

The background features a dark blue gradient with a complex pattern of white and light blue circular elements. On the left side, there is a large, semi-circular scale with numerical markings from 140 to 260 in increments of 10. Several concentric circles and arcs are scattered across the frame, some with arrows indicating a clockwise or counter-clockwise direction. The overall aesthetic is technical and scientific.

# SEX AND GENDER BASED ANALYSIS (SGBA): CONSIDERATIONS IN HEALTH-RELATED RESEARCH

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# LAND ACKNOWLEDGEMENT

In Canada, we live, learn, and work on traditional Indigenous territories. We pay our respects to the First Nations, Métis and Inuit ancestors and affirm our commitment to respectful relationships with one another and this land.

# TERMINOLOGY

## Gender

- Psychosocial and sociocultural attributes: Describes the socially constructed ways a person identifies and is identified
  - Gender Identity: How a person labels their own gender
  - Gender Expression: How a person outwardly expresses their gender
  - Gender Attribution: How others perceive a person's gender
  - Gender Roles: Imposed expectations and norms
- Terms: men, women, girls, boys, non-binary, gender non-conforming, gender diverse people

Resources:

[What is gender? What is sex? - CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/queer-terms)

[Queer Terms – OUTSaskatoon](#)

[Usask Positive Space Training](#)

[Gender Pronouns | LGBT Resource Center \(uwm.edu\)](#)

## Sex

- Biological attributes of cells, tissues, humans, and animals: include DNA, hormones, reproductive organs, and secondary sex characteristics (i.e., vocal pitch, facial hair, distribution of fat tissue, etc.)
- Terms: male, female, intersex

## Two-Spirit

- Describes how Indigenous people who are gender and/or sexually diverse identify.
- Encompasses the interconnectedness of cultural identity, gender, and sexual identity.

# CIHR PEER REVIEW: POLICY

- Spring 2018: Review of SGBA within health-related research was embedded into peer review for the Project grant competition
- Now: CIHR expects all applicants integrate SGBA into their research design when appropriate
  - Purpose of SGBA: to promote rigorous science that is sensitive to sex and gender, thereby expanding our understanding of health determinants for all peoples.

## Resources:

[Progress Update: SGBA in Action at CIHR – CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/progress-update-sgba-in-action-at-cihr)

[Peer review: Policies and procedures - CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/peer-review-policies-and-procedures)

[Science is better with sex and gender - CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/science-is-better-with-sex-and-gender)

# CIHR PEER REVIEW: PROCEDURES (UPDATED FEBRUARY 2021)

- Reviewers will be **explicitly required** to include their assessment of whether SGBA is appropriate for the research being proposed.
  - If so, the **overall application score and written evaluation** will reflect if SGBA has been suitably addressed in the research proposed.
- This will supplement the current practice of simply identifying whether SGBA is a strength, a weakness or not applicable to the proposal.

## Resources:

[Assessing Sex and Gender Integration in Peer Review – YouTube](#)  
[Peer review - CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/peer-review)  
[What you should know about the Spring 2021 Project grant competition - CIHR \(cihr-irsc.gc.ca\)](#)

# WHAT IS CONSIDERED A STRENGTH?

Strong proposals will:

Integration of Sex:	Integration of Gender:
<ul style="list-style-type: none"><li>✓ Include, report and analyse cells, tissues, animals, or humans by sex</li><li>✓ Build on what we know about sex differences in the field of study</li><li>✓ Design experiments that will disaggregate results by sex</li></ul>	<ul style="list-style-type: none"><li>✓ Report what is known about gender in the field of study</li><li>✓ Describe how gender will be investigated</li><li>✓ Use methods that address and mitigate bias (Consider recruitment strategies, data collection methods, KT plan)</li><li>✓ Design experiments that will disaggregate and analyse results by gender</li></ul>

# WHAT IS CONSIDERED A WEAKNESS?

Proposals that do not integrate sex and/or gender:

- ✘ Do not provide a strong justification for a single-sex study
  - ✘ Fail to report that gender is relevant to the topic
  - ✘ Ignore sex and/or gender differences reported in the scientific literature, or fails to build on published data
  - ✘ Do not report sex of cells, tissues, animals, or humans
  - ✘ Fail to disaggregate results by sex and/or gender where possible/relevant
  - ✘ Conflate terms for sex and gender
- ☐ If sex and/or gender considerations are not applicable to your research proposal/design, applicants must include compelling justification
- ✓ [Key considerations for the appropriate integration of sex and gender in research – CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca/en/sex-and-gender-equity-in-research)
  - ✓ [Sex and Gender Equity in Research: rationale for the SAGER guidelines and recommended use \(biomedcentral.com\)](https://www.biomedcentral.com/sager)

