References

1. UK Health Security Agency (UKHSA). UK Guidelines for the Management of Contacts of Invasive Group A Streptococcus (iGAS) in Community Settings. 2023. Available from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment</u> <u>data/file/1140766/Management-of-contacts-of-invasive-group-a-streptococcus.pdf</u>.

2. Health Protection Surveillance Centre (HPSC) Ireland. The Management of Invasive Group A Streptococcal Infections in Ireland. 2006.

3. Scottish Intercollegiate Guidelines Network (SIGN). SIGN Grading System 1999 to 2012. 2019. Accessed on: 25 January 2024. Available from: https://www.sign.ac.uk/assets/sign_grading_system_1999_2012.pdf.

4. Public Health England. Guidance for public health management of meningococcal disease in the UK. 2019. Available from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment data/file/829326/PHE meningo disease guideline.pdf.

5. Marques DFP, Reynolds AJ, Van Beneden CA, Lamagni, T, , Bishop L, Brown C, et al. Outbreak of influenza B and group A streptococcal co-infection among international travellers on a coach tour of Scottish Highlands & Islands. Leading European Scientific Conference on Applied Infectious Disease Epidemiology (ESCAIDE); 21-23 November 2018; Saint Julian's, Malta.

6. World Health Organization (WHO). The current evidence for the burden of Group A Streptococcal diseases. 2005. Available from: https://apps.who.int/iris/handle/10665/69063.

7. Efstratiou A, Lamagni T. Epidemiology of Streptococcus pyogenes. In: Ferretti JJ, Stevens DL, Fischetti VA, editors. Streptococcus pyogenes: Basic Biology to Clinical Manifestations. Oklahoma City: University of Oklahoma Health Sciences Center; 2016.

8. Health Protection Surveillance Centre (HPSC) Ireland. Report on invasive Group A streptococcal (iGAS) infections in Ireland. 2023. Available from: <u>https://www.hpsc.ie/a-z/other/groupastreptococcaldiseasegas/HPSC%20iGAS%20Update%20DEC23_FINAL.pdf</u>.

9. Oliver J, Malliya Wadu E, Pierse N, Moreland NJ, Williamson DA, Baker MG. Group A Streptococcus pharyngitis and pharyngeal carriage: A meta-analysis. PLoS Neglected Tropical Diseases. 2018;12(3):e0006335.

10. Strömberg A, Schwan A, Cars O. Throat carrier rates of beta-hemolytic streptococci among healthy adults and children. Scandinavian Journal of Infectious Diseases. 1988;20(4):411-7.

11. Pearson M, Fallowfield JL, Davey T, Thorpe NM, Allsopp AJ, Shaw A, et al. Asymptomatic group A Streptococcal throat carriage in Royal Marines recruits and Young Officers. Journal of Infection. 2017;74(6):585-9.

12. Davies HD, McGeer A, Schwartz B, Green K, Cann D, Simor AE, et al. Invasive group A streptococcal infections in Ontario, Canada. Ontario Group A Streptococcal Study Group. New England Journal of Medicine. 1996;335(8):547-54.

13. Cordery R, Purba AK, Begum L, Mills E, Mosavie M, Vieira A, et al. Frequency of transmission, asymptomatic shedding, and airborne spread of Streptococcus pyogenes in schoolchildren exposed to scarlet fever: a prospective, longitudinal, multicohort, molecular epidemiological, contact-tracing study in England, UK. The Lancet Microbe. 2022;3(5):e366-e75.

14. Mead PB, Winn WC. Vaginal-rectal colonization with group A streptococci in late pregnancy. Infectious Diseases in Obstetrics and Gynecology. 2000;8(5-6):217-9.

15. Hassan IA, Onon TS, Weston D, Isalska B, Wall K, Afshar B, et al. A quantitative descriptive study of the prevalence of carriage (colonisation) of haemolytic streptococci groups A, B, C and G in pregnancy. Journal of Obstetrics and Gynaecology : The Journal of the Institute of Obstetrics and Gynaecology. 2011;31(3):207-9.

16. Saab J, Bell SM, Lahra MM. Vaginal carriage rate of streptococcal pyogenes in 1600 pregnant women. Pathology - Journal of the Royal College Of Pathologists Of Australasia (RCPA). 2012;44(6).

