



HHC Metropolitan Hospital Center

Increasing rapid HIV testing in the Emergency Department through the implementation of a provider-driven model

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Topics Covered

- MHC's Background & Goals
- Three Phases of ED Rapid HIV Testing Implementation
- Results of the Provider-Driven Model
- Linkage to Care
- Lessons Learned
- Advice to Others





Background

- Metropolitan Hospital Center (MHC) is:
 - A municipal acute care hospital located in East Harlem, New York
 - A member of New York City Health & Hospitals Corporation (HHC)
 - Affiliated with New York Medical College
 - A hospital that serves the underserved, mostly minority communities of Upper Manhattan & the South Bronx



MHC's Place in the HIV/AIDS Epidemic

- MHC's combined service areas represent 40% of the total number of adult AIDS cases in New York City





MHC's Rapid HIV Testing Goals

- To increase the number of individuals who are aware of their HIV status by routinizing rapid HIV testing in the ED
- To ensure that every patient who agrees to be tested, is tested during their visit and given their result before discharge
- To effectively link all HIV positive patients to HIV primary care

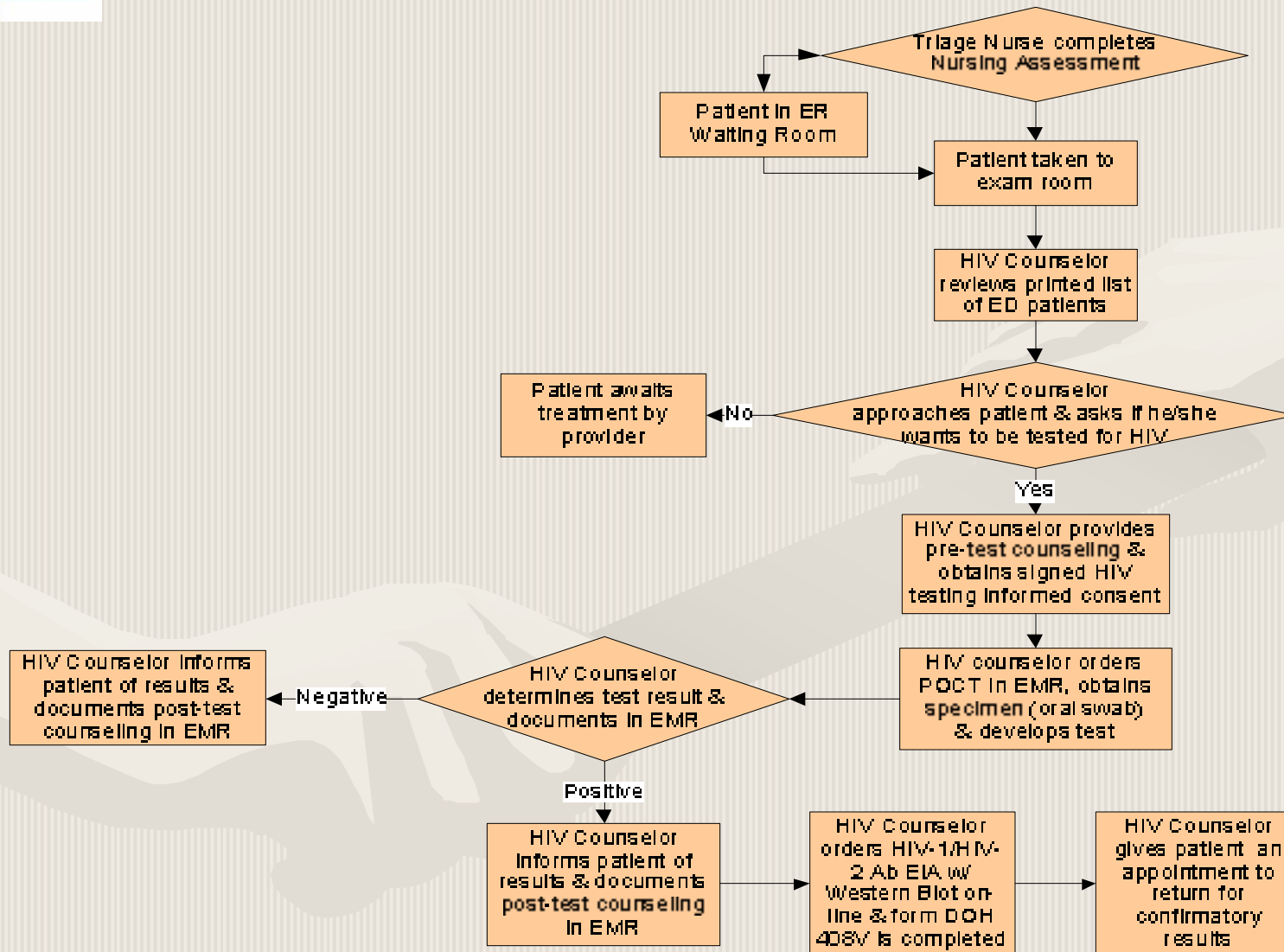


Emergency Department (ED) Rapid HIV Testing Implementation

- Three Phases of ED Rapid HIV Testing:
 - Phase 1: Counselor-driven rapid HIV testing began in August 2004
 - Phase 2: Hybrid Counselor/Provider-driven model began September 2005
 - Phase 3: Screening of 100% of eligible ED patients & Provider team-driven rapid HIV testing began in October 2006



