

Advancing Science for the Health of Women: 2019-2023 Trans-NIH Strategic Plan for Women's Health Research

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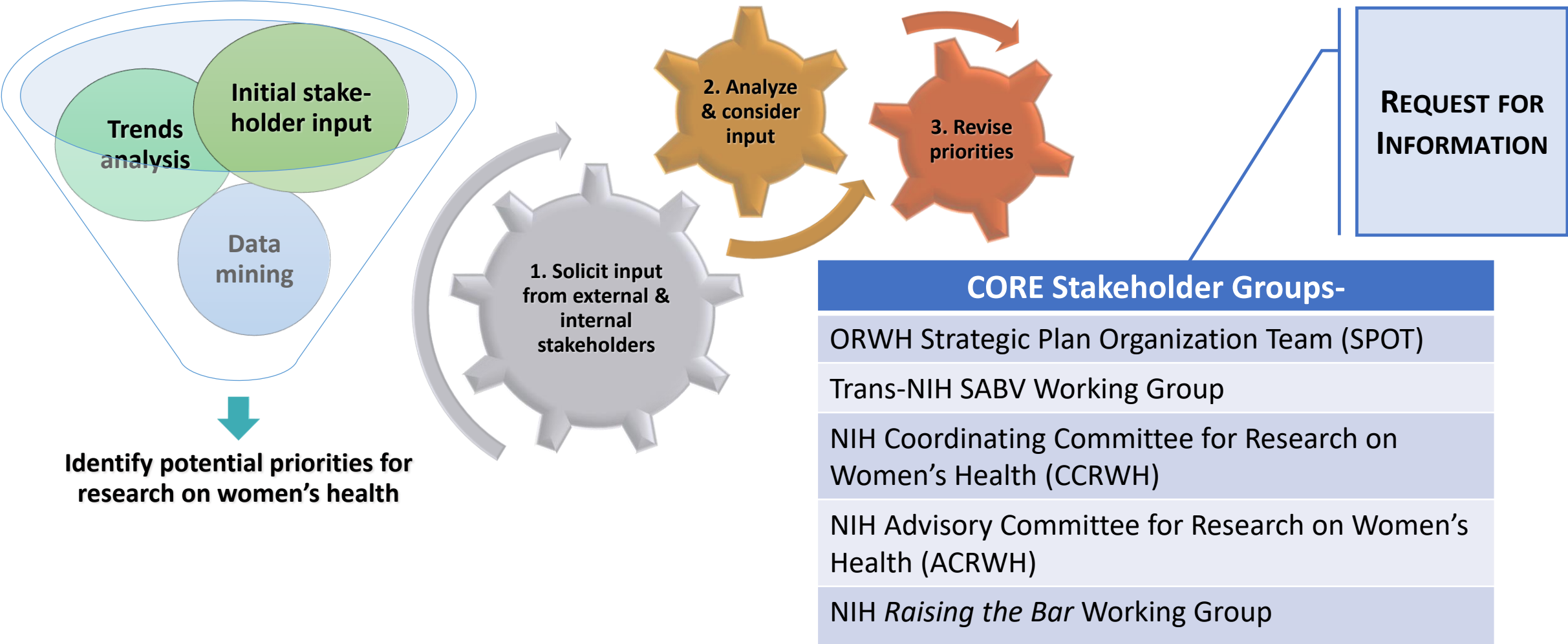
ACRWH Meeting — October 23, 2018



“You can’t really know where you are going until you know where you have been” — Maya Angelou



ORWH took a multi-resource, iterative approach to strategic planning, with a strong focus on stakeholder input



RFI Methods & Results

- Sep. 12 – Nov. 10, 2017
- 145 responses*
 - ✓ Researcher 46%
 - ✓ Federal 18%
 - ✓ Advocate 17%
 - ✓ Clinician 15%
 - ✓ Other/Unknown 14%
 - ✓ Patient 7%
- 45 broad thematic categories

*Multiple response selection permitted;
consequently, percentages sum to more than 100%.

