



NIH Office of Research on Women's Health (ORWH)

**CONCEPT CLEARANCE:  
Galvanizing Health Equity through  
Novel and Diverse Educational  
Resources (GENDER)**

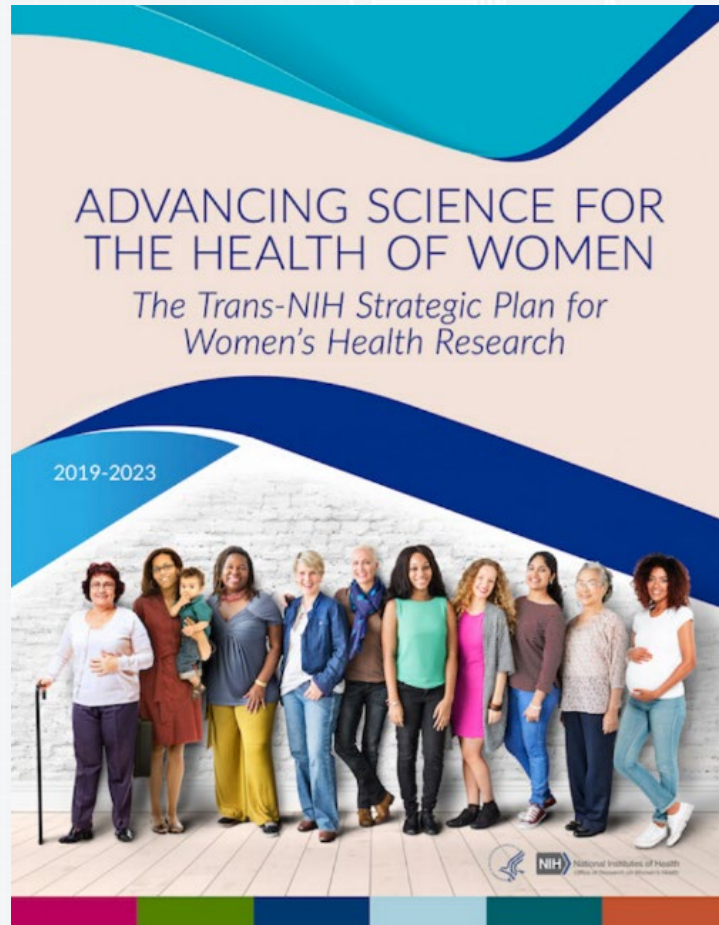


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Clinical Research

**ACRWH: April 6, 2022**



# 2019-2023 Trans-NIH Strategic Plan for Women's Health Research



## Strategic Goals

**Advance rigorous research** that is relevant to the health of women

Objective 4.1: knowledge of sex and gender influences should be integrated with the skills that nurture effective researchers...development and implementation of educational training programs will be needed to update the knowledge and skills of current biomedical researchers as well as those returning to or entering the workforce

# Training in Gender and Sex is Lacking

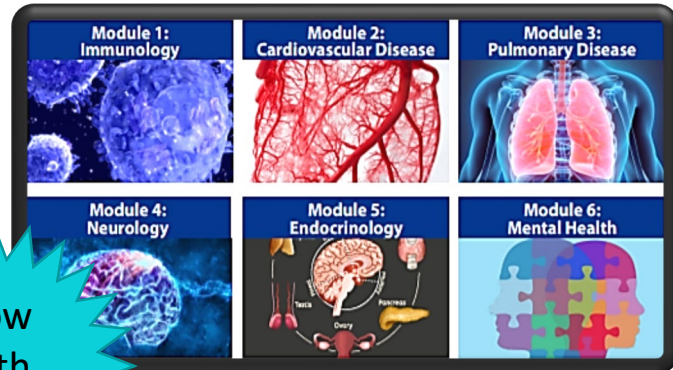
- Existing data on sex and gender-based medicine in medical schools' curricula suggests that concepts of sex and gender are underexplored in medical training<sup>1,2</sup>
- A 2016 study found that medical students have a strong desire for sex- and gender-specific training; less than half feel prepared to apply sex- and gender-specific knowledge clinically.<sup>3</sup>

