Evidence Table 7. Description of quality improvement elements in studies addressing pain

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author, year** | **Facilitated relay of clinical data to providers?** | **Audit and feedback?** | **Provider education?** | **Patient family caregiver education?** | **Promotion of self-management?** | **Patient caregiver reminder system?** | **Organizational change?** | **Other?** |
| Anderson, 20041 | No | No | No | Yes | Yes | No | No | No |
| Aubin, 20062 | No | No | Yes | Yes | Yes | No | No | No |
| Borneman, 20083 | Yes | Yes | Yes | Yes | Yes | No | Yes | No |
| Borneman, 20104 | No | No | No | Yes | Yes | No | No | No |
| Dalton, 20045 | No | No | No | Yes | Yes | No | No | No |
| Du Pen, 20006 | No | No | Yes | No | No | No | No | No |
| Fuchs-Lacelle, 20087 | Yes | No | No | No | No | No | No | Yes |
| Given, 20028 | No | No | No | Yes | Yes | No | No | No |
| Keefe, 20059 | No | No | No | Yes | Yes | No | No | No |
| Kovach, 200610 | Yes | No | Yes | No | No | No | No | No |
| Lovell, 201011 | No | No | No | Yes | Yes | No | No | No |
| Marinangeli, 200412 | Yes | No | No | No | No | No | No | No |
| Miaskowski, 200413, Miaskowski 200714 | Yes | No | No | Yes | Yes | No | No | No |
| Oldenmenger, 201115 | No | No | No | Yes | Yes | No | No | Yes |
| Oliver, 200116, Kalauokalani, 200717 | No | No | No | Yes | Yes | No | No | No |
| Syrjala, 200818 | No | No | No | Yes | Yes | No | No | No |
| Van der Peet, 200419 | Yes | No | No | Yes | Yes | No | No | Yes |
| Ward, 200020 | No | No | No | Yes | Yes | No | No | No |
| Ward, 200821 | No | No | No | Yes | Yes | No | No | No |
| Wells, 200322 | No | No | No | Yes | Yes | No | No | No |
| Wilkie, 201023 | No | No | No | Yes | Yes | Yes | No | No |

**Evidence Table 7 Reference List**

1. Anderson KO, Mendoza TR, Payne R *et al*. Pain education for underserved minority cancer patients: a randomized controlled trial. J Clin Oncol 2004; 22(24):4918-25.

2. Aubin M, Vezina L, Parent R *et al*. Impact of an educational program on pain management in patients with cancer living at home. Oncol Nurs Forum 2006; 33(6):1183-8.

3. Borneman T, Koczywas M, Cristea M, Reckamp K, Sun V, Ferrell B. An interdisciplinary care approach for integration of palliative care in lung cancer. Clin Lung Cancer 2008; 9(6):352-60.

4. Borneman T, Koczywas M, Sun VC, Piper BF, Uman G, Ferrell B. Reducing patient barriers to pain and fatigue management. J Pain Symptom Manage 2010; 39(3):486-501.

5. Dalton JA, Keefe FJ, Carlson J, Youngblood R. Tailoring cognitive-behavioral treatment for cancer pain. Pain Manag Nurs 2004; 5(1):3-18.

6. Du Pen AR, Du Pen S, Hansberry J *et al*. An educational implementation of a cancer pain algorithm for ambulatory care. Pain Manag Nurs 2000; 1(4):116-28.

7. - Fuchs-Lacelle S, - Hadjistavropoulos T, - Lix L. - Pain Assessment as Intervention: a Study of Older Adults With Severe Dementia. - Clinical Journal of Pain - 200810; - 24(- 8):- 697, - 707.

8. Given B, Given CW, McCorkle R *et al*. Pain and fatigue management: results of a nursing randomized clinical trial. Oncol Nurs Forum 2002; 29(6):949-56.

9. Keefe FJ, Ahles TA, Sutton L *et al*. Partner-guided cancer pain management at the end of life: a preliminary study. J Pain Symptom Manage 2005; 29(3):263-72.

10. Kovach CR, Logan BR, Noonan PE *et al*. Effects of the Serial Trial Intervention on discomfort and behavior of nursing home residents with dementia. American Journal of Alzheimer's Disease and Other Dementias 2006; 21(3):147-55.

11. Lovell MR, Forder PM, Stockler MR *et al*. A randomized controlled trial of a standardized educational intervention for patients with cancer pain. J Pain Symptom Manage 2010; 40(1):49-59.

12. Marinangeli F, Ciccozzi A, Leonardis M *et al*. Use of strong opioids in advanced cancer pain: a randomized trial. J Pain Symptom Manage 2004; 27(5):409-16.

13. Miaskowski C, Dodd M, West C *et al*. Randomized clinical trial of the effectiveness of a self-care intervention to improve cancer pain management. J Clin Oncol 2004; 22(9):1713-20.

14. Miaskowski C, Dodd M, West C *et al*. The use of a responder analysis to identify differences in patient outcomes following a self-care intervention to improve cancer pain management. Pain 2007; 129(1-2):55-63.

15. Oldenmenger WH, Sillevis Smitt PA, van Montfort CA, de Raaf PJ, van der Rijt CC. A combined pain consultation and pain education program decreases average and current pain and decreases interference in daily life by pain in oncology outpatients: a randomized controlled trial. Pain 2011; 152(11):2632-9.

16. Oliver JW, Kravitz RL, Kaplan SH, Meyers FJ. Individualized patient education and coaching to improve pain control among cancer outpatients. Journal of Clinical Oncology: Official Journal of the American Society of Clinical Oncology 2001; 19(8):2206-12.

17. Kalauokalani D, Franks P, Oliver JW, Meyers FJ, Kravitz RL. Can patient coaching reduce racialethnic disparities in cancer pain control? Secondary analysis of a randomized controlled trial. Pain Med 2007; 8(1):17-24.

18. Syrjala KL, Abrams JR, Polissar NL *et al*. Patient training in cancer pain management using integrated print and video materials: a multisite randomized controlled trial. Pain 2008; 135(1-2):175-86.

19. van der Peet EH, van den Beuken-van Everdingen MH, Patijn J, Schouten HC, van Kleef M, Courtens AM. Randomized clinical trial of an intensive nursing-based pain education program for cancer outpatients suffering from pain. Support Care Cancer 2008.

20. Ward S, Donovan HS, Owen B, Grosen E, Serlin R. An individualized intervention to overcome patient-related barriers to pain management in women with gynecologic cancers. Research in Nursing & Health 2000; 23(5):393-405.

21. Ward S, Donovan H, Gunnarsdottir S, Serlin RC, Shapiro GR, Hughes S. A randomized trial of a representational intervention to decrease cancer pain (RIDcancerPain). Health Psychol 2008; 27(1):59-67.

22. Wells N, Hepworth JT, Murphy BA, Wujcik D, Johnson R. Improving cancer pain management through patient and family education. J Pain Symptom Manage 2003; 25(4):344-56.

23. Wilkie D, Berry D, Cain K *et al*. Effects of coaching patients with lung cancer to report cancer pain. Western Journal of Nursing Research 2010; 32(1):23-46.