

# HIV Testing in an Inner City NYC Emergency Department

Project B.R.I.E.F.

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# HIV/AIDS in New York

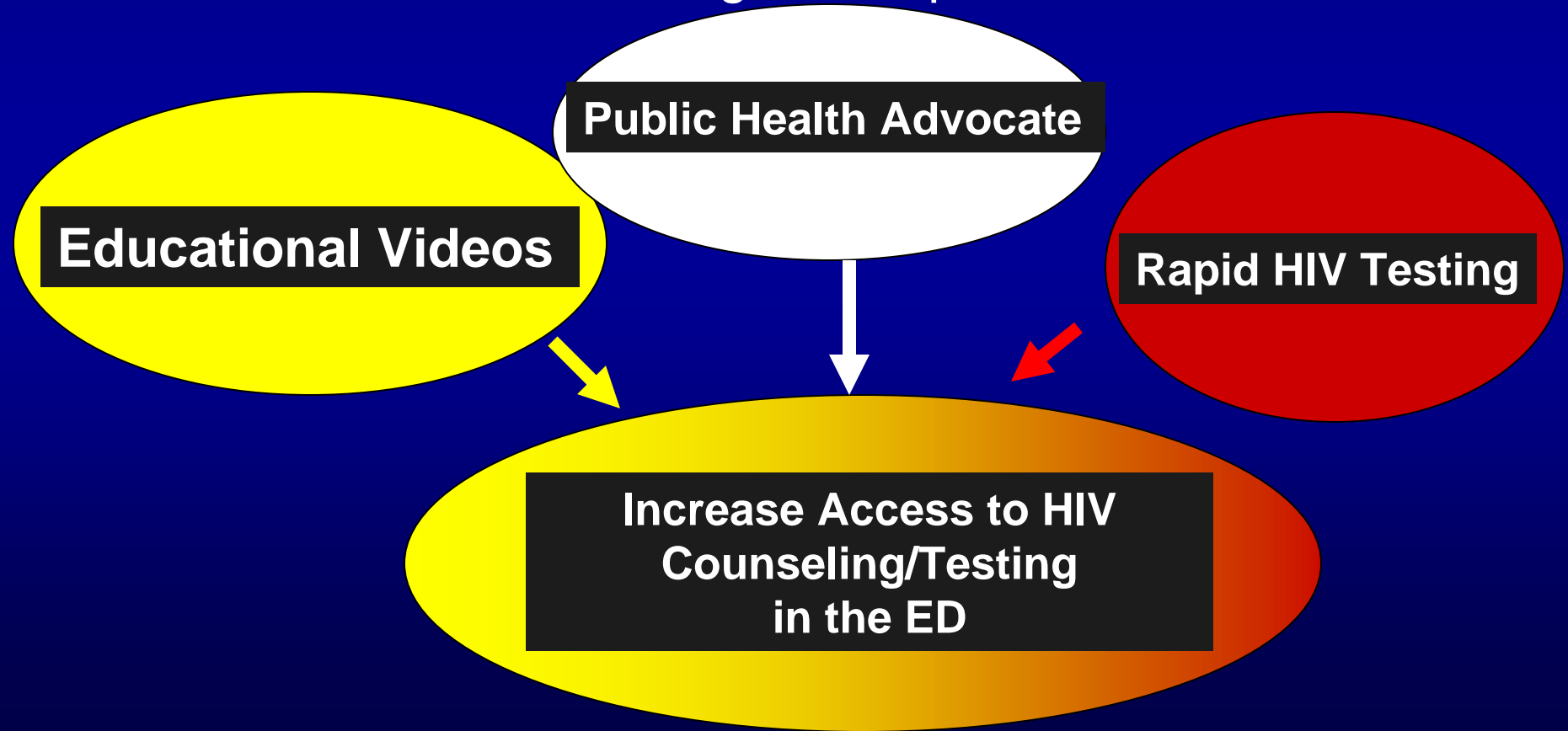
Region	HIV/AIDS Prevalence Rate	African-Am HIV/AIDS Prevalence	Hispanic HIV/AIDS Prevalence
New York State	0.58%	1.74%	1.18%
New York City	1.04%	1.97%	1.30%
<b>Bronx Borough</b>	<b>1.57%</b>	<b>2.18%</b>	<b>1.56%</b>