1. Kling JM, Rose SH, Kransdorf LN, Viggiano TR, Miller VM. Evaluation of sex- and gender-based medicine training in post-graduate medical education: a cross-sectional survey study. *Biol Sex Differ*. 2016;7(Suppl 1):38. Epub 2016/10/30. doi: 10.1186/s13293-016-0097-3. PubMed PMID: 27790362; PubMed Central PMCID: PMC5073974.
2. Rydberg A, Buras MR, Quillen J, Miller V, Kling JM. Sex and gender specific health topics in medical student learners: pulse check eight years later. *Biol Sex Differ*. 2021;12(1):53. Epub 2021/10/11. doi: 10.1186/s13293-021-00397-w. PubMed PMID: 34627380; PubMed Central PMCID: PMC8501372.
3. Jenkins MR, Herrmann A, Tashjian A, Ramineni T, Ramakrishnan R, Raef D, Rokas T, Shatzer J. Sex and gender in medical education: a national student survey. *Biol Sex Differ*. 2016 Oct 14;7(Suppl 1):45. doi: 10.1186/s13293-016-0094-6. PMID: 27785347; PMCID: PMC5073801.

# Current and Future ORWH Interprofessional Education Efforts



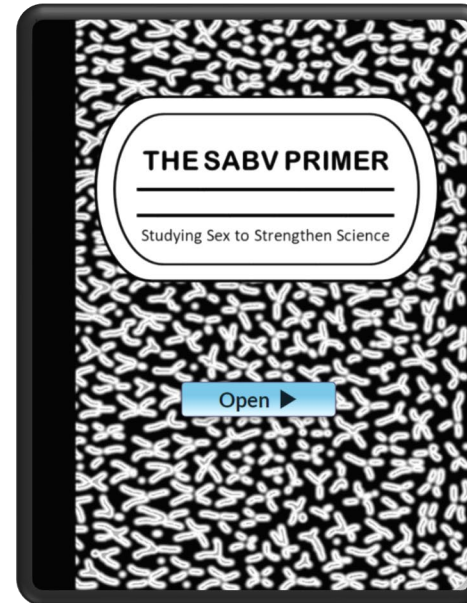
# ORWH Interprofessional Education Program



Now with CMEs!

FDA U.S. FOOD & DRUG ADMINISTRATION OFFICE OF WOMEN'S HEALTH

New course!



## Educational Resources

### ORWH Resources

- Bench to Bedside: Integrating Sex and Gender to Improve Human Health Course
- Sex as a Biological Variable: A Primer
- Introduction: Sex- and Gender-Related Differences in Health
- Methods & Techniques for Integrating Sex into Research

### Trans-NIH Resources

- Office of Clinical Research Clinical Research Training
- Trans-NIH Strategic Plan for Women's Health Research
- Pearls of Wisdom from Women in Biomedical Careers
- Introduction to the Principles and Practice of Clinical Research (IPPCR)
  - "Considering Inclusion in Research: An Introduction to Scientific and Policy Perspectives" ; lecture by Janine A. Clayton, M.D., FARVO, ORWH Director
  - "Women and Minorities as Participants in NIH Clinical Research" ; lecture by Samia Noursi, Ph.D., ORWH Associate Director for Science Policy, Planning, and Analysis
- Centers of Excellence in Pain Education
  - Online interactive pain management curriculum resources
- Transgender Training Resources (NIAID Division of AIDS Cross-Network Transgender Working Group)
  - In-person and online educational resources. Free registration required

## SABV TRAIN THE TRAINER COURSE MODULES

You can navigate through the course slides at a pace most comfortable for you. The main menu will indicate which slides have been accessed, not which have been completed.

