

**2026 Consensus Statement 6 by the IDSA and ESCMID on the Duration of Antibiotic Therapy in Low-Risk Patients with SAB without Evidence of Deep-Seated or Metastatic Foci of Infection**

**Clinical question 6**

Should patients stratified as low-risk SAB and classified as without deep-seated or metastatic foci of infection after diagnostic evaluation receive antibiotic therapy for 14 days, less than 14 days, or more than 14 days?

*Supplementary Material*

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## **Conflicts of Interest**

All members of the expert panel complied with the IDSA policy on conflict of interest (COI), which requires disclosure of any financial, intellectual, or other interest that might be construed as constituting an actual, potential, or apparent conflict. Evaluation of such relationships as potential conflicts of interest was determined by a review process which included assessment by the Standards and Practice Guideline Subcommittee (SPGS) Chair, the SPGS liaison to the Guideline panel, and the Board of Directors liaison to the SPGS, and if necessary, the COI Taskforce of the Board. This assessment of disclosed relationships for possible COI was based on the relative weight of the financial relationship (i.e., monetary amount) and the relevance of the relationship (i.e., the degree to which an independent observer might reasonably interpret an association as related to the topic or consensus statement of consideration). The reader of these guidelines should be mindful of this when the list of disclosures is reviewed.

## **Possible conflicts of interest (COI)**

The panelists have reported the following disclosures with the indicated companies: **C.A.A.** Serves as a writer for UptoDate and editor in Chief for AAC for the American Society for Microbiology; is named as inventor of a patent application (# 64/002,464); has received a researched grant from Entasis Pharmaceuticals; has served as a standing member of the Microbiology and Infectious Diseases Study Section and Chair of AIRT (Anti-infective Resistance and Targets) with NIH/NIAID; served as a member of the Physician Scientist Development Committee for the American Society for Clinical Investigation and the Anti-infective Pipeline Panel for the World Health Organization. The following relationships were divested prior to joining the panel: Promotional (non-CME) Speakers Bureau for Pfizer, The Medecins Company, Merck, and Actavis; research grants from Merck, The Medecins Company, Actavis, Theravance and MeMed Diagnostics; and advisor for Merck, Theravance, and Bayer Global. **D.B.** serves as an editor for Sanford Guide. **T.B.** serves as a research consultant for MSD and Pfizer; receives an honorarium from GSK; receives research funding from Simonsen Foundation; has received honoraria from Pfizer and Gilead Sciences; has served as an advisor for GSK, Abbvie, Astra Zeneca, Boehringer Ingelheim, Janssen, Pfizer, Gilead, MSD, Moderna, Shionogi; and has received research funding from Medimmune, Innovationsfonden, National Institutes of Allergy and Infectious Diseases, Aarhus University, Denmark, Roche, Novartis, Bavarian Nordic, Janssen, MSD, CSL Seqirus, Simonsen Foundation, Gilead, and Lundbeck Foundation. **H.W.B.** serves as an editor for Sanford Guide; serves as Editor, ID Clinics of North America for Elsevier; receives a research grant from NIH's ARLG; has served as an advisor for Actelion, Merck, Cardeas; received remuneration from ABIM and ASM; has received honoraria from NIH and Elsevier; has provided expert testimony for CRICO; has served as Member and Chair, Board of Trustees for Physicians of Tufts Medical Center and College of Holy Cross; and has served as Member of the ID Test Committee and Member and of the ID Board for the American Board of Internal Medicine; and has served as Editor, AAC for ASM. **A.J.C.** receives research funding

from NIHR, CARB-X, and UKRI; serves on Conference Organizing Committee and has served as the Chair of Committee for Scientific Affairs and Awards for the European Society for Paediatric Infectious Disease; has served on Conference Organizing Committee for the European Congress on Tropical Medicine and International Health; has received research funding from the European Commission, UK Research and Innovation, European and Developing Countries Clinical Trials Partnership, EU Horizon 2020, and Rosetrees Trust; spouse is a former employee of GlaxoSmithKline. **V.F.** serves as a research consultant for GSK, Akagera, AstraZeneca, and Armata; serves as a research advisor for Basilea and Debiopharm; receives a grant through Duke/DCRI from Basilea, from Exponential Deep Examination // Research of Technologies and Biophotonics, Ltd., AstraZeneca, Contrafact, Merck, Karius, Janssen, and NIH; receives royalties from UpToDate; stock options from Valanbio; patent pending sepsis diagnostic; has served as an advisor for Pfizer, Truist/Cubist/Merck, Novartis, Defined Healthcare Research, Insyght; has served as a consultant for LEK and Novadigm; received research grants from Cubist/Merck, Cerexa/Forest/Actavis/Allergan, Genentech, Medimmune, Medimmune, Advanced Liquid Logic; has coauthored chapters in UpToDate; and has served as a contact PI for an NIH leadership group. **M.H.** serves as a writer for UpToDate; and has received project funding from the World Health Organization. **A.J.K.** receives research funding from the Federal Ministry of Research, Technology and Space (BMFTR), from Ministerium für Wissenschaft, Energie Klimaschutz und Umwelt des Landes Sachsen-Anhalt (MWU); has served as a scientific consultant for the German Center for Infection Research (DZIF), for Staatskanzlei des Landes Sachsen-Anhalt, and Institut für Medizinische und Pharmazeutische Prüfungsfragen (IMPP); has received payments for lectures by Landesärztekammer Sachsen-Anhalt, Donau University Krems, Austria, Limbach Group, Deutsche Gesellschaft für Infektiologie (DGI), and AMEOS KH Labor GmbH; has received research grants from Deutsche Forschungsgemeinschaft (DFG) and served as site principal investigator in clinical studies funded by the European Union; has served as Chairperson for the German Sepsis Society (DSG). **W.V.K.** has received research funding from Baden-Württemberg Federal State Ministry of Science and Art, MSD, BMS, Janssen, Gilead, ViiV; has received honoraria from Gilead; has served as a consultant for Roche, Stiftung Warentest; has received an organizational benefit from Akademie für Infektionsmedizin; and has served as programme director and chair for ESCMID. **V.L.M.** has served as a marketing consultant for Sanofi Aventis and Advanz; has served as a research advisor for Pfizer; has received sponsorship from Advanz Pharma; has received funding from ANRS and French Ministry of Health; has served as a scientific advisor for Advanz Pharma; and has served as a marketing advisor for Gilead. **C.L.** receives research funding from SNIPR Biome; has served as a member of an independent efficacy adjudication committee for Theravance and clinical events committee for DCRI/ ARLG; and has received research funding from NIAID/NIH, Pfizer, University of Queensland, Houston Methodist Hospital, and Johns Hopkins University. **M.J.L.** receives

research funding from National Institute for Health Research (NIHR) (UK); has served as an advisor for Genentech; has received remuneration from Pfizer; has served as a research consultant for Infectopharm and Astellas; has served as a member of NIHR Clinical Research Network; and has received research funding from NIHR Research Healthcare Technology Appraisal Panel (UK), Medical Research Council, Joint Programme Initiative on Antimicrobial Resistance, and ESCMID. **E.L.C.** has participated with the Promotional (non-CME) Speakers Bureau for Merck Sharp and Dohme and Angellini; has served as an advisor for Angellini, Glaxosmithkline, Gilead, Correio, ViiV Healthcare, Merck, Sharp and Dohme, and Menarini; has received research funding from IDIBELL and Instituto de Salud Carlos III (Ministry of Health, Social Services and Equality, University of Cologne, Deutschland, and JPI-EC-AMR Joint Transnational, CIDARA; has received an honorarium and other remuneration from Merck Sharp and Dohme; and has served as a consultant for Correio and Angellini. **J.C.M.** receives research funding from Merck; receives royalties from Up To Date; and has received research funding from Nabriva Therapeutics, NIH, AHRQ, and Allergan. **L.M.** receives research funding from Paratek and Armata; has received research funding from ContraFect, NIH, CDC, AHRQ, GSK, Merck; and has received remuneration from Cepheid, Xbio, Theravance, Gilead, Acchaogen, GSK, and Genentech. **M.P.** serves as editor for ESCMID; receives academic funding from ERANET JPIAMR; has received a research grant through Rambam Health Care Campus from Pfizer; has received academic funding from H2020-JTI-IMI2-2017, IMI, EU, 7<sup>th</sup> FP, The Israel National Institute for Health Policy Research, Israel Ministry of Science, Israel Science Foundation, the European Commission, Shionogi, and Israel Ministry of Health. **K.J.P.** receives research funding from NIH; has served as a member of the Society for Healthcare Epidemiology of America; has served as a member of CDC/American Hospital Association/Health Research and Educational Trust and SHEA/CDC; and has received research funding from NIAID and CDC. **S.R.** receives honoraria for lectures from Akademie für Infektionsmedizin, Med Update GmbH, streamedup! GmbH, Forum für medizinische Fortbildung, Meet The Experts Academy, Deutscher Apotheker-Verlag, Deutsches Beratungszentrum für Hygiene, Pfizer, bioMérieux, GSK, and Falk Foundation; serves as an elected member of the Steering Committee of The German Society for Infectious Diseases (DGI); has served on the Promotional (non-CME) Speakers Bureau for MSD and Pfizer; has received remuneration from Astellas, Falk Foundation, MedUpdate GmbH; has served as an Executive Committee member of the German Infectious Diseases Society; has received research funding from DLR/Innovationsfonds GBA, BMBF, the Federal Ministry of Education and Research, from the German Research Foundation and the European Union, and from University Medical Center Freiburg; and has received honoraria from Dt. Apotheker-Verlag, Deutsches Beratungszentrum für Hygiene, and Paul-Ehrlich Society for Chemotherapy. **M.R.** serves as a content reviewer for UpToDate and DynaMedex; serves as a member of the scientific advisory board for Citius Pharmaceuticals; serves on an editorial board for a SHEA journal

