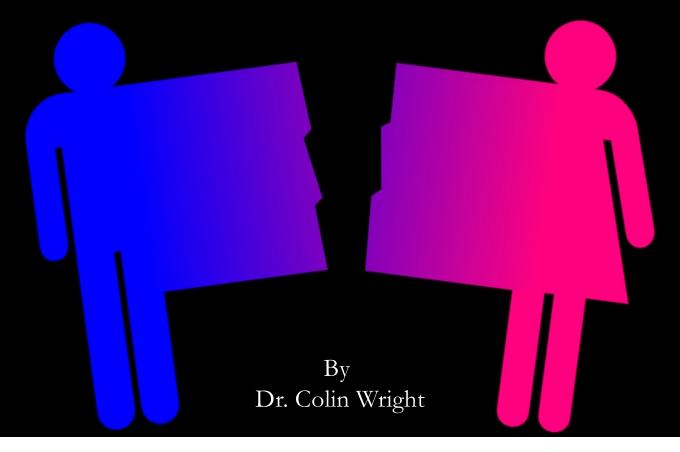
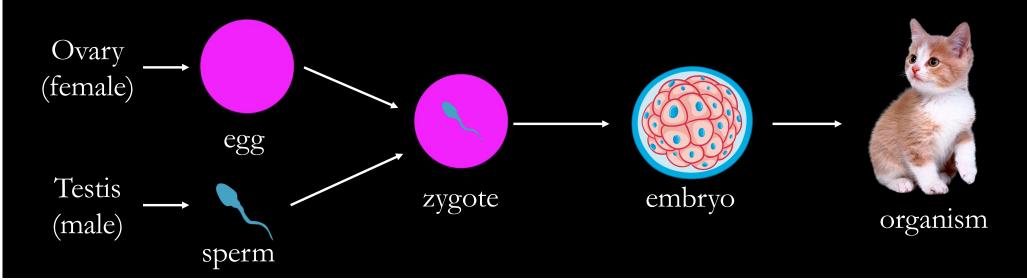
What Is a Woman?

Sex and Gender Ideology

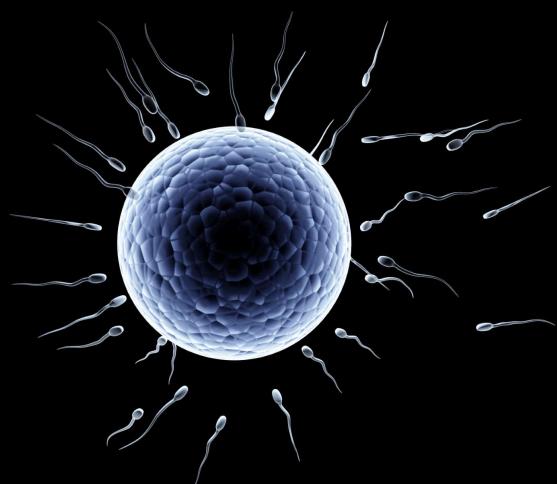


Sexual Reproduction

Sexual reproduction is a type of reproduction that involves a complex life cycle in which a gamete (such as a sperm or egg cell) with a single set of chromosomes combines with another to produce a zygote that develops into an organism composed of cells with two sets of chromosomes.



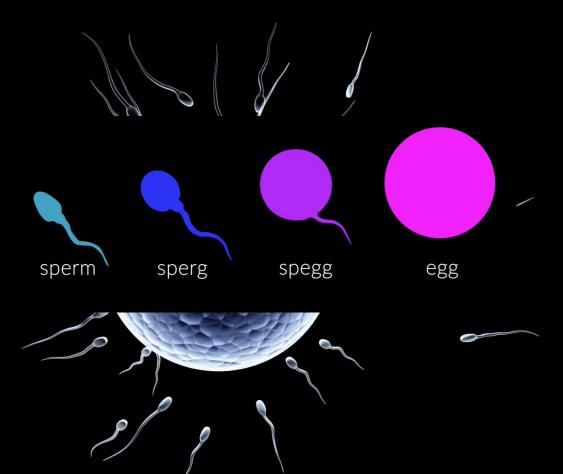
What Are Males & Females?