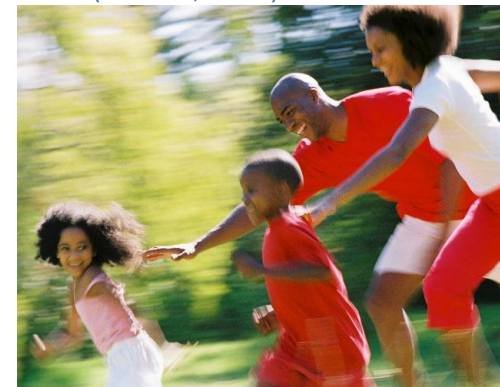
Federal Partners



(Pexels, CCO)



ADVOCACY



(Nick Youngson CC BY-SA 3.0)

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45 Categories informed the development of 5 strategic goals



Refining the plan involved the NIH broadly, as well as external stakeholders

- NIH Council of Councils
- IC Director Meetings
- CCRWH
- ACRWH Strategic Plan *Working Group*
- NIH Strategic Plan Teams



Trans-NIH strategic plan teams *collaborated* to develop the final goals and objectives

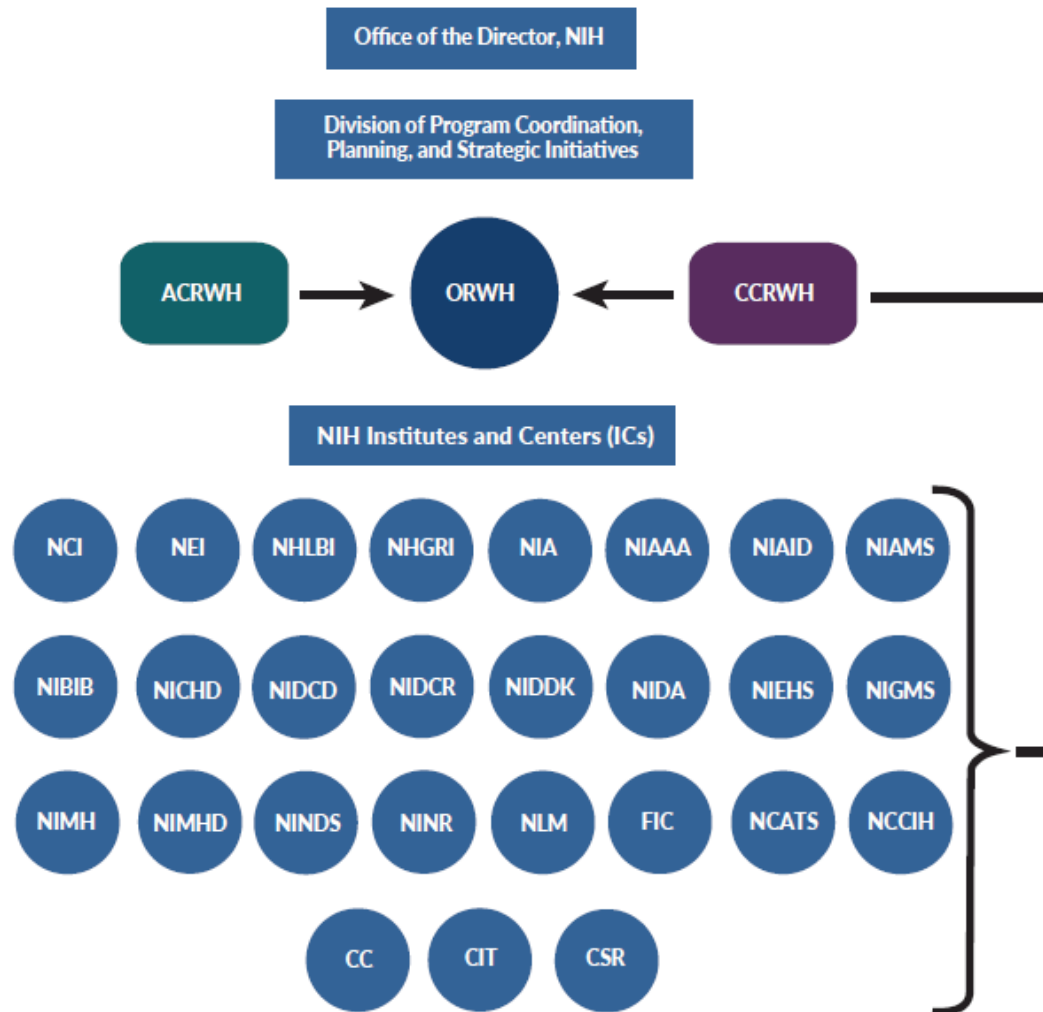
Purpose: To contribute to the development, implementation, and dissemination of the 2019 – 2023 Trans-NIH Strategic Plan for Women's Health Research

