoracic Surgery*. 86:1415-23.
116. Howard R, Karageorge G, van Harselaar K, **Bell ML**, Basford P, Schultz M, Derrett S. (2008) Post-procedure surveillance in liver biopsy: how long is long enough? *New Zealand Medical Journal*. 121(1280): 8-14.
117. *Sims S, Rehrer NJ, **Bell ML**, Cotter JD (2008). Endogenous and Exogenous female sex hormones and renal electrolyte handling: effects of an acute sodium load on plasma volume at rest. *Journal of Applied Physiology*. 105(1):121-7.
118. *Hammond V, Reeder AI, Gray A, **Bell ML** (2008). Are workers or their workplaces the key to occupational sun protection? *Health Promotion Journal of Australia*. 19(2): 97-101.
119. Kypri K, **Bell ML**, Hay GC, Baxter J (2008). Alcohol outlet density and university student drinking in New Zealand. *Addiction*. 103(7):1131-1138.
120. *Ramrakha S, **Bell ML**, Paul C, Dickson N, Moffit TE, Caspi A (2007). Childhood behavior problems linked to sexual risk taking in young adulthood: a birth cohort study. *Journal of the American Academy of Child & Adolescent Psychiatry*. 46(10):1272-1279.
121. Takemura M, Schneiders AG, **Bell ML**, Milburn P (2007). The association of ground hardness with injuries in rugby union. *British Journal of Sports Medicine*. 41:582-587.
122. *Sims S, Rehrer N, **Bell ML**, Cotter J (2007). Pre-exercise sodium loading aids fluid balance and endurance for women exercising in the heat. *Journal of Applied Physiology*. 103(2): 534-541.
123. Hickey WH, Milosavljevic S, **Bell ML**, Milburn P (2007). Accuracy and reliability of observational motion analysis in identifying shoulder symptoms. *Manual Therapy*. 12: 263-270.
124. Warren J, Schneiders T, Sullivan J, **Bell ML** (2006). Repeated single-limb postural stability testing elicits a practice effect. *Physical Therapy in Sport*. 7: 185-190.
125. Parkin L, **Bell ML**, Herbison GP, Paul C, Skegg DCG (2006). Air travel and fatal pulmonary embolism. *Thrombosis and Haemostasis*. 95: 807-814.
126. #Eckel RH, Hernandez TL, **Bell ML**, Weil KM, Shepard TY, Grunwald GK, Sharp TA, Francis CC, Hill JO (2006). Carbohydrate balance predicts weight/fat gain in adults.

American Journal of Clinical Nutrition. 83: 803-808.

