

Supplemental table 2: Article Inclusion & Exclusion

Radiotherapy-specific search results are provided first (Search 3), followed by Chemo-Radiotherapy results (Search2). Search 1 (general search) results are not provided.

Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 3			
Database:		EMBASE	
No.	Study	Included	Excluded with reason
1.	Chibroski D. Impact of adding pharmacy services at a hospital-owned cancer center. Journal of Oncology Pharmacy Practice. 2015;1):8-9.		Not describing an outpatient clinic pharmacy service.
2.	Danielson B, Fairchild A, Pituskin E. Using a multidisciplinary team approach to perform multidimensional assessment of patients with brain metastases. Supportive Care in Cancer. 2009;17 (7):1037.		No reportable outcome measures.
3.	Engle AL, Lombardi TP. Expanding pharmacy services in a community hospital outpatient cancer care center. Journal of Pharmacy Practice. 2013;26 (3):302.		Abstract only. No searchable full-text article available.
4.	Fairchild A, Gagnon L, Pituskin E, Dutka J, Chambers C. Optimizing pain relief in a specialized outpatient palliative radiotherapy clinic: Contributions of a clinical pharmacist. Supportive Care in Cancer. 2010;18:S162.		Abstract only. No searchable full-text article available.
5.	Gagnon L, Fairchild A, Pituskin E, Dutka J, Chambers C. Optimizing pain relief in a specialized outpatient palliative radiotherapy clinic: Contributions of a clinical pharmacist. Journal of Oncology Pharmacy Practice. 2012;18(1):76-83.		Abstract only. No searchable full-text article available.
6.	Hanya M, Kanno Y, Akasaki J, Abe K, Fujisaki K, Kamei H. Effects of communication skill training (CST) based on SPIKES for insurance-covered pharmacy pharmacists to interact with simulated cancer patients. Journal of Pharmaceutical Health Care and Sciences. 2017;3 (1) (no pagination)(11).		Not describing an outpatient clinic pharmacy service.
7.	Harshman LC, Kaag M, Efstathiou JA, Apolo AB, Hoffman-Censits JH, Stadler WM, et al. Exploring multidisciplinary practice patterns in the management of muscle invasive bladder cancer (MIBC) across the U.S. And Canada in 2015. Journal of Clinical Oncology Conference. 2016;34(2 SUPPL. 1).		Abstract only. No searchable full-text article available.
8.	Harvey DR. Establishment of a pharmacist-led phase I clinical trials program. Journal of Oncology Pharmacy		Not describing an outpatient clinic

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	Practice. 2012;18:4.		pharmacy service.
9.	Hon A, Lam T, Chan D, Hovey E. Polypharmacy in the geriatric oncology setting-multidisciplinary mayhem. Asia-Pacific Journal of Clinical Oncology. 2013;9:151.		Abstract only. No searchable full-text article available.
10.	Pituskin E, Fairchild A, Dutka J, Gagnon L, Driga A, Tachynski P, et al. Multidisciplinary team contributions within a dedicated outpatient palliative radiotherapy clinic: A prospective descriptive study. International Journal of Radiation Oncology Biology Physics. 2010;78(2):527-32.	Included	
11.	Valgus J, Jarr S, Schwartz R, Rice M, Bernard SA. Pharmacist-led, interdisciplinary model for delivery of supportive care in the ambulatory cancer clinic setting. Journal of Oncology Practice. 2010;6(6):e1-e4.	Included	

Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 3			
Database:		MEDLINE	
No.	Study	Included	Excluded with reason
1.	Pituskin E, Fairchild A, Dutka J, Gagnon L, Driga A, Tachynski P, et al. Multidisciplinary team contributions within a dedicated outpatient palliative radiotherapy clinic: a prospective descriptive study. Int J Radiat Oncol Biol Phys. 2010;78(2):527-32.		Duplicate. See Search 3, EMBASE, study 10.

Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 3			
Database:		Cochrane	
No.	Study	Included	Excluded with reason
0	No studies found.		

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Search strategy: Refer to Supplemental table 1, Search 3			
Database:		Google	
No.	Study	Included	Excluded with reason
1	Brita Danielson & Alysa Fairchild Beyond palliative radiotherapy: a pilot multidisciplinary brain metastases clinic Support Care Cancer (2012) 20:773–781		MDT team did not contain a pharmacist
2	Carsten Nieder, Astrid Dalhaug, Adam Pawinski, Ellinor Haukland, Bård Mannsåker, Kirsten Engljähringer Palliative radiotherapy with or without additional care by a multidisciplinary palliative care team in patients with newly diagnosed cancer: a retrospective matched pairs comparison Nieder et al. Radiation Oncology (2015) 10:61		MDT team did not contain a pharmacist

Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 3			
Database:		Reference check	
No.	Study	Included	Excluded with reason
1	A. Fairchild, E. Pituskin, B. Rose, S. Ghosh, J. Dutka, A. Driga et al The rapid access palliative radiotherapy program: blueprint for initiation of a one-stop multidisciplinary bone metastases clinic Support Care Cancer (2009) 17:163–170	Included	
2	Walter C, Mellor JD, Rice C, et al. Impact of a specialist clinical cancer pharmacist at a multidisciplinary lung cancer clinic. Asia Pac J Clin Oncol. 2016;12:e367-e374.	Included	

