

Homosexuality




Earlygayhb.mp4

- **What is it?**
 - Take the “How gay are you?” quiz
 - Kinsey said it was not “either-or” but on a continuum based on: behavior, fantasies, whose body sexually excites you.
- **Is it a choice?**
 - Did the boy in the video “choose” to not be excited by women in Playboy?
 - **Do Homosexuals “choose” to be gay?**
 - **Do Heterosexuals “choose” to be straight?**
 - How come nobody can remember when/where they made that choice?

THOMAS AQUINAS PSYCHOLOGICAL CLINIC



You don't have to be gay.

Does “gay” describe your true identity? If not, we can help you –

- Diminish your unwanted homosexuality
- Explore your heterosexual potential



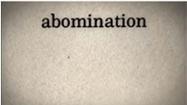
Death Penalty for Gays.mp4



What are the consequences of a mother assuming her son “chose” to be gay? And can hence “change”.

Niteline god gays.mp4

- **Imagine in class you get harassed and angered. I say “Quit complaining, YOU made the choice to attend”.**
 - Do you agree?
 - Did all of you today make the choice to attend class today?
 - Do you remember when you made that choice? Where were you when you made that choice?
 - **My hunch is that for most of us, events unfolded automatically without conscious deliberation.**
 - (Tiffany’s view on automaticity of drug use)
- **When did YOU make the choice to be straight/gay?**
 - Imagine a gambler trying to abstain. He has to drive home from work and decides to take the 101 instead of some other route. Then he realizes he needs gas and gets off at the casino exit for gas. Next thing he knows he’s in the casino gambling.
 - He didn’t start out making a decision to gamble, but all of his choices took him closer to that outcome. Next thing he knew, he was gambling. If asked about it, he might say “I don’t know what happened – I was driving home and next thing I knew – there I was, sitting in front of a slot machine.”

- There is the science/research of homosexuality and there is the cultural/religious aspect**
- I’ve always felt like, as a scientist, it isn’t appropriate to comment on the cultural /religious aspect.
 - Like responding to people who claim the bible says homosexuality is an abomination.
 - Appropriate for a scientist/critical thinker to question someone about their Biblical beliefs on homosexuality?
 - I think therapists do that all the time. Helping to “crystalize” thoughts/beliefs. Question inconsistencies.
 - The short video comments on Biblical literalism.
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Homosexuality

- What does science say about the causes of homosexuality?
 - Genetics: Do or genes influence or help determine, our sexual orientation?
 - To answer, we might do a twin study

- Bailey & Pillard (1991)**
- From a response to the question about a Homosexual Gene from on line: *There is no DNA homosexual gene because God would not create anyone this way because He calls it an abomination to partake in this sexual behavior and therefore would not predisposition someone to commit a sin against Him without the use of their God given free will.*
 - Recruited “probands” through gay publications: must be gay or bisexual, at least 18, with either male co-twins or an adopted “brother”
 - Interviewed in person or on phone assessing sexual orientation of both proband and siblings, and asked to contact relatives.

Table 3.— Relatives' Sexual Orientation and Age

	Subsample		
	Monozygotic	Dizygotic	Adoptive Brothers
Homosexual, No./total (%)*	29/56 (52)	12/54 (22)	6/57 (11)
Homosexual (confirmed), No./total (%)†	25/50 (50)	11/46 (24)	6/31 (19)
Mean (±SD) age, y	33.8±7.8	34.6±11.0	30.0±10.6

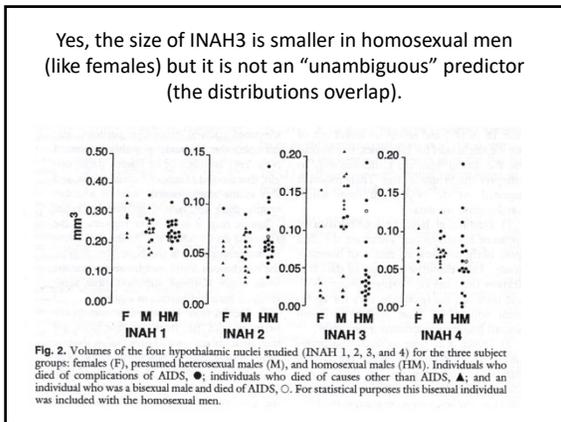
52% of MZ co-twins were gay or bisexual
 22% of DZ co-twins were gay or bisexual
 11% of adoptive "brothers" were gay or bisexual

- Others twin studies report rates of homosexuality in twins "conformed to a partly genetic model, with highest concordance in the most genetically similar group (MZ) and lowest concordance in the least similar group.
- Estimates of heritability (magnitude of the genetic effect) ranged from .3 to .7

- ### Linkage Studies
- If there are genes that determine sexual orientation, can we identify them?
 - Some have found that gay men have more homosexual uncles and cousins through the maternal line than on the paternal line suggesting genes on the X chromosome
 - Some report evidence of a genetic marker on chromosome Xq28.