17. Bruins MJ, Damoiseaux RA, M. J, Ruijs GJHM. Association between group A betahaemolytic streptococci and vulvovaginitis in adult women: a case–control study. European Journal of Clinical Microbiology & Infectious Diseases. 2009;28(8):1019-21.

18. Donders G, Greenhouse P, Donders F, Engel U, Paavonen J, Mendling W. Genital Tract GAS Infection: International Society for Infectious Diseases in Obstetrics and Gynaecology (ISIDOG) Guidelines,. Journal of Clinical Medicine. 2021;10(9).

19. Lamagni TE, A, Blackburn R, J K, Davison. P, Dance D, Nair P, et al. Resurgence of group A streptococcal disease in England, 2008 to 2009. Leading European Scientific Conference on Applied Infectious Disease Epidemiology (ESCAIDE); 26 - 28 October 2009; Stockholm, Sweden.

20. Lamagni TL, Neal S, Keshishian C, Alhaddad N, George R, Duckworth G, et al. Severe Streptococcus pyogenes infections, United Kingdom, 2003-2004. Emerging Infectious Diseases. 2008;14(2):202-9.

21. Saavedra-Campos M, Simone B, Balasegaram S, Wright A, Usdin M, Lamagni T. Estimating the risk of invasive group A Streptococcus infection in care home residents in England, 2009-2010. Epidemiology and Infection. 2017;145(13):2759-65.

22. Cummins A, Millership S, Lamagni T, Foster K. Control measures for invasive group A streptococci (iGAS) outbreaks in care homes. The Journal of Infection. 2012;64(2):156-61.

23. Rainbow J, Jewell B, Danila RN, Boxrud D, Beall B, Van Beneden C, et al. Invasive group a streptococcal disease in nursing homes, Minnesota, 1995-2006. Emerging Infectious Diseases. 2008;14(5):772-7.

24. Infectious Diseases Regulations, (1981), Ireland. S.I. No. 390/1981. Available from: <u>https://www.irishstatutebook.ie/eli/1981/si/390/</u>

25. The Public Health (Notifiable Diseases) Order (Northern Ireland). 2022. Accessed on: 25 January 2024. Available from: <u>https://www.legislation.gov.uk/nisr/2022/181/made</u>.

26. Gherardi G, Vitali LA, Creti R. Prevalent emm Types among Invasive GAS in Europe and North America since Year 2000. Frontiers in Public Health. 2018;6:59.

27. Chalker VJ, Smith A, Al-Shahib A, Botchway S, MacDonald E, Daniel R, et al. Integration of Genomic and Other Epidemiologic Data to Investigate and Control a Cross-Institutional Outbreak of *Streptococcus pyogenes*. Emerging Infectious Diseases. 2016;22(6):973-80.

28. Degala S, Puleston R, Bates R, Borges-Stewart R, Coelho J, Kapatai G, et al. A protracted iGAS outbreak in a long-term care facility 2014–2015: control measures and the use of whole-genome sequencing. Journal of Hospital Infection. 2020;105(1):70-7.

29. Dickinson H, Reacher M, Nazareth B, Eagle H, Fowler D, Underwood A, et al. Wholegenome sequencing in the investigation of recurrent invasive group A streptococcus outbreaks in a maternity unit. Journal of Hospital Infection. 2019;101(3):320-6.

30. Sharma H, Ong MR, Ready D, Coelho J, Groves N, Chalker V, et al. Real-time whole genome sequencing to control a *Streptococcus pyogenes* outbreak at a national orthopaedic hospital. Journal of Hospital Infection. 2019;103(1):21-6.

31. Bubba L, Bundle N, Kapatai G, Daniel R, Balasegaram S, Anderson C, et al. Genomic sequencing of a national emm66 group A streptococci (GAS) outbreak among people who inject drugs and the homeless community in England and Wales, January 2016-May 2017. Journal of Infection. 2019;79(5):435-43.

32. Public Health England (PHE). Invasive group A streptococcal outbreaks associated with community health services delivered at home, January 2018 to September 2019. 2021. Available from:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment data/file/1016197/PHE_CHSDH_iGAS_outbreak_report_9_Aug.pdf.