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Chemo-Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 2			
Database:		EMBASE	
No.	Study	Included	Excluded with reason
1.	Abdelhadi O, Tuffaha H. Pediatric oncology clinical pharmacy interventions in at Comprehensive Cancer Center. Journal of Oncology Pharmacy Practice. 2010;1):20.		Paediatric population.
2.	Adepu R, Sharon S. Initiation and evaluation of clinical pharmacy services to surgical ward in a South Indian tertiary care teaching hospital. Value in Health. 2015;18 (3):A276.		Study of inpatients.
3.	Ahrari S, Pasetka M, Chandrakumaran K, Truong A, Jamal N, Giotis A, et al. Assessment of the feasibility of a pharmacy-led anemia monitoring program for gastric cancer patients in an ambulatory setting. Journal of Oncology Pharmacy Practice. 2014;1):13.		Abstract only. No searchable full-text article available.
4.	Aimono Y, Nemoto M, Sato W, Saito Y, Aoyama Y, Joko F, et al. Examination of the usefulness of the pharmacists' outpatient clinic for treatment with oral molecule-targeting drugs. [Japanese]. Japanese Journal of Cancer and Chemotherapy. 2013;40(7):901-5.		Abstract only. No searchable full-text article available.
5.	Al-Somai N, Al-Muhur M, Quteimat O, Hamzah N. The impact of clinical pharmacist and ID intervention in rationalization of antimicrobial use. Saudi Pharmaceutical Journal. 2014;22(6):516-21.		Does not describe pharmacy outpatient service
6.	Anisty JM, Juno JJ, Jayarama KS, Vaishnavi AN. Impact of clinical pharmacists counselling on medication adherence and quality of life among cancer patients from a South Indian hospital. Journal of Oncology Pharmacy Practice. 2016;1):4.		Abstract only. No searchable full-text article available.
7.	Arakawa-Todo M, Yoshizawa T, Zennami K, Nishikawa G, Kato Y, Kobayashi I, et al. Management of adverse events in patients with metastatic renal cell carcinoma treated with sunitinib and clinical outcomes. Anticancer Research. 2013;33(11):5043-50.		Does not describe pharmacy outpatient service
8.	Ashjian E, Salamin LB, Eschenburg K, Kraft S, Mackler E. Evaluation of outpatient medication reconciliation involving student pharmacists at a comprehensive cancer center. Journal of the American Pharmacists Association. 2015;55(5):540-5.		Round 2 Excluded as classified Evidence Level IV

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9.	Ayoub N. Point of care pharmacy service in oncology unit - Clinical and economical outcomes. Journal of Oncology Pharmacy Practice. 2010;1):12-3.		Abstract only. No searchable full-text article available.
10.	Ayoub N, Abro S, Akram M, Sheikh L, Ahsan S. Validation of chemotherapy regimen by clinical oncology pharmacist and its impact on direct patient care. Journal of Oncology Pharmacy Practice. 2014;1):10-1.		Chemotherapy-specific article.
11.	Barraza MF, Garcia P, Morales J, Azocar M, Lobos C, Droguett MT, et al. Economic impact of clinical pharmacy unit in a pediatric hospital in the public health system. International Journal of Clinical Pharmacy. 2017;39 (1):271.		Paediatric population.
12.	Bauters T, Dhooge C, Bordon V, Besset M, Van Lancker S, Robays H. Clinical pharmacy activities at a paediatric stem cell transplantation unit. Bone Marrow Transplantation. 2010;45:S341.		Paediatric population.
13.	Bauters T, Verlooy J, De Porre J, De Moerloose B, Benoit Y, Robays H. Clinical pharmacy activities at a pediatric hemato-oncology unit. Pediatric Blood and Cancer. 2009;53 (5):749-50.		Paediatric population.
14.	Bertsche T, Askoxylakis V, Habl G, Laidig F, Kaltschmidt J, Schmitt SPW, et al. Multidisciplinary pain management based on a computerized clinical decision support system in cancer pain patients. Pain. 2009;147(1-3):20-8.		Does not describe pharmacy outpatient service
15.	Blum E, Thavarajah K, Smith AL. Optimization of patient-specific inhaler regimens: A pharmacy-pulmonology collaborative pilot program in the ambulatory care setting. Chest. 2016;150 (4 Supplement 1):635A.		Non-cancer cohort.
16.	Brown A. Preventing venous thromboembolism in hospitalized patients with cancer: Improving compliance with clinical practice guidelines. American Journal of Health-System Pharmacy. 2012;69(6):469-81.		Study of inpatients.
17.	Campos Gomez S, Morales Perez M, Campos Gomez KA, Toledo Vigueras E, Garcia Garces M, Sanchez Rodriguez I. Evaluation of pharmacist interventions in reducing medication errors in older (>60 years) cancer patient in an Outpatient Oncology Unit: Mexican Experience. European Journal of Cancer. 2015;51:S196.		Abstract only. No searchable full-text article available.
18.	Chan MY, Yu AK, Lau RW, Linh E, Chen EY, Birmingham K. Clinical pharmacist integration into the oncology medical home. Journal of Clinical Oncology Conference. 2015;33(15 SUPPL. 1).		Abstract only. No searchable full-text article available.

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19.	Chen J, Lu XY, Wang WJ, Shen B, Ye Y, Jiang H, et al. Impact of a clinical pharmacist-led guidance team on cancer pain therapy in China: A prospective multicenter cohort study. <i>Journal of Pain and Symptom Management</i> . 2014;48(4):500-9.		Study of inpatients.
20.	Chew C, Chiang J, Yeoh TT. Impact of outpatient interventions made at an ambulatory cancer centre oncology pharmacy in Singapore. <i>Journal of Oncology Pharmacy Practice</i> . 2014;21(2):93-101.		Round 2 Excluded as classified Evidence Level IV
21.	Colombo LRP, Aguiar PM, Lima TM, Storpirtis S. The effects of pharmacist interventions on adult outpatients with cancer: A systematic review. <i>Journal of Clinical Pharmacy and Therapeutics</i> . 2017.		Critical level of heterogeneity observed in this systematic review article.
22.	Costa L, Ferracini A, Rodrigues A, Cruz A, Barros A, Silva N, et al. Implementation of clinical pharmacy service for preventing prescription errors in a women's health intensive care unit. <i>Journal of the American Pharmacists Association</i> . 2014;54 (2):e142-e3.		Study of inpatients.
23.	Deliens C, Deliens G, Filleul O, Pepersack T, Awada A, Piccart M, et al. Drugs prescribed for patients hospitalized in a geriatric oncology unit: Potentially inappropriate medications and impact of a clinical pharmacist. <i>Journal of Geriatric Oncology</i> . 2016;10.		Study of inpatients.
24.	Duda J, Bonkowski J, Griffith N, Berger M, Blazer M, Crawford B, et al. Using clinical documentation to advance the role of clinical specialist pharmacists in outpatient hematology/oncology clinics. <i>Journal of Oncology Pharmacy Practice</i> . 2012;18:12-3.		Abstract only. No searchable full-text article available.
25.	Edwards SJ, Abbott R, Edwards J, Leblanc M, Dranitsaris G, Donnan J, et al. Outcomes assessment of a pharmacist-directed seamless care program in an ambulatory oncology clinic. <i>Journal of Pharmacy Practice</i> . 2014;27(1):46-52.	Included	
26.	El-Hamamsy M. Effects of clinical pharmacist interventions on clinical outcomes in oncology patients. <i>Value in Health</i> . 2012;15 (4):A232.		Chemotherapy-specific.
27.	Escudero-Vilaplana V, Ribed A, Romero-Jimenez RM, Buendia-Bravo S, Gonzalez-Haba E, Codina C, et al. Adding value: Pharmacist interventions in ONCO-Haematological outpatients. <i>European Journal of Hospital Pharmacy</i> . 2015;22:A67.		Abstract only. No searchable full-text article available.

