

Sepsis

Current Awareness Bulletin

July 2026

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- **Bitesize searching databases for evidence: a quick guide to help you develop your literature searching skills**
45 minutes. Learn how to transform a question into a search strategy, and how to find the best evidence in a database.
Next sessions: 10th July @ 12 noon and 3rd August @ 1pm
- **Simple and painless evidence into practice (BMJ Best Practice and the LKS Hub)**
30 minutes. Learn about quick and hassle-free ways to seamlessly incorporate evidence into your daily work.
Next sessions: 27th July @ 4pm and 18th August @ 9am
- **Quickfire health literacy: communicating with patients more effectively**
30 minutes. Learn about the communication barriers patients may encounter, and ways to ensure they get the most from their care.
Next sessions: 30th July @ 12 noon and 7th August @ 1pm

Book a session today at <https://forms.office.com/e/HyiSXfDaYV> (these sessions will be held on a monthly basis)

1. Sepsis prognosis in the emergency department: assessment of shock indices, SOFA, qSOFA, and lactate.

Authors: Akpinar G.;Bulut S.P.;Ozsemerci H.A.;Kose A.;Dogan S.;Basibuyuk A.E.;Yilmaz A.S. and Hamitoglu, M.

Publication Date: 2026

Journal: International Journal of Emergency Medicine 19(1) (pagination), pp. Article Number: 160.
Date of Publication: 01 Dec 2026

2. Sleep interruption aggravates sepsis by rewiring the macrophage immune response.

Authors: Allen, Jacob A.;Ali, Taniah;Rodarte, Daniela;Garcia, Luiz;Murray, Mark E.;Morgan, Mackenzie;Ugochukwu, Chidozie;Patel, Anjali;Ligon, Sydney;Dwivedi, Alok K. and Walker, Wendy E.

Publication Date: 2026

Journal: The Journal of Immunology 215(6), pp. 06 07

3. Mortality Rate in Critically Ill Patients Diagnosed with Sepsis: Can Blood Culture Results Predict Mortality?.

Authors: Asghari R.;Bahador T.N.;Morshedzadeh T.;Ghasempour M.;Mahmoodpoor A. and Soleimanpour, H.

Publication Date: 2026

Journal: Archives of Clinical Infectious Diseases 21(1) (pagination), pp. Article Number: e168271. **Date of Publication:** 01 Feb 2026

4. A Retrospective Cohort Study Assessing the Impact of Dexmedetomidine on Prognosis in Mechanically Ventilated Sepsis Patients.

Authors: Ding Z.;Pan S. and Wang, M.

Publication Date: 2026

Journal: Journal of Intensive Care Medicine (pagination)

5. Diagnosing Sepsis in Primary Care: Navigating Clinical Uncertainty Across Vulnerable Patient Groups

Authors: Elbaroumi, Omar

Publication Date: May ,2026

Journal: Cureus 18(5), pp. e109461

6. Frailty evaluation for the prediction of short-term mortality of patients with sepsis: a meta-analysis.

Authors: Han M.;Li Z.;Liu S. and Zhao, S.

Publication Date: 2026

Journal: European Journal of Medical Research 31(1) (pagination), pp. Article Number: 868. Date of Publication: 01 Dec 2026

7. Prediction models for mortality in patients with sepsis: a systematic review and meta-analysis.

Authors: Lei, Siyuan;Ruan, Huanrong;Wang, Jun;Zhao, Guixiang;Zhao, Hulei;Liu, Jianping and Li, Jiansheng

Publication Date: 2026

Journal: Frontiers in Medicine 13, pp. 1730156

8. Rethinking rate-related myocardial injury in sepsis: atrial fibrillation, heart rate, cardiac troponin T and long-term mortality.

Authors: Lorstad S.;Essehorn L.;Engdahl J. and Persson, J.

Publication Date: 2026

Journal: Open Heart 13(1) (pagination), pp. Article Number: e004073. Date of Publication: 01 Jan 2026

9. Characteristics and outcomes of type 2 myocardial infarction in sepsis survivors.

Authors: Ma X.Y.;Ma M.X.;Luo Y.Y.;Wang H.;Li Y.;Wang Y.X.;Li W.L.;Liu Y.;Kang W.H.;Xia J.J.;Wang L. and Wang, F.

Publication Date: 2026

Journal: Frontiers in Cardiovascular Medicine 13(pagination), pp. Article Number: 1828329. Date of

Publication: 2026

10. Management of septic joints in the United States: A Nationwide comparison of surgical and non-surgical treatment.

Authors: Mahamid A.;Yassin M.;Habiballa B.;Natsheh M.;Murad H.;Robinson D.;Haviv B.;Yassin A. and Khatib, M.

Publication Date: 2026

Journal: International Orthopaedics (pagination), pp. Date of Publication: 2026

11. Prognostic accuracy of mid-regional proadrenomedullin in patients with sepsis - A longitudinal observational study.

Authors: Makkar, Akshita;Khushboo, H. L.;Bairwa, Mukesh;Sharma, Ashish;Goyal, Bela and Kant, Ravi

Publication Date: 2026

Journal: International Journal of Critical Illness and Injury Science 16(2), pp. 41–47

12. Clinical Outcomes for Emergency Department Presentations of Sepsis Managed on a Clinical Pathway: A Systematic Review and Meta-Analysis.

