

# American Thoracic Society Documents

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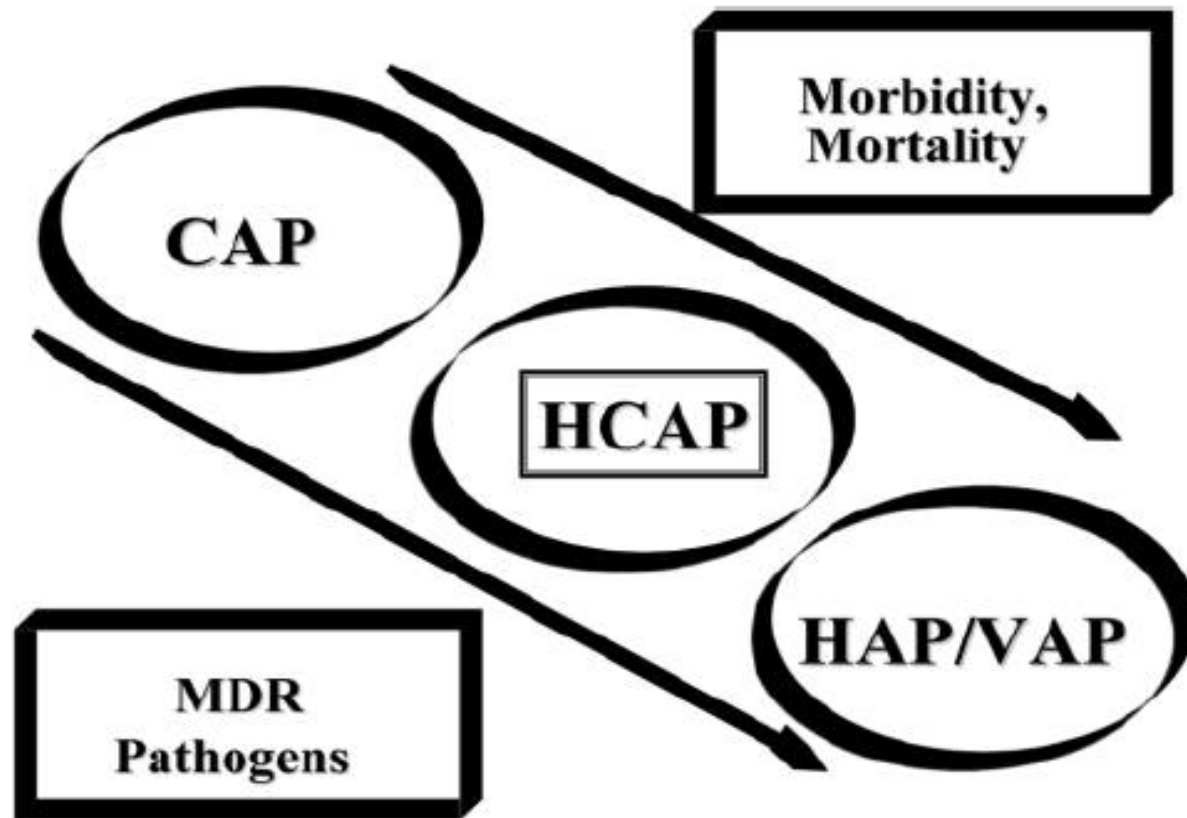
## **Guidelines for the Management of Adults with Hospital-acquired, Ventilator-associated, and Healthcare-associated Pneumonia**

THIS OFFICIAL STATEMENT OF THE AMERICAN THORACIC SOCIETY AND THE INFECTIOUS DISEASES SOCIETY OF AMERICA WAS APPROVED BY THE ATS BOARD OF DIRECTORS, DECEMBER 2004 AND THE IDSA GUIDELINE COMMITTEE, OCTOBER 2004

### TABLE 2. RISK FACTORS FOR MULTIDRUG-RESISTANT PATHOGENS CAUSING HOSPITAL-ACQUIRED PNEUMONIA, HEALTHCARE-ASSOCIATED PNEUMONIA, AND VENTILATOR-ASSOCIATED PNEUMONIA

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- Antimicrobial therapy in preceding 90 d
  - Current hospitalization of 5 d or more
  - High frequency of antibiotic resistance in the community or in the specific hospital unit
  - Presence of risk factors for HCAP:
    - Hospitalization for 2 d or more in the preceding 90 d
    - Residence in a nursing home or extended care facility
    - Home infusion therapy (including antibiotics)
    - Chronic dialysis within 30 d
    - Home wound care
    - Family member with multidrug-resistant pathogen
  - Immunosuppressive disease and/or therapy
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# Infection Control in Long-Term Care Facilities

**Table 1.** Frequency of infections reported from long-term care facilities.

Infection	Prevalence, %	Incidence/1000 patient-days
All infections	1.6–32.7	2.7–9.5
Respiratory	0.3–3.7	0.46–4.4
Urinary	0.6–21.8	0.1–2.4
Skin/soft tissue	1.0–8.8	0.9–2.1
Gastrointestinal	—	0.04–0.9

## Prevalence of nursing home-associated infections (NHAIs) in the Department of Veterans affairs nursing home care units

NHAIs	Percent of all NHAIs	Point prevalence (%)
Symptomatic UTI	28.3	1.58
Asymptomatic bacteriuria	12.3	0.69
Pneumonia	9.4	0.52
Skin infections	9.2	0.51
Gastroenteritis	7.0	0.39
Soft tissue infections	5.8	0.32
Osteomyelitis	4.7	0.26

**Table IV** Total numbers and incidence densities of healthcare-associated infections during the one-year surveillance period (December 1998-November 1999) in a German nursing home

Infection	Number of infections (%)	Rate per 1000 resident-days
Respiratory tract infection	75 (36.1)	2.16 <sup>a</sup>
Upper	31 (14.9)	0.89
Common cold syndromes	29 (13.9)	0.83
Influenza-like illness <sup>b</sup>	2 (1.0)	0.06
Lower	44 (21.2)	1.26
Lower respiratory tract infection <sup>c</sup> (bronchitis, tracheobronchitis)	37 (17.8)	1.06
Pneumonia <sup>d</sup>	7 (3.4)	0.20
Gastroenteritis	43 (20.7)	1.24
Skin and soft tissue infection	42 (20.2)	1.21
Infected decubital ulcer	10 (4.8)	0.29
Dermatomycosis	25 (12.0)	0.72
Wound infection	7 (3.4)	0.20
Urinary tract infection	35 (16.8)	1.01
Eye, ear, nose and mouth infection	13 (6.3)	0.37
Conjunctivitis	10 (4.8)	0.29
Thrush	3 (1.4)	0.09
Total	208 (100.0)	5.98