Each team co-led by ORWH team member & ICO scientist/colleague

***Membership:* 102 NIH staff representing 22 ICs and multiple offices of the OD**



NIH Coordinating Committee for Research on Women's Health members were critical partners



- Consistent engagement
- Critical input
- Supportive for staff engagement
- *Agents for implementation*

Thank you 2017-2018
ACRWH Members
& ORWH for
contributing to the
Strategic Plan!



ACRWH Working Group – Report 2019-2023 Trans-NIH Strategic Plan Carolyn M. Mazure Ph.D.

Process: broad engagement by the full committee & working group, iterative & responsive to feedback

Plan: cross-cutting themes as guiding principles, provides goals & objectives

NIH commitment to the health of women: affirmed

ACRWH: poised to support the effective dissemination, evaluation and implementation within & among NIH Institutes & Centers

ADVANCING SCIENCE FOR THE HEALTH OF WOMEN

*Trans-NIH Strategic Plan for
Women's Health Research*

2019-2023



NIH National Institutes of Health
Office of Research on Women's Health

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Office of Research on Women's Health

Advancing Science for the Health of Women



Women's Health Research is research that is *relevant* to the health of women

The **Health of Women** encompasses all diseases & conditions that affect a woman from head to toe and recognizes that individual-level biological factors interact with numerous influences across a woman's life course.



Science that will improve the health of women is guided by 3 principles



Inclusion of women, especially **populations** known to experience a disproportionate burden of illness



Engagement of multiple **perspectives** especially researchers with diverse skills, knowledge, and experiences



Consideration of the complex intersection among multiple biological **factors** and the context of a women's life





Principle: Inclusion of women,
especially populations known to experience a
disproportionate burden of illness

Research must be relevant to the health experiences of *all* women at every age & every stage

Designated U.S. health disparity populations:

- Blacks/African Americans; Hispanics/Latinos
- American Indians/Alaska Natives; Asian Americans
- Native Hawaiians and other Pacific Islanders
- Socioeconomically disadvantaged; Underserved rural
- Sexual and gender minorities

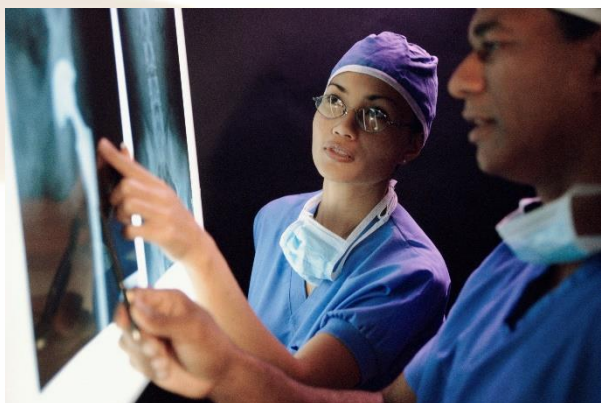
Pregnant and Lactating women

Other populations e.g. physical and developmental disability





Principle: Engagement of multiple perspectives especially researchers with diverse skills, knowledge & experiences

