

The logo features a large, stylized red graphic element on the left, resembling a thick vertical bar with a horizontal bar extending from its top and bottom, forming a partial frame. The text is positioned to the right of this graphic. The year '2018' is written vertically in light blue. 'NATIONAL' is in light blue, 'RYAN WHITE' is in large white letters, and 'CONFERENCE ON HIV CARE & TREATMENT' is in light blue at the bottom.

2018 NATIONAL
RYAN WHITE
CONFERENCE ON HIV CARE & TREATMENT

Targeted HIV-Testing in the Emergency Department with Linkage to Care Using an HIV Risk Score

Hillary Dunlevy MD, MPH and Megan Robins

University of Colorado Denver, Aurora, CO

Other contributing authors: Edward Ashwood, Lisa Lawrence, Taryn Ketels, Robin Scott, Gina Napolitano, Kelly Bookman, Myron Levin

Introduction

- Individuals at risk for HIV present to the emergency department (ED) for many reasons.
- These visits provide an opportunity for HIV testing and linkage to care
- CDC Universal screening guidelines
 - High cost
 - High false positive rate in low risk population
 - In ED setting, difficult giving people timely results
- Targeted HIV testing as alternative

Introduction (2)

- Denver HIV Risk Score
 - Nursing driven tool in the ED used to identify people at risk for HIV infection
 - Developed at Denver Health Medical Center (J.Haukoos)
 - Adapted for use at University of Colorado Hospital (UCH)
- Study at Denver Health
 - Compared universal testing to testing using an HIV Risk Score
 - Included demographic and behavioral measures

UCH Emergency Department

- 620 bed hospital
- 73 beds in ED
- More than 120,000 visits per year
 - 15% are between the ages of 15 and 24
 - 55% between 25 and 60
 - 50% are women

Methods

- Adapted a previously developed electronic medical record (EMR) tool for HIV-risk assessment and offered testing
- All patient ≥ 18 years old with visits to the main ED received screening tool
 - Patients in ED urgent care and triage areas were not screened with the tool
- Used 4th generation HIV screening test with send-out confirmatory differentiation assay
 - Screening test run in the UCH laboratory
 - Confirmatory sent to the UCH north campus
 - Only performed M,W,F

Methods

- ED staff contacted the linkage coordinator who met with patient
- If after business hours, a behavioral health provider met with patient
 - Behavioral Health provider coordinated follow up in the ID clinic with the linkage coordinator within 1-2 days
 - Dot phrase was entered in EPIC message
 - EPIC message was routed to linkage coordinator and medical director

Denver HIV Risk Score as in EPIC

HIV Risk Score (Metro Denver Only) - HIV Risk Score (Metro Denver Only) ↑ ↓

Time taken: 1545 10/7/2018

Show: Row Info Last Filed Details All Choices

Values By + Create Note

▼ HIV Risk Questions (Metro Denver Only)

Have you ever been tested for HIV? Yes No

Tested negative for HIV within the preceding 6 months? Yes No
ED HIV Screening - Pt tested negative within last 6 months, pt tested positive and no resources are needed, OR risk screening completes requirement.: 1507 - 1545

Patient states positive for HIV, no resources needed. Yes No
ED HIV Screening - Pt tested negative within last 6 months, pt tested positive and no resources are needed, OR risk screening completes requirement.: 1507 - 1545

Have you ever injected drugs? 9=Yes 0=No Unable to assess

What race or ethnicity do you identify with? 9=Black 3=Hispanic 0=Neither black or hispanic Unable to assess

When you have sex, do you have sex with men, women, both, or neither? 22=Men or Both 0=Women or abstains from sex Unable to assess

Calculated HIV risk score (age and gender automatically included in calculation)
ED HIV Screening - Pt tested negative within last 6 months, pt tested positive and no resources are needed, OR risk screening completes requirement.: 1507 - 1545

Restore Close Cancel

Previous Next

Denver HIV Risk Score questions

- Have you ever been tested for HIV?
 - Tested negative in the last 6 months?
 - Patient states already positive for HIV
- Have you ever injected drugs?
- What race or ethnicity do you identify with?
- When you have sex, do you have sex with men, women, both or neither?

