

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



A Collaborative Effort

Brad Wheeler, MPH
HIV Care Epidemiologist
North Carolina



NC ECHO

North Carolina
Engagement in Care
Database for HIV Outreach

NC ECHO // Under the Hood

Siloed Care and Surveillance Databases

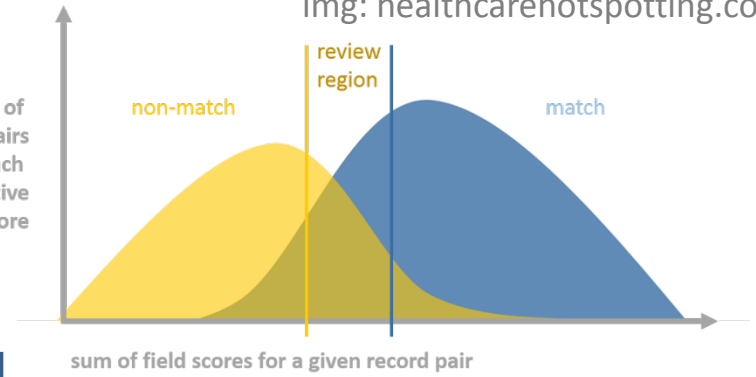


Probabilistic Linkage



img: healthcarehotspotting.com

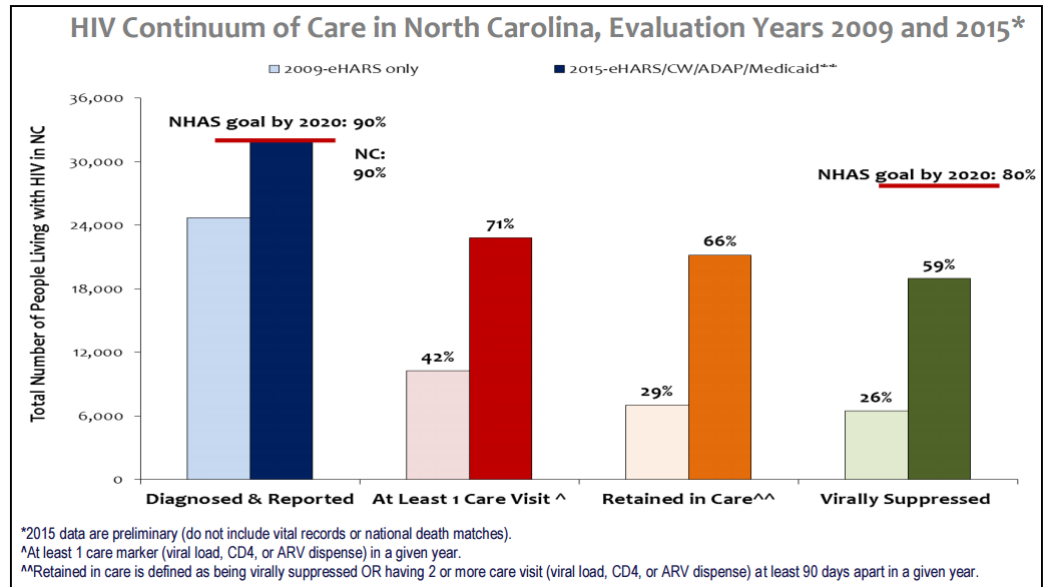
number of record pairs at each cumulative score



Person-Level HIV Care Summaries for HIV Care Continuum

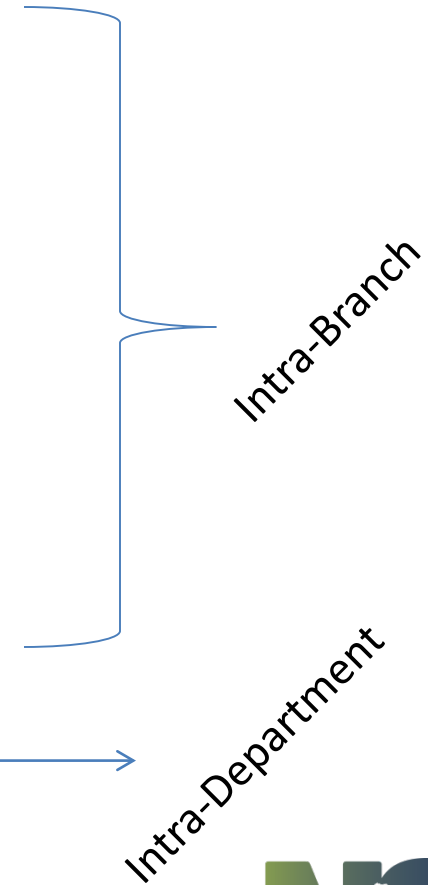
&

Out-of-Care Lists for Care Re-engagement Efforts

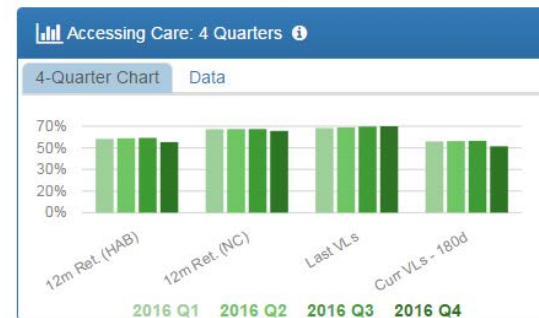
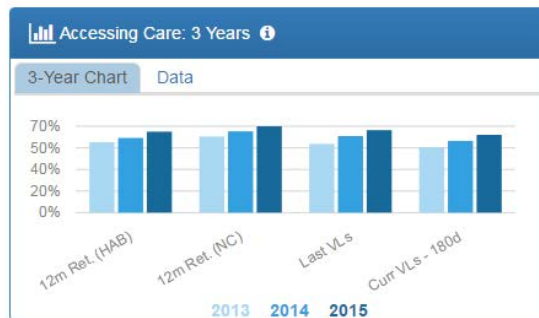
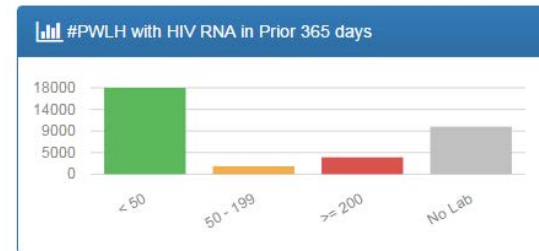
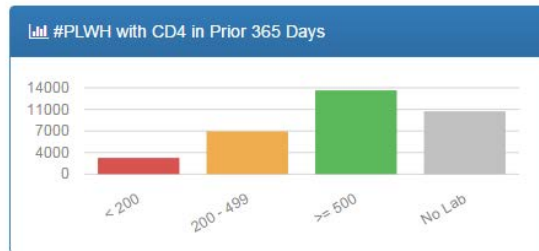


De-siloing Multiple Data Systems

- 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 marker (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!

Brad Wheeler – HIV Care Epidemiologist
Communicable Disease Branch, NC DHHS
brad.wheeler@dhhs.nc.gov

Bob Winstead – AIDS Care Program Manager
Communicable Disease Branch, NC DHHS
robert.winstead@dhhs.nc.gov

David Angevine – Analytics Manager
Community Care of North Carolina
dangevine@n3cn.org