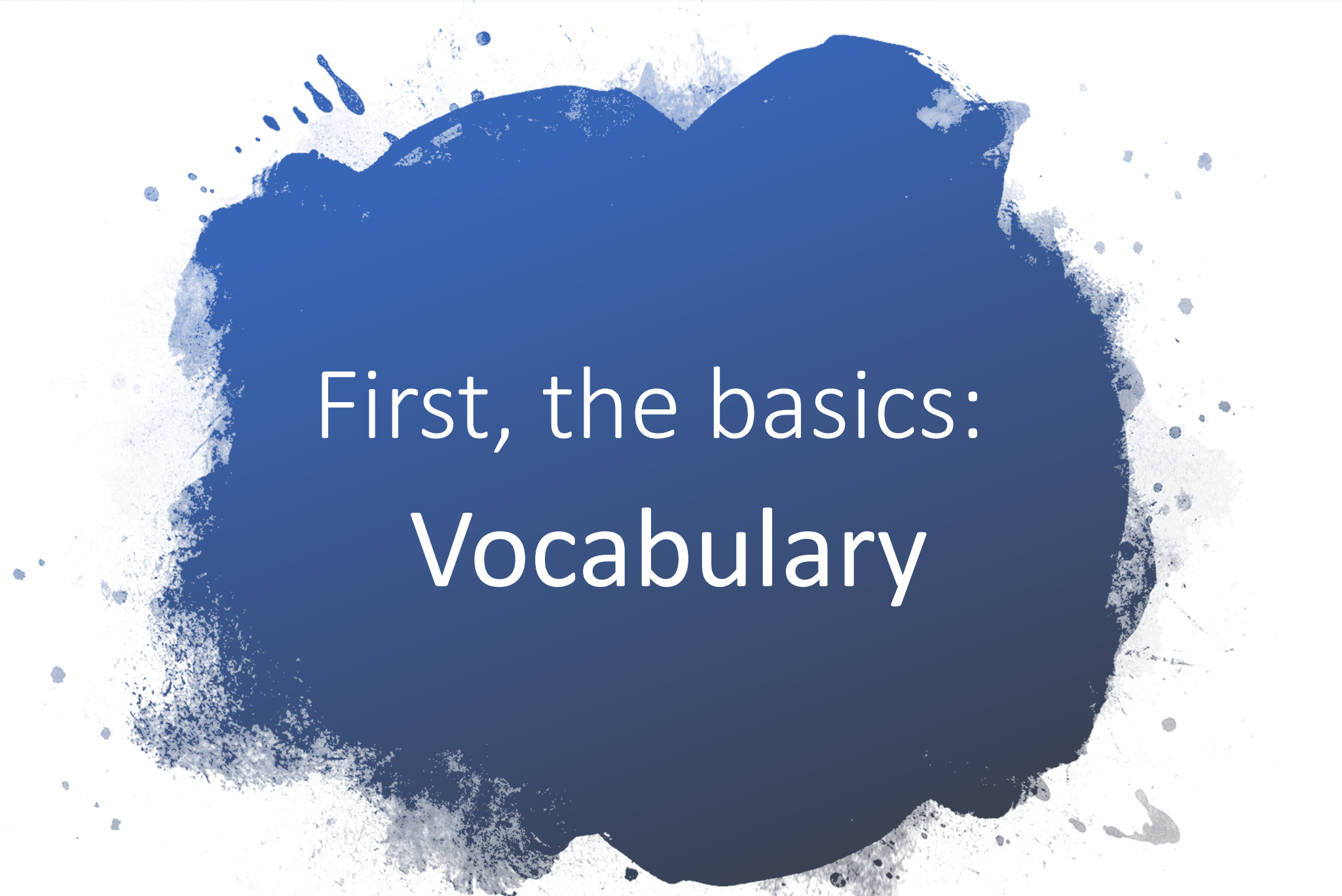




Gender Diversity: The intersection of transgender and intersex identities.

Washington Diversity, Equity, & Inclusion Summit, 2020



First, the basics:
Vocabulary

Transgender: an umbrella term

Gender Identity:

- Cisgender
- Transsexual
- Non-binary (identifies beyond gender binary)

Gender Expression:

- Drag Kings & Queens
- Cross dressers
- Non-binary (presents in non-stereotypical ways)



Helping media professionals write with accuracy and authority

FTM / MTF / FTN / MTN / FT* / MT*

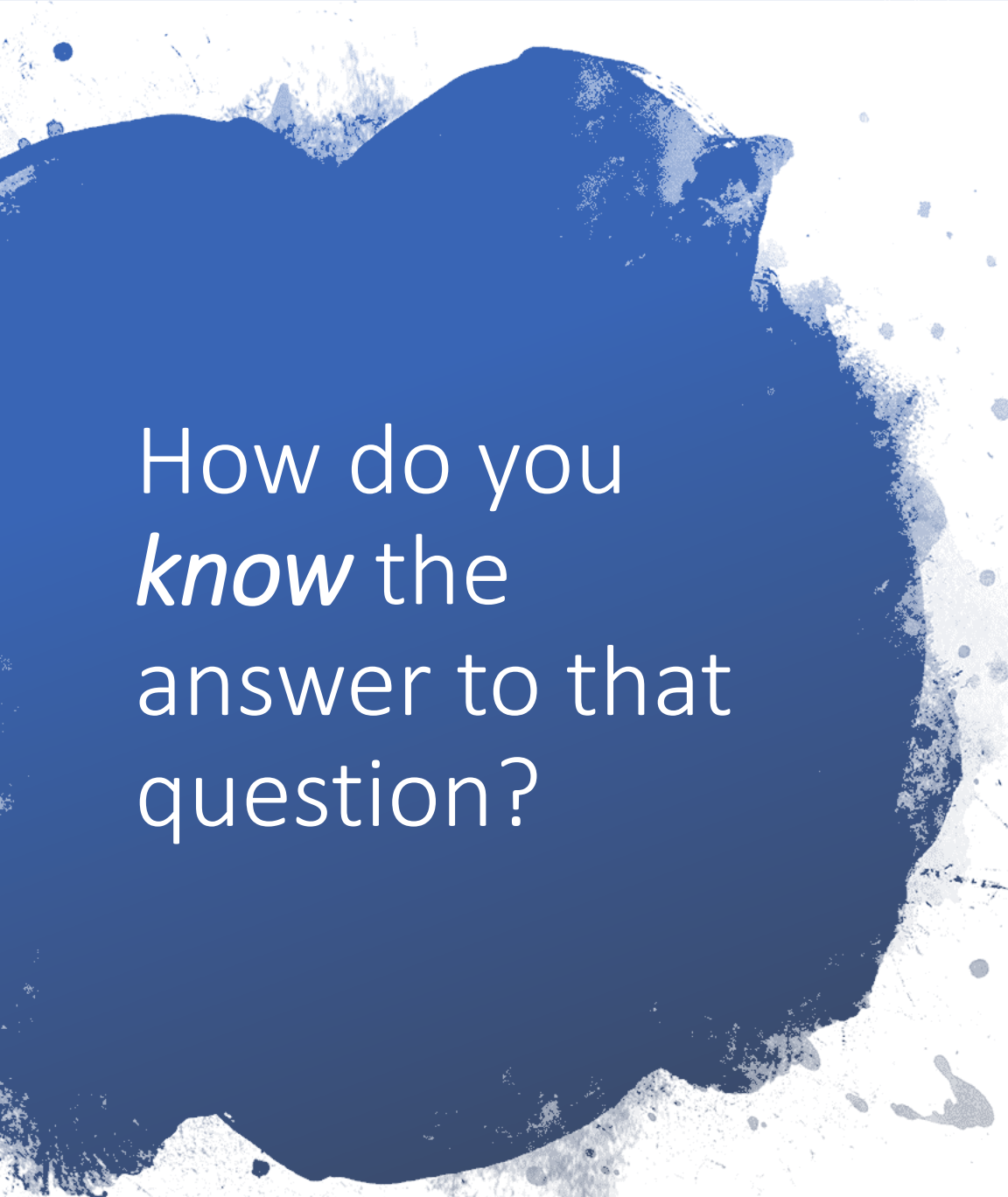
Acronyms to describe a transgender or transsexual individual. The first letter is the assigned birth sex; the second letter T is for “to,” signifying transition; and the third letter is the destination gender, the person’s affirmed gender. The * indicates inclusivity of all variations of trans people, as not all identify with a particular gender.

