Cases from the Perinatal HIV Hotline

Contraception, Preconception, and Conception

Christine Pecci, MD
Lealah Pollock, MD, MS, AAHIVS
Clinician Consultation Center, UCSF
Objectives

• To encourage all clinicians to ask their patients what their fertility desires are
• To list contraceptive options and describe why avoiding unplanned pregnancy is important in women living with HIV or at risk for HIV
• To describe preconception care in the context of HIV, minimizing risk of transmission to partner and infant
Case # 1

26 yo perinatally infected female, h/o nonadherence to treatment. Takes sporadic doses during the week and then doesn’t take meds on weekend. Has never been fully suppressed. Now back in care, wants to be more adherent.

Last labs: CD4: 50; VL: 18,150
Poll # 1  
(Multiple choice)

Case Details

26 yo perinatally infected female, h/o nonadherence to treatment. Takes sporadic doses during the week and then doesn’t take meds on weekend. Has never been fully suppressed. Now back in care, wants to be more adherent.

Last labs: CD4: 50; VL: 18,150

Do you discuss reproductive health and how? (Choose one)

A. No, focus on adherence and discuss later

B. No, I assume she’s using condoms

C. Yes, ask if she’s interested in contraception

D. Yes, ask if she is thinking about pregnancy

E. Other
Establish reproductive desires

- **WHO?**
  - Every reproductive-aged woman and man
  - Even if they do not have a current sexual partner

- **WHEN?**
  - At initial evaluation
  - Intervals throughout the course of care
Case #2

30 yo man with HIV and DM2, diagnosed with HIV 4/2007, on ARVs, takes inconsistently, CD4 294, VL 5717. His partner is a 28 yo G0P0 healthy female, HIV negative.

They have been together for 11 years, they have been using condoms since his diagnosis, and they want a baby.
Poll #2 (multiple choice)

Case Details
30 yo man with HIV and DM2, diagnosed with HIV 4/2007, on ARVs, takes inconsistently, CD4 294, VL 5717. His partner is a 28 yo G0P0 healthy female, HIV negative. They have been together for 11 years, they have been using condoms since his diagnosis, and they want a baby.

Which statement best represents your feelings about this couple’s desire to have a baby? (Choose one)

A. I feel angry. How can they take the risk of her becoming infected with HIV and having an HIV+ child?
B. I don’t like it, but I think it is their choice
C. I really need to think about it
D. I think I should do everything I can to help them do this safely
Email survey of 4831 US adults

Few Americans believe that HIV+ women should have children.

% Yes

- HIV+: 14% Yes, 12% No, 16% Not sure, 59% Don't know
- Cancer: 59% Yes, 58% No, 61% Not sure
- Depression: 46% Yes, 47% No, 61% Not sure
- Multiple sclerosis: 37% Yes, 34% No, 41% Not sure
- Hepatitis C: 20% Yes, 19% No, 21% Not sure
- Down’s syndrome: 19% Yes, 17% No, 19% Not sure
- Schizophrenia: 17% Yes, 18% No, 22% Not sure

Base: All Respondents (N varies)
Q555 In your opinion, should a woman with any of the following conditions have children?
Response Options: 1 = Yes, 2 = No, 3 = Not sure, 9 = Decline to answer
*Note: reduced base with “Decline to answer” excluded

www.amfar.org
Importance of preconception care

- Women and men living with HIV want to have children.
- Women living with HIV want to talk about their fertility desires, but medical providers aren’t asking!
- Many pregnancies among HIV-infected women are unintended.
- Contraception is under utilized.
- Women and men face barriers related to stigma and conception with sero-different partners
- Preconception counseling and care not addressed proactively
- Reproductive health care often not a priority for patients or providers
Goals of preconception care in the context of HIV infection

• Prevent unintended pregnancy
• Prevent HIV transmission to partner
• Optimize maternal & paternal health
• Improve maternal and fetal outcomes
• Prevent perinatal HIV transmission

ACOG Practice Bulletin No. 167; Oct, 2016
What if your patient doesn’t want children now?

CONTRACEPTION
Pregnancies by Intention Status

Nearly half of U.S. pregnancies are unintended.

