



## Infections & Older Adults

Last reviewed December 2019

### Infections in the Elderly

<https://escholarship.org/uc/item/9x6912pv>

The author explains some of the factors which make older people more susceptible to skin infections. A variety of infections are explored including bacterial infections, cellulitis and erysipelas, necrotizing fasciitis, impetigo, folliculitis, furunculosis, rashes of the intertriginous areas, herpes zoster/shingles and onychomycosis. (OPEN ACCESS)

### Infections in the Elderly Critically-Ill Patients

<https://www.frontiersin.org/articles/10.3389/fmed.2019.00118/full>

This review article discusses the importance of organized team management when treating critically ill elderly patients in the ICU. (OPEN ACCESS)

### Urinary Tract Infection in Older Adults <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3878051/>

This article reviews the prevalence, diagnosis and diagnostic challenges, management, and prevention of urinary tract infection (UTI) and asymptomatic bacteriuria (ASB) in older adults. (OPEN ACCESS)

### Urinary Tract Infection in Older Women <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4194886/>

The objective of this paper was to review prevention of recurrent UTI and the management of asymptomatic bacteriuria and symptomatic UTI. (OPEN ACCESS)

### ABCs for Diagnosing Urinary Tract Infection in Long Term Care

[http://www.macoalition.org/Initiatives/infections/uti\\_2013/tools/UTI%20Protocol\\_final.pdf](http://www.macoalition.org/Initiatives/infections/uti_2013/tools/UTI%20Protocol_final.pdf)

This assessment tool is one of a number of practice supports and educational tools related to the evaluation and treatment of UTI the elderly for clinicians in LTC available from the Massachusetts Coalition for the Prevention of Medical Errors. See more at <http://www.macoalition.org/evaluation-and-treatment-uti-in-elderly.shtml> (OPEN ACCESS)

### Optimal Management of Urinary Tract Infections in Older People

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131987/>

This article provides an overview of issues related to UTI in the older population along with epidemiology, diagnosis, management and prevention. (OPEN ACCESS)

### Duration of Antibiotic Treatment for Uncomplicated Urinary Tract Infection in Long-Term Care Residents

<https://www.publichealthontario.ca/-/media/documents/eb-duration-antibiotics-ltc-uti.pdf?la=en>

This evidence brief outlines recommendations for short course antibiotic use. (OPEN ACCESS)

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### Community-Acquired Pneumonia in Elderly Patients

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2917114/>

This article reviews the epidemiology, assessment, microbiology, therapeutic strategies and prevention of community-acquired pneumonia in elderly patients. (OPEN ACCESS)

### Community-Acquired Pneumonia in the Elderly

<https://www.sciencedirect.com/science/article/abs/pii/S1543594610000048?via%3Dihub>

This article describes the prevalence and risk factors of community acquired pneumonia (CAP) in the elderly. Management strategies are explored as well as recommendations for prevention. (OPEN ACCESS)

### Pneumonia in the Very Old [https://www.pneumonologia.gr/articlefiles/Pneumonia\\_in\\_the\\_elderly.pdf](https://www.pneumonologia.gr/articlefiles/Pneumonia_in_the_elderly.pdf)

The authors provide a comprehensive overview of community-acquired pneumonia (CAP) and nursing-home acquired pneumonia (NHAP). (OPEN ACCESS)

### Etiology of Severe Pneumonia in the Very Elderly

<https://www.atsjournals.org/doi/full/10.1164/ajrccm.163.3.2005075#.V2QTPCFVhBc>

This article examines the possible causes of severe pneumonia in a prospective cohort study of 104 patients 75 years or older carried out over 2 years at two university affiliated hospitals. The authors illustrate the utility and safety of diagnostic bronchial sampling in elderly patients with suspected bacterial pneumonia. (OPEN ACCESS)

### Severity Assessment of Lower Respiratory Tract Infection in Elderly Patients in Primary Care <https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/752309>