Common Sense

What if what we believe is true
is only true because of what
we believe?



But....
Isn't everybody
born *either* male
or female?



How do you
know the
answer to that
question?

- It's common sense (everybody knows it, so it must be true).
- It's (high school) Biology
- I've read books or articles about it
- The Bible says so.
- I know someone who is transgender.
- Peer-reviewed research



What we didn't learn in school:

- **Two-Spirit people in North America.** Depelteau, J., & Giroux, D. (2015). LGBTQ issues as indigenous politics: Two-spirit mobilization in Canada. *Queer mobilizations: Social movement activism and Canadian public policy*, 64-94.
- **Hijra in India.** Agrawal, A. (1997). Gendered bodies: the case of the third gender in india. *Contributions to Indian Sociology*, 31(2), 273-297.
- **Sistergirls in Australia.** Riggs, D. W., & Toone, K. (2017). Indigenous Sistergirls' Experiences of Family and Community. *Australian Social Work*, 70(2), 229-240.
- **SOGI diversity was common in pre-colonial Africa** van den Heever, L (2015). Sexual diversity in Africa: an argument for the inclusion of sexual minorities in African development policy. *AIDS Accountability International* 7, 1-32 (20-23).

What we didn't learn in school:

- **Elagabalus (trans woman)**

...[T]he emperor “*delighted to be called the mistress, the wife, the queen of Hierocles.*” He also describes how Elagabalus offered money to any physician who could give him female genitalia...reigned from 218 until 222 AD

- **Chevalier D’Eon (trans woman)**

A French spy who passed as female and entered the Russian Court, later served as a diplomat to England (1728-1810)

- **Alan Hart (trans man)**

Md., with a career in medical research, pioneering the use of X-ray in the treatment of TB, as well as a successful second career writing novels. (1890-1962)

<https://historycollection.co/11-remarkable-transgender-people-history/11/>

- **Albert Cashier (trans man)**

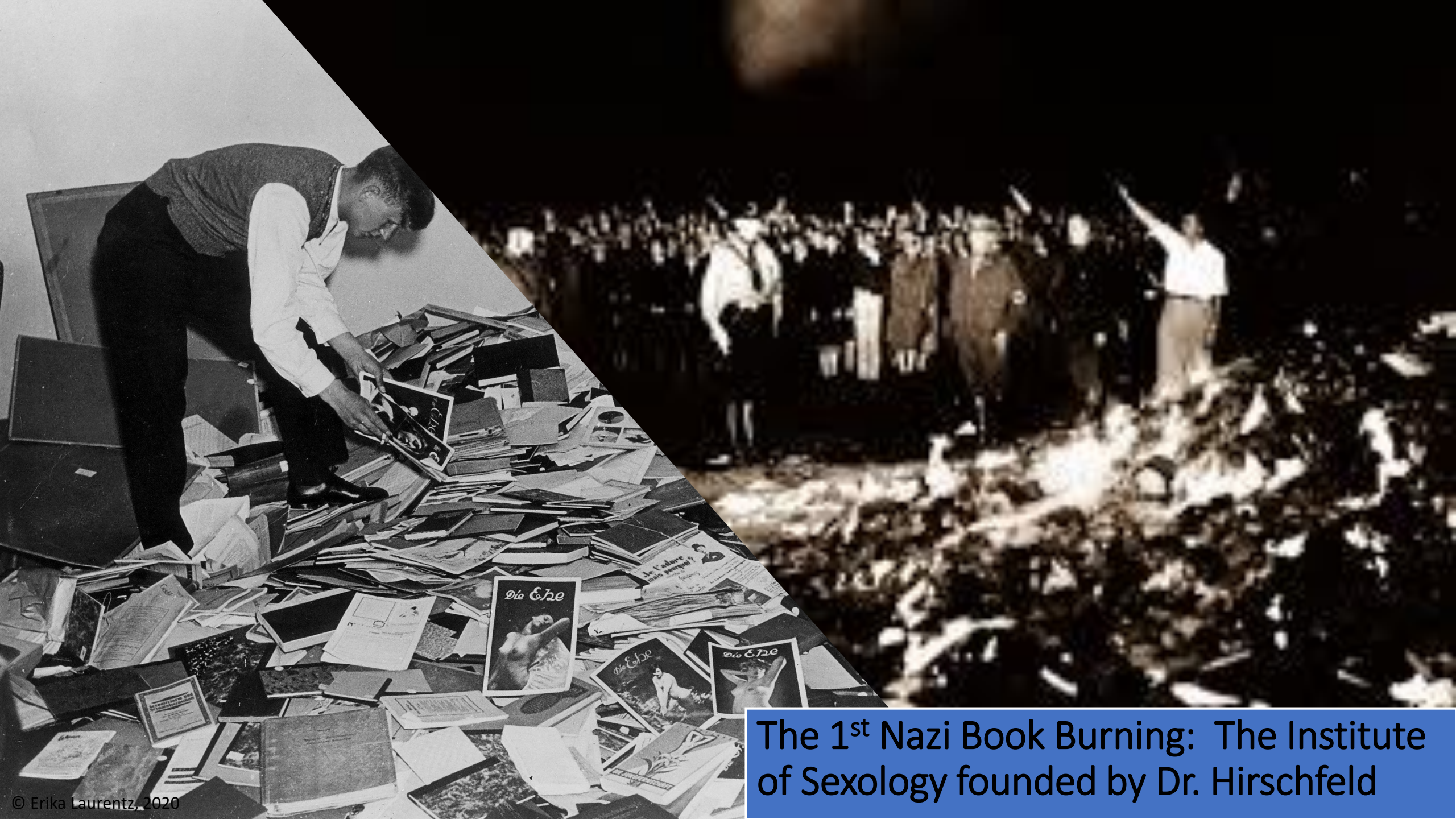
During the Civil War, Cashier fought in approximately 40 battles, and once singlehandedly overpowered a prison guard in order to escape back to his division after being captured. (1843-1915)

<https://www.ranker.com/list/transgender-people-in-history/devon-ashby>

How Medieval Surgeons Shaped Sex and Gender

[T]he Aristotelian model, which **became popular in thirteenth-century** Europe, viewed “male” and “female” as discrete categories. That meant that genitals that weren’t easily identified as male or female were “mistakes of nature” that surgeons were justified in trying to correct.






The 1st Nazi Book Burning: The Institute of Sexology founded by Dr. Hirschfeld

High School Biology


X and Y chromosomes make us
male or female, don't they?



What causes
gender
identity?

Sexual differentiation in
the brain is the result of
fetal exposure to sex
hormones.

Auyeung, B., Baron-Cohen, S., Ashwin, E., Knickmeyer, R., Taylor, K., Hackett, G., & Hines, M. (2009, February). Fetal testosterone predicts sexually differentiated childhood behavior in girls and in boys. *Psychological Science*, 20(2), 144-148. doi:10.1111/j.1467-9280.2009.02279.x



How can Gender
Identity differ
from Sex
Assigned at
Birth?


“It has long been demonstrated in animal research that **the sexual differentiation of the brain can be modified *independently* of the sexual differentiation of the reproductive tract.**”

(466)

Meyer-Bahlburg, H. F. (2009, October 23). From Mental Disorder to Iatrogenic Hypogonadism: Dilemmas in Conceptualizing Gender Identity Variants as Psychiatric Conditions. *Archive of Sex Behavior*, 39, 461–476. DOI 10.1007/s10508-009-9532-4

Just because you
can't see
something with
the naked eye....






What causes
gender
identity?