Broadly speaking, males are the sex that produce small gametes (sperm) and females produce large gametes (ova).

But the sex of an <u>individual</u> is based on their reproductive anatomy and is defined by the type of gamete this anatomy is organized around, through development, to produce.

What Are Males & Females?



Because there is no third or intermediate gamete(s), and therefore no third type of anatomy that can develop to produce it, there are only two sexes in humans.

Biological sex is a binary system.

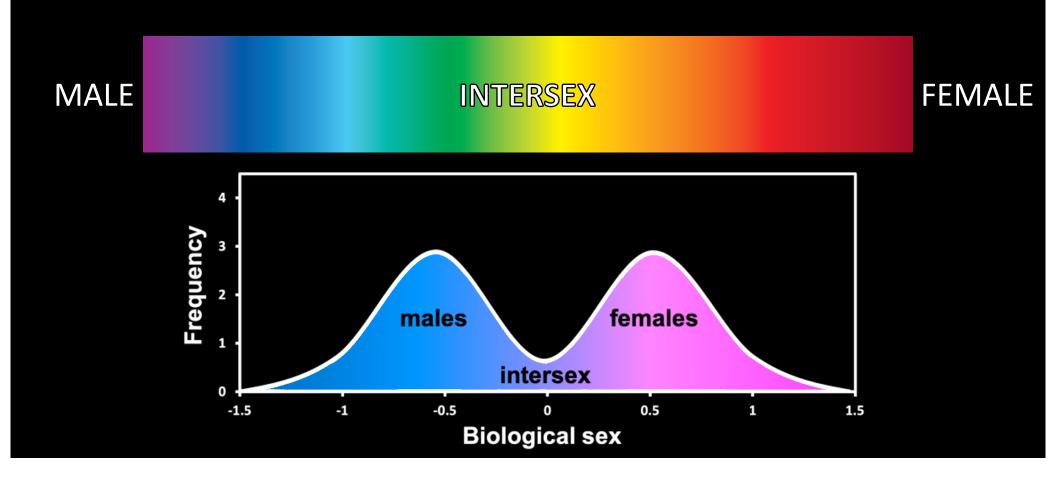
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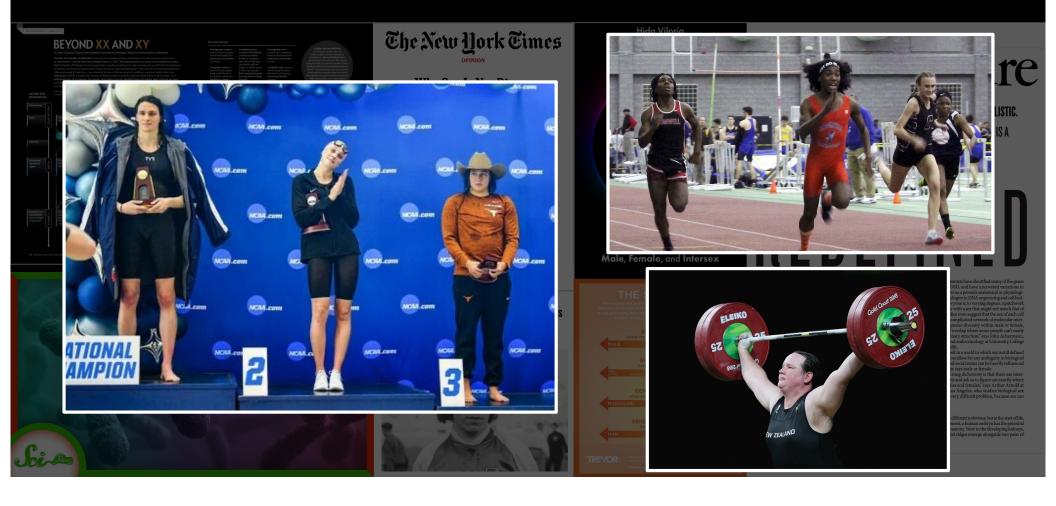
Questions?