- ### Is homosexuality caused by differences in neuroanatomy? Do homosexuals have different brains?
- Gorski in the 70s found male-female rats differed in size of some hypothalamus nuclei as a result of androgen exposure.
 - Gorski also found male rats deprived of T acted like females and females given T acted like males.
 - Simon Levay (1991) compared the size of 4 nuclei in the hypothalamus between: women, gay men who died of AIDS and 16 presumed heterosexual men.
- Gorski Rats 
- Focus on Family  Levay med short 

- INAH #3 was smaller in hetero women than hetero men. It was also smaller in the gay men than the straight men. (the gay men had a nucleus the size that is normal for women.)



Fraternal Birth Order

- Homosexual men are found to have a greater number of older brothers than heterosexual men.
- Estimated that each older brother increases odds of being a gay man 33-48%.

- Probability of having gay son rises from 2% for first son to 6% for 5th son.
- Attributable fraction is increase in prevalence due to birth order effect. I.E. one fourth (.2432) of gay men with one older brother owe their homosexuality to birth order effect.

Older brothers	Odds	Probability (prevalence)	Attributable fraction	Frequency distribution
0	.0204	.0200	.0000	.5464
1	.0271	.0264	.2432	.2848
2	.0361	.0348	.4260	.1126
3	.0480	.0458	.5634	.0397
4	.0639	.0600	.6668	.0132
5+	.0849	.0783	.7445	.0033

- Having more older brothers in homosexual men may reflect a maternal immune reaction, which is provoked only by male fetuses and which becomes stronger after each pregnancy with a male fetus.
- Referred to as H-Y antigen.

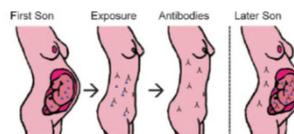
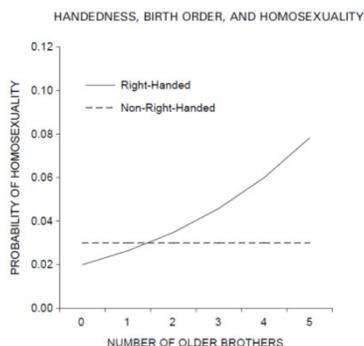


Fig. 1. Maternal immunization hypothesis. When a mother is carrying her first son, the placental barrier protects each from exposure to the other's proteins. But inevitable mixing of blood upon delivery will expose the mother for the first time to male-specific proteins (blue triangles), including those encoded on the Y chromosome. If her immune system produces antibodies to these proteins, then the placenta may actively transport those antibodies (indeed, all IgGs) to subsequent offspring *in utero*, potentially affecting development of later-born sons, but not later-born daughters.

- New evidence indicates that a left handed son in utero is not influenced by the birth order effect. But a right handed son is.



Gender Non-conformity

Gay 60 min

- Prospective Studies: gets children and follow for years to see which orientation unfolds.
 - Green: 75-80% of previously feminine boys became either bi or homo sexual. Same with 6 other studies.
- Retrospective Studies: get adults and have them report on childhood sex-typed conformity.
 - Gay men and women recall substantially more cross-sex typed behavior in childhood than do hetero controls.
 - Effect sizes were large for both men and women.
 - Much bigger than even effect sizes for sex differences of verbal ability, math ability, spatial abilities, aggression
 - Effect sizes were larger for men than women.
 - Early cross-gender behavior is more predictive for gay men than lesbian women.

Do Homosexuals move differently from heterosexuals?

- Is there such a thing as Gaydar?



gaydar



Gay 60 Min

Can you “Pray away the gay” or “shock it away”?

- The following professional groups have issued statements warning of possible harm and asserting there is no evidence one can change their sexual orientation

Surgeon General 2001

American Psychiatric Assoc 2000

American Psy Assoc 1997

National Assoc of Soc Work 1997

American Counseling Assoc 1998

There is no published scientific evidence supporting the efficacy of reparative therapy as a treatment to change one's sexual orientation. The potential risks of this therapy are great, including depression, anxiety and self-destructive behavior.

Hicks (1999) in American Law Review

- “To ascertain whether a person’s sexual orientation is even capable of being changed or repaired, let’s begin with an exploration of whether sexual orientation comes from nature or nurture”
 - Some things we would call “Nurture” can’t be changed
Baby duck that imprints on first thing they see.
- “if a case involving a child involuntarily subjected to reparative therapy was before a non-hostile court there would be ample precedent for a finding of child abuse and neglect”. Finish reading on page 544.

- End