(ASHE); has served as a consultant for XBiotech, CR Bard, 3M, Teleflex, Allegra, and Medpace; has received research funding from Magnolia, ContraFect, NIH/DCRI; and was a liaison to CDC for SHEA. **M.S.** receives lecture honoraria from various universities; serves as chair of advisory board for DoseMe; receives research grants from NIH/FDA, University of Pennsylvania, and University of Michigan; serves on the Board of Directors with the American College of Clinical Pharmacy; serves as Associate Editor for International Journal of Antimicrobial Agents; is a co-owner of SafeGate Therapeutics, LLC; and owns a patent; has provided expert testimony for Chambless, Higdon, Richardson, Katz & Griggs, LLP, for Hall, Booth, Smith, P.C., for Reminger Co., L.P.A., and for Taylor, English, Duma, LLP; has served as a legal consultant for Duke ARLG, Chambless, Higdon, Richardson, Katz & Griggs, LLP, for Hall, Booth, Smith, P.C., and for Reminger Co., L.P.A.; has served as a consultant or advisor for Innoviva, Abbvie, Guidepoint Global, Roche, Spero, Seikagaku Corporation, Meitheal Pharmaceuticals, Inc., Chattem, Inc., Xellia, Duke/ARLG, ARK, Cidara, Third Pole Therapeutics, F2G, Merck, Takeda, Nevakar, Achaogen, Paratek, Bayer, SuperTrans Medical, University of Michigan, Premier Healthcare Solutions, iFAST, DoseMe, Inc, Lykos Therapeutics; has received research funding from Cystic Fibrosis Foundation, Allegra, Nevakar, Hauser, DHHS/FDA/OAGS/DAO, NIAID, Midwestern University Intramural, Cubist Pharmaceuticals, Illinois Department of healthcare, CARE Foundation, International Institute for Nanotechnology Seed Project; received remuneration from NIH, ASHP, SuperTrans Medical, Cystic Fibrosis Foundation, Taylor, English, Duma, LLP, Allegra, Merck, SIGA Technologies, CARE Foundation, Astellas, Allergan, UIC, Premier Inc.; and has received honoraria from St. Jude, Monash University, SHEA, Roosevelt University, ACCP, MAD-ID, NIH, University of Cincinnati. **A.S.** serves on the Promotional (non-CME) Speakers Bureau for Shionogi, Menarini, and Pfizer; receives research funding from Gilead and Advance Pharma; has served as a research and marketing advisor for Pfizer; has served as a research consultant for Pfizer and Advance Pharma; has served on the Promotional (non-CME) Speakers Bureau for Merck Sharp and Dohme, Angelini, Novartis, and Gilead; has received research funding from Fondos de Investigación Sanitari, Gilead, and Pfizer; and has served on the Promotional (non-CME) Speakers Bureau for Gilead. **B.S.** receives funding from Analog Devices; has served on the advisory board for Basilia Pharmaceutica; has served on the advisory board for MicroGenDx; has served as a panel member for ARLG; has received research grants from NIAID and DARPA; and has served as a consultant for Pfizer and Regeneron. **L.S.** has received research funding from NID/NIAID/DMID. **H.C.**'s spouse has stocks in Merck; has stock in Moderna; serves on a Data Safety Monitoring Board for Merck; serves as a consultant for GSK; receives funding from NIH; serves as an editor of the Sanford Guide to Antimicrobial Therapy; has served as a past editor on Antimicrobial Agents and Chemotherapy with ASM; receives research funding from NIH/NIAID; has provided expert testimony for Lilly and Nexus; had stock in Merck; has served as an advisor to TAXIS, Theravance, Allergan, Anacor, Genetech, Cempras, and Quorum; has received past

research funding from NIH, Allergan, The Medicine Company, and Genentech. **S.Y.C.T.** serves as a research advisor for AstraZeneca; receives research funding from NHMRC and NIH; receives royalties from UpToDate; has served as an advisor for Roivant; has served as a member of ESCMID; has received research funding from BHP, Minderoo, Macquarie Group, Pratt Foundation, NHMRC, and MRFF; has served as a member of an expert writing group for Therapeutic Guidelines: Antibiotic; and has served as a steering committee member for WikiGuidelines. **F.V.** serves as co-funder and medical director of Weezion; receives funding from the French National Research Agency; and has received research funding from bioMérieux, European community, FINOVI Foundation, Boaster Technology Research Agency, and Ministry of Health.

No disclosures were reported from **B.H.**

### **Review and Approval Process**

Feedback was obtained from three external peer expert reviewers, and involved organizations, i.e., SIDP (Society of Infectious Diseases Pharmacists), European Society of Clinical Microbiology and Infectious Diseases (ESCMID), Pediatric Infectious Diseases Society (PIDS), American Society of Health-System Pharmacists (ASHP), and the Society for Healthcare Epidemiology of America (SHEA). In addition, the guideline was reviewed by the IDSA Standards and Practice Guidelines Subcommittee (SPGS) and the IDSA Board of Directors. After review and approval by the various organizations and reviewers, the guideline was posted online prior to publication to facilitate a public comment period requesting feedback on the full guideline. The panel reviewed the feedback from the public comment phase and updated the guideline prior to final approval by the IDSA SPGS and Board of Directors.

### **Process for Updating**

IDSA guidelines and consensus statements are regularly reviewed for currency. The need for updates to the guidelines and consensus statements is determined by a scan of current literature and the likelihood that any new data would impact the consensus statement. Any changes to the consensus statement will be submitted for review and approval to the appropriate Committees and Board of IDSA.

## Other Tables and Figures

**Table 1:** Characteristics of the included observational studies

| Study                | Study design and SAB enrollment                              | N treatment evaluable cohort / N full cohort (%) | Study Years | Site (n) and Country          | Age in years, full cohort | % Female, full cohort |
|----------------------|--------------------------------------------------------------|--------------------------------------------------|-------------|-------------------------------|---------------------------|-----------------------|
| Abbas 2020 [1]       | All first episodes of SAB, retrospective                     | 443/530 (84%)                                    | 2010-2015   | Single, Switzerland           | Adults (NR)               | 34                    |
| Ariaans 2018 [2]     | All SAB, retrospective                                       | 613/613 (100%)                                   | 2009-2017   | Single, Netherlands           | Adults (Median 71 years)  | 39                    |
| Asgeirsson 2011 [3]  | All SAB, retrospective                                       | 279/327 (85%)                                    | 2003-2008   | Multi-site (15), Iceland      | Adults (NR)               | 43                    |
| Blyth 2002 [4]       | All SAB, mixed retrospective and prospective observational   | 93/98 (95%)                                      | 1998-1999   | Single, Australia             | Adults (Median 68 years)  | 31                    |
| Chang 2003 [5]       | All SAB, prospective observational                           | 355/448 (79%)                                    | 1994-1996   | Multi-site (6), United States | Adults (Median 58 years)  | 29                    |
| Chong 2013 [6]       | Uncomplicated SAB*, prospective observational                | 111/111 (100%)                                   | 2008-2010   | Single, South Korea           | Adults Median 60 years)   | 31                    |
| El Zakhem 2014 [7]   | Uncomplicated SAB-CRBSI®, retrospective                      | 68/304 (22%)                                     | 2005-2011   | Single, United States         | Adults (Median 58 years)  | 38                    |
| Fätkenheuer 2004 [8] | All first episodes of SAB, retrospective                     | 212/219 (97%)                                    | 1997-2000   | Single, Germany               | Adults (Mean 56 years)    | 35                    |
| Johnson 2003 [9]     | All SAB, retrospective                                       | 104/226 (46%)                                    | 1996-1997   | Single, United States         | Adults (Mean 65 years)    | 47                    |
| Kim 2019 [10]        | All first episodes of SAB, prospective observational         | 785/2098 (37%)                                   | 2009-2017   | Multi-site (11), South Korea  | Adults (Mean 64 years)    | 38                    |
| Kreisel 2006 [11]    | All SAB who survived initial treatment course, retrospective | 397/397 (100%)                                   | 1995-2004   | Single, United States         | Adults (Mean 63 yrs)      | 1                     |

|                             |                                                                                   |                  |           |                                |                            |    |
|-----------------------------|-----------------------------------------------------------------------------------|------------------|-----------|--------------------------------|----------------------------|----|
| Platts 2022 [12]            | All MSSAB, retrospective                                                          | 222/281 (79%)    | 2016-2017 | Single, United Kingdom         | Adults (Mean 60 years)     | 35 |
| Taupin 2020 [13]            | Uncomplicated <sup>^</sup> SAB, retrospective                                     | 64/64 (100%)     | 2015-2019 | Single, United States          | Adults (NR)                | 48 |
| Thorlacius-Ussing 2021 [14] | Low-risk <sup>~</sup> MSSAB who completed initial treatment course, retrospective | 1005/1005 (100%) | 1995-2018 | Multi-site (14), Denmark,      | Adults (NR)                | 36 |
| Kempley 2015 [15]           | All neonatal SAB, retrospective                                                   | 79/90 (88%)      | 2001-2010 | Multi-site (2), United Kingdom | Neonates (Median 27 weeks) | 46 |