Debunking Myths About the Biology of Sex

Myth 1: Sex is a spectrum

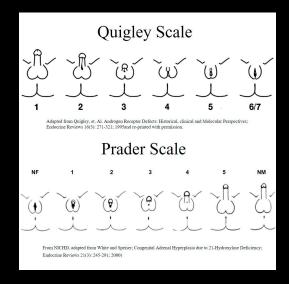
Myth 2: There are more than two sexes



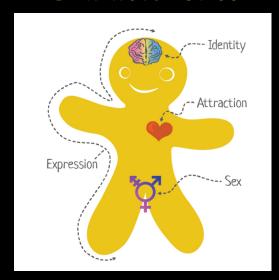


Two main arguments

Intersex Conditions

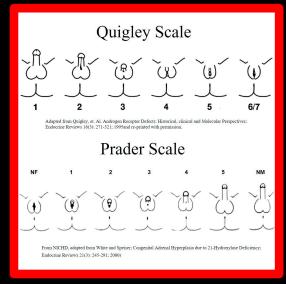


Secondary Sex Characteristics

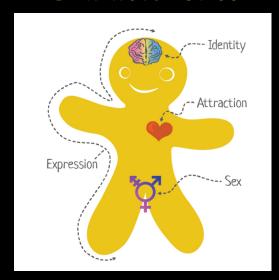


Two main arguments

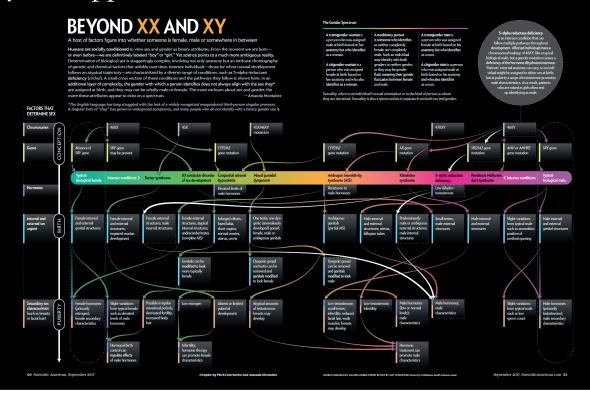
Intersex Conditions



Secondary Sex Characteristics



INTERSEX ARGUMENT: Sex cannot be binary if some individuals have sexual anatomy that appears to fall somewhere between male and female.



Male: 49.19%

Intersex: 0.02%

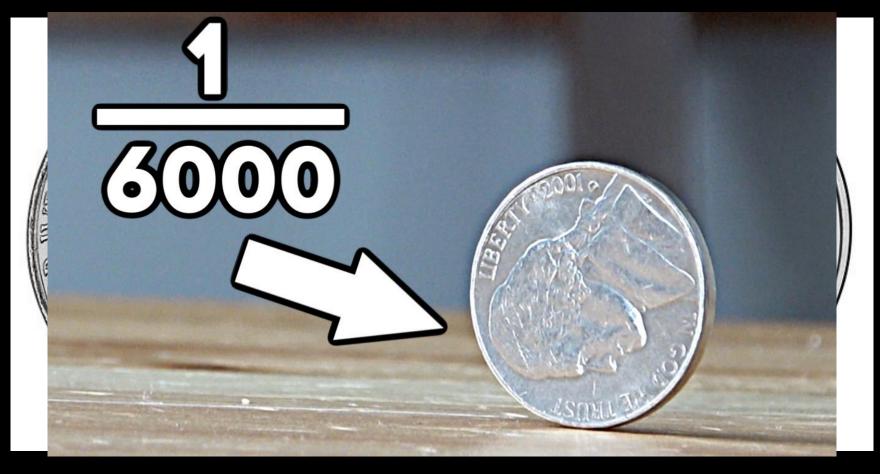
Female: 50.79%

There are only two sexes



Every human can be unambiguously categorized as either male or female

Just because sex may be ambiguous for some does not mean it's somewhat ambiguous (and, as some activists would extrapolate, arbitrary) for all.



