

**Colleen Norris**

PhD, MSc, BScN, RN

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**Professional Overview:**

Dr. Norris' research focuses on the health outcomes of patients with coronary artery disease. As part of her doctoral work she designed and directed the follow-up evaluation of the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH), a province wide clinical data collection initiative that captures all patients undergoing cardiac catheterization in the province of Alberta. Dr. Norris completed post-doctoral fellowships awarded through the Canadian Cardiovascular Outcomes Research Team (CCORT) and Tomorrows Research Cardiovascular Health Professionals (TORCH). Upon acquiring a tenure-track position with the Faculty of Nursing, Dr. Norris successfully attained a Canadian Institute of Health Research (CIHR) New Investigators Award (2004-2009) followed by an Alberta Heritage Foundation for Medical Research (AHFMR) Population Health Investigator Award (2005-2009). She is currently the Associate Director of Research for the Division of Cardiovascular Surgery in the Faculty of Medicine at the University of Alberta. Additionally, Dr. Norris is the Scientific Director for the Cardiovascular Health and Stroke Strategic Clinical Network (SCN). In the role of Scientific Director, Dr. Norris engages network colleagues to champion a broad provincial health research agenda to address the health needs of the Cardiovascular and Stroke population.

## **Education:**

- PhD (Epidemiology), University of Alberta (2002)
- MN, University of Alberta (1992)
- BScN, University of Alberta (1982)
- RN, University of Alberta Hospital (1978)

## **Current Research Interests:**

Through her research associations, Dr. Norris has collaborated with researchers locally, nationally and internationally from various health care disciplines in the general area of cardiovascular epidemiology and health outcomes research. She has held operational grant funding from CIHR and the Heart and Stroke Foundation of Canada as both a PI and Co-Investigator of studies focusing on outcomes research. She presently has joint appointments with the Divisions of Cardiology in the Faculty of Medicine, and the School of Public Health. As a member of the APPROACH team, and an Epidemiologist, her role in these cross-appointments includes assisting medical students, residents and clinicians both from a methodological and a statistical perspective with their research projects. Dr. Norris was the Epidemiological consultant for the Division of Cardiovascular Surgery, a relationship that was formalized in 2011 when she was seconded to the Division as the Associate Director of Research. In 2012, Dr. Norris was appointed as the Scientific Director of the Cardiovascular Health and Stroke Strategic Clinical Network (SCN). In the role of Scientific Director, Dr. Norris engages network colleagues to champion a broad provincial health research agenda to address the health needs of the Cardiovascular and Stroke population. She is particularly interested in translating evidence into action/practice to ensure every Albertan has access to high-quality health care.

Based on her growing expertise in Cardiovascular health outcomes research, in particular sex and gender differences in CV outcomes, Dr. Norris has been invited to speak at National and International plenary sessions including the American Heart Association Health Outcomes Conference, an International forum on health outcomes research, as well as the Canadian Cardiovascular Nursing Congress (closing address), the American Heart Association Annual Meeting (Chicago) and most recently at the European Cardiovascular Congress (Munich Germany). She has and continues to serve on research committees and peer Review Panels of the Mazankowski Alberta Heart Institute, the University of Alberta, CIHR, Heart and Stroke Foundation of Canada, and the American Heart Association. Dr. Norris' research activities have led to over 200 peer reviewed publications including high profile papers published in journals including Circulation, JAMA, and Annals of Internal Medicine.

## **Other:**

Dr. Norris presently teaches undergraduate and a graduate statistics and research courses and mentors Masters and Doctoral students in Nursing, Medicine and Public Health Science.

