### The Whoosh: Innovative Data Exchange, Saving Time, Improving HIV Care Coordination

**Case Study: NYC Jails** 

Alison O. Jordan, Janet Wiersema, Jacqueline Cruzado-Quinones, Carmen G. Cosme-Pitre, Phillipa H. Kaplan, Jennifer Hughes, Jeffrey Herrera, Paul A Teixeira, Monica Katyal, Carlos Rodriguez-Diaz with thanks to RDE/ecompas: Jesse Thomas, Anusha Dayananda, Jean-Felix Lanoue & Alyse Rokita





#### **Acknowledgement / Disclaimer**

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- Enhancing Linkages to HIV Primary Care and Services in Jail Settings, 2007-2012
- Culturally Appropriate Interventions of Outreach, Access and Retention among Latino(a) Populations, 2013-2018
- System-level Workforce Capacity Building for Integrating HIV Primary Care in Community Health Care Settings, 2014-2018

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### Correctional Health Services Case Study #1: NYC Jails

- Goals: Effective collaboration, communication and system coordination
- Solution: Build data exchange program to led to process efficiencies and quality improvements for federal reporting and patient care coordination
- Results: Transfer of over 66 million data elements imported from electronic health record to the Transitional Care Management System, over the last three years saving time and improving service coordination.
- Partner Access: To simplify coordination and tracking efforts.
- Dissemination and Replication: Activities in Puerto Rico
- Outcomes and Lessons Learned



## HEALTH+ HOSPITALS | Correctional Health Services SPNS, NYC Correctional Health Services & Puerto Rico

Jail Linkages: NYC site found Latino/as less likely to remain engaged in care 6m

after incarceration.

Latino Initiative: NYC CHS found most Latinos/as in local jails are of PR origin; need

culturally appropriate resources after incarceration.

Workforce Capacity: NYC CHS Latino Initiative partner, One Stop Career Center of PR, to

build collaboration & coordination with corrections and engage key stakeholders; NYC CHS/Reentry & Continuity Services develops workforce capacity in PR by training employment services staff in

Transitional Care Coordination (TCC) intervention.





### Correctional Health Services Community Partners

SPNS Project	CHS Data Sharing Partners
Jail Linkages	Exponents Fortune Society Palladia, Inc. Women's Prison Association
Latino Populations	Fortune Society
Workforce Capacity	Fortune Society One Stop Career Center – PR

The Fortune Society remains a Ryan White Part A community partner offering a 'one-stop' model of coordinated care where nonmedical case management, housing assistance, substance use and mental health treatment, and employment and social services are provided after incarceration – with online access to TCMS



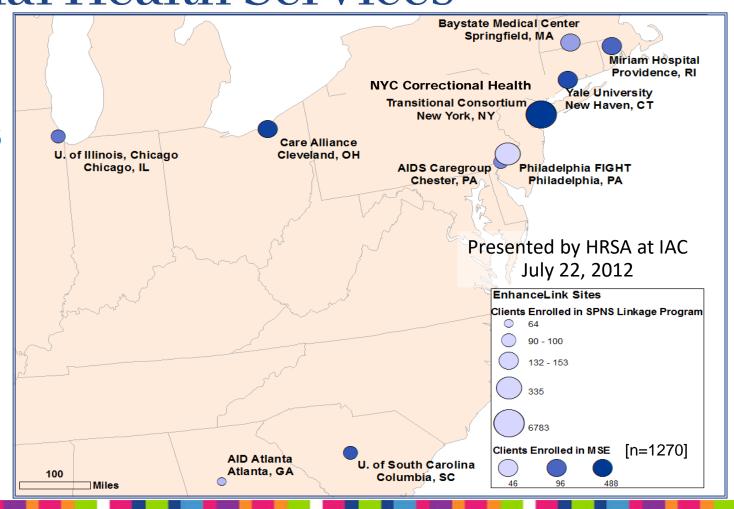


### SPNS Jail Linkages Ten Demonstration Sites

(2007-2012)

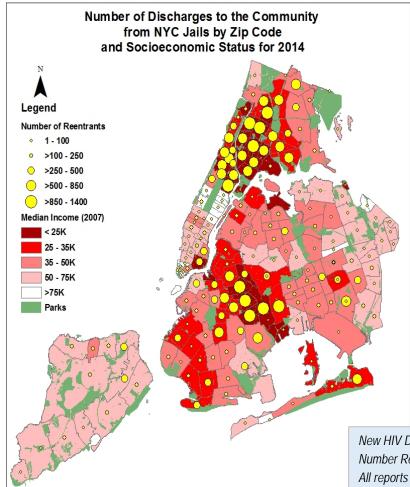
Facilitate linkage to primary care for HIV patients leaving local jails:

- Identify HIV patients in custody
- Initiate transitional services in jail
- Facilitate post-release linkage to primary care and community services.

