

Most Accurate Data Sources for Obtaining Contact Information on Adults Diagnosed with HIV for Public Health Purposes

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BACKGROUND

Out-of-Care Persons Are a Key Population

- **Elevated risk for morbidity/mortality**
- **Elevated risk for transmission**
- **Important for research, surveillance, and targeted intervention**

Existing HIV Surveillance Systems Provide Limited Data on Out-of-Care

- **National HIV case surveillance system**
 - Mandated HIV reports on new cases and lab testing
- **Medical Monitoring Project (MMP)**
 - Actively collected interview and medical record data
 - Historically selected participants through HIV facilities
- **Both based on contact with health system**

Setting

- **Case Surveillance-Based Sampling (CSBS) demonstration project**
 - Pilot of a new sampling method for MMP based on all diagnosed adult HIV cases
 - Includes people receiving and not receiving HIV care
 - Intended to fill knowledge gaps on out-of-care population
- **Poster: Inclusion of HIV-Diagnosed Persons Not Receiving HIV Care in the Medical Monitoring Project**

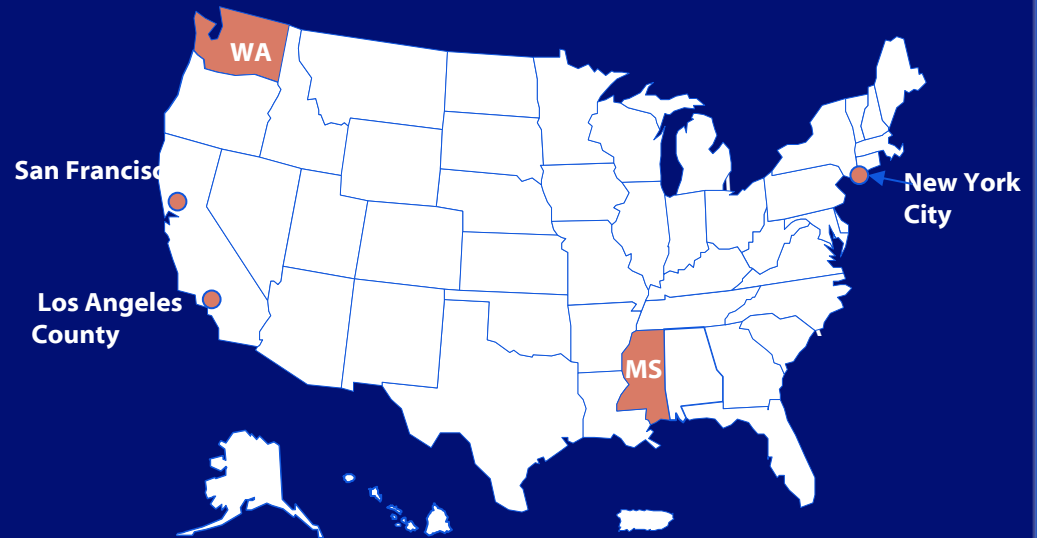
Importance of Current Analysis

- **Use of surveillance data to identify and contact out-of-care persons increasingly common**
- **New methods needed to generate leads for location**
- **Systematic comparison of data sources not yet performed**

METHODS

CSBS Basics

- All living HIV-diagnosed adults eligible
- 5 project areas
- Attempted to use multiple data sources
- Interview and medical record abstraction



Process Data

- **Collected by interviewers**
- **Included:**
 - Data sources used
 - Accurate data sources, i.e. information that led to the correct contact information

Data Analysis

- **Data used from first 2 project years (11/2012-6/2014)**
- **Data from one project area excluded due to data anomalies currently under investigation**
- **Organization of results**
 - Accuracy of case surveillance
 - Accuracy of additional data sources

RESULTS

Dataset Overview

- **Complete recruitment data for 1793 persons**
- **Accurate contact information was obtained for 1172 (65%) of sampled persons**

Accuracy of Specific Types of Case Surveillance Information Among Located Persons 2012-2013*