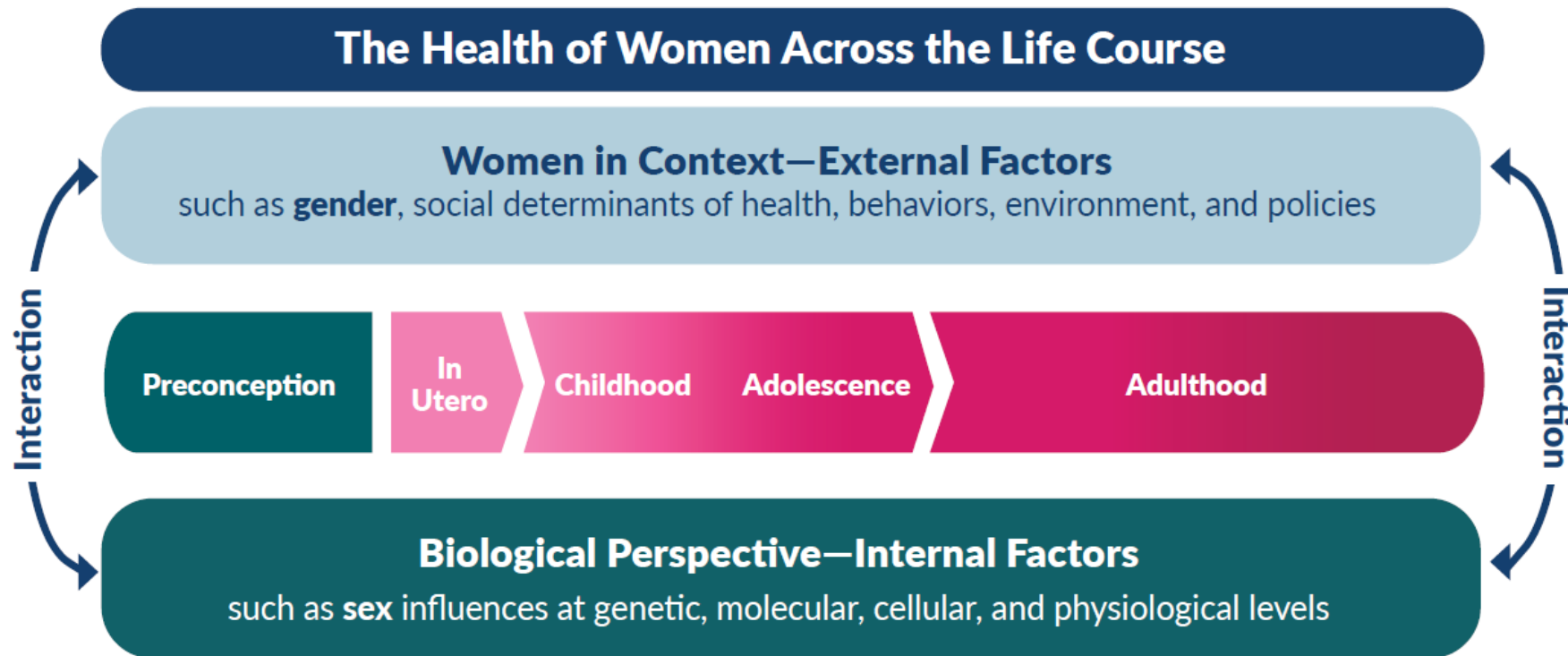


Smoky River Rural Health Week, 2017
(photo: H. Handfield & M. Lanctot; CC BY 2.0)





Principle: Consideration of the complex intersection among multiple biological factors and the context of a women's life

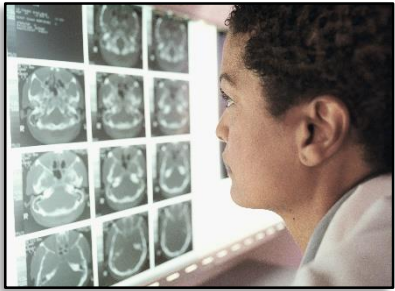


The ultimate aim of advancing science for the health of women requires the pursuit of several goals