- 55% Intended
- 27% Mistimed
- 18% Unwanted

www.guttmacher.org
Case #3

HIV positive woman has been on Striβild x 3 months with the first repeat and current viral load undetectable and a CD4 cell count of 83. She has an HIV negative male partner. Both admit that they want to have sex without a condom. In addition, the female does not want to become pregnant. The caller wants to know which contraceptive to recommend with Striβild. Since CD4 very low would female pt be at risk for increased infection if an IUD is used?
Poll #3
(multiple choice)

Case Details
HIV positive woman has been on Stribild x 3 months with the first repeat and current viral load undetectable and a CD4 cell count of 83. She has an HIV negative male partner. Both admit that they want to have sex without a condom. In addition, the female does not want to become pregnant. The caller wants to know which contraceptive to recommend with Stribild. Since CD4 very low would female pt be at risk for increased infection if an IUD is used?

Which method of contraception would you recommend in this patient? (choose one)
A. IUD
B. Nexplanon
C. Oral contraceptive pills
D. Depo Provera ("the shot")
E. Condoms
F. Any of the above
Contraceptive counseling

• What method does she want to use?

• What is important to her in choosing a contraceptive method?

• What has she heard from her friends?

• The most effective form of contraception is the one she will use!
Most Effective

- Implant
  - Less than 1 pregnancy per 100 women in a year
  - 0.05%

- Reversible Intrauterine Device (IUD)
  - LNG - 0.2%
  - Copper T - 0.8%

- Male Sterilization (Vasectomy)
  - 0.15%

- Permanent Female Sterilization
  - Abdominal, Laparoscopic, Hysteroscopic
  - 0.5%

How to make your method most effective

- After procedure, little or nothing to do or remember.
- Vasectomy and hysteroscopic sterilization: Use another method for first 3 months.

Injectable

- Injectable: Get repeat injections on time.

Pill

- Pills: Take a pill each day.

Patch

- Patch, Ring: Keep in place, change on time.

Diaphragm

- Diaphragm: Use correctly every time you have sex.

6-12 pregnancies per 100 women in a year

- Male Condom
  - 18%
- Female Condom
  - 21%
- Withdrawal
  - 22%
- Sponge
  - 24% parous women
  - 12% nulliparous women

18 or more pregnancies per 100 women in a year

- Fertility-Awareness Based Methods
  - Fertility-Awareness Based Methods
  - Spermicide
  - JANUARY
    - 1 2 3 4 5 6
    - 7 8 9 10 11 12
    - 13 14 15 16 17 18
    - 19 20 21 22 23 24
    - 25 26 27 28 29 30
    - 31 32 33 34 35 36
- Spermicide
  - 28%

CONDOMS SHOULD ALWAYS BE USED TO REDUCE THE RISK OF SEXUALLY TRANSMITTED INFECTIONS.

Other Methods of Contraception

- Lactational Amenorrhea Method: LAM is a highly effective, temporary method of contraception.
- Emergency Contraception: Emergency contraceptive pills or a copper IUD after unprotected intercourse substantially reduces risk of pregnancy.
US Medical Eligibility Criteria for Contraceptive Use

U.S. Medical Eligibility Criteria for Contraceptive Use, 2010
Adapted from the World Health Organization Medical Eligibility Criteria for Contraceptive Use, 4th edition
# US Medical Eligibility Criteria: Categories

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No restriction for the use of the contraceptive method for a woman with that medical condition</td>
</tr>
<tr>
<td>2</td>
<td>Advantages of using the method generally outweigh the theoretical or proven risks</td>
</tr>
<tr>
<td>3</td>
<td>Theoretical or proven risks of the method usually outweigh the advantages – or that there are no other methods that are available or acceptable to the women with that medical condition</td>
</tr>
<tr>
<td>4</td>
<td>Unacceptable health risk if the contraceptive method is used by a woman with that medical condition</td>
</tr>
</tbody>
</table>
HIV and Contraception

All ARVs also listed → all are 1s and 2s except fosamprenavir with combined hormonal contraception
Hormonal contraception and ARVs: The bottom line

• The only drug-drug interaction of clinical concern is etonogestrel (nexplanon) and efavirenz

• More reported contraceptive failures but no concern for decreased therapeutic ART efficacy