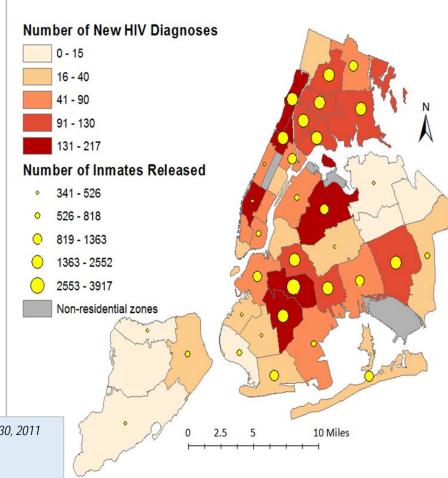








### Incarceration & HIV in NYC



New HIV Diagnoses as reported to NYC DOHMH HIV/AIDS Registry (HARS) by June 30, 2011 Number Released to Community reported by NYC DOC.

All reports for CFY2010 (July 1, 2009 to June 30, 2010).





### Correctional Health Services NYC Intervention: Transitional Care Coordination

<u>Purpose</u>: To design, implement, and evaluate innovative methods for linking persons living with HIV (PLWH) in jail settings, to community-based HIV primary care and services

#### Highlights:

- NYC CHS: 1/10 sites;
   ~40% of total enrolled
- Evaluate and disseminate NYC Transitional Care Coordination model
- Added court liaison role

- Opt-in Universal Rapid HIV Testing
- Primary care and treatment including appropriate ARVs
- Treatment adherence counseling
- Health education and risk reduction

Jail-based Services

#### Transitional Care Coordination

- Discharge Planning starting on Day 2 of incarceration
- Health Insurance Assistance / ADAP
- · Health information / liaison to courts
- · Discharge medications & scripts
- Patient Navigation: accompaniment, home visits, transport, and re-engagement in care
- Linkages to primary care, substance use and mental health treatment after incarceration

#### Community-based Services

- · HIV Primary Care
- Medical Case Management
- · Health promotion
- Patient Navigation: accompaniment, home visits, and re-engagement in care
- Linkages to Care
- Treatment adherence and Directly Observed Therapy (DOT), as needed
- Housing assistance and placement
- Health Insurance Assistance / ADAP





### Correctional Health Services Transitional Care Services

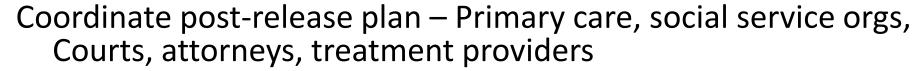
Identify population – use electronic health records

Engage client – access to housing areas

Conduct assessment – universal tool

Screen for Benefits – DSS is a partner

Arrange discharge medications – 7 days + Rx



#### Facilitate continuity of care

- Aftercare letters / transfer medical information using HIE
- Make appointments / walk-in arrangements
- Arrange transportation / accompaniment





**Access to Care** 

non-medical case management strategies to facilitate access to care

- Case conferencing
- Medical Summary / Medications
- Accompaniment / Transport
- Community Case Manager
- Directly Observed Connections
- Patient Navigation / Care Coordination

TOOLS + TIPS
FOR PROVIDING
TRANSITIONAL CARE
COORDINATION

**HANDBOOK** 

https://targethiv.org/ihip/tools-tips-providingtransitional-care-coordination





### Correctional Health Services SPNS Jail Linkages Outcomes\*

79% linkage to care rate after incarceration

Indicator		NYC CHS [N=555]		All Sites [N=1270]	
Clinical Care					
CD 4 (mean)	1	(372 to 419)	$\uparrow$	(416 to 439)	
vL (mean)	$\downarrow$	(52,313 to 14,044)	$\downarrow$	(39,642 to 15,607)	
Undetectable vL	$\uparrow$	(11% to 22%)	$\uparrow$	(9.9% to 21.1%)	
Engagement in Care					
# Taking ART	个	(62% to 98%)	1	(57% to 89%)	
ART Adherence	个	(86% to 95%)	$\uparrow$	(68% to 90%)	
Avg # ED visits p/p	$\downarrow$	(.60 to .2)	$\rightarrow$	(1.1 to .59)	
Basic Needs					
Homeless	$\downarrow$	(23% to 4.5%)	$\rightarrow$	(36.2% to 19.2%)	
Hungry	$\downarrow$	(20.5% to 1.75%)	$\downarrow$	(37.4% to 14.1%)	





### Correctional Health Services Jail Linkages: Access to Community Services

- Along with primary medical care, Jail Linkages clients were also connected to:
  - Medical case management (53%)
  - Substance abuse treatment (52%)
  - Housing services (29%)
  - Court advocacy (18%)
- Approximately 65% of clients accept the offer of accompaniment and / or transport to their medical appointment.
- 85% of those who were not known to be linked to care were found by field services team; 30% re-incarcerated.