Goal 1: Advance Rigorous Research that is Relevant to the health of women



Discover biological differences between males & females

Investigate influences of sex & gender on health & illness

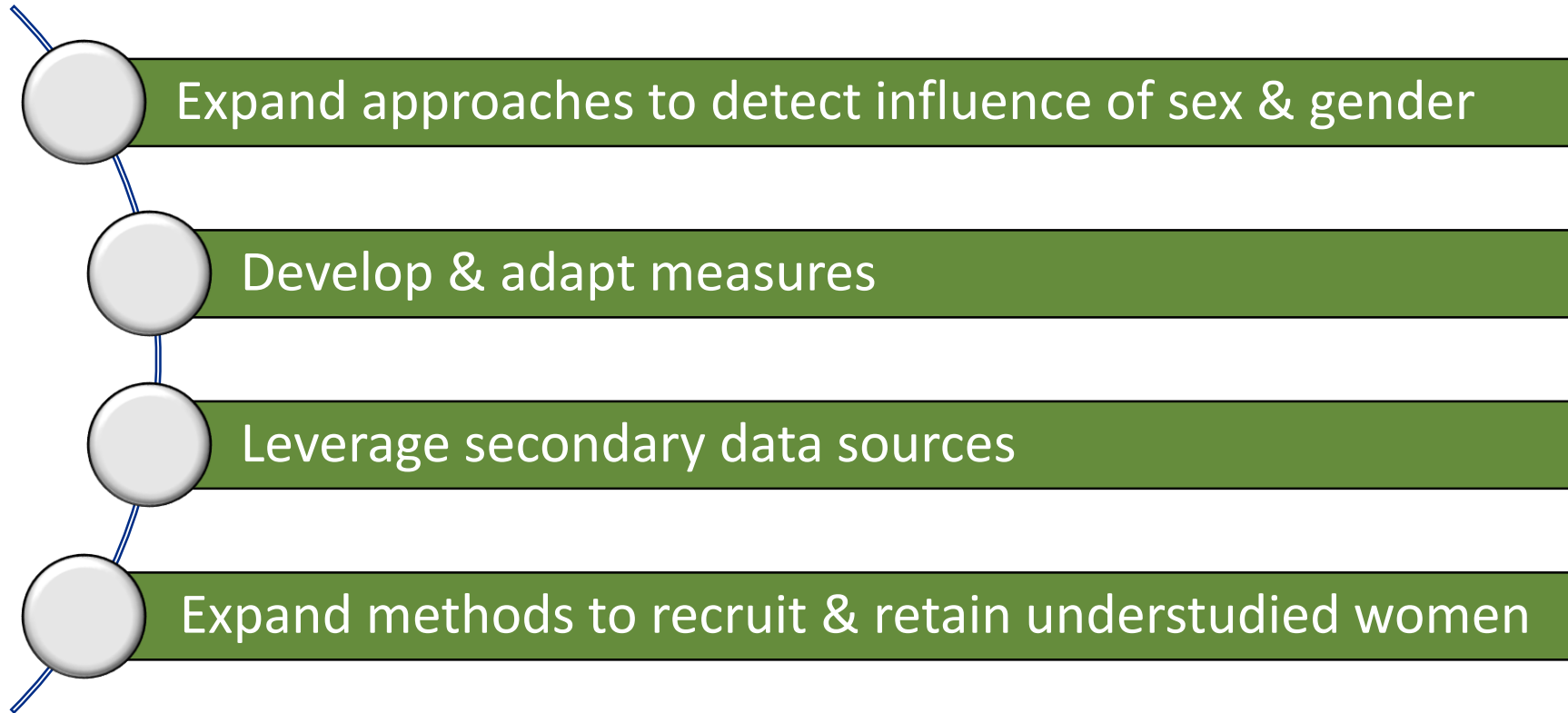
Identify the effects of exposures across the life course

Explore the influence of sex & gender on the mind-body connection

Expand research on female-specific conditions & diseases



Goal 2: Develop Methods & Leverage Data Sources that consider sex & gender influences



Sequencing flow cell & microarray chip
(image: Thomas Shafee, 2017; CC BY 4.0)



Goal 3: Enhance Dissemination & Implementation of evidence to improve the health of women



Design & test approaches to integrate evidence into practice

Leverage partnerships to disseminate research



Goal 4: Promote Training & Careers to develop a well-trained, diverse & robust workforce to advance science for the health of women



Enhance knowledge of sex & gender influences: researchers & providers

Develop the next generation of women's health researchers

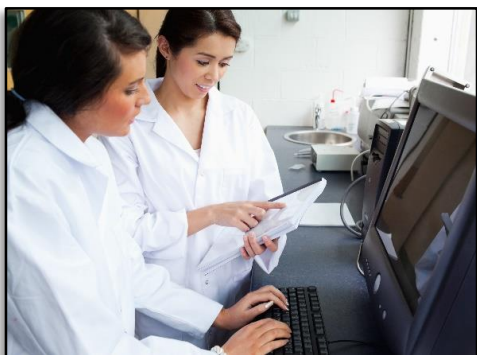
Enhance & develop programs to support women in research careers

