



ADOLESCENT MEDICINE TRIALS NETWORK
FOR HIV/AIDS INTERVENTIONS



NEXTchoices: Changing the next generation of drugs

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Background and Project Overview

HIV/AIDS

- × HIV is a viral disease that attacks the body's immune system, inherently compromising it until the body can no longer fight off infections and disease. When HIV reaches its most severe phase, it is called AIDS.
- × Is a persistent public health issue largely affecting MSM and ethnic/racial minorities.
- × Prevention tools
 - × Condoms
 - × Testing
 - × Prep/ Pep

PrEP vs. PEP

PrEP and PEP are methods for preventing HIV infection that involve taking HIV medicines. When you take steps to protect yourself against a disease, like HIV, it's called prophylaxis.

PrEP and PEP are for people who don't have HIV, but are at risk of getting it.

PrEP stands for pre-exposure prophylaxis.

What's it called?

PEP stands for post-exposure prophylaxis.

Before HIV exposure.

PrEP is taken every day, before possible exposure.

When is it taken?

After HIV exposure.

In emergency situations, PEP is taken within 72 hours (3 days) after possible exposure.

PrEP is for people who don't have HIV and:

- have a sex partner with HIV
- have sex with people whose HIV status is unknown
- share injection drug equipment

Who's it for?

PEP is for people who don't have HIV but may have been exposed:

- during sex
- at work through a needlestick or other injury
- by sharing injection drug equipment
- during a sexual assault

PrEP can reduce the risk of getting HIV from sex by more than 90% and from injection drug use by more than 70%.

How effective is it?

PEP can prevent HIV infection when taken correctly, but it is not always effective.

Start PEP as soon as possible to give it the best chance of working.

Talk to your health care provider about whether a prescription for PrEP or PEP is right for you.

AIDSinfo

Source:

<http://www.prevention.nyc/what-is-the-difference-between-prep-and-peg/>

Prep Adherence

- × When properly adhered to, **Prep is 99% effective** in preventing HIV transmission.
- × Prep was recently approved for youth and young adults (Ages 13 and above).
- × Limited data is available on **youth adherence** but still indicates that it is **low**.

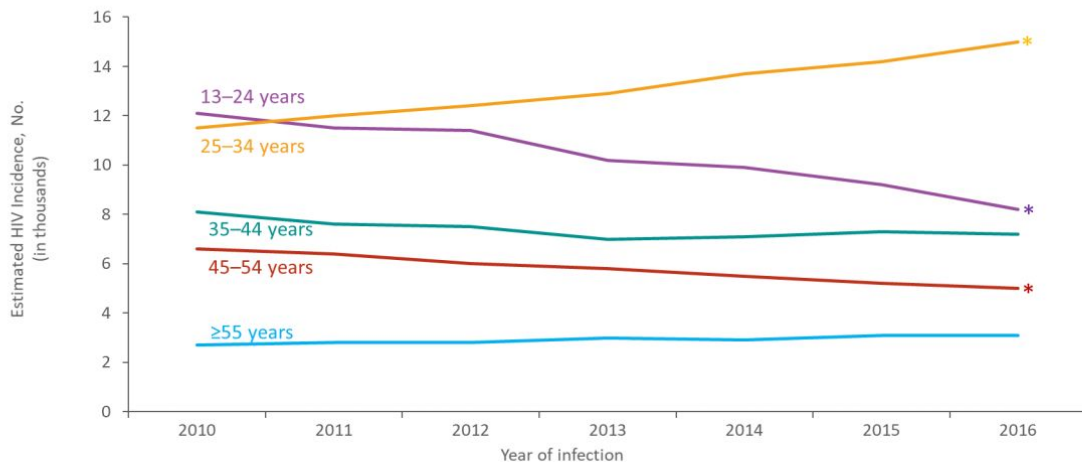


Source: <http://www.aidsmap.com/news/may-2018/prep-approved-adolescents-us>

Image retrieved from : https://miro.medium.com/max/360/0*L12SiHTnXzY2Chny.