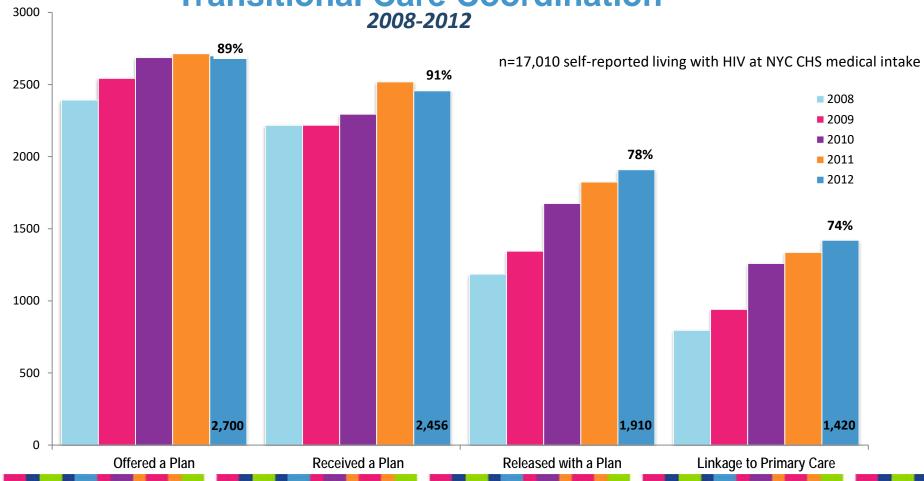
An ideal community partner offers a 'onestop' model of coordinated care in which primary medical care is linked with medical case management, housing assistance, substance use and mental health treatment, and employment and social services.





### Correctional Health Services Transitional Care Coordination









### Correctional Health Services SPNS Latino Access Initiative



Purpose: to design, implement, and evaluate innovative methods to identify Latinos/as who are at high risk or living with HIV and improve their access, timely entry, and retention in quality HIV primary care.

- > 10 Sites
  - 4 = Puerto Rican ancestry/origin
  - 6 = Mexican ancestry/origin
- Evaluation and Technical Assistance Center: University of California at San Francisco



#### "Air Bridge"

Deren et al. 2007 found:

Puerto Ricans living with HIV seek care in NYC

62% of NYC-based
Puerto Ricans had
lived in PR
42% of PR-based had
lived in NYC





#### Transnationalism<sup>5</sup>



Processes by which immigrants forge and sustain *multi-stranded relations* that link their societies of origin and settlement. Transnationalism impacts *migrants' cultural reference points* and sources of emotional and practical support, discrimination, social stigma, beliefs about health, access to health care and health care practices.



### HEALTH+ HOSPITALS Correctional Health Services Intersection of HIV/AIDS & Incarceration in Puerto Rico

Puerto Rico (PR) has the 5<sup>th</sup> highest rate of new HIV diagnoses in the U.S.

PR has the 3<sup>rd</sup> highest rate of people living with HIV

PR has a high prison population rate (303 per 100,000):

- Over 11,000 incarcerated individuals
- 98% are men in 7 correctional centers
- 6.9% of people incarcerated in PR are living with HIV

Puerto Ricans living with HIV and coming home after incarceration often need assistance, including housing, employment and transportation, to access available HIV care in Puerto Rico





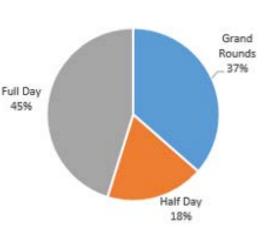
### Correctional Health Services NYC CHS Demonstration Project



<u>Objective</u>: Develop culturally competent providers and resources

- 1) Cultural competency training for NYC CHS and community providers at all levels
  - > 3 Formats
    - Grand rounds for physicians, nurse practitioners
    - Half day for nurses, social workers
    - Full day for care coordinators, patient navigators
  - Trainings delivered to:
    - Over 60 community partner agencies
    - Over 450 participants: 47% jail-based; 53% community-based
  - Sustained through online webinar series with CDC CEUs
- 2) Match clients/patients to care coordinators of PR origin
  - Linkage agreements with providers in NYC and PR









### Correctional Health Services Provider Training



#### **Key Topic Areas**

- Transnationalism
- Puerto Rican & Latino Culture
- Cultural Competency
- Strategies for Improving Care
- Also: Interactive activities

This webinar series is available for health and social service professionals!
Continuing Education credits for physicians, nurses, Certified Health Educators as well as general CE are available (CME, CNE, CHEC and CEU) <a href="http://www.bxconsortium.org/cewebinarseries.html">http://www.bxconsortium.org/cewebinarseries.html</a>

#### **NEW RESOURCES!**

Culturally approriate engagement with Latinos/as to enhance linkage and retention to HIV care

#### Webinar 1:

Curriculum Purpose, Overview, and Target Audience

Module I: Increasing Health Care Utilization among Latino/a HIV Patients

- Key Concepts:
  - Cultural Competence
  - Transnationalism
  - The Socioecological Model
  - Understanding Latino/a Culture
- The Cultural Formulation Framework
- Transnationalism in HIV Care
- The DECIDE Model
- Shared Decision Making

#### Webinar 2:

Key Concepts: The U.S. Latino/a Population

Module II: Overview of HIV/AIDS among Latino/as

- The National HIV/AIDS Strategy
- HIV Epidemic in the United States
- The HIV Care Continuum

