Cases: Hepatitis C Treatment in People who Inject Drugs

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I will discuss the following off-label use in this presentation: Treatment for acute HCV

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Learning Objectives

After attending this presentation, learners will be able to:

- Describe special considerations for HCV treatment for people living with HIV
- Describe special considerations for HCV treatment for people with recent history of drug use

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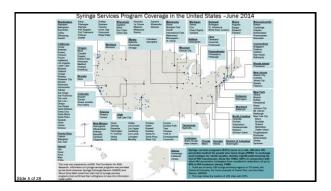
CASE 4 - HCV in PWID

19 Caucasian W recently admitted for skin and soft tissue infection. Noted to have track marks by a medical resident who sees her in ED. She confides that she has recently started injecting heroin after it became too expensive to acquire oxycodone. She has one partner who injects her. Her family is unaware of her drug addiction. She is discharged from ED with antibiotics and while she declines substance abuse treatment referral, she takes information about a harm reduction center.

PMH:

Depression –suicide attempt age, 17

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CASE 4 – cont

She is seen in urgent care for a skin and soft tissue infection. She also reports some malaise. The provider asks about sharing needles and she reports that she has not. (She is injecting in a group setting and had learned it was safest to be the first one to use a syringe but does not think to mention she shared other things).

Labs reveal: HIV 4th gen test - neg HBV sAb+ sAg-HCV Ab positive AST 250 ALT 320 Bili 1.2

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CASE 4 - cont

The urgent care doctor calls her and urges her to see a primary doctor for further HCV RNA testing.

She feels fine and decides she will take care of it the next time she needs to see a doctor. She also knows someone who tried to get treated but insurance did not cover it.

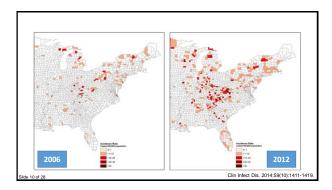
But this news does prompt her to go with a friend to the harm reduction program.

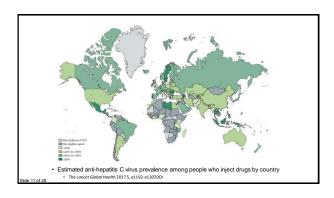
Harm Reduction Kit

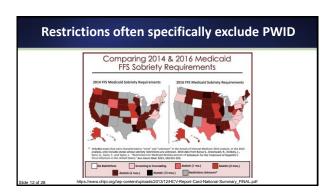


- 1. Clean Bottle for mixing water and bleach.
 2. Bleach to disinfect used syringes when a clean one isn't available.
 3. Bandages to help avoid infection after injecting.
 4. Sterile water to mix the drug with.
 5. Tourniquet to "bit off" above the injection site.
 6. Bottle cap for mixing water with the drug before it's drawn up into the syringe (commonly called 'Tooker').
 7. Cotton balls to trap offict and debrisas the drug, mixed in water, is pulled into the syringe.
 8. Syringes don't come inside the kit but are provided at distribution six washs to clean the injection site before insertion.

Increased injection drug use has shifted HCV demographics







ARS Question: All PWID should be denied HCV treatment because...

- 1. No treatment data with DAAs
- 2. Reinfection rates are too high
- 3. They have low fibrosis levels so does not benefit them
- 4. None of the above

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What is the definition of 'PWID' (people who inject drugs?

- 'PWID' is a subjective term to any person who has ever injected drugs. (once regularly, occasionally, remotely)
- PWID populations
 - "active" or "recent" PWID injected drugs within 1 month to 1 year (definition varies)
- "former" PWID ceased injecting drugs



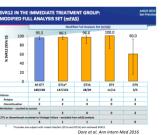
drug dependence, active PWID often move between populatio and may access harm reductio

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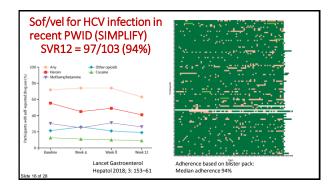
C-EDGE COSTAR – Clinical Trial of patients receiving opiate agonist therapy SYRIZ IN THE IMMEDIATE TREATMENT GROUP:

Treatment naive PWID on opiate agonist therapy for 3 months, keeping 80% of appointments

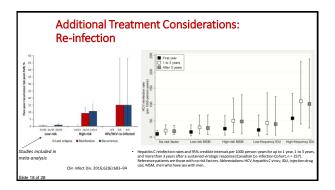
Treated with EBV/GRZ

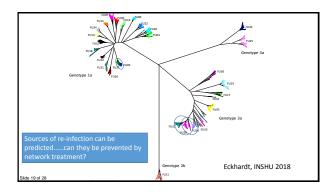


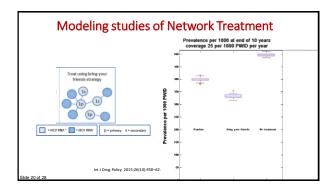
Portland, Maine, October 25, 2018

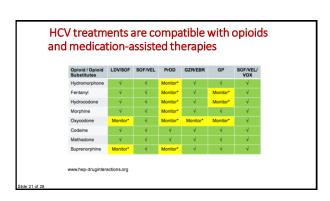


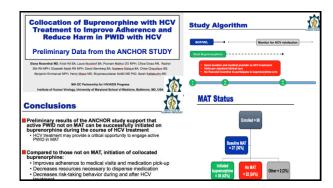
DAA treatment for hepatitis C among people who use or inject drugs: a systematic review and meta-analysis | Number of Number of State of









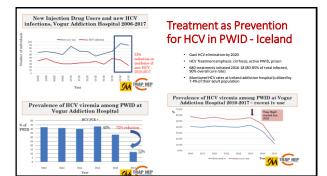


HCV treatments are compatible with other drugs of abuse | LOVISOF | SOF/YEL | PYOD | GZ/NEBR | GP | SOF/YEL |

Models of Treatment Delivery for PWID

- The shift from INF-based therapy to DAA has allowed for increased decentralization of care
- Treatment environments that can provide multi-disciplinary services around addiction, social support, mental health, and re-infection prevention will be essential
- Examples of models being evaluated include:
- integrated primary care facilities
- methadone clinics
- prison

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CONCLUSIONS CASE 4

- DAA therapy is safe and effective among PWID
- HCV reinfection will occur when treating HCV in PWID
- Testing, diagnosis, and linkage to care remain a significant barrier that must be addressed
- Simplification of models of care will be essential to achieve HCV elimination in PWID

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Resources - HCVguidelines.org - nynjaetc.org - http://www.hep-druginteractions.org THANK YOU COIDERS THE STUDY OF THE S

Question-and-Answer Remember to raise your hand and wait until you have the microphone before you ask your question—we are recording!