Denver HIV Risk Score

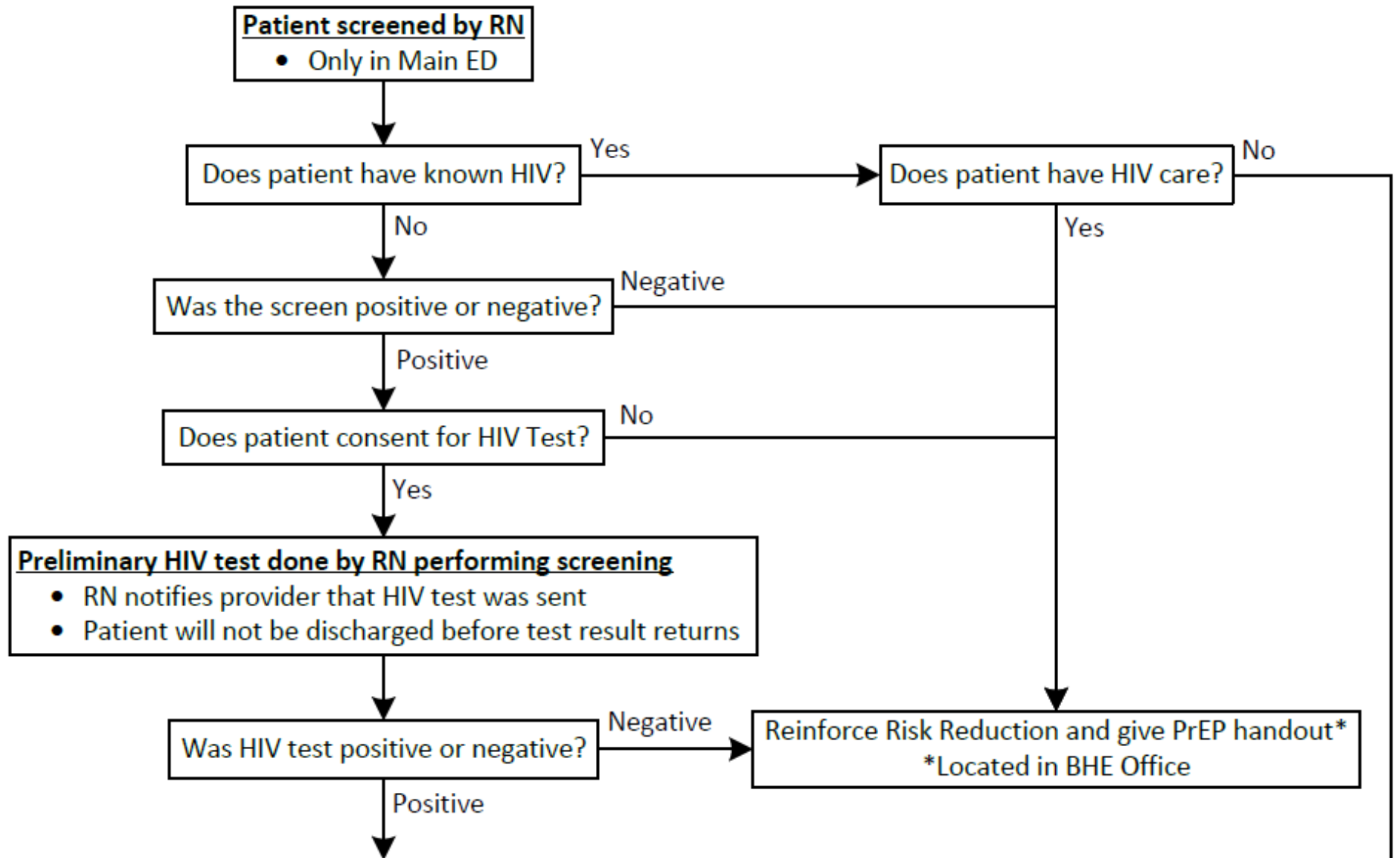
Denver HIV Risk Score

The Refined Denver HIV Risk Score	Score
Patient age 22-25 or 55-60 + 4 26-32 or 47-54 + 10 33-46 + 12	_____
Male gender + 21	_____
Patient self-reported race/ethnicity Black + 9 Hispanic + 3	_____
Does the patient have sex with men, women, or both? Men or both + 22	_____
Has the patient ever injected drugs? Yes + 9	_____
Has the patient ever been tested for HIV? Yes - 4	_____
Total Score	_____