# Adult Literacy in NYC

Region	Functionally illiterate	Marginally literate
NYC	36%	27%
<b>Bronx borough</b>	<b>46%</b>	<b>33%</b>
Brooklyn borough	41%	32%
Manhattan borough	31%	19%
Queens borough	33%	30%
Staten Is borough	18%	28%
New York State	24%	26%

# Project B.R.I.E.F

- Behavior intervention
- Rapid HIV test
- Innovative video
- Efficient cost and health care savings
- Facilitated seamless linkage to outpatient HIV care



# Project BRIEF Results

(10/05 - 8/08)

**19,968 patients approached**

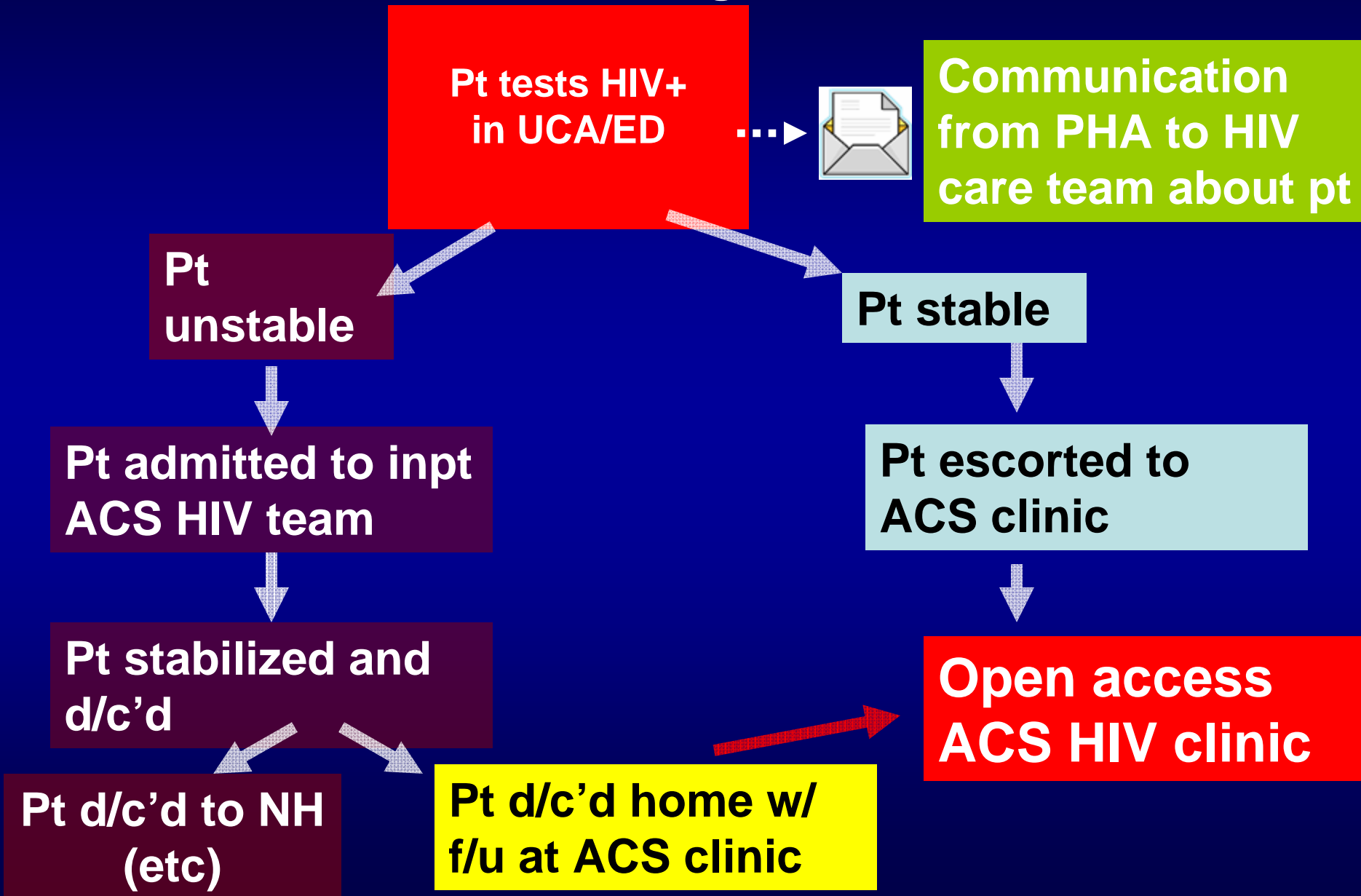
**14,990 pts  
(75.1%) tested**

**4878 pts  
(22.2%) refused  
or ineligible**

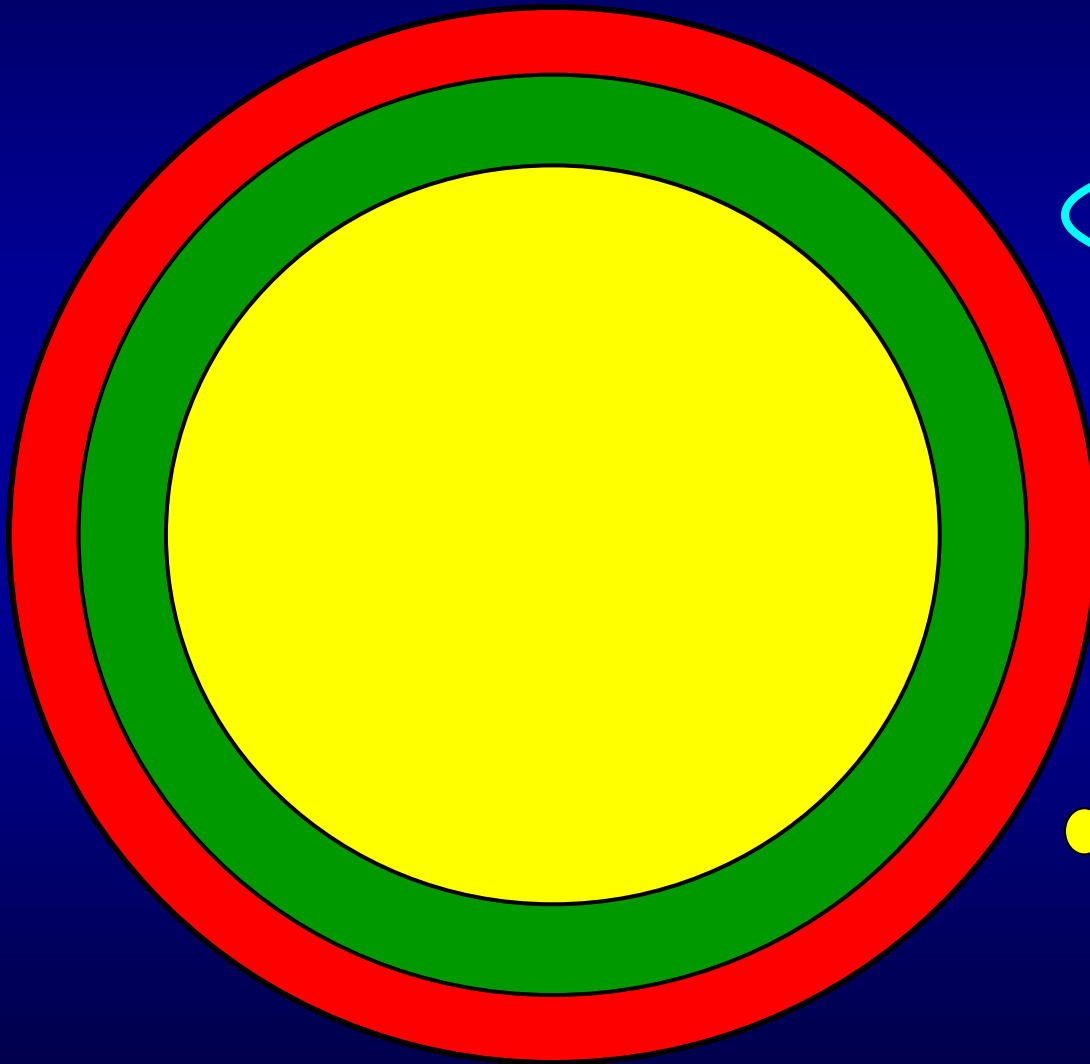
**97  
(0.65% tested HIV+)**