**Module III:** HIV/AIDS and Incarceration among Latino/as: Interconnected Epidemics

- HIV/AIDS and Incarceration
- Case Study: Hector

www.bxconsortium.org/CEWebinarSeries

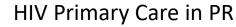


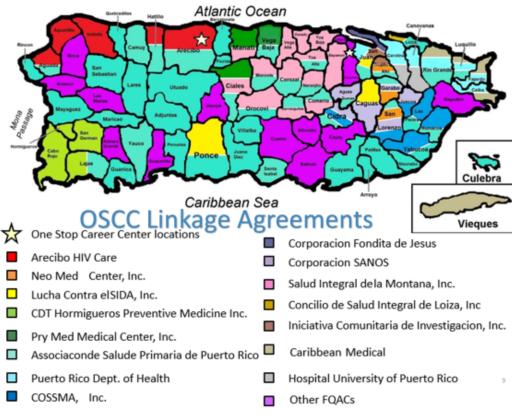




#### **Latino Access: Collaboration Outcomes**

- ➤ Over 60 MOUs with services providers across PR to address housing, primary care, employment, and other social services
- ➤ Government and community partners launched Island-wide consortium to address needs of HIV+ clients transitioning to community after incarceration
  - <u>Community providers</u> medical care, including HIV Primary Care, housing, substance use treatment, syringe exchange, support services, care management.
  - <u>Federal agencies</u> Ryan White, US DOJ
  - PR Department of Correction and Rehabilitation









### Correctional Health Services SPNS Workforce Capacity Building Initiative

<u>Purpose</u>: To design, implement, and evaluate system-level strategies to increase organizations' workforce capacities and achieve efficient and sustainable service delivery practices that both optimize human resources and improve quality outcomes.

- ➤ CHS builds capacity of PR housing & employment services agency to transform service delivery to people living with HIV after incarceration:
  - <u>Client-Level</u>: Provide transitional care coordination services to people returning to community from prison/jail
  - Organization-level: transform employment/housing services CBO to deliver transitional care
  - System-level: transform broader system to meet needs of people returning to community after incarceration







#### **Community Partner**

#### **One Stop Career Center of Puerto Rico (OSCC)**

- Partnership with PR Department of Correction and Rehabilitation
  - supports individuals coming home after incarceration
  - Job training and placement
  - Clear criminal records
  - Case management

- Housing assistance
- Eviction prevention
- Life stills training

#### **Workforce Capacity Expansion**

- HIV education in jails / prisons
- > Transitional care coordination facilitates linkage to care
- Transportation to access care after incarceration



www.onestopcareerpr.org

Career Center of Puerto Rico, Inc.

Ayudando a Forjar Caminos





### Correctional Health Services Results: Transitional Care Coordination in PR

- OSCC staff working in 13/32 correctional facilities in PR
- Prevention education/risk reduction sessions provided at jail orientations to identify potential clients (n=360)
- > 69 enrolled and completed baseline interviews
  - All receiving transitional care coordination
  - 10 additional served as part of pilot
- > 58 returned to community after incarceration
  - 54 of 58 eligible (93%) linked to HIV primary care and other services after incarceration
  - All 10 (100%) pilot participants linked to care

#### **Housing & Employment**

Housing services: 22

- 19 transitional
- 5 permanent

Job readiness: 15

- 12 employed;
- 1 volunteer;
- 2 seeking employment





### Correctional Health Services NYC CHS Workforce Collaborators

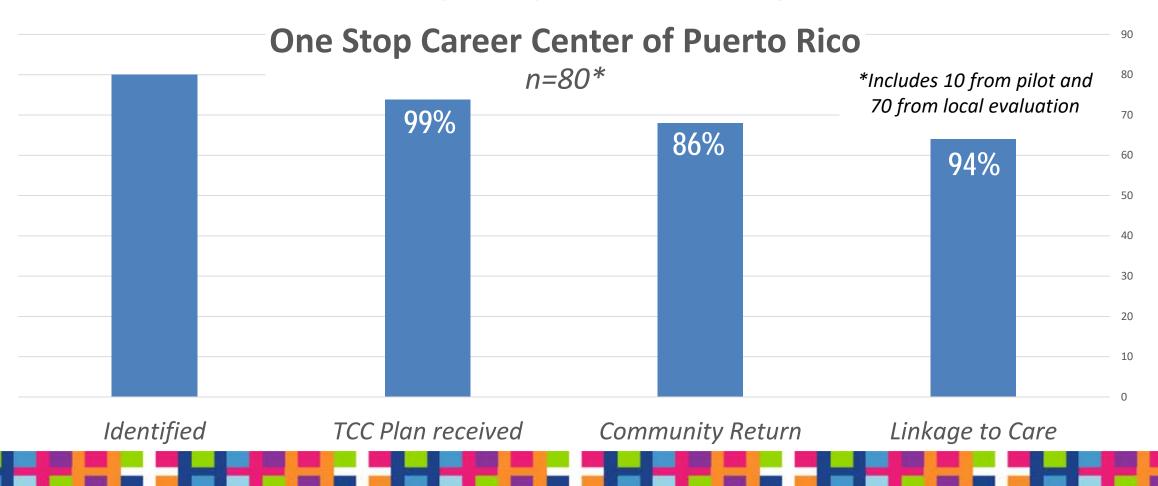
- NYC Correctional Health Services
  - Transitional Care Coordination model
  - Critical Skills for Collaboration
  - ACASI survey administration
- One Stop Career Center of Puerto Rico
  - Intervention Implementation
  - Leads Transitional Consortium
- Puerto Rico Department of Health
  - HIV/AIDS 101/ HIV Prevention
  - Basic Principles of Rapid HIV Testing
  - Sexually Transmitted Infections 101
  - Crisis Intervention
  - HIV/AIDS Stigma