PHASE 1: Counselor-Driven Model





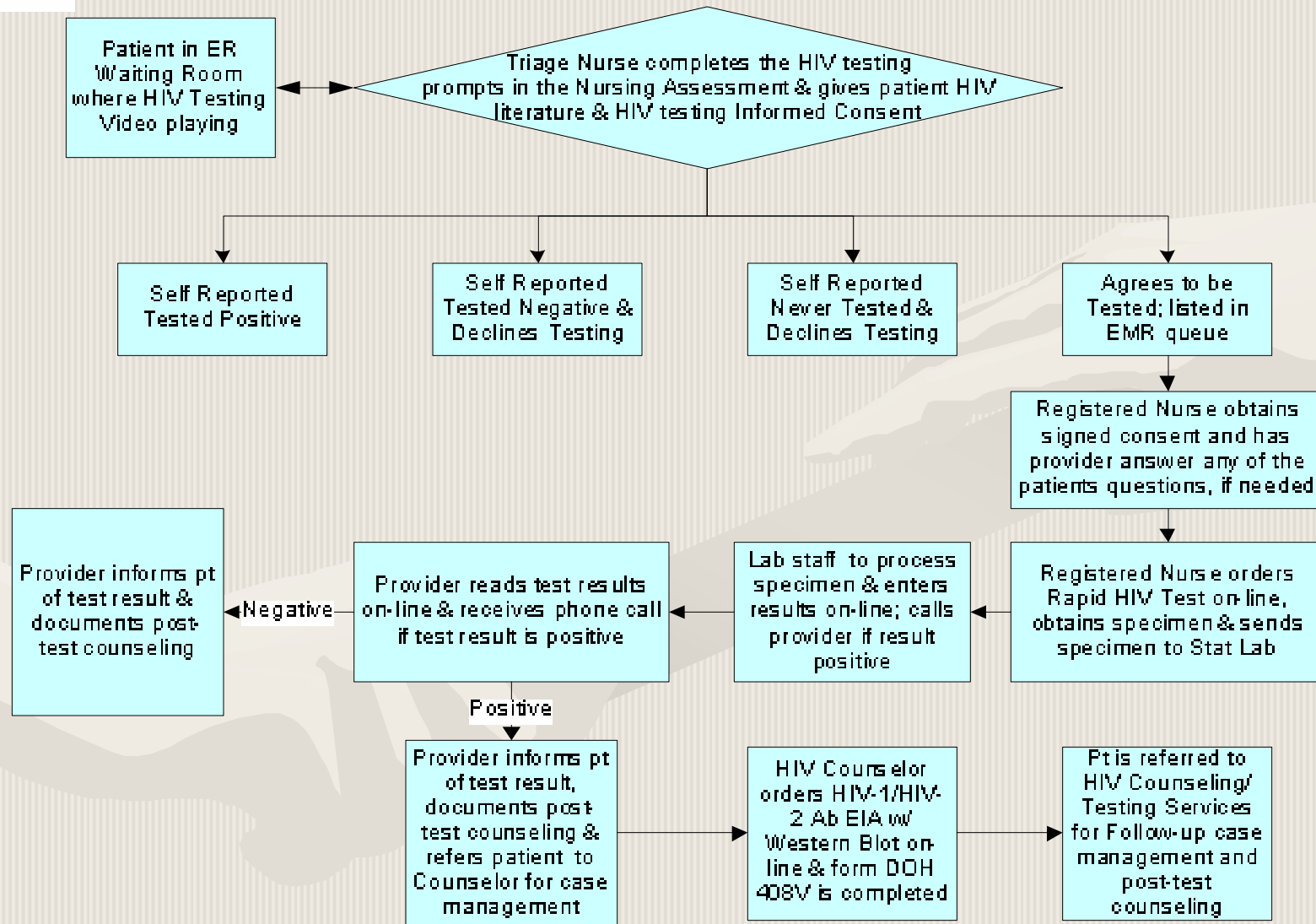
PHASE 2:

Hybrid Counselor/Provider Model

- Monday-Friday 9am-5pm: Counselor-Driven model utilized
 - 1 FTE HIV Counselor
 - Oral Swab Test Utilized
- Evenings, Overnights & Weekends: ED Providers expected to offer the test to patients & conduct pre- and post-test counseling
 - Blood-based Test Utilized, Developed by the Stat Lab