## Publications:

1. van Diepen S, Graham MM., Nagendran J, **Norris CM**. Predicting Cardiovascular Intensive Care Unit Readmission after Cardiac Surgery: Derivation and Validation of the APPROACH CVICU Clinical Prediction Model from a Registry Cohort of 10,799 Surgical Cases. *Critical Care*, 2014, 18:651
2. Veronovici NR, Lasiuk G, Remple G, **Norris CM**. Discharge Education to Promote Self-Management Following Cardiovascular Surgery: An Integrative Review. *European Journal of Cardiovascular Nursing* Feb 2014, vol 13 (1)p 22-31.
3. Graham MM, O'Neill D, Rolfson DB, Dando C, Galbraith PD, **Norris CM\***. The impact of frailty on outcome in elderly patients with acute coronary syndromes. *Canadian Journal of Cardiology*. 29(12):1610-5, 2013 Dec.
4. Fech J, Welsh R, Hegadoren KM, **Norris CM**, Caring for the radial artery post-angiogram: A comparison of three methods of compression. *European Journal of Cardiovascular Nursing* March 2012; vol. 11, 1: pp. 44-50., first published on January 11, 2012
5. **Norris CM**. A three year lifestyle intervention for adults at moderate to high risk of cardiovascular disease may be cost effective when added to standard care and improves three year physical-function and bodily pain scores. *Evidenced Based Nursing* 14(2): 50-1, 2011 Apr.
6. **Norris CM**. A three year lifestyle intervention for adults at moderate to high risk of cardiovascular disease may be cost effective when added to standard care and improves three year physical-function and bodily pain scores. *Evidenced Based Nursing* 14(2): 50-1, 2011 Apr.
7. Oreopoulos A, Padwal R, McAlister FA, Ezekowitz J, Sharma AM, Kalantar-Zadeh K, Fonarow GC, **Norris CM**. Association between obesity and health-related quality of life in patients with coronary artery disease. *International Journal of Obesity* 34(9):1434-41, 2010 Sep.
8. **Norris CM**, Murray JW, Tripplett LS, Hegadoren KM, Gender roles in persistent sex differences in health-related quality-of-life outcomes of patients with coronary artery disease. *Gender Medicine- August 2010* 7(4): 330-39
9. **Norris CM**. Prevalence of myocardial infarction over a 10-15 year period in the USA has decreased in midlife men but increased in women. (Comment –journal article)cnorris *Evidence-Based Nursing* July 2010 13:78.
10. Oreopoulos A, McAlister FA, Kalantar-Zadeh K, Padwal RA, Ezekowitz J, Sharma A, Fonarow GC, and **Norris CM**. The relationship between body mass index, treatment, and mortality in patients with established coronary artery disease: A report from APPROACH *European Heart Journal* November 2009;30; p. 2584-92
11. **Norris CM**, Ljubsza A, Hegadoren KM. Gender as a determinant of anxiety and depression responses in patients with coronary artery disease. *Gender Medicine* Vol 6 (3) Sept 2009 p479-87.
12. **Norris CM**, Patterson L, Galbraith PD, Hegadoren KH. All you have to do is call; A Pilot Study to improve the outcomes of patients with coronary artery disease. *Applied Nursing Research*. 2009 Vol 22 (2) 133-37
13. **Norris CM**, King K. A qualitative examination of the factors that influence women's quality of life as they live with coronary artery disease. *Western Journal of Nursing Research*. 2009 31(4) 513-24.
14. Mohamed R, McAlister FA, Pretorius V, Kapoor AS, Majumdar SR, Ross DB, **Norris CM**, Alberta Provincial Program for Outcome Assessment in Coronary Heart Disease I. Preoperative statin use and infection after cardiac surgery: a cohort study. *Clinical Infectious Diseases*. 2009;48(7):e66-72.
15. **Norris CM**, Spertus JA, Jensen L, Johnson J, Hegadoren KM, Ghali WA, for the APPROACH Investigators. Sex and Gender Discrepancies in Health-Related Quality of Life Outcomes Among Patients With Established Coronary Artery Disease. *Circ Cardiovasc Qual Outcomes*. 2008;1(2):123-130.

