

Venues, Information and Leverage

How our youth is using technology

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Today's Outline

- # **Online Communication**
 - ◆ *The Evolution of contact*
- # **The Dangers...**
 - ◆ *Information and Exploitation*
 - ◆ *Exposure/sexualization*



How has online contact evolved?

✦ Evolution over the last 15 years

- ◆ Read only – Internet postings
- ◆ Basic text communication – BBS/Newsgroups
- ◆ Computer to computer – Chat/IRC/ICQ
- ◆ Email – “The Backbone”
- ◆ “Instant Messaging” – AIM, Yahoo Messenger
- ◆ Enhanced IM – Images, WebCam, Voice
- ◆ *Social Networking and Beyond...*

Social Networking Sites

The Current Evolution

facebook
Welcome to Facebook!

Facebook is a social utility that connects you with the people around you.



STICKAM



live daily at 9pm

Stickam is a social networking website that features pictures, audio, and video. It allows users to embed their streaming webcam into other web sites.

CHATROULETTE



The page at <http://www.chatroulette.com> says:
In order to play the game, you must enable your camera.

initiating another random connection (*Wikipedia*)

Created by a 17-year-old high school student in Moscow/based out of Russia

Augmented Reality Browsers



Layar/Wikitude Browsers

- ◆ Select multiple layers of content to place into your Augmented Reality Browser
- ◆ Utilizes GPS/Camera to automatically find detailed content based on where you are pointing your phone.
- ◆ Click to get more information on almost anything.





Go Mobile!!!

Mobile Devices "On the Fly"

- Teens spend **more than \$100 billion annually** on mobile telecommunication devices
 - Cellular telephones
 - "Smart" phones (iPhone, Droid, Pre)
 - Hand-held gaming devices (PSP)
 - Mp3 Players (I-Touch)
- Access to Internet via cellular/WiFi

- 75% of all teens** utilize text messaging
 - Average of 60 text messages per day!
- 63% of all teens** say they exchange text messages daily
 - Only **14% of teens utilize a landline** to talk with friends daily
 - Only **26%** utilize their cellular phones to **talk** to friends daily.

✦ 2011 – Total of 278.3 million data-capable devices

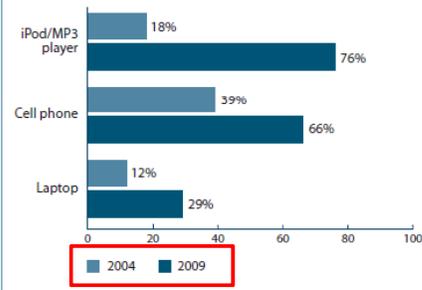
✦ Nearly 1.14 trillion text messages sent and received (or more than 6 billion per day).

✦ 425 million MOBILE Facebook users

Last thing they touch before falling asleep/first thing they reach for upon waking.

Mobile Media Ownership, Over Time

Among all 8- to 18-year-olds, percent who own each platform:



Phones and GPS

Numerous apps utilize GPS data to enable users to find each other!



6% of all American teens use cell phone-based location applications that combined with mobile devices enable youth to “check in” to a location or share their location with “friends,” thus providing their “friends” with instant access to their exact location.

Pew Research Center's Internet & American Life Project, "Teens, Kindness and Cruelty on Social Network Sites How American teens navigate the new world of "digital citizenship" (November 2011).

Tech DANGERS

Information

Exploitation

- ◆ Self-Exploitation
- ◆ Harassment/Cyberstalking
- ◆ Cyberbullying

Exposure

INFORMATION

Online Profiles and Social Networking (Facebook)

Sales/Classifieds (Craigslist)

Personal ads (local papers/online)

Dating

- ◆ How is information leveraged?????

Social Networking Pages?

- Creation of accounts
- Online Surveys
- Volume of information has increased



Information Databases

Facebook – 800 pages of data stored per user!

