

ANSWERS TO ESTIMATES QUESTIONS ON NOTICE

HEALTH AND AGEING PORTFOLIO

Budget Estimates 2011-12, 30 May 2011

Question: E11-362

OUTCOME 12: Health Workforce Capacity

Topic: HEALTH WORKFORCE AUSTRALIA

Hansard Page: CA 119

Senator Fierravanti-Wells asked:

Could you point me to the research undertaken [context – cost effectiveness of simulated learning experiences]

Answer:

There has been a range of research undertaken relating to simulation although the capacity to generalise these findings has been limited given small sample sizes. The following six articles broadly describe examples of cost savings through the use of simulation education.

1. Carroll, J & Messenger, J 2008, 'Medical Simulation, the new tool for training and skill assessment', *Perspectives in Biology and Medicine*, volume 51, number 147–60, The Johns Hopkins University Press
2. Dong, Y, Suri, H, Cook, D, Kashani, K, Mullon, J, Enders, F, Rubin, O, Ziv, A & Dunn, W 2010, 'Simulation-Based Objective Assessment Discerns Clinical Proficiency in Central Line Placement : A Construct Validation' *Chest*;137;1050-1056
3. Draycott, T, Sibanda, T, Owen, L, Akande, V, Winter, C, Reading, S & Whitelaw, A 2006 'Does training in obstetric emergencies improve neonatal outcome?' *BJOG*; 113:177–182.
4. Education Management Solutions, white paper – Leading-edge virtual hospital, reduces costs, attracts, retrains, and retains competent clinicians, 2010
5. Weinstock, P, Kappus, L, Garden, A & Burns, P 2009, 'Simulation at the point of care: Reduced-cost, in situ training via a mobile cart', *Pediatric Critical Care Medicine*, Vol. 10, No. 2
6. Ziv, A, Erez, D, Munz, Y, Vardi, A, Barsuk, D, Levine, I, Benita, S, Rubin, O, & Berkenstadt, H 2006, 'The Israel Center for Medical Simulation: A Paradigm for Cultural Change in Medical Education,' *Academic Medicine*; Vol. 81, No. 12