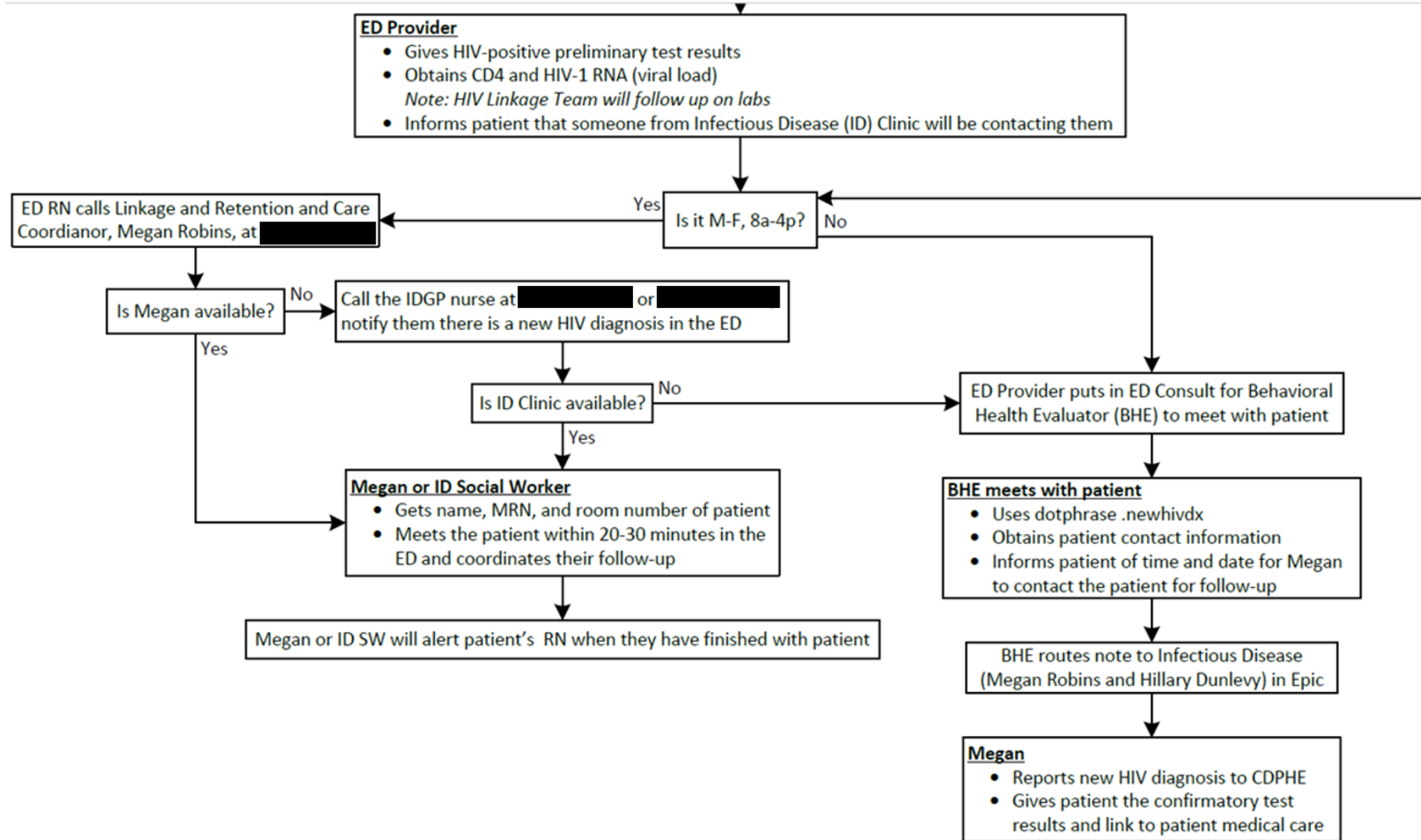
Denver HIV Risk Scoring

- Ages ≥ 13 years old (for UCH tested ≥ 18)
- Risk scores
 - ≥ 50 Very high Risk
 - $\geq 40-49$ High Risk
 - $\geq 30-39$ Moderate Risk
 - $\geq 20-29$ Low Risk
 - <20 Very Low Risk
- HIV testing for score ≥ 35 at UCH (≥ 30 at Denver Health)
- Opt-in testing
- Initial HIV Ab/Ag, confirmatory testing if positive

ED HIV Screening Pathway



ED HIV Screening Pathway Cont.



EPIC .newhivdx dot phrase

After Hours New HIV Diagnosis Consult

- What is your preferred name?
- What pronouns do you prefer?
- Are you currently pregnant?
- How do you prefer that we contact you (phone call, text message, email, mail)?
- What is your current address?
- Primary phone number:
- May we leave a detailed message on this phone?
- Other phone number:
- May we leave a detailed message on this phone?
- Who can we call discreetly if we can't get a hold of you?
 - Name:
 - Relationship:
- Do you have reliable transportation to come to the ID clinic?
- If no, was bus pass given to patient to get to clinic?
- Arranged time and date for ID Linkage to Care Coordinator to call patient to discuss scheduling visit to get test results:

Results

- 70,023 visits to the main ED
- 36,882 received the HIV screening tool (53%)
- 1,698 had a 4th generation HIV test in the ED (4.6% of those screened)
- 16 positive tests
 - 3 false positives
 - 13 new diagnoses