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28.	Galfrascoli E. Pharmacists and clinicians collaborate: Inter-disciplinary team for the clinical risk management in Italy. <i>International Journal of Clinical Pharmacy</i> . 2013;35 (6):1298.		Abstract only. No searchable full-text article available.
29.	Gemio P, Martin Clavo S, Romero Soria L, Braga Fuentes L, Bravo Garcia-Cuevas L, Bernaldez Rey MJ, et al. Hospital pharmacy resident collaboration in a clinical infectious diseases unit (CIDU)). <i>European Journal of Hospital Pharmacy: Science and Practice</i> . 2012;19 (2):229-30.		Study of inpatients.
30.	Goarin C, Mugnier N. Clinical pharmacist activity in an oncology and haematology unit significantly improves and secures patient care. <i>Pharmacien Hospitalier et Clinicien</i> . 2011;46(2):e24-e32.		Study of inpatients.
31.	Gomez SC, Perez MM, Gomez KAC, Rodriguez IS, Garces MG, Garcia EMG, et al. Contribution of clinical pharmacy services integrating into the outpatient oncology unit: Single institution experience in Mexico. <i>Journal of Clinical Oncology Conference</i> . 2015;33(15 SUPPL. 1).		Abstract only. No searchable full-text article available.
32.	Han JM, Ah YM, Suh SY, Jung SH, Hahn HJ, Im SA, et al. Clinical and economic impact of pharmacists' intervention in a large volume chemotherapy preparation unit. <i>International Journal of Clinical Pharmacy</i> . 2016;38(5):1124-32.		Chemotherapy-specific.
33.	Han JM, Ah YM, Suh SY, Jung SH, Hahn HJ, Im SA, et al. Clinical and economic impact of pharmacists' intervention in a large volume chemotherapy preparation unit. <i>International Journal of Clinical Pharmacy</i> . 2016;38(5):1124-32.		Duplicate. See search 2 EMBASE study number 32. (Above)
34.	Han JM, Lee JY, Im SA, Suh SY, Jung SH, Kim HS, et al. Clinical and economic impact of intervention of pharmacists in a large volume chemotherapy preparation unit. <i>Pharmacotherapy</i> . 2015;35 (11):e252.		Duplicate. See search 2 EMBASE study number 32. (Above)
35.	Hanson RL, Gannon MJ, Khamo N, Sodhi M, Orr AM, Stubbings J. Improvement in safety monitoring of biologic response modifiers after the implementation of clinical care guidelines by a specialty pharmacy service in an academic health system. <i>Journal of Managed Care Pharmacy</i> . 2013;19(1):49-67.		Abstract only. No searchable full-text article available.
36.	Hernandez Martinez JF, Morales Perez M, Toledo Vigueras I, Colin Gomez DP, Paredes Garcia P, Sanchez Rodriguez I. Determination of medication errors and		Study of inpatients.

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	economic implications to one year of the establishment of clinical pharmacy service in medical oncology unit: Experience in a hospital of cancer in Mexico. Value in Health. 2016;19 (3):A12-A3.		
37.	Horasawa S, Matsui R, Kawasumi K, Saito S. The usefulness of outpatient pharmacy services in adjuvant chemotherapy for gastric cancer. [Japanese]. Japanese Journal of Cancer and Chemotherapy. 2016;43(9):1091-5.		Abstract only. No searchable full-text article available.
38.	Hwang YC, Yee CF, Cheng KJ, Lee YF, Tsai YT, Chu KL, et al. Clinical outcomes of pharmacists providing medication education to inpatients new on warfarin therapy. Pharmacoepidemiology and Drug Safety. 2014;23:461.		Study of inpatients.
39.	Ihbe-Heffinger A, Bernard R, Schwarz-Boeger U, Lackmann KG, Kiechle M, Jacobs VR. The benefit of clinical pharmacists' interventions in a gynecology department of a German university hospital: A pilot project from clinical and quality management perspective. Archives of Gynecology and Obstetrics. 2010;282:S185.		Study of inpatients.
40.	Ihbe-Heffinger A, Volkel P, Grose-Lackmann K, Bernard R, Jacobs VR, Kiechle M. Clinical pharmacist's interventions in a gynecology department of a German university hospital: A continuous qualitative and economic benefit? Archives of Gynecology and Obstetrics. 2012;1):S137-S8.		Study of inpatients.
41.	Ioannidis K, Papachristos A, Scarlatinis I. Clinical pharmacist interventions in oncology setting in a tertiary hospital in Greece. International Journal of Clinical Pharmacy. 2015;37 (1):220-1.		Study of inpatients.
42.	Ioannidis K, Papachristos A, Skarlatinis I. Types of medication errors in oncology setting in Greece: Is clinical pharmacist role beneficial and cost-effective? Pharmacotherapy. 2015;35 (11):e253.		Study of inpatients.
43.	Kamal S. Implementation of clinical intervention reporting system for pharmacists. Value in Health. 2009;12 (7):A262.		Paediatric population.
44.	Kloth DD, Iacovelli L, Arbuckle R, McIntosh AC. The escalating role of epidermal growth factor receptor inhibitors in cancer management: Clinical considerations for the health system pharmacist. P and T. 2010;35(4):219-32.		Does not describe an outpatient pharmacy service
45.	Knez L, Laaksonen R, Duggan C. Evaluation of clinical interventions made by pharmacists in chemotherapy		Chemotherapy-specific.

