Data Dictionary for *Research data management and academic institutions: a scoping review*

Table name: Data abstraction form for *Research data management and academic institutions: a scoping review*

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Date: April 24, 2017

Data dictionary is for the following files:

1) RDMScopingReview_StudyCharacteristics.csv
2) RDMScopingReview_Setting.csv
3) RDMScopingReview_DataCollectionTools.csv
4) RDMScopingReview_Outcomes.csv

File: Study Characteristics			
Column Name	**Optional**	**Format**	**Description**
RefID	No	Text	Definition: RefID is short for reference identification The format is as follows: AuthorLastName PublicationYear Example: Smith 2010
First Author	No	Text	Last name of the first author on the article
Year of Publication	No	Text	Year the article was published
Article Title	No	Text	Title as it is listed on the article
Journal Name[a]	Yes	Text	Name of the journal the article is published in
Conference Name[a]	Yes	Text	Name of the conference the article is from
Human Subjects: Study Design 01	Yes	Text	Type of study involving human subjects reported in the article
Human Subjects: Study Design 02	Yes	Text	Type of study involving human subjects reported in the article if more than one
Human Subjects: Study Design 03	Yes	Text	Type of study involving human subjects reported in the article if more than two
Non-Human: Study Design 01	Yes	Text	Type of study (if no human subjects) reported in the article
Non-Human: Study Design 02	Yes	Text	Type of study (if no human subjects) reported in the article if more than one
Non-Human: Study Design 03	Yes	Text	Type of study (if no human subjects) reported in the article if more than two
Methodology	No	Text	Drop down list restricted to the following choices: 1) Quantitative; 2) Qualitative; 3) Mixed Methods
Study Period	No	Text	The time period when the study was conducted

Alignment with Research Data Lifecycle: Creating Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Alignment with Research Data Lifecycle: Processing Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Alignment with Research Data Lifecycle: Analyzing Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Alignment with Research Data Lifecycle: Preserving Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Alignment with Research Data Lifecycle: Giving Access to Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Alignment with Research Data Lifecycle: Re-Using Data[b]	Yes	Text	Drop down list restricted to leaving the cell blank or selecting 'Yes'
Notes	Yes	Text	Any notes relevant to the article abstracted. Companion articles are listed here.
[a]1) Each article must list either a Journal Name or a Conference Name; 2) Books, dissertations, and gray literature is listed under Conference Name [b]Research Data Lifecycle source: UK Data Archive. Available at: http://www.data-archive.ac.uk/create-manage/life-cycle			
File: Setting & Population or Sample			
Column Name	**Optional**	**Format**	**Description**
RefID	No	Text	Definition: RefID is short for reference identification The format is as follows: AuthorLastName PublicationYear Example: Smith 2010
Study Purpose / Objective	No	Text	The purpose of the study as described by the authors
Geographical Location	No	Text	The geographical location of where the study was conducted. Must include country. This is NOT the location of home institution of author(s).
Setting	No	Text	Where the study took place
Name(s) of Repository	Yes	Text	Name(s) of data repositories if is the focus of the study
Name(s) of Product	Yes	Text	Name(s) of commercial/open-source product(s) if is the focus of the study
Associated Discipline	No	Text	Branch of learning or knowledge, area of academia, or field of study

Human Subjects: Participation Information – Sample Size (Total) [Study Design 01]	Yes	Text	Number of participants recruited into the study (human subjects) [Study Design 01]
Human Subjects: Participation Information – Sample Size (Completed) [Study Design 01]	Yes	Text	Number of participants that completed the study (human subjects) [Study Design 01]
Human Subjects: Participation Information – Number of Participants by Sex [Study Design 01]	Yes	Text	Number of participants that completed the study reported by sex (human subjects) [Study Design 01]
Human Subjects: Participation Information – Participant Characteristics [Study Design 01]	Yes	Text	Characteristics of participants that completed the study (human subjects) For example: this could include age, employment status, education status, etc. [Study Design 01]
Human Subjects: Participation Information – Sample Size (Total) [Study Design 02]	Yes	Text	Number of participants recruited into the study (human subjects) [Study Design 02]
Human Subjects: Participation Information – Sample Size (Completed) [Study Design 02]	Yes	Text	Number of participants that completed the study (human subjects) [Study Design 02]
Human Subjects: Participation Information – Number of Participants by Sex [Study Design 02]	Yes	Text	Number of participants that completed the study reported by sex (human subjects) [Study Design 02]
Human Subjects: Participation Information – Participant Characteristics [Study Design 02]	Yes	Text	Characteristics of participants that completed the study (human subjects) For example: this could include age, employment status, education status, etc. [Study Design 02]
Human Subjects: Participation Information – Sample Size (Total) [Study Design 03]	Yes	Text	Number of participants recruited into the study (human subjects) [Study Design 03]
Human Subjects: Participation Information – Sample Size (Completed) [Study Design 03]	Yes	Text	Number of participants that completed the study (human subjects) [Study Design 03]