127. #Krebs NF, Westcott JE, Butler N, Robinson C, **Bell M**, Hambidge KM (2006). Meat as a first complementary food for breastfed infants: feasibility and impact on zinc intake and status. *Journal of Pediatric Gastroenterology and Nutrition.* 42(2): 207-214.
128. Baker J, Cotter JD, Gerrard DF, **Bell ML**, Walker RJ (2005). Effects of indomethacin and celecoxib on renal function in athletes. *Medicine and Science in Sports and Exercise.* 37: 712-717.
129. #Melanson EL, Knoll JR, **Bell ML**, Donahoo WT, Hill JO, Nysse Lanningham-Foster LJ, Peters JC, Levine JA. (2004) Commercially available pedometers: considerations for accurate step counting. *Preventive medicine.* 39 (2), 361-368.
130. #Higgins JA, Higbee DR, Donahoo WT, Brown IL, **Bell ML**, Bessesen DH. (2004) Resistant starch consumption promotes lipid oxidation. *Nutrition & Metabolism.* 1 (8), 1-11.
131. #Krebs NF, Hambidge KM, Westcott J, Miller LV, Sian L, **Bell M**, Grunwald G (2003). Exchangeable zinc pool size in infants is related to key variables of zinc homeostasis. *Journal of Nutrition.* 54:856-860.
132. #Hall JMH, **Bell ML**, Finger TE (2003). Disruption of sonic hedgehog signaling alters growth and patterning of lingual taste papillae. *Developmental Biology.* 255: 263-277.
133. #Capell WH, DeSouza CA, Poirier P, **Bell ML**, Weil KM, Stauffer BL, Hernandez TL, and Eckel RH (2003). Short-term triglyceride lowering with fenofibrate improves vasodilator function in subjects with hypertriglyceridemia. *Arteriosclerosis, Thrombosis, and Vascular Biology.* 23: 307-313.
134. #Sharp TA, **Bell ML**, Grunwald GK, Schmitz KH, Sidney S, Lewis CE, Tolan K, Hill JO (2002). Differences in metabolic rate between Caucasian and African American young adults in the CARDIA study. *Obesity Research.* 10: 726-732.
135. #Jalla S, Westcott J, Steirn M, Miller L, **Bell ML**, Krebs N (2002). Zinc absorption and exchangeable zinc pool sizes in breastfed infants fed meat or cereal as first complementary food. *Journal of Pediatric Gastroenterology and Nutrition.* 34:35-41.
136. #Shepard TY, Weil KW, Sharp TA, Grunwald GK, **Bell ML**, Hill JO, Eckel RH (2001). Occasional physical inactivity combined with a high-fat diet may be important in the development and maintenance of obesity in human subjects. *American Journal of Clinical Nutrition.* 73: 703-708.
137. #Agerholm-Larsen L, **Bell ML**, Grunwald GK, Astrup A (2000). The effect of a probiotic milk product on plasma cholesterol- a meta-analysis of short-term intervention studies. *European Journal of Clinical Nutrition.* 54:856-860.

Invited Presentations, Panels and Workshops

- 2019 Interpreting patient reported outcomes, workshop, International Society of Quality of Life, 20 Oct 2019, San Diego, CA
- 2019 Patient-focused clinical trials: challenges and considerations for trial design, endpoints, and analysis (panel), Joint Statistical Meetings. 31 July 2019. Denver, CO.

- 2018 Missing data in clinical trials. FDA. Patient reported outcomes in pain trials (panel). 22 August, 2018, Bethesda, MD.
- 2016 Missing data in individual and cluster randomized trials. Agricultural and Resource Economics, University of Arizona. 28 October, Tucson, AZ
- 2016 Specifying the minimum important difference for patient reported outcomes, in a session titled “Guidance on specifying the target difference (“effect size”) for a RCT”. Society for Clinical Trials, May 2016, Montreal, Canada
- 2015 Statistical analysis plans: improve your efficiency and your science. Student Environmental Health Science Association . Nov 5, 2015, Tucson, AZ.
- 2015 Knowledge translation in statistical methods: applied myth-busting in the field of missing data, in a session titled Differential and/or biased missingness: myths, methods, and manifestations. Joint Statistical Meetings, August 12, 2015, Seattle, Washington.
- 2012 Bias with differential dropout: what matters and what doesn’t. The George Institute for Global Health, November 2, 2012, Sydney, Australia.
- 2012 Design errors and missing data in cancer research. Australasian Leukaemia and Lymphoma Group Annual Scientific Meeting, May 16, 2012, Sydney, Australia.
- 2011 Missing data in quality of life outcomes: statistical and practical aspects. Clinical Trials Centre, May 11, 2011, University of Sydney, New South Wales, Australia
- 2011 Aspects of statistics for trial managers, with emphasis on missing data. Trans-Tasman Radiation Oncology Group Annual Scientific Meeting, April 11, 2011, Adelaide, Australia.
- 2010 Complementary and alternative therapy in cancer research. Panel discussion. Complementary and integrative therapies concept development workshop COSA (Clinical Oncological Society of Australasia), November 11, 2011, Melbourne, Australia.
- 2010 What does a biostatistician working in psycho-oncology do? Statistical Society of Australia, August 5, 2010, Sydney, Australia.
- 2010 Statistical issues in psycho-oncology. University of Technology, April 12, 2010, Sydney, Australia.