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	preparation. Radiology and Oncology. 2010;44(4):249-56.		
46.	Knez L, Laaksonen R, Duggan C, Nijjar R. Evaluation of clinical interventions made by pharmacists in cancer services. Pharmaceutical Journal. 2008;280(7492):277-80.		Study of inpatients.
47.	Koseoglu A, Al-Taie AH, Aliustaoglu M, Sancar M, Izzettin F. Assessment of port-catheter complications in cancer patients: Impact of clinical pharmacist care. International Journal of Clinical Pharmacy. 2017;39(1):263.		Abstract only. No searchable full-text article available.
48.	Lam AO, Kuo GM, Batarse B, Atayee RS. The impact of standardized protocol for oral chemotherapy prescription processing in a specialty outpatient cancer center pharmacy. Pharmacotherapy. 2010;30(10):457e.		Abstract only. No searchable full-text article available.
49.	Le Guen R, Madelaine I, Tournamille JF, Bellanger A, Astier A, Braguer D, et al. Study impact: Descriptive analysis of pharmacist's clinical practice in onco-hematology. [French]. Annales Pharmaceutiques Francaises. 2015;73(3):223-8.		Does not describe an outpatient pharmacy service
50.	Liu M, Zhu X, Chen Z, Dong M. Analysis of clinical effect of involvement of clinical pharmacists in perioperative total parenteral nutrition prescription for cancer patients. [Chinese]. Chinese Journal of Clinical Nutrition. 2016;24(6):364-8.		Study of inpatients.
51.	Longton F, Mattens M, Bourton M. Clinical pharmacist attending weekly oncology outpatient multidisciplinary team meetings. International Journal of Clinical Pharmacy. 2013;35(5):860.		Abstract only. No searchable full-text article available.
52.	Lopez-Martin C, Garrido Siles M, Alcaide-Garcia J, Faus Felipe V. Role of clinical pharmacists to prevent drug interactions in cancer outpatients: a single-centre experience. International Journal of Clinical Pharmacy. 2014;36(6):1251-9.		Round 2 Excluded as classified Evidence Level IV
53.	Lum D, Cohen V, Willner M, Cassera F, Caruso P. Pharmacist initiated computerized clinical decision support tool to improve performance in the joint commission tobacco cessation measures. Journal of Pharmacy Practice. 2013;26(3):300-1.		Study of inpatients.
54.	Ma JD, Tran V, Chan C, Mitchell WM, Atayee RS. Retrospective analysis of pharmacist interventions in an ambulatory palliative care practice. Journal of Oncology Pharmacy Practice. 2016;22(6):757-65.	Included	

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55.	Mancini R. Implementing a Standardized Pharmacist Assessment and Evaluating the Role of a Pharmacist in a Multidisciplinary Supportive Oncology Clinic. <i>Journal of Supportive Oncology</i> . 2012;10(3):99-106.		Abstract only. No searchable full-text article available.
56.	Mancini R, Clifford K, Brown M, Watts L, Zuckerman DS, Levin R, et al. Medication therapy management (MTM) in a multidisciplinary supportive oncology clinic. <i>Journal of Clinical Oncology Conference: ASCO's Quality Care Symposium</i> . 2012;30(34 SUPPL. 1).		Abstract only. No searchable full-text article available.
57.	Marliot G, Tresch E, Sakji I, Lefebvre G, Rodrigues I, Delbey S. Clinical pharmacy services in units : Impact on the physician orders in a cancer center. <i>Supportive Care in Cancer</i> . 2014;1):S162.		Does not describe an outpatient pharmacy service
58.	Marques da Silva NM. The impact of pharmacist participation in a multidisciplinary team on an oncology ward compared with a ward clinical pharmacy service. <i>European Journal of Hospital Pharmacy: Science and Practice</i> . 2012;19 (2):259-60.		Study of inpatients.
59.	McInerney S, Murphy C, Rai D, Welch S. Changes in the number and significance of pharmacist interventions at an outpatient chemotherapy clinic between 2009 and 2013. <i>Journal of Pharmacy Practice and Research</i> . 2017;47(3):207-11.		Chemotherapy-specific article.
60.	McKavanagh D, Sandhu G, Baker J. The pharmacist's role in the cancer out-patient clinic: Increasing medication safety and team efficiency. <i>Asia-Pacific Journal of Clinical Oncology</i> . 2011;7:98-9.		Abstract only. No searchable full-text article available.
61.	Meers G, Noerens K, Collier H, Cortoos P. Clinical pharmacist interventions on parenteral nutrition appropriateness in a teaching hospital. <i>European Journal of Hospital Pharmacy</i> . 2015;22:A1-A2.		Study of inpatients.
62.	Myotoku M. Importance of pharmaceutical training and clinical research at medical facilities. [Japanese]. <i>Yakugaku Zasshi</i> . 2017;137(1):13-6.		No reportable outcome measures.
63.	Oakley C, Eestila S. Evaluation of a nurse-pharmacist led urology chemotherapy clinic and pro-active telephone monitoring pilot. <i>Supportive Care in Cancer</i> . 2011;1):S165-S6.		Chemotherapy-specific article.
64.	Okumura L, Antunes V, Aguiar K, Farias T, Andrzejewski V, Funke V. Advancing pharmacy practice through a novel chronic myeloid leukemia ambulatory care in Brazil:		Abstract only. No searchable full-text article available.