• The efficacy is likely closer to OCP typical use when efavirenz and nexplanon are utilized together.
IUDs and HIV

• No evidence of increased HIV transmission or acquisition with IUDs (both copper and LNG)

• No evidence of increased infections even in women with low CD4

Depo and BMD

- BMD decreases by 1-2% per year
- 2004 Black Box Warning FDA: limit to 2 yrs. in young women
- No increased in fracture or osteoporosis risk
- BMD recovers after discontinuation
- Teen pregnancy causes more bone loss than teen Depo Provera use

What if your patient might want children in the future?
Preconception counseling

- When patient expresses interest in conceiving
- If there is nonuse/inadequate use of effective contraception
- When a change in relationship or personal circumstances occurs
Optimize preconception health

Screen for:
- Syphilis, HIV, STIs
- Fertility issues

Refer for:
- Genetic screening, based on history
- Contraception, as needed, to delay pregnancy while health issues are addressed

Counsel on avoiding harmful substances (drugs, Etoh, meds)

Provide:
- Folic acid 400 mcg daily
- Immunizations, as needed, for:
  - Hepatitis B
  - Rubella
  - Varicella
  - Influenza
- Assistance with partner disclosure if needed or desired
Preconception counseling

HIV+ FEMALE
Case #4

39 y/o HIV+ woman virologically suppressed on Triumeq. Last DEPO shot 3 mos ago, now desires pregnancy. Partner's HIV status unknown, doesn't think pt has disclosed to partner. Would like to continue pt on Triumeq given tolerating well, low pill burden, and VL UD. Has been on TRV + DRV/r, but didn't tolerate well, reported vague sx$s$. 
Q: Continue on Triumeq if plan to conceive and during pregnancy? (Choose one)
A. Yes
B. No
C. Discuss with patient

Case Details

39 y/o HIV+ woman virologically suppressed on Triumeq. Last DEPO shot 3 mos ago, now desires pregnancy. Partner's HIV status unknown, doesn't think pt has disclosed to partner. Would like to continue pt on Triumeq given tolerating well, low pill burden, and VL UD. Has been on TRV + DRV/r, but didn't tolerate well, reported vague sx's.
Preferred Regimens in Pregnant Women

ABC/3TC or TDF/FTC

- ATV/r
  - Increase dose in 2\textsuperscript{nd} and 3\textsuperscript{rd} trimester
- DRV/r
- RAL
  - Dose BID
Alternative Regimens in Pregnant Women

- ZDV/3TC
  - LPV/r: Okay to start at any time
  - EFV: Okay to start at any time
  - RPV: Avoid if CD4 <200 or VL >100K
Insufficient Data to Recommend

- COBI: Limited data on use of COBI in pregnancy.
- DTG: Limited data on use of DTG in pregnancy.
- EVG: Limited data on use of EVG in pregnancy.
- TAF: No data on use of TAF in pregnancy.
- FPV: Limited data on use in pregnancy.
- MVC: MVC requires tropism testing before use. Few case reports of use in pregnancy.
What if she’s not a “recommended” regimen?

“In most cases, women who present for obstetric care on fully suppressive ARV regimens should continue their current regimens.”

The only drugs that should be stopped due to toxicity: D4T, DDI, and RTV as single PI

DHHS Perinatal HIV Guidelines
Preconception counseling

HIV- FEMALE AT RISK FOR HIV
Remember this couple?
30 yo man with HIV and DM2, diagnosed with HIV 4/2007, on ARVs, takes inconsistently, CD4 294, VL 5717. Female partner does not have HIV. They want to have a baby.
Poll #5 (Multiple answers)

Case Details

Remember this couple?
30 yo man with HIV and DM2, diagnosed with HIV 4/2007, on ARVs, takes inconsistently, CD4 294, VL 5717. Female partner does not have HIV. They want to have a baby.

