



# Utilizing Administrative Records in the 2020 Census

SDC/CIC Steering Committee Update  
October 24, 2014

# Utilizing Administrative Records

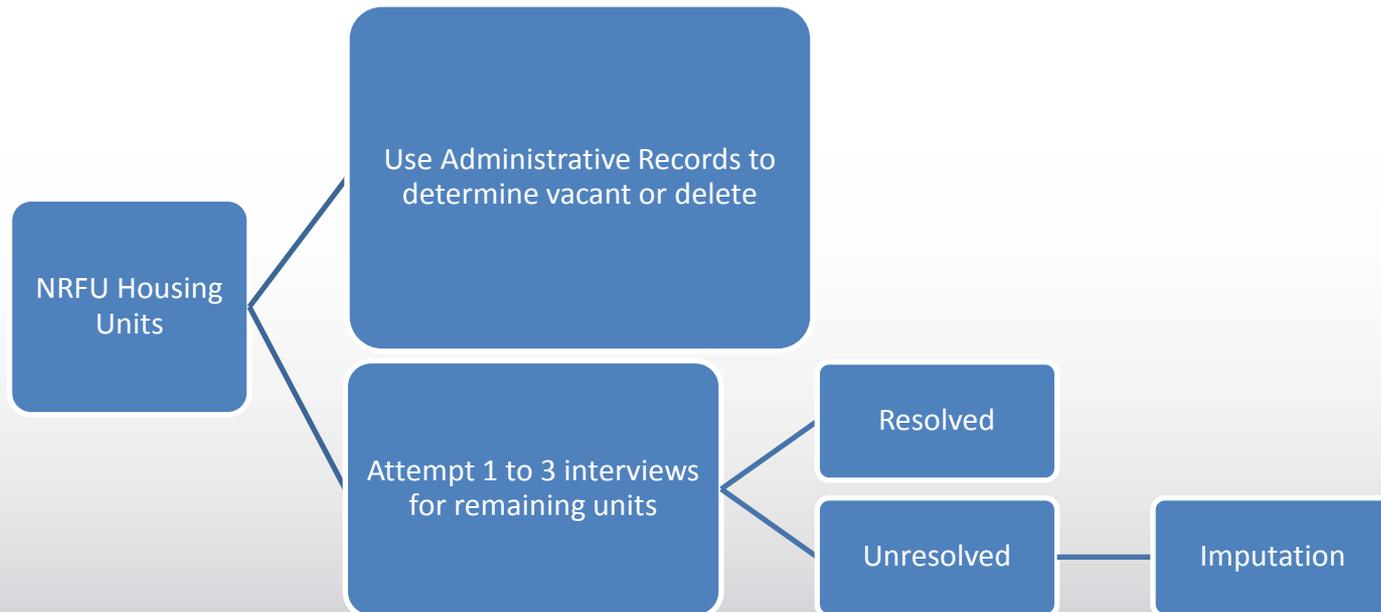
- One of the four key design areas related to the preliminary 2020 Census design decision
- Announcement of the decision planned for September 2015

# Utilizing Administrative Records

- Design Option 1
  - Match administrative records to the NRFU universe
  - Remove vacant and deleted housing units