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	Structure, process and results. <i>Pharmacotherapy</i> . 2015;35 (11):e258.		
65.	Parbutt C. Pharmacy based risk assessment process for clinical trials. <i>Clinical Pharmacist</i> . 2010;2 (9):S15.		Clinical trials.
66.	Parker CP. Acceptance rate of recommendations made by clinical pharmacists to reduce cardiovascular risk. <i>Journal of the American Society of Hypertension</i> . 2015;1):e108.		Abstract only. No searchable full-text article available.
67.	Pituskin E, Fairchild A, Dutka J, Gagnon L, Driga A, Tachynski P, et al. Multidisciplinary team contributions within a dedicated outpatient palliative radiotherapy clinic: A prospective descriptive study. <i>International Journal of Radiation Oncology Biology Physics</i> . 2010;78(2):527-32.		Duplicate. See Search 3, EMBASE, study number 10.
68.	Polimeni G, Isgro V, Aiello A, D'Ausilio A, D'Addetta, Cuzzocrea S, et al. Role of clinical pharmacist in optimizing reimbursement originating from performance-based risk-sharing arrangements: The experience of the university hospital "G. Martino" from Messina, Italy. <i>Value in Health</i> . 2016;19 (7):A756.		Does not describe outpatient clinic pharmacy service
69.	Ribed A, Romero-Jimenez RM, Escudero-Vilaplana V, Buendia-Bravo S, Monje Garcia B, Tovar Pozo M, et al. Pharmacist's role on adherence and literacy in a cancer outpatient setting. <i>European Journal of Hospital Pharmacy</i> . 2015;22:A79.		Abstract only. No searchable full-text article available.
70.	Ribed A, Romero-Jimenez RM, Escudero-Vilaplana V, Iglesias-Peinado I, Herranz-Alonso A, Codina C, et al. Pharmaceutical care program for onco-hematologic outpatients: safety, efficiency and patient satisfaction. <i>International Journal of Clinical Pharmacy</i> . 2016;38(2):280-8.	Included	
71.	Ribed A, Romero-Jimenez RM, Escudero-Vilaplana V, Iglesias-Peinado I, Herranz-Alonso A, Codina C, et al. Pharmaceutical care program for onco-hematologic outpatients: safety, efficiency and patient satisfaction. <i>International Journal of Clinical Pharmacy</i> . 2016;38(2):280-8.		Duplicate. See Search 2, EMBASE study number 70. (ABOVE)
72.	Ruder AD, Smith DL, Madsen MT, Kass FH. Is there a benefit to having a clinical oncology pharmacist on staff at a community oncology clinic? <i>Journal of Oncology Pharmacy Practice</i> . 2011;17(4):425-32.		Round 2 Excluded as classified Evidence Level IV
73.	Rychlickova J, Saloun J, Gregorova J. Evaluation of Clinical Pharmacists' Interventions in the Czech Republic. <i>Pharmacotherapy</i> . 2016;36(7):766-73.		Study of inpatients.

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74.	Shah S. Effect of clinical pharmacy services on the care of treatment-naïve patients with hepatitis c who receive their triple-drug therapy from an independent specialty pharmacy. Journal of the American Pharmacists Association. 2012;52 (2):260.		Abstract only. No searchable full-text article available.
75.	Silva MF, Campos HA, Henriquez CJ, Morales VJ, Rubio LB. Optimization of indicators of clinical pharmacy activities at a Chilean pediatric hospital. Pharmacotherapy. 2015;35 (11):e254-e5.		Paediatric population.
76.	Silva MF, Henriquez CJ, Escobar RR, Morales VJ. Implementation of a pharmaceutical care service in the outpatient pediatric oncology clinic. Pharmacotherapy. 2015;35 (11):e253.		Paediatric population.
77.	Silva MF, Morales VJ, Henriquez CJ. Results from the development of a clinical pharmacy program in a Chilean pediatric hospital: A 6 year review experience. Pharmacotherapy. 2015;35 (11):e254.		Paediatric population.
78.	Silva N. The impact of pharmacist participation in a multidisciplinary team on an oncology ward compared with a ward clinical pharmacy service. Journal of Oncology Pharmacy Practice. 2012;18:24.		Study of inpatients.
79.	So KH, Wong NCA, Chan MCG, Lee SCB. Clinical Pharmacy Service in Children Cancer Centre and Bone Marrow Transplant Unit at a local hospital in Hong Kong. Journal of Oncology Pharmacy Practice. 2017;23:13.		Paediatric population.
80.	Suzuki S, Tahara M, Kobayashi T, Yajima Y, Ishiki H, Sugiyama J, et al. Evaluation of a team-based clinical pharmacist in cancer chemotherapy. Journal of Clinical Oncology Conference: ASCO Annual Meeting. 2011;29(15 SUPPL. 1).		Abstract only. No searchable full-text article available.
81.	Swan JT, Zaghloul HA, Cox JE, Murillo Jr JR. Use of a pharmacy protocol to convert standard rituximab infusions to rapid infusion shortens outpatient infusion clinic visits. Pharmacotherapy. 2014;34(7):686-94.		Not describing a pharmacy outpatient clinic service
82.	Tanguy-Goarin C, Mugnier N. Clinical pharmacist activity in an oncology and haematology unit significantly improves and secure patient care. [French]. Pharmacien Hospitalier. 2011;46(1):4-12.		Study of inpatients.
83.	Tuffaha HW, Koopmans SM. Development and implementation of a method for characterizing clinical pharmacy interventions and medication use in a cancer center. Journal of Oncology Pharmacy Practice. 2012;18(2):180-5.		Study of inpatients.

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84.	Turley D, Kantilal K. Maximising pharmacists' efficiency and improving patient care in cancer outpatient clinics. <i>European Journal of Hospital Pharmacy</i> . 2016;23:A48.		Abstract only. No searchable full-text article available.
85.	Uozumi S, Suzuki S, Yamazaki T, Okano T, Enokida T, Wakasugi T, et al. Impact of pharmacist outpatient interventions on management of Lenvatinib for thyroid cancer patients. <i>Annals of Oncology</i> . 2016;27:vii100.		Abstract only. No searchable full-text article available.
86.	Valgus JM, Aimee F, Gregory KM, Sandra J, Scott S, Stephen C, et al. Integration of a clinical pharmacist into the hematology-oncology clinics at an academic medical center. <i>American Journal of Health-System Pharmacy</i> . 2011;68(7):613-9.		Round 2 Excluded as classified Evidence Level IV
87.	Van Leeuwen RWF, Jansman FGA, Van den Bemt PMLA, De Man F, Piran F, Vincenten I, et al. Drug-drug interactions in patients treated for cancer: A prospective study on clinical interventions. <i>Annals of Oncology</i> . 2015;26(5):992-7.		Round 2 Excluded as classified Evidence Level IV
88.	Vella J, Wirth F, Anastasi A, Azzopardi LM, Serracino-Inglott A. Pharmacist-led adherence clinics for Hodgkin's and non-Hodgkin's lymphoma. <i>International Journal of Clinical Pharmacy</i> . 2017;39 (1):307.		Abstract only. No searchable full-text article available.
89.	Wan Z, Zhuo F, Xie R, Quan R, Liao Y. Intervention of clinical pharmacists on the irrational drug use in oncology department. [Chinese]. <i>Anti-Tumor Pharmacy</i> . 2014;4(5):389-92.		Study of inpatients.
90.	Wang Y, Wu H, Xu F. Impact of clinical pharmacy services on KAP and QOL in Cancer Patients: A single-center experience. <i>BioMed Research International</i> . 2015;2015 (no pagination)(502431).		Study of inpatients.
91.	Wang Y, Wu H, Xu F. Impact of clinical pharmacy services on KAP and QOL in Cancer Patients: A single-center experience. <i>BioMed Research International</i> . 2015;2015 (no pagination)(502431).		Duplicate. See Search 2, EMBASE study number 90. (ABOVE)
92.	Wieringa S, Lingaratnam S, Rice C. The clinical trial pharmacist's role in reviewing medication related enquiries for patients enrolled in an oncology clinical trial. <i>Asia-Pacific Journal of Clinical Oncology</i> . 2015;11:165.		Clinical trial.
93.	Xie Z, Sun L. Effect of clinical pharmaceutical care in patients with cancer pain patients in China. <i>Pharmacotherapy</i> . 2013;33 (10):e268.		Study of inpatients.
94.	Yap K, Low XH, Koh SK, Un M, Shih V, Chan A.		Not describing