Male: 49.19%

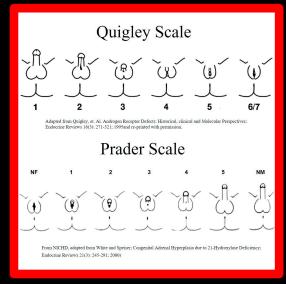
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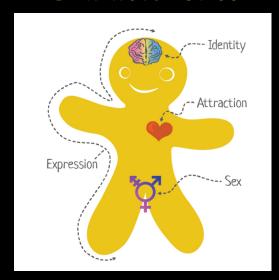
@SwipeWright

Two main arguments

Intersex Conditions

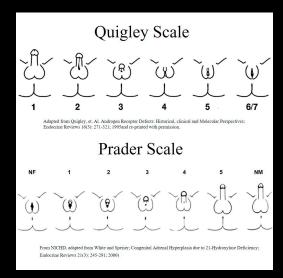


Secondary Sex Characteristics

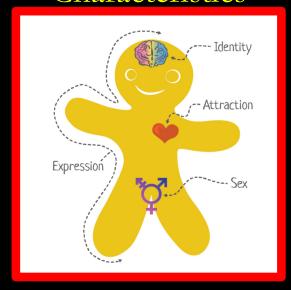


Two main arguments

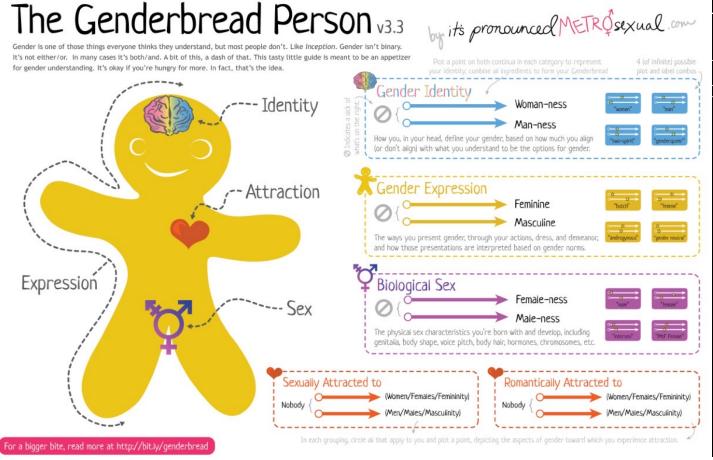
Intersex Conditions



Secondary Sex Characteristics



SECONI distribution and female



ne males ontinuum.



Bikers vs. Cyclists





+



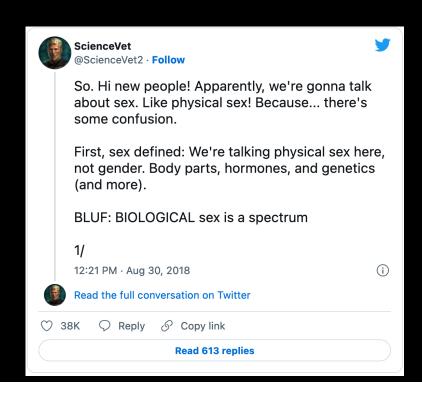


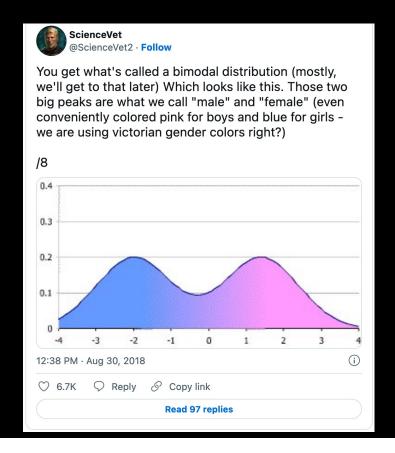


Is Sex 'Bimodal'?