Male and female brains
show multiple structural
differences when
observed through the
range of scientific
imaging tools


Ingahalikar, M., Smith, A., Parker, D., Satterthwaite, T. D., Elliott, M. A., Ruparel, K., ... Verma, R. (2014, January). Sex differences in the structural connectome of the human brain. *PNAS*, *111*(2), 823–828. Retrieved from <http://www.pnas.org/content/111/2/823.full.pdf>



What causes
gender
identity?

There are numerous **grey matter** structural brain similarities in transgender brains and the cis gender brains who share the same identified gender, but not with the brains of their assigned sex.


Simon, L., Kozák, L., Simon, V., Czobor, P., Unoka, Z., Szabo, A., & Csukly, G. (2013, December). Regional grey matter structure differences between transsexuals and healthy controls—a voxel based morphometry study. *PLoS ONE*, 8(12), 1-10. Retrieved from <https://eds-b-ebshost-com.libproxy.chapman.edu/ehost/detail/detail?vid=28&sid=07fd845a-b28c-457e-9310-133a205f6f6d%40sessionmgr115&hid=103&bdata=JkF1dGhUeXBIPWlwLHVpZCxb29raWUdXJsJnNpdGU9ZWwhvc3QtbGl2ZQ%3d%3d#db=aph&AN=93397782>



What causes
gender
identity?

[S]tructural differences in the **white matter** of Female-to-Male (FtM) trans brains appear to be nearly identical with cis gender males, while the same structures in Male-to-Female (MtF) trans brains was typically about $\frac{1}{2}$ way between cis male and cis female brains. **These differences appeared early enough to predict transgender identity before puberty.**


Hamzelou, J. (2011, January). Transsexual differences caught on brain scan. *New Scientist*, 12(16). Retrieved 18 from <http://www.newscientist.com/article/dn20032-transsexual-differences-caught-on-brain-scan.html#.VSGd8VyFHBe>



What causes
gender
identity?

Researches at UCLA
have also identified
numerous structural
differences in the brains
of transgender people

[file://localhost/\(http://www.medicaldaily.com/brain-mapping-gender-identity-what-makes-boy-girl-247122\)](http://www.medicaldaily.com/brain-mapping-gender-identity-what-makes-boy-girl-247122)



What causes
gender
identity?

MtF brains have the same neuronal structures as female brains, **regardless of hormone exposure** in the MtF population, while neuronal structures in FtM brains match those in male brains.

Kruijver, F. P., Zhou, J., Pool, C. W., Hofman, M. A., Gooren, L. J., & Swaab, D. F. (2000). Male-to-Female transsexuals have female neuron numbers in a limbic nucleus. *The Journal of Clinical Endocrinology & Metabolism*, 85(5), 2034-2041. Retrieved from <http://press.endocrine.org/doi/pdf/10.1210/jcem.85.5.6564>



Can it be Genetic?


Sometimes/But Not Always



Sometimes, it's
environmental:

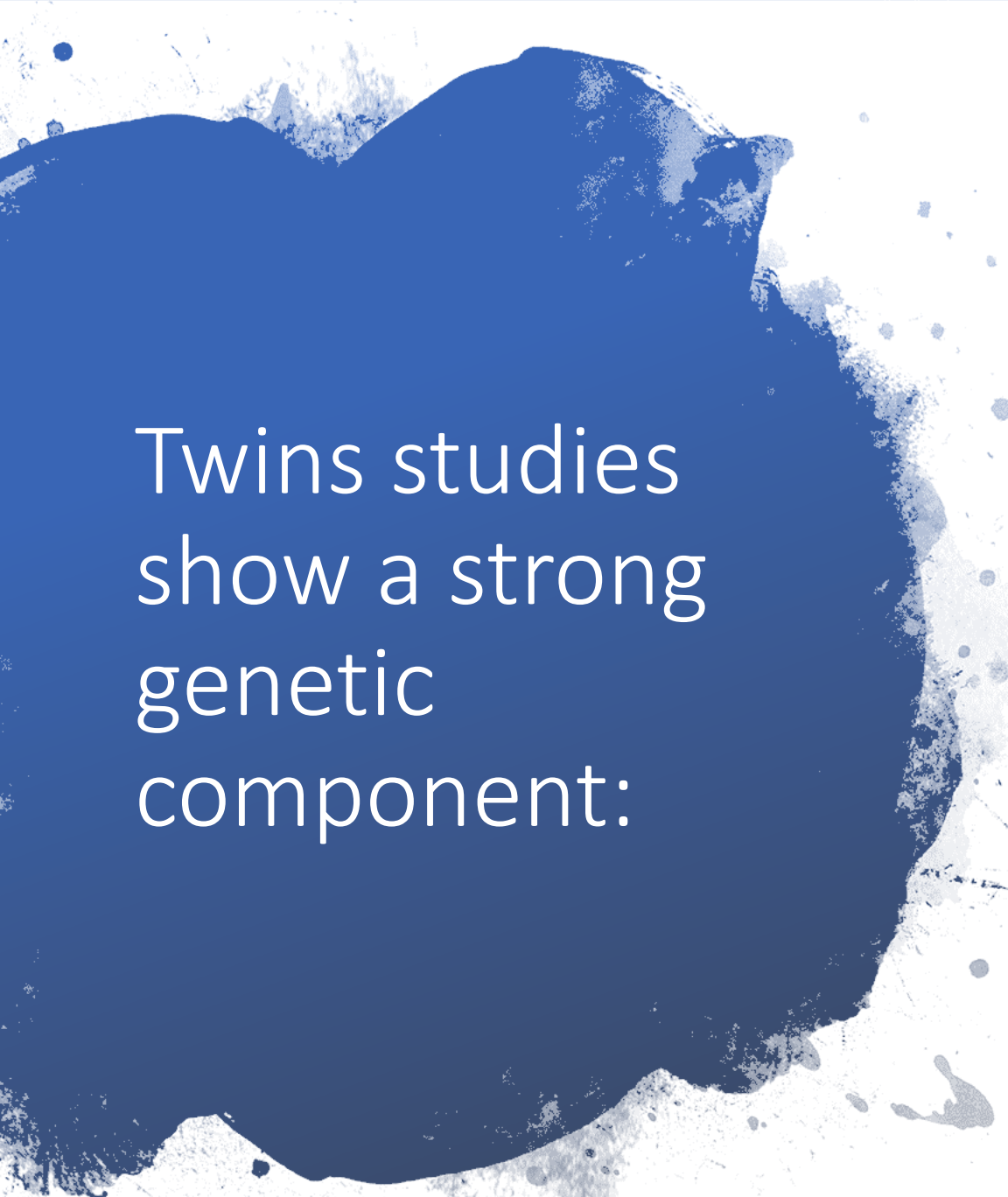
“...a 5-year online study of **DES-exposed sons** by Kerlin et al., reported at least 150 cases of moderate-to severe gender dysphoria among 500 sons with confirmed or suspected prenatal DES exposure” (p. 203).

Saraswat, A., Weinand, J., & Safer, J. (2015, February). Evidence Supporting the Biologic Nature of Gender Identity. *Endocrine Practice*, 21(2), 199-204. doi: 10.4158/EP14351.RA



Sex hormone levels are controlled through multiple channels:


- **More than 25 genes that affect sex development** have now been identified and they have a wide range of variations that affect people in subtle ways.



Twins studies
show a strong
genetic
component:

“In 2 separate retrospective studies of twin pairs, Bailey et al. and Coolidge et al. demonstrated a **strong heritable component among twins with transgender identity**” (p. 202). [Of 500 twins where one was trans, 150 were both trans.]

Saraswat, A., Weinand, J., & Safer, J. (2015, February). Evidence Supporting the Biologic Nature of Gender Identity. *Endocrine Practice*, 21(2), 199-204. doi: 10.4158/EP14351.RA



Other genetic studies have similar findings:

Heritability estimates are consistent with other behavioral and personality traits, which generally fall in the range of 30–60%.

