Harm Reduction and Syringe Exchange

24th Annual Rural Health Conference, October 19, 2016
Cabell-Huntington Health Department
Your Health, Your Safety, Our Purpose

- Michael E. Kilkenny, MD, MS
- Physician Director
- 703 Seventh Avenue
- Huntington, WV 25701
- 304-523-6483
- Michael.E.Kilkenny@wv.gov
Disclosures

- Kaleo Pharma provided a product grant of 2200 packages of its FDA approved naloxone autoinjector Evzio to the Cabell-Huntington Health Department for distribution in its harm reduction program.

- Narcan Nasal Spray is a product of Adapt Pharma and is an FDA approved naloxone nasal spray.
Disclosures

- Naloxone, generically available, can be used as a nasal spray to reverse opioid overdose. This use is unapproved by FDA.

- Dr. Kilkenny has no personal financial relationship with any company producing any product or drug discussed, and states no preference for the use of any such product over any competing product.
Objectives

- Participants will be able to cite statistics related to opiate use in West Virginia
- Participants will be able to list two blood borne pathogens prevented by syringe exchange
- Participants will be able to state one other benefit of syringe exchange
- Participants will be able to state two components of harm reduction other than syringe exchange
- Participants will be able to identify three steps necessary for the implementation of harm reduction and syringe exchange.
Opioids in the United States

According to the CDC, in 2012 there were enough prescription opioids written in the United States to supply every adult over the age of 18 with 75 pills.
Prescription Opioids as Gateway to Heroin

4 out of 5 Heroin users started with prescription opioids
Nonmedical Prescription Opioid Use Is Declining!

- 4.9% of US adults use opioids for nonmedical uses

  JAMA 2015;314(14)1468-1478
IV Drug Use

An estimated 1% of US adults are IV drug users
Age at 1\textsuperscript{st} Use
CHHD Syringe Exchange, 2016
IV Drug Users who reuse and share others’ syringes and needles introduce bacteria and viruses into their skin and bloodstream.

IV Drug Users who do not share, but who draw unclean water to inject, also inject the dirt, bacteria, and viruses in the water.

Some become very ill
Hepatitis B

Acute Hepatitis B rate by jurisdiction and year

United States, 2014*
West Virginia, 2014*
Cabell County, 2014**
Cabell County, 2015**

*CDC, Statistics and Surveillance
**Operational Data, CHHD

Rate per 100,000
### Hepatitis C Status
#### CHHD Syringe Exchange, 2016

<table>
<thead>
<tr>
<th></th>
<th>Negative</th>
<th>Positive</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>67 (63.2%)</td>
<td>39 (36.8%)</td>
<td>106</td>
</tr>
<tr>
<td>Female</td>
<td>53 (51%)</td>
<td>51 (49%)</td>
<td>104</td>
</tr>
<tr>
<td>Total</td>
<td>120 (56.9%)</td>
<td>90 (43.1%)</td>
<td>210</td>
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Bacterial infections associated with and caused by injection drug use

- Skin infections
- Bone and joint infections
- Heart Valve infections
Comparison of Death Rate Data for Leading Causes of Death by Jurisdiction and Year

- Overdose 2015
- Diseases of the Heart 2013
- Malignant Neoplasm 2013
- Chronic Lower Respiratory Disease 2013
- Accidents, All Forms 2013
- Dementia 2013
- Stroke 2013

Categories:
- Huntington
- Cabell County
- West Virginia
- United States
(Forwarded)

Message
…is there anything you can do to help us get our son into recovery? Didn’t know if you knew anyone that could get him in, soon. Anything you can do would be greatly appreciated.

Message
We don’t need help, anymore. My son passed away, Sunday. He is finally at peace.

Reply
Oh, no! No, no, no!...
Elements of Harm Reduction

- Syringe exchange
- Education
- Recovery coaches and referral to recovery
Elements of Harm Reduction

- Testing for HIV, Hepatitis B & C
- Immunizations
- Wound care
- Naloxone training
Elements of Harm Reduction

- STD diagnosis and treatment
- Option for long acting contraception services
- Referral for specialty care
Community Partnerships and Complimentary Programs

- Drug court, Day report, WEAR program
- Collaboration with Law Enforcement, LEAD Program, “Handle With Care”
- Warm handoffs with hospitals, recovery agencies
- 1-844-HELP4WV: [http://www.help4wv.com](http://www.help4wv.com)
Benefits of Harm Reduction Programs

- Reduce spread of blood borne pathogens
- Reduce needle stick injuries among sanitation workers and first responders.
- Facilitate testing and treatment for disease
- Facilitate treatment for substance use disorder
Benefits of Harm Reduction

- Reduce risk of overdose
- Increase likelihood of appropriate overdose response
- Improve overdose death rate
Cabell-Huntington Harm Reduction

- Clients Served in one year – 1,973
- Gender – 48% Female, 52% Male
- Syringes Dispensed – 177,376
- Syringes Returned – 142,485
Cabell-Huntington Harm Reduction Program

Drugs of Choice

- Powder Heroin
- Tar Heroin
- Other Opioids
- Methamphetamine
- Cocaine
Syringe Sharing Among New Syringe Exchange Clients
Huntington, WV

Internal data analysis, CHHD
Comparison of Number of Overdose Deaths
Cabell County, WV, 2015 and 2016*

Number of Deaths

January 1 through June 30

*Operational Data, CHHD, MODCP

2015  2016