Promote & support efforts to retain & advance women in research careers

Promote research on barriers & interventions to retain & advance women



Goal 5: Improve Evaluation of research that is relevant to the health of women

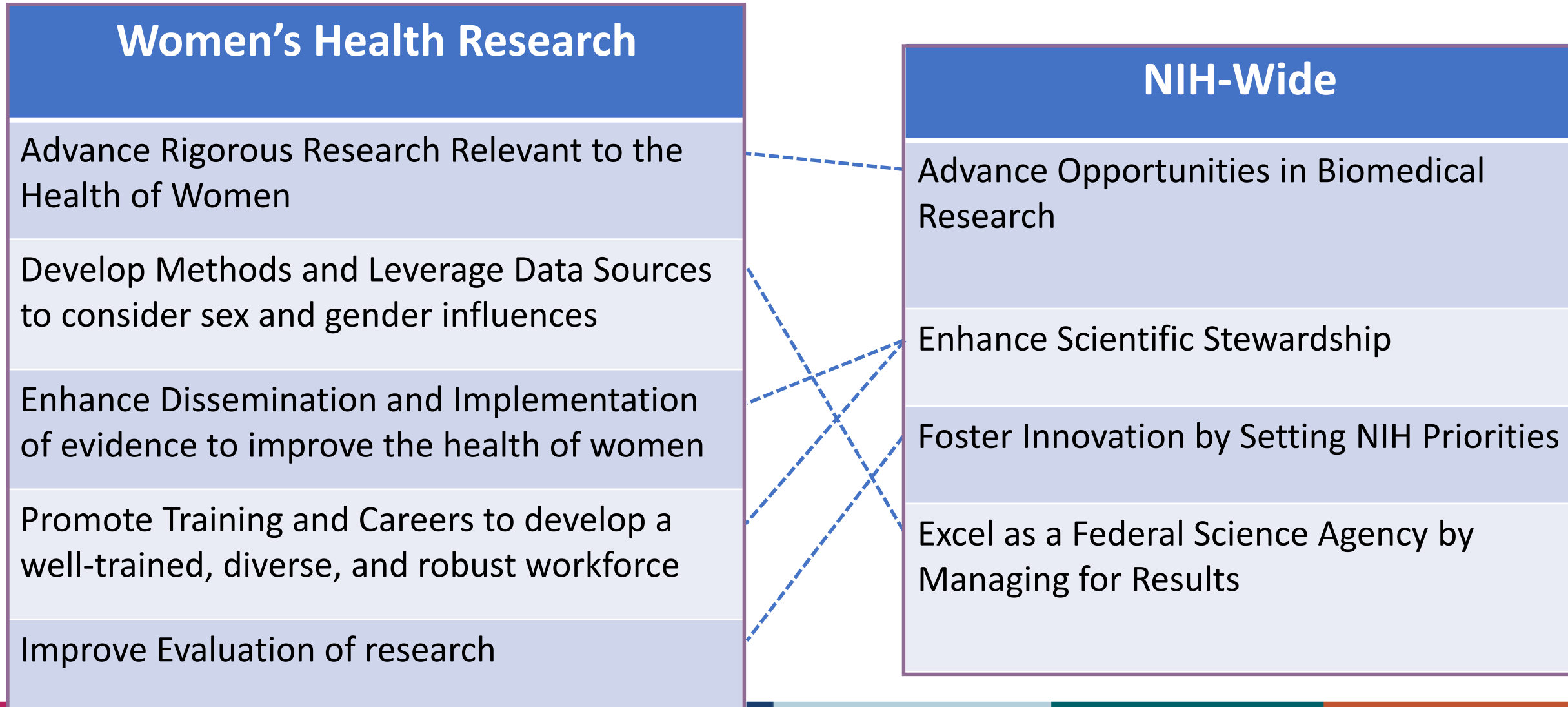


Optimize the identification of research that is relevant to the health of women

Implement systematic tracking & evaluation

Identify research priorities for funding

The *strategic plan for women's health research* operates in synergy with the *NIH-Wide Strategic Plan*

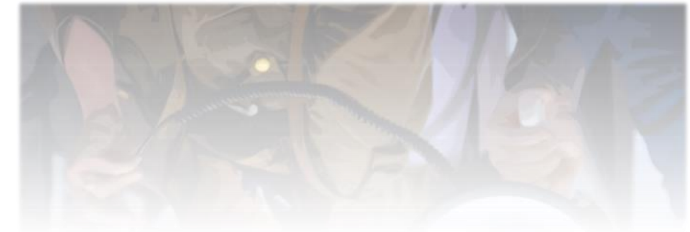


To *Advance Science for the Health of Women* – the NIH needs you!

