

Performance of automated versus nurse-measured respiratory rate measurements in hospitalized malnourished children

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Abstract

In resource limited settings accurate respiratory rate (RR) measurement directly informs medical decision-making for children with respiratory problems.¹ Counting RR remains a challenge: it may not be done ² or gives rise to highly disparate values despite the use of RR counters.³ Technological solutions may permit more children to have assessments and may alter clinical decisions. A hand-held pulse oximeter with integrated RR measurement (Rad-G, Masimo, Irvine California) in 97 children reported good agreement between measurements of the device and pediatricians.