33. Coelho JM, Kapatai G, Jironkin A, Al-Shahib A, Daniel R, Dhami C, et al. Genomic sequence investigation Streptococcus pyogenes clusters in England (2010-2015). Clinical Microbiology and Infection. 2019;25(1):96-101.

34. Bessen DE, Lizano S. Tissue tropisms in group A streptococcal infections. Future Microbiology. 2010;5(4):623-38.

35. Luca-Harari B, Darenberg J, Neal S, Siljander T, Strakova L, Tanna A, et al. Clinical and microbiological characteristics of severe Streptococcus pyogenes disease in Europe. Journal of Clinical Microbiology. 2009;47(4):1155-65.

36. Chalker V, Jironkin A, Coelho J, Al-Shahib A, Platt S, Kapatai G, et al. Genome analysis following a national increase in Scarlet Fever in England 2014. BMC Genomics. 2017;18(1):224.

37. Al-Shahib A, Underwood A, Afshar B, Turner CE, Lamagni T, Sriskandan S, et al. Emergence of a novel lineage containing a prophage in emm/M3 group A Streptococcus associated with upsurge in invasive disease in the UK. Microbial Genomics. 2016;2(6):e000059.

38. Lamagni TL, Neal S, Keshishian C, Powell D, Potz N, Pebody R, et al. Predictors of death after severe Streptococcus pyogenes infection. Emerging Infectious Diseases. 2009;15(8):1304-7.

 Public Health Ontario. COVID-19 Resources for Congregate Living Settings. 2023.
Accessed on: 27 October 2023. Available from: <u>https://www.publichealthontario.ca/en/Diseases-and-Conditions/Infectious-</u> <u>Diseases/Respiratory-Diseases/Novel-Coronavirus/Congregate-Living-Settings-</u> <u>Resources#:~:text=Congregate%20living%20settings%20refer%20to,Correctional%20facilitie</u> <u>S</u>.

40. de Almeida Torres RS, dos Santos TZ, Torres RA, Petrini LM, Burger M, Steer AC, et al. Management of Contacts of Patients With Severe Invasive Group A Streptococcal Infection. Journal of the Pediatric Infectious Diseases Society. 2016;5(1):47-52.

41. Weiss K, Laverdière M, Lovgren M, Delorme J, Poirier L, Béliveau C. Group A Streptococcus carriage among close contacts of patients with invasive infections. American Journal of Epidemiology. 1999;149(9):863-8.

42. National Institute for Health and Care Excellence (NICE). Sore throat (acute): antimicrobial prescribing 2018. Available from: <u>https://www.nice.org.uk/guidance/ng84</u>.

43. Darenberg J, Henriques-Normark B, Lepp T, Tegmark-Wisell K, Tegnell A, Widgren K. Increased incidence of invasive group A streptococcal infections in Sweden, January 2012-February 2013. Eurosurveillance. 2013;18(14):20443.

44. O'Loughlin RE, Roberson A, Cieslak PR, Lynfield R, Gershman K, Craig A, et al. The epidemiology of invasive group A streptococcal infection and potential vaccine implications: United States, 2000-2004. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2007;45(7):853-62.

45. Adebanjo T, Apostol M, Alden N, Petit S, Tunali A, Torres S, et al. Evaluating household transmission of invasive group A streptococcus disease in the United States using population-based surveillance data, 2013-2016. Clinical Infectious Diseases. 2020;70(7):1478-81.

46. Mearkle R, Saavedra-Campos M, Lamagni T, Usdin M, Coelho J, Chalker V, et al. Household transmission of invasive group A Streptococcus infections in England: A population-based study, 2009, 2011 to 2013. Eurosurveillance. 2017;22(19).

47. Mohamed-Ahmed O, Nair M, Acosta C, Kurinczuk JJ, Knight M. Progression from severe sepsis in pregnancy to death: a UK population-based case-control analysis. BJOG: An International Journal of Obstetrics and Gynaecology. 2015;122(11):1506-15.

48. Acosta CD, Kurinczuk JJ, Lucas DN, Tuffnell DJ, Sellers S, Knight M. Severe maternal sepsis in the UK, 2011-2012: a national case-control study. PLoS Medicine. 2014;11(7):e1001672.