- Florida/Caribbean AIDS Education and Training Center
  - HIV and Incarceration
- Programa Sigue Adelante
  - You are the tool to achieve equity
- Collaborative Institutional Training Initiative (CITI)
  - Human subjects research
- University of Puerto Rico (local evaluator / co-PI)
  - Training / oversight for local program evaluation
  - Data review / quality assurance
  - Publication / dissemination





#### **Transitional Care Coordination Cascade**







### Correctional Health Services Implementation Challenges

- Identifying right fit programs: personal relationships v. formal expertise
- Proposal evaluation methodology favors existing programs
- Formal authority/documents from predecessors are insufficient to gain buy-in
- Culture of corrections varies by location/jurisdiction
- Opening/closing of programs absent formal communication system
- Frequent turnover and changes in local government leadership
- Poor local economy, lack of affordable housing/shelters
- Hurricane Maria...

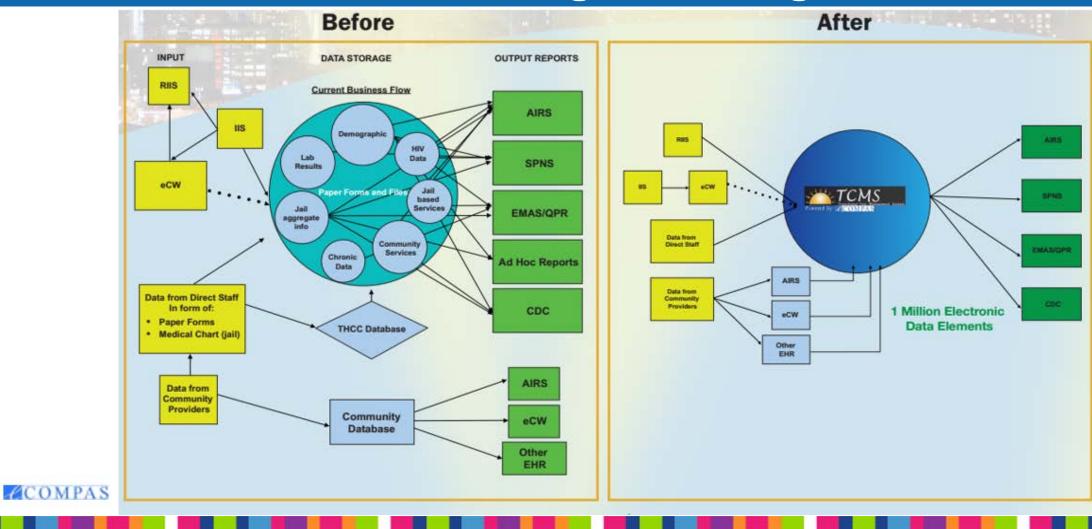


Manati

OSCC Executive Director and staff secure & distribute food and essentials



#### **SPNS** Jail Linkages: Making the Case







#### SPNS Jail Linkages: Making the Case

#### **Challenges**

- Time spent on entering data into multiple excel sheets hence less effective and lower efficiency
- X Time spent on cleaning up errors in multiple excel sheets
- Double data entry
- Communication back and forth on data clean up
- X No ability to monitor real time activities

#### **Solutions**

- ✓ No more paper/excel sheets thus improved effectiveness and efficiency
- ✓ Work smarter and not harder
- Projected to redirect 10-15% from admin to direct service delivery
- Partners can access information with consent on file
- ✓ No more double data entry, direct data integration from EMR.
- Instant access to management reports
- Accountability of community partners

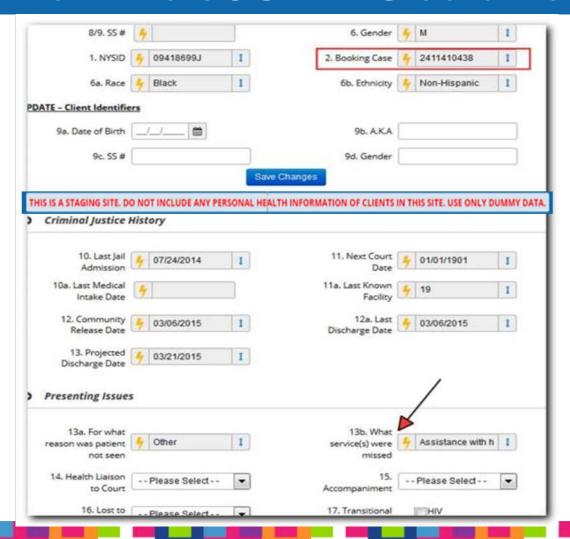






#### The Whoosh! ... eHR to eCOMPAS data flow

represents a data element that is "Whooshed" from NYC CHS electronic health record (EHR) into TCMS



