



Sexual Assault Medical Forensic Examinations

Items of Interest

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Study in Utah

- 2010-2021
- $N=8,323$
- 241 variables from Sexual Assault Medical Forensic Examination charts & 60 variables from crime lab DNA analysis

Victim demographic info

- Gender:
 - Female 94.5%
 - Male 4.7%
 - Trans. M to F 0.3%
 - Trans. F to M 0.2%
 - Intersex 0.1%
 - Non-binary 0.1%
- Age:
 - Mean 27.6 years
 - Median 24 years
 - Mode 18 years

Victim demographic info

Utah Race

- White 75.8%
- Black 3.6%
- Hispanic 12.3%
- Asian/Pacific Islander 2.4%
- Native American 2.9%
- Other 0.5%

Idaho Race – 1,664

- White 79.3%
- Black 1%
- Hispanic 15.4%
- Asian/Pacific Islander 0.8%
- Native American 3.2%
- Other 0.2%

Prior history of sexual assault

- Under age 14 years: 38.4%
- Over age 14 years: 42.3%



Self-disclosed Mental Illness

- 48.3% compared to 22% in Utah
- Mental illness is significant vulnerability for sexual assault

Consensual sex within 120 hrs of
assault

Utah: 29.0% reported “yes”

Idaho: 20.3% reported “yes”

Suspect Relationship

- Stranger 18.1%
- Acquaintance 58.2%
- Spouse/Partner 7.0%
- Ex-partner 5.7%
- Other 6.2%
- Unknown 4.8%

Patient Actions

- Hit 12.1%
- Scratch. 9.6%
- Kick 9.4%
- Bite. 4.9%

- Other 17.9%

Patient bathed or showered

◦37% Yes before exam

Assailant Actions

- Grabbed or held victim 61.1%
- Verbal coercion or threats 37.6%
- Strangled victim 16.4%
- Hit victim. 16.2%
- Weapon 10.1%
- Used restraints 5.0%
- Burned victim 1.5%

Victim Loss of Consciousness or Awareness

- 48.1%
- 49% answer “unknown” to at least 1 question related to what touched what in the assault
- 17.6% answer “unknown” to all questions related to what touched what in the assault

Asleep and awakened to assault

- 12.4%
- Highly vulnerable state

What touched what

- Penile penetration of vagina: 61%
- Penile penetration of anus: 18%
- Oral contact of victims' genitals: 20%
- Mouth of victim by assailant penis: 22.3%

- Mouth-to-mouth "Kissing" 45.0%

Ejaculation

- Victims' answer:
 - No 14.3%
 - Yes 33.2%
 - UNKNOWN* 52.5%

Condom Use

- Victim's answer:

- No 65.5%

- **Yes 7.2%**

- Unknown 27.1%

- College student use of condoms in consensual sex: 45%

Injuries

- Consider both non-anogenital and anogenital injuries
- Non-anogenital: 71.4%, mean of 6.4%
- Ano-genital: 47.4%, mean of 1.5

Contact Info

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