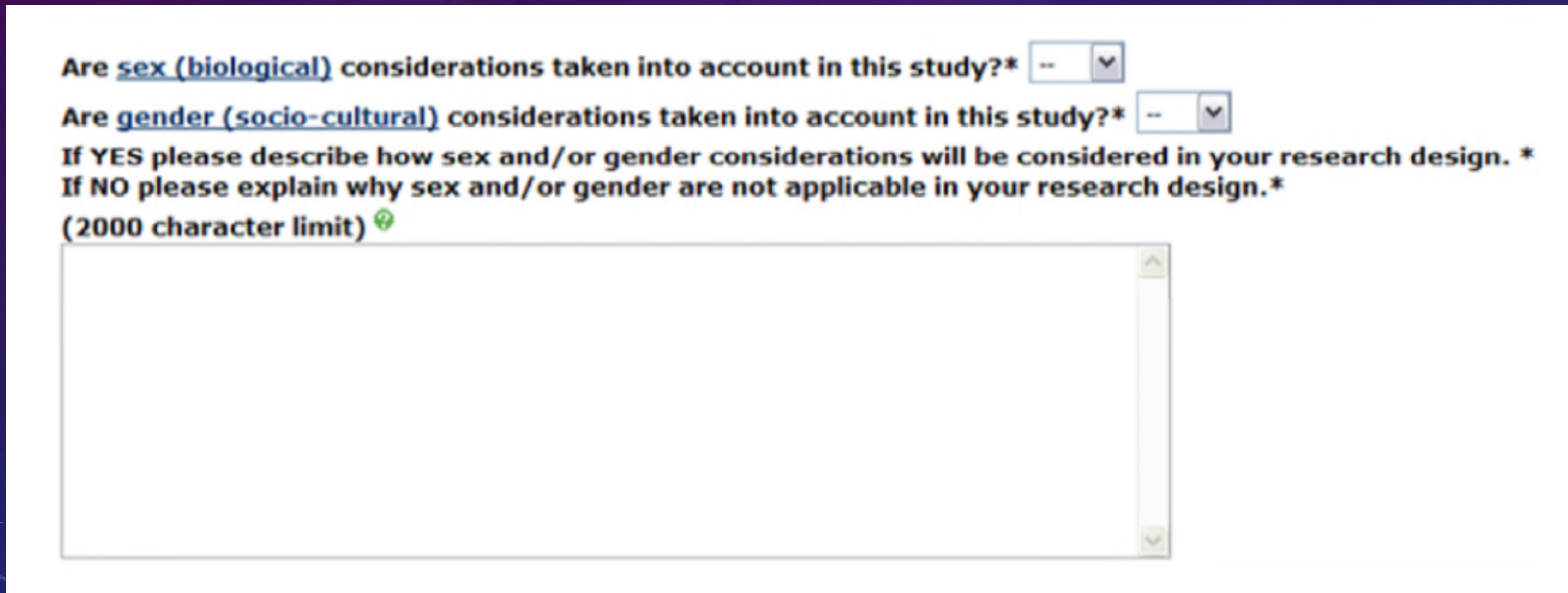
# APPLICATION DETAILS

- Task 2: Enter Proposal Information (Sub-task: Details)
  - Within the online portion of the grant application within ResearchNet you will be required to answer two “Yes/No” regarding integration of sex and/or gender considerations.
  - A text box is provided to provide justification to your responses must then be completed.

Are sex (biological) considerations taken into account in this study?\* -- ▾

Are gender (socio-cultural) considerations taken into account in this study?\* -- ▾

If YES please describe how sex and/or gender considerations will be considered in your research design. \*  
If NO please explain why sex and/or gender are not applicable in your research design.\*  
(2000 character limit) ⓘ



Resources:

[Project Grant: Application Instructions - CIHR \(cihr-irsc.gc.ca\)](https://www.cihr-irsc.gc.ca)



# TIPS FOR INTEGRATING SGBA INTO YOUR PROPOSAL

- Consider the text box as a summary of the SGBA described within your proposal: This section should not be the only area of your application where this information appears!
  - Literature review/Background: Know the “real world” representation of sex and/or gender in your field of study
  - Methods: Clearly justify sample sizes and materials and describe a data collection and analysis strategy that will show reviewers you can disaggregate, and report results by sex and/or gender.
  - Knowledge translation: Ensure methods will reach diverse peoples and audiences
  - Consider the strength of your team

# RESOURCES

- Access training resources available through CIHR and locally
  - CIHR [Training Modules](#)
  - Checklists ([Biomedical](#) & [Research with Human Participants](#))
  - Sex and Gender in Health Research [Factsheets](#)
  - SCPOR: [Sex and Gender in Health Research](#)
    - Resource: [Checklist for Integrating Sex and Gender Considerations](#)
  - Work with your Research Facilitator (click on this [link](#) and search by discipline)
  - SSHRC [Best Practices in EDI in Research](#)
  - Usask [Grants Repository](#)
  - USask [EDI](#) resources