Polderman TJ, Benyamin B, de Leeuw CA, Sullivan PF, van Bochoven A, Visscher PM, Posthuma D (2015) Meta-analysis of the heritability of human traits based on fifty years of twin studies. *Nat Genet* 47(7):702–709




Receptor site dysfunction

- Complete variety (*cAIS*)
- Partial type (*pAIS*)

<http://hawaii.edu/PCSS/biblio/articles/2010to2014/2010-intersexuality.html>

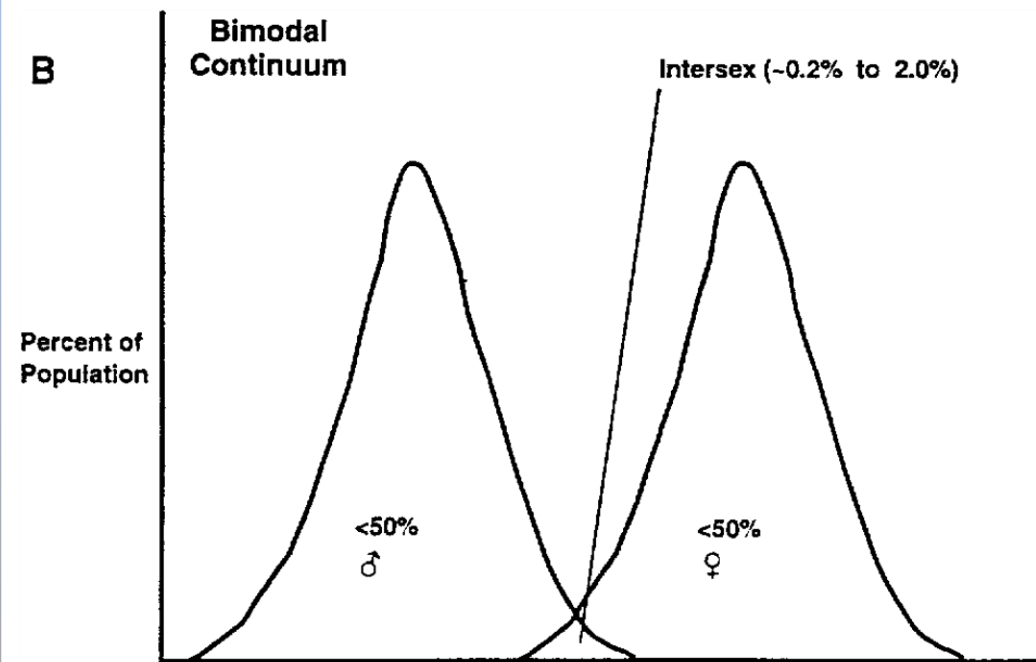
- Androgen receptor sites genetically blocked

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4810760/>




In addition to
XX/XY, some
people are:

- X
- XXX
- XXY
- XXXY
- XXYY
- XYY
- XYYY
- XXXYY
- XXXX
- XXXXX
- XXXYY



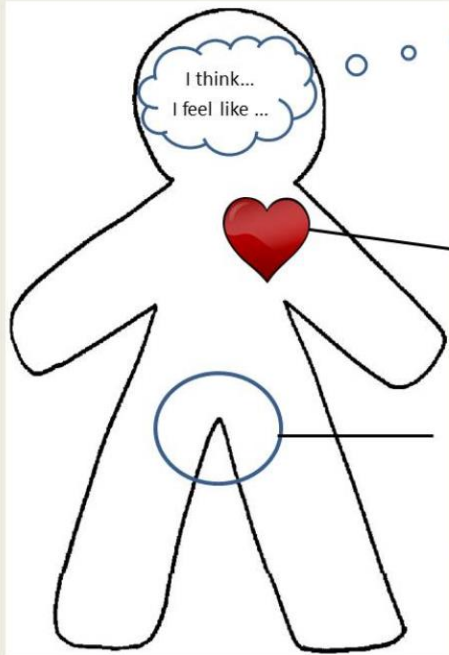
Distribution of sex characteristics across populations



What causes
gender
identity?

7.8% of children
diagnosed with
Gender Dysphoria
were also diagnosed
as Autism Spectrum
Disorder.

<http://link.springer.com/article/10.1007/s10803-010-0935-9> - page-1



Gender Identity

Girl/Woman
Boy/Man
Transgender/gender non-conforming

Sexual Orientation

Heterosexual – Homosexual
[straight, lesbian, gay, bisexual,
queer, asexual]

Biological Sex

Female -- Male -- Intersex

Gender Presentation

– how we present ourselves to others:
Feminine -- Masculine -- Androgynous

Sexual Orientation and Gender Identity are not linked: gay men and lesbians exist.

“Biological sex” rests on the assumption that genitals create gender identity.

The Early Assumptions were all wrong:

- Being transgender isn't a learned behavior
- It's not about mom
- It's not caused by abuse
- We aren't confused or delusional



Early ideas:

Feminist theory:

... Gender is socially constructed rather than biologically given (de Beauvoir 1952, West and Zimmerman 1987, Lorber 2003, Barker 2008).

Lorber, Judith. (2018). The Social Construction of Gender. 10.4324/9780429494468-36.

Behaviorism:

Skinner argued that all human activity is determined by, and is the product of, the environment.

<https://www.qualityresearchinternational.com/socialresearch/behaviourism.htm>

David Reimer 1965-2004



Why 2004 is when we
began to ask the right
questions

Childhood Abuse Statistics

Childhood Sexual Abuse:


- 18% non-LGBT children
- 35.5% LGBT children (p. 1436)
- “Transgender people in particular were at high risk for being victims of violence.” (p. 1428)

Balsam, K. F., Lehavot, K., Beadnell, B., & Circo, E. (2010). Childhood Abuse and Mental Health Indicators Among Ethnically Diverse Lesbian, Gay, and Bisexual Adults. *Journal of Consulting and Clinical Psychology, 78*(4), 459–468

Childhood abuse: trans

- 31.6-47.6% rates of sexual abuse
- 52.6% emotional abuse-male identified
- 45.5% emotional abuse-female identified
- 46.7% physical abuse-male identified
- 43.6% physical abuse-female identified


Schneeberger, A. R., Dietl, M. F., Muenzenmaier, K. H., Huber, C. G., & Lang, U. E. (2014, March 14). Stressful childhood experiences and health outcomes in sexual minority populations: a systematic review. *Social Psychiatry and Psychiatric Epidemiology, 49*, 1427–1445. doi: 10.1007/s00127-014-0854-8



Myth: Most
kids outgrow
being trans...

“There is almost no difference between these trans and cisgender kids of the same gender identity — both in how, and the extent to which, they identify with their gender or express that gender.”

Gülgöz, S., Glazier, J. J., Enright, E. A., Alonso, D. J., Durwood, L. J., Fast, A. A., ... Olson, K. R. (2019). Similarity in transgender and cisgender children's gender development. *Proceedings of the National Academy of Sciences*, *116*(49), 24480–24485.
<https://doi.org/10.1073/pnas.1909367116>



Myth: Trans
people are
predators

Researchers at the Williams Institute, at the UCLA School of Law, examined restroom crime reports in Massachusetts cities of similar size and comparable demographics and found **no increase in crime** and **no difference** between cities that had adopted transgender policies and those that had not.

<https://williamsinstitute.law.ucla.edu/press/in-the-news/study-finds-no-link-between-transgender-rights-law-and-bathroom-crimes/>



Myth: Trans athletes have an unfair advantage

- Notice that they never refer to trans women as women
- Notice that they never talk about trans male athletes
- Notice that they don't talk about the 1-2 year requirement to be on hormone therapy
- Notice that they never talk about trans women coming in 2nd or 3rd place
- Notice the source of these articles (they're frequently written by anti-LGBTQI organizations)

<https://www.outsports.com/2019/12/3/20993190/inclusion-sports-transgender-athletes-propaganda-mosier-patricio-telfer>

Trans People are not mentally ill

- Trans people were first pathologized by the World Health Organization through the ICD-9 in 1975 World Health Organization (WHO) (1975) *International Statistical Classification of Diseases and Related Problems 9th Revision (ICD-9)*
- Gender identity disorders have been renamed as “gender incongruence” in the ICD-11 and moved from the mental disorders chapter to the new sexual health chapter 26, meaning that a transgender identity is no longer to be considered a mental disorder. [2019] Reed, Geoffrey & First, Michael & Kogan, Cary & Hyman, Steven & Gureje, Oye & Gaebel, Wolfgang & Maj, Mario & Stein, Dan & Maercker, Andreas & Tyrer, Peter & Claudino, Angélica & Garralda, Elena & Salvador-Carulla, Luis & Ray, Rajat & Saunders, John & Dua, Tarun & Medina-Mora, María & Pike, Kathleen & Saxena, Shekhar. (2019). Innovations and changes in the ICD-11 classification of mental, behavioral and neurodevelopmental disorders. *World Psychiatry*. 18. 3-19. 10.1002/wps.20611.



