

Documents

Peta, D., Day, A., Lugari, W.S., Gorman, V., Ahayalimudin, N.A., Pajo, V.M.T.

Triage: A Global Perspective

(2023) *Journal of Emergency Nursing*, 49 (6), pp. 814-825. Cited 1 time.

DOI: 10.1016/j.jen.2023.08.004

Abstract

Triage is a process by which patients are assessed, classified, and sorted based on their presenting complaint and clinical urgency, providing assurance for timely access to emergency care. The goal is to get the right person to the right place, in the right amount of time, for the right reason, and within the context of resource availability. In many countries, a standardized triage system, underpinned through the use of guidelines, is used to provide clinicians with support and guidance. Triage is a globally adopted principle, and although triage guidelines are used in many countries, no single system has been internationally adopted. This paper discusses the importance of how triage process standardization improves patient care, resource management, and benchmarking at local, national, and international levels by applying 5 internationally recognized triage systems to fictional case studies. Evaluation of similarities and differences in severity scores, with a gap analysis, occurs. © 2023 Emergency Nurses Association

Author Keywords

Australasian Triage System; Canadian Triage and Acuity Scale; Emergency nursing; Malaysian Triage Scale; Patient safety, Manchester Triage System; Triage

Index Keywords

adult, article, benchmarking, emergency nursing, human, patient care, patient safety, patient triage, practice guideline, resource management, standardization, emergency health service, hospital emergency service; Emergency Medical Services, Emergency Service, Hospital, Humans, Triage

References

- (2000) *Collins English Dictionary & Thesaurus*, 4th ed. Harpercollins Publishers Ltd
- Reay, G., Smith-MacDonald, L., Then, K.L., Hall, M., Rankin, J.A.
Triage emergency nurse decision-making: incidental findings from a focus group study
(2020) *Int Emerg Nurs*, 48.
- Sánchez-Salmerón, R., Gómez-Urquiza, J.L., Albendín-García, L.
Machine learning methods applied to triage in emergency services: a systematic review
(2022) *Int Emerg Nurs*, 60.
- **Position statement: role of the triage nurse**

Published 2019 (Accessed 24 February 2023)
- Sutriningsih, A., Wahyuni, C.U., Haksama, S.
Factors affecting emergency nurses' perceptions of the triage systems
(2020) *J Public Health Res*, 9 (2), p. 1808.
- Reblora, J.M., Lopez, V., Goh, Y.S.
Experiences of nurses working in a triage area: an integrative review
(2020) *Aust Crit Care*, 33 (6), pp. 567-575.
- Kuriyama, A., Urushidani, S., Nakayama, T.
Five-level emergency triage systems: variation in assessment of validity
(2017) *Emerg Med J*, 34 (11), pp. 703-710.

- Nakao, H., Ukai, I., Kotani, J.
A review of the history of the origin of triage from a disaster medicine perspective
(2017) *Acute Med Surg*, 4 (4), pp. 379-384.
- Mitchell, G.
A brief history of triage
(2008) *Disaster Med Public Health Prep*, 2, pp. S4-S7.
- O'Meara, M., Porter, K., Greaves, I.
Triage
(2007) *Trauma*, 9 (2), pp. 111-118.
- Weinerman, E.R., Rutzen, S.R., Pearson, D.A.
Effects of medical "triage" in hospital emergency service
(1965) *Public Health Rep (1896)*, 80 (5), pp. 389-399.
- Fry, M., Burr, G.
Review of the triage literature: past, present, future?
(2002) *Aust Emerg Nurs J*, 5 (2), pp. 33-38.
- Christ, M., Grossmann, F., Winter, D., Bingisser, R., Platz, E.
Modern triage in the emergency department
(2010) *Dtsch Arztebl*, 107 (50), pp. 892-898.
- FitzGerald, G., Jelinek, G.A., Scott, D., Gerdtz, M.F.
Emergency department triage revisited
(2010) *Emerg Med J*, 27 (2), pp. 86-92.
- Thawley, A., Aggar, C., Williams, N.
The educational needs of triage nurses
(2020) *Health Educ Pract J Res Prof Learn*, 3 (1).
- Van Gerven, R., Delooz, H., Sermeus, W.
Systematic triage in the emergency department using the Australian National Triage Scale: a pilot project
(2001) *Eur J Emerg Med*, 8 (1), pp. 3-7.
- **Department of Health and Ageing. Emergency triage education kit**

Published October 2007 (Accessed 4 March 2023)
- Varndell, W., Hodge, A., Fry, M.
Triage in Australian emergency departments: results of a New South Wales survey
(2019) *Australas Emerg Care*, 22 (2), pp. 81-86.
- Bullard, M.J., Musgrave, E., Warren, D.
Revisions to the Canadian emergency department triage and acuity scale guidelines 2016
(2017) *CJEM*, 19 (S2 suppl 2), pp. S18-S27.
- **The Canadian Triage and Acuity Scale: Combined Adult/Pediatric Educational Program. Participant manual, version 2.5b. Canadian Association of Emergency Physicians**

Published 2013 (Accessed 24 February 2023)
- Grafstein, E., Unger, B., Bullard, M., Innes, G.
Canadian Emergency Department Information System (CEDIS) Presenting Complaint List (Version 1.0)
(2003) *CJEM*, 5 (1), pp. 27-34.