Q: Do you focus on viral suppression for Raul, PrEP for Emilia, both, or something else? (choose all that apply)

A. Focus on viral suppression for Raul
B. Focus on PrEP for Emilia
C. Encourage consistent condom use
D. Something else
Key Prevention Studies

- Behavior Change (Explore, 10 sessions among MSM)
  - 1% TDF vaginal gel (CAPRISA 004)
  - 1% TDF vaginal gel, (VOICE)

- TDF/FTC oral-PrEP in MSM (iPrEx)
- TDF/FTC oral PrEP in hetero (TDF2)
- TDF/FTC oral PrEP in women (FEM-PrEP)
- TDF/FTC oral PrEP in SDC (Partners PrEP)
- TDF/FTC or TDF oral in women (VOICE)
- Early ART in SDC couples (HIV+)
  (HPTN 052)

<table>
<thead>
<tr>
<th>Study</th>
<th>Efficacy (CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1% TDF vaginal gel</td>
<td>18% (-5, 36)</td>
</tr>
<tr>
<td>1% TDF vaginal gel, (VOICE)</td>
<td>39% (6, 60)</td>
</tr>
<tr>
<td>TDF/FTC oral-PrEP in MSM (iPrEx)</td>
<td>44% (15, 63)</td>
</tr>
<tr>
<td>TDF/FTC oral PrEP in hetero (TDF2)</td>
<td>63% (22, 83)</td>
</tr>
<tr>
<td>TDF/FTC oral PrEP in women (FEM-PrEP)</td>
<td></td>
</tr>
<tr>
<td>TDF/FTC oral PrEP in SDC (Partners PrEP)</td>
<td></td>
</tr>
<tr>
<td>TDF/FTC or TDF oral in women (VOICE)</td>
<td></td>
</tr>
<tr>
<td>Early ART in SDC couples (HIV+) (HPTN 052)</td>
<td>96% (73, 99)</td>
</tr>
</tbody>
</table>
What if your patient wants to have children now?

SAFER CONCEPTION
Case #5

38 yo G3P3 female with a new male partner for the last year who is HIV+. Couple uses nonlatex condoms. They are coming in for a consultation regarding planning pregnancy.
Poll #6 (Multiple answers)

Case Details

38 yo G3P3 female with a new male partner for the last year who is HIV+. Couple uses nonlatex condoms. They are coming in for a consultation regarding planning pregnancy.

Q: What are their options for conception? (Choose all that apply)

A. Stop using condoms
B. VL suppression for the HIV+ partner
C. Condomless sex around the time of ovulation
D. PrEP for the HIV- partner
E. Sperm washing
F. Don’t forget STI testing!
G. Donor sperm or adoption
# Strategies to reduce periconception risk of HIV transmission for sero-different couples

<table>
<thead>
<tr>
<th>Couple</th>
<th>Method</th>
<th>Estimated risk reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Either partner infected, pursuing sex without condoms for pregnancy + adjunct risk reduction strategies (goal: ↓ sexual transmission)</td>
<td>Sex without condoms limited to peak fertility</td>
<td>Unknown</td>
</tr>
<tr>
<td></td>
<td>ART for the infected partner</td>
<td>96%+</td>
</tr>
<tr>
<td></td>
<td>PrEP for the uninfected partner</td>
<td>75%+</td>
</tr>
<tr>
<td></td>
<td>Post-exposure prophylaxis (PEP) for the uninfected partner</td>
<td>Unknown</td>
</tr>
<tr>
<td></td>
<td>Treatment of STI's</td>
<td>≤40%</td>
</tr>
<tr>
<td>F + M- (goal: ↓ female to male transmission)</td>
<td>Manual self insemination</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td>Medical male circumcision</td>
<td>66%</td>
</tr>
<tr>
<td>M + F- (goal: ↓ male to female transmission)</td>
<td>Sperm washing</td>
<td>~100%</td>
</tr>
</tbody>
</table>

Matthews LT et al. Consensus statement: Supporting Safer Conception and Pregnancy For Men And Women Living with and Affected by HIV. AIDS Behav. 2017;1–12.
Combining ART+PrEP: Modeling

