North Carolina’s Engagement in Care Database for HIV Outreach (NC ECHO)

A Collaborative Effort

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NC ECHO // Under the Hood

Siloed Care and Surveillance Databases

Probabilistic Linkage

Person-Level HIV Care Summaries for HIV Care Continuum & Out-of-Care Lists for Care Re-engagement Efforts

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HIV Continuum of Care in North Carolina, Evaluation Years 2009 and 2015*

*2015 data are preliminary (do not include vital records or national death matches).
*At least 1 care marker (viral load, CD4, or ARV dispense) in a given year.
**Retained in care is defined as being virally suppressed OR having 2 or more care visit (viral load, CD4, or ARV dispense) at least 90 days apart in a given year.
De-siloing Multiple Data Systems

• HIV/STD Surveillance Unit (eHARS)
  – HIV/AIDS Case Registry

• Surveillance Systems Unit (NC EDSS)
  – General Purpose Surveillance System

• AIDS Care Unit / Ryan White Programs
  – CAREWare, NC Part B Subrecipients
  – ADAP, statewide

• Medicaid Claims:
  – HIV Disease and Care Indicators
NC ECHO Contributes to Situational Awareness of HIV Care
Public Health Interventions

• State Bridge Counselors utilize NC ECHO Out-of-Care Lists for follow up
  – Prioritized by Risk Group
  – Time Out-of-Care

• SBC’s also work on care linkage referrals and provider “Out-of-Care” referrals

• ADAP has an outreach specialist
Anticipated Products

• Within the Communicable Disease Branch, identification of QA issues/ unexpected patterns
  – HIV care arker (Viral Load, CD4, ARV) completeness
  – Compare the relative validity of fields/ Data Quality

• Medicaid: Detection of potentially Out-of-Care Managed Care clients

• Building more comprehensive longitudinal care marker maps for NC PLWHA
How We Arrived Here

- Data Use Agreement with DMA for NC ECHO similar to annual request to fulfill HRSA grants
- CDC/HICSB “Not-in-Care” was original template for Out-of-Care line lists
- SPNS-funded development resources focused on process fragilities and scalability
Thank You!

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