# PREVALENCE OF GENERATIVE ARTIFICIAL INTELLIGENCE SEXUALIZED IMAGE INTERACTIONS BY ADOLESCENTS IN THE UNITED STATES

GENERATIVE AI TOOLS, INCLUDING SMARTPHONE AND COMPUTER-BASED TOOLS, ALLOW INDIVIDUALS TO SEE WHAT THEY LOOK LIKE NAKED AND CREATE WHOLLY NEW SEXUALIZED IMAGES AND ARE READILY AVAILABLE AND ACTIVELY USED BY YOUNG ADULTS.

### HIGHLIGHTS

- GENAI **USAGE** TO CREATE

  SEXUALIZED IMAGES IS **HIGH**,

  BUT **INFREQUENT**
- USAGE AND VICTIMIZATION
  IS MOSTLY SIMILAR ACROSS
  ALL AGES (13-17), GENDERS,
  RACES, REGIONS, AND
  SEXUAL ORIENTATIONS
- 55% HAVE PUT THEIR OWN IMAGE INTO NUDIFICATION TOOLS
- 54% HAVE HAD SEXUAL AI
  IMAGES OF OTHERS SHARED
  WITH THEM
- 36% HAVE BEEN VICTIMS OF NON-CONSENSUAL SEXUAL AI IMAGE CREATION
- 33% HAVE BEEN VICTIMS OF NON-CONSENSUAL SEXUAL AIDISTRIBUTION

#### **OBJECTIVE**

Quantify the prevalence of Generative AI image generation and distribution by 13 - 17 year olds

#### **METHODOLOGY**

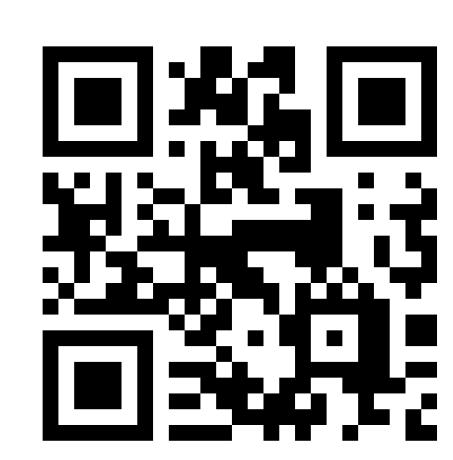
Anonymous, Internet based survey conducted with parental consent and participant assent of English-speaking teens 13 - 17 in the United States (n=557) identifying:

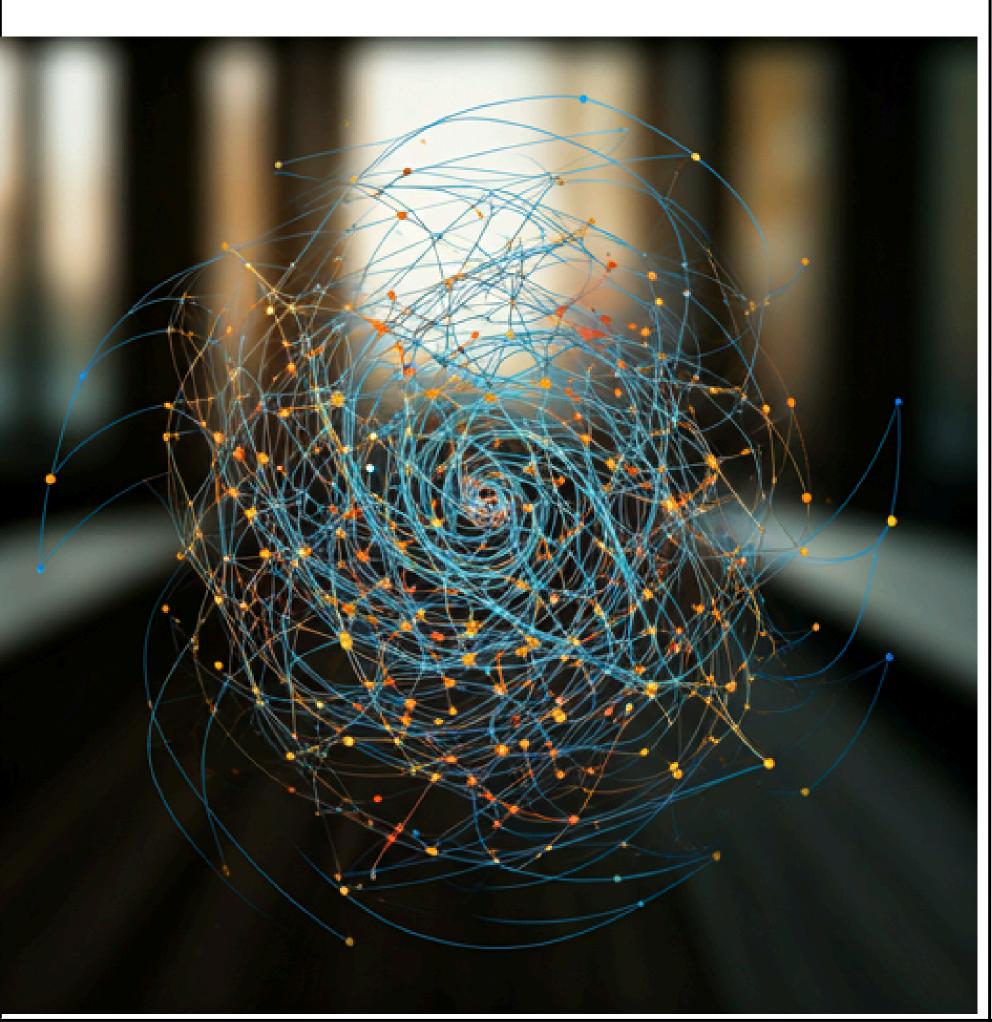
- Usage of nudification and other generative AI tools to create sexualized content of themselves and their peers
- Exploration of both consensual and nonconsensual image creation and distribution
- Victimization of the survey population by others using generative AI tools

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#### **AFFILIATIONS**

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#### Sexual GenAl Image Interactions by Adolescents I have shared images of my peers created using nudification tools without their permission I have shared naked images of individuals in my peer age group created with AI image creation tools I have used nudification tools to create images of my peers without their permission I have shared naked images of adults created with Alimage creation tools My peers have shared images of me created with nudification to ols without my permission I have shared naked images of myself created using Altools I have used image creation tools to generate naked images of adults My peers have used nudification tools to create images of me without my permission I have used image creation tools to generate naked images of individuals in my peer age group I have shared images of my peers created using nudification tools with their permission My peers have shared images of me created with nudification to ols with my permission My peers have shared naked images of adults created with Al image creation tools with me I have shared images of myself created using nudification tools I have used nudification tools to create images of my peers with their permission I have used image creation tools to generate naked images of myself My peers have shared naked images of others in our peer age group created with AI image creation tools.. My peers have used nudification tools to create images of me with my permission My peers have shared images of other peers created using nudification tools with me My peers have shared images of themselves created using nudification tools with me I have used nudification tools to see how images of myself look 0.80 0.00 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.90 1.00 Performed Frequently Performed Infrequently Performed Once or Twice Performed Regularly ■ Never Performed

## CONCLUSIONS AND IMPLICATIONS

- Adolescents are routinely creating and sharing content legally classified as child sexual exploitation material, both consensually and non-consensually
- Better education on the risks and safe usage of GenAl image creation needs to occur, and prior to teenage years
- Investigative, digital forensics, clinical and deterrence efforts needs to incorporate the large influx of new GenAl CSEM images created by this population
- Legislative approaches are needed to avoid the criminalization of large numbers of minors using this technology