Index. These groups of data were disclosed by facebook (click for more details):

00. Target	13. Date of Birth	28. Machines	43. Privacy Settings
00. Date Range	14. Education	29. Messages	44. Profile Blur
01. About Me	15. E-Mail	30. Profiles	45. Realtime Activities
02. Account End Date	16. Events	31. Name	46. Recent Activities
03. Account Status History	17. Family	32. Name Changes	47. Registration Date
04. Address	18. Favourite Quotes	33. Networks	48. Relationship
05. Alternate Name	19. Friend Requests	34. Notes	49. Religious Views
06. Applications	20. Friends	35. Notification Settings	50. Removed Friends
07. Chat	21. Gender	36. Notifications	51. Screen Names
08. Checks	22. Groups	37. Password	52. Shares
09. Connections	23. Hometown	38. Phone Numbers	53. Status Updates
10. Credit Cards	24. Last Location	39. Photos	54. Vanity
11. Currency	25. Linked Accounts	40. Physical Tokens	55. Wallposts
12. Current City	26. Locale	41. Pokes	56. Website
	27. Logins	42. Political Views	57. Work

Note: Facebook is storing even more data categories. This is the (current) list of all data: [PDF \(485 KB\)](#)

53% of employers research potential job candidates on social networks

Over a third (33%) said a social networking profile proved they had lied about their qualifications on their CV.

13% claimed a potential employee had made discriminatory comments on their Facebook page.

9% said provocative or inappropriate photographs had been posted on the account.



Personal/Sales Sites

- What is for sale?
- Posting of questionable information
 - Text
 - Contact information
 - Images, links, etc.
- Validation of information is non-existent
- Self-policing

Personals/Sales Sites?

backpage.com

- adult
 - escorts
 - body rubs
 - strippers & strip clubs
 - dom & fetish
 - ts
 - phone & websites
 - adult jobs

craigslist

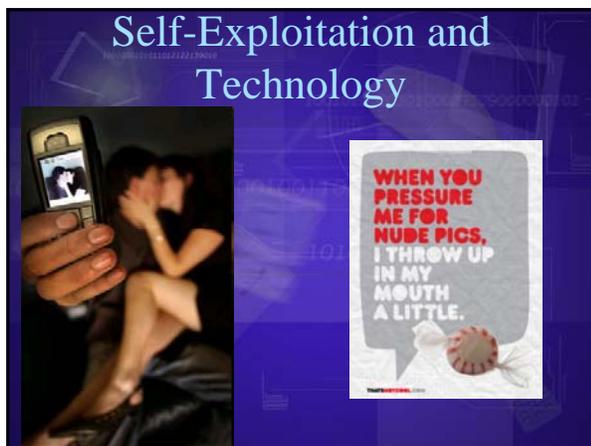
post to classifieds
my account

personals

- strictly platonic
- women seek women
- women seeking men
- men seeking women
- men seeking men
- misc romance
- casual encounters
- missed connections
- rants and raves



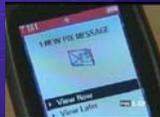




Disturbing Trend



✱ **Sexting** (sex and texting) is the act of sending sexually explicit text and/or photos electronically between cell phones.



✱ Sex and Tech Study (2008) - Posting:

- ◆ **22% of teen girls** have sent/posted images
- ◆ **37% of teen girls** have sent text
- ◆ **More than 40% of teens and young adults** say “pressure from guys” is the reason.

✱ 2012 study:

- ◆ **28 % of adolescents have sent** a nude pictures of themselves;
 - ◆ **57 % have been asked** to send a nude picture
 - ◆ **31 % have asked for** a nude picture to be sent to them.
 - These rates are substantially higher than recently published peer-reviewed data
- ◆ **Girls who engaged in sexting had higher prevalence of risky sexual behaviors** (e.g. multiple partners, using drugs or alcohol before sex, etc.)

Teen Sexting and it's Association with Sexual Behaviors (2012) University of Texas Medical Branch, Galveston

Lost Images?beyond the sender

- ✦ Small private distribution
- ✦ Maliciously released
- ✦ Fake image created
- ✦ Demand for an image
- ✦ Revengeful distribution/Blackmail threat
- ✦ Sexual solicitation
- ✦ Abusive or coercive acquisition of image