49. Sherwood E, Vergnano S, Kakuchi I, Bruce MG, Chaurasia S, David S, et al. Invasive group A streptococcal disease in pregnant women and young children: a systematic review and meta-analysis. The Lancet Infectious Diseases. 2022;22(7):1076-88.

50. Colebrook L. Prevention of Puerperal Sepsis: A Call to Action. British Medical Journal. 1936;1(3937):1257-8.

51. Hamilton SM, Stevens DL, Bryant AE. Pregnancy-related group a streptococcal infections: temporal relationships between bacterial acquisition, infection onset, clinical findings, and outcome. Clinical Infectious Diseases : an official publication of the Infectious Diseases Society of America. 2013;57(6):870-6.

52. Deutscher M, Lewis M, Zell ER, Taylor THJ, Van Beneden C, Schrag S. Incidence and severity of invasive Streptococcus pneumoniae, group A Streptococcus, and group B Streptococcus infections among pregnant and postpartum women. Clinical Infectious Diseases : an official publication of the Infectious Diseases Society of America. 2011;53(2):114-23.

53. Leonard A, Wright A, Saavedra-Campos M, Lamagni T, Cordery R, Nicholls M, et al. Severe group A streptococcal infections in mothers and their newborns in London and the South East, 2010-2016: assessment of risk and audit of public health management. BJOG: An International Journal of Obstetrics and Gynaecology. 2019;126(1):44-53.

54. Steer JA, Lamagni T, Healy B, Morgan M, Dryden M, Rao B, et al. Guidelines for prevention and control of group A streptococcal infection in acute healthcare and maternity settings in the UK. The Journal of infection. 2012;64(1):1-18.

55. Laupland KB, Davies HD, Low DE, Schwartz B, Green K, McGeer A. Invasive group A streptococcal disease in children and association with varicella-zoster virus infection. Ontario Group A Streptococcal Study Group. Pediatrics. 2000;105(5):E60.

56. Aebi C, Ahmed A, Ramilo O. Bacterial complications of primary varicella in children. Clinical Infectious Diseases. 1996;23(4):698-705.

57. Ó Maoldomhnaigh C, Butler K, Gavin P. A Cluster of Paediatric Invasive Group A Streptococcal and Chicken Pox Infections. Irish Medical Journal. 2018;111(3):718.

58. Cassidy A, McBrien J. A Response to: A Cluster of Paediatric Invasive Group A Streptococcal and Chicken Pox Infections. Irish Medical Journal. 2018;111(10):847.

59. Centers for Disease Control and Prevention (CDC). Outbreak of invasive group A Streptococcus associated with varicella in a childcare center -- Boston, Massachusetts, 1997. MMWR Morbidity and Mortality Weekly Report. 1997;46(40):944-8.

60. Zakikhany K, Degail MA, Lamagni T, Waight P, Guy R, Zhao H, et al. Increase in invasive Streptococcus pyogenes and Streptococcus pneumoniae infections in England, December 2010 to January 2011. Eurosurveillance: European communicable disease bulletin. 2011;16(5).

61. Scaber J, Saeed S, Ihekweazu C, Efstratiou A, McCarthy N, O'Moore E. Group A streptococcal infections during the seasonal influenza outbreak 2010/11 in South East England. Eurosurveillance: European communicable disease bulletin. 2011;16(5).

62. Jean C, Louie JK, Glaser CA, Harriman K, Hacker JK, Aranki F, et al. Invasive group A streptococcal infection concurrent with 2009 H1N1 influenza. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2010;50(10):e59-62.

63. Aebi T, Weisser M, Bucher E, Hirsch HH, Marsch S, Siegemund M. Co-infection of Influenza B and Streptococci causing severe pneumonia and septic shock in healthy women. BMC Infectious Diseases. 2010;10(1):308.

64. Robinson KA, Rothrock G, Phan Q, Sayler B, Stefonek K, Van Beneden C, et al. Risk for severe group A streptococcal disease among patients' household contacts. Emerging Infectious Diseases. 2003;9(4):443-7.

65. Factor SH, Levine OS, Schwartz B, Harrison LH, Farley MM, McGeer A, et al. Invasive group A streptococcal disease: risk factors for adults. Emerging Infectious Diseases. 2003;9(8):970-7.