Authors: McKinlay A.;Barrington G.;Prior S.J. and Tran, V.

Publication Date: 2026

Journal: Healthcare (Switzerland) 14(11) (pagination), pp. Article Number: 1509. Date of Publication: 01 Jun 2026

13. Comorbidities, Weight-Based Initial Fluid Resuscitation, and Mortality in Patients With Sepsis.

Authors: Munroe E.S.;Walzl E.;Seelye S.;Cahill M.;Cziloc T.;Jones J.;Kenes M.T.;Posa P.J.;Parks Taylor S. and Prescott, H. C.

Publication Date: 2026

Journal: JAMA Network Open 9(6) (pagination), pp. Article Number: e2618232. Date of Publication: 12 Jun 2026

14. Prognostic value of the National Early Warning Score2 (NEWS-2) in the emergency care of patients over 80years old with infection: an observational study.

Authors: Perea Gainza M.;Arce Maranon M.A.;Miota Hernandez N.;Sempertegui Gutierrez D.;Carbo Diez M.;Osorio Quispe G.;Artajona Garcia L.;Pinol Bel C.;Castano Suero M.J.;Rangel Falcon C.;Benedetti G. and Ortega Romero, M. M.

Publication Date: 2026

Journal: Revista Clinica Espanola (pagination)

15. Early Prediction of Sepsis-Related Coagulopathy: A Comparative Evaluation of Clinical Scoring Systems in the Emergency Department.

Authors: Petrucci M.;Gemma S.;Iozzia I.;Della Polla D.A.;Bonadia N.;Tullo G.;Fanelli P.M.C.;Gasbarrini A.;Franceschi F. and Covino, M.

Publication Date: 2026

Journal: Journal of Clinical Medicine 15(11) (pagination), pp. Article Number: 4199. Date of Publication: 01 Jun 2026

16. A Comparative Evaluation of SIRS, NEWS2, SOFA, and the Novel SOFA-2 Score for Sepsis Classification Agreement and Outcome Prediction.

Authors: Qin J.;Yan Y.;Wang C.;Tao X.;Wu Z.;Liu B. and Niu, B.

Publication Date: 2026

Journal: Diagnostics 16(11) (pagination), pp. Article Number: 1579. Date of Publication: 01 Jun 2026

17. Epidemiology, comorbidity patterns and outcomes of maternal sepsis-related coded discharges in Ireland 2020-2025.

Authors: Ravichandran N.;Fitzpatrick P.;Hayes E.;Quinlan D.;Molloy M.;Umana E.;Breslin T.;Cotter A. and Cullen, W.

Publication Date: 2026

Journal: European Journal of Obstetrics and Gynecology and Reproductive Biology 324(pagination), pp. Article Number: 115251. Date of Publication: 01 Aug 2026

18. Epidemiology and outcomes of adult (non-maternity) community-onset sepsis in Ireland: a secondary analysis of acute hospital administrative data 2020-2024.

Authors: Ravichandran N.;Quinlan D.;Fitzpatrick P.;Hayes E.;Molloy M.;Umana E.;Breslin T.;Cotter A. and Cullen, W.

Publication Date: 2026

Journal: Irish Journal of Medical Science (pagination), pp. Date of Publication: 2026

19. Prognostic Value of ISTH Disseminated Intravascular Coagulation Score and Sepsis-Induced Coagulopathy Score in Patients with Sepsis: A Hospital-Based Observational Study.

Authors: Ravichandran P.Y. and Krishnaswamy, M.

Publication Date: 2026

Journal: International Journal of Drug Delivery Technology 16(36 Supplement) (pp 1053-1059), pp. Date of Publication: 2026

20. Vitamin D at hospital admission as an independent predictor of outcome of sepsis patients: Results of a secondary analysis from a "Need-Speed" trial prospective cohort.

Authors: Sainaghi P.P.;Rizzi M.;Tonello S.;Vincenzi F.;Primatesta M.;Dianzani U.;Rolla R.;Tillio P.A.;Pirisi M.;Lupia E.;Franceschi F.;Somma S.D.;Muiesan M.L.;Biolo G.;Avanzi G.C.;Castello L.;D'Onglia D.;Minisini R.;Perazzi M.;Zeqaj I., et al

Publication Date: 2026

Journal: European Journal of Internal Medicine (pagination)

21. From development to clinical practice: deployment of an interoperable and secure ML-based CDSS to aid in the early detection of sepsis.

Item Type: Journal Article

Authors: Serrano Garcia A.;Lopez D.;MaciasFassio E.;SalasSosa S.;Pascual I.;Pruenza C.;BorgesSa M.;Giglio A.;CruzRojo J. and PachecoPuig, R.

