

# Sex and Gender Training Resources for CCNA Trainees and Researchers

## Prepared by CCNA Women, Gender, Sex and Dementia Cross-Cutting Program

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#### 1. Canadian Institutes of Health Research (CIHR)

***Sex, Gender and Health Research Guide: A Tool for CIHR Applicants.*** This guide is designed to familiarize researchers with the difference between sex and gender and help them to integrate sex and gender into their research designs. <http://www.cihr-irsc.gc.ca/e/32019.html>

#### **CIHR Institute of Gender and Health**

The CIHR has launched an online course on integrating sex and gender in biomedical research and two additional courses are under development. These courses will give researchers and peer reviewers the skills to integrate sex and gender in health research. <http://www.cihr-irsc-igh-isfh.ca/?lang=en>

#### ***Module 1: Sex and Gender in Biomedical Research.***

This course has three objectives:

- Recognize nomenclature used in sex and gender science
- Identify methods to conduct sex and gender science
- Critically appraise the integration of sex and gender in protocols and publications

#### ***Module 2: Sex and Gender in Primary Data Collection with Humans***

This course has three objectives:

- Define and distinguish between sex and gender-related variables in a health research context
- Identify methods for integrating sex and gender in research involving primary data collection with human participants
- Critically appraise the integration of sex and gender in protocols and publications

#### ***Module 3: Sex and Gender in the Analysis of Data from Human Participants***

This course has three objectives:

- Define and distinguish between sex-related and gender-related variables using data from human participants
- Apply methods for conducting a sex and gender-based analysis using data from human participants
- Critically appraise the integration of sex and gender in the data analysis plan of research using data from human participants

Additional videos and webinars about sex and gender: <http://www.cihr-irsc.gc.ca/e/48641.html>

Strategic Plans and Infographics: <http://cihr-irsc.gc.ca/e/8681.html>

Checklists for Funding Opportunities: <http://cihr-irsc.gc.ca/e/8682.html>

Sex/Gender-Responsive Assessment Scale: <http://cihr-irsc.gc.ca/e/49335.html>

Sex and Gender Case Book: <http://cihr-irsc.gc.ca/e/44082.html>

## 2. National Institutes of Health

The National Institutes of Health in the US offers three online courses: <https://sexandgendercourse.od.nih.gov/>

### ***a) The Basic Science and the Biological Basis for Sex- and Gender-Related Differences***

This first course is designed to give the student a basic scientific understanding of the major physiological differences between the sexes, the influences these differences have on illness and health outcomes, and the implications for policy, medical research, and health care.

### ***b) Sex and Gender Differences in Health and Behavior***

The second internet module applies the basic concepts presented in the first course to specific conditions and organ systems where sex and gender differences play a significant role.

### ***c) The Influence of Sex and Gender on Disease Expression and Treatment***

The third internet module is designed to provide participants with an overall understanding of how sex and gender impact function on select organ systems as well as disease and treatment options.

## 3. Health Canada

Health Canada does not offer courses on the topic of sex and gender in research, but several resources on the topic of sex and gender are available to read on the Health Canada website.

- The Importance of Sex and Gender-Based Analysis to Canadians Health:  
<http://www.hc-sc.gc.ca/hl-vs/gender-genre/analys/index-eng.php>
- Sex and Gender-Based Analysis (SGBA):  
<http://www.hc-sc.gc.ca/hl-vs/gender-genre/analys/gender-sexes-eng.php>
- Health Portfolio Sex and Gender-Based Analysis Policy:  
<http://www.hc-sc.gc.ca/hl-vs/pubs/women-femmes/sgba-policy-politique-ags-eng.php>

## 4. Public Health Agency of Canada

The Public Health Agency of Canada published The Chief Public Health Officer's Report on the State of Public Health in Canada in 2012, which included a chapter entitled "***Incorporating Sex and Gender into Health Interventions***": <http://www.phac-aspc.gc.ca/cphorsphc-respcacsp/2012/chap-4-eng.php>

## 5. European Commission

- **Gendered Innovations** is a collaboration between the European Commission and Stanford University in the US. This project aims to: 1) develop practical methods of sex and gender analysis for scientists and engineers, and 2) provide case studies as concrete illustrations of how sex and gender analysis leads to innovation. Extensive resources on methods used to integrate sex and gender in research are available on their website, as well as case studies to illustrate the importance of sex and gender. <http://genderedinnovations.stanford.edu/index.html>
- **Gender-Net** is an organization funded by the European Commission and aims to promote gender in research. Resources are available on their website: <http://www.gender-net.eu/>

## 6. European Curriculum In Gender Medicine

The European Curriculum in Gender Medicine has compiled a Material Database of sex and gender specific research, which is available on their website: [http://eugim.charite.de/en/eugim/material\\_data\\_base/](http://eugim.charite.de/en/eugim/material_data_base/)  
(**Note:** Registration is required to view this resource).