66. Bass JW. Antibiotic management of group A streptococcal pharyngotonsillitis. The Pediatric Infectious Disease Journal. 1991;10(10):S43-9.

67. Breese BB, Disney FA. Penicillin in the Treatment of Streptococcal Infections. New England Journal of Medicine. 1958;259(2):57-62.

68. Denny FW, Wannamaker LW, Brink WR, Rammelkamp CHJ, Custer EA. Prevention of Rheumatic Fever: Treatment of the Preceding Streptococcic Infection. Journal of the American Medical Association. 1950;143(2):151-3.

69. Shulman ST, Gerber MA, Tanz RR, Markowitz M. Streptococcal pharyngitis: the case for penicillin therapy. The Pediatric Infectious Disease Journal. 1994;13(1):1-7.

70. Wannamaker LW, Rammelkamp CH, Denny FW, Brink WR, Houser HB, Hahn EO, et al. Prophylaxis of acute rheumatic fever: By treatment of the preceding streptococcal infection with various amounts of depot penicillin. The American Journal of Medicine. 1951;10(6):673-95.

71. Kaplan EL, Gooch IW, Notario GF, Craft JC. Macrolide therapy of group A streptococcal pharyngitis: 10 days of macrolide therapy (clarithromycin) is more effective in streptococcal eradication than 5 days (azithromycin). Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2001;32(12):1798-802.

72. Malhotra-Kumar S, Lammens C, Coenen S, Van Herck K, Goossens H. Effect of azithromycin and clarithromycin therapy on pharyngeal carriage of macrolide-resistant streptococci in healthy volunteers: a randomised, double-blind, placebo-controlled study. Lancet. 2007;369(9560):482-90.

73. Medicines & Healthcare products Regulatory Agency. Research and analysis Safety of macrolide antibiotics in pregnancy: a review of the epidemiological evidence: UK GOV; 2021. Available from: https://www.gov.uk/government/publications/public-assessment-report-safety-of-macrolide-antibiotics-in-pregnancy-a-review-of-the-epidemiological-evidence/safety-of-macrolide-antibiotics-in-pregnancy-a-review-of-the-epidemiological-evidence.

74. National Health Service (NHS) UK. Antibiotics. 2022. Accessed on: 25 January 2024. Available from: <u>https://www.nhs.uk/conditions/antibiotics/</u>.

75. McGuire E, Li A, Collin SM, Decraene V, Cook M, Padfield S, et al. Time to negative throat culture following initiation of antibiotics for pharyngeal group A Streptococcus: a systematic review and meta-analysis up to October 2021 to inform public health control measures. Eurosurveillance: European communicable disease bulletin. 2023;28(15).

76. Carapetis JR, Jacoby P, Carville K, Ang SJ, Curtis N, Andrews R. Effectiveness of clindamycin and intravenous immunoglobulin, and risk of disease in contacts, in invasive group a streptococcal infections. Clinical Infectious Diseases. 2014;59(3):358-65.

77. Martinaud C, Doloy A, Graffin B, Gaillard T, Poyet R, Mallet S, et al. A family outbreak due to an emm-type 11 multiresistant strain of Streptococcus pyogenes. Clinical Microbiology and Infection. 2010;16(3):292-5.

78. Schwartz B, Elliott JA, Butler JC, Simon PA, Jameson BL, Welch GE, et al. Clusters of invasive group A streptococcal infections in family, hospital, and nursing home settings. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 1992;15(2):277-84.

79. Oliver I. Follow-up study of clusters identified from Strep-EURO data in England, Wales and Northern Ireland during 2003 (unpublished data).

80. Public Health England (PHE). Group A streptococcal infections: third report on seasonal activity in summary. 2019. Available from: <u>https://www.gov.uk/government/publications/health-protection-report-volume-13-2019/hpr-volume-13-issue-16-news-10-and-13-may</u>.

81. Wagenvoort JH, Penders RJ, Davies BI, Lütticken R. Similar environmental survival patterns of Streptococcus pyogenes strains of different epidemiologic backgrounds and

clinical severity. European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology. 2005;24(1):65-7.

82. Stalker WS, Whatley E, Wright J. Cross-Infection in Scarlet-Fever Bed Isolation Wards. The Journal of Hygiene. 1942;42(3):231-7.

