

Summer Institute - Learning Objectives as Requested by Trainees

We organized trainees' responses to the question "What are the top three learning objectives you hope to achieve by attending the Institute?" into five themes: (1) Sex and Gender+ Methodology and Analysis, (2) Research Practices, (3) Healthcare Systems and Practices, (4) Knowledge Mobilization and Policy, (5) Other.

Please consider addressing as many subthemes as possible in the learning objectives for your session. The topics that are not covered by speakers will be complemented with suggested readings for trainees.

1. Sex and Gender+ Methodology and Analysis

Biomedical perspective on menstruation

- Learn from the biomedical perspective about **women's menstruation**

Biomedical perspective on sex and gender affirmation

- Learn about biomedical differences related to **sex & gender affirmation**

Biomedical vs. sociocultural approach to sex and gender

- Identify the potential **resolution** between the **biomedical approach and socio-cultural approach to gender and sex**

Challenges with sex and gender+ science

- Data **analysis limitations**
- Learning about the **challenges** associated with **application** of sex and gender+ science

Measurements of gender

- Enhance my knowledge of **gender evaluation scales** and tools to assess and **integrate gender-related factors** in research design
- Acquire knowledge on how to **integrate gender and gender diversity in statistical analysis**
- Use and development of **gender scales in survey data**
- How to **integrate gender** in my research considering I work with **pre-collected data** (beyond pre-existing scales)

Methodology to incorporate sex and gender in research

- Ask questions **beyond sex/gender differences**
- Identify the types of **gender and sex indicators** to include in research
- **Integrating** sex and gender + lens **into health services research**
- How to better **integrate biological sex** in my research
- Navigating **inclusion/exclusion criteria** for sex-based studies
- Getting exposed to **new methods** of getting at this topic
- **Methods** for integrating sex, gender, and other factors like race into health research
- **Methods** to properly incorporate sex and gender+ science in my current and future research
- Skills in incorporating sex and gender considerations into **research design**
- Better **design studies** that examine role of sex/gender
- Understand the importance of sex and gender+ science and apply it to the **design and analysis of observational studies**

- Latest **research methods** and **innovative approaches** in sex and gender studies to stay current with emerging trends and apply cutting-edge strategies in **academic and practical settings**
- Understanding of sex and gender+ science across the four pillars of health research + **methodological approaches**
- Exploring how to most effectively **collect and analyze both quantitative and qualitative data on sex and gender**, particularly in gender-diverse communities
- Scientific **reporting** on sex and gender+ (e.g., **desegregating data**)

Sex and gender analysis

- **Analyze** gender and sex indicators in research
- **Analysis** methods for **qual data**
- **Analysis** methods of **quant data** considering sex and gender
- Apply advanced **analytical techniques** to assess the **impact** of sex and gender-related factors in health research
- **Statistical approaches or methods** I can use to best assess sex/gender and intersectionality
- Develop skills to critically **assess and apply** Sex and Gender+ Science in research practices

Sex and gender analysis - low and middle income countries

- Applications of sex and gender+ in **low income countries**
- Advance sex and gender research in **LMICs**

Sex and gender distinctions and overlaps

- Improve my knowledge of the **concepts of gender and sex**
- Understanding of the **distinctions and overlaps between biological sex and gender** as social constructs, exploring how they **shape identity** and **influence societal norms**
- Understanding of the **common terms employed in sex and gender research**, such as gender identity, gender roles, sex, etc.

Sex, gender, and intersectionality in research

- How **sex and gender+ intersect with other population health variables** to impact health research
- Examine the **intersectionality of sex and gender with other aspects of identity** (such as race, class, and sexuality) to appreciate **diverse experiences** and the resulting implications for policy and social justice
- Understand **intersectionality of sex & gender with other factors** like disease, SES, and health care usage + **methodological approaches** of studying it
- Strengthen **intersectional research methods** in sex and gender+ science
- **Statistical approaches or methods** I can use to best assess sex/gender and **intersectionality**
- Appropriately incorporating **intersectionality in to quantitative analysis**
- Apply **intersectionality and health systems thinking** to advance healthcare delivery and policy reforms for underserved communities

Sex and gender effects in health

- Improve understanding of **how sex and gender influence health outcomes** in various populations, with a focus on identifying and addressing disparities in healthcare access, treatment, and outcomes
- Expand understanding of **how sex/gender influence health and clinical outcomes**
- Learning about the different **ways that gender can affect health**

Sex and gender in health research

- Understand the **importance** of sex and gender+ science
- Recognizing the **relevance** of incorporating a sex and gender lens in the **four pillars of health research**
- Understanding of sex and gender+ science **across the four pillars** of health research
- Learning about sex and gender+ **across a variety of health topics**
- **Canadian perspectives** on sex- and gender-based research practices

Working with Sexual and Gender Minority (SGM) communities

- Integrating sex and gender minorities in research, **recruitment** challenges
- Learn how trans and non-binary folks factor into **clinical trials**
- **Methods** for studying transgender and non-binary individuals' **health**
- Emerging **qualitative methods** for working with gender expansive populations
- How different fields **treat and analysis trans and non-binary data**
- Exploring how to most effectively **collect and analyze both quantitative and qualitative data** on sex and gender, particularly in **gender-diverse communities**
- Developing capacity to build **respectful and reciprocal community partnerships** with SGM communities through research
- **Intersectional/justice-oriented** ways of working with gender expansive participants
- How to move beyond a deficits approach into a **strengths-based approach** when conducting research with groups who have experienced sex and/or gender related inequities (including SGM communities)

