

Supplementary Material 9. Intervention categories and their components across studies included in Review 3

Review #3 Study Author- Date	Intervention components												Total	
	Institutional level support	Therapeutic support to carers	Information/education for families	Inclusive approach to family carers	Activities for Plwd	Staff training/education	Cementing new knowledge and practice through feedback on wards	Existing special knowledge utilised	Documentation for staff to improve individualised care	Approach adopted to guide caring for Plwd	Specialist capacity added	Non-specialist capacity added		Changes to ward environment
<i>Improving staff information, knowledge and skills (n=12)</i>														
Sub-category: training														
Naughton-2018						✓ dementia communication training; nursing students training & older adult unit placement	✓ follow-up short reflective discussion, feedback, mentors			✓ training based on VERA		✓ students		4
Schindel-2016	✓ departmental managers were invited to participate in sessions during which an overview of the GPA program was presented, the program's relationship to the organizational vision of care was discussed					✓ Gentle Persuasive Approaches (GPA) educational programme	✓ Staff teaching partners supported imp and sustainability in their practice units		✓ manual provided to all participants	✓ GPA	✓ Certified GPA coaches, Teaching partners			6
Smythe-2014						✓ development & training	✓ each training session followed by working alongside staff member and subsequent feedback and reflection		✓ Manual written to ensure implementation fidelity		✓ Mental health nurse and 2 general nurses			4
Asomaning-2016	✓ After needs assessment, the hospital's Geriatric Steering Committee committed to support innovative initiatives and solutions in improving the care of older patients with behavioural disturbances; and staff's ability and comfort in					✓ development & training				✓ GPA				3

	working these patients and their families							
Galvin-2010			✓ development & training					1
Palmer-2014	✓ hospitals asked to pay a program fee, and a hospital admin. representative was to be present during the program to address institution-specific questions		✓ development & training		✓ Binder with slides and handouts of important info given to participants		✓ Person-Centred Care (PCC), culture change	4
Sampson-2017	✓ hospital medical and nursing directors contacted; orgs identified key staff to deliver dementia training locally		✓ & train-the-trainer program & each hospital developed bespoke package for staff training					2
Surr-2016			✓ & train-the-trainer day with the task to deliver the program to other staff		✓ Peer facilitators tasked with onward delivery of the Foundation level program to other staff		✓ PCC	3
Sub-category: tailored strategies								
Luxford-2015	Local imp team; flexible approach to local nomination of wards within the hospital was taken to ensure local 'buy-in' by allowing clinicians to consider where best to implement TOP 5	✓ brochures for family and carers	✓			✓ mutual development of management strategies to aid communication and support personalised care	✓ toolkit, information brochures for family and carers, promotional material	5
Mador-2004			✓	✓ ongoing support by Extended Practice Nurse (EPN)	✓ EPN formulated management plans	✓ patient consultation	✓ tailored management strategies	5
Miller-2004	✓ elder guide	✓ encouraged to stay with patients and provide physical care at their level of comfort	✓			✓ client profile based on carer information	✓ individualised care protocol	7
							✓ training for elder care assistants (undergraduate students)	✓ props: coloured copy of the ECSIP along with each patient's client profile was

placed in the front of the nursing records

Sub-category: following care protocol

Beernaert-2017	✓ leaflets	✓	✓ ongoing support	✓ care guide to follow	4
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Increasing (ward) capacity (n=1)

Bateman-2016	✓ consultation with managers & nursing staff throughout the planning phase via working group; Regular meetings were held with nurse unit managers and volunteers to monitor the program and address issues			✓ supervision & support of volunteers	✓ patient profile by volunteers	✓ PCC	✓ volunteers ✓ volunteer training	5
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Activities-based interventions for people with dementia (n=6)

DiNapoli-2016			✓ most frequently delivered: reminiscence/life review, casual conversation puzzles/cards/board games, listening to music, doing art		✓ Personal interests and functional status was assessed with the Assessment Tool for Individualizing Activities		✓ social worker to assist with discharge planning	3
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Gitlin-2016	✓ reviewing assessments & activities for home use		✓ activity prescriptions (e.g. folding towels)	✓	✓ by OT		✓ interview with family about patient roles, habits, interests ✓ patient assessment by OT	6
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Weber-2009	✓ assessment of communication patterns btw family members	✓ family interventions	✓ music therapy, movement therapy, psychodynamic therapy and sociotherapy		✓ weekly team meetings		✓ Psychodynamic, therapeutic community	5
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Cheong-2016			✓ music therapy				✓ board certified music therapist	2
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Daykin-2017		✓ visitors could attend music sessions	✓ participatory music (reminiscence, song-writing, composing, singing, playing instruments)				✓ Musician trained to work with PwD	3
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Windle-2018		✓ carers were not required to take part	✓ art viewing activity, art-making	✓	✓ community art partners		✓ lead artist with prior expertise and training in	4
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		although some chose to					art and dementia		
Special care units (n=4)									
Goldberg-2013; Tanajewski-2015 Cost-effectiveness		✓ proactive & inclusive approach to family (more communication, liberal visiting times, invitation to engage in day to day care)	✓ 'organised purposeful activity'	✓		✓ PCC	✓ specialist mental health staff employed, occupational, physio and speech/language therapists, psychiatrists and geriatricians, activity coordinators	✓ 28 bed specialist unit was an acute geriatric medical ward; noise reduction strategy, bed number plaques, coloured signage, etc.	6
Skea-1996					✓ unit 1 feedback at 12 months	Unit 2 emphasizing resident choice, opportunity, support and independence	✓ competitively recruited for this unit: mental health and other nursing staff	✓ separate units: 1 within hospital, 1 with 4 linked house groups, higher staff-to-patient ratio	4
Tay-2018	✓ opportunities for caregiver training serve to equip caregivers with enhanced skills and confidence to care for the patients after discharge. The team, in particular the social workers and nurses, dedicates time to explore the caregiver's coping and makes attempts to encourage and empower caregivers to care better	✓ encouraging family and volunteers to provide companionship	✓ music therapy, recreational/group activities (games, puzzles, horticultural therapy, exercises in the lounge and outdoor areas of the ward)	✓		✓ patient background info via a Know Me Better form	✓ enhanced medical and psychosocial care protocol-PCC	✓ volunteers help to feed the patients and engage them in activities and conversations	8
Volicer-1994						✓ Sites differed in medical management of patients: DSCU prioritising comfort instead of survival	✓ Staff trained in management of AD, academically affiliated part-time physicians, nurse practitioner support	✓ DSCU homogeneously grouped in 3 units; Traditional site patients dispersed among several sites with cognitively intact pts	3
Support for carers (n=1)									
Catic-2013	✓ post-discharge telephone review	✓ booklet				✓ in-patient consultation & counselling by geriatricians and palliative care			3

									nurse practitioner						
Total	6	5	2	6	8	16	8	4	10	11	8 or 9	4	5		