Conference and Oral Presentations (as first author)

- 2019 The mixed model for repeated measures for cluster randomized trials, Western North American Region of the Intl Biometric Society, 24 June 2019, Portland OR.
- 2019 The mixed model for repeated measures for cluster randomized trials, bias and type I error in the presence of missing data, Society for Clinical Trials, 20 May 2019, New Orleans, LA.
- 2017 Missing data in non-inferiority trials. International Biometric Society, Western North American Region. June 26, 2017, Santa Fe, NM.

- 2014 Lost in translation: missing data theory and practice. Joint Statistical Meetings, August 5, 2014, Boston, Massachusetts.
- 2013 A myriad of methods: choice of sample size formula and software for two proportions does matter. Poster. October 30, 2013, University of Arizona Health Sciences Research Symposium, Tucson, Arizona.
- 2012 Joint Breakfast Symposia: Streamlining psycho-oncology research – using psycho-oncology Standard Operating Procedures. Breakfast session. Clinical Oncological Society of Australia, November 15, 2012, Brisbane, Queensland.
- 2012 Bias due to differential attrition: what matters and what doesn't. Poster Clinical Oncological Society of Australia, November 12, 2012, Brisbane, Queensland.
- 2012 Differential attrition in clinical trials: what matters and what doesn't. Oral. Joint Statistical Meetings, July 30, 2012, San Diego, California.
- 2011 Scientific rigour in psycho-oncology trials: why and how to avoid common statistical errors. Poster. Clinical Oncological Society of Australasia, November 16, 2011, Perth, Washington.
- 2011 Bias in area under the curve for longitudinal RCTs: Summary measure versus summary statistics. Poster. Clinical Oncological Society of Australasia, November 16, 2011, Perth, Washington.
- 2010 Bias in area under the curve for longitudinal RCTs: Summary measure versus summary statistics. Poster. Australasian Epidemiologic Association Conference, September 29, 2010, Sydney, Australia.
- 2009 Small sample properties of longitudinal count Poisson models. Center for Applied Statistics and Mathematics, University of Otago; AgResearch-Invermay, March and May 19, 2009, Dunedin, New Zealand.
- 2007 Consistency and reliability of the report of sexual partners in a cohort study, with particular attention to statistical challenges. New Zealand Public Health Association, University of Otago, July 19, 2007, Dunedin, New Zealand.
- 2007 Fractional Polynomials, a Socratic Dialogue, with Mr. Andrew Gray. Centre for Applied Statistics and Mathematics, University of Otago, May 7, 2007, Dunedin, New Zealand.
- 2006 Some approaches to the analysis of replicated bivariate spatial point patterns: drosophila retina. Spatial Information Research Centre 2006 Workshop, November 6, 2006, Dunedin, New Zealand.
- 2006 Models for the analysis of replicated spatial point patterns. Oral presentation. Western North American Region of the International Biometric Society and the Institute of Mathematical Statistics, June 29, 2006, Flagstaff, AZ.
- 2006 An introduction and overview of mixed models. Centre for Applied Statistics and Mathematics, University of Otago, March 30, 2006, Dunedin, New Zealand.

Grants, Contracts, Consulting

Ongoing research support

R34 AT008947 (Gordon) 09/30/2016-09/29/2019 0.60 calendar months
 NIH/NCCIH \$158,263

A Guided Imagery Tobacco Cessation Intervention Delivered by a Quitline and Website

The goal of this study is to develop and test the feasibility and acceptability of a guided imagery tobacco cessation intervention that is delivered by a combination of quitline coaches and an interactive website.

Role: Co-I

R01 HL125996 (Rosales) 09/04/2015-05/31/2020 1.20 calendar months
 NIH/NHLBI \$594,287

Tools and Practices to Prevent CVD among and Complications in the Diabetic Population of Mexico

Randomized cluster trial design of an intervention to prevent complications related to diabetes in the patient population of Health Centers in Hermosillo, Mexico.