Current Trend

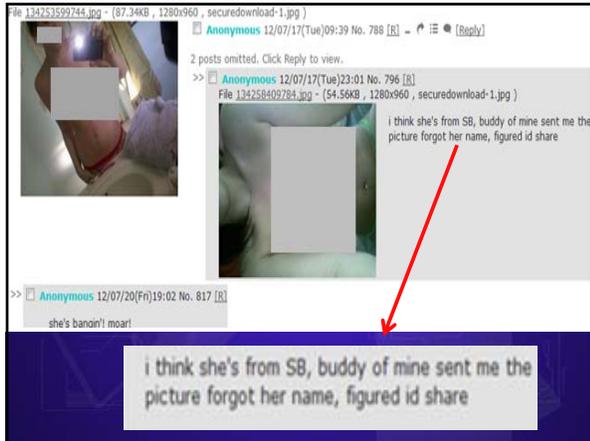
AnonIB
"Best Anonymous Image Board - Yeah!"

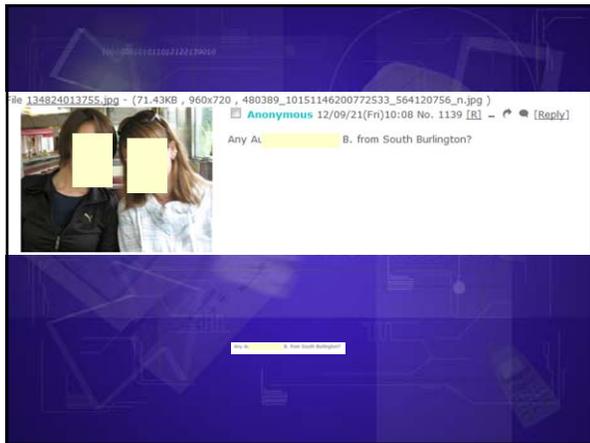
- ✦ Images are being posted on various websites related to VT.
- ✦ Numerous complaints about website www.anonib.com.

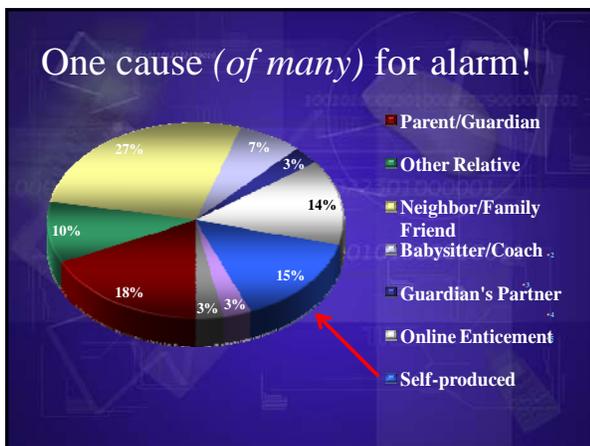
 

Tennessee
Texas
Utah
Virginia
Vermont
Washington
Wisconsin
West Virginia
Wyoming

Sluts by Province
Alberta
British Columbia
The Maritimes

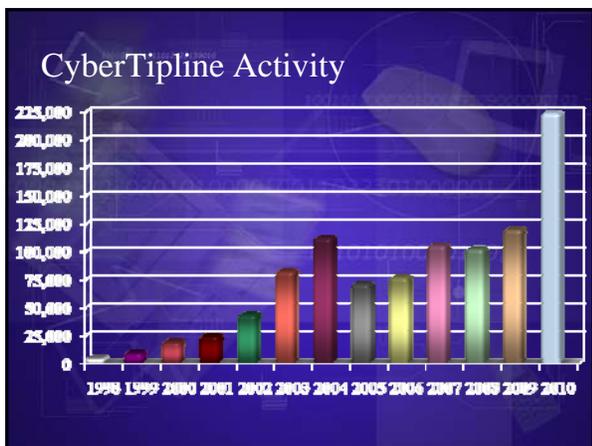












✦ The **average age** of first exposure to Internet porn is **11**. ~*Family Safe Media, December 15, 2005*

✦ **90% of 8-16** year olds having viewed porn online **mostly while doing homework.**

✦ Child pornography generates **\$3 billion** annually. ~*TopTenREVIEWS*

- Child pornography is one of the fastest growing businesses online
- The fastest growing demand is for images depicting the **worst type of abuse**, including penetrative sexual activity, sadism or penetration by an animal (*Internet Watch Foundation. Annual Report, 2008*).

