

“MALE AND  
FEMALE  
CREATED HE  
THEM”

STEVEN J WILLING, MD, MBA



“

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

”

Genesis 1:27



INFORMED BY  
GENESIS

1. Gender differences are innate
2. Humans designed for lifelong monogamy, and celibacy apart from marriage
3. We are broken, and ignoring 1&2 leads to harm

The background is a gradient of dark blue and purple, speckled with small white dots. On the left side, there are several concentric circular patterns. A prominent circular scale with degree markings from 140 to 260 is visible. Other circles of varying sizes and line styles (solid, dashed, dotted) are scattered across the left half of the image, some with arrows indicating direction.

# GENDER DIFFERENCES

PART 1

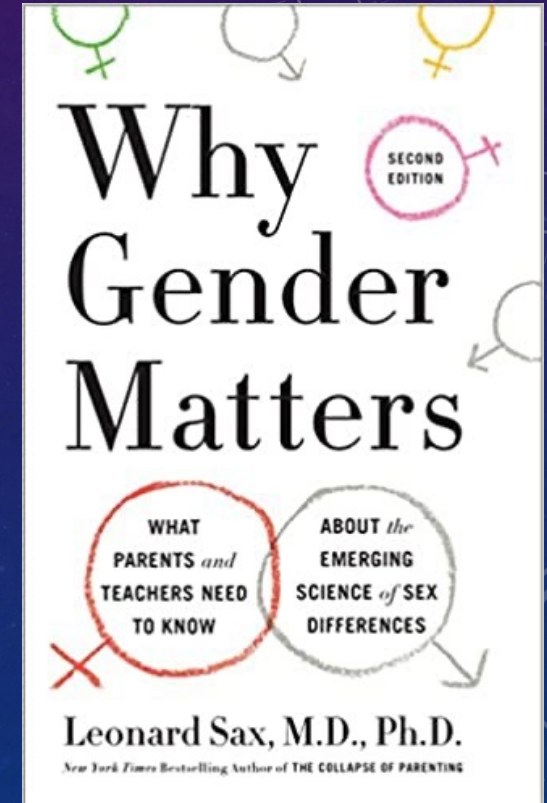


# IS GENDER A SOCIAL CONSTRUCT?

- “*On ne naît pas femme, on la devient*” *Simone de Beauvoir (1908-1986)*
- “Most of the differences we observe between girls and boys are socially constructed” *Henry Gleitman, psychologist at U Penn*
- “Our current notions of masculinity and femininity are cultural conceits” *Anne Fausto-Sterling, Brown U*
- “There is no sense in talking about male and female nature” *Daphna Joel, Tel Aviv University, 2015*
- John Money, Reimer twins. Founded Gender Identity Clinic at Johns Hopkins, pioneer of the field

# MALE-FEMALE DIFFERENCES

- Hearing
- Smell
- Risk-taking
- Aggression
- Learning style
- Friendships
- Response to babies
- Sex drive
- Attitudes toward sex
- Empathy vs systems orientation







# Testing the Empathizing–Systemizing theory of sex differences and the Extreme Male Brain theory of autism in half a million people

David M. Greenberg<sup>a,1,2</sup>, Varun Warri<sup>a,1</sup>, Carrie Allison<sup>a</sup>, and Simon Baron-Cohen<sup>a,2</sup>