The secondary sex characteristic arguments often give rise to the

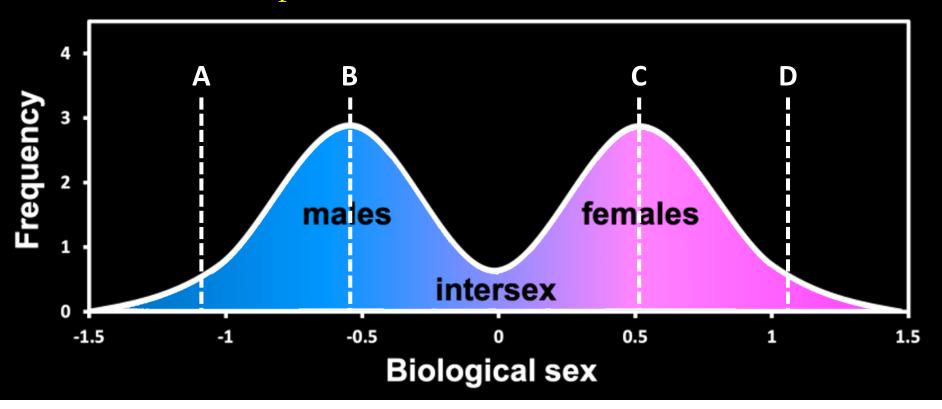
"sex is a bimodal spectrum" claim.



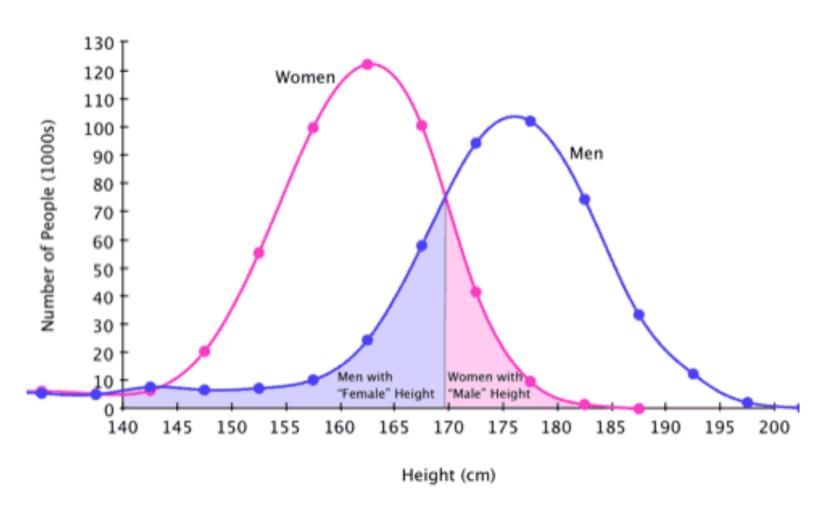


Is Sex 'Bimodal'?

The secondary sex characteristic arguments often give rise to the "sex is a bimodal spectrum" claim.



Is Sex 'Bimodal'?



THE SCIENCES · March/April 1993

THE FIVE SEXES

Why Male and Female Are Not Enough

by ANNE FAUSTO-STERLING

This 1843 LEVI SIYIDAM, a twenty-three-year-old resident of Salishury, Connecticut, saked the town board of selectmen to validate his right to vote as a Whig in a hotly contexted local election. The request raised a flurry of objections from the opposition party, for reasons that must be rare in the annals of American democracy; it was said that Suydam was more female than male and thus foome eighty years before suffrage was extended to women) could not be allowed to cast a ballot. To settle the dispute a physician, one William James Barry, was brought in to examine Suydam. And, presumably upon encountering a phallus, the good doctor declared the prospective voter male. With Suydam safely in their column the Whigs won the election by a majority of one.