NR: not reported; SAB: *Staphylococcus aureus* Bacteremia; CRBSI: catheter-related bloodstream infection, MSSAB: methicillin susceptible SAB

\* Defined as having all of the following: a) negative follow-up blood cultures at 2 to 4 days after diagnosis; b) defervescence within 72 hours of therapy; c) no evidence of metastatic infection among patients with CRBSI or with primary bacteremia without evidence of endocarditis on transthoracic or transesophageal echocardiography; d) in patients with CRBSI, the infected catheter should have been removed.

&Defined as having none of the following: a) retained foreign body other than the catheter; b) infective endocarditis or deep-seated focus of infection diagnosed within 7 days of the bacteremia diagnosis; 3) fever or positive follow-up blood cultures >72 hours after treatment initiation.

<sup>^</sup>As defined by the 2011 IDSA MRSA guidelines [16].

<sup>~</sup>Defined as having none of the following: a) a positive follow-up blood culture for *S. aureus* obtained >48 hours after treatment initiation; b) receiving > 16 days of treatment (because longer treatment may indicate a clinical suspicion of complicated infection); c) presence of endocarditis, meningitis, osteomyelitis, arthritis, spondylodiscitis, "other" secondary manifestation, infection involving a foreign body (prosthetics in joints and bones or implantable devices), or pneumonia.

**Table 2:** List of definitions and comments\*

| Term                                                      | Definitions and comments                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disease definition                                        |                                                                                                                                                                                                                                                                                                                                                                             |
| <i>Staphylococcus aureus</i> bacteremia (SAB)             | The presence of <i>S. aureus</i> in the bloodstream, due to an infectious process. <i>S. aureus</i> is rarely a blood culture contaminant.                                                                                                                                                                                                                                  |
| Bacteremic <i>Staphylococcus (S.) aureus</i> infection    | Most accurate description of the disease.                                                                                                                                                                                                                                                                                                                                   |
| <i>S. aureus</i> bloodstream infection (SAB, SABSI, SABI) | Common shorthand for bacteremic <i>S. aureus</i> infection.                                                                                                                                                                                                                                                                                                                 |
| Patient with SAB                                          | Any patient with $\geq 1$ positive blood culture for <i>S. aureus</i> due to infection.                                                                                                                                                                                                                                                                                     |
| Start of infection                                        |                                                                                                                                                                                                                                                                                                                                                                             |
| Onset of bacteremia                                       | The timepoint when the first blood culture positive with <i>S. aureus</i> was drawn (recognizing that bacteremia may have been present before its collection).                                                                                                                                                                                                              |
| Clinical onset of SAB                                     | The time point when the first clinical symptoms caused by SAB began.                                                                                                                                                                                                                                                                                                        |
| Hospital-onset SAB                                        | Onset of bacteremia (first positive blood culture) at $\geq 48$ hours after hospital admission.<br><br>Delayed recognition of community-onset infection may be misclassified as hospital-onset (e.g., no blood cultures drawn until day four of the hospitalization).                                                                                                       |
| Community-onset SAB                                       | Onset of bacteremia (first positive blood culture) at $< 48$ hours of admission or before hospitalization.<br><br>Community-acquired SAB is an alternative term, but its use is discouraged. It may be used to differentiate between "community-onset SAB without healthcare-association" (i.e., community-acquired SAB) and "community-onset with healthcare-association". |
| Community-onset SAB with healthcare association           | Community-onset SAB with recent healthcare exposure (e.g., attending dialysis clinic, intravenous therapy, wound care, recent hospitalization, nursing home).<br><br>This patient population is exposed to risks associated with healthcare settings (e.g., venous catheters).                                                                                              |
| Site of infection                                         |                                                                                                                                                                                                                                                                                                                                                                             |
| Portal of entry                                           | The site where <i>S. aureus</i> first enters the body.                                                                                                                                                                                                                                                                                                                      |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | An infection is often established at the site of barrier crossing, e.g., a skin and soft tissue infection, a respiratory infection, and, less frequently, a urinary tract infection. However, infection may or may not be present at the portal of entry, and in many cases, the portal of entry is unknown. In some cases, direct inoculation of deeper tissues occurs (e.g., trauma, surgery).                                    |
| Infective focus                | Body site or device with active infection. Several infective foci can be present.<br>Alternative: “focus of infection”.                                                                                                                                                                                                                                                                                                             |
| Source of infection            | Sometimes used interchangeably with “infective focus” but sometimes used as a synonym for “portal of entry”. These other terms are generally preferred due to greater precision.                                                                                                                                                                                                                                                    |
| Deep-seated focus of infection | Serious complication of SAB that includes a non-cutaneous and non-intravenous line-associated site of <i>S. aureus</i> infection of deep tissues or infection in sites or organs (e.g., endocarditis, osteomyelitis, splenic abscess, psoas abscess, septic thrombophlebitis, cardiac device-associated infection).                                                                                                                 |
| Embolic event                  | Embolic events are a result of dislodgement and travel of fragments of potentially infected material (e.g., thrombus) from a primary infection site through the bloodstream to distant sites, causing infarction or secondary sites of infection. Some examples may include septic embolic to the lungs, cerebral emboli, splenic or renal infarcts and peripheral manifestations such as Janeway lesions and splinter hemorrhages. |
| Metastatic seeding             | The process of spreading through the bloodstream to form distant foci of infection.                                                                                                                                                                                                                                                                                                                                                 |
| Metastatic focus               | Infectious focus that has arisen through metastatic seeding.<br><br>The term implies that there is another primary site or portal of entry (known or unknown) distinct from the metastatic focus from which bacteria have seeded. This term is often used when several foci are present and a sequence of events is likely (e.g., endocarditis with splenic metastatic foci).<br>“Secondary focus” is an alternative term.          |
| Primary focus                  | Original site of infection from which bacteria have seeded.<br><br>In practice, the sequence of events cannot always be determined, and the primary focus may not be known.                                                                                                                                                                                                                                                         |
| Contiguous spread              | Extension of the infection from an infective focus to adjacent tissues.                                                                                                                                                                                                                                                                                                                                                             |
| Superficial focus of infection | Localized, surface-level infection (e.g., skin-soft-tissue infections, cutaneous abscesses, or catheter-related infections).                                                                                                                                                                                                                                                                                                        |
| Dominant focus                 | Focus requiring the longest or most complex treatment when multiple infective foci are present.                                                                                                                                                                                                                                                                                                                                     |
| Classification                 |                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary bacteremia                        | <p>A microbiologically documented bloodstream infection without a known source (including an intravenous or arterial line infection).</p> <p>The term is most often used when data on the infective focus is not collected, mainly in epidemiological studies. The use of the term is discouraged outside of epidemiological studies.</p>                                                                                                                                                                                                                                                                                                                                                         |
| Secondary bacteremia                      | <p>A local infection leading to bacteremia (e.g., bacteremic skin and soft tissue infection).</p> <p>Easily confused with secondary focus; therefore, use is discouraged.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Complicated SAB                           | <p>SAB with infection of deep tissues or organs (e.g., endocarditis and other endovascular structures, osteomyelitis, septic arthritis, myositis, kidney, deep tissue planes), relapse, or infection-related mortality.</p> <p>Definitions vary, and the use of this term is discouraged.</p>                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uncomplicated SAB                         | <p>Superficial/removable source with no deep-seated infection, relapse, or infection-related mortality.</p> <p>Definitions vary, and the use of this term is discouraged.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Low-risk SAB                              | SAB with no risk factors or signs of deep tissues or metastatic foci of infection (including endocarditis) or relapse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Increased-risk SAB                        | SAB with at least one risk factor for infection of deep tissues, metastatic foci, or relapse (see Consensus Statement 1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Predisposing heart valve conditions       | <p>Previous history of endocarditis, prosthetic valve, previous valve repair, congenital heart disease, more than mild regurgitation or stenosis of any etiology, endovascular intracardiac implantable electronic device, hypertrophic obstructive cardiomyopathy. Refer to 2023 Duke-ISCVID criteria for additional details [20].</p>                                                                                                                                                                                                                                                                                                                                                           |
| Disease Course                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Central venous catheter-related infection | <p>SAB that arises from, or is directly associated with, a central venous catheter.</p> <p>Diagnosis is usually posed when the same <i>S. aureus</i> isolate (based on antibiotic susceptibility) is identified in one of the following scenarios:</p> <ul style="list-style-type: none"> <li>• Present in both a peripheral blood culture and the catheter tip culture, <b>or</b></li> <li>• Present in both a blood culture and a pus or skin swab from the catheter exit site, <b>or</b></li> <li>• Present in two initial blood cultures—one drawn from a peripheral site and the other through the catheter—with a differential time to positivity (DTTP) of at least 120 minutes</li> </ul> |

