

Emerge Publications list 2020 - 2016

Safe and Quality medicines

2020

Mac Avin M, Teeling M, Bennett K. (2020). **Trends in attention-deficit and hyperactivity disorder (ADHD) medications among children and young adults in Ireland: a repeated cross-sectional study from 2005 to 2015.** *BMJ Open*. 2020 April 22;10. e035716. 10.1136/bmjopen-2019-035716. DOI: 10.1136/bmjopen-2019-035716
<https://bmjopen.bmj.com/content/10/4/e035716>

Tecklenborg S, Byrne C, Cahir C, Brown L, Bennett K. **Interventions to Reduce Adverse Drug Event-Related Outcomes in Older Adults: A Systematic Review and Meta-analysis.** *Drugs Aging*. 2020 Feb;37(2):91-98. doi: 10.1007/s40266-019-00738-w. Review. Erratum in: *Drugs Aging*. 2020 Jan 27;:. PubMed PMID: 31919801.
<https://europepmc.org/article/med/31919801>

2019

Moriarty F, Bennett K, Kenny RA, Fahey T, Cahir C. **Comparing Potentially Inappropriate Prescribing Tools and Their Association With Patient Outcomes.** *J Am Geriatr Soc*. 2020 Mar;68(3):526-534. doi: 10.1111/jgs.16239. Epub 2019 Nov 1. PubMed PMID: 31675114.
<https://www.ncbi.nlm.nih.gov/pubmed/31675114>

Walsh CA, Cahir C, Tecklenborg S, Byrne C, Culbertson MA, Bennett KE. **The association between medication non-adherence and adverse health outcomes in ageing populations: A systematic review and meta-analysis.** *Br J Clin Pharmacol*. 2019 Nov;85(11):2464-2478. doi: 10.1111/bcp.14075. Epub 2019 Sep 6. Review. PubMed PMID: 31486099; PubMed Central PMCID: PMC6848955.
<https://www.ncbi.nlm.nih.gov/pubmed/31486099>

Byrne CJ, Walsh C, Cahir C, Bennett K. **Impact of drug burden index on adverse health outcomes in Irish community-dwelling older people: a cohort study.** *BMC Geriatr*. 2019 Apr 29;19(1):121. doi: 10.1186/s12877-019-1138-7. PubMed PMID:31035946.
<https://bmgeriatr.biomedcentral.com/articles/10.1186/s12877-019-1138-7>

Cahir C, Wallace E, Cummins A, Teljeur C, Byrne C, Bennett K, Fahey T. **Identifying Adverse Drug Events in Older Community-Dwelling Patients.** Ann Fam Med. 2019 Mar;17(2):133-140. doi: 10.1370/afm.2359. PubMed PMID: 30858256; PubMed Central PMCID: PMC6411408. <https://www.ncbi.nlm.nih.gov/pubmed/30858256>
<http://www.annfammed.org/content/17/2/133.full.pdf>

McDowell RD, Bennett K, Moriarty F, Clarke S, Barry M, Fahey T. **Prescriber Variation in Relation to Prescribing Trends within the Preferred Drugs Initiative in Ireland (2012-2015): An Interrupted Time-Series Study Using Latent Curve Models.** Med Decis Making. 2019 Apr;39(3):278-293. doi: 10.1177/0272989X18818165. Epub 2019 Feb 9. PubMed PMID: 30741086. <https://www.ncbi.nlm.nih.gov/pubmed/30741086>

Moriarty F, Cahir C, Bennett K, Fahey T. **Economic impact of potentially inappropriate prescribing and related adverse events in older people: a cost-utility analysis using Markov models.** BMJ Open. 2019 Jan 30;9(1):e021832. doi: 10.1136/bmjopen-2018-021832. PubMed PMID: 30705233; PubMed Central PMCID: PMC6359741. <https://www.ncbi.nlm.nih.gov/pubmed/30705233>
<https://bmjopen.bmj.com/content/9/1/e021832>