2. Research Practices

Community partnerships and shared-decision making

- Do better **community-based/patient oriented** gender health research
- Developing capacity to build **respectful and reciprocal community partnerships** with SGM communities through research
- **Foster partnerships critical to scaling my research globally**, particularly in low- and middle-income countries (LMICs)
- Participate in **shared decision-making** and **capacity bridging sessions with various stakeholders** of sex and gender health research

Conducting interdisciplinary research

- Extending my knowledge of **multidisciplinary applications of SGBA+**
- Best practices for integrating sex, gender, and equity considerations **across diverse research fields**
- Fostering partnerships that can lead to **impactful interdisciplinary projects**
- Ways to **increase interdisciplinary collaboration** in research projects

Creating a representative participant pool

- How to create a more **representative participant pool** of the general population
- How be more **inclusive** and how include more **representative sample** in our studies

Culturally sensitive research practices

- Fostering a more **comprehensive and culturally sensitive understanding** of best practices

Deconstructing stereotypes in research

- **Deconstructing and challenging gender stereotypes** embedded in health research

3. Healthcare Systems and Practices

Access to care and systemic barriers

- Learn more about **inequities found in health services** and gaps to fill through future research
- **Assess and address the systemic barriers to healthcare access**, focusing on the design and implementation of interventions that **improve care for marginalized and underserved populations**
- Apply intersectionality and health systems thinking to **advance healthcare delivery** and policy reforms for **underserved communities**

Advocacy and social justice

- Enhance my efforts to **advocate for equitable healthcare practices**
- Learn how to be a stronger **advocate for inclusive and equitable health research**
- Emphasis on driving policy change and **advancing social justice in healthcare**
- **Identify the structural forces** that affects the wellbeing of different sexed and gendered populations
- Examine the **intersectionality** of sex and gender with other aspects of identity (such as race, class, and sexuality) to appreciate diverse experiences and the resulting **implications for policy and social justice**

Integrating sex and gender into health systems and care

- Applications and practical solutions for integration of sex and gender into **patient care**
- Strategies to incorporate sex and gender-related factors into **project planning and health system initiatives**
- Knowledge and tools to explore how sensitive to SG+ approaches can **inform and optimize health interventions**

Health disparities and inequities

- Translating research into practice to **address health disparities in marginalized groups**
- Develop **transdisciplinary** research skills to **address health disparities in marginalized populations**
- Understanding of how sex and gender influence health outcomes in various populations, with a focus on **identifying and addressing disparities in healthcare access, treatment, and outcomes**
- **Assess the wellbeing disparity** within the **LGBTQ+ community**

Personalized medicine and person-centered care

- Understanding of sex and gender+ science to integrate these frameworks into my research on **person-centered care and health equity**
- Understanding of how to effectively **translate person-centered care principles into practice**, especially within diverse, multicultural healthcare settings, and acquire tools to enhance patient outcomes.

- How are these element relevant and can be applied to **personalized medicine**
- Strategies for **leading initiatives that foster equitable and compassionate care**, particularly for underserved and marginalized communities

4. Knowledge Mobilization and Policy

Knowledge mobilization

- Knowledge mobilization **strategies**
- Mobilize knowledge to make a **meaningful impact**
- Understanding **sex and gender considerations** for KT
- **Engage and share findings** with the public

Policy implications

- How **research** can be leveraged to **inform policy** (on a more practical level)
- How to **translate** sex and gender based **research findings into effective health policies** and interventions
- **Driving policy change** and advancing social justice in healthcare
- Learn about **policies** that should be implemented systematically **to mitigate inequities and discrimination** rooted in gender and sexuality in health research
- Apply intersectionality and health systems thinking to advance healthcare delivery and **policy reforms for underserved communities**
- Examine the **intersectionality** of sex and gender with other aspects of identity (such as race, class, and sexuality) to appreciate diverse experiences and the resulting **implications for policy and social justice**
- Strategies for **addressing biases in healthcare data and policy**

Networking and collaborations

- Meeting new people who have **similar interests**
- Connect with people working in the **same field**
- Networking with **peers and established** sex and gender+ **researchers**
- Connections with **transdisciplinary scholars, mentors, and peers**
- Meaningful connections with **peers**, and **professionals** for **collaborations**
- **Collaborative** relationships with **scientists, clinicians, and health advocates**
- **Collaborative networks** and interdisciplinary perspectives
- Collaborate with **peers, academics, and community leaders** will **foster partnerships** critical to scaling my research globally, particularly in low- and middle-income countries (LMICs)
- Participate in a **collaborative environment** that will provide a platform for **brainstorming innovative research directions** and **fostering partnerships**
- Opportunities to **get involved with IGH** as a trainee

5. Other

COVID impact on women's health

- Build knowledge about the **COVID-19 pandemic consequences on women's health**

Political influences

- How does the current **political climate impact sex/gender research** now and in the future?