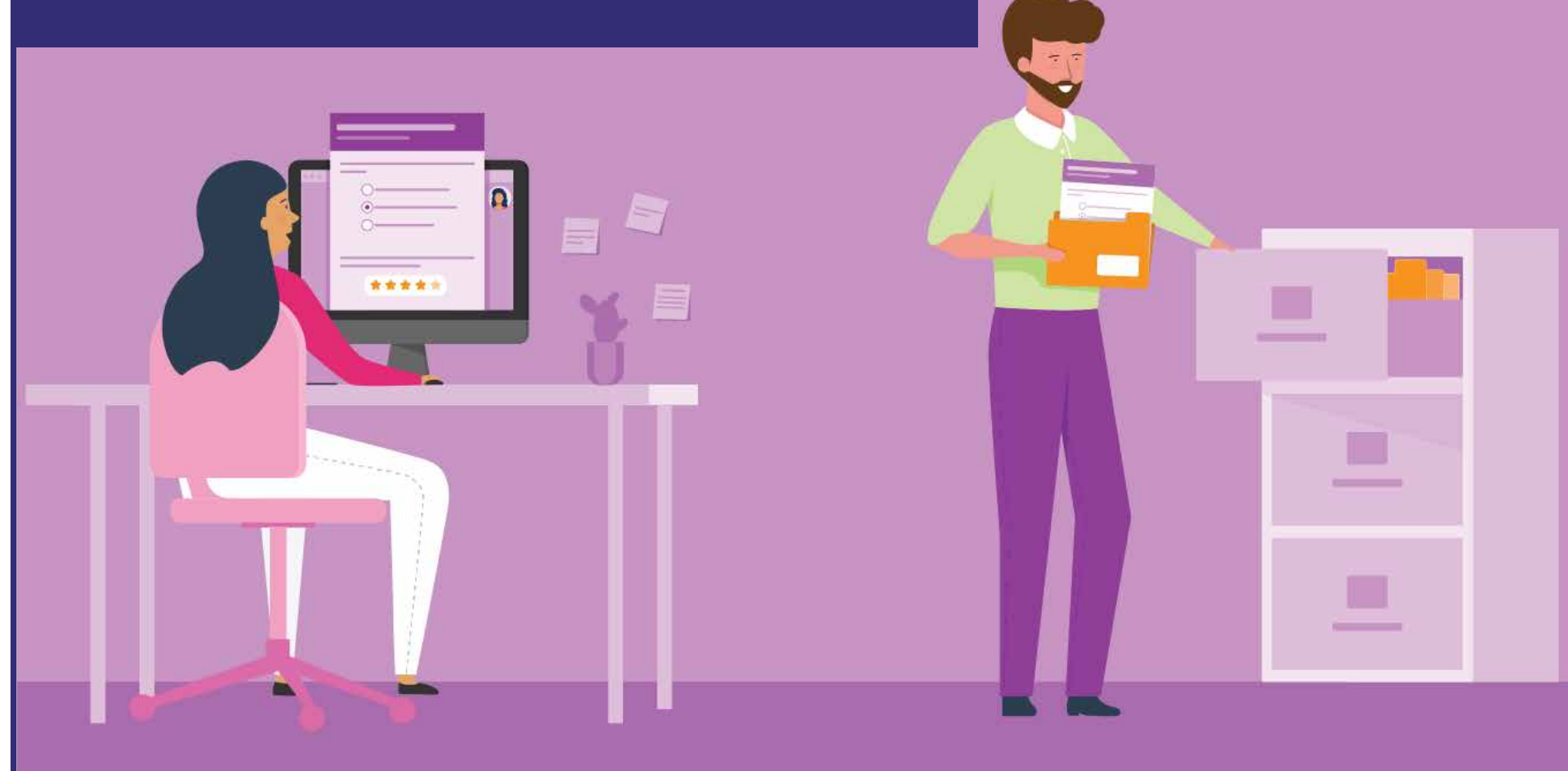


Background

- Restricted-use data analyses require vetting of output for disclosure risk prior to presenting or publishing results.
- A framework for setting disclosure protection rules can guide data providers in determining thresholds and communicating rules to data users.
- Providing a clear set of rules in an easy-to-use format can help secondary users of research data ensure that summary results comply with data protection rules for the study.
- Applying study-specific disclosure protection rules to analysis results can protect against indirect reidentification of respondents and other vulnerable groups.
- **Data collectors** and **data users** have different perspectives and goals that a framework must address.