The authors attempted to find markers for the assessment of severity of lower respiratory tract infections among elderly patients in primary care. The association between different baseline variable and outcomes were investigated. (OPEN ACCESS)

### Best Practices for Prevention, Surveillance and Infection Control Management of Novel Respiratory Infections in All Health Care Settings

<https://www.publichealthontario.ca/-/media/documents/bp-novel-respiratory-infections.pdf?la=en>

This publication covers best practices for surveillance and infection control management of novel respiratory infections as well as prevention and control resources and screening algorithms. (OPEN ACCESS)

### Antimicrobial Stewardship Essentials in Long-Term Care

<https://www.publichealthontario.ca/-/media/documents/primer-antimicrobial-stewardship-ltc.pdf?la=en>

This primer is intended to guide directors of care, medical directors, prescribers, quality improvement specialists and antimicrobial stewardship champions in planning or expanding an ASP in LTC. (OPEN ACCESS)

### Best Practices for Infection Prevention and Control Programs in Ontario

<https://www.publichealthontario.ca/-/media/documents/bp-ipac-hc-settings.pdf?la=en>

The purpose of this document is to outline the structure and elements of an infection, prevention, and control (IPAC) program in the health care setting. (OPEN ACCESS)

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### Management Strategies for Herpes Zoster and Postherpetic Neuralgia

<https://jaoa.org/article.aspx?articleid=2093446>

This paper provides evidence based strategies to manage herpes zoster and post herpetic neuralgia(PHN) are explored. (OPEN ACCESS)

### Nutritional Strategies to Boost Immunity and Prevent Infection in Elderly Individuals

<https://academic.oup.com/cid/article/33/11/1892/446157>

Older adults are at risk for malnutrition, which may increase their risk for infection. The author proposes nutritional supplementation strategies to reduce the risk and reduce immune dysfunction attributed to advanced age. Considerations related to drug-nutrient interactions should be explored. (OPEN ACCESS)

### Osteomyelitis in Elderly Patients

<https://academic.oup.com/cid/article/35/3/287/409096>

This article points out that some elderly persons develop osteomyelitis following total hip or knee replacements. Those with rheumatoid arthritis are more susceptible to prosthetic joint related infections. The author provides a number of considerations in regards to the treatment of acute and chronic osteomyelitis in the elderly. (OPEN ACCESS)

### Prosthetic Joint Infection [https://www.medscape.com/viewarticle/750496\\_7](https://www.medscape.com/viewarticle/750496_7)

The authors explore the complexity and need for multi-disciplinary approach to the management of a prosthetic joint infection. Therapeutic options are reviewed. (OPEN ACCESS)

### Rapid and Aggressive Treatment the Key to Successful Management of Bone and Joint Infections in the Elderly

<https://www.medscape.com/viewarticle/406467>

The complexities of managing osteomyelitis and septic arthritis in the elderly patient are examined in this online publication. (OPEN ACCESS)

### Nuances of Diabetic Foot Osteomyelitis in Older Adults

<https://www.uspharmacist.com/article/nuances-of-diabetic-foot-osteomyelitis--in-older-adults>

The author discusses the prevalence of diabetes mellitus and the increased risk of osteomyelitis. Presentation, diagnosis and treatment are included. (OPEN ACCESS)

### Antimicrobials at the End of Life

<https://jamanetwork.com/journals/jama/fullarticle/2451305>

Infections and febrile episodes are common acute complications for terminally ill patients. This article examines the risks and benefits of the use of antimicrobial treatment for infection management. (OPEN ACCESS)

### Ethical and Clinical Considerations in Treating Infections at the End of Life

<https://nursing.ceconnection.com/ovidfiles/00129191-201904000-00003.pdf>

The authors use a case presentation to guide a discussion on the choice to treat infection with antibiotics, ethical considerations, goals of care, prognostication, educational tools and nursing impact. (OPEN ACCESS)