83. Sarangi J, Rowsell R. A nursing home outbreak of group A streptococcal infection: case control study of environmental contamination. The Journal of Hospital Infection. 1995;30(2):162-4.

84. Kramer A, Schwebke I, Kampf G. How long do nosocomial pathogens persist on inanimate surfaces? A systematic review. BMC Infectious Diseases. 2006;6(1):130.

85. Falck G, Kjellander J. Outbreak of group A streptococcal infection in a day-care center. The Pediatric Infectious Disease Journal. 1992;11(11):914-9.

86. Backhouse CI, Cartwright RY. An outbreak of streptococcal skin sepsis in a closed community. British Medical Journal. 1974;3(5929):497-9.

87. Department of Health (UK). Health Technical Memorandum 01-04: Decontamination of linen for health and social care 2016. Available from: <u>https://www.england.nhs.uk/wp-content/uploads/2021/05/Mgmt_and_provision.pdf</u>.

88. Department of Health, Ireland. Infection Prevention and Control (IPC): National Clinical Guideline No. 30. 2023. Available from: https://www.gov.ie/pdf/?file=https://assets.gov.ie/266134/58042bc4-45b9-45c9-aa7f-

<u>3eca01e5bf17.pdf#page=null</u>.

89. Cordery R, Purba AK, Begum L, Mills E, Mosavie M, Vieira A, et al. Frequency of transmission, asymptomatic shedding, and airborne spread of Streptococcus pyogenes among schoolchildren exposed to scarlet fever: a longitudinal multi-cohort molecular epidemiology contact tracing study. MedRxiv. 2021.

90. Tapiainen T, Launonen S, Renko M, Saxen H, Salo E, Korppi M, et al. Invasive Group A Streptococcal Infections in Children: A Nationwide Survey in Finland. The Pediatric Infectious Disease Journal. 2016;35(2):123-8.

91. Zachariadou L, Stathi A, Tassios PT, Pangalis A, Legakis NJ, Papaparaskevas J. Differences in the epidemiology between paediatric and adult invasive Streptococcus pyogenes infections. Epidemiology and Infection. 2014;142(3):512-9.

92. Tyrrell GJ, Lovgren M, Kress B, Grimsrud K. Varicella-Associated Invasive Group A Streptococcal Disease in Alberta, Canada—2000–2002. Clinical Infectious Diseases. 2005;40(7):1055-7.

93. Centers for Disease Conrol and Prevention (CDC). Post-exposure Varicella Vaccination. 2021. Accessed on: 25 January 2024. Available from: https://www.cdc.gov/vaccines/vpd/varicella/hcp/recommendations.html#post-exp. 94. Nyman AG, Wolfenden H, Roy P, Morris J. First reported cluster of overwhelming group A streptococcal septicaemia and associated chickenpox infection in the UK. BMJ case reports. 2009;2009.

95. GlaxoSmithKline UK. Varilrix. 2021. Accessed on: 25 January 2024. Available from: <u>https://www.medicines.org.uk/emc/product/1676/smpc#gref</u>.

96. Merck Sharp & Dohme (UK) Limited. VARIVAX. 2024. Accessed on: 25 January 2024. Available from: <u>https://www.medicines.org.uk/emc/product/5582/smpc</u>.

97. Thigpen MC, Richards CLJ, Lynfield R, Barrett NL, Harrison LH, Arnold KE, et al. Invasive group A streptococcal infection in older adults in long-term care facilities and the community, United States, 1998-2003. Emerging Infectious Diseases. 2007;13(12):1852-9.

98. National Institute for Health and Care Excellence (NICE). Amantadine, oseltamivir and zanamivir for the treatment of influenza 2009. Available from: <u>https://www.nice.org.uk/Guidance/TA168</u>.

99. Health Service Executive (HSE). Antibiotic Prescribing. 2023. Accessed on: 25 January 2024. Available from: <u>https://www.hse.ie/eng/services/list/2/gp/antibiotic-prescribing/conditions-and-treatments/influenza/</u>.

100. Ruben FL, Norden CW, Heisler B, Korica Y. An outbreak of Streptococcus pyogenes infections in a nursing home. Annals of Internal Medicine. 1984;101(4):494-6.