**Module 01**  
Introduction to SABV  
Train the Trainer Course

**Module 02**  
Training Planning and  
Preparation

**Module 03**  
In-person  
Instructor-Led Training

**Module 04**  
Virtual Instructor-Led  
Training

**Module 05**  
One-on-One and Group  
Training

**Module 06**  
SABV Best Practices

Click on each module above to navigate through the course

Update in progress

## Introduction: Sex- and Gender-Related Differences in Health



30 Years OFFICE OF RESEARCH ON WOMEN'S HEALTH Advancing the Health of Women Through Science

NIH/ORWH

@NIH\_ORWH

nih.gov/women

#ResearchForWomen

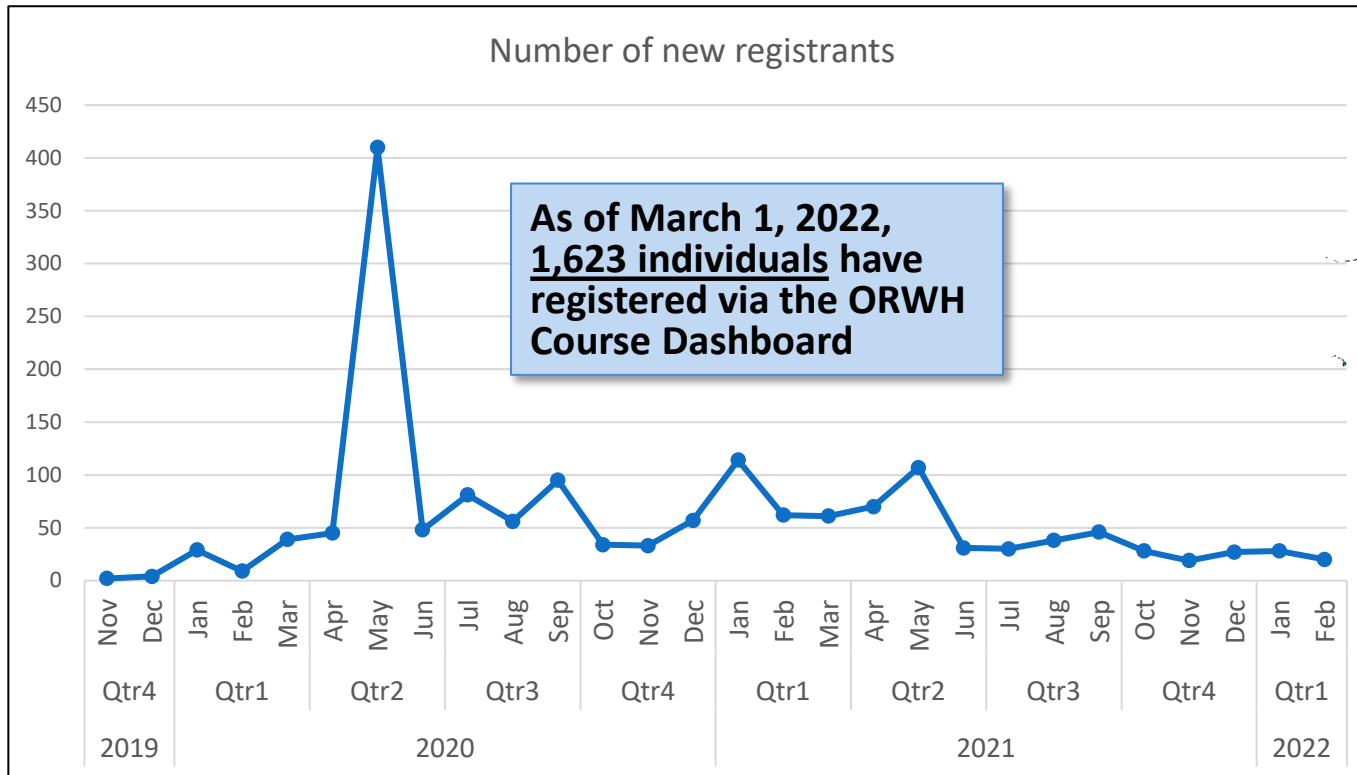


# *Introduction: Sex- and Gender-Related Differences in Health*

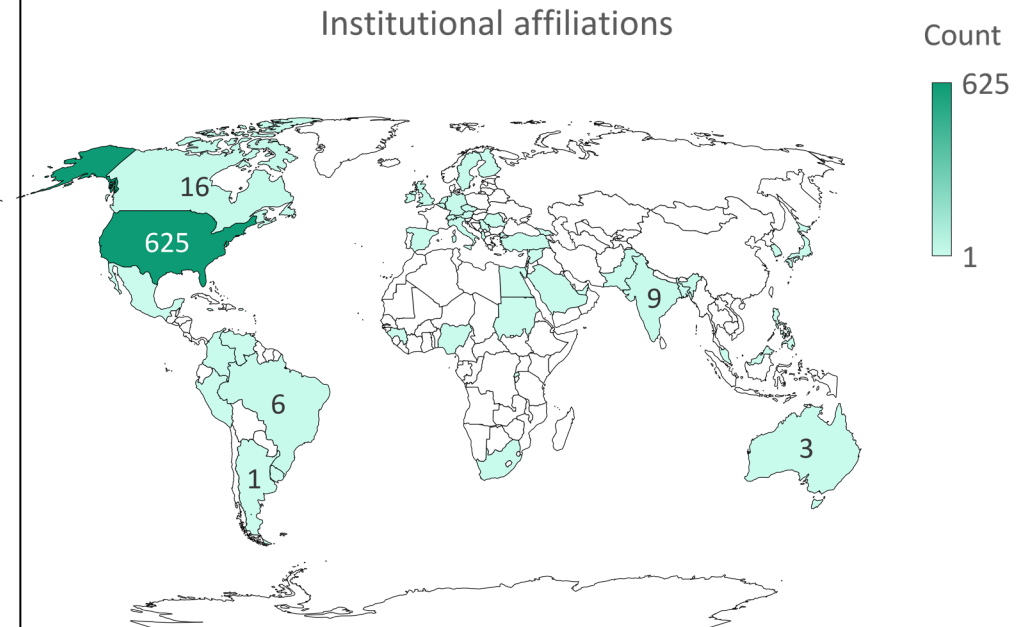
- Revising and expanding PPT training to include:
  - Exploration of multiple domains of gender (gender identity, gender norms and roles, gender relations, gender in/equity)
  - Expanded discussion of intersectionality & social determinants of health
  - Discussion of female-specific conditions
  - Recent advances and notable publications on sex differences and health
- Content revisions anticipated Summer 2022



# Current Efforts Have Wide Appeal, Broad Reach...



Learners reported affiliations with institutions in 48 countries



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## ...But Opportunities for Expansion Remain

- 1 in 5 public commenters (53/247, 21%) identified **provider training** as a priority in the Request for Information (RFI) published prior to *Advancing NIH Research on the Health of Women: A 2021 Conference*.

“Doctors need to be trained in **how to listen to and care for women with chronic issues.**”

-Patient testimony

While improving the care delivered to all patients who present to the emergency department will improve care for women, **special attention should be paid to sex and gender differences in health and disease throughout the health education continuum.**

-Provider group

“In order to create a sustainable pipeline for women’s health research, **dedicated resources and training mechanisms should be developed to engage the next generation of leaders in science and medicine who are cognizant of both the biological and social determinants of health imparted by sex and gender.**”

-Advocacy group



# Galvanizing Health Equity through Novel and Diverse Educational Resources (GENDER)



## Objective:

To support the development of **courses for skills' development** and **curricula/methods** related to sex and/or gender



## Audience:

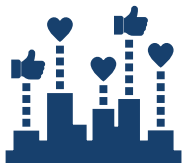
Any career stage, including: researchers, health care providers, students (undergraduate, graduate, medical, dental, veterinary, nursing, public health, and other health professions), postdocs, community advocates, public health workforce, and more



