

Agency for Healthcare Research and Quality (AHRQ)
SOPS® Database
De-Identified Data Research Abstract Form

EXAMPLE OF A COMPLETED FORM
This completed abstract presents an example of how to complete this form. Annotations and notes are shown in green text boxes.

Instructions

Please use this form to describe the research for which you are requesting AHRQ Surveys on Patient Safety Culture® (SOPS®) de-identified data. Save this completed form with your last name in the file name (e.g., “Smith SOPS De-identified Research Abstract.doc”) and submit to SOPSPResearchData@westat.com (Subject line: SOPS De-identified Data Request).

Notes: Because participating organizations (i.e., hospitals, medical offices, ambulatory surgery centers, nursing homes, and community pharmacies) voluntarily submit data to the SOPS Databases, the data do not constitute a nationally representative sample. Replication of statistics published in the *SOPS Database Reports* may not be possible due to post-hoc data cleaning and because some sites did not authorize the inclusion of their data in the de-identified data files. Documentation of cleaning that was done is provided with the data files.

Date Research Abstract Form Completed

4/5/2024

Provide the date you are submitting the Research Abstract Form

Project Title

Relationships between Patient Safety Culture and Patient Safety Rating: Differences by Hospital Teaching Status

Provide a brief title for your research project

Purpose

The purpose of this study is to examine: 1) relationships between hospital provider and staff perceptions of patient safety culture and overall patient safety ratings, and 2) whether relationships between patient safety culture and patient safety rating differ by hospital teaching status.

Provide the purpose or objectives of your research project. A detailed background or literature review is **not** needed.

Hypotheses

H1: More positive perceptions of patient safety culture are associated with higher patient safety rating.

H2: These relationships vary based on hospital teaching status.

Provide hypotheses or research questions corresponding to the purpose or objectives of your research project. Null hypotheses are **not** needed.

Methodology [Specify measures and proposed analyses, including level of analysis, i.e., respondent-level or organization-level]

Measures

Independent variables (perceptions of patient safety culture):

- All 10 composite measures in SOPS Hospital Survey 2.0

Dependent variable (patient safety rating):

- Patient Safety Rating (Item E1)

Moderator variable:

- Teaching status (teaching vs. non-teaching)

Control variables:

- Hospital characteristics (bed size and ownership)

Level of Analysis

Analysis will be conducted at the hospital level.

Analysis Plan

To test our hypotheses, we will conduct separate linear regressions for each composite measure with patient safety rating. Each model will include a two-way interaction term (composite measure by teaching status) and control for hospital characteristics.

Indicate the SOPS measures you plan to use to test your hypotheses (e.g., composite measures, single items). Explain how these measures will operationalize the concepts in your hypotheses.

Indicate the level of analysis to be used (e.g., individual-level, unit-level, organization-level).

Indicate the statistical method you will use to test your hypotheses.

Expected Project Timeline

April 2024 – June 2024

Provide an estimated start and end date for your research project.

Expected Outcomes of the Research/How Results will be Presented

Results will be presented at professional conferences and submitted for publication in a peer-reviewed journal.

Describe how the results of your research project will be shared or presented (e.g., conference presentation, journal article, dissertation). Indicate if you are a student and conducting this research as part of a degree program.

Funding Sources [Include grant or contract number]

None.

Include the funding source. If not applicable, write "None."

Survey and Database Year(s) Needed for Analyses Outlined Above.

[Include a rationale in the Hypotheses and Methodology sections if selecting more than one dataset]

Core Datasets

The following core SOPS survey datasets are available for research purposes.

Survey	SOPS Database Report Year	Dates of Survey Data Collection	Number of Sites	Number of Respondents	Check Dataset Requesting
Hospital 2.0	2022	Nov. 2020 – July 2022	400	206,410	<input checked="" type="checkbox"/>
	2021	Nov. 2018 – Oct. 2020	172	87,856	<input type="checkbox"/>
Hospital 1.0	2021	Dec. 2017 – Oct. 2020	320	191,977	<input type="checkbox"/>
	2018	Jul. 2015 – June 2017	630	382,834	<input type="checkbox"/>
Medical Office	2024	Nov. 2021 – Sept. 2023	1,164	15,449	<input type="checkbox"/>
	2022	Nov. 2019 – Oct. 2021	1,100	13,277	<input type="checkbox"/>
	2020	Dec. 2017 – Oct. 2019	1,475	18,396	<input type="checkbox"/>
Ambulatory Surgery Center	2023	Jan. 2022 – June 2023	243	7,458	<input type="checkbox"/>
	2021	Aug. 2020 – June 2021	235	8,918	<input type="checkbox"/>
	2020	Aug. 2014 – July 2019	282	10,527	<input type="checkbox"/>
Nursing Home	2023	Jan. 2022 – Sept. 2022	62	3,224	<input type="checkbox"/>
	2019	Jan. 2016 – Jul. 2018	191	10,499	<input type="checkbox"/>
Community Pharmacy	2019	Apr. 2014 – Sept. 2018	331	2,157	<input type="checkbox"/>

Select the survey and database year(s) for your analyses. If you select more than one dataset, your Hypotheses and/or Methodology sections must incorporate a justification for the data requested.

Supplemental Item Set Datasets

Users of SOPS surveys have the option of including additional SOPS questions, known as supplemental item sets. The following SOPS supplemental item set datasets are available for research purposes.

Supplemental Item Set	SOPS Database Report Year	Dates of Survey Data Collection	Number of Sites	Number of Respondents	Check Dataset Requesting
Hospital					
Health Information Technology Patient Safety	2021	Nov. 2018 – Oct. 2020	21	11,408	<input type="checkbox"/>
Workplace Safety	2021/2022 (combined)	May 2021 – July 2022	40	11,710	<input type="checkbox"/>
Medical Office					
Diagnostic Safety	2022/2024 (combined)	Sept. 2021 – Sept. 2023	102	760	<input type="checkbox"/>

Select a supplemental item set dataset and database year(s) if you are requesting supplemental item set data for your analyses.

Contact Information

If Primary Contact is a student, please also provide your supervisor in Other Contact/Supervisor Information below.

Primary Contact Information

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If there are more individuals who will be working with the data on this project, please provide their contact information as well.