Understanding

✦ Nexus between distribution of images and ill-intent by others

✦ Not mutually exclusive, taken as a whole

✦ Cumulative impact of images + information

✦ Ramifications of combined use/abuse of images/information?

How might information be used?



Contact

- ✦ Contact with known person
 - Solicited contact
- ✦ Contact with unknown person (“friend”)
 - Solicited or unsolicited
- ✦ Facilitation of a new offense
- ✦ Continuation of current offense
- ✦ Communication pre/during and post offense



CYBERSTALKING

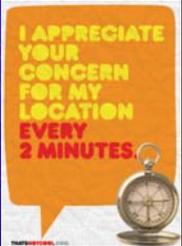
“Cyber stalking” - **Repeatedly sending messages** that include threats of harm or are highly intimidating.

Engaging in other on-line activities that make a person afraid for his or her own safety



Where????

- ✦ **Email** – Contact/images
- ✦ **Chat** – Contact/Flaming/Images/Outing
- ✦ **IM** – Private stalking
- ✦ **Social Networking/Blogs** – Online postings
- ✦ **Digital Devices** – Phone calls, MMS/SMS
- ✦ **Internet** – Ecards, web pages, blogs
- ✦ **Other** – Dating sites, etc.
- ✦ Cell phone Hijacking?



Electronic Dating Violence and Teens –2010 research - *Victims*

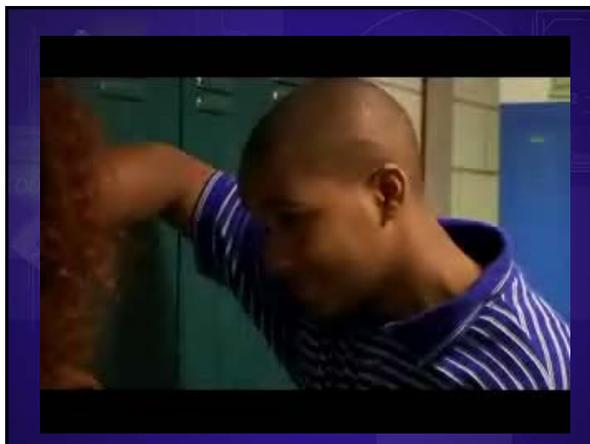
- ✦ **10% youth** – Partner prevented them from using device.
- ✦ **6% boys/girls** - Partner posted something publicly online.
- ✦ **10.4% boys/9.8% girls** – Received threatening message from partner.
- ✦ **5.4% of boys and 3.4% of girls** - Romantic partner uploaded or shared a humiliating or harassing picture.

Other Research

✦ **36% of teens** say their boyfriend or girlfriend checked up on **them as many as 30 times per day**

✦ **17% of teens** reported that their significant other **made them afraid** not to respond to cell phone calls, email, or text messages.

Tech Abuse in Teen Relationships Study - January 2007 – Liz Claiborne Inc.



Technology and **Bullying/Harassment**

Cyberbullying is when a child, preteen or teen is tormented, threatened, harassed, humiliated, embarrassed or otherwise targeted by another child, preteen or teen USING the Internet, digital technologies or mobile phones.



http://www.stopcyberbullying.org/what_is_cyberbullying_exactly.html

✎ **42% of kids have been bullied while online.** *1 in 4 have had it happen more than once.*

✎ **35% of kids have been threatened online.** *Nearly 1 in 5 have had it happen more than once.*

✎ **21% of kids** have received mean or threatening e-mail or other messages.

✎ **58% have not** told their parents or an adult about something mean or hurtful that happened to them online.

i-SAFE America survey of students nationwide – 2003-2004 – i-SAFE America

CYBER BULLYING TYPES

✎ **“Flaming”**: Online fights

✎ **“Harassment”**: Repeatedly sending

✎ **“Denigration”**: ‘Dissing’ someone online

✎ **“Impersonation”**: Pretending to be someone else and sending or posting material online

✎ **“Outing and Trickery”**: Sharing someone’s secret or embarrassing information online.

✎ **Exclusion”**: Intentionally excluding

✎ **“Scraping”**: Copying information from a legitimate page and create a false page with this information.