# Building Linkage:

Coordination of ED testing with HIV clinical care



# Linkage to Care (10/05 – 8/05)



# of pts dx'd HIV+  
n= 96

74 pts are newly dx'd

# of pts linked to outpt  
care  
n= 82 (86%)

# of pts linked to care @  
NBHN  
n= 68 (72%)

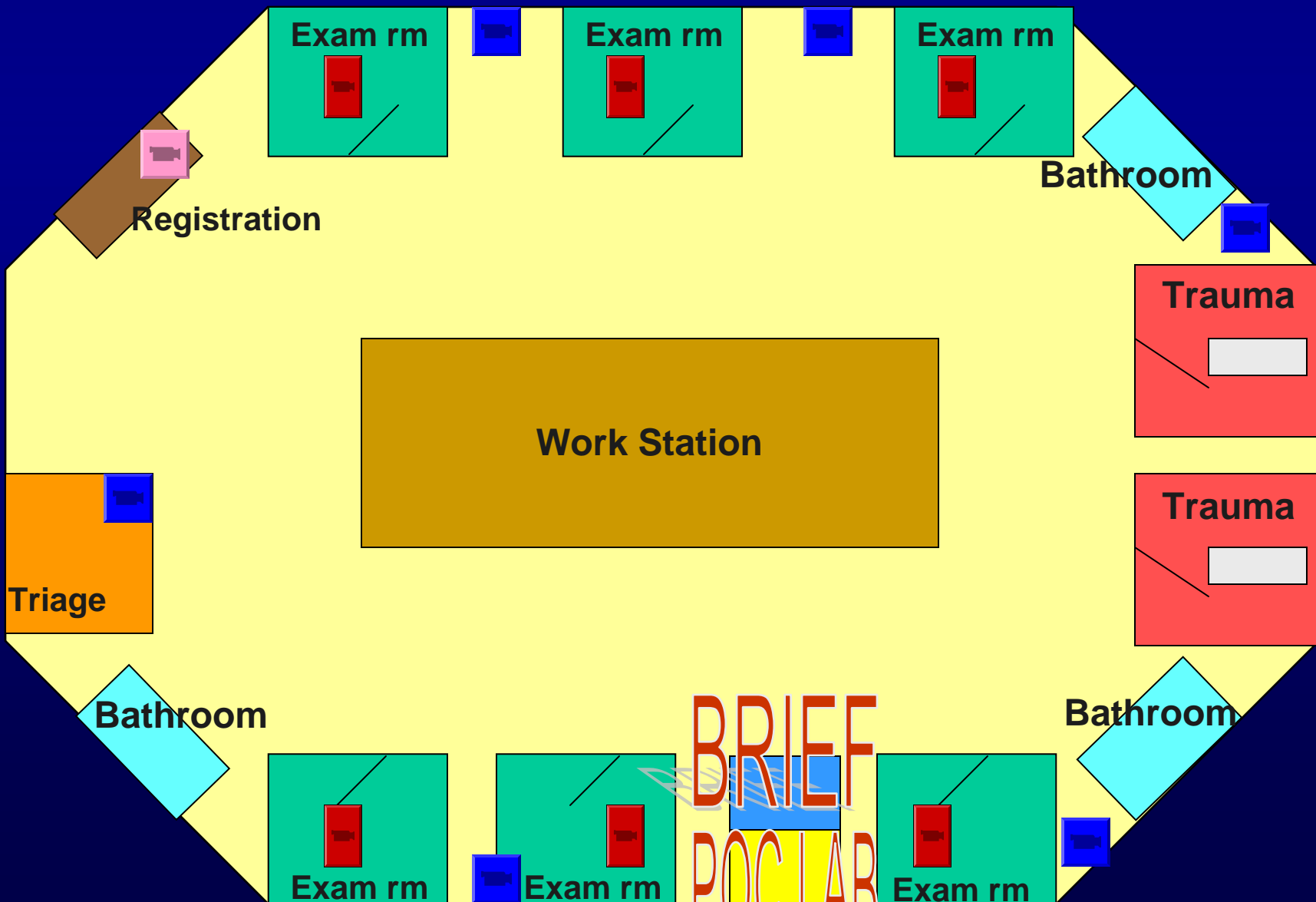
# Treatment Outcomes: Pts @ NBHN (n=68)