Publication Date: 2026

Journal: International Journal of Medical Informatics 219(pagination), pp. Article Number: 106545.
Date of Publication: 01 Oct 2026

22. The interplay between type 2 diabetes mellitus and sepsis: a scoping review.

Item Type: Journal Article

Authors: Sham S.S.;Wong S.K.;Chin K.Y.;Yusof N.L.M.;Tan T.L.;Chau E.Y.W.;Zamhot A.;Sanip A. and Muharram, A.

Publication Date: 2026

Journal: International Journal of Medical Sciences 23(7), pp. 2423–2447

23. Early prediction of sepsis infection risk for intensive care unit patients using machine learning based approach.

Authors: Shatnawi M.Q.;Alkhateeb K. and Alzoubi, O.

Publication Date: 2026

Journal: Intelligence-Based Medicine 15(pagination), pp. Article Number: 100403. Date of Publication: 01 Se 2026

24. The Influence of Diabetes on Outcomes of Patients With Sepsis.

Authors: Silveira L.M.;Silva S.C.;Lenhari M.;de Melo T.P.;RuffinoNetto A. and Stabile, A. M.

Publication Date: 2026

Journal: Journal of Client-Centered Nursing Care 12(1), pp. 87–98

25. Sepsis Recognition and Management Gaps in Hospitals: A Post Hoc Analysis of a Subset of Data from the European Sepsis Care Survey.

Authors: Smiechowicz J.;Scheer C.S.;Bartczak J.;BartkowskaSniatkowska A.;Bascik K.;Czaban S.L.;Czempik P.F.;Dabrowski W.;Galuszka R.;Gawor M.;Gruszczczyk J.;Hasak L.;Janc J.;Jaworski M.;Lubonski J.;MikaszewskaSokolewicz M.;Musiuk T.;Smuszkiewicz P.;StefanskaWronka K.;Spiewak M., et al

Publication Date: 2026

Journal: Infectious Diseases and Therapy (pagination), pp. Date of Publication: 2026

26. Infection site modifies the prognostic impact of disseminated intravascular coagulation in

sepsis.

Authors: Takayama W.;Tomita N.;Matsuo Y. and Morishita, K.

Publication Date: 2026

Journal: Thrombosis Research 263(pagination), pp. Article Number: 109761. Date of Publication: 01 Jul 2026

27. Comparative Prognostic Performance of HALP, PIV, and Naples Prognostic Score in Critically Ill Patients with Sepsis: A Retrospective Multicentre Cohort Study.

Authors: Uyar S.;Eyiol H.;Yilmaz A.;Eyiol A. and Alsancak, Y.

Publication Date: 2026

Journal: Journal of Clinical Medicine 15(12) (pagination), pp. Article Number: 4729. Date of Publication: 01 Jun 2026

28. Comparison of National Early Warning Score 2 (NEWS2) and Quick Sequential Organ Failure Assessment (qSOFA) for Predicting In-Hospital Mortality in Patients With Sepsis.

Authors: V, Arjun;Varghese, Sajit and Joseph, Rose Merin

Publication Date: May ,2026

Journal: Cureus 18(5), pp. e108080

29. Long-term survival in patients discharged alive from hospital following an intensive care unit admission with sepsis or septic shock in Australia and New Zealand: an observational cohort study.

Authors: Wah W.;Poole A.P.;Campbell L.;Cohen J.;Cooper J.;Deane A.;Delaney A.;Eastwood G.;Finfer S.;French C.;Haines K.;Hammond N.;Higgins A.;Hodgson C.;Jones D.;Litton E.;McQuilten Z.;Neto A.S.;Pilcher D.;Peake S., et al

Publication Date: 2026

Journal: The Lancet Regional Health - Western Pacific 72(pagination), pp. Article Number: 101912. Date of Publication: 01 Jul 2026

30. Mortality prediction by quick Sequential Organ Failure Assessment, National Early Warning Score 2, Shock Index, and Modified Shock Index in suspected sepsis: A retrospective study.

Authors: Wang X.;Wang Y.;She J. and Miao, H.

Publication Date: 2026

Journal: Journal of International Medical Research 54(6) (pagination), pp. Article Number: 03000605261458634. Date of Publication: 01 Jun 2026

31. Association of preadmission metformin use and prognosis in patients with sepsis with diabetes: a systematic review and meta-analysis.

Item Type: Journal Article

Authors: Zhang M.;Lin Z.;Chen C.;Zhong X.;Liu W.;Chen Z.;Chen T.;Song C.;Tian G. and Wu, K.

Publication Date: 2026

Journal: Frontiers in Endocrinology 17(pagination), pp. Article Number: 1815219. Date of Publication: 20 Ar 2026

32. The new SOFA for sepsis identification and mortality prediction: a multicenter cohort study.

Authors: Zhao L.;Cui Q.;Liu J.;Dong S.;Zong L.;Yang F.;Shi H.;Wang Y.;Zhao X.;Li H.;Fang Y.;Gao Y.;Pei H.;Su F.;Zhang H.;De Backer D.;Li Y. and Xie, K.

Publication Date: 2026

Journal: Journal of Intensive Care 14(1) (pagination), pp. Article Number: 49. Date of Publication: 01 Dec 2026

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