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        | <p>(i.e., the catheter-drawn culture becomes positive at least 120 minutes earlier than the peripheral culture), <b>and</b></p> <ul style="list-style-type: none"> <li>• No other plausible source of infection is identified.</li> </ul> <p>Strong clinical suspicion for catheter-related infection: Cultures not obtained, but signs such as pus, redness, pain at exit/tunneled site, or chills during infusion, with no other plausible source.</p>                                                                                   |
| Central-line associated bloodstream infection (CLABSI) | Laboratory confirmed bloodstream infection that develops in a patient with a central line (>48h in place) and the infection is not related to another site of infection. The term CLABSI was designed primarily for surveillance purposes and should not be used to classify clinical diagnoses of SAB. The term CLABSI is non-specific, and surveillance criteria do not clearly characterize the role of the CVC. Thus, patients identified as having a CLABSI may not meet clinical criteria for CVC-related infections.                |
| Source control                                         | <p>An intervention to eliminate or control a focus of <i>S. aureus</i> infection that would be unlikely to respond to antibiotic therapy alone and would increase risk for ongoing sepsis, spread of infection, or relapse.</p> <p>Examples include removal of central line or implanted device, incision and drainage of a skin abscess, interventional drainage of a liver abscess, surgical debridement of an epidural abscess, amputation of an infected diabetic foot, and surgical valve replacement for a perivalvular abscess.</p> |
| Recurrence                                             | Denotes relapse or re-infection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Relapse or relapsed bacteremia                         | <p>Return of <i>S. aureus</i> infection due to unresolved initial infection.</p> <p>Often defined as occurring after completion of a course of therapy. Most relapses occur within 90 days after index infection.</p>                                                                                                                                                                                                                                                                                                                      |
| Re-infection                                           | <p>Another episode of <i>S. aureus</i> infection (bacteremic or not) independent from the initial episode of the infection.</p> <p>It can be distinguished from relapse by whole-genome sequencing or other genetic markers when these differ between the two isolates. However, same-strain re-infections can occur, e.g., because of colonization. Most recurrences occur more than 90 days after the index infection.</p>                                                                                                               |
| Diagnostics                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Blood culture set                                      | One aerobic and one anaerobic blood culture bottle from a single draw.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Follow-up blood culture                                | Blood culture drawn after an initial positive blood culture to monitor the duration of blood culture positivity and document the timing of blood culture clearance.                                                                                                                                                                                                                                                                                                                                                                        |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blood culture clearance  | <p>Day of sampling of the first negative blood culture after which there are no positive blood cultures with <i>S. aureus</i>.</p> <p>The date of blood culture clearance is typically used as a start date for counting the duration of antibiotic therapy (see Consensus Statement 2 for additional details).</p>                                                                                 |
| Time-to-positivity (TTP) | Incubation time of a blood culture for sufficient growth to be detected as “positive” in the blood culture instrument. When several bottles (e.g., aerobic and anaerobic blood culture bottles) are incubated, the shortest time is considered the TTP. TTP is used to calculate the differential time-to-positivity (DTTP) which is used to define CVC-related bloodstream infections (see above). |
| Skip phenomenon          | <p>Intermittent blood culture positivity (i.e., negative follow-up blood cultures followed by positive).</p> <p>The consecutive blood cultures need to be closely spaced and early in the course of infection to distinguish from relapse (see Consensus Statement 2).</p>                                                                                                                          |

\*The terms defined here reflect both their usage in the literature and the panel’s assessment of their appropriateness. This table is intended to promote a shared vocabulary for future research and to guide consistent terminology. It also serves an educational purpose by providing definitions for terms that may be unfamiliar to some but are useful for accurately describing study characteristics.

## Abbreviations

|        |                                                                   |
|--------|-------------------------------------------------------------------|
| CI     | Confidence Interval                                               |
| COI    | Conflict of interest                                              |
| DVT    | Deep vein thrombosis                                              |
| ESCMID | European Society of Clinical Microbiology and Infectious Diseases |
| HR     | Hazard Ratio                                                      |
| IDSA   | Infectious Disease Society of America                             |
| IQR    | Interquartile range                                               |
| MeSH   | Medical Subject Headings                                          |
| MRSA   | Methicillin-Resistant <i>Staphylococcus aureus</i>                |
| MSSA   | Methicillin-Susceptible <i>Staphylococcus aureus</i>              |
| OR     | Odds Ratio                                                        |
| RR     | Relative Risk                                                     |
| SAB    | <i>Staphylococcus aureus</i> bacteremia                           |
| SPGS   | Standards and Practice Guideline Subcommittee                     |
| TEE    | Transesophageal Echocardiography                                  |
| TTE    | Trans-thoracic echocardiography                                   |

## Search strategies

January 2025

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily 1946 to January 10, 2025

1 exp \*Staphylococcal Infections/  
2 Bacteremia/mo, mi or \*Bacteremia/  
3 \*Sepsis/  
4 2 or 3  
5 1 and 4  
6 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
(methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
adj1  
(bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ti.  
7 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
(methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
adj3  
(bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ab. /freq=2  
8 or/5-7 [SAB]  
9 Time Factors/  
10 Time-to-Treatment/  
11 "Referral and Consultation" /  
12 exp \*Recurrence/  
13 (duration\* or (time\* adj factor?) or ((long\* or short\*) adj (course\* or term\*))).tw.  
14 (((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period  
or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
(administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-  
microbial\* or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or  
anti-bact\* or  
antibact\* or therap\*))).ti.  
15 (((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period  
or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
(administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-  
microbial\*  
or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or anti-bact\*  
or antibact\* or therap\*))).ab. /freq=3  
16 or/9-15  
17 8 and 16  
18 (((staphylococ\* adj aureu\*) or "s. aureu\*") and ((long\* or short\* or prolong\*) adj  
(course or term\*)) and therap\*).ti.  
19 (((staphylococ\* adj aureu\*) or "s. aureu\*") and week?).ti.  
20 ((staphylococ\* adj aureu\*) or "s. aureu\*").ti. and (((staphylococ\* adj aureu\*) or "s.  
aureu\*") adj3 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or  
length or period or frequent\* or routine\* or (long\* or short\* or prolong\*)) adj (course or  
term\*))).ab.  
21 (bacter?em\* and ((duration\* or (long\* or short\*)) adj (course or term\*))).ti. and  
((staphylococ\* adj aureu\*) or "s. aureu\*" or infect\* or endocardit\* or osteomyel\*).tw.  
22 (((staphylococ\* adj aureu\*) or "s. aureu\*") adj5 ((management\* or guideline\*) and  
(outcome\* or reinfect\* or relaps\* or recurrenc\* or clinical))).ti.  
23 or/17-22  
24 (Animals/ or Models, Animal/ or Disease Models, Animal/) not ((Animals/ or Models,  
Animal/ or Disease Models, Animal/) and Humans/)  
25 ((animal or animals or cat or cats or dog or dogs or feline or hamster\* or lamb? or mice  
or monkey? or mouse or murine or pig or pigs or piglet\* or porcine or primate\* or  
rabbit\* or rat or rats or rodent\* or sheep\* or veterinar\*) not (human\* or  
patient\*))).ti,kf,jw.  
26 23 not (24 or 25) [Remove animal studies]