HIV Disproportionately Affects Youth and Young Adults

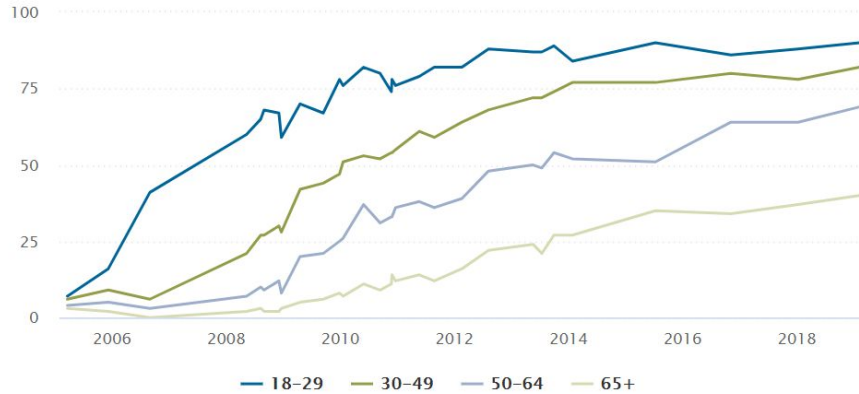
Estimated HIV Incidence among Persons Aged ≥ 13 Years, by Age
2010–2016—United States



Note. Estimates were derived from a CD4 depletion model using HIV surveillance data. * Difference from the 2010 estimate was deemed statistically significant ($P < .05$).

Social Media Use Among Youth

% of U.S. adults who use at least one social media site, by age



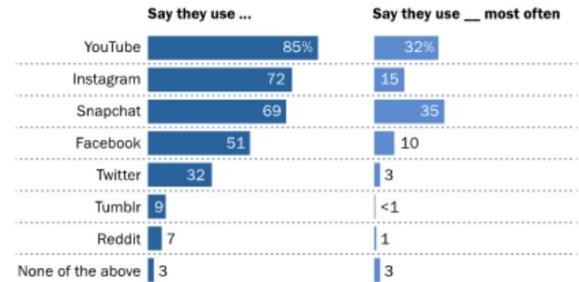
Source: Surveys conducted 2005-2019.

PEW RESEARCH CENTER

YouTube, Instagram and Snapchat are the most popular online platforms among teens

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% of U.S. teens who ...



Note: Figures in first column add to more than 100% because multiple responses were allowed. Question about most-used site was asked only of respondents who use multiple sites; results have been recalculated to include those who use only one site. Respondents who did not give an answer are not shown.

Source: Survey conducted March 7-April 10, 2018.

"Teens, Social Media & Technology 2018"

PEW RESEARCH CENTER

Youth and young adult make up the majority of social media user population

Source: PEW Research Center

Significance of the Study

- × Scientists are working on developing and testing the next generation of Prep formulations
- × Different modalities could help increase Prep uptake and adherence
- × Limitations exist in testing these modalities with youth
 - × Minors

It is important that the next generation of prophylactic drugs are designed to **not just be efficacious** in their use, but **also tailored to the behavioral fit** of their intended users

Project Primary Aim

1. Content analyze social media content to describe youth and young adult discussion of behaviorally-congruent behaviors related to HIV prevention (douching, HIV/STI testing, prep)
2. Use this data to improve ability to communicate with youth about the next generation of biomedical prevention

Methods

- × Pooled youth and young adult Twitter posts using an algorithm
- × Developed list of Keywords with inclusions and exclusions
- × Exploratory search on four separate platforms (Facebook, Youtube, Instagram, and Tumblr)
- × Determined relevance of keywords
- × Coded posts across platforms (Twitter, Facebook, Reddit, Instagram, Youtube, and Tumblr) using set themes and parameters
- × Data Analysis

Key Terms

Green (Highly Relevant)

- × PrEP
- × Truvada
- × PEP
- × Post exposure prophylaxis
- × HPV shot
- × HPV vaccine
- × Ring (Nuvaring)
- × Patch (additions)
- × Pill (additions)
- × Implant/Implantable (additions)
- × Depo/depo provera (additions)
- × UequalsU (not a lot of results, but are always relevant when they are present)
- × HIV test
- × AIDS test

"So round zis time last year i started taking bc, and z pills were very small. After i took a pill it would seem stuck in my throat, so I tried evryth 2 try to get it down. I reassured myself that they dissolved, and I'm sure they did. But now it is 11 months later and they're still feels like there is air stuck down there? What gives?"