# Utilizing Administrative Records

## ■ Design Option 1

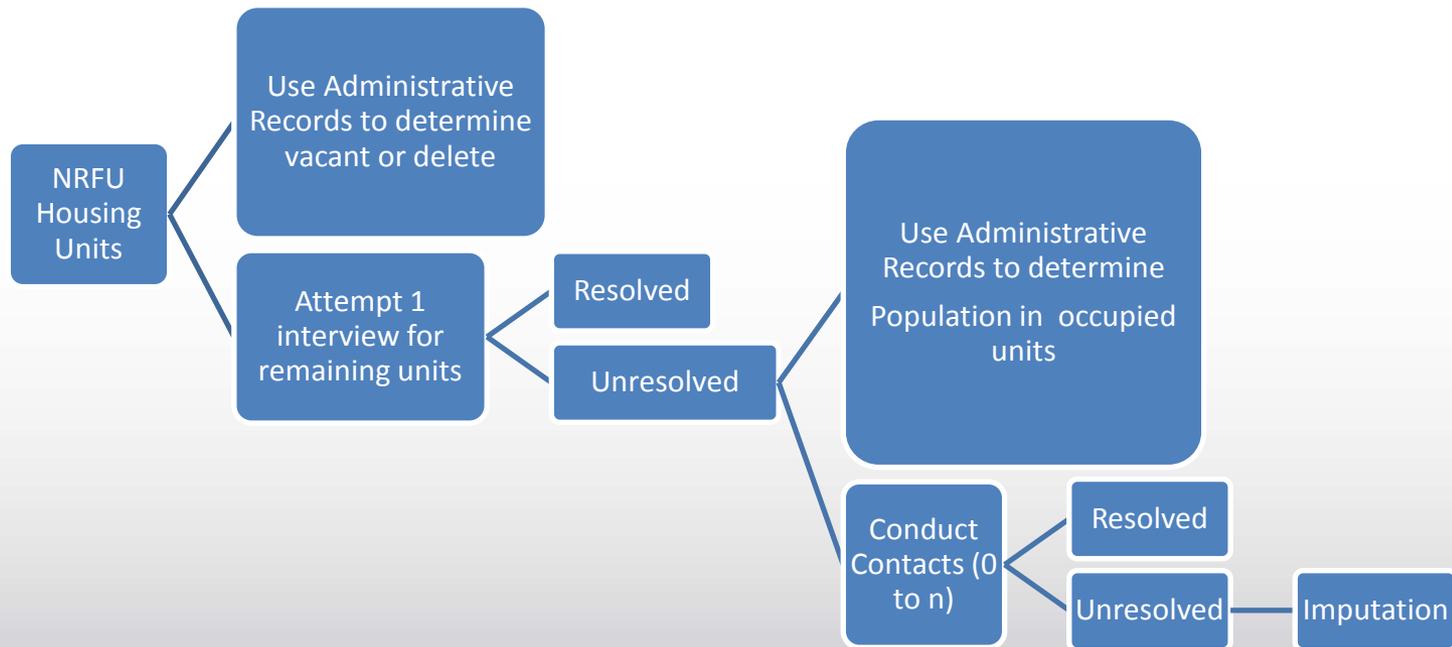


# Utilizing Administrative Records

- Design Option 2
    - Match administrative records to the NRFU universe
    - Remove vacant and deleted housing units
- AND**
- Identify occupied units
  - Reduce NRFU in-person visits to 1