Kennedy C, Duggan E, Bennett K, Williams DJ. **Rates of reported codeine-related poisonings and codeine prescribing following new national guidance in Ireland.** Pharmacoepidemiol Drug Saf. 2019 Jan;28(1):106-111. doi: 10.1002/pds.4725. Epub 2019 Jan 9. PubMed PMID: 30623512. <https://www.ncbi.nlm.nih.gov/pubmed/30623512>

Healy P, McCrone L, Tully R, Flannery E, Flynn A, Cahir C, Arumugasamy M, Walsh T. **Virtual outpatient clinic as an alternative to an actual clinic visit after surgical discharge: A randomised controlled trial.** BMJ Qual Saf 2019;28:24-31. <https://www.ncbi.nlm.nih.gov/pubmed/30291181>

2018

Moriarty F, Bennett K, Fahey T. **Fixed-dose combination antihypertensives and risk of medication errors.** Heart. 2019 Feb;105(3):204-209. doi:10.1136/heartjnl-2018-313492. Epub 2018 Aug 2. PubMed PMID: 30072364; PubMed Central PMCID: PMC6388906. <https://www.ncbi.nlm.nih.gov/pubmed/30072364>

Barry E, Moriarty F, Boland F, Bennett K, Smith SM. **The PIPc Study-application of indicators of potentially inappropriate prescribing in children (PIPc) to a national prescribing database in Ireland: a cross-sectional prevalence study.** *BMJ Open.* 2018 Oct 21;8(10):e022876. doi:10.1136/bmjopen-2018-022876. PubMed PMID: 30344174; PubMed Central PMCID:PMC6196813. <https://bmjopen.bmj.com/content/8/10/e022876>

Byrne CJ, Walsh C, Cahir C, Ryan C, Williams DJ, Bennett K. **Anticholinergic and sedative drug burden in community-dwelling older people: a national database study.** *BMJ Open.* 2018 Jul 6;8(7):e022500. doi: 10.1136/bmjopen-2018-022500. PubMed PMID: 29982221; PubMed Central PMCID: PMC6045724. <https://bmjopen.bmj.com/content/8/7/e022500>

Richardson K, Fox C, Maidment I, Steel N, Loke YK, Arthur A, Myint PK, Grossi CM, Mattishent K, Bennett K, Campbell NL, Boustani M, Robinson L, Brayne C, Matthews FE, Savva GM. **Anticholinergic drugs and risk of dementia: case-control study.** *BMJ.* 2018 Apr 25;361:k1315. doi: 10.1136/bmj.k1315. PubMed PMID: 29695481; PubMed Central PMCID: PMC5915701. <https://www.ncbi.nlm.nih.gov/pubmed/29695481>

McDowell R, Bennett K, Moriarty F, Clarke S, Barry M, Fahey T. **An evaluation of prescribing trends and patterns of claims within the Preferred Drugs Initiative in Ireland (2011-2016): an interrupted time-series study.** *BMJ Open.* 2018 Apr 20;8(4):e019315. doi: 10.1136/bmjopen-2017-019315. PubMed PMID: 29678966; PubMed Central PMCID: PMC5914712. <https://www.ncbi.nlm.nih.gov/pubmed/29678966>

Cadogan CA, Ryan C, Cahir C, Bradley CP, Bennett K. **Benzodiazepine and Z-drug prescribing in Ireland: analysis of national prescribing trends from 2005 to 2015.** *Br J Clin Pharmacol.* 2018 Jun;84(6):1354-1363. doi: 10.1111/bcp.13570. Epub 2018 Apr 16. PubMed PMID: 29488252; PubMed Central PMCID: PMC5980334. <https://www.ncbi.nlm.nih.gov/pubmed/29488252>

Teeling M, MacAvin MJ, Bennett K. **Impact of safety warnings on domperidone prescribing in Ireland.** *Ir J Med Sci.* 2018 May;187(2):281-285. doi:10.1007/s11845-017-1657-1. Epub 2017 Jul 20. PubMed PMID: 28730460. <https://www.ncbi.nlm.nih.gov/pubmed/28730460>