		Project Area				
		PA1 (N=198)	PA2 (N=369)	PA3 (N=248)	PA4 (N=357)	Total (N=1172)
Any Personal Info		98 (50%)	223 (60%)	54 (22%)	147 (41%)	522 (45%)
	Address	42 (21%)	223 (60%)	50 (20%)	143 (40%)	458 (39%)
	Phone	99 (50%)	9 (2%)	7 (3%)	135 (38%)	250 (21%)
Facility		141 (71%)	304 (82%)	155 (63%)	286 (80%)	886 (76%)

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23 Additional Data Source Types

- **Public health: STD, partner services**
- **Clinical: HIV care facility, Ryan White**
- **Internet: People search engines, Google**
- **Non-internet: Department of Motor Vehicles**

Data Sources Most Commonly Consulted for Contact Information—2012-2013 (N=1793)

Data Source Used	% of Sampled Persons for Whom Source Used
HIV Care Facility	62
STD or Partner Services	58
People search engine, e.g. Lexis-Nexis ¹	46
Ryan White Administrative Database	31
Prison or Jail	28
Internet Search, e.g. Google ²	28
Supplementary HIV laboratory surveillance database	26
Social Services Databases	20
Integrated disease surveillance system	18
ADAP List ³	4

1. Includes: Lexis-Nexis, Spokeo, and MetroSearch
2. Includes: Google, WhitePages, and 411
3. AIDS Drug Assistance Program (ADAP)

Most Commonly Consulted Data Sources Vary by Site—2012-2013*

PA1	PA2	PA3	PA4
Auxiliary HIV Database, 90%	Prison/Jail, 97%	HIV care facility, 81%	HIV care facility, 55%
Ryan White Database, 83%	People search, 92%	People search, 43%	Auxiliary HIV Database, 26%
STD/Partner Services, 71%	Public Services Data, 90%	STD/Partner Services, 43%	STD/Partner Services, 25%
HIV care facility, 50%	STD/Partner Services, 91%	Ryan White Database, 29%	People search, 24%
People search, 18%	Internet, 87%		Ryan White Database, 22%
	Social Services Databases, 72%		ADAP, 11%
	HIV care facility, 64%		Internet, 10%
	Integrated disease surveillance system, 63%		

*Only databases consulted for $\geq 10\%$ of persons investigated are included

Data Sources Providing Accurate Contact Information Among Located Persons—2012-2013 (N=1172)

Database Used	Provided Accurate Information, %
HIV Care Facility	54
Integrated disease surveillance system	19
People search engine, e.g. Lexis-Nexis ¹	15
Ryan White Administrative Database	11
Social Services Databases	8
STD or Partner Services	8
Supplementary HIV laboratory surveillance database	7
Internet Search, e.g. Google ²	4
ADAP List	2
Prison or jails	1

1. Includes: Lexis-Nexis, Spokeo, and MetroSearch

2. Includes: Google, WhitePages, and 411

3. AIDS Drug Assistance Program (ADAP)

Data Sources Most Commonly Providing Accurate Contact Information Among Located Persons by Site—2012-2013*

PA1	PA2	PA3	PA4
HIV care facility, 66%	Integrated disease surveillance system, 59%	HIV care facility, 71%	HIV care facility, 50%
Ryan White Database, 51%	HIV care facility, 39%	People search, 12%	People search, 13%
Auxiliary HIV Database, 41%	Social Services Databases, 27%		
STD/Partner Services, 22%	People search, 23%		
	Internet, 10%		

*Only databases providing accurate information for $\geq 10\%$ of persons investigated are included.

Adjusted Response Rate by Project Area—2013

	Interviews Completed (%)
PA1	93 (48.0)
PA2	131 (44.5)
PA3	84 (42.7)
PA4	146 (49.4)
Total	454 (46.1)

DISCUSSION

Limitations

- **Data sources only queried until sampled person found**
- **High performing health departments with complete or near complete lab reporting**

Conclusions

- **Multiple data sources helpful**
 - Most helpful data sources varied from project area to project area
- **HIV care facilities and HIV surveillance most accurate**
- **Routine collection and importation of contact information into case surveillance databases helpful**
- **Developing new or expanded access to data sources such as electronic medical records or social services databases likely to improve success**

Thank You

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333

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