## Timeline:

Round 1 open Dec 2022 - Jan 2023

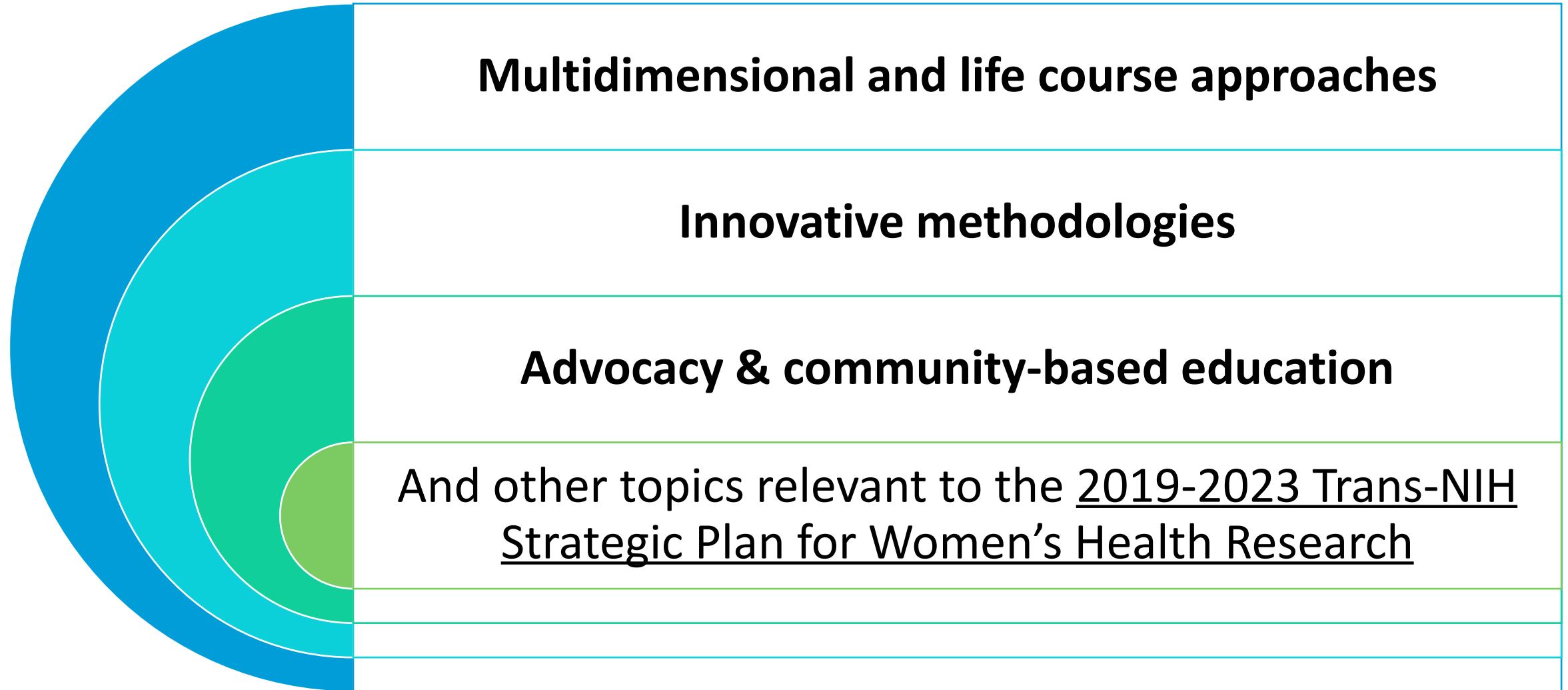
Round 2 open Dec 2023 - Jan 2024



## Dissemination:

Courses and curricula will be made available to the extramural and academic communities through a redesigned ORWH Interprofessional Education Portal

# Areas of interest



# Save the Date: October 26, 2022



## Gender & Health:

Health impacts of structural sexism, gender norms, relational power dynamics, and gender inequity



# Questions, Comments, and Thank You