2017

Moriarty F, Cahir C, Bennett K, Hughes CM, Kenny RA, Fahey T. **Potentially inappropriate prescribing and its association with health outcomes in middle-aged people: a prospective cohort study in Ireland.** *BMJ Open.* 2017 Oct 16;7(10):e016562. doi: 10.1136/bmjopen-2017-016562. PubMed PMID: 29042380; PubMed Central PMCID: PMC5652466.
<https://www.ncbi.nlm.nih.gov/pubmed/29042380>

Sinnott SJ, Bennett K, Cahir C. **Pharmacoepidemiology resources in Ireland-an introduction to pharmacy claims data.** *Eur J Clin Pharmacol.* 2017 Nov;73(11):1449-1455. doi: 10.1007/s00228-017-2310-7. Epub 2017 Aug 17. Erratum in: *Eur J Clin Pharmacol.* 2017 Nov;73(11):1457. PubMed PMID: 28819675; PubMed Central PMCID: PMC5662670.
<https://www.ncbi.nlm.nih.gov/pubmed/28819675>

Byrne CJ, Cahir C, Curran C, Bennett K. **High-risk prescribing in an Irish primary care population: trends and variation.** *Br J Clin Pharmacol.* 2017 Dec;83(12):2821-2830. doi: 10.1111/bcp.13373. Epub 2017 Aug 16. PubMed PMID: 28701029; PubMed Central PMCID: PMC5698567. <https://www.ncbi.nlm.nih.gov/pubmed/28701029>

Cahir C, Curran C, Byrne C, Walsh C, Hickey A, Williams DJ, Bennett K. **Adverse Drug reactions in an Ageing PopulaTion (ADAPT) study protocol: a cross-sectional and prospective cohort study of hospital admissions related to adverse drug reactions in older patients.** *BMJ Open.* 2017 Jun 9;7(6):e017322. doi: 10.1136/bmjopen-2017-017322. PubMed PMID: 28600381; PubMed Central PMCID:PMC5726049.
<https://www.ncbi.nlm.nih.gov/pubmed/28600381>

Murphy ME, Bennett K, Fahey T, Smith SM. **Geographical variation in anti-diabetic prescribing in Ireland in 2013 and 2014: a cross-sectional analysis.** *Fam Pract.* 2017 Sep 1;34(5):587-592. doi: 10.1093/fampra/cmz036. PubMed PMID: 28472488.
<https://www.ncbi.nlm.nih.gov/pubmed/28472488>

Wallace E, McDowell R, Bennett K, Fahey T, Smith SM. **Impact of Potentially Inappropriate Prescribing on Adverse Drug Events, Health Related Quality of Life and Emergency Hospital Attendance in Older People Attending General Practice: A Prospective Cohort Study.** *J Gerontol A Biol Sci Med Sci.* 2017 Feb;72(2):271-277. doi: 10.1093/gerona/glw140. Epub 2016 Jul 27. PubMed PMID: 27466245; PubMed Central PMCID: PMC5233913.
<https://www.ncbi.nlm.nih.gov/pubmed/27466245>

2016

Moriarty F, Bennett K, Cahir C, Fahey T. **Characterizing Potentially Inappropriate Prescribing of Proton Pump Inhibitors in Older People in Primary Care in Ireland from 1997 to 2012.** J Am Geriatr Soc. 2016 Dec;64(12):e291-e296.doi: 10.1111/jgs.14528. Epub 2016 Nov 7. PubMed PMID: 27996115. <https://www.ncbi.nlm.nih.gov/pubmed/27996115>

O'Dwyer M, Maidment ID, Bennett K, Peklar J, Mulryan N, McCallion P, McCarron M, Henman MC. **Association of anticholinergic burden with adverse effects in older people with intellectual disabilities: an observational cross-sectional study.** Br J Psychiatry. 2016 Dec;209(6):504-510. Epub 2016 Sep 22. PubMed PMID: 27660331. <https://www.ncbi.nlm.nih.gov/pubmed/27660331>