Human Subjects: Participation Information – Number of Participants by Sex [Study Design 03]	Yes	Text	Number of participants that completed the study reported by sex (human subjects) [Study Design 03]
Human Subjects: Participation Information – Participant Characteristics [Study Design 03]	Yes	Text	Characteristics of participants that completed the study (human subjects) For example: this could include age, employment status, education status, etc. [Study Design 03]
Non-Human: Sample Information – Sample Size (Initial) [Study Design 01]	Yes	Text	Number of sample recruited into the study [Study Design 01]
Non-Human: Sample Information – Sample Size (Final) [Study Design 01]	Yes	Text	Final number of sample analyzed and reported for the study [Study Design 01]
Non-Human: Sample Information – Sample Characteristics [Study Design 01]	Yes	Text	Characteristics of sample [Study Design 01]
Non-Human: Sample Information – Sample Size (Initial) [Study Design 02]	Yes	Text	Number of sample recruited into the study [Study Design 02]
Non-Human: Sample Information – Sample Size (Final) [Study Design 02]	Yes	Text	Final number of sample analyzed and reported for the study [Study Design 02]
Non-Human: Sample Information – Sample Characteristics [Study Design 02]	Yes	Text	Characteristics of sample [Study Design 02]
Non-Human: Sample Information – Sample Size (Initial) [Study Design 03]	Yes	Text	Number of sample recruited into the study [Study Design 03]
Non-Human: Sample Information – Sample Size (Final) [Study Design 03]	Yes	Text	Final number of sample analyzed and reported for the study [Study Design 03]
Non-Human: Sample Information – Sample Characteristics [Study Design 03]	Yes	Text	Characteristics of sample [Study Design 03]

File: Data Collection Tools			
Column Name	**Optional**	**Format**	**Description**
RefID	No	Text	Definition: RefID is short for reference identification The format is as follows: AuthorLastName PublicationYear Example: Smith 2010
Human Subjects: Tools Used to Collect Data [Study Design 01]			• Tools or instruments developed to gather data for the study that are specific to research • Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Human Subjects: Tools Used to Collect Data [Study Design 02]			• Tools or instruments developed to gather data for the study that are specific to research • Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Human Subjects: Tools Used to Collect Data [Study Design 03]			• Tools or instruments developed to gather data for the study that are specific to research • Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Non-Human: Tools Used to Collect Data [Study Design 01]			• Tools or instruments developed to gather data for the study that are specific to research • Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Non-Human: Tools Used to Collect Data [Study Design 02]			• Tools or instruments developed to gather data for the study that are specific to research • Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Non-Human: Tools Used to Collect Data [Study Design 03]			• Tools or instruments developed to gather data for the study that are specific to research

			• Report if are standardized or validated Note: These are NOT a description of how data collection was done; NOT tools used for data analysis
Other Validated Instrument			Any other tool or instrument used to gather data that was standardized or validated

File: Outcomes

Column Name	Optional	Format	Description
RefID	No	Text	Definition: RefID is short for reference identification The format is as follows: AuthorLastName PublicationYear Example: Smith 2010
Outcome 01	No	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	No	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 02	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 03	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported

Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 04	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 05	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 06	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 07	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message'

			Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 08	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 09	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 10	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 11	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab)

			• For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 12	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 13	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported
Outcome 14	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported

Outcome 15	Yes	Text	• All Outcomes should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Outcomes that are related to research data management are reported
Results (RDM)	Yes	Text	• All Results should directly relate to the Purpose (listed in Setting & Population or Sample tab) • For Case Studies: Report the 'bottom-line' or 'take-home message' Only Results that are related to research data management are reported