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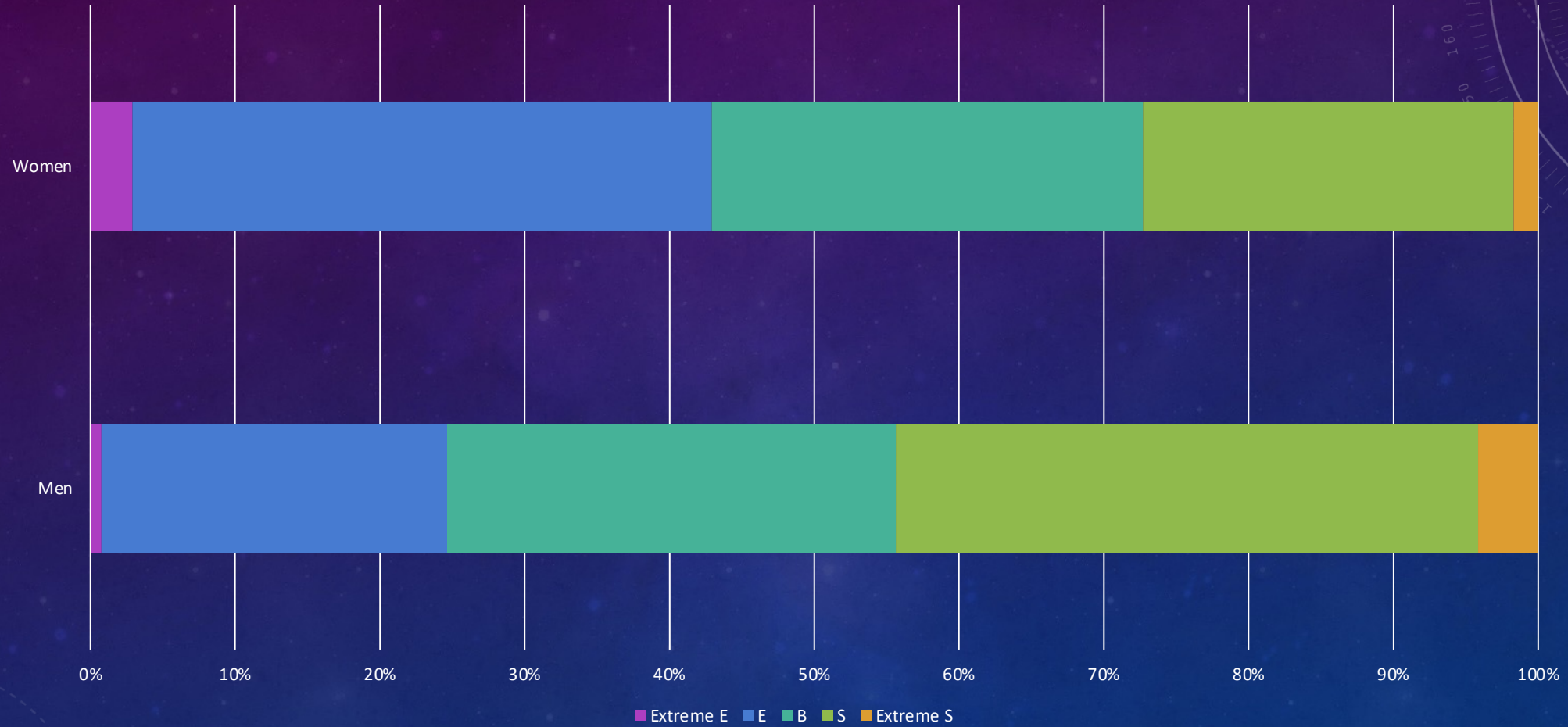
Edited by Leda Cosmides, University of California, Santa Barbara, CA, and accepted by Editorial Board Member Michael S. Gazzaniga September 27, 2018  
(received for review June 27, 2018)

Largest ever study examining sex differences ( $n > 670,000$ )

Females higher in Empathy Quotient (EQ)

Males higher in Systems Quotient (SQ)

Brain types: Female versus Male





# MALE AND FEMALE BRAINS?

- *Function, not structure*
- Hormonal influences (CAH-afflicted females)
- Testosterone, Androgen receptors, CAG codon





JNR  
JOURNAL OF  
**Neuroscience  
Research**

January/February 2017 ■ Volume 95, Numbers 1–2

An Issue Whose Time Has Come: Sex/Gender Influences on Nervous System Function  
Guest Editor: Larry Cahill

WILEY

JANUARY 2017

“The notion that sex matters fundamentally, powerfully, and pervasively for *all* of neuroscience (not just for reproduction) is an idea whose time indeed has come.” Larry Cahill, Editor





# IMPORTANT CAVEATS

- Both masculine and feminine personae exist along a continuum
- Some gender *roles* indeed are socially and culturally determined
- Significant overlap is inevitable but varies with trait
- Many gender differences actual *decrease* with age and experience

# BIBLICAL MARRIAGE AND SEXUALITY

## PART 2



# BIBLICAL SEXUALITY

- Incorporated into human design (“natural law”)
- Lifelong, heterosexual monogamy
- Celibacy outside of marriage

# MARRIAGE & SEXUALITY

- Diversity/Complementarity
- Interdependence/Exchange
- Procreation



# DIVERSITY

“Male and female each have excellencies and glories, perspectives and powers, that the other gender does not have and cannot reproduce.”