Barry E, O'Brien K, Moriarty F, Cooper J, Redmond P, Hughes CM, Bennett K, Fahey T, Smith SM; PIPc Project Steering group. **PIPc study: development of indicators of potentially inappropriate prescribing in children (PIPc) in primary care using a modified Delphi technique.** BMJ Open. 2016 Sep 6;6(9):e012079. doi: 10.1136/bmjopen-2016-012079. PubMed PMID: 27601499; PubMed Central PMCID:PMC5020844. <https://www.ncbi.nlm.nih.gov/pubmed/27601499>

Moriarty F, Bennett K, Cahir C, Kenny RA, Fahey T. **Potentially inappropriate prescribing according to STOPP and START and adverse outcomes in community-dwelling older people: a prospective cohort study.** Br J Clin Pharmacol. 2016 Sep;82(3):849-57. doi: 10.1111/bcp.12995. Epub 2016 Jun 9. PubMed PMID: 27136457; PubMed Central PMCID: PMC5338119. <https://www.ncbi.nlm.nih.gov/pubmed/27136457>

Murphy S, Bennett K, Doherty CP. **Prescribing trends for sodium valproate in Ireland.** Seizure. 2016 Mar;36:44-48. doi: 10.1016/j.seizure.2016.01.019. Epub 2016 Feb 18. PubMed PMID: 26896815. <https://www.ncbi.nlm.nih.gov/pubmed/26896815>

Cooper JA, Moriarty F, Ryan C, Smith SM, Bennett K, Fahey T, Wallace E, Cahir C, Williams D, Teeling M, Hughes CM. **Potentially inappropriate prescribing in two populations with differing socio-economic profiles: a cross-sectional database study using the PROMPT criteria.** Eur J Clin Pharmacol. 2016 May;72(5):583-91. doi: 10.1007/s00228-015-2003-z.

Epub 2016 Jan 28. PubMed PMID: 26820292; PubMed Central PMCID: PMC4834102.
<https://www.ncbi.nlm.nih.gov/pubmed/26820292>

Grimes RT, Bennett K, Canavan R, Tilson L, Henman MC. **The impact of initial antidiabetic agent and use of monitoring agents on prescription costs in newly treated type 2 diabetes: A retrospective cohort analysis.** Diabetes Res Clin Pract. 2016 Mar;113:152-9. doi: 10.1016/j.diabres.2015.12.020. Epub 2016 Jan 13. PubMed PMID: 26810270.
<https://www.ncbi.nlm.nih.gov/pubmed/26810270>

Duane S, Domegan C, Callan A, Galvin S, Cormican M, Bennett K, Murphy AW, Vellinga A. **Using qualitative insights to change practice: exploring the culture of antibiotic prescribing and consumption for urinary tract infections.** BMJ Open. 2016 Jan 11;6(1):e008894. doi: 10.1136/bmjopen-2015-008894. PubMed PMID:26754175; PubMed Central PMCID: PMC4716200. <https://www.ncbi.nlm.nih.gov/pubmed/26754175>

Grimes RT, Ensor J, Bennett K, Henman MC. **Use of cardiovascular medicines in newly treated type 2 diabetes patients: A retrospective cohort study in general practice.** Prim Care Diabetes. 2016 Aug;10(4):237-43. doi: 10.1016/j.pcd.2015.11.002. Epub 2015 Dec 1. PubMed PMID: 26654852. <https://www.ncbi.nlm.nih.gov/pubmed/26654852>

Vellinga A, Galvin S, Duane S, Callan A, Bennett K, Cormican M, Domegan C, Murphy AW. **Intervention to improve the quality of antimicrobial prescribing for urinary tract infection: a cluster randomized trial.** CMAJ. 2016 Feb 2;188(2):108-115. doi: 10.1503/cmaj.150601. Epub 2015 Nov 16. PubMed PMID:26573754; PubMed Central PMCID: PMC4732960.
<https://www.ncbi.nlm.nih.gov/pubmed/26573754>

Adherence from 2016 (red highlight overlap with breast cancer area)

