

Preventing 'Failure to Rescue'

■ Definition:

□death from pneumonia, shock or cardiac arrest, upper gastrointestinal bleeding, sepsis, or deep venous thrombosis

Things patients shouldn't really die from unless there is a clear futility decision or advance directive

Background





- 76% of the NHS nursing workforce is qualified
- 24% are Health care assistants (HCAs)
- There are no LPNs

Approx. 70% of the routine vital signs monitoring of patients is carried out by HCAs

Nursing and Midwifery council of the UK - statistical analysis of the register 2004-5

By comparison.....

- ■In the US (data from Needleman 2002)
- 68% of direct nursing care from RN
- 11% from LPNs
- 21% from Nursing aides



Needleman et al 2002 NEJM: 346.1715-1722

Beneficial effect of qualified nursing

Needleman et al 2002

- 799 hospitals in 11 states

 Effect on Medical patients

 A higher proportion and increased absolute number of hours of care/day by registered nurses

shorter length of stay (p=0.01 and p<0.001) lower rates of urinary tract infections (p<0.001) and p=0.003)

Lower rates of upper gastrointestinal bleeding (p=0.03 and p=0.007).

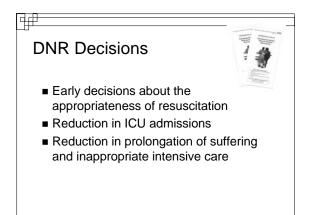
A higher proportion of hours of care by registered nurses

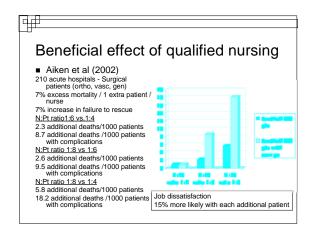
lower rates of pneumonia (p=0.001). lower rates of "failure to rescue," (p=0.05)

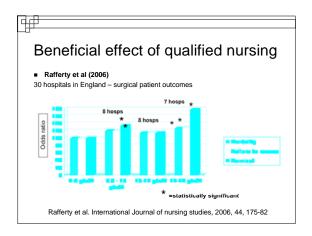
- Less effect on Surgical patients
 A higher proportion of care provided by registered nurses
 □ lower rates of urinary tract infections (P=0.04),
 A greater number of hours of care per day by registered nurses
 □ lower rates of "failure to rescue" (P=0.008),

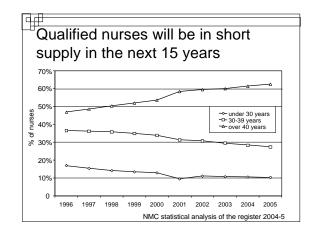
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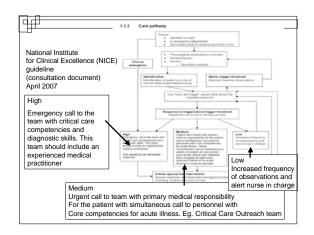


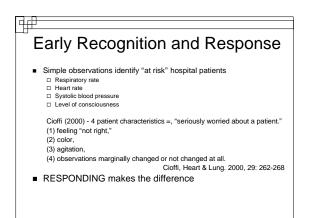


National institute for Clinical excellence guidelines

Principal recommendation 8

- Staff working with acutely ill patients should have the necessary competencies in monitoring, measurement, interpretation and prompt response to the acutely ill patient, appropriate to the level of care they are providing.
- Education and training should be offered to ensure staff can demonstrate they have these competencies.

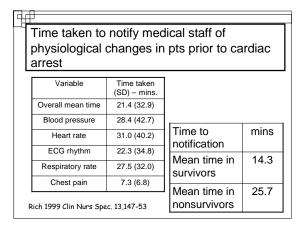


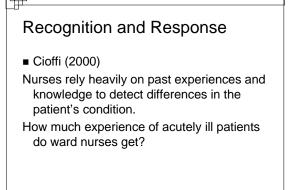


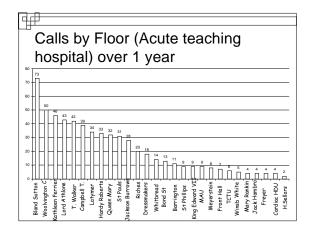


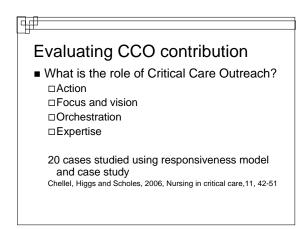
 No sig. diff. for cardiac arrests or mortality at 96h

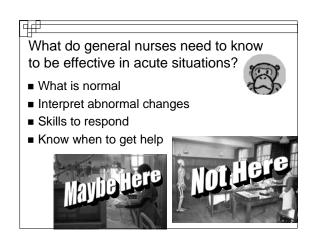
Watkinson et al. Anaesthesia, 2006, 61, pages 1031-1039

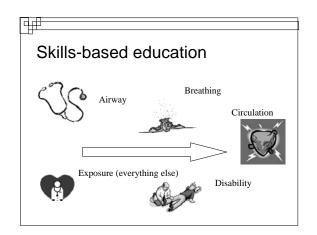


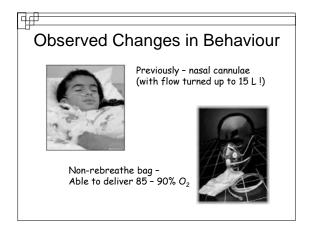


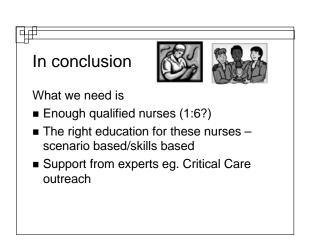












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