* (Nancy Willard, M.S., J.D., Director of the Center for Safe and Responsible Internet Use)

Impacts of Cyberbullying

✦ **20% of respondents** reported seriously thinking about attempting suicide

✦ Cyberbullying victims were **almost twice as likely** to have attempted suicide compared to youth who had not experienced cyberbullying



In one incident of cyberbullying, photos of a sexual encounter were recorded on a cell phone camera and posted on the Web **within an hour** (spimes.com)



✦ Every day youth have access to sexual and violent material one click away!

- **Pornography** – Hard core, simulated rape, bestiality, paraphilic images, etc.
- **Violence** – Weapons, bomb making, fights caught on tape, accident scenes, death
- **Drugs/Alcohol** – access, images, etc.
- **Sexually provocative materials** – Advertisements, TV, print media, toys, clothing, etc.



Not just advertisements... what about the checkout line?



Teen stars Selena Gomez/Dakota Fanning

Constant bombardment....

- ✦ Advertisements
- ✦ Television/movies
- ✦ Internet pornography (*sites, pop-ups, file sharing*)
- ✦ Store displays (*e.g. mannequins*)
- ✦ Video games
- ✦ Magazines/books (*e.g. Cosmo, fitness, etc.*)
- ✦ Music videos
- ✦ Toys
- ✦ Clothing
- ✦ "Reality TV"

Increasing severity of exposure

- ✦ Exposure may start somewhat innocent/low level
- ✦ Over time, type of images sought may increase in content/severity
- ✦ Changing attitudes for what may be "normal"
 - ◆ *E.g. Recent CUSI cases*
- ✦ Learning by example/practice what is observed?

A day in the life.....



✦ A young teen wakes up...immediately grabs cell phone to find friends have posted new images....



✦ She wants to update her own profile but realizes she just woke up so she immediately gets dressed and applies make-up to post herself...



She runs out the door to begin her walk to the bus stop, on the way she stops at Burger King to grab a quick breakfast....



After grabbing breakfast, she continues her walk to the bus stop which happens to be through the commercial district...



As she arrives at the bus stop, she has to wait for her bus which finally arrives....



✦ While on the bus, she picks an old fitness magazine off of the seat to sit down....



✦ Almost to school, she looks up from the magazine and notices a number of other girls on the bus...



✦ She finally arrives at school and walks by the bus stop in front of the school...



While in school, she puts her phone in her locker and turns it off and goes to her normal classes including psychology where she has a quiz ...

Sexual Tension Quiz

Author unknown

A. I am a profession that comes in many sizes.
When I'm not well, I drip.
When you blow me, you feel good.
What Am I?

B. I'm spread before I'm eaten.
Your tongue gets me off.
People sometimes lick my nuts.
What Am I?

C. I avoid an erection.
Sometimes big balls hang from me.
I'm called a big teenage.
What Am I?

D. Over 1,000 people went down on me.
I wasn't maden for long.
A big hard thing ripped me open.
What Am I?

She finishes her day, somewhat distracted by many of her classmates...



After school she decides to walk home...on the way she stops at the supermarket to pick up diapers for her baby brother.....



She To let off some steam, she decides to swing through the mall for clothing and sneaker shopping....



She She takes a different route home and walks along the main roadway...



She She makes it home and immediately turns on the television to catch some of her favorite music by youth singers Justin Beiber and Jenna Rose



✦ She then decides to do some homework and she walks by her brother playing video games on the way to her room....



✦ She gets to her room and has to move all of her toys from her bed....



✦ She finally lays down to do her homework, but simultaneously is updating her Facebook profile, texting and checking out YouTube for the latest Beyonce video....



✦ After finishing her homework, she settles in to watch her favorite reality shows before going to bed....



✦ It's late....her cell phone just finished charging and she checks her Facebook contacts one last time before falling peacefully to sleep...



Estimated - girls 11 to 14 are subjected to some **500** advertisements a day.

Generation Diva - How our obsession with beauty is changing our kids, Newsweek: Jessica Bennett (2009)

Why does this matter?