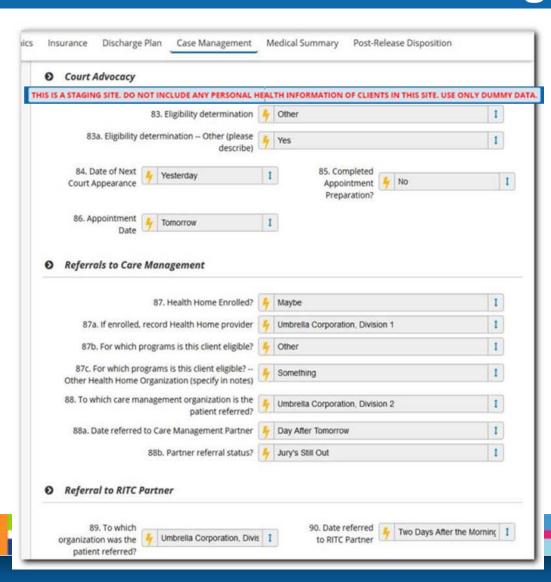






#### The Whoosh! ... Transitional Care Management System

and, through an interface, imports meaningful data points for the end user.



TCMS facilitates coordinated care management with multiple service providers and facilitates crosssystem collaboration.

HEALTH+

Correctional

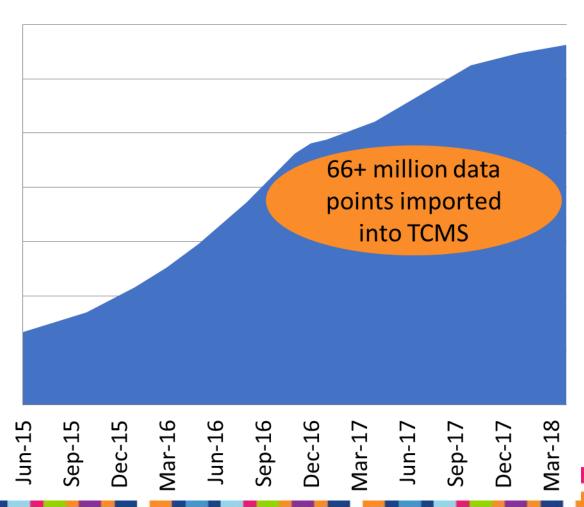
**Health Services** 





#### Process Outcome: TCMS Data Feeds (the Whoosh!)



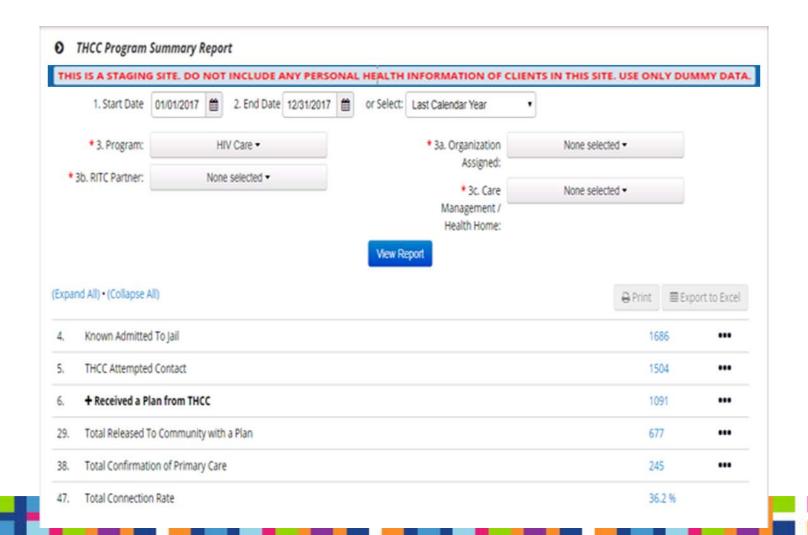








#### Results: Program Management Summary Report

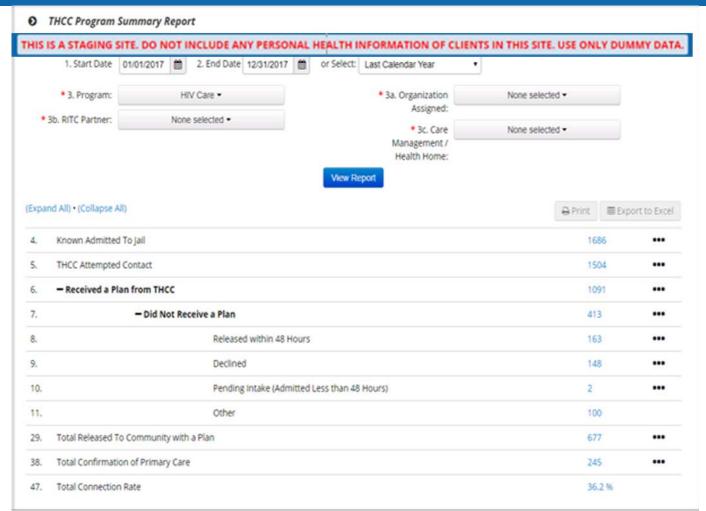








#### Quality Improvement: Collapse-expand feature



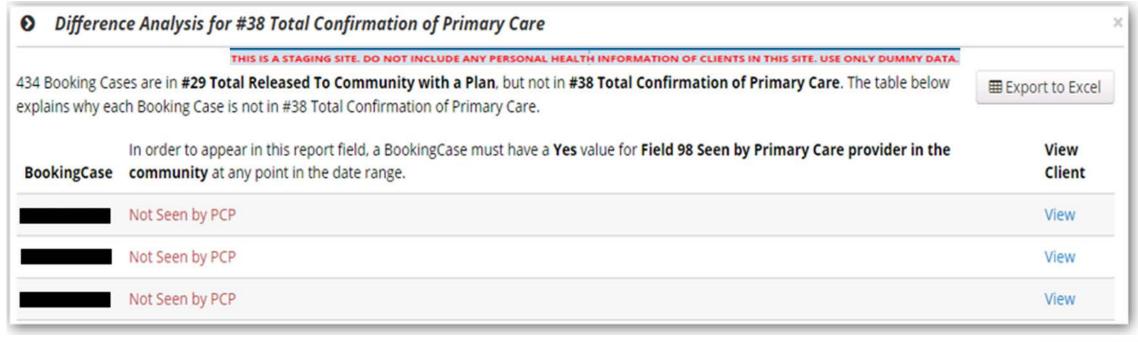






#### **Actionable Data: Exceptions Report**

TCMS Exceptions Report helps NYC CHS easily find list of clients NOT in the indicator. Reasons are listed so next steps can be taken to document community access to care:









#### SPNS Latino & Workforce: Air Bridge Challenge



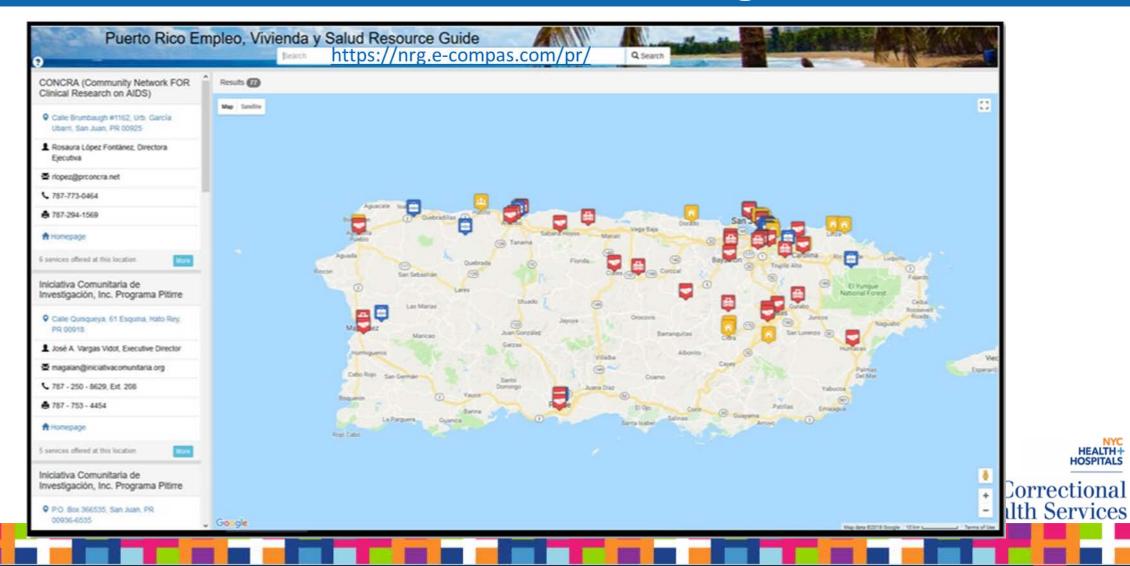








#### SPNS Latino & Workforce: Air Bridge Solution



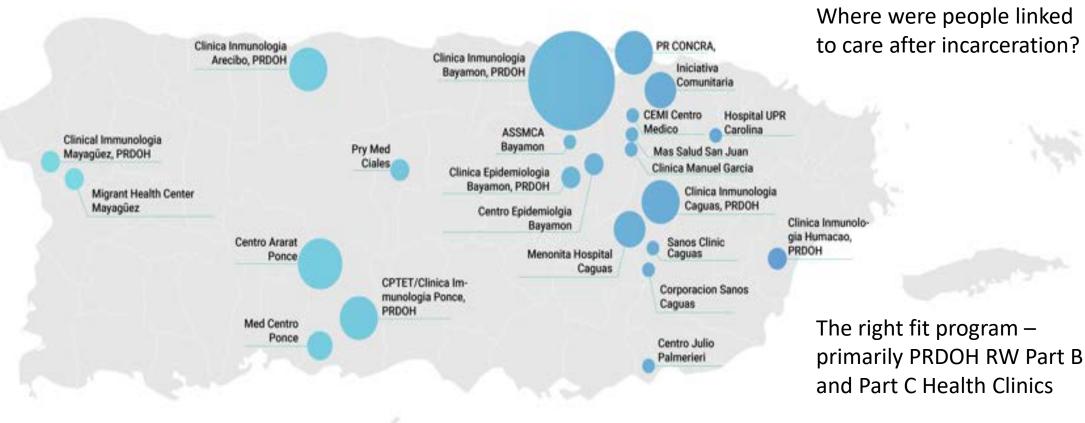
HEALTH+

HOSPITALS





#### **SPNS Workforce Capacity Building**





Linkages to Care in Puerto Rico



HEALTH+ HOSPITALS





### Correctional Health Services Lessons Learned

- 1. Networking with other agencies & jurisdictions identified core organizations and champions
- 2. Pooling resources + working with government helps establish best practices to facilitate continuity of care
- 3. Coordination & collaboration between Ryan White service network and local CBOs improves access for those out of care.
- 4. Build on established relationships, develop formal agreements, create synergy among medical & service programs (housing, employment, mental health / substance use)
- 5. Participate & engage with RW HIV Planning Council key stakeholders