Role: Senior Biostatistician

R21 DA046604 (Nair/Allen) 06/15/2018-5/31/2020 0.60 calendar months
 NIH/NIDA \$150,000

Testing the Feasibility of a Novel Smoking Cessation Intervention by Timing Quit Dates to Menstrual Phase in a Quitline Setting

The goal of this project is to explore the feasibility and preliminary efficacy of a quitline intervention that times quit dates during specific menstrual phases (i.e., follicular phase) as compared to standard care for cessation.

Role: Co-I

R01 ES028250 (Beamer) 12/01/2017-11/30/2022 1.20 calendar months
 NIH/NIEHS \$421,950

El Trabajo no te Debe Danar: Reduction of Hazardous Exposures in Small Businesses through a Community Health Worker Intervention

The goal of this study is to formally evaluate if a community health worker intervention can effectively reduce workplace exposures in marginalized small businesses to hazardous chemicals. Through face-to-face encounters, this study will increase the capacity of workers with limited education, literacy, and computer skills to understand workplace hazards and effective control options to reduce exposures and prevent occupational disease

Role: Co-I

U48 DP005002 (Carvajal) 09/30/2019-09/29/2024 0.96 calendar months
 CDC/NCCDPHP \$150,328

Arizona Prevention Research Center

The proposed research is execute a practice-based public health research study within four underserved Latino communities. This research project, *Unidos: Linking Individuals' to Social Determinant and Community Health Services* will result in a model intervention to improve overall health and quality of life among predominantly Mexican-origin Latinos in Arizona.

Role: Co-I

P30 CA023074 (Kraft) 07/01/2016 – 06/30/2021 1.56 calendar months
 NIH/NCI \$2,357,840

Arizona Cancer Center – Cancer Center Support Grant

The major goal of this project is to provide organizational infrastructure for the promotion of interdisciplinary research and the collective use of resources. The Biostatistics Shared Resource supports research at The University of Arizona Cancer Center, across the spectrum of clinical trials and prevention research, as well as basic and translational studies. The Shared Resource is active in all

phases of study design, operation, data management, statistical analysis, and manuscript preparation.
Role: Biostatistician

PENDING

R21 NR017478-01A1 (Loescher) 09/01/2018-08/31/2020 0.72 calendar months
NIH \$125,000

Text to Protect: Development of a Personalized and Interactive SMS Intervention to Promote UVR Protection Adherence in Older Adults with Keratinocyte Carcinoma

This study examines the feasibility and acceptability of a mobile health SMS (text message)-delivered sun protection program for patients with keratinocyte skin cancer, potential efficacy of the program, and behavioral factors influencing patients' adherence to sun protection behaviors.