- Technology has enabled anyone to communicate directly with youth **uncensored and unmonitored**
 - Enormous amounts of time online and on their cell phones.
- 22% of teens say that technology makes them personally *more forward and aggressive*, encouraging them to *project sexy personas*.
- What about sexuality??

Influence and sexualization

- A child is “sexualized” when they believe their value lies only in beauty and sexual appeal.
- Beliefs are imposed by outside forces
- If youth are identifying and acting out sexualized roles coming from the world outside them, **early sexualization is occurring**.

What Are We Doing to Girls? The Early Sexualization Phenomenon and How Communities Are Responding (2011), New England Network for Child, Youth & Family Services.

Increased media content

- 2005 - young people averaged **nearly 6½ hours a day** with media.
 - Multi-tasking = equivalent more than 8½ Over the past five years, young people have increased the
- 2010 – young people averaged **7:38 per day/7 days a week**.
 - Multi-tasking = equivalent of 10:45 minutes
- An increase of almost 2¼ hours of media exposure per day over the past five years.**

GENERATION M2 Media in the Lives of 8- to 18-Year-Olds, A Kaiser Family Foundation Study, (2010)

Influences...and the result?

✿ 2009 Newsweek article:

- 43% of 6- to 9-year-olds use lipstick or lip-gloss;
- 38% use hairstyling products;
- 12% use other cosmetics.
- **8- to 12-year-olds spend more than \$40 million a month on beauty products.**



Generation Diva - How our obsession with beauty is changing our kids, Newsweek: Jessica Bennett (2009)

✿ 2004 study - 42% of first- to third-grade girls want to be thinner

✿ 81% of 10-year-olds are afraid of getting fat.

✿ **Pole-dancing classes** for children are popping up in the UK and Australia.

✿ Mass marketing of sexually suggestive clothing, dolls, and toys specifically marketed towards young girls.

- Parental role via purchasing sexually suggestive items?



Generation Diva - How our obsession with beauty is changing our kids, Newsweek: Jessica Bennett (2009)

Biological Influences...not media alone

"Girls ...appear to be reaching puberty at younger ages than in previous generations...changes may be linked to obesity, to hormonal changes linked to the food we ingest, or to chemical toxin exposure."

✿ Secondary sex characteristics:

- pubic hair or breast growth before age 8
- onset of menstruation before age 9
- at least 1 in 5,000 U.S. children, and the rate is on the rise

✿ Breast "budding" and growth of pubic hair now **common among 7-, 8- and 9-year-old girls**

Puberty Before Age 10: A New 'Normal'? - www.mercola.com, Dr. Mercola (2012)

Sexual Contact earlier?

- ✦ **13% of teens** have had sex by age 15
- ✦ In 2006–2008, the proportion of never-married females aged 15–19 who had ever had sexual intercourse was **42%**.
- ✦ High school students - **47.4%** had ever had sexual intercourse
 - ◆ **15.3%** had had sex with four or more people during their life

Teenagers in the United States: sexual activity, contraceptive use, and childbearing, National Survey of Family Growth 2006–2008, Vital and Health Statistics, 2010, Series 23, No. 30.

Sexual Risk Behavior: HIV, STD, & Teen Pregnancy Prevention - Centers for Disease Control and Prevention (2011).

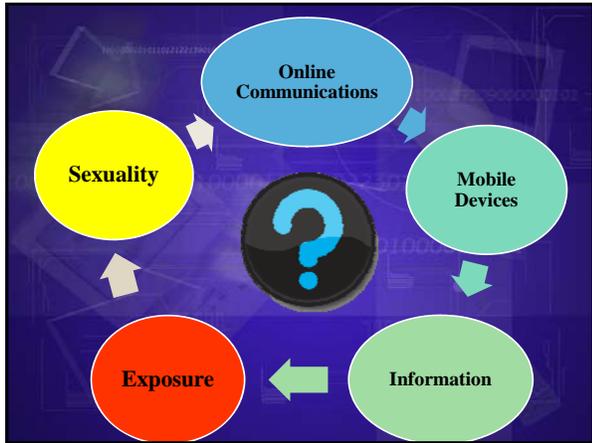
Investigative Observations...