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 27 | limit 26 to yr="2023 -Current"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 28 | remove duplicates from 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 29 | ("31357013" or "31790814" or "33824857" or "34033912" or "33519759" or<br>"33130837" or "32548206" or "33813029" or "31136294" or "30552202" or<br>"30949543" or "30817369" or "30788532" or "32015029" or "31569232" or<br>"31316951" or "33196562" or "32082571" or "33239473" or "32507857" or<br>"32667982" or "32460697" or "31541072" or "32205599" or "32506515" or<br>"31039382" or "30982159" or "32328373" or "31481566" or "33355663" or<br>"31968272" or "31297719" or "32128337" or "31009118" or "31310152" or<br>"30858203" or "31735591" or "32639560" or "33414015" or "33530523" or<br>"30239476" or "32049296" or "31155394" or "31024970" or "33278619" or<br>"32047014" or "30866024" or "32908944" or "30879729" or "30719282" or<br>"32393495" or "32218575" or "31676266" or "31857898" or "31301873" or<br>"31590226" or "31624217" or "31355687" or "32600427" or "32148777" or<br>"29347812" or "31111077" or "32301307" or "31636069" or "32085966" or<br>"32193748" or "30287412" or "32747360" or "30466804" or "28859468" or<br>"33757367" or "32763194" or "33359538" or "30876612" or "33264531" or<br>"33392784" or "31493980" or "31873861" or "32981149" or "31101087" or<br>"32539873" or "30601989" or "31892471" or "31512986" or<br>"31938716" or "32141812" or "32759380" or "32797225" or "31544471" or<br>"30760213" or "30949675" or "30641203" or "30553117" or "30904893" or<br>"32112885" or "31407780" or "30805770" or "31637596" or "32067793" or<br>"30689894" or "33157291" or "30149988" or "33672670" or "33588782" or<br>"30949538" or "32355950" or "33993226" or "32974503" or "30924012" or<br>"31372905" or "31060511" or "32505877" or "31360464" or "31196239" or<br>"32091496" or "30036664" or "31660413" or "32735155" or "32128336" or<br>"32423701" or "31398375" or "33609261" or "32281590" or "30753350" or<br>"33134421" or "31046810" or "31495353" or "33677515" or "32763193" or<br>"32044943" or "33675649" or "32094258" or "31385146" or "30520829" or<br>"31365924" or "32839217" or "32736298" or "32901250" or "31123543" or<br>"33045437" or "33785363" or "33728980" or "31489190" or "33419747" or<br>"31338381" or "30968053" or "32570897").ui.<br>30 ("34258313" or "33544027" or "34826374" or "34416816" or "34941623" or<br>"34520335" or "34805430" or "34844643" or "34637480" or "34692605" or<br>"33905485" or "34353808" or "34352434" or "34336531" or "34634714" or<br>"34552578" or "34742320" or "34456898" or "34189171" or "33321197" or<br>"33761197" or "34781259" or "34160233" or "34626700" or "35873286" or<br>"34793891" or "35415199" or "35438533" or "35869753" or "35129409" or<br>"35339677" or "35291804" or "34757117" or "34460909" or "36137340" or<br>"35630294" or "35279079" or "35535790" or "36113032" or "36009973" or<br>"36506352" or "35462678" or "35724915" or "35631107" or "35312715" or<br>"35380005" or "36523711" or "35787919" or "35899276" or "35100939" or<br>"35531332" or "35443013" or "36540385" or "35504616" or "36198909" or<br>"36394002" or "36173628" or "35303019" or "35448079" or "34432165" or<br>"35315156" or "35703303" or "35752689" or "35503384" or "35892770" or<br>"35749114" or "35982140" or "35146040" or "35220702" or "34751941" or<br>"36537200" or "36087919" or "37111497" or "37085305" or "36897327" or<br>"36877013" or "36869697" or "36750777" or "37169818" or "36283610" or<br>"36965196" or "36896138" or "36151989" or "36897764" or<br>"36370898" or "36179908" or "36925664" or "36871407" or "36830316" or<br>"36644414" or "37296787" or "37158826" or "36690124" or "37331697" or<br>"36646104" or "37339827" or "37019243" or "36343474" or "36319538" or<br>"36753700" or "37156588" or "35037823" or "37321394" or "37028799" or<br>"36800065").ui. [Remove Medline UI 2023]<br>31 28 not (29 or 30) |

Ovid Embase 1947 to January 9, 2025

|   |                             |
|---|-----------------------------|
| 1 | *staphylococcal bacteremia/ |
| 2 | *staphylococcal infections/ |

3 \*bacteremia/  
 4 \*Sepsis/  
 5 3 or 4  
 6 1 or (2 and 5)  
 7 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
 (methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
 adj1  
 (bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ti.  
 8 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
 (methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
 adj3 (bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ab. /freq=3  
 9 or/6-8 [SAB]  
 10 time factor/  
 11 time to treatment/  
 12 treatment duration/  
 13 patient referral/  
 14 (duration\* or (time\* adj factor?) or ((long\* or short\*) adj (course\* or term\*))).tw.  
 (((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period  
 or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
 15 (administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-  
 microbial\* or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\*  
 or anti-bact\* or  
 antibact\* or therap\*)).ti.  
 16 (((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period  
 or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
 (administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-  
 microbial\*  
 or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or anti-bact\*  
 or antibact\* or therap\*)).ab. /freq=3  
 17 or/10-16  
 18 9 and 17  
 19 (((staphylococ\* adj aureu\*) or "s. aureu\*") and ((long\* or short\* or prolong\*) adj  
 (course or term\*))) and therap\*).ti.  
 20 (((staphylococ\* adj aureu\*) or "s. aureu\*") and week?).ti.  
 21 (((staphylococ\* adj aureu\*) or "s. aureu\*").ti. and (((staphylococ\* adj aureu\*) or "s.  
 aureu\*") adj3 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or  
 length or period  
 or frequent\* or routine\* or (long\* or short\* or prolong\*)) adj (course or term\*))).ab.  
 22 (bacter?em\* and ((duration\* or (long\* or short\*)) adj (course or term\*))).ti. and  
 ((staphylococ\* adj aureu\*) or "s. aureu\*" or infect\* or endocardit\* or osteomyel\*).tw.  
 23 (((staphylococ\* adj aureu\*) or "s. aureu\*") adj5 ((management\* or guideline\*) and  
 (outcome\* or reinfect\* or relaps\* or recurrenc\* or clinical))).ti.  
 24 or/18-23  
 25 (exp animal/ or exp juvenile animal/ or adult animal/ or animal cell/ or animal  
 experiment/ or animal model/ or animal tissue/ or nonhuman/) not human/  
 26 ((animal or animals or cat or cats or dog or dogs or feline or hamster\* or lamb? or mice  
 or monkey? or mouse or murine or pig or pigs or piglet\* or porcine or primate\* or  
 rabbit\* or rat or rats or rodent\* or sheep\* or veterinar\*) not (human\* or  
 patient\*)).ti,kw,jx.  
 27 24 not (25 or 26)  
 28 limit 27 to yr="2023 -Current"  
 29 remove duplicates from 28  
 30 ("31357013" or "31790814" or "33824857" or "34033912" or "33519759" or  
 "33130837" or "32548206" or "33813029" or "31136294" or "30552202" or  
 "30949543" or "30817369" or "30788532" or "32015029" or "31569232" or  
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 "32667982" or "32460697" or "31541072" or "32205599" or "32506515" or  
 "31039382" or "30982159" or "32328373" or "31481566" or "33355663" or

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| 31 | <p>"31968272" or "31297719" or "32128337" or "31009118" or "31310152" or "30858203" or "31735591" or "32639560" or "33414015" or "33530523" or "30239476" or "32049296" or "31155394" or "31024970" or "33278619" or "32047014" or "30866024" or "32908944" or "30879729" or "30719282" or "32393495" or "32218575" or "31676266" or "31857898" or "31301873" or "31590226" or "31624217" or "31355687" or "32600427" or "32148777" or "29347812" or "31111077" or "32301307" or "31636069" or "32085966" or "32193748" or "30287412" or "32747360" or "30466804" or "28859468" or "33757367" or "32763194" or "33359538" or "30876612" or "33264531" or "33392784" or "31493980" or "31873861" or "32981149" or "31101087" or "32539873" or "30601989" or "31892471" or "31512986" or "31938716" or "32141812" or "32759380" or "32797225" or "31544471" or "30760213" or "30949675" or "30641203" or "30553117" or "30904893" or "32112885" or "31407780" or "30805770" or "31637596" or "32067793" or "30689894" or "33157291" or "30149988" or "33672670" or "33588782" or "30949538" or "32355950" or "33993226" or "32974503" or "30924012" or "31372905" or "31060511" or "32505877" or "31360464" or "31196239" or "32091496" or "30036664" or "31660413" or "32735155" or "32128336" or "32423701" or "31398375" or "33609261" or "32281590" or "30753350" or "33134421" or "31046810" or "31495353" or "33677515" or "32763193" or "32044943" or "33675649" or "32094258" or "31385146" or "30520829" or "31365924" or "32839217" or "32736298" or "32901250" or "31123543" or "33045437" or "33785363" or "33728980" or "31489190" or "33419747" or "31338381" or "30968053" or "32570897").pm. [Remove Medline UI]</p> <p>("34258313" or "33544027" or "34826374" or "34416816" or "34941623" or "34520335" or "34805430" or "34844643" or "34637480" or "34692605" or "33905485" or "34353808" or "34352434" or "34336531" or "34634714" or "34552578" or "34742320" or "34456898" or "34189171" or "33321197" or "33761197" or "34781259" or "34160233" or "34626700" or "35873286" or "34793891" or "35415199" or "35438533" or "35869753" or "35129409" or "35339677" or "35291804" or "34757117" or "34460909" or "36137340" or "35630294" or "35279079" or "35535790" or "36113032" or "36009973" or "36506352" or "35462678" or "35724915" or "35631107" or "35312715" or "35380005" or "36523711" or "35787919" or "35899276" or "35100939" or "35531332" or "35443013" or "36540385" or "35504616" or "36198909" or "36394002" or "36173628" or "35303019" or "35448079" or "34432165" or "35315156" or "35703303" or "35752689" or "35503384" or "35892770" or "35749114" or "35982140" or "35146040" or "35220702" or "34751941" or "36537200" or "36087919" or "37111497" or "37085305" or "36897327" or "36877013" or "36869697" or "36750777" or "37169818" or "36283610" or "36965196" or "36896138" or "36151989" or "36897764" or "36370898" or "36179908" or "36925664" or "36871407" or "36830316" or "36644414" or "37296787" or "37158826" or "36690124" or "37331697" or "36646104" or "37339827" or "37019243" or "36343474" or "36319538" or "36753700" or "37156588" or "35037823" or "37321394" or "37028799" or "36800065").pm. [Remove Medline UI 2023]</p> |
| 32 | <p>("627192079" or "631914596" or "631637513" or "2001655318" or "628981776" or "626717778" or "2002240343" or "626608176" or "2001783069" or "629408218" or "2003872166" or "2004585946" or "2010715686" or "2006102131" or "2004926200" or "633607513" or "2006861520" or "631051595" or "2007936439" or "2003857190" or "631318590" or "2005274910" or "2001073500" or "2007714276" or "2005761406" or "2005759533" or "2011228821" or "634895324" or "2011097105").an. [Remove Embase UI 2021]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 33 | <p>("2022079526" or "2021400113" or "2024106693" or "2022891088" or "2023762968" or "2022681115" or "2022322543" or "2015564838" or "2014510639" or "2020159143" or "2016403201" or "2017319727" or "2019831674" or "2019442135" or "2013648465" or "2016403471" or "2017149260" or "2017279521" or "2018990207" or "2014826912" or "2013923467" or "2014030561").an. [Remove Embase 2023]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 34 | <p>29 not (or/30-33)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|    |                                                                             |
|----|-----------------------------------------------------------------------------|
| 35 | limit 34 to (books or chapter or conference abstract or conference paper or |
| 36 | "conference review" or editorial or letter or note)<br>34 not 35            |