Barry's diagnosis, however, turned out to be somewhat premature. Within a few days he discovered that, phallus mowithstanding, Suydam menstruated regularly and had a vaginal opening. Both his/her physique and his/her mental predispositions were more complex than was first suspected. Sich had narrow shoulders and broad hips and felt occasional sexual yearnings for women. Suydam's "feminine propensities, such as a fondness for gay colors, for pieces of calico, comparing and placing them together, and an aversion for bodily labor, and an inability to perform the same, were remarked by many," Barry later worte. It is not clear whether Suydam lost or retained the vote, or whether the election results were reversed.

Western culture is deeply committed to the idea that there are only two sexes. Even language refuses other possibilities; thus to write about Levi Suydam I have had to to the control of the control of



"For biologically speaking, there are many gradations running from female to male; along that spectrum lie at least **five** sexes—perhaps even more."

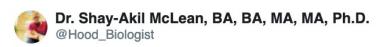
Anne Fausto-Sterling

0 THE SCIENCES • March/April 1993



There Are More Than Two Human Sexes

1.1M views • 2 years ago



Hi, I'm a transgender biologist, specifically an evolutionary geneticist who studies humans.

In humans there are 6 common sex karyotypes: XX, XY, XXY, XXXY, & XYYY. & there are 4 rare sex karyotypes: XO, XO/XX mosaicism, XY/XXY mosaicism, XXY/XXXY/XXXXY mosaicism.

Zach Elliott @zaelefty

The biological sciences overwhelmingly support the claim that there are precisely two sexes (no more, no less) in almost all complex multicellular life.

Here are 40 peer-reviewed journal articles from biologists on the evolution of sex and why there are only two sexes. https://t.co/j02seUldXh

November 30th 2020

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- 1. XX
- 2. XY
- 3. XXX
- 4. XXY
- 5. XYY
- 6. XXXY
- 7. XYYY
- 8. X0
- 9. X0/XX
- 10.XY/XXY
- 11. XXY/XXXY/XXXXY

11 Sexes!?



Dr. Shay-Akil McLean, BA, BA, MA, MA, Ph.D. @Hood_Biologist

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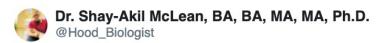
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What Is a Woman?

- ADULT: An organism that has reached sexual maturity.
- HUMAN: A member of the species *Homo sapiens*.
- **FEMALE**: An individual whose reproductive anatomy is organized around, through development, the production of large gametes.

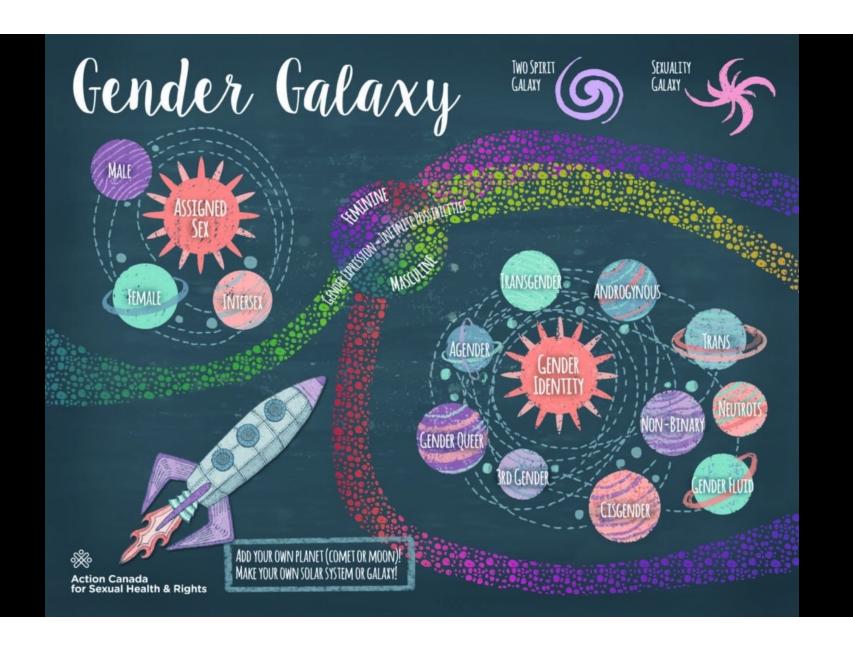
Why Does This Matter?