Religion as Authority

The Bible is more supportive than you may think...

What the Old Testament says:

Isaiah 56:4-5 21st Century King James Version (KJ21)

- ⁴ For thus saith the Lord: “Unto the eunuchs that keep My Sabbaths, and choose the things that please Me, and take hold of My covenant,
- ⁵ even unto them will I give in Mine house and within My walls a place and a name better than of sons and of daughters; I will give them an everlasting name that shall not be cut off.

What the New Testament says

Matthew 19:12 21st Century King James Version (KJ21)

- ¹² For there are some eunuchs who were so born from their mother's womb, and there are some eunuchs who were made eunuchs by men, and there are eunuchs who have made themselves eunuchs for the Kingdom of Heaven's sake. He that is able to receive it, let him receive it."

But what about?

Genesis 1:27 21st Century King James Version (KJ21)

²⁷ So God created man in His own image, in the image of God created He him; male and female created He them.

Genesis 1:1 21st Century King James Version (KJ21)

¹ In the beginning God created the heaven and the earth.



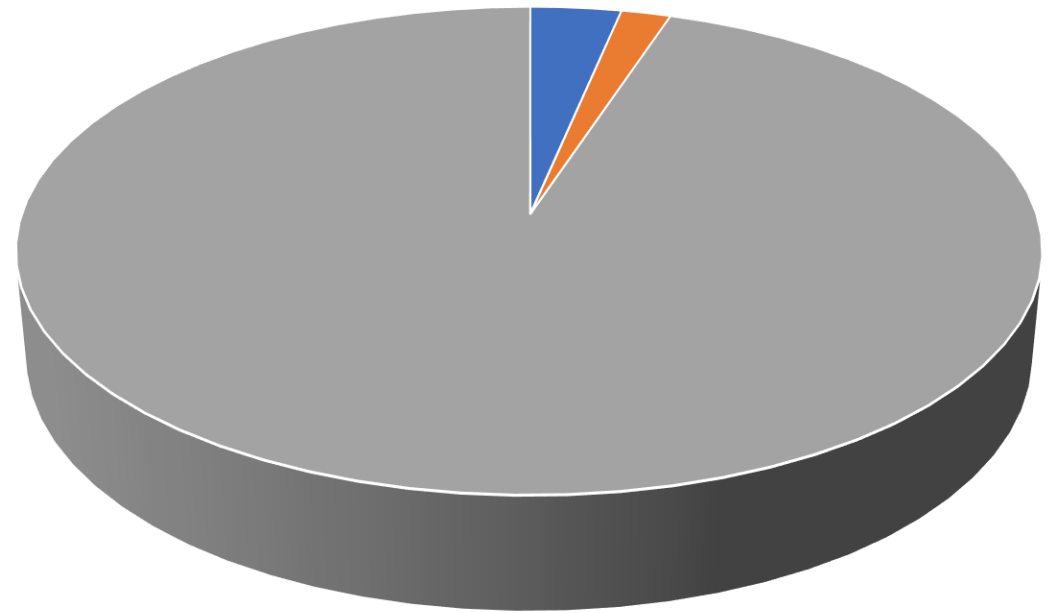
Research Relating to Employment...

Findings: 2009, National Survey

- ***Double the rate of unemployment:*** Survey respondents experience unemployment at twice the rate of the population on as a whole.
- ***Near universal harassment on the job:*** Ninety-seven percent (97%) of those surveyed reported experiencing harassment or mistreatment on the job.

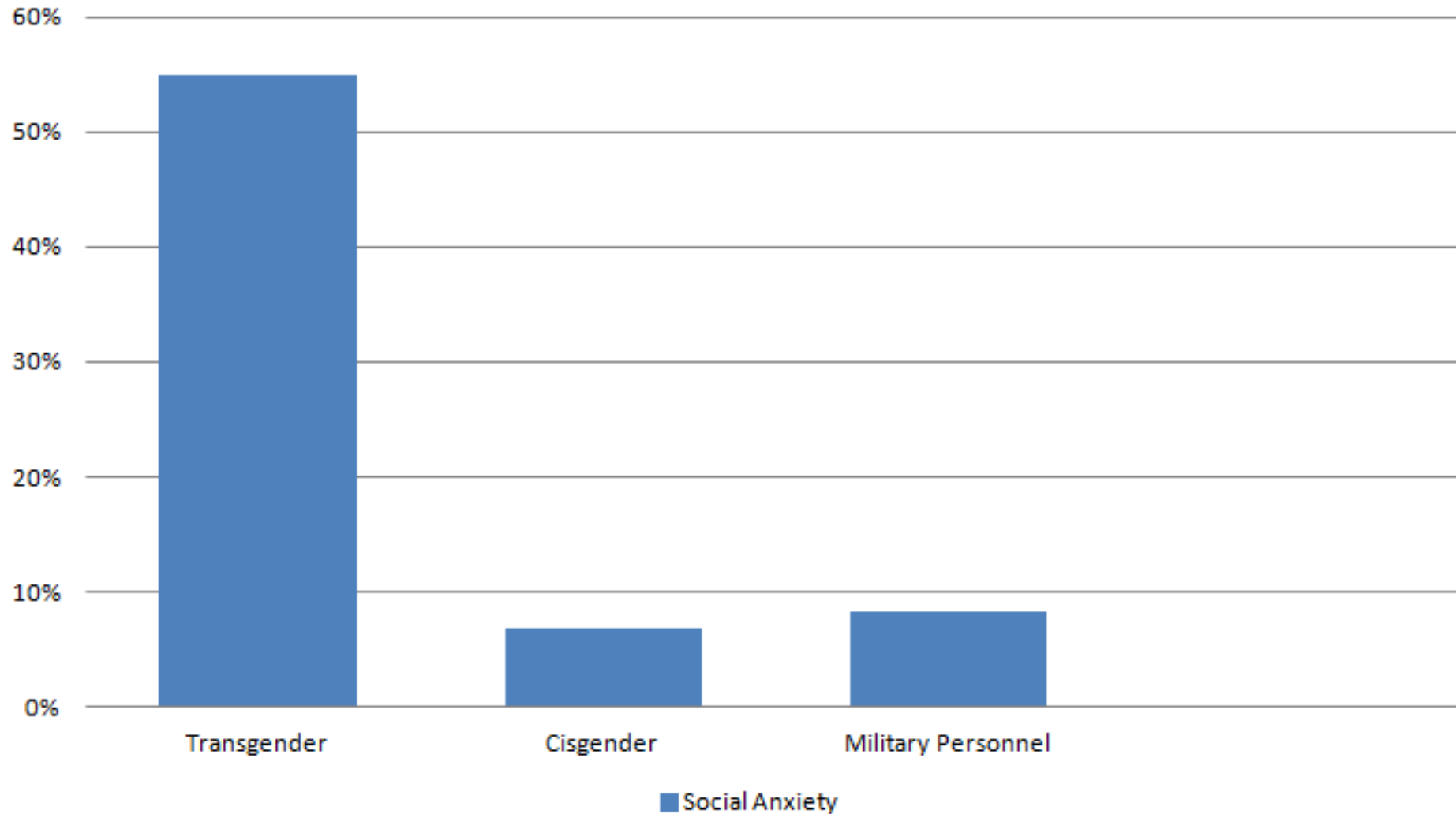
The percentage of people willing to date a trans person:

