Significant Cost And Risk Of Respiratory Care

Ventilated patients are more susceptible to infection and increased stays

MECHANICALLY VENTILATED PATIENTS

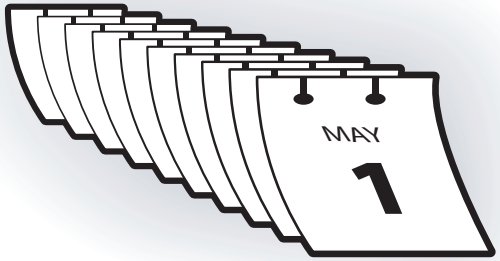
PATIENTS WITH VAP

Up to 1 in 3 ventilated patients aquire VAP[1]

EXTENDED HOSPITAL STAY

EXTENDED HOSPITAL STAY

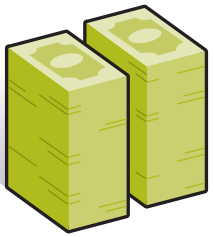
4 DAYS[2]



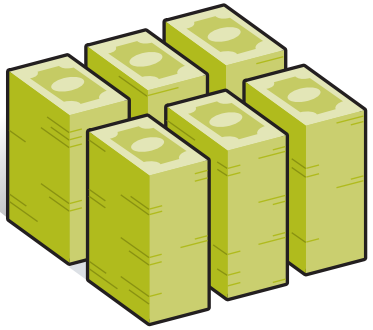
8-10 DAYS[3]

INCREMENTAL COST

CUMMULATIVE COST



$18,000[4]



$40,000-60,000[5]

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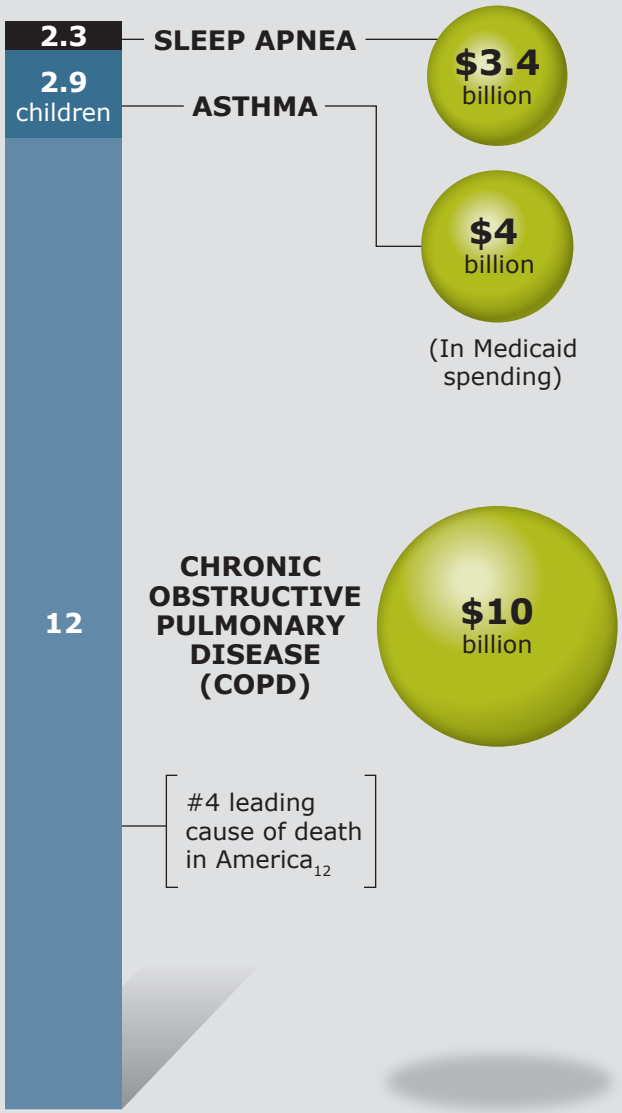
Ventilated patients often have an undiagnosed respiratory condition

CHRONIC RESPIRATORY DISEASE
Undiagnosed Americans

CASES
in millions[6,7,8]

ADDED COSTS
per year to treat undiagnosed patients[9,10,11]



References

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[4]Dasta JF, McLaughlin TP, Mody SH, Piech CT. Daily cost of an intensive care unit day: the contribution of mechanical ventilation.

[5]Crit Care Med, June 2005, 33(6):1266-71.

[6]CDC. Guidelines for Preventing Healthcare–Associated Pneumonia, 2003. Recommendations of the CDC and the Healthcare Infection Control Practices Advisory Committee. MMWR 2004; 53 (No. RR–3).

[7]2-4% of adults over 50 with sleep apnea1(Strollo PJ Jr, Rogers RM. Obstructive sleep apnea. N Engl J Med 1996;334:99-104) 95 million adults over 50 (US Census Bureau, 2009 American Community Surgey S0101), 80% of sleep apnea patients undiagnosed (Young T, Evans L, Finn L, Palta M. Estimation of the clinically diagnosed proportion of sleep apnea syndrome in middle aged men and women. Sleep 1997;9:705-6.)

[8]Young T, Evans L, Finn L, Palta M. Estimation of the clinically diagnosed proportion of sleep apnea syndrome in middle-aged men and women. Sleep. Sep 1997;20(9):705-6.

[9]14.3 % of children grades 3-5 may remain undiagnosed with asthma. Joseph CL, Foxman B, Leickly FE, Peterson E, et al., Prevalence of possible undiagnosed asthma and associated morbidity among urban schoolchildren., J Pediatr. 1996 Nov;129(5):735-42. (20,262,432 children in that age group from US Census Data)

[10]National Institutes of Health, “New Survey Suggests Growing Awareness of COPD, Nation’s Fourth Leading Killer,” November 13, 2008, available

[11]Kapur V, Blough DK, Sandblom RE, et al. (September 1999). "The medical cost of undiagnosed sleep apnea". Sleep 22 (6): 749–55

[12]Agency for Healthcare Research and Quality, AsthmaCareQuality Improvement Resource Guide
http://www.ahrq.gov/qual/asthmacare/asthmod1b.htm