101. Greene CM, Van Beneden CA, Javadi M, Skoff TH, Beall B, Facklam R, et al. Cluster of deaths from group A streptococcus in a long-term care facility—Georgia, 2001. American Journal of Infection Control. 2005;33(2):108-13.

102. Health Do. Clean Safe Care. High impact intervention number 8: Care bundle to improve the cleaning and decontamination of clinical equipment. 2011.

103. Hoffman P, Ayliffe G, Bradley T. Disinfection in healthcare: John Wiley & Sons; 2008.

104. Health Protection Scotland. Safe management of linen: standard infection prevention and control and transmission based infection control precautions. 2020. Available from: <u>https://www.nipcm.hps.scot.nhs.uk/media/1671/2020-09-11-sicp-Ir-linen-v3.pdf</u>.

105. Jordan HT, Richards CLJ, Burton DC, Thigpen MC, Van Beneden CA. Group a streptococcal disease in long-term care facilities: descriptive epidemiology and potential control measures. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2007;45(6):742-52.

106. Smith A, Li A, Tolomeo O, Tyrrell GJ, Jamieson F, Fisman D. Mass antibiotic treatment for group A streptococcus outbreaks in two long-term care facilities. Emerging Infectious Diseases. 2003;9(10):1260-5.

107. Inkster T, Wright P, Kane H, Paterson E, Dodd S, Slorach J. Successive outbreaks of Group A streptococcus (GAS) in care of the elderly settings; lessons learned. Journal of Infection Prevention. 2012;13(2):38-43.

108. Blagden S, Watts V, Verlander NQ, Pegorie M. Invasive group A streptococcal infections in North West England: epidemiology, risk factors and fatal infection. Public Health. 2020;186:63-70.

109. Mosites E, Zulz T, Bruden D, Nolen L, Frick A, Castrodale L, et al. Risk for Invasive Streptococcal Infections among Adults Experiencing Homelessness, Anchorage, Alaska, USA, 2002-2015. Emerging Infectious Diseases. 2019;25(10):1911-8.

110. Valenciano SJ, McMullen C, Torres S, Smelser C, Matanock A, Van Beneden C. Notes from the Field: Identifying Risk Behaviors for Invasive Group A Streptococcus Infections Among Persons Who Inject Drugs and Persons Experiencing Homelessness - New Mexico, May 2018. MMWR Morbidity and Mortality Weekly Report. 2019;68(8):205-6.

111. Valenciano SJ, Onukwube J, Spiller MW, Thomas A, Como-Sabetti K, Schaffner W, et al. Invasive Group A Streptococcal Infections Among People Who Inject Drugs and People Experiencing Homelessness in the United States, 2010-2017. Clinical Infectious Diseases : an official publication of the Infectious Diseases Society of America. 2021;73(11):e3718-e26.

112. Phillips KT, Stein MD. Risk practices associated with bacterial infections among injection drug users in Denver, Colorado. The American Journal of Drug and Alcohol Abuse. 2010;36(2):92-7.

113. Friedman H, Newton C, Klein TW. Microbial infections, immunomodulation, and drugs of abuse. Clinical Microbiology Reviews. 2003;16(2):209-19.

114. Degenhardt L, Peacock A, Colledge S, Leung J, Grebely J, Vickerman P, et al. Global prevalence of injecting drug use and sociodemographic characteristics and prevalence of HIV, HBV, and HCV in people who inject drugs: a multistage systematic review. The Lancet Global Health. 2017;5(12):e1192-e207.

115. HM Inspectorate of Prisons for England and Wales. Changing patterns of substance misuse in adult prisons and service responses. A thematic review. London, UK: HM Inspectorate of Prisons. 2015. Available from:

https://www.justiceinspectorates.gov.uk/hmiprisons/wpcontent/uploads/sites/4/2015/12/Substance-misuse-web-2015.pdf.

116. Turner S. Numerous outbreaks amongst homeless and injection drug using populations raise concerns of an evolving syndemic in London, Canada. Epidemiology and infection. 2020.

117. Pilon PA, Savard N, Aho J, Caron J, Urbanek A, Paré R, et al. Invasive group A streptococcal infection outbreaks of typeemm118 in a long-term care facility, and of type *emm*74 in the homeless population, Montréal, Quebec. Canada Communicable Disease Report. 2019;45(1):26-31.