2018 Survey
3.3% of Cis, Hetero Men
1.9% Cis, Hetero Women

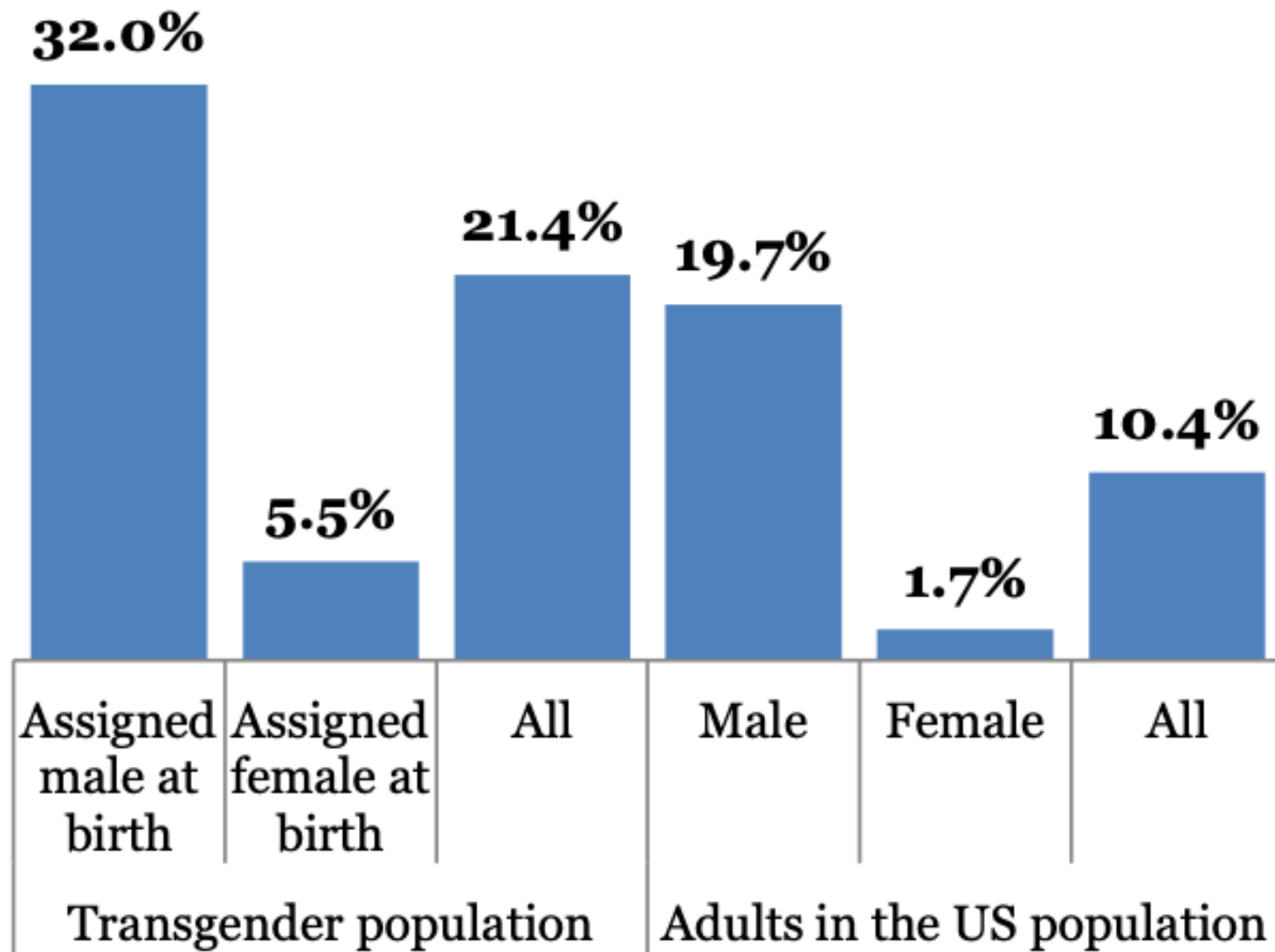


■ Cis Men ■ Cis Women

Social Anxiety

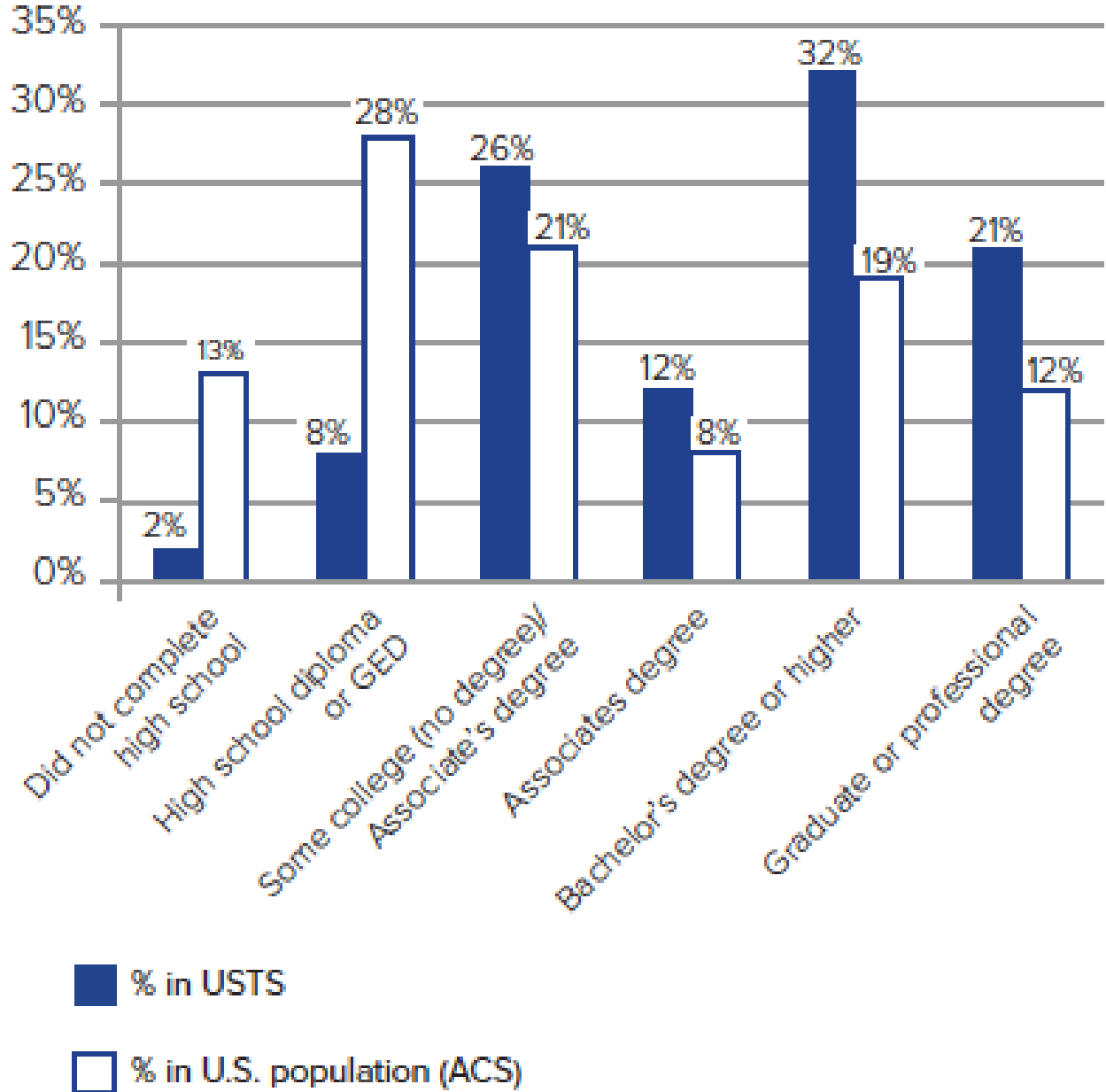


https://www.transadvocate.com/extreme-pressures-faced-by-trans-people_n_8452.htm



<https://williamsinstitute.law.ucla.edu/wp-content/uploads/Transgender-Military-Service-May-2014.pdf>

Figure 4.25: Educational attainment (ACS categories), age 25 and older



James, S. E., Herman, J. L., Rankin, S., Keisling, M., Mottet, L., & Anafi, M. (2016). *The Report of the 2015 U.S. Transgender Survey*. Retrieved from National Center for Transgender Equality: <http://www.ustranssurvey.org/report>

The Poorest Among Us: 1 In 4 LGBT Southerners Live In Poverty

A new study reveals members of the LGBT community in a majority of states experience higher rates of poverty than their straight, cisgender neighbors. Dec 30, 2019, 03:00pm.

