

# National Center for Health Statistics Research Data Center



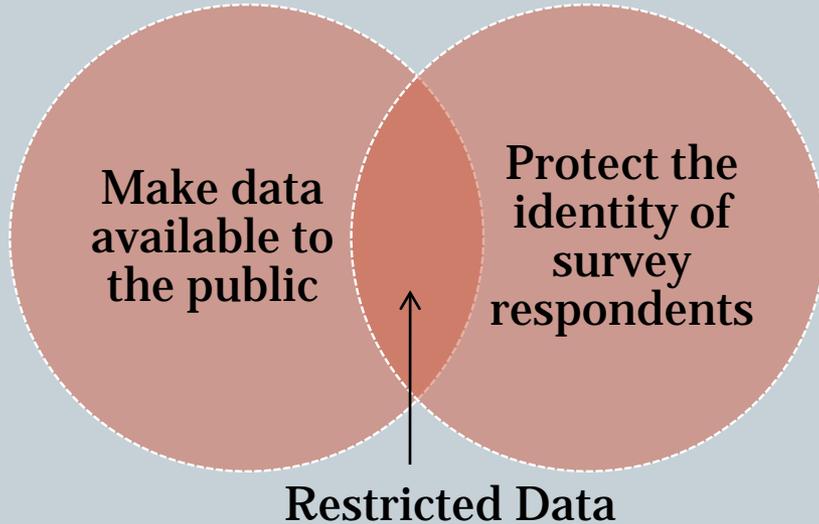
**Tabatha McNeill, MPH**  
**Public Health Analyst**

# Objectives



- **Overview**
  - What is Restricted Data?
  - Research Data Center
  - The Proposal
- **RDC Research**
- **Resources**

# What is Restricted Data?



- Survey and Disclosure Review Board determine what variables to restrict
  - Varies from year to year
- Indirect identifiers
- Medium to high risk of disclosure
- Limited access

# Research Data Center (RDC)



- **Secure Environment**

- Researcher activity monitored at all times
- Data does not leave the RDC

<b>Mode of Access</b>	<b>Features</b>
On-site	<ul style="list-style-type: none"><li>• Ability to view raw data</li><li>• In-person access to RDC Analyst</li></ul>
Census RDC	<ul style="list-style-type: none"><li>• Ability to view raw data</li><li>• Phone and e-mail access to RDC Analyst</li></ul>
Remote	<ul style="list-style-type: none"><li>• Programs and output only, no data</li><li>• Available 7 days a week/24 hours</li><li>• Multilayered authentication mechanism</li><li>• Only uses SAS/SUDAAN</li></ul>
Staff-Assisted	<ul style="list-style-type: none"><li>• Alternative to remote for users of other statistical packages</li><li>• Limited by staff availability</li></ul>

# The Proposal



<b>Proposal Component</b>	<b>RDC</b>	<b>Researcher</b>
<b>Data Requirements</b>	<ul style="list-style-type: none"><li>• Researcher knowledge of data</li><li>• Identify other variables that might be of interest</li><li>• Identify possible disclosure risk</li></ul>	<ul style="list-style-type: none"><li>• Helps with Data Dictionary component</li></ul>
<b>Methods</b>	<ul style="list-style-type: none"><li>• Identify possible disclosure risks</li></ul>	<ul style="list-style-type: none"><li>• Decreases time in the RDC (cost effective)</li></ul>
<b>Output</b>	<ul style="list-style-type: none"><li>• Identify possible disclosure risks</li></ul>	<ul style="list-style-type: none"><li>• Increases the chance your output will be released</li></ul>
<b>Data Dictionary</b>	<ul style="list-style-type: none"><li>• Used to create your final dataset</li><li>• Identify possible disclosure risks</li></ul>	<ul style="list-style-type: none"><li>• Used to create Researcher Supplied Dataset</li></ul>

# RDC Research



- Bitler, M. and L. Schmidt (2006). "Health disparities and infertility: impacts of state-level insurance mandates." *Fertil Steril* 85(4): 858-65.

Proposal Component	RDC
Data Requirements	<ul style="list-style-type: none"><li>• National Survey of Family Growth (NSFG)</li><li>• '82, '88, '95, and '02 cycles</li><li>• Reason for restricted data: Needs state to merge policy variables</li></ul>
Methods	<ul style="list-style-type: none"><li>• Multivariate logistic regression</li></ul>
Output	<ul style="list-style-type: none"><li>• Summary statistics</li><li>• Odds ratios</li></ul>
Data Dictionary	<ul style="list-style-type: none"><li>• State identifiers (restricted)</li><li>• Use of infertility treatment (public –use NSFG)</li><li>• Access to infertility treatment (non-NCHS)</li><li>• State level demographics (non-NCHS)</li></ul>

# RDC Research



- Pearson, W. S. and W. J. Hueston (2004). "Treatment of HIV/AIDS in the nursing home: variations in rural and urban long-term care settings." *South Med J* 97(4): 338-41.

Proposal Component	RDC
Data Requirements	<ul style="list-style-type: none"><li>• National Nursing Home Survey (NNHS)</li><li>• 1999</li><li>• Reason for restricted data: Availability of HIV/AIDS service is restricted</li></ul>
Methods	<ul style="list-style-type: none"><li>• Logistic regression</li><li>• Chi Square tests</li></ul>
Output	<ul style="list-style-type: none"><li>• Summary statistics</li><li>• Odds ratios</li></ul>
Data Dictionary	<ul style="list-style-type: none"><li>• Weights (restricted)</li><li>• HIV/AIDS services (restricted)</li><li>• Number of beds (public –use NNHS)</li></ul>

# Resources



- NCHS website (<http://www.cdc.gov/nchs>)
- RDC website (<http://www.cdc.gov/rdc>)
  - Step-by-step instructions
  - Restricted variables data dictionaries
  - Sample Proposal
  - [Confidentiality Orientation](#)
- RDC Staff ([RDCA@cdc.gov](mailto:RDCA@cdc.gov))