- ✦ Statutory minimum age 16 (or 15/18)
- ✦ Investigators have observed a steady decrease in the age of partners engaged in “*consensual*” sexual contact in the past decade.
- ✦ Many cases involving consensual sexual contact (oral/genital, etc.) with middle school aged youth both at school, home, other.
- ✦ **Recent case with 12 year old female sexually active with 18 year old college freshman**

Investigative Observations...

- ✦ Type and frequency of sexual contact has increased
 - ✦ Oral sex, anal sex, bondage
 - ✦ Simulated rape,
- ✦ A number of cases recently involving **MULTIPLE** sex partners at same time (12 year old girls).

This is LEARNED behavior...where is it being learned? Taught?



What does this all mean?

For Investigators:

- Critical to understand communications used
- Vital sources of evidence in your cases
- Case does not end at arrest
- Opening Pandora's Box!
- How is/has the information been used by victim? By suspect?
- Understand impact of exposure/sexualization (*compliant victimization*)

What does this all mean?

For Advocates:

- Critical to understand the impacts of an investigation on victim
- Victim may communicate about case?
 - How might venues be utilized post arrest/during trial, etc.?
- Communication with victims about information and impact on self/case.
- Understand impact of exposure/sexualization (*compliant victimization*)

What does this all mean?

For Prosecutors:

- Critical to understand communications used
- Vital sources of evidence in your cases
- Case does not end at arrest
- How was information used by victim? By suspect?
- Understand impact of exposure/sexualization (*compliant victimization*)

Sexuality, Sexting, Cyberstalking, Cyberbullying

- Information, images, actions....
 - Cannot be looked at independently/in a vacuum
- Separate yet intertwined
- Difficult waters to navigate

The Internet
Doesn't
Forget!!!

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References

- ✦ Pew Research Center's Internet & American Life Project, "*Teens, Kindness and Cruelty on Social Network Sites How American teens navigate the new world of "digital citizenship"*" (November 2011).
- ✦ *What Are We Doing to Girls? The Early Sexualization Phenomenon and How Communities Are Responding* (2011), New England Network for Child, Youth & Family Services.
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- ✦ *Generation Diva - How our obsession with beauty is changing our kids*, Newsweek: Jessica Bennett (2009)
- ✦ *Puberty Before Age 10: A New 'Normal'?* – www.mercola.com, Dr. Mercola (2012)
- ✦ *Teenagers in the United States: sexual activity, contraceptive use, and childbearing*, National Survey of Family Growth 2006–2008, by Joyce C. Abma, Ph.D., Gladys M. Martinez, Ph.D., and Casey E. Copen, Ph.D., Division of Vital Statistics .

References

- ✦ *Sexual Risk Behavior: HIV, STD, & Teen Pregnancy Prevention* - Centers for Disease Control and Prevention (2011).
- ✦ *Teenagers: A Generation Unplugged* - A National Survey by CTIA–The Wireless Association® and Harris Interactive - September 2008.
- ✦ National campaign to Prevent Teen and Unplanned Pregnancy – "*Sex and Tech: Results from a Survey of Teens and Young Adults*" (2008)
- ✦ *Cyberbullying Research Summary – The Changing Nature of Online Social Networking* – Sameer Hinduja, Ph.D. and Justin W. Patchin, Ph.D.
- ✦ *Cyberbullying Research Summary – Cyberbullying and Suicide* – Sameer Hinduja, Ph.D. and Justin W. Patchin, Ph.D.
- ✦ *Cyberbullying Identification, Prevention and Response* – Sameer Hinduja, Ph.D. and Justin W. Patchin, Ph.D.
- ✦ *i-SAFE America survey of students nationwide – 2003-2004* – i-SAFE America
- ✦ *Sexting & Youth: Achieving a Rational Response* - Nancy Willard, M.S., J.D.1 Center for Safe and Responsible Internet Use

References

- ⌘ [Electronic Dating Violence and Teens](#) – 2010 - Cyberbullying research Center 2010 – Sameer Hinduja, Ph.D. and Justin W. Patchin, Ph.D.
- ⌘ [Tech Abuse in Teen Relationships Study](#) - January 2007 – Liz Claiborne Inc.
- ⌘ [MTV-AP. Digital Abuse Study](#): MTV Networks; 2009.

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