- **Emergency Nurses Association acquires ESI triage program**

Published 2019 (Accessed 5 June 2023)

- Worth, M., Davis, L.L., Wallace, D.C., Bartlett, R., Travers, D.
Are emergency departments in the United States following recommendations by the emergency severity index to promote quality triage and reliability?
(2019) *J Emerg Nurs*, 45 (6), pp. 677-684.
- Chmielewski, N., Moretz, J.
ESI triage distribution in U.S. emergency departments
(2022) *Adv Emerg Nurs J*, 44 (1), pp. 46-53.
- Wolf, L.A., AM, D., Delao, A.M.
Establishing research priorities for the emergency severity index using a modified Delphi approach
(2021) *J Emerg Nurs*, 47 (1), pp. 50-57.
- Jordi, K., Grossmann, F., Gaddis, G.M.
Nurses' accuracy and self-perceived ability using the Emergency Severity Index triage tool: a cross-sectional study in four Swiss hospitals
(2015) *Scand J Trauma Resusc Emerg Med*, 23 (1), p. 62.
- Mistry, B., Balhara, K.S., Hinson, J.S.
Nursing perceptions of the emergency severity index as a triage tool in the United Arab Emirates: a qualitative analysis
(2018) *J Emerg Nurs*, 44 (4), pp. 360-367.

- **Emergency Severity Index Handbook 5th Edition. Enau.ena.org**

Published 2023 (Accessed 5 April 2023)

- Wuerz, R.C., Milne, L.W., Eitel, D.R., Travers, D., Gilboy, N.
Reliability and validity of a new five-level triage instrument
(2000) *Acad Emerg Med*, 7 (3), pp. 236-242.
- Wuerz, R.C., Travers, D., Gilboy, N., Eitel, D.R., Rosenau, A., Yazhari, R.
Implementation and refinement of the emergency severity index
(2001) *Acad Emerg Med*, 8 (2), pp. 170-176.
- Gilboy, N., Tanabe, P., Travers, D.A., Rosenau, A.M., Eitel, D.R.
The emergency severity index, version 4: implementation handbook. Agency for Healthcare Research and Quality

Published May 2005 (Accessed 1 May 2023)
- **Malaysian triage scale for emergency and trauma departments, new revised version 2019**

Published April 17, 2023 (Accessed 1 May 2023)
- Abd Rahman, N.F., Tuan Kamauzaman, T.H., Nor Arifin, W., Md Noh, A.Y.
Development and psychometric evaluation of triage questionnaire (Qtrix): exploratory factor analysis and item response theory analysis
(2020) *HK J Emerg Med*, 29, pp. 227-235.
- Alzamani, M.I.
Evolution of emergency medicine in Malaysia. Humanistic Care When It Matters Most. Facebook

Published 2022 (Accessed 4 April 2023)

- Mackway-Jones, K., Marsden, J., Windle, J.
Emergency Triage: Manchester Triage Group
(2014), 3rd edition Wiley-Blackwell
- Mackway-Jones, K., Marsden, J., Windle, J.
Ersteinschätzung in der Notaufnahme. Hogrefe

Published 2020 (Accessed 1 May 2023)
- Gräff, I., Goldschmidt, B., Glien, P.
The German version of the Manchester Triage System and its quality criteria—first assessment of validity and reliability
(2014) *PLoS One*, 9 (2).
- Mirhaghi, A., Mazlom, R., Heydari, A., Ebrahimi, M.
The reliability of the Manchester Triage System (MTS): a meta-analysis
(2017) *J Evid Based Med*, 10 (2), pp. 129-135.
- Cooke, M.W., Jinks, S.
Does the Manchester triage system detect the critically ill?
(1999) *Emerg Med J*, 16 (3), pp. 179-181.
- Azeredo, T.R.M., Guedes, H.M., Rebelo de Almeida, R.A., Chianca, T.C.M., Martins, J.C.A.
Efficacy of the Manchester Triage System: a systematic review
(2015) *Int Emerg Nurs*, 23 (2), pp. 47-52.
- Mayerhofer, C., Rettl, H., Graziadei, I., Stummer, H.
Validierungsstudie des deutschsprachigen Manchester Triage Systems
(2022) *Med Klin Intensivmed Notfallmed*, 117 (4), pp. 283-288.
- Hinson, J., Martinez, D., Cabral, S.
Triage performance in emergency medicine: systematic review
(2019) *Ann Emerg Med*, 74 (1), pp. 140-152.
- Zachariasse, J.M., van der Hagen, V., Seiger, N., Mackway-Jones, K., van Veen, M., Moll, H.A.
Performance of triage systems in emergency care: a systematic review and meta-analysis
(2019) *BMJ Open*, 9 (5).

Correspondence Address

Peta D.; Alberta Health Services, 22 Cougar Bay North, Canada; email: dawn.peta@hotmail.com

Publisher: Elsevier Inc.

ISSN: 00991767

PubMed ID: 37925222

Language of Original Document: English

Abbreviated Source Title: J. Emerg. Nurs.

2-s2.0-85175348216

Document Type: Article

Publication Stage: Final

Source: Scopus