2020

Walsh CA, Mucherino S, Orlando V et al. **Mapping the use of Group-Based Trajectory Modelling in medication adherence research: A scoping review protocol [version 1; peer review: awaiting peer review]**. HRB Open Res 2020, 3:25
(<https://doi.org/10.12688/hrbopenres.13056.1>)
<https://hrbopenresearch.org/articles/3-25/v1>

2019

Walsh CA, Cahir C, Bennett KE. **Association between adherence to antihypertensive medications and health outcomes in middle and older aged community dwelling adults; results from the Irish longitudinal study on ageing**. Eur J Clin Pharmacol. 2019 Jun 12. doi: 10.1007/s00228-019-02699-w. [Epub ahead of print] PubMed PMID: 31190134.
<https://www.ncbi.nlm.nih.gov/pubmed/31190134>

McLoughlin A, Bennett K, Cahir C. **Developing a model of the determinants of medication nonadherence in older community-dwelling patients**. Ann Behav Med. 2019 Mar 14. pii: kaz004. doi: 10.1093/abm/kaz004. [Epub ahead of print] PubMed PMID: 30870558.
<https://www.ncbi.nlm.nih.gov/pubmed/30870558>

McLoughlin, A, Bennett K, Cahir C. **Developing a model of the determinants of medication nonadherence in older community-dwelling patients**. Annals of Behavioral Medicine 2019. doi:10.1093/abm/kaz004. <https://europepmc.org/article/med/30870558>

2018

Cushen B, Sulaiman I, Greene G, MacHale E, Mokoka M, Reilly RB, Bennett K, Doyle F, van Boven JFM, Costello RW. **The Clinical Impact of Different Adherence Behaviors in Patients with Severe Chronic Obstructive Pulmonary Disease**. Am J Respir Crit Care Med. 2018 Jun 15;197(12):1630-1633. doi: 10.1164/rccm.201712-2469LE. PubMed PMID: 29351380.
<https://www.ncbi.nlm.nih.gov/pubmed/29351380>

Kim S, Bennett K, Wallace E, Fahey T, Cahir C. **Measuring medication adherence in older community-dwelling patients with multimorbidity.** Eur J Clin Pharmacol. 2018 Mar;74(3):357-364. doi: 10.1007/s00228-017-2388-y. Epub 2017 Dec 3. PubMed PMID: 29199370. <https://www.ncbi.nlm.nih.gov/pubmed/29199370>

Menditto E, Cahir C[§], Mercedes A, Bruzzese D, Plou B. P., Malo S, Costa E, Rubio F.G, Miguel A.G., Orlando V, Przemislav K, Prados-Torres, A. **Adherence to chronic medication in older populations: application of a common protocol among three European cohorts.** Patient Preference and Adherence, 2018:12 1975–1987 doi:10.2147/PPA.S164819 [§]Joint first author. <https://www.ncbi.nlm.nih.gov/pubmed/30323567>

2017

Rohde D, Merriman NA, Doyle F, Bennett K, Williams D, Hickey A. **Does cognitive impairment impact adherence? A systematic review and meta-analysis of the association between cognitive impairment and medication non-adherence in stroke.** PLoS One. 2017 Dec 8;12(12):e0189339. doi: 10.1371/journal.pone.0189339. eCollection 2017. Review. PubMed PMID: 29220386; PubMed Central PMCID: PMC5722379. <https://www.ncbi.nlm.nih.gov/pubmed/29220386>

Cahir C, Dombrowski SU, Kennedy MJ, Sharp L, Bennett K. **Developing and validating a theoretical measure of modifiable influences on hormonal therapy medication taking behaviour in women with breast cancer.** Psychol Health. 2017 Oct;32(10):1308-1326. doi: 10.1080/08870446.2017.1296151. Epub 2017 Feb 28. PubMed PMID: 28276740. <https://www.ncbi.nlm.nih.gov/pubmed/28276740>

