

Retrospective, Collaborative Study

• 4,038 Cases:

- 2010 to 2016
- Represents 78% of the population in Utah
- All areas with SARTs
- All cases over age of 14 years, fully completed exam with evidence collected, wanted to report to LE

– 241 Variables per case

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Variables associated with development of CODIS eligible profile:
 Bivariable statistics (p < .05)

- Gender (female)
- Time between assault and exam
- Strangled
- Multiple suspect assault
- Vagina penis contact
- Mouth on genitals
- Mouth on breasts
- Mouth on other body parts
- · Ejaculation known to occur
- Patient with genital injuries

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    Variables NOT associated with development of CODIS eligible
DNA profile:
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- Site of evidence collection
- Relationship between victim and suspect
- Patient bathed or showered
- Time between evidence collection and SAK submission (p = 0.917)
 - Lack of DNA degradation
 Supports testing ALL unsubmitted SAKs

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