# of days: HIV dx to 1 <sup>st</sup> med clinic visit (range)	Mean = 32 Median = 14 (0-696)
# of clinic pts eligible for HAART (DHHS definition)	49
# of days: HIV dx to HAART start (mean, median, range) (n = 36)	Mean = 52 Median = 38 (1 – 238)
# of pts started on HAART (% of eligible pts)	35/44 (80%)
# patients with viral load < 400 c/mL	28
# patients with viral load < 50 c/mL	16









**BRIEF**  
**POC LAB**



## HIV Testing History

	YES	NO	HELP
Have you received HIV counseling prior to getting HIV tested in the past?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not including the HIV test today, During past HIV counseling did you get information on how to have safe sex?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you get your results each time you were tested in the past?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

PHA  
LOGIN

QUIT



27%

BACK

NEXT

# DCI Self-reported Risk Factors

Risk Factor	% population answering affirmatively
Have had sex without using a condom	79.70%
Have more than 3 drinks before sex	33.30%
Previous non-IV drug use	26.20%
Previously had an STD	20.80%
Currently use non-IV drugs	12.00%
Sex with drug user	11.70%
Previously used street drugs before sex	9.10%
Have had transfusions	5.40%
Sex w/partner who exchanged sex for money	3.70%
Previously had hepatitis	3.50%
Has been homeless within past 6 months	3.50%
Sex with partner with HIV	2.40%
Previous IV drug use	2.10%
Have had a needle stick exposure	2.10%
Has exchanged sex for money or drugs	1.70%
Currently use IV drugs	0.90%