Supplemental table 2: Article Inclusion & Exclusion

	Enhancing pharmacists' clinical management of nausea and vomiting in patients with cancer through a new SMS-based pathway in Asia. International Journal of Pharmacy Practice. 2012;20:35.		outpatient clinic pharmacy services: Tele-communication
95.	Yap KY, Low HX, Koh KS, Un M, Shih V, Chan A. Feasibility and acceptance of a pharmacist-run tele-oncology service for chemotherapy-induced nausea and vomiting in ambulatory cancer patients. Telemedicine journal and e-health : the official journal of the American Telemedicine Association. 2013;19(5):387-95.		Not describing outpatient clinic pharmacy services: Tele-communication
96.	Yap KYL, Low HX, Koh KS, Un M, Shih V, Chan A. Feasibility and acceptance of a pharmacist-run tele-oncology service for chemotherapy-induced nausea and vomiting in ambulatory cancer patients. Telemedicine journal and e-health : the official journal of the American Telemedicine Association. 2013;19(5):387-95.		Not describing outpatient clinic pharmacy services: Tele-communication
97.	Yoshimi C, Yamada M, Fujii H, Nishigaki M, Iihara H, Kitaichi K, et al. Evaluation of the efforts of pharmaceutical care services before medical examination at an outpatient cancer chemotherapy clinic. [Japanese]. Japanese Journal of Cancer and Chemotherapy. 2013;40(3):349-54.		Abstract only. No searchable full-text article available.
98.	Zhang L, Qi X, Zhao H. Roles of clinical pharmacists in nutritional therapy for gastric cancer patients treated with neoadjuvant chemotherapy. [Chinese]. Journal of Practical Oncology. 2016;31(6):537-40.		Study of inpatients.
99.	Zhou K, Cheung WT, Wong YY. Evaluation of the extent and impact of oncology clinical pharmacy service in a tertiary hospital in Hong Kong-first 10-month experience. Pharmacotherapy. 2015;35 (11):e252.		Study of inpatients.

Supplemental table 2: Article Inclusion & Exclusion

Chemo-Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 2			
Database:		MEDLINE	
No.	Study	Included	Excluded with reason
1.	Aimono Y, Kamoshida T, Sakamoto R, Nemoto M, Saito Y, Aoyama Y, et al. [Initial Evaluation of the Efficacy and Safety of Tablets Containing Trifluridine and Tipiracil Hydrochloride--Safety Measures Devised by a Multidisciplinary Team Including a Pharmaceutical Outpatient Clinic]. <i>Gan to Kagaku Ryoho [Japanese Journal of Cancer & Chemotherapy]</i> . 2015;42(7):817-20.		Does not describe pharmacy outpatient service
2.	Aimono Y, Nemoto M, Sato W, Saito Y, Aoyama Y, Joko F, et al. [Examination of the usefulness of the pharmacists' outpatient clinic for treatment with oral molecule-targeting drugs]. <i>Gan to Kagaku Ryoho [Japanese Journal of Cancer & Chemotherapy]</i> . 2013;40(7):901-5.		Abstract only. No searchable full-text article available.
3.	Ashjian E, Salamin LB, Eschenburg K, Kraft S, Mackler E. Evaluation of outpatient medication reconciliation involving student pharmacists at a comprehensive cancer center. <i>J Am Pharm Assoc</i> (2003). 2015;55(5):540-5.		Duplicate. See search 2, EMBASE study number 8.
4.	Chew C, Chiang J, Yeoh TT. Impact of outpatient interventions made at an ambulatory cancer centre oncology pharmacy in Singapore. <i>Journal of Oncology Pharmacy Practice</i> . 2015;21(2):93-101.		Duplicate. See search 2, EMBASE study number 20.
5.	Edwards SJ, Abbott R, Edwards J, LeBlanc M, Dranitsaris G, Donnan J, et al. Outcomes assessment of a pharmacist-directed seamless care program in an ambulatory oncology clinic. <i>Journal of Pharmacy Practice</i> . 2014;27(1):46-52.		Duplicate. See search 2, EMBASE study number 25.
6.	Gertz MA, Ansell SM, Dingli D, Dispenzieri A, Buadi FK, Elliott MA, et al. Autologous stem cell transplant in 716 patients with multiple myeloma: low treatment-related mortality, feasibility of outpatient transplant, and effect of a multidisciplinary quality initiative. <i>Mayo Clinic Proceedings</i> . 2008;83(10):1131-8.		Pharmacy services not describing medication-related events as outcome measure.
7.	Horasawa S, Matsui R, Kawasumi K, Saito S. [The Usefulness of Outpatient Pharmacy Services in Adjuvant Chemotherapy for Gastric Cancer]. <i>Gan to Kagaku</i>		Abstract only. No searchable full-text article