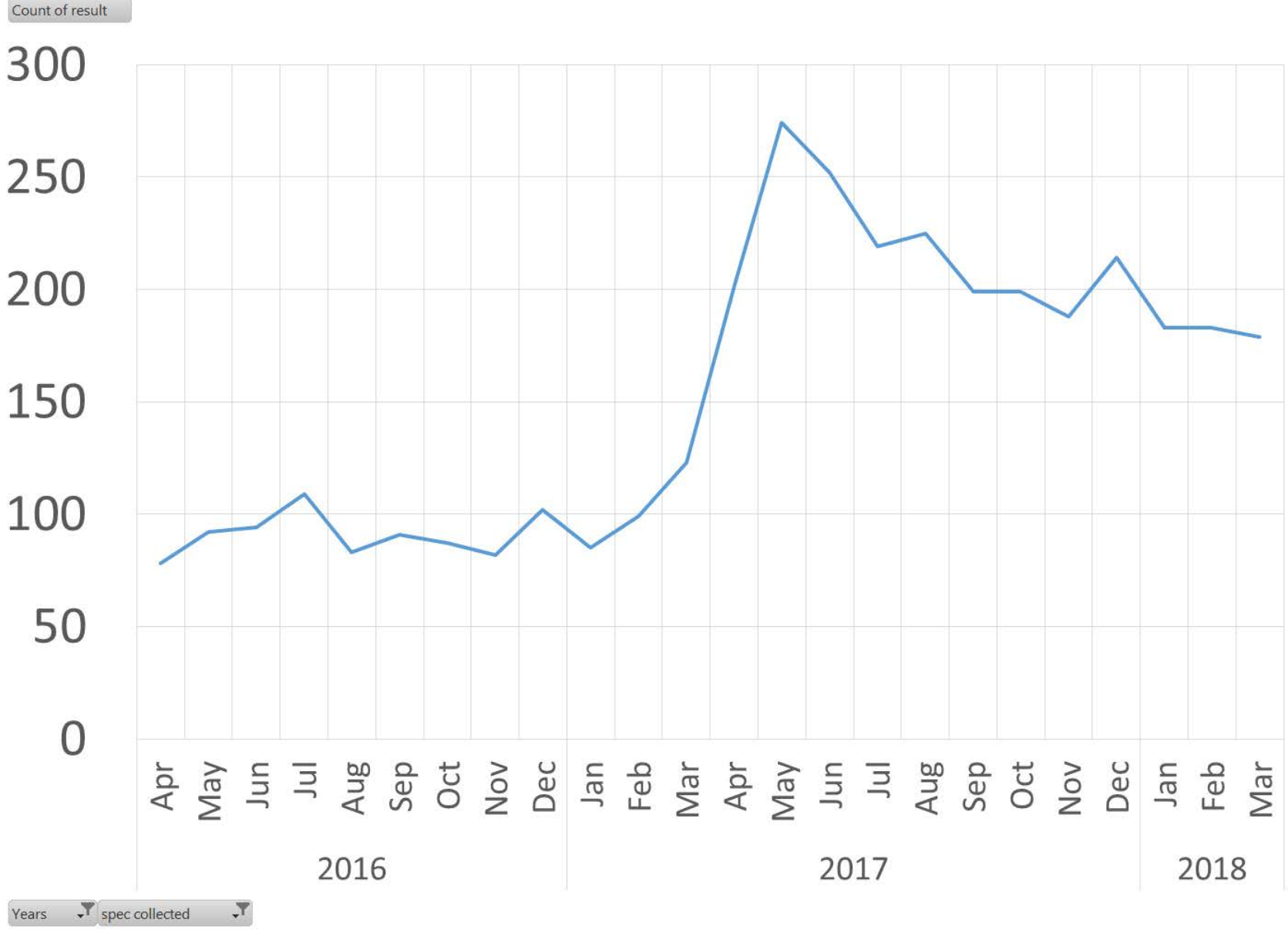
Number of HIV tests and diagnoses

	April 2016-March 2017	April 2017-March 2018
Number of tests in the ED	1125	1698
Number of positive HIV tests in ED	8	13
Number linked to care	7	11

Results - continued

- 5 new diagnoses in April through August 2018
 - All with linkage to care

Number of Tests in ED by Month



Benefits of the EPIC tool

- Multi-disciplinary HIV-Testing and Linkage Task Force:
 - Infectious diseases (physician, linkage coordinator, AETC and RW manager and physician and social work from Children's Hospital Colorado), Emergency Department (physician, nursing, social work, data team), Lab Director
- Communication protocols assist with smooth handoff from ED to linkage coordinator
- Laboratory released HIV Ab/Ag result to the ED after the first positive result to shorten turnaround time to 1 hour
- ED director and Nursing advocate use of the screening tool, leading to new HIV diagnoses.
- Strong linkage rates for new HIV diagnoses through the linkage pathway

Barriers to the EPIC tool

- Some staff discomfort over asking HIV screening questions
 - Nursing advocate offered support
- Decreased adherence to HIV screening tool over time
 - ED director and nursing advocate for use
- HIV test turnaround time
 - Slow turnaround time in the ED
 - Laboratory director releases HIV screen positive results quickly
- Discharge from ED prior to results
 - Obtain contact information
 - Notify linkage team through EPIC message

Thank you



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