PHASE 3: Provider-Driven Model





EMR Rapid HIV Testing Trigger

- Once it is documented in the EMR that a patient agrees to be tested for HIV, the patient's information and location within the hospital is documented in the HIV Self Status queue

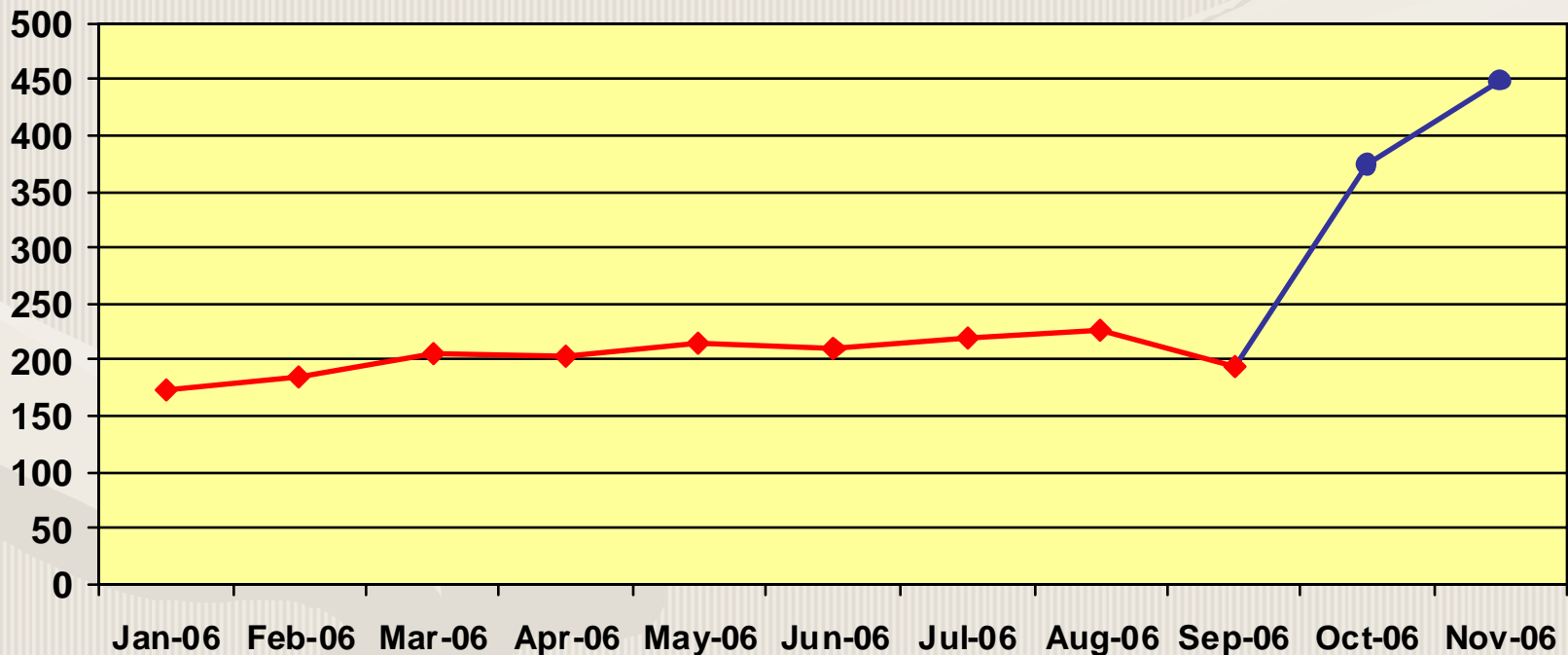
The screenshot displays a software window titled "Misys CPR - Metropolitan Hospital Center Misys CPR Production System". The window contains a table with the following columns: #, Name, Location, Status, Number, Sex, Age, and Physician. The table lists 14 patients. The Name column is redacted with a black box. Below the table, there are several buttons: (H) View History, (S) Sort, (P) Process, (R) Refresh, OK, Back, Expand, and Cancel. The status bar at the bottom right shows "Rubin, Marcie" and "October 18, 2007 10:35:46".