- 6. Annual convening of stakeholders helps create strategies to address population needs
- 7. Data systems integration helps improve care coordination, data reporting & quality management
- 8. Transitional Consortium leadership supports relationships & leverages resources to coordinate care
- 9. Engaging client during incarceration fosters relationships to endure after incarceration
- 10. Transportation access helps ensure linkage to care after incarceration





#### **Collaborations**

#### *Inform and inspire:*

☐Best practices

☐ Cost analyses









#### References

- 1. Jordan AO, et al., Transitional Care Coordination in New York City Jails: Facilitating Linkages to Care for People with HIV Returning Home from Rikers Island AIDS and Behavior, October 2013
- 2. Teixeira PA, et al., Health Outcomes for HIV-Infected Persons Released From the New York City Jail System With a Transitional Care-Coordination Plan. American Journal of Public Health, February 2015
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- 5. Basch L, Glick Schiller N, Blanc-Szanton C, eds. Nations Unbound: Transnational Projects, Postcolonial Predicaments, and Deterritorialized Nation-States. London: Gordon and Breach; 1994
- 6. Tinsley M, Spaulding AC, Altice F, Strauss IH. *Enhancing Linkages to Primary Care & Services in Jail Settings, A Critical HIV/AIDS Bureau Initiative,* International AIDS Conference, June 22, 2012





COMPAS

Correctional Health Services



# Wrap Up / Lessons Learned Discussion



# e2Poll: Did we meet your learning objectives?





National, State and EMA-level Insights: Leveraging Partnerships & Data Systems for Program Monitoring and Outcomes. (#Session ID 11077)

Health HIV; Louisiana Office of Public Health; Tampa-St. Petersburg EMA;

**RDE Systems** 

Wed. 10:30 a.m.-12:00 p.m.Room: Chesapeake C

Actuating Care in Iowa, Dallas, TX, and Paterson, NJ Using Multilingual, Evidence-Based Needs Assessments. (#Session ID 13019)

Iowa State AIDS Program; Dallas BMA; Bergen – Passaic NJ TGA;

**RDE Systems** 

Wed. 1:30 p.m.-3:00 p.m. Room: National Harbor 8

The Whoosh: Innovative Data Exchange, Saving Time, Improving HIV Care Coordination- NYC Jails and Boston. (#Session ID 13002)

INYC Health + Hospitals - Correctional Health Services; Boston Public Health Commission, HIV/AIDS Services Division; RDE Systems

Wed. 4:00 p.m.-5:30 p.m. Room: Maryland B 4/5/6

Bridging the Data (Systems) Divide! Integrating Data Systems for Better HIV reporting and Care Coordination. (#Session ID 11079)

Boston Medical Center; Parkland Health & Hospital System; Northeast/Caribbean AETC; University of Puerto Rico; RDE Systems

Thurs. 10:30 a.m.-12:00 p.m. Room: National Harbor 4/5

Learnings from Implementation and Integration of Interventions from the SPNS Latino Transnational Initiative. (#Session ID 13008)

University of Puerto Rico; HRSA; AIDS Foundation of Chicago; RDE Systems

Thurs. 10:30 a.m.-12:00 p.m. Room: Chesapeake 1/2/3

Emerging Issues, Part A & B Resource Trends, and Using RWHAP Funds Efficiently by Saving Time and Money. (#Session ID 11047)

HRSA; Tampa-St. Petersburg EMA; RDE Systems

Thurs. 1:30 p.m.-3:00 p.m. Room: Maryland C

Improving HIV Outcomes in Rural and Urban Settings: A Tale of Two Emergency Department Strategies. (#Session ID 11084)

Columbia University/ New York Presbyterian; University of Nebraska Medical Center; ECU Brody School of Medicine; RDE Systems

Thurs, 4:00 p.m.- 5:30 p.m. Room: Chesapeake 6

SPNS Systems Innovations and Consumer Empowerment: Paterson, NJ. (#Session ID 12786)

Bergen – Passaic NJ TGA; RDE Systems

Fri. 8:30 a.m.-10:00 a.m. Room: National Harbor 15

How to Share and Leverage Data in Good Times and in Bad. (#Session ID 12796)

Centro-Ararat, Puerto Rico; East Boston Neighborhood Health Center, Boston; Allegheny Health Network, Pennsylvania; RDE Systems

Fri. 10:15 a.m.-11:45 a.m. Room: Chesapeake 1/2/3



#### **Contact Us**

**Jesse Thomas** 

**RDE Systems** 

Jesse@rdesystems.com

Alison O. Jordan

NYC Health + Hospitals

Correctional Health Services

ajordan@nychhc.org

**Katherine (KC) D'Onfro**City of Boston
Department of Public Health