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Optimal = timed condomless sex</th>
<th>Optimal</th>
<th>Suboptimal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No ART or PrEP</td>
<td>PrEP</td>
<td>ART</td>
</tr>
<tr>
<td>Female remains HIV-uninfected and has a child (successful outcome)</td>
<td>26.9</td>
<td>28.3</td>
<td>29.1</td>
</tr>
<tr>
<td>Female becomes HIV-infected and does not have a child (unsuccessful outcome)</td>
<td>7.1</td>
<td>7.7</td>
<td>0.4</td>
</tr>
<tr>
<td>Female becomes HIV-infected and has an HIV-uninfected child</td>
<td>2.0</td>
<td>0.8</td>
<td>0.1</td>
</tr>
<tr>
<td>Female becomes HIV-infected and has an HIV-infected child</td>
<td>0.4</td>
<td>0.2</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Female remains HIV-uninfected but does not have a child</td>
<td>66.3</td>
<td>69.0</td>
<td>70.5</td>
</tr>
</tbody>
</table>

**No significant benefit to addition of PrEP for HIV- female to ART for HIV+ male**

What is the benefit of PrEP?

• Not all patients with HIV are willing to take ART
• Not all patients are adherent to ART
• Sometimes regimens fail
• PrEP is controlled by the HIV- partner: Psychological benefit?
CONCEPTION OPTIONS WITHOUT CONDOMLESS SEX

HIV+ female/HIV- male
Vaginal Insemination: Zero risk of HIV transmission

#1: Ovulation detection
#2: Semen collected into condom or clean cup
#3: Semen aspirated into needleless syringe
#4: Vaginal insemination by her or partner
Vaginal Insemination
Ovulation predictor kits
HIV+ male/HIV- female

CONCEPTION OPTIONS
WITHOUT CONDOMLESS SEX
## Sperm washing

<table>
<thead>
<tr>
<th>Components</th>
<th>HIV present?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spermatozoa</td>
<td>NO</td>
</tr>
<tr>
<td>Seminal fluid</td>
<td>possible</td>
</tr>
<tr>
<td>Non-sperm cells (wbc)</td>
<td>possible</td>
</tr>
</tbody>
</table>

- **Spermatozoa**
  - No CD4, CCR5 and CXCR4 receptors
  - Electron microscopy suggesting HIV viral particles in sperm not replicated

Baccetti J Cell Biol 1994
What is done with washed sperm?

• Intrauterine Insemination (IUI)
  – Europe/Israel (CREAThE), South America
  – 7 US clinics willing to offer SW-IUI
• In-vitro fertilization (IVF)
• Intracytoplasmic sperm injection (ICSI)
Best Practice for HIV clinicians?

• Ask about partners and their status
• Ask about reproductive desires
• Open practice to HIV-negative, at-risk adults (testing, prevention counseling, PrEP)
• Ensure linkage to care if unable to provide services on-site
The Clinician Consultation Center is a free telephone advice service for clinicians by clinicians. Receive expert clinical advice on HIV, PrEP, PEP, hepatitis C, substance use and perinatal HIV.

See [nccc.ucsf.edu](http://nccc.ucsf.edu) for more information.

<table>
<thead>
<tr>
<th>Service</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIV/AIDS Warline</td>
<td>800-933-3413</td>
<td>HIV testing, ARV decisions, complications, and co-morbidities</td>
</tr>
<tr>
<td>Perinatal HIV Hotline</td>
<td>888-448-8765</td>
<td>Pregnant women with HIV or at-risk for HIV &amp; their infants</td>
</tr>
<tr>
<td>Hepatitis C Warline*</td>
<td>844-HEP-INFO</td>
<td>HCV testing, monitoring, treatment</td>
</tr>
<tr>
<td></td>
<td>* For IHS only</td>
<td></td>
</tr>
<tr>
<td>PrEPline</td>
<td>855-HIV-PrEP</td>
<td>Pre-exposure prophylaxis for persons at risk for HIV</td>
</tr>
<tr>
<td>Substance Use Warline</td>
<td>855-300-3595</td>
<td>Substance use evaluation and management</td>
</tr>
<tr>
<td>PEPline</td>
<td>888-448-4911</td>
<td>Occupational &amp; non-occupational exposure management</td>
</tr>
</tbody>
</table>
Meet our Woman and Child Health Team!

Deborah Cohan, MD, MPH
Dr. Deborah Cohan, an OB/GYN, specializes in the care of pregnant women with HIV. She runs the UCSF Perinatal HIV Clinic as part of the Women’s HIV Program at UCSF and is medical director of the Bay Area Perinatal AIDS Center (BAPAC) at Zuckerberg San Francisco General Hospital.