Cochrane (WILEY) January 9, 2025

|    |                                                                                          |
|----|------------------------------------------------------------------------------------------|
| 1  | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin |
| 2  | NEAR/0 (resistant or susceptible)) or (staphylococ* NEAR/0 aureu*) or s                  |
| 3  | NEXT aureu*)) NEAR/1 (bacter* or septic* or sepsis* or (blood* NEXT infect*))) :ti       |
| 4  | ((staphylococ* aureu*) or (s NEXT aureu*)) NEAR/1 (bacter* or septic* or sepsis* or      |
| 5  | (blood* NEAR/0 infect*))) :ab                                                            |
| 6  | #1 OR #2                                                                                 |
| 7  | (duration* or time* or delay* or timing or hours or day* or week? or length or period or |
| 8  | frequent* or routine* or long* or short* or prolong*) :ti,ab                             |
| 9  | #3 AND #4                                                                                |
| 10 | #3 AND #4 with Cochrane Library publication date Between Jul 2023 and Feb 2025           |

## July 2023

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily <1946 to July 13, 2023

|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| 1  | exp *Staphylococcal Infections/                                                                            |
| 2  | Bacteremia/mo, mi or *Bacteremia/                                                                          |
| 3  | *Sepsis/                                                                                                   |
| 4  | 2 or 3                                                                                                     |
| 5  | 1 and 4                                                                                                    |
| 6  | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or                                |
| 7  | (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*"))                 |
| 8  | adj1                                                                                                       |
| 9  | (bacter* or septic* or sepsis* or (blood* adj1 infect*))) :ti.                                             |
| 10 | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or                                |
| 11 | (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*"))                 |
| 12 | adj3 (bacter* or septic* or sepsis* or (blood* adj1 infect*))) :ab. /freq=2                                |
| 13 | or/5-7 [SAB]                                                                                               |
| 14 | Time Factors/                                                                                              |
| 15 | Time-to-Treatment/                                                                                         |
| 16 | "Referral and Consultation"/                                                                               |
| 17 | exp *Recurrence/                                                                                           |
| 18 | (duration* or (time* adj factor?) or ((long* or short*) adj (course* or term*))) :tw.                      |
| 19 | ((duration* or time* or delay* or timing or hours or day* or week? or length or period or                  |
| 20 | frequent* or routine* or ((long* or short* or prolong*) adj (course or term*))) adj2                       |
| 21 | (administration* or treatment* or drug* or medication* or antimicrobial* or anti-                          |
| 22 | microbial* or antibiotic* or anti-biotic* or pharmaco* or antiinfectiv* or anti-infectiv* or               |
| 23 | anti-bact* or                                                                                              |
| 24 | antibact* or therap*))) :ti.                                                                               |
| 25 | ((duration* or time* or delay* or timing or hours or day* or week? or length or period or                  |
| 26 | frequent* or routine* or ((long* or short* or prolong*) adj (course or term*))) adj2                       |
| 27 | (administration* or treatment* or drug* or medication* or antimicrobial* or anti-                          |
| 28 | microbial* or antibiotic* or anti-biotic* or pharmaco* or antiinfectiv* or anti-infectiv* or anti-bact* or |
| 29 | antibact* or therap*))) :ab. /freq=3                                                                       |
| 30 | or/9-15                                                                                                    |

17 8 and 16  
 18 (((staphylococ\* adj aureu\*) or "s. aureu\*") and ((long\* or short\* or prolong\*) adj (course  
 or term\*))) and therap\*).ti.  
 19 (((staphylococ\* adj aureu\*) or "s. aureu\*") and week?).ti.  
 20 ((staphylococ\* adj aureu\*) or "s. aureu\*").ti. and (((staphylococ\* adj aureu\*) or "s.  
 aureu\*") adj3 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length  
 or period or frequent\* or routine\* or (long\* or short\* or prolong\*)) adj (course or  
 term\*))).ab.  
 21 (bacter?em\* and ((duration\* or (long\* or short\*)) adj (course or term\*))).ti. and  
 ((staphylococ\* adj aureu\*) or "s. aureu\*" or infect\* or endocardit\* or osteomyel\*).tw.  
 22 (((staphylococ\* adj aureu\*) or "s. aureu\*") adj5 ((management\* or guideline\*) and  
 (outcome\* or reinfect\* or relaps\* or recurrenc\* or clinical))).ti.  
 23 or/17-22  
 24 (Animals/ or Models, Animal/ or Disease Models, Animal/) not ((Animals/ or Models,  
 Animal/ or Disease Models, Animal/) and Humans/)  
 25 ((animal or animals or cat or cats or dog or dogs or feline or hamster\* or lamb? or mice or  
 monkey? or mouse or murine or pig or pigs or piglet\* or porcine or primate\* or rabbit\* or  
 rat or rats or rodent\* or sheep\* or veterinar\*) not (human\* or patient\*)).ti,kf,jw.  
 26 23 not (24 or 25) [Remove animal studies]  
 27 limit 26 to yr="2021 -Current"  
 28 remove duplicates from 27  
 29 ("31357013" or "31790814" or "33824857" or "34033912" or "33519759" or "33130837"  
 or "32548206" or "33813029" or "31136294" or "30552202" or "30949543" or  
 "30817369" or "30788532" or "32015029" or "31569232" or "31316951" or "33196562"  
 or "32082571" or "33239473" or "32507857" or "32667982" or "32460697" or  
 "31541072" or "32205599" or "32506515" or "31039382" or "30982159" or "32328373"  
 or "31481566" or "33355663" or "31968272" or "31297719" or "32128337" or  
 "31009118" or "31310152" or "30858203" or "31735591" or "32639560" or "33414015"  
 or "33530523" or "30239476" or "32049296" or "31155394" or "31024970" or  
 "33278619" or "32047014" or "30866024" or "32908944" or "30879729" or "30719282"  
 or "32393495" or "32218575" or "31676266" or "31857898" or "31301873" or  
 "31590226" or "31624217" or "31355687" or "32600427" or "32148777" or "29347812"  
 or "31111077" or "32301307" or "31636069" or "32085966" or "32193748" or  
 "30287412" or "32747360" or "30466804" or "28859468" or "33757367" or "32763194"  
 or "33359538" or "30876612" or "33264531" or "33392784" or "31493980" or  
 "31873861" or "32981149" or "31101087" or "32539873" or "30601989" or "31892471"  
 or "31512986" or "31938716" or "32141812" or "32759380" or "32797225" or  
 "31544471" or "30760213" or "30949675" or "30641203" or "30553117" or "30904893"  
 or "32112885" or "31407780" or "30805770" or "31637596" or "32067793" or  
 "30689894" or "33157291" or "30149988" or "33672670" or "33588782" or "30949538"  
 or "32355950" or "33993226" or "32974503" or "30924012" or "31372905" or  
 "31060511" or "32505877" or "31360464" or "31196239" or "32091496" or "30036664"  
 or "31660413" or "32735155" or "32128336" or "32423701" or 31398375" or  
 "33609261" or "32281590" or "30753350" or "33134421" or "31046810" or "31495353"  
 or "33677515" or "32763193" or "32044943" or "33675649" or "32094258" or  
 "31385146" or "30520829" or "31365924" or "32839217" or "32736298" or "32901250"  
 or "31123543" or "33045437" or "33785363" or "33728980" or "31489190" or  
 "33419747" or "31338381" or "30968053" or "32570897").ui.  
 30 28 not 29