Moran C, Doyle F, Sulaiman I, Bennett K, Greene G, Molloy GJ, Reilly RB, Costello RW, Mellon L. **The INCA(TM) (Inhaler Compliance Assessment(TM)): A comparison with established measures of adherence.** Psychol Health. 2017 Oct;32(10):1266-1287. doi: 10.1080/08870446.2017.1290243. Epub 2017 Feb 28. Erratum in: Psychol Health. 2017 Oct;32(10):i. PubMed PMID: 28276739. <https://www.ncbi.nlm.nih.gov/pubmed/28276739>

Cahir C, Barron TI, Sharp L, Bennett K. **Can demographic, clinical and treatment-related factors available at hormonal therapy initiation predict non-persistence in women with stage I-III breast cancer?** *Cancer Causes Control*. 2017 Mar;28(3):215-225. doi: 10.1007/s10552-017-0851-9. Epub 2017 Feb 16. PubMed PMID: 28210883. <https://www.ncbi.nlm.nih.gov/pubmed/28210883>

Menditto E, Orlanda V, Malo S, Pardos-Torres S, Cahir C (2017). **Measuring Medication Adherence in Health-Related Databases**. In: Costa E ed. *Adherence to medical plans for healthy and active ageing*. Nova: New York. Chapter 11 pp. 189-207 https://www.researchgate.net/publication/321681228_Measuring_medication_adherence_in_health-related_databases

2016

Menditto E, De Gea A.B, **Cahir C**, Marengoni A, Riegler S, Fico G, Costa E, Monaco A, Pecorelli S, Pani L, Prados-Torres A. Scaling up health knowledge at European level requires sharing integrated data: an approach for collection of database specification. *ClinicoEconomics and Outcomes Research*, 2016, 8, 253-265. PMID:27358570.

McGowan B, Bennett K, Silke C, Whelan B. Adherence and persistence to urate-lowering therapies in the Irish setting. *Clin Rheumatol*. 2016 Mar;35(3):715-21. doi: 10.1007/s10067-014-2823-8. Epub 2014 Nov 20. PubMed PMID: 25409858. <https://www.ncbi.nlm.nih.gov/pubmed/25409858>

Cancer Research from 2016

2019

2018

Madden JM, Duffy MJ, Zgaga L, Bennett K. **Trends in vitamin D supplement use in a general female and breast cancer population in Ireland: A repeated cross-sectional study**. *PLoS One*. 2018 Dec 13;13(12):e0209033. doi:10.1371/journal.pone.0209033. eCollection 2018. PubMed PMID: 30543699; PubMed Central PMCID: PMC6292595. <https://www.ncbi.nlm.nih.gov/pubmed/30543699>

Smith A, Mullooly M, Murphy L, Barron TI, Bennett K. **Associations between obesity, smoking and lymph node status at breast cancer diagnosis in the Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial**. *PLoS One*. 2018 Aug

29;13(8):e0202291. doi: 10.1371/journal.pone.0202291. eCollection 2018. PubMed PMID: 30157224; PubMed Central PMCID: PMC6114724.
<https://www.ncbi.nlm.nih.gov/pubmed/30157224>

Madden JM, Murphy L, Zgaga L, Bennett K. **De novo vitamin D supplement use post-diagnosis is associated with breast cancer survival.** Breast Cancer Res Treat. 2018 Nov;172(1):179-190. doi: 10.1007/s10549-018-4896-6. Epub 2018 Jul 23. PubMed PMID: 30039288. <https://www.ncbi.nlm.nih.gov/pubmed/30039288>

Boland L, Bennett K, Connolly D. **Self-management interventions for cancer survivors: a systematic review.** Support Care Cancer. 2018 May;26(5):1585-1595. doi: 10.1007/s00520-017-3999-7. Epub 2017 Dec 4. PubMed PMID: 29199362.
<https://www.ncbi.nlm.nih.gov/pubmed/29199362>

