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What is KRDC?

- A member of the Federal Statistical Research Data Centers Network
- Qualified researchers with approved projects are provided restricted access to confidential microdata with appropriate safeguards to protect data confidentiality
- Inaugural consortium members: University of Kentucky, Indiana University, Ohio State University, University of Cincinnati, and University of Louisville

Data

- Census Bureau Data
 - Economic
 - Demographic
 - Combined Economic and Demographic
- Other Agencies
 - National Center for Health Statistics (NCHS)
 - Agency for Healthcare Research and Quality (AHRQ)
 - Bureau of Labor Statistics (BLS)
 - Social Security Administration (SSA)
 - Housing and Urban Development (HUD)
 - Centers for Medicare and Medicaid Services (CMS)

Data: Popular Economic Data

- Longitudinal Business Database (LBD)
 - All US establishments with at least 1 employee 1976-2010
 - Covers most industries
 - Possible to aggregate to firm level
 - Identifies establishment births, deaths, and continuers
- Census and Annual Survey of Manufactures (CMS, ASM)
 - Detailed information about manufacturing establishments
 - Measures costs and revenues, calculate productivity
 - Detailed materials and product information
 - 1963, 1967, 1972-2010
- Economic Censuses (EC)
 - 1977-2007, every 5 years
 - Covers most industries at detailed levels
 - Industry-specific questions on sporadic basis

Data: New Economic Data Products

- Integrated Longitudinal Business Database (iLBD)
 - Merges non-employer with employer (LBD) data
 - Enhances study of entrepreneurship
- Linked Foreign Trade Transactions Database (LFTTD)
 - Shipment level information for imports/exports
 - Link to import/export enterprises
- Data Recovery Project
- Longitudinal Employer-Household Dynamics (LEHD)
 - Link UI and QCEW data with Census demographic and economic data
 - [Lehd.did.census.gov/led/library/tech_user_guides.html](http://lehd.did.census.gov/led/library/tech_user_guides.html)

Data: Demographic

- More details than Public Use Files
 - No top-coding
 - Uncollapsed variables
 - Finer geographic detail
- Match to external sources
 - Other public use or macro-level data
 - Link by geography or PIKs

Data: Popular Demographic Data

- Decennial Census (1970-2010)
 - Short and Long Form data through 2000 (not sample)
 - May have 1960 soon
- American Community Survey
- Survey of Income and Program Participation
- Current Population Survey
 - Annual Social and Economic Supplement (March Supplement)
 - Food Security (December Supplement)
- American Housing Survey

Data: Popular Health Data

- National Health and Nutrition Examination Survey
- National Health Interview Survey
- National Survey of Family Growth
- Medical Expenditure Panel Survey (can be linked to NHIS)
- National Vital Statistics System
- National Ambulatory Medical Care Survey
- National Hospital Ambulatory Medical Care Survey
- National Survey of Long-Term Care Providers
- Some files can be linked to CMS claims data, National Death Index, SSI data, and other geocoded data

KRDC Environment: Access Controls

- Respondent confidentiality is paramount
- Researchers obtain Special Sworn Status
 - Requires moderate level background check
 - Oath of confidentiality is for life
- Access only via approved equipment
- Census employee on-site at all RDCs
- Mandatory disclosure avoidance review of all output
- Data stripped of SSNs; replaced with a Protected Identification Key (PIK)

KRDC Environment

- Analysis
 - Work conducted ONLY in secure KRDC
 - Output released electronically after disclosure review
 - Output should be model-based; tabulations discouraged
- Access
 - 24/7 access
 - RDC Administrator **MUST** be on site for NCHS projects
 - Printing available only when KRDC administrator present
 - Printouts do not leave the KRDC

KRDC Environment: Collaboration

- Each project has “home” RDC
 - Researchers may collaborate across RDCs
 - Projects may move “homes” as researchers relocate
- KRDC Administrator on-site
 - Coordinates access across RDCs
 - Coordinates review of output

Accessing KRDC: Project Proposals

- Each agency has its own proposal review and disclosure avoidance review processes
 - AHRQ meps.ahrq.gov/mepsweb/data_stats/onsite_datacenter.jsp
 - NCHS www.cdc.gov/rdc/B2AccessMod/ACs220.htm
 - Census www.census.gov/ces/rdcresearch
 - BLS (forthcoming)
- All projects tracked in Census project management system
- In 2017 AHRQ proposals will flow through NCHS

Accessing KRDC: Census Project Proposals

- Required for all projects using Census Bureau data
- Three stages of review
 - KRDC Development and Review
 - Abstract
 - Proposal
 - Predominant Purpose Statement
 - Census Bureau Review
 - 5 concurrent reviews
 - Other Agency Review
 - SSA, BLS, IRS – any agency providing some of the project's data

Accessing KRDC: Census Project Proposals

- Census Project Review Criteria
 - Scientific merit
 - Requires non-public data
 - Provides benefit to Census Bureau programs
 - Is feasible
 - Poses no risk of disclosure of individual or business

Accessing KRDC: Benefits to Census Bureau

- Helps Census check data it collects, edits, and tabulates
 - Permits rigorous analysis of confidential data
 - Tests validity of data processing rules
 - Evaluates conceptual and processing assumptions
- Prepares new economic or population estimates

Accessing KRDC: Benefits to Researchers in FSRDC

- Access to restricted-use data
- Collaboration across RDCs
- Linking multiple data sources
 - Survey, Census, and Administrative data
 - Increase analytic power of data

Accessing KRDC: NCHS Project Proposals

- Three stages of review
 - KRDC Development
 - Researcher **directly** Submits Proposal to NCHS (AHRQ)
 - NCHS Review Team
 - Reviews it for disclosure (not scientific merit nor benefit to NCHS)
 - RDC analyst
 - Data representative
 - NCHS Confidentiality officer
 - NCHS RDC Director
 - The review process tends to be back-and-forth where they work together with applicant to determine exactly what they need to answer the question without compromising confidentiality

Accessing KRDC: General Tips on Proposal Process

- Allow sufficient time for proposal development and review
- Maintain regular contact with local KRDC Administrator
- Use available resources
 - Include all relevant datasets in proposal