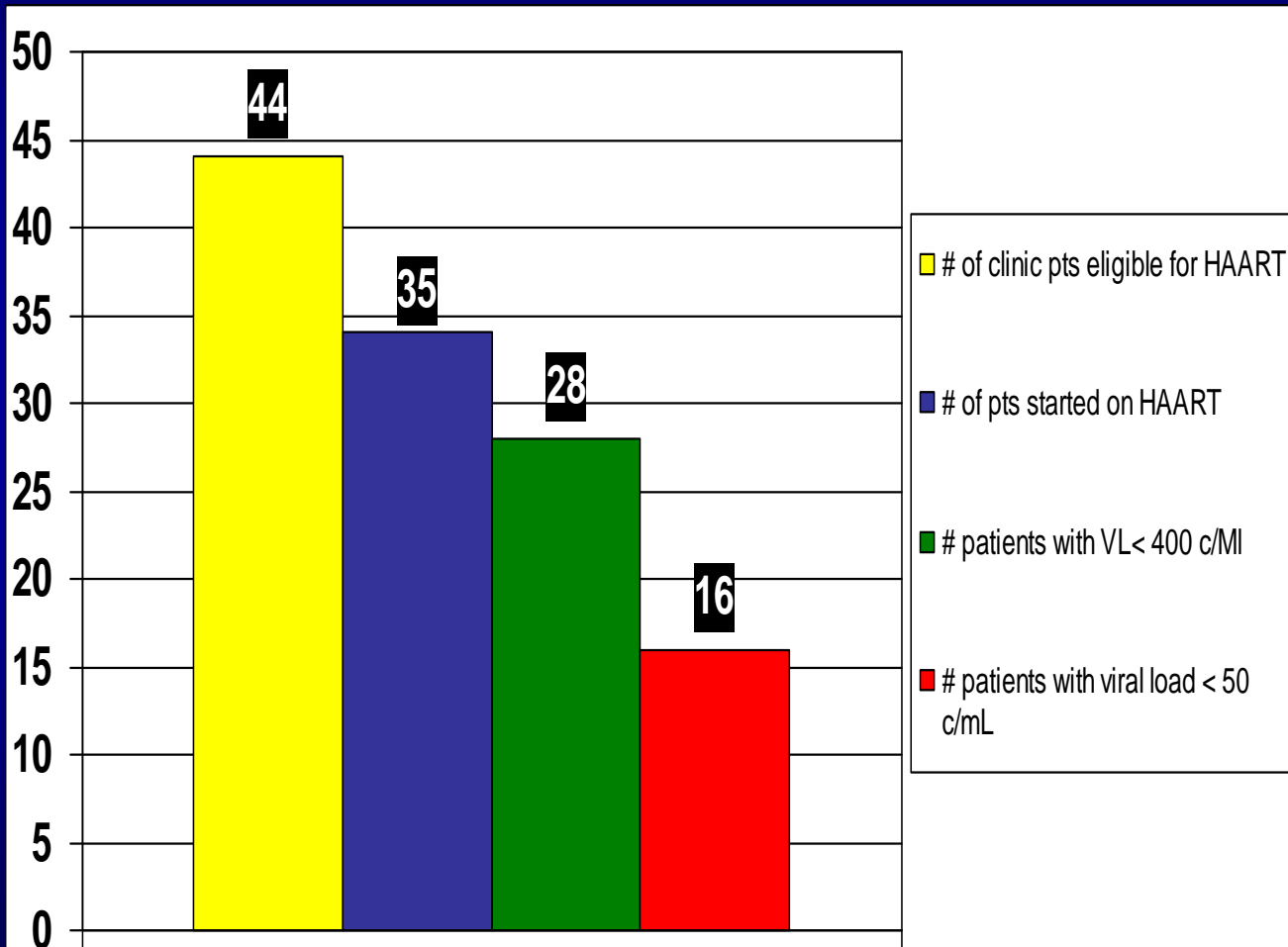
# BRIEF

## HIV dx'd Patient Characteristics

	<b>Male*</b> <b>(n = 65)</b>	<b>Female</b> <b>(n = 31)</b>	<b>Total</b> <b>(n=96)</b>
<b>Average Age</b>	<b>40</b> <b>(range: 21–71)</b>	<b>37</b> <b>(range: 13-56)</b>	<b>39</b> <b>(range: 13-71)</b>
<b># NBHN Visits prior to Dx</b>	<b>4.3</b>	<b>13.4</b>	<b>7.2</b>
<b># of pts newly dx'd HIV+</b>	<b>53</b>	<b>21</b>	<b>74</b>
<b># NBHN Visits 1 year prior to Dx</b>	<b>1.6</b>	<b>2.4</b>	<b>1.9</b>
<b>Initial CD4 Count (cells/mm<sup>3</sup>)</b>	<b>297</b>	<b>330</b>	<b>316</b>
<b>Median Initial Viral Load (c/mL)</b>	<b>61,200</b>	<b>81,400</b>	<b>73,400</b>

\* 1 pt is transgender (M -> F)

# Treatment Outcomes: Pts with f/u @ NBHN (n=69)



35/44 (80%) of NBHN pts eligible by DHHS guidelines (CD < 350 &/or VL > 100,000 c/mL and/or symptomatic HIV and/or AIDS) are on HAART.

For pts not on HAART:

- 4 pts are no longer in care @ NBHN (last visit > 6 months ago)