Christine Pecci, MD
Dr. Christine Pecci is an Associate Clinical Professor in the Dept. of Family and Community Medicine at UCSF and is a consultant for the Perinatal HIV Hotline. She completed her family medicine residency at Thomas Jefferson University and has done additional training in obstetrics at George Washington University and the University of Rochester. She has a specific interest in maternity care.

Lealah Pollock, MD
Dr. Lealah Pollock is the director of the National Perinatal HIV Consultation and Referral Service and an Assistant Professor in the Dept. of Family and Community Medicine at UCSF. She has a particular interest in contraception and pre-conception counseling for women living with HIV.

Pooja Mittal, DO
Dr. Mittal was the Site Director of Maternal and Child Health in the Department of Family and Community Medicine at UCSF. Her interests include Maternal Child Health, Well Child Care, and Quality Improvement in Prenatal Care. Her research interests include Centering Parenting and Preconception Care. She was the Medical Director of the Prenatal Partnership Program. The most important part of her faculty position is being able to mentor students and residents.
PERINATAL TEAM (cont.)

**Judy Levison, MD**
Dr. Judy Levison is an OB/GYN at Baylor College of Medicine. Since 2002, Dr. Levison has coordinated the Harris Health System Women’s Program obstetric and gynecologic care for HIV-positive women. Dr. Levison also educates Texas health care workers about the diagnosis and management of HIV as well as teaching medical students and residents. She currently serves on the Perinatal HIV Guidelines Committee.

**Lisa Rahangdale, MD, MPH**
Dr. Rahangdale is an associate professor and medical director of the University of North Carolina Women’s Hospital Gynecology Clinic and medical director of the University of North Carolina Women’s Hospital Dysplasia Clinic in the Department of Obstetrics and Gynecology, University of North Carolina at Chapel Hill.

PEDiatric TEAM (cont.)

**Peter Havens, MD**
Dr. Havens has over 30 years clinical experience treating children, adolescents and young adults with HIV infection. In the early 1990’s, Dr. Haven’s co-founded the Wisconsin HIV Primary Care Network, established to assure that care and treatment would be available for women and their children with HIV and AIDS throughout Wisconsin. He currently serves as Co-Chair of the Pediatric HIV Guidelines Committee.

**Ted Ruel, MD**
Dr. Ruel joined the faculty at UCSF in 2009 as an assistant professor of pediatrics in the Division of Infectious Disease and in the Department of Pediatrics at UCSF. He attends on the inpatient consult service and in the outpatient clinic of the Division of Infectious Diseases at the UCSF Benioff Children’s Hospital. He also serves as a hospitalist and infectious disease consultant in the Department of Pediatrics at UCSF.
a hub of positive reproductive & sexual health

www.hiveonline.org
HIVE presents:

::Hangouts with HIVE::
Reproductive Health for Men Living with HIV

In focus groups conducted with San Francisco men living with HIV who have sex with women:
- Many men expressed the desire to have a child, yet most reported that their providers had not discussed reproduction with them.
- Men conveyed limited awareness of safer conception strategies.
- Participants highlighted the lack of HIV services for men who have sex with women and the need for improved reproductive counseling.

Join in to hear from men’s reproductive health champions as they share tips on integrating sexual & reproductive health conversations into care provision for all men living with HIV.

Join us "live" for a 1-hour discussion via Google+ Hangouts on Air:

Tuesday, June 13th, 2017
1 p.m. PT / 3 p.m. CT / 4 p.m. ET

Our Panel includes:
Rana Chakraborty
Pete Devine
Anthony Sillemom
Brent Sugimoto
Guy Vandenberg
Shannon Weber

Moderated by Yamini Oseguera-Bhatnagar

Register Here
or visit
hiveonline.eventbrite.com

- Have questions for our panelists? Ask them "LIVE" during the event via YouTube comments or text 415.842.2722
- Don’t know what a Hangout with HIVE is? Check out: hiveonline.org/hangouts-with-hive/
- Can’t attend live? Register to receive a link to the archive
- Need more info? Email Yamini at yamini@hiveonline.org