<https://www.forbes.com/sites/dawnstaceyennis/2020/12/30/the-poorest-among-us-1-in-4-lgbt-southerners-live-in-poverty/- 53c1e6cd3f3d>

From **worst** to **best**, rank states for equality in transgender poverty levels.

Where do you think most trans people live?

Delaware

Georgia

Iowa

Washington

The percentage of trans people, by state:

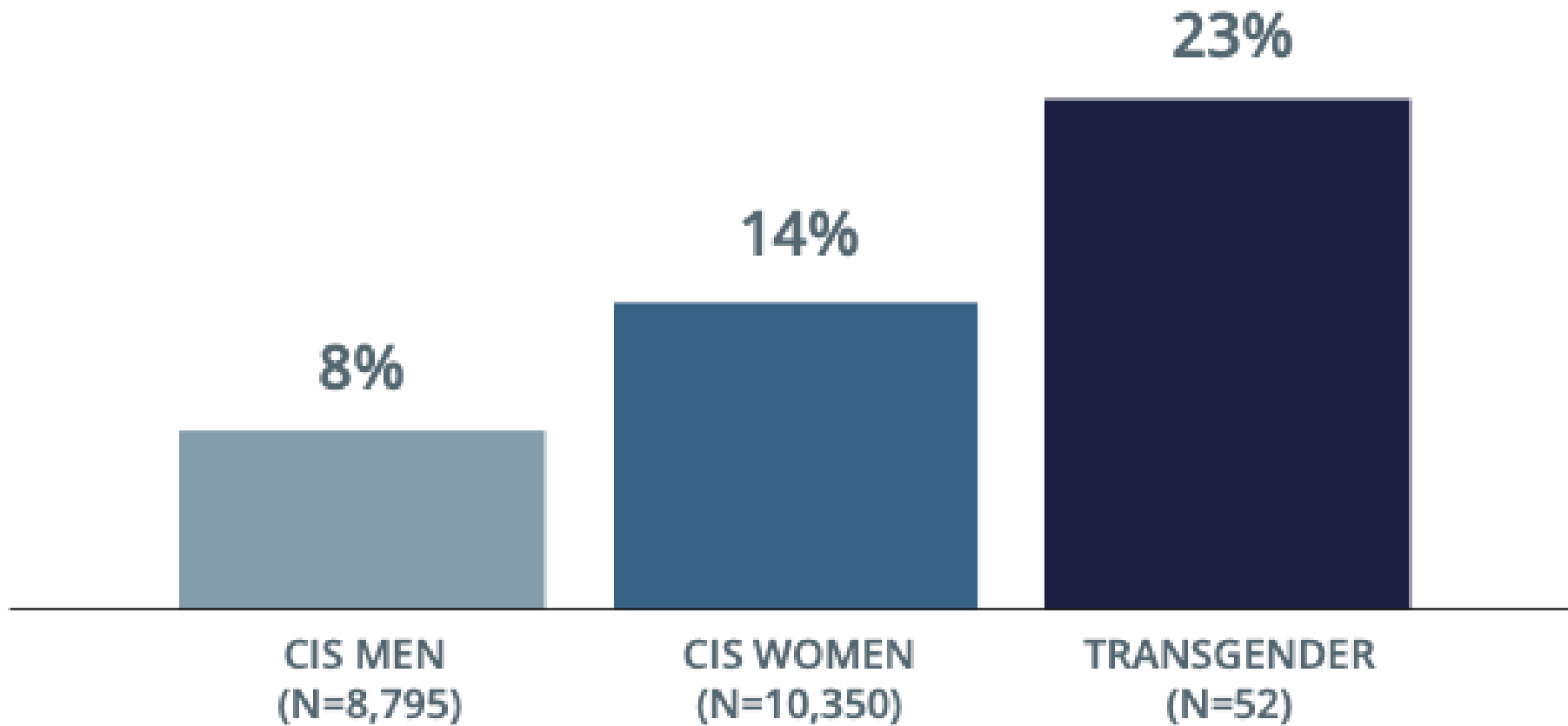
Delaware 0.64%

Georgia 0.75%

Iowa 0.31%

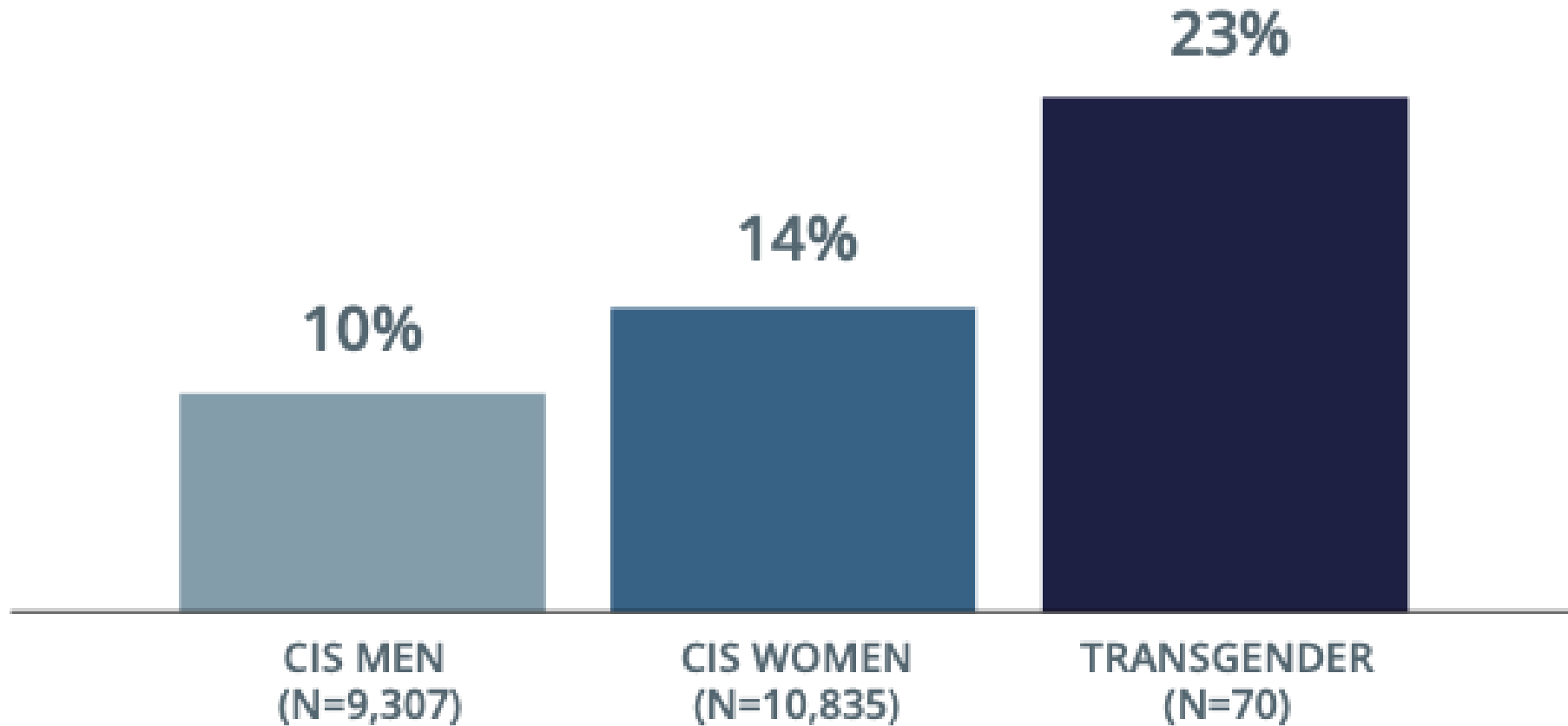
Washington 0.62%

Figure 10. Poverty rates in Iowa by gender identity



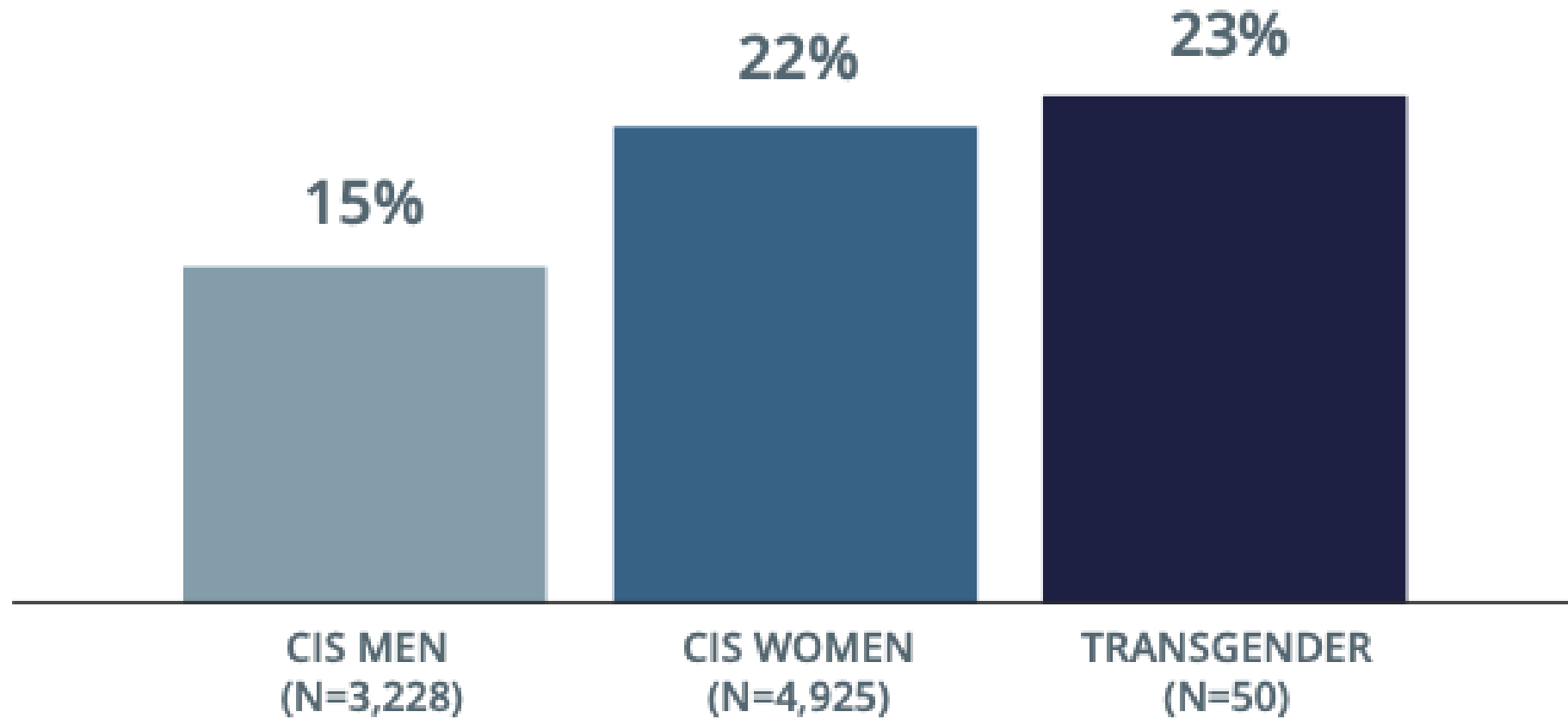
24% of LGBT adults in the South live in poverty. (2019, December 12). Retrieved from <https://williamsinstitute.law.ucla.edu/press/state-lgbt-poverty-press-release/>.

Figure 110. Poverty rates in Washington by gender identity