#	Name	Location	Status	Number	Sex	Age	Physician
1		TR 3	MHC-E/R - Adult	1821173	M	28Y	ShawRonald
2		6A01-01	MHC-I/P 6A - Medicine	906506	M	49Y	Abdulkarim
3		6A15-01/O		1542771	M	88Y	BaumsteinD
4		8A13-02	MHC-I/P 8A - Medicine PD 18Oct pm	1621009	F	23Y	StephensDa
5		8B05-03	MHC-I/P 8B - Surgery	1621063	M	50Y	BaumsteinD
6		8B12-03		1468535	M	43Y	BaumsteinD
7		8B13-02		642991	F	74Y	BaumsteinD
8		8B13-03		1621078	F	22Y	KoppelBarb
9		9W08-03	MHC-I/P 9W - Psychiatry	1169139	F	34Y	SantiagoGu
10		6W10-04	MHC-I/P 6W - Psychiatry	1534454	M	29Y	Rodriguz-D
11		6S4202	MHC-I/P 6S - Psychiatry	1621139	M	36Y	ParsonElvi
12		5W15-03	MHC-I/P 5W - Psychiatry	1611573	M	46Y	GreenbergJ
13		5W15-04		1081857	M	45Y	ShenoyShee
14		5W18-02		1615657	M	43Y	ShenoyShee



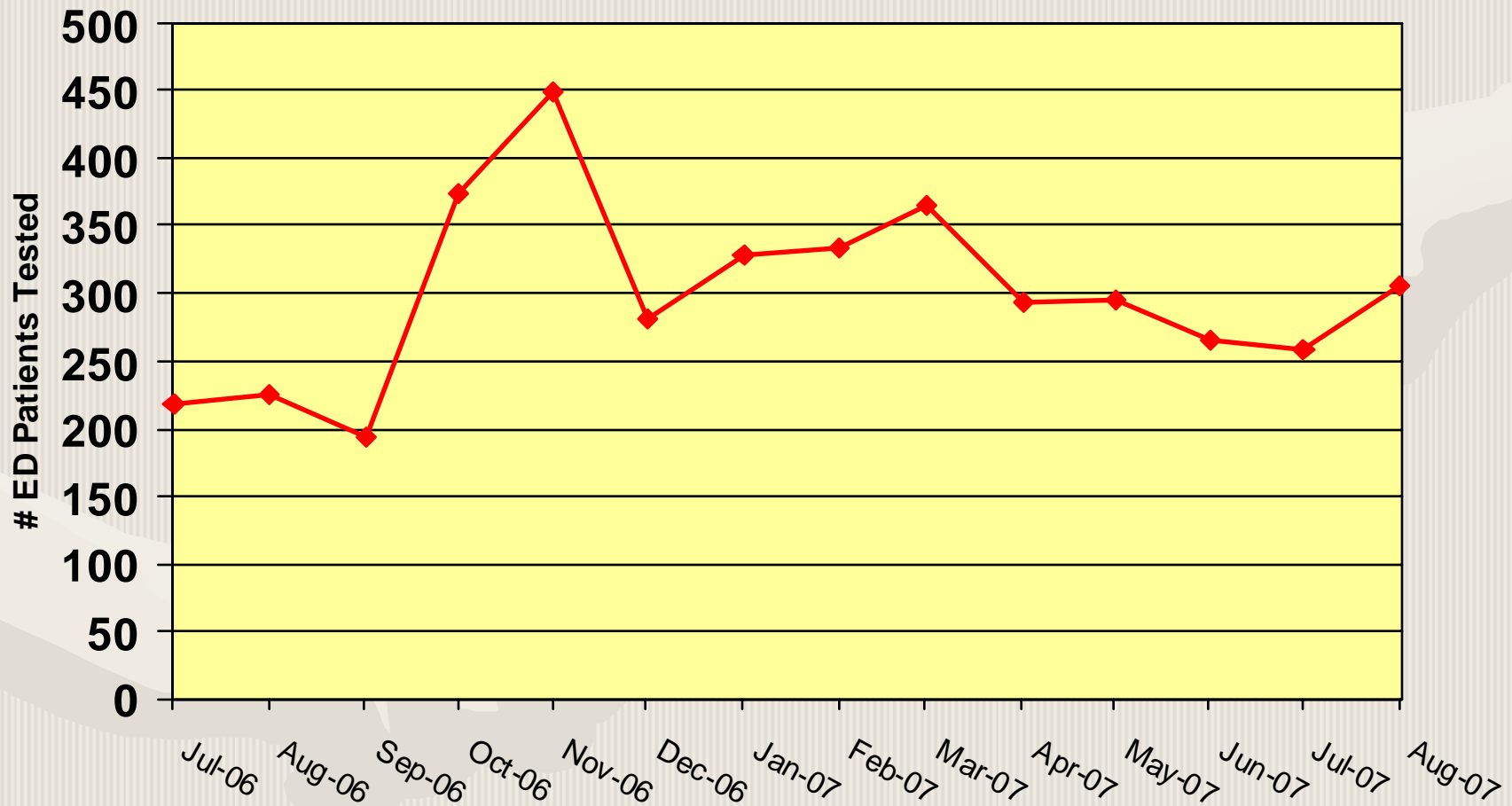
Rise in ED Testing with A Provider-Driven Model