Completed Research Support

- 7/2016 – 7/2018 Cynthia Thomson. *BTCD Smokers' Helpline Tobacco Cessation Services* Arizona Department of Health Services. ADHS11-007339. 5% effort. Role: Senior Biostatistician.
- 9/2013 – 8/2018 Marrone N, et al. Reducing Disparities in Access to Hearing Healthcare on the U.S.-Mexico Border. NIH R33. Senior Biostatistician. \$522,473. 10% effort.
- 9/2016 – 9/2018 Martin Tattersoll et al. Advance care planning in incurable cancer patients with disease progression on first line chemotherapy: a randomised trial. University of Sydney. Senior Biostatistician. \$21,000 contract.
- 9/2015-9/2017 Oren E et al, Promoting Adherence to Treatment for Latent TB Infection (LTBI) through Mobile Phone Text Messaging. American Lung Association. 1% effort. Role: Senior Biostatistician.
- 10/2015 – 9/2017 Vardy J. *The impact of physical activity on fatigue and quality of life in lung cancer patients: a randomised controlled trial*. Slater & Gordon Asbestos Research Fund. Co-PI/Senior Biostatistician. \$10,000 contract.
- 10/2015 – 9/2017 Vardy J. *Evaluation of Web-based Cognitive Rehabilitation Programme in Cancer Survivors with Self-reported Cognitive Impairment*. University of Sydney/Cancer New South Wales. Senior Biostatistician. \$35,000 contract.
- 1/2015 – 12/2015 Muramoto M, Matthews E, Rittenbaugh CK, Nichter MA, **Bell ML**. *Online tobacco cessation training & competency assessment for CAM practitioners*. *NIH R21 CA175450* Co-PI/Senior biostatistician. \$426733. 9% effort.
- 4/2015 – 3/2017 Muramoto M, Armin J, Gordon J, Bell ML. *Effect of Helpers Program on-line training on smoking relapse and social networks*. NIH R21. Co-PI/Senior Biostatistician. \$205,021. 5% effort.
- 9/2015 – 9/2016 Fiero M, Schissler G, Doubleday K, Watkins J, Bell ML. *Incorporating quantitatively-talented and underrepresented high school students in Arizona into the biostatistics community*. American Statistical Association, Biometrics Section. (Note: this is a grant written by three graduate students, and supervised by myself and a Statistics Professor.) \$3950. 0% effort.
- 2014 – 2015 Bime C, Gerald LB, **Bell ML**, Gerald JK. *Effects of exercise on asthmatic responses in obese adults with asthma*. Arizona Biomedical Research

- Commission. Co-PI/Senior Biostatistician. \$75,000, 0.5% effort.
- 2014 Macann A. Follow-up analysis of the Trans-Tasman Radiation Oncology Group (TROG) 07.03 RadioHUM trial. \$2000 contract.
- 2013-2014 Sundaresan P, Butow P, Turner S, Kneebone A, **Bell ML**. *Evaluating the utility of a patient decision aid for prospective participants in the TROG RAVES Prostate Cancer Trial (TROG 08.03)*. Prostate Cancer Foundation of Australia. Co-PI/Senior Biostatistician. \$130,000, 10% effort
- 2012-2013 Butow P, **Bell ML**. *How do women at increased risk for breast cancer weigh up the pros and cons of risk management strategies? A patient preference study*. Australia New Zealand Breast Cancer Trials Group. Co-PI/Senior Biostatistician. \$10,000, 10% effort
- 2009-2010 Kypri K, **Bell ML**, Connor J. *Alcohol outlet accessibility, area deprivation, and adult drinking patterns*. NZ Lottery Health Research Grant. Co-PI/Senior Biostatistician. \$21,464, 10% effort

Consulting

(Successful grants where I was a named co-investigator, but for which I am no longer involved due to geography)

- 1/2016 – 1/2017 Halpern M, **Bell ML** *Secondary Analysis of Existing Data Sets: Patient-Reported Reasons for Changes in DMT Use and Subsequent Treatments and Clinical Outcomes*. National MS Society. Senior Biostatistician. \$99,401.50,
- 2015 – 2016 Najafi B, Garcia D, Garland L, Grewal G, **Bell ML**. *Managing Chemotherapy Induced Neuropathy in Cancer Patients Using ExerGaming*. NIH R21, \$275,000,.
- 2013 – 2015 Tattersoll M, Silvester W, Clayton J, Detering K, Hall J, Butow P, Kiely B, Cebon J, Clarke S, **Bell ML**. *Advance care planning in incurable cancer patients with disease progression on first line chemotherapy: a randomised trial*. National Health and Medical Research Council of Australia. Co-PI/Senior Biostatistician. \$A745,946.06
- 2012- 2014 Butow P, Thewes B, Turner J, Gilchrist J, Beith J, Girgis A, Sharpe L, **Bell ML**, Mihalopoulos C. *Evaluation of a psychological intervention for fear of cancer recurrence: A cluster randomised controlled trial*. Cancer Australia, Beyond Blue, Australian Breast Cancer Foundation. Co-PI/Senior Biostatistician. \$A496,702, 10% effort
- 2012-2014 Vardy J, Dhillon H, **Bell ML**, Cysique L, Tattersall M, Clarke S, Boyle F, McLachlan A. *Ginkgo biloba preserves cognitive function in women treated with adjuvant chemotherapy for early breast cancer: a double-blind, placebo-controlled, randomised phase III trial*. Cancer Australia, Beyond Blue, Australian Breast Cancer Foundation. Co-PI/Senior Biostatistician. \$A600,000, 10% effort