# Utilizing Administrative Records

## ■ Design Option 2

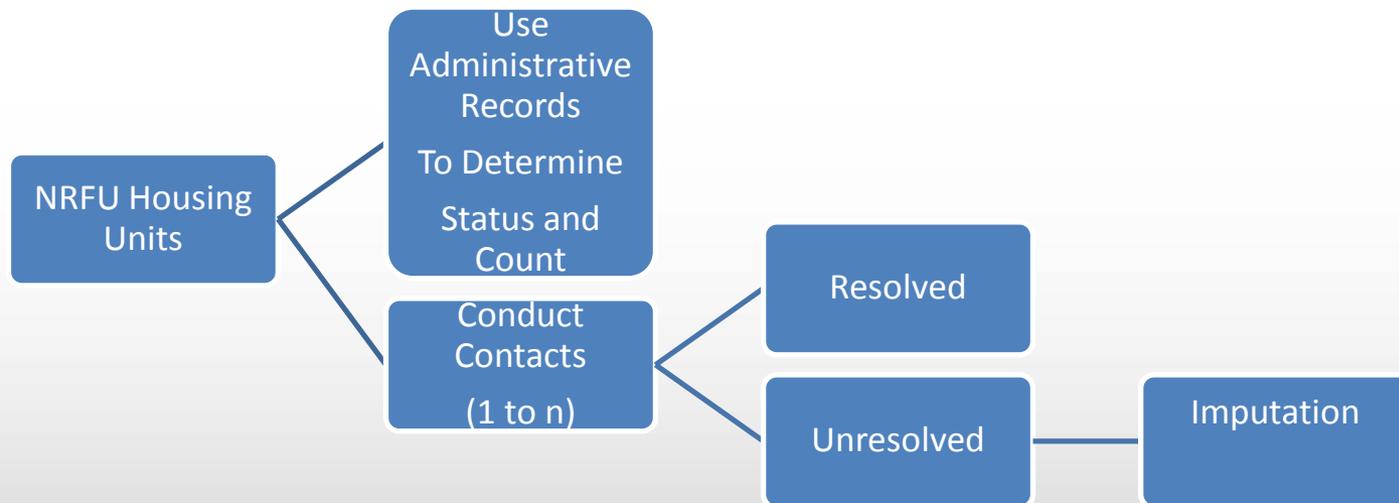


# Utilizing Administrative Records

- Design Option 3
    - Match administrative records to the NRFU universe
    - Remove vacant and deleted housing units
- AND**
- Identify occupied units
  - Eliminate NRFU in-person visits

# Utilizing Administrative Records

- Design Option 3



# Utilizing Administrative Records

- Key Questions

- Which administrative records are necessary to support the 2020 Census?
  - Federal government data
  - Tribal, state, and local government data
  - Third-party data
  - A combination of the above
- Does the Census Bureau already have access to the data or is acquisition required?

# Utilizing Administrative Records

- Key Questions

- How accurately does the Census Bureau remove occupied and vacant cases from the NRFU workload?
- Is there enough characteristic data to enumerate each person in the household?
  - Name, Sex, Age, Hispanic Origin, Race, Housing Unit Status (occupied vs. vacant), and Housing Unit Tenure
  - What characteristic data are available from each source?
  - How many characteristics are required to enumerate the household?

# Utilizing Administrative Records

- Key Questions

- Are proxy responses for NRFU addresses more or less accurate than the administrative records for a housing unit?
- Are proxy responses more valuable in certain geographic areas than in others?

# Utilizing Administrative Records

- Key Questions

- How can administrative records be used in support of the 2020 Census beyond the design options outlined above?
- What is the public's perception of the Census Bureau's use of administrative data?

# Utilizing Administrative Records

- Research and Testing

	Reengineering Address Canvassing	Optimizing Self-Response	Utilizing Administrative Records	Reengineering Field Operations
2012 National Census Test		X		
2013 Census Test			X	
2014 Census Test		X	X	
2015 Address Validation Test	X			
2015 Optimizing Self-Response Test		X		
2015 Non-Response Follow-up Test			X	X
2015 National Content and Contact Strategy Test		X		
Geographic Support System Initiative	X			
Decennial Modeling and Analysis	X		X	
ROCKIT Simulations				X
2012 Gallup Poll			X	
American Community Survey	X	X	X	X

# 2013 Census Test

- Philadelphia, PA
- October – December 2013
- 2,077 housing units in sample
- 4 treatments – 2 involved administrative records
- Results and findings
  - Treatment 1 (fixed) – 7.8% removal of vacants and 31.3% removal of occupied units prior to NRFU
  - Treatment 2 (adaptive design) - 8% removal of vacants and 31.4% removal of occupied units prior to NRFU
  - Consider using additional sources to designate vacant housing units
  - Consider relaxing some rules used to match persons with occupied housing units

# 2014 Census Test

- Montgomery County, MD and Northwest Washington, DC
- June – September 2014
- July 1, 2014 Census Day
- 151,759 housing units in sample – 65.7% self-response rate
- 46,247 housing units in NRFU
- 4 treatments in NRFU – 2 involved administrative records
- Results
  - “Option 2” or “hybrid” treatment – 32.6% of NRFU workload removed
  - “Option 3” or “full” treatment – 62.3% of NRFU workload removed

# 2015 Census Test

- Maricopa County, AZ
- April 1, 2015 Census Day
- 155,000 housing units in sample
- 60,000 estimated housing units in NRFU
- 3 treatments in NRFU – 2 involve administrative records
- An evaluation follow up of approximately 5,000 cases will occur where the NRFU response does not match administrative records

# Challenges and Risks

- Challenges

- Timely delivery of administrative records and third-party data
- Existing legislation related to access and data sharing

- Risks

- Administrative records – external factors (high risk)
- Administrative records – access and constraints (medium risk)

# Questions?

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