Supplemental table 2: Article Inclusion & Exclusion

	Ryoho [Japanese Journal of Cancer & Chemotherapy]. 2016;43(9):1091-5.		available.
8.	Iihara H, Ishihara M, Matsuura K, Kurahashi S, Takahashi T, Kawaguchi Y, et al. Pharmacists contribute to the improved efficiency of medical practices in the outpatient cancer chemotherapy clinic. Journal of Evaluation in Clinical Practice. 2012;18(4):753-60.		CDU & chemotherapy as measurable outcome
9.	Ito T, Shimizu K, Ichida Y, Ishibashi Y, Akizuki N, Ogawa A, et al. Usefulness of pharmacist-assisted screening and psychiatric referral program for outpatients with cancer undergoing chemotherapy. Psycho-Oncology. 2011;20(6):647-54.		Pharmacy services not describing medication-related events as outcome measure.
10.	Lopez-Martin C, Garrido Siles M, Alcaide-Garcia J, Faus Felipe V. Role of clinical pharmacists to prevent drug interactions in cancer outpatients: a single-centre experience. International Journal of Clinical Pharmacy. 2014;36(6):1251-9.		Duplicate. See search 2 EMBASE study number 52.
11.	MacLeod A, Branch A, Cassidy J, McDonald A, Mohammed N, MacDonald L. A nurse-/pharmacy-led capecitabine clinic for colorectal cancer: results of a prospective audit and retrospective survey of patient experiences. European Journal of Oncology Nursing. 2007;11(3):247-54.		Chemotherapy-specific article.
12.	Mancini R. Implementing a standardized pharmacist assessment and evaluating the role of a pharmacist in a multidisciplinary supportive oncology clinic. J Support Oncol. 2012;10(3):99-106.		Abstract only. No searchable full-text article available.
13.	McKee M, Frei BL, Garcia A, Fike D, Soefje SA. Impact of clinical pharmacy services on patients in an outpatient chemotherapy academic clinic. Journal of Oncology Pharmacy Practice. 2011;17(4):387-94.		Round 2 Excluded as classified Evidence Level IV
14.	Nightingale G, Hajjar E, Guo K, Komura S, Urnoski E, Senddecki J, et al. A pharmacist-led medication assessment used to determine a more precise estimation of the prevalence of complementary and alternative medication (CAM) use among ambulatory senior adults with cancer. Journal of Geriatric Oncology. 2015;6(5):411-7.		Does not describe pharmacy outpatient clinical services
15.	Nightingale G, Hajjar E, Swartz K, Andrel-Senddecki J, Chapman A. Evaluation of a pharmacist-led medication		Does not describe

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	assessment used to identify prevalence of and associations with polypharmacy and potentially inappropriate medication use among ambulatory senior adults with cancer. <i>Journal of Clinical Oncology</i> . 2015;33(13):1453-9.		pharmacy outpatient clinical services
16.	Ogasawara N, Waga N, Okada K, Chiyokawa C, Sasaki M, Ohori H, et al. [Questionnaire survey of efficacy of patient support in outpatient chemotherapy by pharmacist]. <i>Gan to Kagaku Ryoho [Japanese Journal of Cancer & Chemotherapy]</i> . 2009;36(7):1119-23.		Abstract only. No searchable full-text article available.
17.	Ohya M, Gohda Y, Sato S, Makishima K, Murakami M. [Role of pharmacists on the safety management of ambulatory cancer chemotherapy]. <i>Gan to Kagaku Ryoho [Japanese Journal of Cancer & Chemotherapy]</i> . 2009;36 Suppl 1:57-9.		Abstract only. No searchable full-text article available.
18.	Pituskin E, Fairchild A, Dutka J, Gagnon L, Driga A, Tachynski P, et al. Multidisciplinary team contributions within a dedicated outpatient palliative radiotherapy clinic: a prospective descriptive study. <i>Int J Radiat Oncol Biol Phys</i> . 2010;78(2):527-32.		Duplicate. See Search 3, EMBASE, study number 10.
19.	Reece KM, Lozano MA, Roux R, Spivey SM. Implementation and evaluation of a gravimetric i.v. workflow software system in an oncology ambulatory care pharmacy. <i>American Journal of Health-System Pharmacy</i> . 2016;73(3):165-73.		Does not describe outpatient pharmacy clinic service
20.	Reece KM, Lozano MA, Roux R, Spivey SM. Implementation and evaluation of a gravimetric i.v. workflow software system in an oncology ambulatory care pharmacy. <i>American Journal of Health-System Pharmacy</i> . 2016;73(3):165-73.		Does not describe outpatient pharmacy clinic service
21.	Ribed A, Romero-Jimenez RM, Escudero-Vilaplana V, Iglesias-Peinado I, Herranz-Alonso A, Codina C, et al. Pharmaceutical care program for onco-hematologic outpatients: safety, efficiency and patient satisfaction. <i>International Journal of Clinical Pharmacy</i> . 2016;38(2):280-8.		Duplicate. See Search 2, EMBASE study number 70.
22.	Ruder AD, Smith DL, Madsen MT, Kass FH, 3rd. Is there a benefit to having a clinical oncology pharmacist on staff at a community oncology clinic? <i>Journal of Oncology Pharmacy Practice</i> . 2011;17(4):425-32.		Duplicate. Search 2 EMBASE study number 72.
23.	Ryan N, Chambers C, Ralph C, England D, Cusano F. Evaluation of clinical pharmacists' follow-up service in an oncology pain clinic. <i>Journal of Oncology Pharmacy</i>		Excluded as change-over-time not

Supplemental table 2: Article Inclusion & Exclusion

	Practice. 2013;19(2):151-8.		provided. The F/U data not provided.
24.	Swan JT, Zaghloul HA, Cox JE, Murillo JR, Jr. Use of a pharmacy protocol to convert standard rituximab infusions to rapid infusion shortens outpatient infusion clinic visits. <i>Pharmacotherapy: The Journal of Human Pharmacology & Drug Therapy</i> . 2014;34(7):686-94.		Duplicate. See search2 EMBASE study number 81.
25.	Waters L, Patterson B, Scourfield A, Hughes A, de Silva S, Gazzard B, et al. A dedicated clinic for HIV-positive individuals over 50 years of age: a multidisciplinary experience. <i>Int J STD AIDS</i> . 2012;23(8):546-52.		Inadequate cancer population.
26.	Yap KY, Low HX, Koh KS, Un M, Shih V, Chan A. Feasibility and acceptance of a pharmacist-run tele-oncology service for chemotherapy-induced nausea and vomiting in ambulatory cancer patients. <i>Telemed J E Health</i> . 2013;19(5):387-95.		Not describing outpatient clinic pharmacy services: Tele-communication
27.	Yoshimi C, Yamada M, Fujii H, Nishigaki M, Iihara H, Kitaichi K, et al. [Evaluation of the efforts of pharmaceutical care services before medical examination at an outpatient cancer chemotherapy clinic]. <i>Gan to Kagaku Ryoho [Japanese Journal of Cancer & Chemotherapy]</i> . 2013;40(3):349-54.		Abstract only. No searchable full-text article available.

