APNA abstract

Title: caring@home: carers can manage subcutaneous medicines when supported professionally

Introduction: Most Australians say they want to die at home, though less than 14% achieve that outcome. This represents a service gap that GPs and nurses are optimally positioned to fill. However, it is difficult for palliative care patients to be cared for at home without the support, also, of at least one carer, such as a family member. Community healthcare providers and carers can work together so that palliative patients can remain in their preferred place of care.

Palliative patients are inherently unstable, their symptoms can rapidly escalate at any time and, if not optimally treated, can necessitate transfer to inpatient settings. Carers often express a lack of confidence when called upon to assume responsibility for symptom management, particularly when it involves the preparation and administration of subcutaneous injections. Despite this, they remain motivated to help as they believe their ability to provide injections adds value to patient care.

This presentation has two parts. Firstly, it presents a randomised controlled trial (RCT) examining the issue of trained carers’ confidence with subcutaneous medication preparation and administration. Secondly, it presents the caring@home package – a suite of resources, developed with funding from the Australian Government Department of Health, available across the country for community service providers, healthcare professionals and carers to support carers to manage breakthrough symptoms safely using subcutaneous medicines.

Methods: The RCT was designed to explore possible differences in trained carers’ confidence in administering subcutaneous injections. Carers were allocated to one of three groups:

i Carer prepared, labelled and stored daily breakthrough medications for subsequent injection

ii Registered nurse prepared and labelled daily breakthrough medications for carers to store for subsequent injection

iii Clinical trial pharmacist prepared and labelled daily breakthrough medications for carers to store for subsequent injection.

Ninety-three carers, from 24 community services, completed the study. Community nurses used a consistent education package to train carers.

Results: Primary outcome of interest was carer confidence with injection administration; analysis of variance revealed no significant differences between the three intervention arms, means ranged from 5.9 to 6.1 out of 7; F(2,90) = 0.50, p = 0.61. Comparison of confidence after carer preparation versus other (nurse or pharmacist) was not statistically significant (t = 0.7, df = 90, p = 0.49). Averaged over intervention arms, confidence levels increase significantly with injecting experience, from 5.3 to 6.1, F(1,75) = 47.6, p < 0.001. Results show that trained carers can confidently administer subcutaneous injections regardless of whether a carer, nurse or pharmacist prepares the injections.

Implications: These findings indicate that with appropriate training, using high quality resources, carers can be integrated into the palliative care community team to confidently
manage subcutaneous medicines for palliative patients. This has important implications for GPs and nurses managing palliative patients at home. This finding is being applied in the National Palliative Care Project caring@home.


