

1 **Appendix 3. Data Extraction Instructions for Scoping Review of Triage Narratives**

2 Data will be extracted from studies into one table to facilitate comparisons. Multiple reports of a single
3 study will be marked and grouped together in the data extraction tables to prevent double-counting the
4 results originating from a single sample or intervention. Please complete all fields. If there are no data for
5 a given field please mark “Not Applicable” or “Not reported”.

6 **Table Items:**

7 1. Study ID: This will include the Author and Year, Digital Object Identifier, or Covidence assigned ID
8 number.

9
10 2. Extractor - First and Last initial of the author extracting the data.

11
12 3. Sample Data

13 *Data Source*

14 a. **Country/State/City:** Where the study data originated from. Extract as much information as
15 possible in this field starting from least to most specific, separating levels with commas. If
16 there are multiple responses at the same level separate them with a forward slash. Ex:
17 Canada, Alberta, Edmonton/Calgary.

18 b. **Triage System:** Extract the name of the system, include specifics on versions or electronic if
19 offered. (Ex: CTAS 2018, eCTAS)

20 c. **Source of Data:**

21 i. **Endorsing Organizations:** Extract the full names of any endorsing organization.
22 (Ex: CTAS guidelines - National Emergency Nurses Association, Canadian
23 Paediatrics Society, Canadian Association of emergency Physicians).

24 ii. **Source of Primary Data:** Refers to where the primary data were accessed from. For
25 example, a provincial or national registry, or from hospital electronic records, these
26 can include Regionalized Emergency Data Sets (Canadian Institute for Health
27 Information, National Hospital Ambulatory Medical Care Survey, National
28 Trauma Data Bank, etc).

29

30 *Population*

31 d. **Number of Emergency departments:** Extract the number of hospitals or urgent care centres
32 reported. If the hospital reports more than one department at one site record each as a unique
33 department (Ex: University of Alberta Hospital Emergency, Stollery Hospital Emergency)

34 e. **Number of records:** Extract the number of patient records or visits that underwent final
35 analysis. (Repeat visits by the same patient are counted individually)

36 f. **Number of patients:** If the study records the number of providers collecting data record the
37 number included in the final analysis.

38

39 4. Study Data

40 *Design*

41 a. **Qualitative or Quantitative:** Select one, for mixed or multiple methods record “both”. For
42 position statements or guidance documents record “not applicable”

43 b. **Design type:** Record the authors reported design.

44 c. **Population of interest:** Summarize the authors’ population of interest.

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46 *Data extraction methods*

- 47 d. **Automated:** If the authors used any form of automated technology (ex: machine learning,
48 artificial intelligence) to extract data record the type used. (Ex: bag of words, keyword, index
49 searching)
50 e. **Not automated:** If data were manually extracted summarize the approach used (ex. Expert
51 review and analysis of narrative).
52

53 *Hypothesis testing*

- 54 f. **Internal uses:** Describe what the authors used the data for (ex: making predictions about
55 admission).
56 g. **External comparisons:** If the authors compare narrative data to other data sources (ex: ICD
57 codes) summarize the data external data types.
58 h. **Statistical testing methods:** Describe the statistical testing techniques.
59

60 5. Data collected

61 *Description of data collected*

62 Extract any description of the narrative triage data collected (Ex: number of words in a narrative,
63 number of errors in a narrative, completeness of records, etc.).
64

65 *What were the authors' objectives?*

66 Extract what the authors report as the primary intention of their study. For primary research this
67 could be the hypothesis being tested or phenomena being described. For guidance documents this
68 could be a position, recommendation, or practice standard.
69

70 *What were the authors findings or conclusions?*

71 Extract any recommendations made by the authors. This could include that further research is
72 needed, or suggestions for future use of narrative data examples could include quality assurance,
73 research, etc.
74

- 75 6. **Presence of quality appraisal:** Extract any reported formal reporting or quality frameworks, or any
76 other quality assessments measures.
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78 Data Extraction Form: Triage Narrative Scoping Review

1. Study ID	2. Extractor	3. Sample Data	4. Study Data	5. Findings
		<p><u>Data Source</u></p> <p>a) Country/State:</p> <p>b) Triage System:</p> <p>c) Source of Data:</p> <p><u>Population</u></p> <p>d) Number of emergency departments:</p> <p>e) Number of records:</p> <p>f) Number of patients:</p> <p>g) Number of providers:</p>	<p><u>Design</u></p> <p>a) Qualitative or quantitative design?</p> <p>b) Design type:</p> <p>c) The population of interest:</p> <p><u>Data extraction methods:</u></p> <p>d) Automated (specify method):</p> <p>e) Not automated:</p> <p><u>Hypothesis testing</u></p> <p>f) Internal uses:</p> <p>g) External comparators:</p> <p>h) Statistical testing methods (if used):</p>	<p><u>Description of data collected:</u></p> <p><u>What were the data used for?</u></p> <p><u>What were the authors' objectives?</u></p> <p><u>What were the primary findings?</u></p> <p><u>Were reporting guidelines used?</u></p>

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