PCA Study Committee Report p. 41

# WHY COMPLEMENTARITY MATTERS

- Optimal for child-rearing
- Enhances maturity in a healthy relationship
- Incentivizes personal growth
- Optimal for household functioning
- Optimal for long-term happiness and mental health



# POSITIVE OUTCOMES OF MARRIAGE

- Higher levels of happiness
- Higher economic prosperity
- Higher level of physical health
- Increased longevity
- Children fare better by every measure

# MARRIAGE AND HEALTH

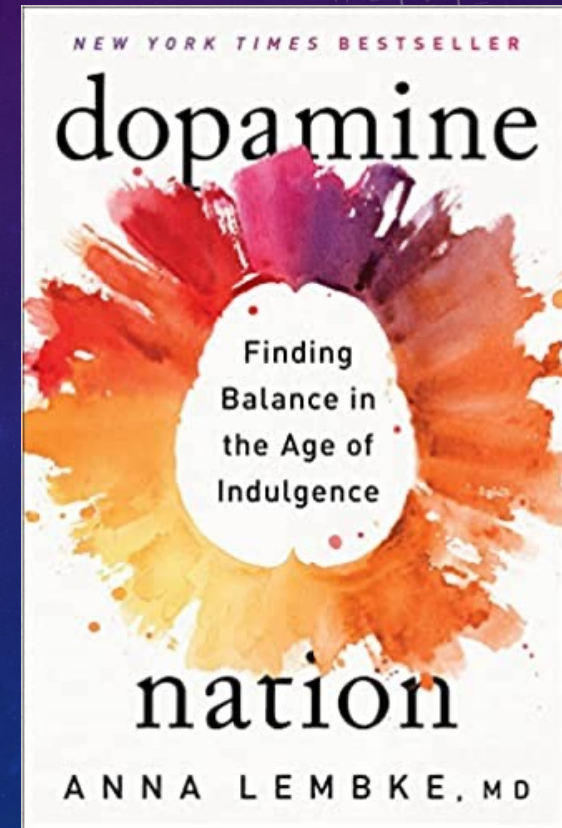
*What Do We Know About the Link  
Between Marriage and Health?  
Journal of Family Issues 31(8):1019-  
1040, 2010*

- “Marriage reduces depression”
- “Unmarried adults are more likely to drink, use marijuana, and drive recklessly”
- “Married men and women experience lower mortality at every age relative to those who remain unmarried or lose their spouse through widowhood or divorce”
- “A number of rigorous studies reveal that marriage can also lead to better general physical health and better outcomes for some specific health conditions, including arthritis, hypertension, and heart disease”



# NEUROCHEMISTRY OF SEX

- Dopamine
- Oxytocin (primarily females)
- Vasopressin (males)
- Rewires brain
- Self-sustaining



# EMOTIONAL CONSEQUENCES OF NONMARITAL SEX

- Depression
- 1.5-3.5x more likely to consider suicide
- Oxytocin-mediated bonding
- Multiple partners diminish capacity to form a committed relationship
- Women suffer more



# MEDICAL CONSEQUENCES OF NONMARITAL SEX

- Pregnancy
  - Quoted efficacy of birth control assumes perfect compliance
  - Abortion as birth control
- STDs
- Death: AIDS, HPV, Violence

# Reported STDs Reach All-time High for 6th Consecutive Year

More than 2.5 million cases of chlamydia, gonorrhea & syphilis reported in 2019

## Press Release

For Immediate Release: Tuesday, April 13, 2021

**Contact:** [Media Relations](#)

(404) 639-3286

BUT NO ONE CARES.....