Ovid Embase 1947 to July 16, 2023

|    |                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | *staphylococcal bacteremia/                                                                                                                                                                                                                                                                                                                                                                                   |
| 2  | *staphylococcal infections/                                                                                                                                                                                                                                                                                                                                                                                   |
| 3  | *bacteremia/                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4  | *Sepsis/                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5  | 3 or 4                                                                                                                                                                                                                                                                                                                                                                                                        |
| 6  | 1 or (2 and 5)                                                                                                                                                                                                                                                                                                                                                                                                |
| 7  | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*")) adj1 (bacter* or septic* or sepsis* or (blood* adj1 infect*))).ti.                                                                                                                                                                     |
| 8  | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*")) adj3 (bacter* or septic* or sepsis* or (blood* adj1 infect*))).ab. /freq=3                                                                                                                                                             |
| 9  | or/6-8 [SAB]                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10 | time factor/                                                                                                                                                                                                                                                                                                                                                                                                  |
| 11 | time to treatment/                                                                                                                                                                                                                                                                                                                                                                                            |
| 12 | treatment duration/                                                                                                                                                                                                                                                                                                                                                                                           |
| 13 | patient referral/                                                                                                                                                                                                                                                                                                                                                                                             |
| 14 | (duration* or (time* adj factor?) or ((long* or short*) adj (course* or term*))).tw.                                                                                                                                                                                                                                                                                                                          |
| 15 | ((duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or ((long* or short* or prolong*) adj (course or term*))) adj2 (administration* or treatment* or drug* or medication* or antimicrobial* or anti-microbial* or antibiotic* or anti-biotic* or pharmaco* or antiinfectiv* or anti-infectiv* or anti-bact* or antibact* or therap*)).ti.         |
| 16 | ((duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or ((long* or short* or prolong*) adj (course or term*))) adj2 (administration* or treatment* or drug* or medication* or antimicrobial* or anti-microbial* or antibiotic* or anti-biotic* or pharmaco* or antiinfectiv* or anti-infectiv* or anti-bact* or antibact* or therap*)).ab. /freq=3 |
| 17 | or/10-16                                                                                                                                                                                                                                                                                                                                                                                                      |
| 18 | 9 and 17                                                                                                                                                                                                                                                                                                                                                                                                      |
| 19 | ((staphylococ* adj aureu*) or "s. aureu*") and ((long* or short* or prolong*) adj (course or term*)) and therap*).ti.                                                                                                                                                                                                                                                                                         |
| 20 | ((staphylococ* adj aureu*) or "s. aureu*") and week?).ti.                                                                                                                                                                                                                                                                                                                                                     |
| 21 | ((staphylococ* adj aureu*) or "s. aureu*").ti. and (((staphylococ* adj aureu*) or "s. aureu*") adj3 ((duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or (long* or short* or prolong*)) adj (course or term*))).ab.                                                                                                                             |
| 22 | (bacter?em* and ((duration* or (long* or short*)) adj (course or term*))).ti. and ((staphylococ* adj aureu*) or "s. aureu*" or infect* or endocardit* or osteomyl*).tw.                                                                                                                                                                                                                                       |
| 23 | ((staphylococ* adj aureu*) or "s. aureu*") adj5 ((management* or guideline*) and (outcome* or reinfect* or relaps* or recurrenc* or clinical))).ti.                                                                                                                                                                                                                                                           |
| 24 | or/18-23                                                                                                                                                                                                                                                                                                                                                                                                      |
| 25 | (exp animal/ or exp juvenile animal/ or adult animal/ or animal cell/ or animal experiment/ or animal model/ or animal tissue/ or nonhuman/) not human/                                                                                                                                                                                                                                                       |
| 26 | ((animal or animals or cat or cats or dog or dogs or feline or hamster* or lamb? or mice or monkey? or mouse or murine or pig or pigs or piglet* or porcine or primate* or rabbit* or rat or rats or rodent* or sheep* or veterinar*) not (human* or patient*)).ti,kw,jx.                                                                                                                                     |
| 27 | 24 not (25 or 26)                                                                                                                                                                                                                                                                                                                                                                                             |

28 limit 27 to yr="2021 -Current"  
 29 remove duplicates from 28  
 30 ("31357013" or "31790814" or "33824857" or "34033912" or "33519759" or  
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 or "31495353" or "33677515" or "32763193" or "32044943" or "33675649" or  
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 "31489190" or "33419747" or "31338381" or "30968053" or "32570897").pm. [Remove  
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 31 ("34258313" or "33544027" or "34826374" or "34416816" or "34941623" or  
 "34520335" or "34805430" or "34844643" or "34637480" or "34692605" or "33905485"  
 or "34353808" or "34352434" or "34336531" or "34634714" or "34552578" or  
 "34742320" or "34456898" or "34189171" or "33321197" or "33761197" or "34781259"  
 or "34160233" or "34626700" or "35873286" or "34793891" or "35415199" or  
 "35438533" or "35869753" or "35129409" or "35339677" or "35291804" or "34757117"  
 or "34460909" or "36137340" or "35630294" or "35279079" or "35535790" or  
 "36113032" or "36009973" or "36506352" or "35462678" or "35724915" or "35631107"  
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 or "36394002" or "36173628" or "35303019" or "35448079" or "34432165" or  
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 or "35982140" or "35146040" or "35220702" or "34751941" or "36537200" or  
 "36087919" or "37111497" or "37085305" or "36897327" or "36877013" or "36869697"  
 or "36750777" or "37169818" or "36283610" or "36965196" or "36896138" or  
 "36151989" or "36897764" or "36370898" or "36179908" or "36925664" or "36871407"  
 or "36830316" or "36644414" or "37296787" or "37158826" or "36690124" or  
 "37331697" or "36646104" or "37339827" or "37019243" or "36343474" or "36319538"  
 or "36753700" or "37156588" or "35037823" or "37321394" or "37028799" or  
 "36800065").pm. [Remove Medline UI 2023]

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 32 | ("627192079" or "631914596" or "631637513" or "2001655318" or "628981776" or "626717778" or "2002240343" or "626608176" or "2001783069" or "629408218" or "2003872166" or "2004585946" or "2010715686" or "2006102131" or "2004926200" or "633607513" or "2006861520" or "631051595" or "2007936439" or "2003857190" or "631318590" or "2005274910" or "2001073500" or "2007714276" or "2005761406" or "2005759533" or "2011228821" or "634895324" or "2011097105").an. [Remove Embase UI 2021] |
| 33 | 29 not (or/30-32)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 34 | limit 33 to (books or chapter or conference abstract or conference paper or "conference review" or editorial or letter or note)                                                                                                                                                                                                                                                                                                                                                                 |
| 35 | 33 not 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

# Cochrane (WILEY) JULY 16, 2023

|    |                                                                                                                                                                                                                                                    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #1 | (((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin NEAR/0 (resistant or susceptible)) or (staphylococ* NEAR/0 aureu*) or "s. aureu*")) NEAR/1 (bacter* or septic* or sepsis* or (blood* NEAR/0 infect*))) :ti |
| #2 | (((staphylococ* aureu*) or ("s. aureu*")) NEAR/1 (bacter* or septic* or sepsis* or (blood* NEAR/0 infect*))) :ab                                                                                                                                   |
| #3 | #1 OR #2                                                                                                                                                                                                                                           |
| #4 | (duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or long* or short* or prolong*) :ti,ab                                                                                              |
| #5 | #3 AND #4                                                                                                                                                                                                                                          |
| #6 | #3 AND #4 with Cochrane Library publication date from Jul 2021 to Jul 2023                                                                                                                                                                         |

# July 2021

## Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily <1946 to June 04, 2021

|    |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | exp *Staphylococcal Infections/                                                                                                                                                                                                                                                                                                                                                                        |
| 2  | Bacteremia/mo, mi or *Bacteremia/                                                                                                                                                                                                                                                                                                                                                                      |
| 3  | *Sepsis/                                                                                                                                                                                                                                                                                                                                                                                               |
| 4  | 2 or 3                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5  | 1 and 4                                                                                                                                                                                                                                                                                                                                                                                                |
| 6  | (((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*")) adj1 (bacter* or septic* or sepsis* or (blood* adj1 infect*))) .ti.                                                                                                                                                              |
| 7  | (((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin adj (resistant or susceptible)) or (staphylococ* adj aureu*) or "s. aureu*")) adj3 (bacter* or septic* or sepsis* or (blood* adj1 infect*))) .ab. /freq=2                                                                                                                                                      |
| 8  | or/5-7 [SAB]                                                                                                                                                                                                                                                                                                                                                                                           |
| 9  | Time Factors/                                                                                                                                                                                                                                                                                                                                                                                          |
| 10 | Time-to-Treatment/                                                                                                                                                                                                                                                                                                                                                                                     |
| 11 | "Referral and Consultation"/                                                                                                                                                                                                                                                                                                                                                                           |
| 12 | exp *Recurrence/                                                                                                                                                                                                                                                                                                                                                                                       |
| 13 | (duration* or (time* adj factor?) or ((long* or short*) adj (course* or term*))) .tw.                                                                                                                                                                                                                                                                                                                  |
| 14 | ((duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or ((long* or short* or prolong*) adj (course or term*))) adj2 (administration* or treatment* or drug* or medication* or antimicrobial* or anti-microbial* or antibiotic* or anti-biotic* or pharmaco* or antiinfectiv* or anti-infectiv* or anti-bact* or antibact* or therap*)) .ti. |