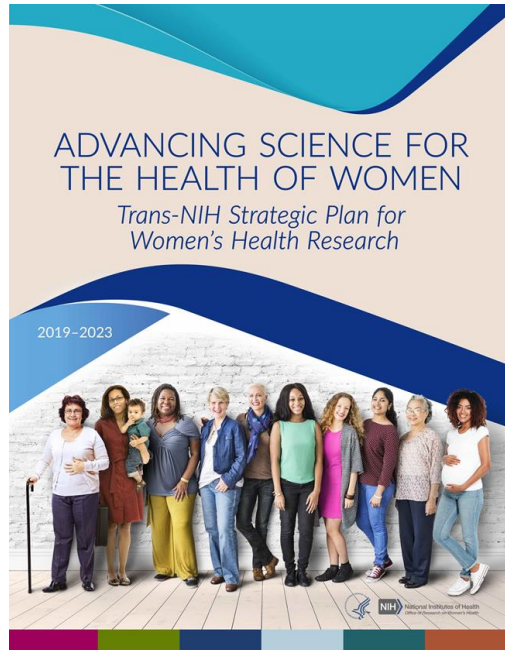
- Connect with networks, research and beyond
- Serve as Ambassadors for a multidimensional framework, for the inclusion of all women, and for interdisciplinary research
- Advocate for the plan & SABV- e.g. on editorial boards
- Disseminate in presentations
- Advise the NIH on its impact in the ‘real world’



Photo: Pixabay (CC0)



A resource for you



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

Advancing Science for the Health of Women is a vision in which sex and gender influence every woman receives evidence-based diagnosis, needs, circumstances, and goals; and women's health.

The **Health of Women** encompasses all that affect a woman from head to toe and individual-level biological factors interact with numerous influences across a woman's life course.

Develop Methods and Leverage Data Sources to consider sex and gender influences that enhance research for the health of women

- 2.1 Expand and develop advanced and innovative approaches for study design, data collection, analysis to optimize data quality and the ability to detect the influences of sex and gender on health and disease.
- 2.2 Develop and adapt reliable and valid measurement relevant to the health of women.
- 2.3 Leverage secondary data sources for research on the health of women through a big data enterprise that includes data sharing and analytic strategies.
- 2.4 Expand and refine methodologies to improve the recruitment and retention of women underrepresented in clinical research.

Goal 2



National Institutes of Health
Office of Research on Women's Health



ADVANCING SCIENCE FOR THE HEALTH OF WOMEN

Trans-NIH Strategic Plan for
Women's Health Research

2019-2023



National Institutes of Health
Office of Research on Women's Health

Research that is Relevant to Women

Differences, structural and functional, between females

Sex and gender on disease prevention, presentation, management,

and long-term effects of exposures on health and disease

is the influence of sex and gender on the connection between the

on health and disease.

Specific conditions and diseases, including reproductive stages, and

with.

Goal 1



to
the health

gender influences
scientists, clinicians,
to accelerate the
to practice.

researchers to
of women.

to recruit,
women at all stages
early career to

mentoring and
infrastructure to
their careers.
research on barriers
of women
interventions to
advancement.

Improve Evaluation of research that is relevant to the health of women

- 5.1 Optimize the identification of research that is relevant to the health of women.
- 5.2 Implement systematic tracking and evaluation of investments in research on the health of women.
- 5.3 Identify priority areas for additional study to advance the health of women.

Goal 5

Guiding Principles



PRINCIPLE I
Consideration of the complex intersection among multiple biological **factors** and the context of a woman's life



PRINCIPLE II
Inclusion of women, especially **populations** known to experience a disproportionate burden of illness



PRINCIPLE III
Engagement of multiple **perspectives**, especially researchers with diverse skills, knowledge, and experiences