PrEPping for a Brave New World: Innovations in Delivery at the Detroit Public Health STD Clinic

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Overview

- Program History
- Current Practices
- Ongoing Research

Public Health STD Services in Detroit, Michigan

- City of Detroit filed bankruptcy in summer of 2013
- Herman Kiefer Health Complex, which housed the city's sole dedicated STD clinic, closed in late 2013
- MDHHS contracted with Wayne State University School of Medicine to host the Detroit Public Health STD Clinic in fall of 2014; clinic moved to permanent location in spring of 2016

Detroit Public Health STD Clinic

- **Initial PrEP program – started in early 2016:**
  - No systematic screening; patients could self refer for PrEP or clinician could offer
  - Patients had initial visit that included counseling and lab work
  - Asked to return within 1 week for oddslot tips PrEP prescription
  - Few patients initiated PrEP
- **Current PrEP program:**
  - Patients can receive PrEP prescription <u>same day</u> – September 2016
  - <u>Systematic screening</u> of all patients for PrEP eligibility criteria – January 2017
  - Now the largest PrEP prescriber in Michigan

Current Practices

Screening for PrEP Eligibility

- **Use standardized form to ask every patient about:**
  - Gender of sex partners
  - Sexual practices
  - HIV status of sex partners
  - Commercial sex work
  - Intravenous and other drug use
  - History of sexually transmitted infections
- **Standardized form also includes PrEP eligibility assessment**

PrEP Eligibility Assessment

PrEP Eligibility Assessment	☐ HIV positive (not applicable) ☐ Already on PrEP (not applicable) PrEP Eligibility Criteria (persons with any of the below should be offered PrEP) **– All criteria based on last 12 months**		
	Yes	No	
			MSM with condomless anal sex outside of a mutually monogamous HIV seroconcordant relationship
			MSM with history of gonorrhea, chlamydia or syphilis
			MSM who report using methamphetamine or poppers
			Any vaginal or anal sex with a known HIV+ partner
			Commercial sex work
			Injection drug use
PrEP referral	PreP offered ☐ Yes ☐ No ☐ accepted ☐ declined		

Same Day PrEP

- **If patient meets PrEP eligibility criteria, then clinician offers patient PrEP same day**
- **If patient accepts then:**
  - Risk/benefits discussion
  - Rapid HIV test, creatinine clearance, urine dipstick, Hep B & C screening, STD screening, pregnancy test (state funding for uninsured patients' lab work)
  - Investigate prescription cost, consider financial assistance programs and insurance enrollment (PrEP coordinator and financial counselor)
  - Prescription given same day for 30 days (if HIV test non-reactive and urine dipstick without protein)

Ongoing Research

Implementation And Evaluation of HIV Pre-Exposure Prophylaxis (PrEP) in Detroit: A Public Health-Center for AIDS Research (CFAR) Collaboration

NIH Supplemental Grant to CDC Project PrIDE

Collaboration between: Michigan Department of Health and Human Services, Wayne State University, and University of Washington

Implementation and Evaluation of PrEP in Detroit

Overarching goal: To develop and evaluate a population-based, public health approach to PrEP in Detroit

Aims:

1. Monitor PrEP uptake: county and statewide evaluations

In the Detroit Public Health STD Clinic:

2. Evaluate public health PrEP provision

3. Identify PrEP non-initiation and discontinuation

Implementation and Evaluation of PrEP in Detroit

Provides funding for PrEP Coordinator

1) Meets with every patient interested in and/or prescribed PrEP

- Provides educational material, assists with patient assistance programs, serves as liaison between patients and providers, reminds patients of appointments and calls if missed appointments

2) Study enrollment for prospective PrEP cohort

- Initial visit: Additional data collected on self-efficacy, internalized homophobia, perceived risk of HIV, commitment to PrEP (self and provider perception)
- Follow up visits: Ask about adherence, reasons for missed doses and appointments, continued need for PrEP