Month 2006	Jan	Feb	May	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
# ED Pts. Tested	174	184	205	203	215	209	218	226	194	374	449



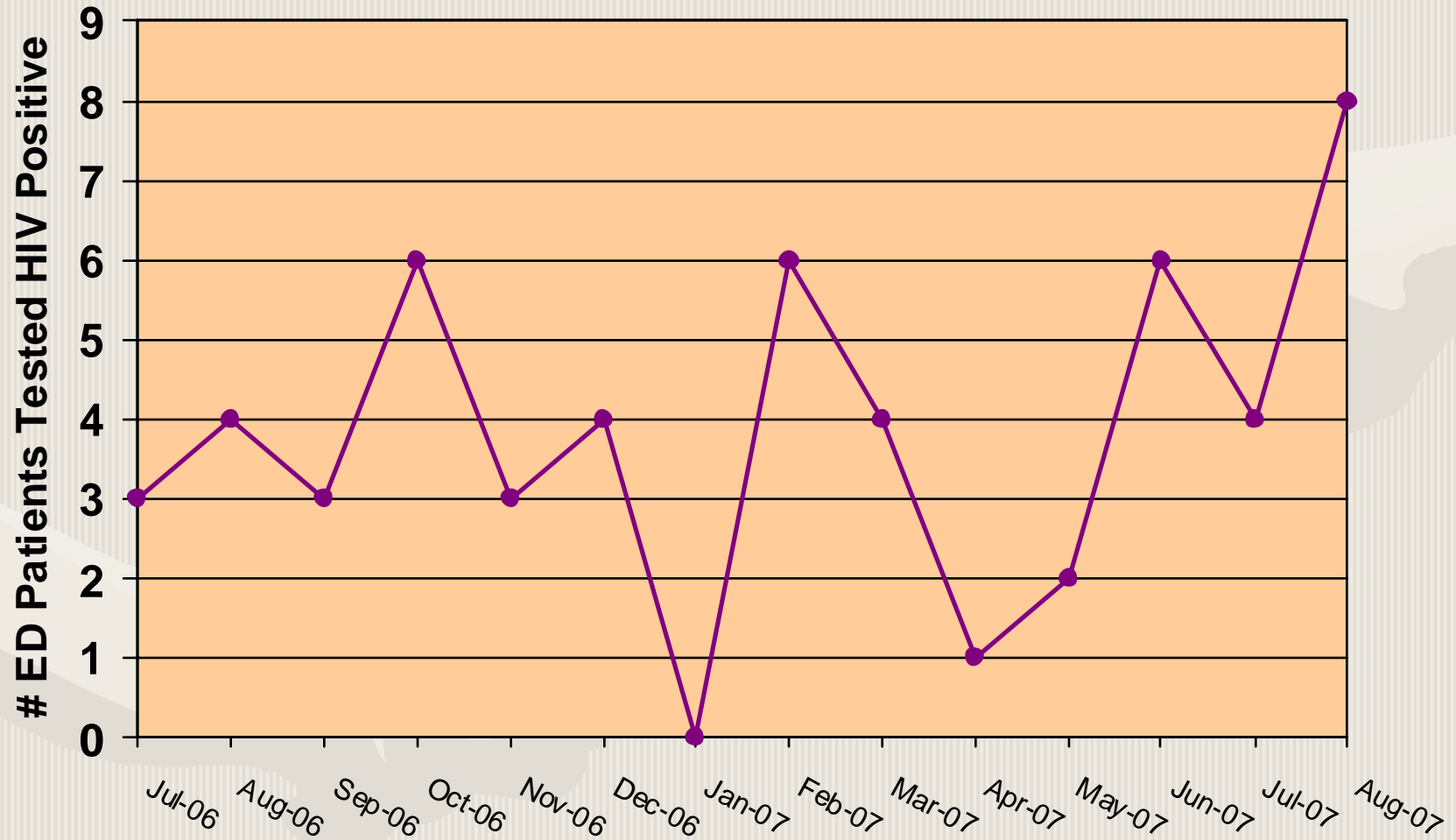


Sustaining the Rise in ED Rapid HIV Testing





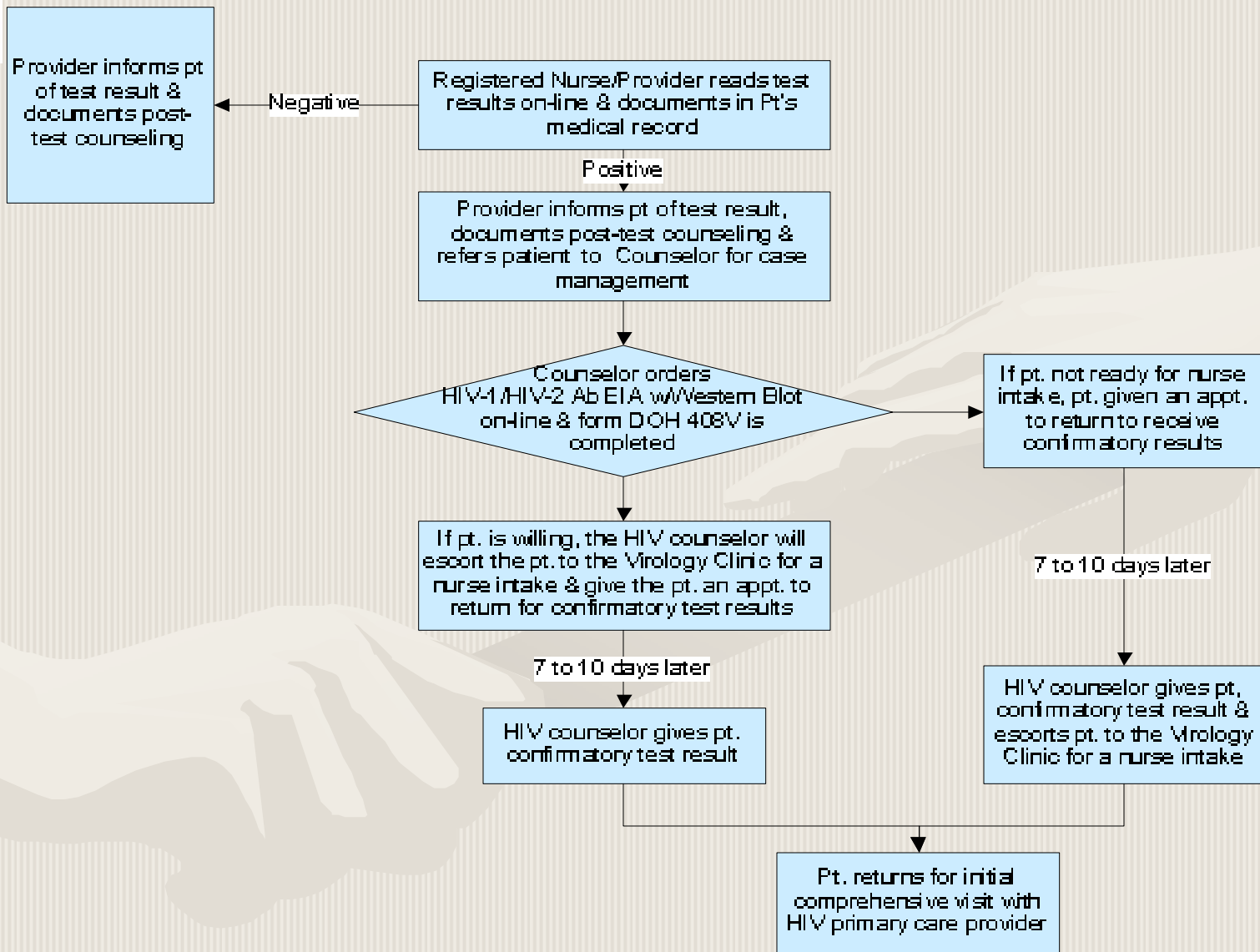
Identifying HIV+ ED Patients





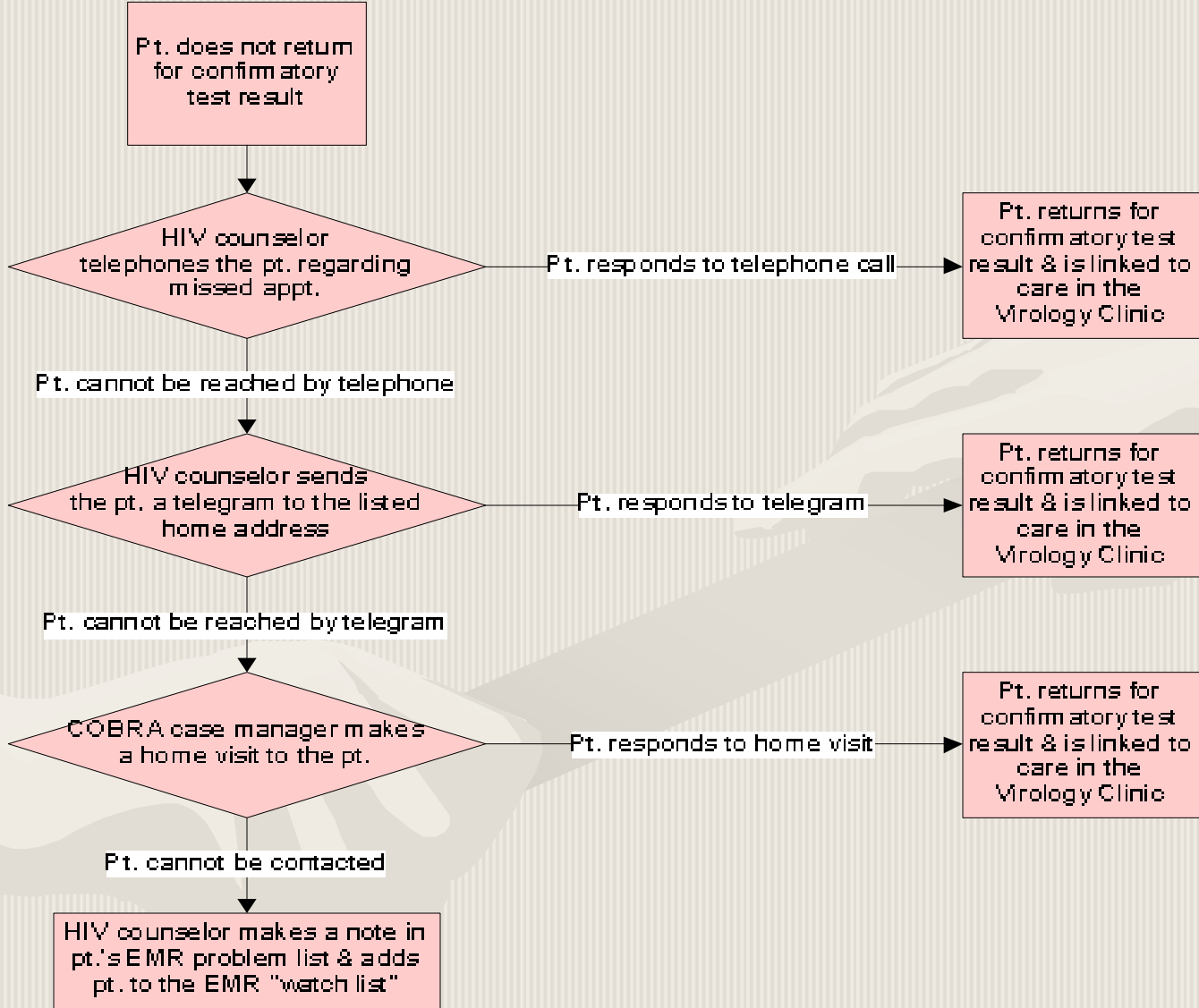
nyc.gov/hhc

Linkage to Care Procedures





HIV Counselors' Follow-Up





EMR Assisting in Linkage to Care