118. Dickson C, Pham MT, Nguyen V, Brubacher C, Silverman MS, Khaled K, et al. Community outbreak of invasive group A streptococcus infection in Ontario, Canada. Canada Communicable Disease Report. 2018;44(7-8):182-8.

119. Dohoo C, Stuart R, Finkelstein M, Bradley K, Gournis E. Risk factors associated with group A Streptococcus acquisition in a large, urban homeless shelter outbreak. Canadian Journal of Public Health. 2020;111(1):117-24.

120. Adebanjo T, Mosites E, Van Beneden CA, Onukwube J, Blum M, Harper M, et al. Risk Factors for Group A Streptococcus Colonization During an Outbreak Among People Experiencing Homelessness in Anchorage, Alaska, 2017. Clinical Infectious Diseases : an official publication of the Infectious Diseases Society of America. 2018;67(11):1784-7.

121. Cornick JE, Kiran AM, Vivancos R, Van Aartsen J, Clarke J, Bevan E, et al. Epidemiological and Molecular Characterization of an Invasive Group A Streptococcus emm32.2 Outbreak. Journal of Clinical Micrbiology. 2017;55(6):1837-46.

122. UK Health Security Agency (UKHSA), Public Health Wales, Public Health Scotland (PHS), Public Health Agency Northern Ireland. Accompanying data tables for shooting up: infections and other injecting-related harm among people who inject drugs in the UK. 2020. Available from: <u>https://www.gov.uk/government/publications/shooting-up-infections-among-people-who-inject-drugs-in-the-uk</u>.

123. Hammond-Collins K, Strauss B, Barnes K, Demczuk W, Domingo MC, Lamontagne MC, et al. Group A Streptococcus Outbreak in a Canadian Armed Forces Training Facility. Military Medicine. 2019;184(3-4):e197-e204.

124. Lu D, Strauss B, Simkus K, Tepper M, Gagnon F, Johnson N, et al. Adverse events following mass antibiotic prophylaxis during a Group A Streptococcus outbreak in the Canadian Forces Leadership and Recruit School. Canada Communicable Disease Report. 2020;46(9):264-71.

125. Strauss B, Tepper M, Lu D, Gagnon F, Girard E, Demczuk W, et al. Three sequential outbreaks of Group A Streptococcus over a two-year period at the Canadian Forces Leadership and Recruit School, St. Jean Garrison, Québec. Canada Communicable Disease Report. 2020;46(9):256-63.

126. Webber BJ, Kieffer JW, White BK, Hawksworth AW, Graf PCF, Yun HC. Chemoprophylaxis against group A streptococcus during military training. Preventive Medicine. 2019;118:142-9.

127. Mosites E, Frick A, Gounder P, Castrodale L, Rudolph K, Hurlburt D, et al. Use of single-dose azithromycin to control a community outbreak of EMM26.3 group a streptococcus invasive disease-Alaska, 2017. Open Forum Infectious Diseases. 2017;4(Supplement 1):S240.

128. Public Health England (PHE). Infection control in prisons and places of detention: manual for healthcare workers and other staff. 2011. Available from: <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment</u> data/file/329792/Prevention of infection communicable disease control in prisons and _places of detention.pdf.

129. UK Health Security Agency (UKHSA). Wound aware: a resource for commissioners and providers of drug services. 2021. Available from: <u>https://www.gov.uk/government/publications/wound-aware-a-resource-for-drug-services/wound-aware-a-resource-for-commissioners-and-providers-of-drug-services</u>.

130. Olufon O, Iyanger N, Cleary V, Lamagni T. An outbreak of invasive group A streptococcal infection among elderly patients receiving care from a district nursing team, October 2013 - May 2014. Journal of Infection Prevention. 2015;16(4):174-7.

131. Nabarro LE, Brown CS, Balasegaram S, Decraene V, Elston J, Kapadia S, et al. Invasive Group A Streptococcus Outbreaks Associated with Home Healthcare, England, 2018-2019. Emerging Infectious Diseases. 2022;28(5):915-23.

132. Wißmann JE, Kirchhoff L, Brüggemann Y, Todt D, Steinmann J, Steinmann E. Persistence of Pathogens on Inanimate Surfaces: A Narrative Review. Microorganisms. 2021;9(2).