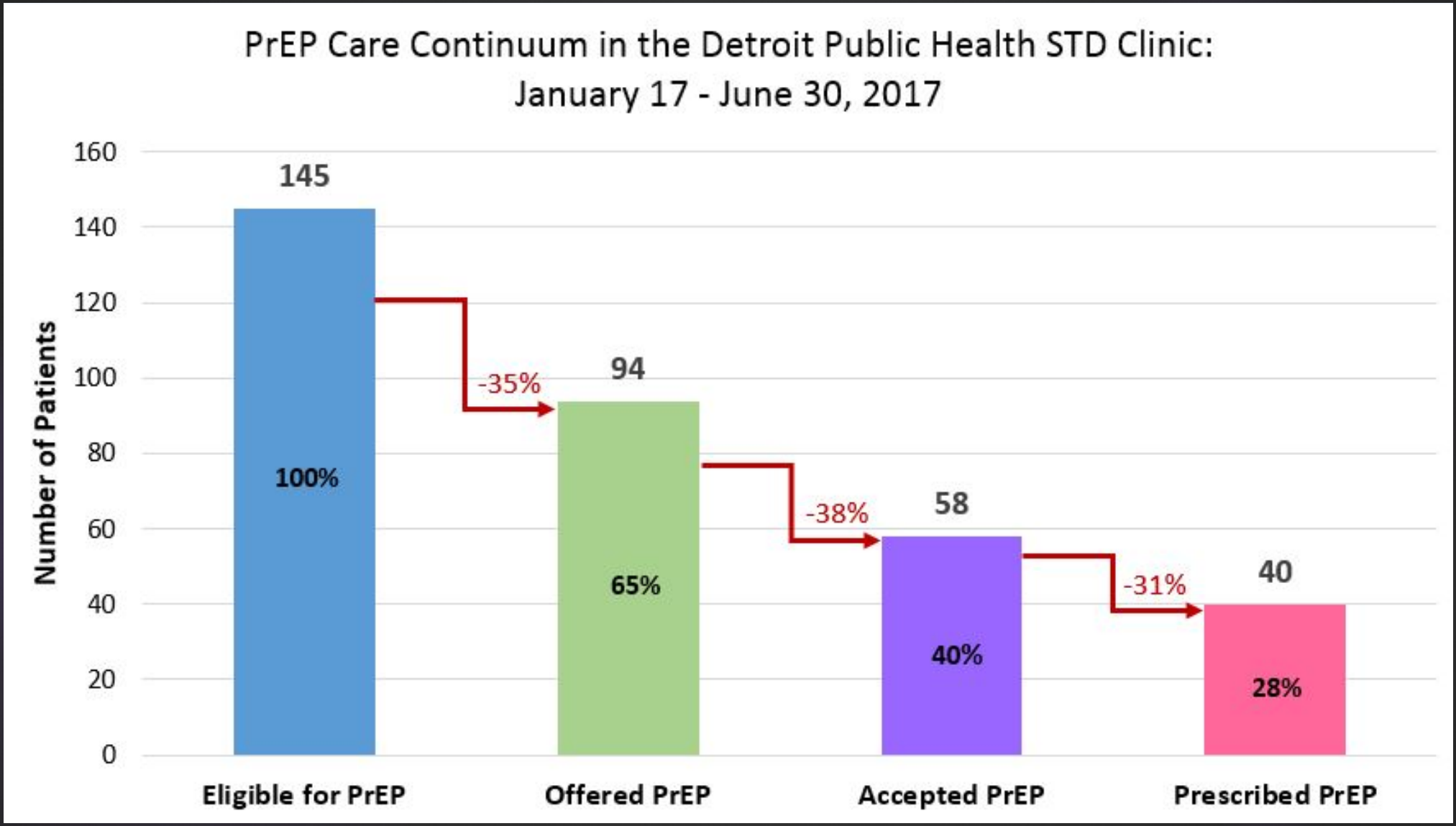
3) Maintains REDCap database

- Inputs data from standardized form/PrEP eligibility assessment for each patient visit

Preliminary Program Evaluation

REDCap Database: 1,736 patients seen between January 17, 2017 and June 30, 2017

- 84% African American/black, 67% male, and 15% MSM
- 145 met any PrEP eligibility criteria
  - 91% were MSM who reported condomless anal intercourse and/or a recent STD
  - 94 were offered, 58 accepted, and 40 prescribed PrEP
- Clinicians also offered PrEP to 47 patients who did not meet PrEP eligibility criteria
  - 49% were MSM
  - 13 accepted, 11 prescribed PrEP


PrEP Care Continuum in the Detroit Public Health STD Clinic:
January 17 - June 30, 2017
Number of Patients
160
140
120
100
80
60
40
20
0
145
100%
-35%
94
65%
-38%
58
40%
-31%
40
28%
Eligible for PrEP
Offered PrEP
Accepted PrEP
Prescribed PrEP

Next Steps

- Evaluate reasons why there is loss at each step along the PrEP care continuum and try to improve upon them
- Implement WelTel two-way text messaging program to improve communication between PrEP coordinator and patients
- Collect data for prospective PrEP cohort through May 2018
  - Gain in-depth knowledge about patient perceptions of self-efficacy and risk, PrEP adherence, reasons for discontinuation, etc.
  - Construct a risk score predictive of early PrEP discontinuation

Thank you

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