15 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
 (administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-  
 microbial\* or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or  
 anti-bact\* or antibact\* or therap\*)).ab. /freq=3  
 16 or/9-15  
 17 8 and 16  
 18 (((staphylococ\* adj aureu\*) or "s. aureu\*") and ((long\* or short\* or prolong\*) adj (course or  
 term\*)) and therap\*).ti.  
 19 (((staphylococ\* adj aureu\*) or "s. aureu\*") and week?).ti.  
 20 ((staphylococ\* adj aureu\*) or "s. aureu\*").ti. and (((staphylococ\* adj aureu\*) or "s. aureu\*")  
 adj3 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period  
 or frequent\* or routine\* or (long\* or short\* or prolong\*)) adj (course or term\*))).ab.  
 21 (bacter?em\* and ((duration\* or (long\* or short\*)) adj (course or term\*))).ti. and  
 ((staphylococ\* adj aureu\*) or "s. aureu\*" or infect\* or endocardit\* or osteomyel\*).tw.  
 22 (((staphylococ\* adj aureu\*) or "s. aureu\*") adj5 ((management\* or guideline\*) and  
 (outcome\* or reinfect\* or relaps\* or recurrenc\* or clinical))).ti.  
 23 or/17-22  
 24 (Animals/ or Models, Animal/ or Disease Models, Animal/) not ((Animals/ or Models,  
 Animal/ or Disease Models, Animal/) and Humans/)  
 25 ((animal or animals or cat or cats or dog or dogs or feline or hamster\* or lamb? or mice or  
 monkey? or mouse or murine or pig or pigs or piglet\* or porcine or primate\* or rabbit\* or  
 rat or rats or rodent\* or sheep\* or veterinar\*) not (human\* or patient\*)).ti,kf,jw.  
 26 23 not (24 or 25) [Remove animal studies]  
 27 limit 26 to yr="2019 -Current"  
 28 remove duplicates from 27

#### Ovid Embase 1947 to June 05, 2021

1 \*staphylococcal bacteremia/  
 2 \*staphylococcal infections/  
 3 \*bacteremia/  
 4 \*Sepsis/  
 5 3 or 4  
 6 1 or (2 and 5)  
 7 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
 (methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
 adj1 (bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ti.  
 8 (((SAB and (staphylococ\* or aureu\*)) or (SABSI or MRSAB or MSSA or MRSA or  
 (methicillin adj (resistant or susceptible)) or (staphylococ\* adj aureu\*) or "s. aureu\*"))  
 adj3 (bacter\* or septic\* or sepsis\* or (blood\* adj1 infect\*))).ab. /freq=3  
 9 or/6-8 [SAB]  
 10 time factor/  
 11 time to treatment/  
 12 treatment duration/  
 13 patient referral/  
 14 (duration\* or (time\* adj factor?) or ((long\* or short\*) adj (course\* or term\*))).tw.  
 15 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period or  
 frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2  
 (administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-

microbial\* or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or anti-bact\* or antibact\* or therap\*).ti.

16 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period or frequent\* or routine\* or ((long\* or short\* or prolong\*) adj (course or term\*))) adj2 (administration\* or treatment\* or drug\* or medication\* or antimicrobial\* or anti-microbial\* or antibiotic\* or anti-biotic\* or pharmaco\* or antiinfectiv\* or anti-infectiv\* or anti-bact\* or antibact\* or therap\*)).ab. /freq=3

17 or/10-16

18 9 and 17

19 (((staphylococ\* adj aureu\*) or "s. aureu\*") and ((long\* or short\* or prolong\*) adj (course or term\*)) and therap\*).ti.

20 (((staphylococ\* adj aureu\*) or "s. aureu\*") and week?).ti.

21 ((staphylococ\* adj aureu\*) or "s. aureu\*").ti. and (((staphylococ\* adj aureu\*) or "s. aureu\*") adj3 ((duration\* or time\* or delay\* or timing or hours or day\* or week? or length or period or frequent\* or routine\* or (long\* or short\* or prolong\*)) adj (course or term\*))).ab.

22 (bacter?em\* and ((duration\* or (long\* or short\*)) adj (course or term\*))).ti. and ((staphylococ\* adj aureu\*) or "s. aureu\*" or infect\* or endocardit\* or osteomyel\*).tw.

23 (((staphylococ\* adj aureu\*) or "s. aureu\*") adj5 ((management\* or guideline\*) and (outcome\* or reinfect\* or relaps\* or recurrenc\* or clinical))).ti.

24 or/18-23

25 (exp animal/ or exp juvenile animal/ or adult animal/ or animal cell/ or animal experiment/ or animal model/ or animal tissue/ or nonhuman/) not human/

26 ((animal or animals or cat or cats or dog or dogs or feline or hamster\* or lamb? or mice or monkey? or mouse or murine or pig or pigs or piglet\* or porcine or primate\* or rabbit\* or rat or rats or rodent\* or sheep\* or veterinar\*) not (human\* or patient\*)).ti,kw,jx.

27 24 not (25 or 26)

28 limit 27 to yr="2019 -Current"

29 remove duplicates from 28

30 ("31357013" or "31790814" or "33824857" or "34033912" or "33519759" or "33130837" or "32548206" or "33813029" or "31136294" or "30552202" or "30949543" or "30817369" or "30788532" or "32015029" or "31569232" or "31316951" or "33196562" or "32082571" or "33239473" or "32507857" or "32667982" or "32460697" or "31541072" or "32205599" or "32506515" or "31039382" or "30982159" or "32328373" or "31481566" or "33355663" or "31968272" or "31297719" or "32128337" or "31009118" or "31310152" or "30858203" or "31735591" or "32639560" or "33414015" or "33530523" or "30239476" or "32049296" or "31155394" or "31024970" or "33278619" or "32047014" or "30866024" or "32908944" or "30879729" or "30719282" or "32393495" or "32218575" or "31676266" or "31857898" or "31301873" or "31590226" or "31624217" or "31355687" or "32600427" or "32148777" or "29347812" or "31111077" or "32301307" or "31636069" or "32085966" or "32193748" or "30287412" or "32747360" or "30466804" or "28859468" or "33757367" or "32763194" or "33359538" or "30876612" or "33264531" or "33392784" or "31493980" or "31873861" or "32981149" or "31101087" or "32539873" or "30601989" or "31892471" or "31512986" or "31938716" or "32141812" or "32759380" or "32797225" or "31544471" or "30760213" or "30949675" or "30641203" or "30553117" or "30904893" or "32112885" or "31407780" or "30805770" or "31637596" or "32067793" or "30689894" or "33157291" or "30149988" or "33672670" or "33588782" or "30949538" or "32355950" or "33993226" or "32974503" or "30924012" or "31372905" or "31060511" or "32505877" or "31360464" or "31196239" or "32091496" or "30036664"

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | or "31660413" or "32735155" or "32128336" or "32423701" or "31398375" or "33609261" or "32281590" or "30753350" or "33134421" or "31046810" or "31495353" or "33677515" or "32763193" or "32044943" or "33675649" or "32094258" or "31385146" or "30520829" or "31365924" or "32839217" or "32736298" or "32901250" or "31123543" or "33045437" or "33785363" or "33728980" or "31489190" or "33419747" or "31338381" or "30968053" or "32570897").pm. [Remove Medline UI] |
| 31 | 29 not 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 32 | limit 31 to (books or chapter or conference abstract or conference paper or "conference review" or editorial or letter or note)                                                                                                                                                                                                                                                                                                                                            |
| 33 | 31 not 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Cochrane (WILEY) JUNE 5, 2021

|   |                                                                                                                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ((((SAB and (staphylococ* or aureu*)) or (SABSI or MRSAB or MSSA or MRSA or (methicillin NEAR/0 (resistant or susceptible)) or (staphylococ* NEAR/0 aureu*) or "s. aureu*")) NEAR/1 (bacter* or septic* or sepsis* or (blood* NEAR/0 infect*))) :ti |
| 2 | ((((staphylococ* aureu*) or ("s. aureu*")) NEAR/1 (bacter* or septic* or sepsis* or (blood* NEAR/0 infect*))) :ab                                                                                                                                   |
| 3 | #1 OR #2                                                                                                                                                                                                                                            |
| 4 | (duration* or time* or delay* or timing or hours or day* or week? or length or period or frequent* or routine* or long* or short* or prolong*) :ti,ab                                                                                               |
| 5 | #3 AND #4                                                                                                                                                                                                                                           |
| 6 | #3 AND #4 with Cochrane Library publication date from Jan 2019 to Jun 2021                                                                                                                                                                          |

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