- Public trust in science
- Sex matters in some contexts
 - Women's sports
 - Women's protected spaces
- Confusing and harming children

Why Does This Matter?

Truth matters!

Part 2: Gender Basics



- 1. Synonym for sex
- 2. Sex differences in behavior
- 3. Sex-related social roles and expectations

- 1. Synonym for sex
- 2. Sex differences in behavior
- 3. Sex-related social roles and expectations



AMERICAN PSYCHOLOGICAL ASSOCIATION

▼ What is the difference between sex and gender?

Sex is assigned at birth, refers to one's biological status as either male or female, and is associated primarily with physical attributes such as chromosomes, hormone prevalence, and external and internal anatomy. Gender refers to the socially constructed roles, behaviors, activities, and attributes that a given society considers appropriate for boys and men or girls and women. These influence the ways that people act, interact, and feel about themselves. While aspects of biological sex are similar across different cultures, aspects of gender may differ.

Planned Parenthood®

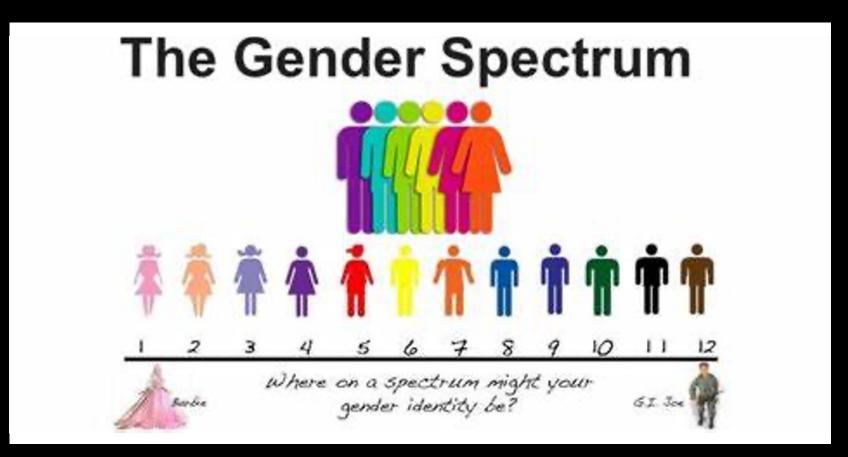
Gender is much more complex: It's a social and legal status, and set of
expectations from society, about behaviors, characteristics, and
thoughts. Each culture has standards about the way that people
should behave based on their gender. This is also generally male or
female. But instead of being about body parts, it's more about how
you're expected to act, because of your sex.

The Gender Binary



Gender Binary The idea that gender is strictly an either/or option of male/men/masculine or female/woman/feminine based on sex assigned at birth, rather than a continuum or spectrum of gender identities and expressions. The gender binary is often considered to be limiting and problematic for all people, and especially for those who do not fit neatly into either/or categories.

