

JARS - Mixed Methods Article Reporting Standards (MMARS)

Section/Topic	Item No	Checklist Item	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title				
	1a	Quant - Identify the populations studied.	Title	Title
	1b	Mixed - Refrain from using words that are either qualitative (e.g., "explore," "understand") or quantitative (e.g., "determinants," "correlates"), because mixed methods stands in the middle between qualitative and quantitative research.	Title	Title
	1c	Mixed - Reference the mixed methods, qualitative methods, and quantitative methods used.	Title	Title
Abstract				
	2a	Mixed - Indicate the mixed methods design, including types of participants or data sources, analytic strategy, main results/findings, and major implications/significance.	Abstract	Abstract
Introduction				
	3a	Quant - State the importance of the problem, including theoretical or practical implications.	Page 3, Lines 70-74	Introduction paragraph 2
	3b	Qual - Review, critique, and synthesize the applicable literature to identify key issues/debates/theoretical frameworks in the relevant literature to clarify barriers, knowledge gaps, or practical needs.	Page 3, Lines 60-70	Introduction paragraph 1 & 2
	3c	Mixed - State three types of research objectives/aims/goals: qualitative, quantitative, and mixed methods. Order these goals to reflect the type of mixed methods design used.	Page 3, Lines 75-84	P Introduction paragraph 3
Method				
	4a	Mixed -Explain why mixed methods research is appropriate as a methodology given the paper's goals.	Page 4, Lines 87-90	Methods paragraph 1
	4b	Mixed - Indicate the qualitative approach to inquiry and the quantitative design used within the mixed methods design type.	Page 4, Lines 93-94; Page 5, Lines 127-128	Methods – Informal Caregiver Survey paragraph 1; Methods –

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				Interviews paragraph 1
	4c	Quant - Report inclusion and exclusion criteria, including any restrictions based on demographic characteristics.	Page 4, Lines 96-98	Methods – Informal Caregiver Survey paragraph 1
	4d	Qual - Describe the participants/data source selection process and inclusion/exclusion criteria.	Page 5, Lines 128-134	Methods – Hospice Leader Interviews paragraph 1
	4e	Quant - Describe settings and locations where data were collected as well as dates of data collection.	Page 4, Lines 93-94	Methods – Informal Caregiver Survey paragraph 1
	4f	Qual - Provide the general context for the study (when data were collected, sites of data collection).	Page 5, Lines 127-128	Methods – Hospice Leader Interviews paragraph 1
	4g	Quant - Define all primary and secondary measures and covariates.	Pages 4, Lines 104-123	Methods – Informal Caregiver Survey paragraphs 2 & 3
	4h	Quant - Report major demographic characteristics and important topic-specific characteristics.	Page 4, Line 94; Table 1	Methods – Informal Caregiver Survey paragraph 1; Table 1
	4i	Quant - Describe procedures for selecting participants.	Page 4, Lines 94-98	Methods – Informal Caregiver Survey paragraph 1
	4j	Quant - Describe agreements and payments made to participants.	Page 4, Lines 98-99	Methods – Informal Caregiver Survey paragraph 1
	4k	Qual - State the form of data collected (e.g., interviews, questionnaires, media, observation).	Page 5, Lines 127-128	Methods – Hospice Leader Interviews paragraph 1
	4l	Qual - Describe questions asked in data collection: content of central questions, form of questions (e.g., open vs. closed).	Page 6, Lines 130-136	Methods – Hospice Leader Interviews paragraph 1
	4m	Qual - For interview and written studies, indicate the mean and range of the time duration in the data-collection process.	Page 6, Lines 140-141	Methods – Hospice Leader Interviews paragraph 2
	4n	Qual - Describe any incentives or compensation, and provide assurance of relevant ethical processes of data collection and consent process as relevant.	Page 5, Lines 136-139	Methods – Hospice Leader Interviews paragraph 1
	4o	Describe institutional review board agreements, ethical standards met, and safety monitoring.	Page 6, Lines 149-152	Methods – Hospice Leader Interviews paragraph 3
Results				

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	5a	Quant - Provide information detailing the statistical and data-analytic methods used.	Page 7, Lines 161-182; Tables 2 & 3	Results - Informal Caregiver Survey paragraphs 2 & 3
	5b	Qual - Describe research findings (e.g., themes, categories, narratives) and the meaning and understandings that the researcher has derived from the data analysis.	Page 8, Lines 194-300	Results – Hospice Leader Interviews, all paragraphs
	5c	Qual - Demonstrate the analytic process of reaching findings (e.g., quotes, excerpts of data).	Page 9, Lines 201-300	Results – Hospice Leader Interviews, all quotes
	5d	Mixed - Indicate how the qualitative and quantitative results were mixed.	Page 6, Line 134; Tables and figure	Methods - Hospice Leader Interviews paragraph 1; Tables and figure
Discussion				
	6a	Describe the central contributions and their significance in advancing disciplinary understandings.	Page 13, Lines 302-308; Page 19, Lines 427-438	Discussion – paragraph 1; Conclusions – paragraph 1
	6b	Discuss similarities and differences between reported results and work of others.	Page 14, Lines 309-404	Discussion - paragraphs 2 - 8
	6c	Identify the study's strengths and limitations.	Page 18, Lines 405-425	Discussion – Strengths & Limitations paragraphs 1 - 4

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*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.