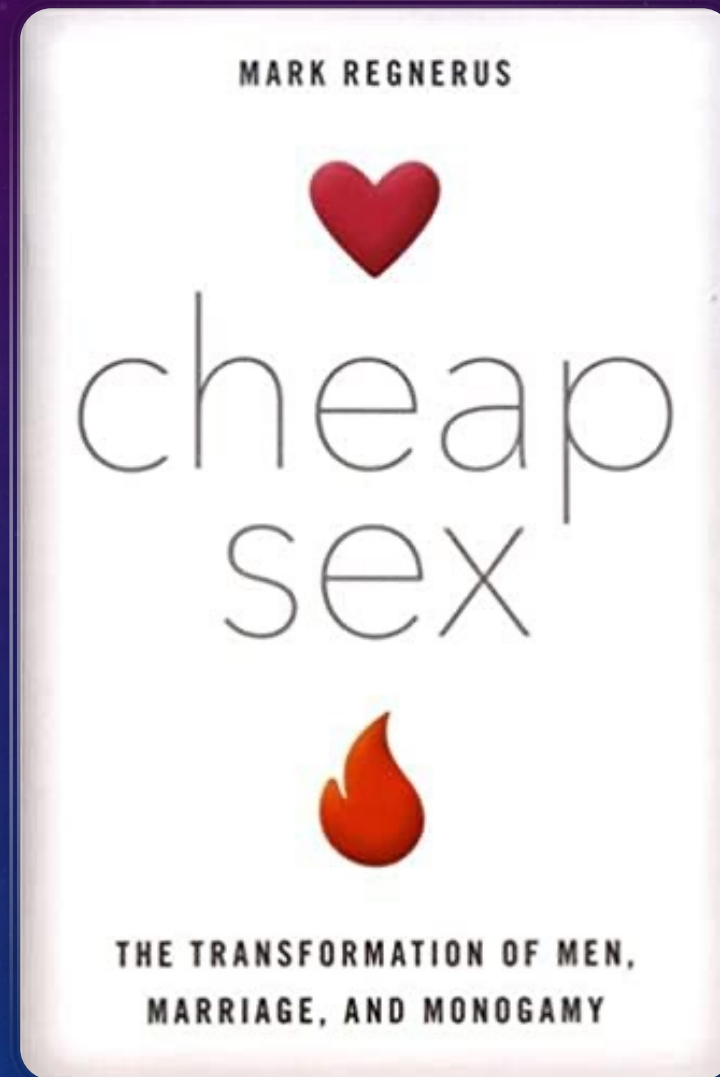


# SOCIAL CONSEQUENCES OF NONMARITAL SEX

- **Reduced religious engagement**
- More liberal political tendencies
- Masculine acedia
- Reduced marriage rate
- Reduced fertility

## “CHEAP SEX”

- Males dominate the demand side for sex , females typically the “gate-keepers”
- Females dominate the market for marriage
- The “price” of sex is reflected in what it costs an individual to obtain a partner





# “CHEAP SEX”

- The Pill
- Internet dating and smart phone apps – “sex delivery system”
- Lower expectations from females
- Changing approach to marriage
- Pornography
- Marriage remains “expensive”