The Gender Spectrum



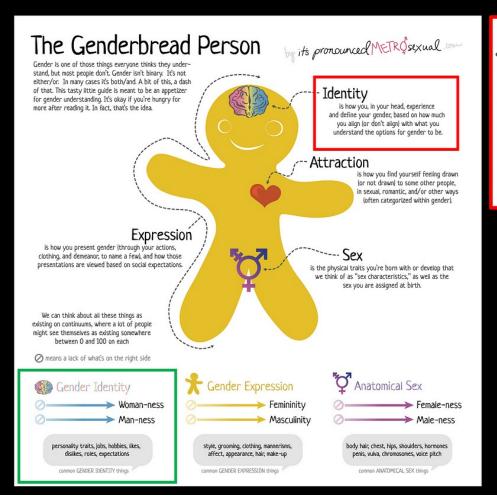
Transgender



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Transgender is an umbrella term for persons whose gender identity, gender expression or behavior does not conform to that typically associated with the sex to which they were assigned at birth. Gender identity refers to a person's internal sense of being male, female or something else; gender expression refers to the way a person communicates gender identity to others through behavior, clothing, hairstyles, voice or body characteristics. "Trans" is sometimes used as shorthand for "transgender." While transgender is generally a good term to use, not everyone whose appearance or behavior is gender-nonconforming will identify as a transgender person. The ways that transgender people are talked about in popular culture, academia and science are constantly changing, particularly as individuals' awareness, knowledge and openness about transgender people and their experiences grow.

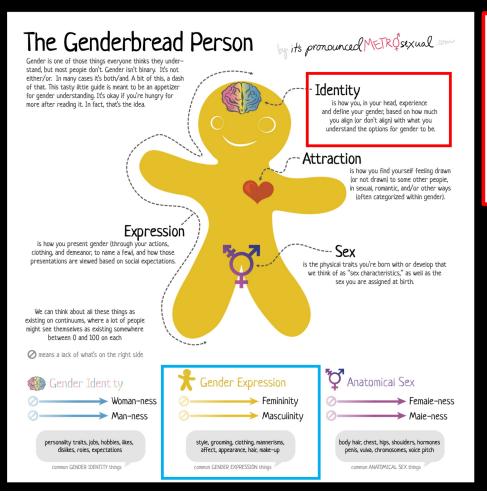
The Genderbread Person



Identity

is how you, in your head, experience and define your gender, based on how much you align (or don't align) with what you understand the options for gender to be.

The Genderbread Person

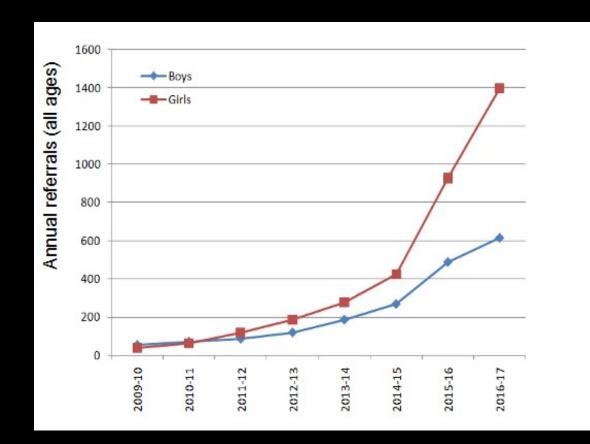


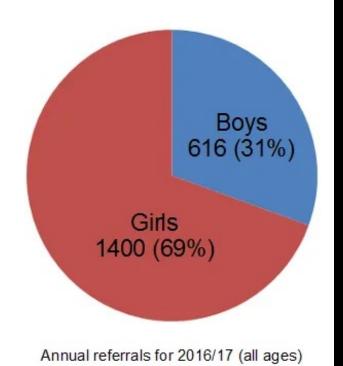
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Overview

- 1. What it means to be a boy and girl is now rooted in identity, expression, or behavior instead of biology.
- 2. These identities, expressions, and behaviors are based on sex-related stereotypes of masculinity and femininity.
- 3. Masculine girls and feminine boys are considered transgender, by definition.
- 4. This is being medicalized.





Harms

- 1. Medicalization of common gender nonconformity
- 2. Harms to gay and lesbian community
- 3. Conflicting with sex-based rights
- 4. Sexist and regressive
- 5. Rooted in pseudoscience

THE END

Questions?