Supplemental table 2: Article Inclusion & Exclusion

Chemo-Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 2			
Database:		Cochrane	
No.	Study	Included	Excluded with reason
1.	Abadi S, Jang D, Koke P, Walisser S, Kuik K, Maric C, et al. Pharmacists' interventions in new ambulatory chemotherapy patients. Canadian Journal of Hospital Pharmacy Conference: CSHP Professional Practice Conference 2015 Toronto, ON Canada Conference Start: 20150131 Conference End: 20150204 Conference Publication: (varpagings) [Internet]. 2015; 68(2):[177 p.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/045/CN-01172045/frame.html .		CDU specific – outcomes were decreased chemotherapy related medication error.
2.	Edwards SJ, Abbott R, Edwards J, LeBlanc M, Dranitsaris G, Donnan J, et al. Outcomes assessment of a pharmacist-directed seamless care program in an ambulatory oncology clinic. Journal of pharmacy practice [Internet]. 2014; 27(1):[46-52 pp.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/349/CN-01121349/frame.html .		Duplicate. See search 2, EMBASE study 25.
3.	Hochstenbach L, Courtens A, Zwakhalen S, Vermeulen J, Kleef M, Witte L. Cancer pain in the outpatient setting: Development of a technology supported self-management intervention. Pain practice [Internet]. 2014; 14:[27 p.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/893/CN-01009893/frame.html .		Abstract only. No searchable full-text article available.
4.	Neville H, Broadfield L, Harding C, Heukshorst S, Sweetapple J, Rolle M. Chemotherapy order entry by a clinical support Pharmacy technician in an outpatient medical day unit. Canadian journal of hospital pharmacy [Internet]. 2016; 69(3):[202-8 pp.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/369/CN-01330369/frame.html .		Not describing a pharmacy outpatient clinic service CDU specific Technician
5.	Read H, Ladds S, Rhodes B, Brown D, Portlock J. The impact of a supplementary medication review and counselling service within the oncology outpatient setting. British journal of cancer [Internet]. 2007; 96(5):[744-51 pp.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/600/CN-00578600/frame.html	Included	

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6.	Swan JT, Zaghloul HA, Cox JE, Murillo Jr JR. Use of a pharmacy protocol to convert standard rituximab infusions to rapid infusion shortens outpatient infusion clinic visits. Pharmacotherapy [Internet]. 2014; 34(7):[686-94 pp.]. Available from: http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/592/CN-01071592/frame.html .		Duplicate. See search2 EMBASE study number 81.
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Chemo-Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 2			
Database:		Google	
No.	Study	Included	Excluded with reason
1	Haitham W. Tuffaha • Ola Abdelhadi Suha Al Omar Clinical pharmacy services in the outpatient pediatric oncology clinics at a comprehensive cancer center Int J Clin Pharm (2012) 34:27–31		Paediatric population.
2	Hirotoishi Iihara, Masashi Ishihara, Katsuhiko Matsuura, Sayoko Kurahashi ,Takao Takahashi, Yoshihiro Kawaguchi Pharmacists contribute to the improved efficiency of medical practices in the outpatient cancer chemotherapy clinic Journal of Evaluation in Clinical Practice ISSN 1365-2753		CDU & chemotherapy as measurable outcome
3	Judith Lees, Alexandre Chan Polypharmacy in elderly patients with cancer: clinical implications and management Lancet Oncol 2011; 12: 1249–57		Not describing an outpatient clinic pharmacy service.
4	Sessions J, Valgus J, Barbour S, Iacovelli L. Role of Oncology Clinical Pharmacists in Light of the Oncology Workforce Study Journal of Oncology Practice 2017 6:5, 270-272		Not describing an outpatient clinic pharmacy service.
5	Michael W Rabow, Karen Schanche, Jane Petersen, Suzanne L Dibble, Stephen J McPhee, Patient perceptions of an outpatient palliative care intervention: “ <i>It had been on my mind before, but I did not know how to start talking about death...</i> ” Journal of Pain and Symptom Management 2003 26:5, 1010–1015		Not describing an outpatient clinic pharmacy service.

Supplemental table 2: Article Inclusion & Exclusion

Chemo-Radiotherapy search			
Search strategy: Refer to Supplemental table 1, Search 2			
Database:		Ref checking	
No.	Study	Included	Excluded with reason
1	Julianna A. Merten, Jamie F. Shapiro, Alison M. Gulbis, Kamakshi V. Rao, Joseph Bubalo, Scott Lanum Utilization of Collaborative Practice Agreements between Physicians and Pharmacists as a Mechanism to Increase Capacity to Care for Hematopoietic Stem Cell Transplant Recipients Biol Blood Marrow Transplant 19 (2013) 509e518		This systematic review contained 6 studies of which 4 were conducted before 2007, 1 was chemotherapy-only and 1 was previously captured in another search.
2	Sriram Yennurajalingam, Diana L. Urbauer, Katie L.B. Casper, Cielito C. Reyes-Gibby, Ray Chacko, Valerie Poulter, Eduardo Bruera, Impact of a Palliative Care Consultation Team on Cancer-Related Symptoms in Advanced Cancer Patients Referred to an Outpatient Supportive Care Clinic Journal of Pain and Symptom Management 2011, 41:1, Pages 49–56	Included	
3	Arakawa-Todo M, Yoshizawa T, Zennami K, et al. Management of adverse events in patients with metastatic renal cell carcinoma treated with sunitinib and clinical outcomes. Anticancer Res. 2013;33:5043-5050.	Included	
4	Caracuel F, Baños Ú, Herrera MD, Ramírez G, Muñoz N. Influence of pharmaceutical care on the delayed emesis associated with chemotherapy. Int J Clin Pharm. 2014;36:287-290.	Included	
5	Hansen EA, Pietkiewicz JM, Blum BL. Evaluation of the feasibility and utility of a pharmacist-centered collaborative drug therapy management program for oncology-based symptom management. J Pharm Pract. 2016;29:206-211.	Included	
6	Liekweg A, Westfeld M, Braun M, Zivanovic O, Schink T, Kuhn W et al Pharmaceutical care for patients with breast and ovarian cancer Support Care Cancer 2012 20:2669-2677	Included	