Data Collectors

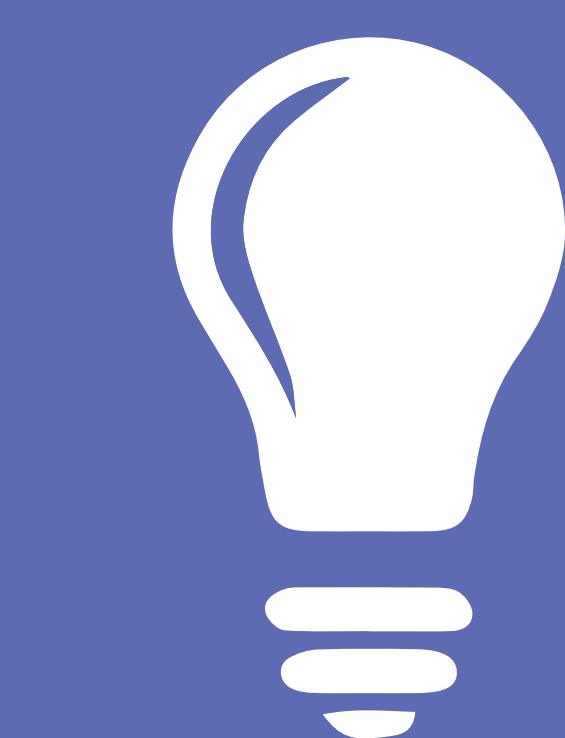


- Define clear rules
- Encourage compliance
- Promote data use
- Protect future data collection efforts
- Protect Human Subjects

Data Users



- Conduct research
- Refer to rules easily
- Publish results
- Protect future research
- Protect Human Subjects



Takeaways

- Facilitate secondary research by helping data users comply with human subjects protections
- Prevent data breaches by specifying clear disclosure protection rules

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Disclosure Protection Rule	Recommended Threshold and Example Value
Personally Identifiable Information (PII) or Protected Health Information (PHI) PII and PHI includes Information such as name, address, and respondent ID	<i>Names, SSN, Email, Insurance Number, etc. cannot be reported</i>
Suppressed Variables While these variables can be included in an analysis, the resulting coefficients and tables cannot be reported	<i>Sampling Clusters, Geocodes</i>
Suppressed Combinations of Variables While these variables can be reported separately, they may not be used together in tables or interactions	<i>Some 4-way and higher tables</i>
Minimum Cell Sizes In tables, cells below this value require rows or columns to be combined. Redaction of the individual cell is insufficient.	<i>10</i>
Minimum Sample and Sub-Sample Size Minimum number of valid observations (excluding missing data) for regression analysis	<i>30</i>
Disallowed Sub-Samples Sub-samples that are not allowed even if the sub-sample meets minimum sample size requirements	<i>Sub-groups for which comparisons are not allowed. Data may not be used to rank service providers.</i>
Dummy Variables Dummy variables for which coefficients cannot be reported	<i>Fixed effects for disallowed sub-samples</i>
Organizations and Groups Organizations and groups for which results cannot be presented separately	<i>School districts, Hospitals and Health Facilities</i>
Nested Tables Tables that can be combined into one table	<i>Should be presented as single table</i>
Saturated or Near Saturated Models Models that reproduce the data exactly	<i>Maximum R-squared: 0.4 unless lagged variable Minimum df remaining: 25</i>
List cases including predicted values An individual case or roster of cases cannot be reported	<i>Extracts are not allowed</i>
Weights Do results have to be weighted? When are unweighted counts allowed?	<i>Unweighted counts for table totals only</i>
Visualizations Includes illustrations, maps and other visualizations	<i>Maps must obscure exact locations</i>