Teaching and Postgraduate Supervision

*Postgraduate Student Supervision**Primary research supervisor*

2017 - 2019	PhD supervisor, Libby Floden, Biostatistics
2016 - 2019	PhD supervisor, Brooke Rabe, Statistics GIDP
2014 - 2016	PhD supervisor, Mallorie Fiero, Biostatistics
2004 - 2008	PhD co-supervisor, Sandhya Ramrakha, Epidemiology
2018 - 2019	MS thesis supervisor, Innocent Twysege
2018 - 2019	MS thesis supervisor, Mary Miller
2016 - 2016	MS thesis supervisor, Valerie Cousineau, Biostatistics
2015 - 2016	MS thesis supervisor, Brenda Vincent, Biostatistics
2015 - 2017	MS thesis supervisor, David Phillips, Biostatistics
2014 - 2015	MS thesis supervisor, Erin Ashbeck, Biostatistics
2014 - 2015	MS thesis supervisor, Zuxi (Terry) Cui , Biostatistics
2005 - 2007	Masters of Health Sciences, Martin Kidd, physiotherapy
2018 - 2019	MPH internship supervisor, Lili Zhou, Biostatistics
2015 - 2017	MPH internship supervisor, Caroline King, Biostatistics
2015 - 2016	MPH internship supervisor, Valerie Bloss, Biostatistics
2014 - 2017	MPH internship supervisor, Elinora Price, Biostatistics
2012 - 2013	Honors student co-supervisor, Brittany Ager, Psychology
2012 - 2013	Honors student co-supervisor, Angelique Ralph, Psychology
2007 - 2008	Honors student co-supervisor, Chikako van Koten, Math/Stats
2006 - 2007	Honors student supervisor, Zijia (Carrie) Jiang.

Committee member

2018 -	PhD minor supervisor, Amanda Wilson, Environmental Health Sciences
2017 - 2019	PhD minor supervisor; MPH advisor Lili Zhou, Pharmacoeconomics
2017 -	PhD minor supervisor, Alesia Jung, Epidemiology
2017 - 2019	PhD committee, Muhan Zhou, Biostatistics
2016 - 2018	PhD minor supervisor, Melissa Flores, Family and Consumer Sciences
2016 - 2016	PhD committee, Shuang Huang, Biostatistics
2014 -	PhD dissertation committee, Nancy Stroupe, Epidemiology
2015 - 2019	PhD minor supervisor, Yoshira Ornelas, Environmental Health Sciences
2007 - 2009	PhD co-supervisor, Paul Hendriks, Physiotherapy
2018 - 2019	MS committee, Ziyue Jia
2016 - 2018	MS committee, Min Zhou, Biostatistics
2015 - 2017	MS thesis committee, Jessika Ava, Biostatistics
2014 - 2015	MPH internship supervisor (2 nd), Brittany Shutes, Biostatistics

Other

2105 - 2016	Faculty mentor, Libby Floden and Patrick O'Connor, SAS Global Forum Student Symposium Competition, Finalists
-------------	--

Curriculum Development

MSc Biostatistics University of Otago, Program Director 2007 - 2009

Primary developer of a proposal for a new MSc in Biostatistics, a joint divisional, joint departmental degree introduced in 2009. I developed a proposal with colleagues in the Department of Preventive and Social Medicine and the Department of Mathematics and Statistics, and was responsible for writing the proposal, proposing four new classes for the degree, gaining internal and external consultation from statisticians and scientists, and submitting the proposal to the Divisions of Science and Health Science, Board of Graduate

Studies, and the Committee on University Academic Programmes.