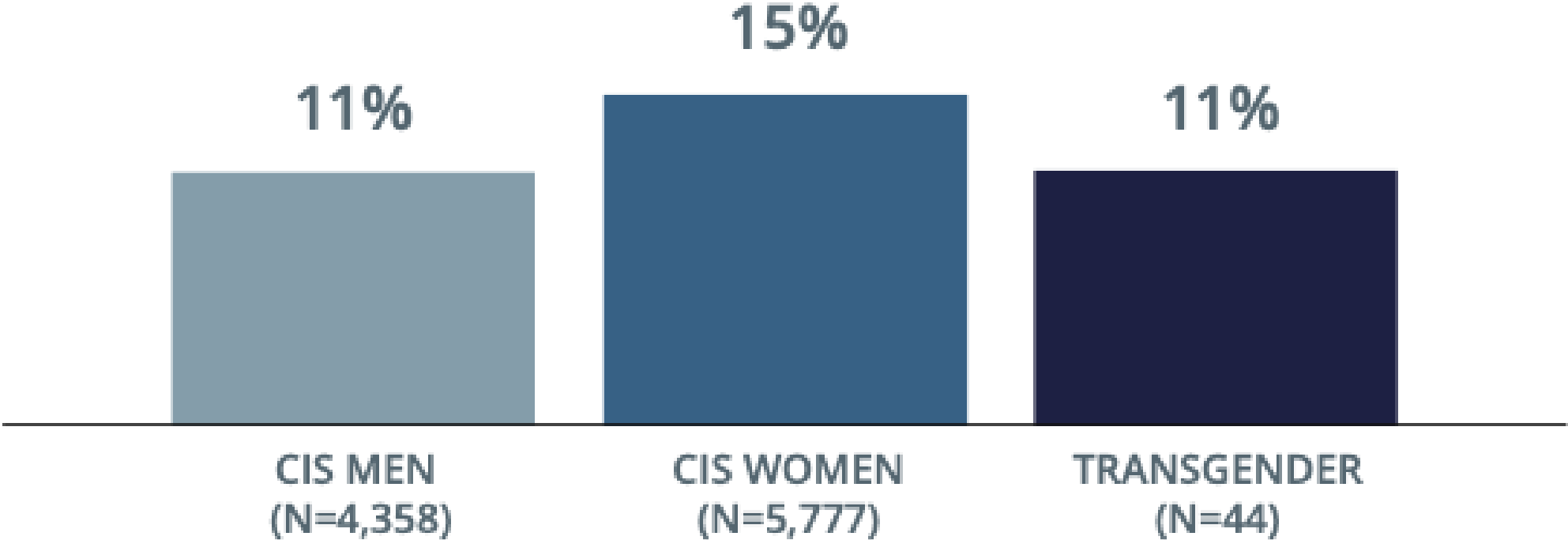
24% of LGBT adults in the South live in poverty. (2019, December 12). Retrieved from <https://williamsinstitute.law.ucla.edu/press/state-lgbt-poverty-press-release/>.

Figure 58. Poverty rates in Georgia by gender identity



24% of LGBT adults in the South live in poverty. (2019, December 12). Retrieved from <https://williamsinstitute.law.ucla.edu/press/state-lgbt-poverty-press-release/>.

Figure 54. Poverty rates in Delaware by gender identity



24% of LGBT adults in the South live in poverty. (2019, December 12). Retrieved from <https://williamsinstitute.law.ucla.edu/press/state-lgbt-poverty-press-release/>.

How do we make
Washington look more like
Delaware and less like Iowa?

For trans people, how do we
make Washington look a little
more like Georgia?