”

*“ It might be eazier 4 me to contextualize bcoz I can understand it from a gay sex POV too with prep. Kids and HIV are both shiit ur stuck with 4 life from goin in raw with the wrong one. If a gay dude says he’s on prep, U don’t hav to trust it the way U hav to trust a chick on birth control. *YOU* can be on prep 2. Goin in raw with a dude who SAYS he is on prep is not as worrisome if U’re on it 2 bcoz it doesn’t matter if he lied. U’re covered. That’s extra comfort n insurance. ”*

”

Key Terms

Yellow (Somewhat Relevant)

- × Vaccines
- × #TruvadaWhore
- × Morning after pill
- × “Getting a shot”
- × Flu shot
- × Enema
- × Hormone/hormones
- × Filler
- × Douching



“Hormonal changes [from PMS] is not a reason to lose control of your emotions.”

— My Mother

Repost this comment if you disagree.

#quote #quotes #me in real life #anger #pms

4 notes May 25th, 2019



Fears about going on T...

Here are my list of fears about going on T.

- I'll regret it. (Even though I'm certain its what I want like wtf.)
- I'll go bald.
- All my T shots will hurt.
- People will see me differently.
- I'll end up getting angry all the time because of the hormones.
- My parents will use T as a reward and so if I do anything wrong I'll get it taken off me.
- I'll do my injection wrong and end up getting like a blood clot in my leg.

I don't know like entirely but thats the main things.

#fears #testosterone #trans #transgender

89 notes



Key Terms

Red (Least Relevant)

- × Ritalin
- × Adderall
- × Percocet/Vico
- × Gel
- × Vaseline
- × Lube
- × Cleaning out
- × Episodic
- × On demand
- × Systemic
- × Extended release
- × Long acting
- × Injectable



To understand racism you need to understand power dynamics.

To understand sexism you need to understand power dynamics.

To understand poverty you need to understand power dynamics.

To understand power dynamics you need to listen and believe the stories of the powerless.

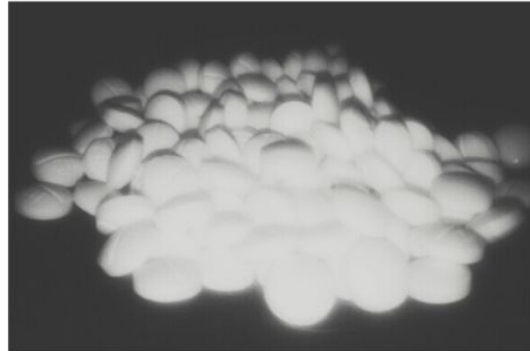


17 likes
3 DAYS AGO



Magic Solution

I love you perc



I was today years old when I realized that the caps on medicine bottles are actually serving sizes...



I used this method with adderall and im currently cutting my grass with scissors

Preliminary Findings

1. When it comes to medications, people are more concerned about efficacy and side effects than the modality itself.
2. When it comes to platforms, people use:
 - × Twitter to complain
 - × Reddit to express concerns and ask for advice
 - × Tumblr to share random pictures, thoughts, ideas and concerns (mainly creativity)
 - × YouTube for comparisons between modalities and user experience
 - × Instagram for sharing pictures and memes
 - × Facebook is used by an older audience

Next Steps

- × Complete data analysis
- × Summarize findings
- × Use findings to develop a survey

My Role

- × Attended weekly meetings
- × Digital data mining
- × Qualitative coding
- × Data Analysis/preparing summaries
- × Presenting findings to remote team

Lessons Learned

- × How to work as part of a research team
- × The importance of voicing ideas and questions (even when they don't seem that great)
- × Dedoose
- × How social media can be used to solve public health issues
- × How to conduct exploratory research

Acknowledgements

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SUMR 2019



Thanks!
Any questions?