- HIV counselors maintain a watch list in the EMR of patients who tested HIV+ and have not returned for follow-up care
- If the patient has a visit opened, the system will automatically generate a message to the HIV counselors alerting them that the patient is in the hospital

Misys CPR - Metropolitan Hospital Center Misys CPR Production System

Watch List

#	Name	Number	Visit Cnt	Sex	Birthdate	Age	Stat
1		1610252	6	M	28 Aug 1978	29Y	
2		1094702	3	M	12 May 1955	52Y	
3		1604842	1	M	14 Sep 1978	29Y	
4		1601854	1	F	14 Jul 1946	61Y	
5		1592673	1	M	3 Sep 1985	22Y	
6		907837	4	M	24 Feb 1971	36Y	
7		1601356	2	M	4 Jan 1978	29Y	
8		1611546	1	M	1 Oct 1963	44Y	
9		1593524	1	M	7 Jul 1955	52Y	
10		1495384	13	M	6 Jul 1973	34Y	
11		1593764	1	M	2 Feb 1979	28Y	
12		1439704	4	F	2 Jan 1983	24Y	
13		1396505	10	M	8 May 1979	28Y	
14		1211359	9	M	23 Jun 1956	51Y	
15		1610011	1	M	4 Jul 1957	50Y	

Select patient or Choose option:

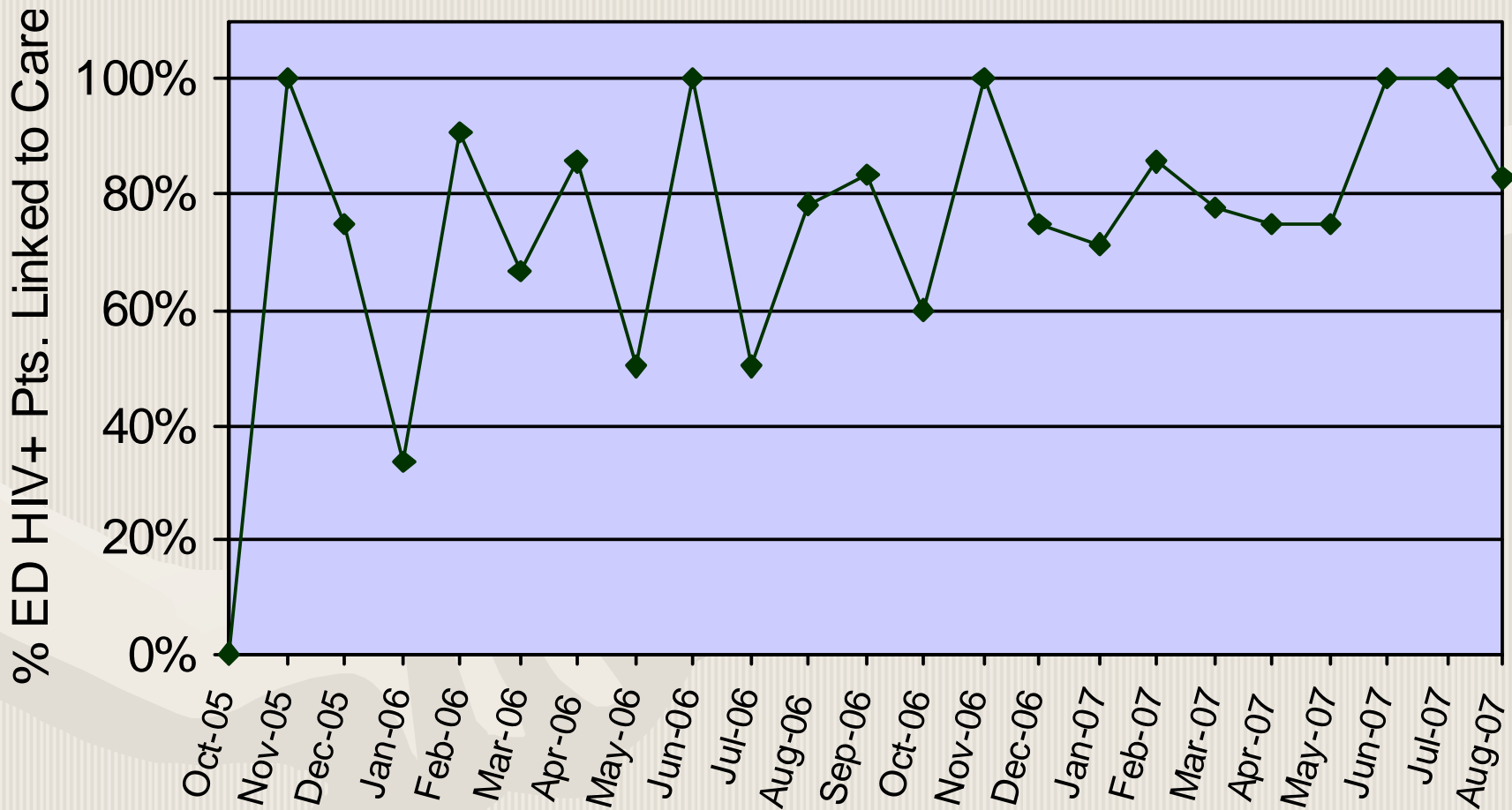
(H) View History (P) Process (R) Refresh

OK Back Expand Cancel

Rubin, Marcie October 18, 2007 10:45:09



Increasing Linkage to Care for Newly Diagnosed HIV+ ED Patients





Acknowledgment

- Selected as the best practice for Emergency Room Rapid HIV Testing in New York City
- Dr. Almond and NYCDOHMH presented at the National Alliance of State and Territorial AIDS Directors' conference on HIV testing in hospital emergency departments in Miami, FL on January 10-11, 2007



Lessons Learned

- Additional staffing resources not needed with a provider-driven model
- Continuous training is needed for current staff
- Continuous training is needed for new hires and per-diems
- Patients don't always give correct follow-up information
 - Attempt to verify prior to discharge



Advice to Others

- Dedicated multidisciplinary team with a focus on public health
- Dedicated implementation team with Nursing driving the process
- An HIV Counselor to assume an oversight role as coordinator
- Utilizing the stat laboratory instead of POCT
- Well-designed Electronic Medical Record system
- Constant follow-up, verification, reminders needed



Rapid HIV Testing Locations

- The ED is just one part of the integration of HIV testing in the public health system
- Rapid HIV Testing Locations include:
 - Emergency Department
 - Medicine Inpatient
 - Psychiatric Inpatient
 - Primary Care
 - Family Planning
 - Prenatal Care
 - Labor & Delivery
 - Walk-In Testing
 - Dental Medicine



Special Thanks

- The success of MHC's ED Rapid HIV Testing Program is due to the support of:
 - Executive Leadership
 - Medical Leadership
 - ED Nursing Staff
 - ED Physicians
 - HIV Counselors
 - HHC's Office of Corporate Planning & HIV Services
 - MHRA/HIV Care Services & NYC Department of Health & Mental Hygiene



Any Questions???