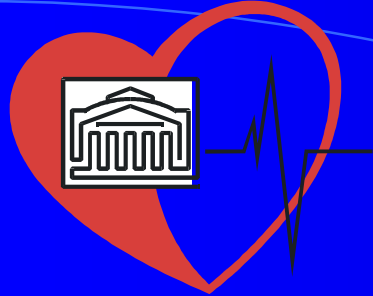




University of Ottawa Heart Institute

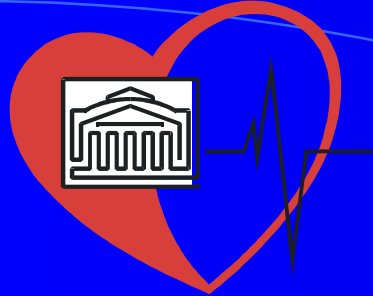
Clinical Research Centre
Statistical Services

Kathryn A. Williams



University of Ottawa Heart Institute

- Canada's only complete Cardiac Institute, encompassing research, prevention, diagnosis, rehabilitation, and educational programs
- a regional referral Cardiac Centre (Hospital) for Eastern Ontario
- Heart Health Education Centre provides innovative education and evidence-based interventions aimed at prevention, detection and management of cardiovascular disease
- Cardiovascular Genetic Centre will provide both the research and clinical management of inherited cardiovascular disease
- Research covers from basic research to the development of new therapies, from clinical trials to health promotion



Clinical Research Centre

- 246 approved active clinical protocols at the University of Ottawa Heart Institute, including 160 clinical trials and another 86 studies involving chart review, questionnaires, tissue collection and/or registries
- Over 50 have been supported by the Clinical Research Centre in 2004
- Clinical trial design, sample size, randomization, case report form and collection development, data management, data analysis and publication
- Expertise in statistical analyses including survival analysis, model fitting and statistical testing for papers submitted to medical journals
- Educational workshops, Clinical Research Discussion Group, Ottawa Biostatistics Interest Group



Clinical Research Centre

- areas of research include:
 - analysis of case-control data from the Coronary Artery Bypass Surgery Risk Assessment Study
 - longitudinal data analysis with a factorial design to assess therapeutic strategies to prevent inflammatory response after bypass
 - develop & implement multi-centre trial on resynchronization / defibrillation for advanced heart failure
 - Cox modeling to assess prognostic value of positron emission tomography imaging for cardiac events
 - genetic data analysis to determine the influence of Pro¹²Ala PPAR_γ2 Genotype on glucose response to exercise training in type 2 diabetes