# SEXUAL ECONOMICS, CULTURE, MEN, AND MODERN SEXUAL TRENDS

Baumeister and Vohs, 2012

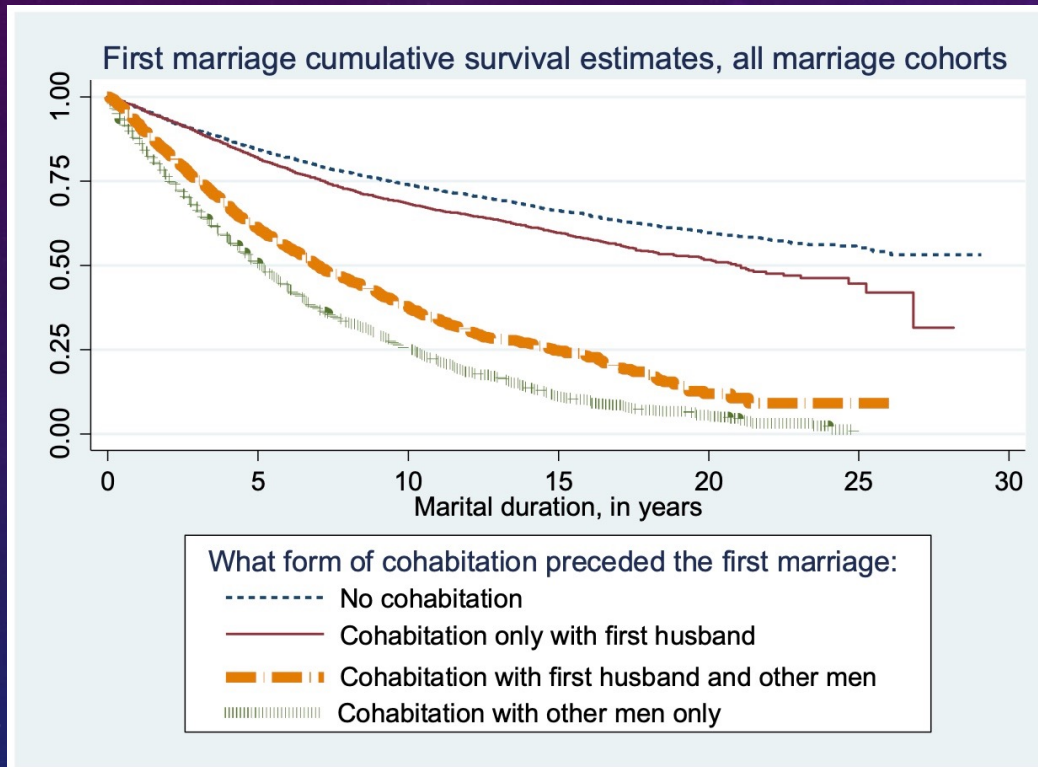
“Giving young men easy access to abundant sexual satisfaction deprives society of one of its ways to motivate them to contribute valuable achievements to the culture.”



# COHABITATION

- Less bonding
- Less intimacy
- Less sharing
- Less commitment
- Less financial security
- Puts children at risk
- More conflict
- More cheating
- Risk factor for future divorce

# ROSENFELD & ROESLER, 2018, J MARRIAGE FAM



“The benefits of cohabitation experience in the first year of marriage has misled scholars into thinking that the most recent marriage cohorts will not experience heightened marital dissolution due to premarital cohabitation.”



# POLYGAMY

The impact of polygamy on women's  
mental health: a systematic review |  
Epidemiology and Psychiatric  
Sciences 22(1):47-62, 2013

“Individual studies report a higher prevalence of somatization, depression, anxiety, hostility, psychoticism and psychiatric disorder in polygynous wives as well as reduced life and marital satisfaction, problematic family functioning and low self-esteem.”

## HENRICH, BOYD, & RICHERSON 2012

- Monogamous societies outperformed all others
- Lower crime
- Reduced gender inequality
- Improved economic productivity
- Less child neglect and abuse



# CHILDREN'S RIGHTS

- Biological father
- Biological mother
- Stable home environment



# THEM BEFORE US

- By almost every measurable parameter, children fare far better when raised by their married biological parents
- Safety
- Identity
- Mental and physical health
- Economic and academic success
- Social well-being



# CONSEQUENCES OF THE FALL

PART 3

# CONSEQUENCES OF THE FALL

- Wedge between men and women
- Corruption of marriage
- Corruption of sexuality
- Corruption of child rearing



# SUMMATION

- Men and women are biologically different and complement one another
- Sex within Biblical marriage is the optimal paradigm for human flourishing
- Departure from Biblical sexuality inflicts massive individual and civilizational harm

The background is a gradient of deep blue and purple, speckled with white dots resembling stars. Faint, light-colored geometric patterns are visible, including concentric circles and arcs with arrows, suggesting a celestial or scientific theme.

COMING NEXT WEEK: VICTIMS OF THE SEXUAL  
REVOLUTION