2017

Smith A, Murphy L, Zgaga L, Barron TI, Bennett K. **Pre-diagnostic statin use, lymph node status and mortality in women with stages I-III breast cancer.** Br J Cancer. 2017 Aug 8;117(4):588-596. doi: 10.1038/bjc.2017.227. Epub 2017 Jul 18. PubMed PMID: 28720842; PubMed Central PMCID: PMC5558692. <https://www.ncbi.nlm.nih.gov/pubmed/28720842>

Murphy L, Brown C, Smith A, Cranfield F, Sharp L, Visvanathan K, Bennett K, Barron TI. **End-of-life prescribing of aspirin in patients with breast or colorectal cancer.** BMJ Support Palliat Care. 2019 Mar;9(1):e6. doi:10.1136/bmjspcare-2017-001370. Epub 2017 Aug 24. PubMed PMID: 28838931. <https://www.ncbi.nlm.nih.gov/pubmed/28838931>

Cahir C, Thomas AA, Dombrowski SU, Bennett K, Sharp L. **Urban-Rural Variations in Quality-of-Life in Breast Cancer Survivors Prescribed Endocrine Therapy.** Int J Environ Res Public Health. 2017 Apr 7;14(4). pii: E394. doi:10.3390/ijerph14040394. PubMed PMID: 28387748; PubMed Central PMCID: PMC5409595. <https://www.ncbi.nlm.nih.gov/pubmed/28387748>

Cahir C, Dombrowski SU, Kennedy MJ, Sharp L, Bennett K. **Developing and validating a theoretical measure of modifiable influences on hormonal therapy medication taking**

behaviour in women with breast cancer. Psychol Health. 2017Oct;32(10):1308-1326. doi: 10.1080/08870446.2017.1296151. Epub 2017 Feb 28. PubMed PMID: 28276740.
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Cahir C, Barron TI, Sharp L, Bennett K. **Can demographic, clinical and treatment-related factors available at hormonal therapy initiation predict non-persistence in women with stage I-III breast cancer?** Cancer Causes Control. 2017 Mar;28(3):215-225. doi: 10.1007/s10552-017-0851-9. Epub 2017 Feb 16. PubMed PMID: 28210883.
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2016

Cardwell CR, Pottegård A, Vaes E, Garmo H, Murray LJ, Brown C, Vissers PA, O'Rourke M, Visvanathan K, Cronin-Fenton D, De Schutter H, Lambe M, Powe DG, van Herk-Sukel MP, Gavin A, Friis S, Sharp L, Bennett K. **Propranolol and survival from breast cancer: a pooled analysis of European breast cancer cohorts.** Breast Cancer Res. 2016 Dec 1;18(1):119. PubMed PMID: 27906047; PubMed Central PMCID: PMC5133766.
<https://www.ncbi.nlm.nih.gov/pubmed/27906047>

Smith A, Murphy L, Sharp L, O'Connor D, Gallagher WM, Bennett K, Barron TI. **De novo post-diagnosis statin use, breast cancer-specific and overall mortality in women with stage I-III breast cancer.** Br J Cancer. 2016 Aug 23;115(5):592-8. doi: 10.1038/bjc.2016.232. Epub 2016 Aug 2. PubMed <https://www.ncbi.nlm.nih.gov/pubmed/27482648>

Brown C, Barron TI, Bennett K, MacDonald D, Dwane F, Sharp L. **Generalisability of pharmacoepidemiological studies using restricted prescription data.** Ir J Med Sci. 2016 Aug;185(3):723-7. doi: 10.1007/s11845-015-1360-z. Epub 2015 Oct 6. PubMed PMID: 26443746. <https://www.ncbi.nlm.nih.gov/pubmed/26443746>

Epidemiological/economic modelling & methods from 2016

2020

Marasigan V, Perry I, Bennett K, Balanda K, Capewell S, O' Flaherty M, Kabir Z. **Explaining the fall in Coronary Heart Disease mortality in the Republic of Ireland between 2000 and 2015 - IMPACT modelling study.** Int J Cardiol. 2020 Mar 31. doi: 10.1016/j.ijcard.2020.03.067. PubMed PMID: 32276770
[https://www.internationaljournalofcardiology.com/article/S0167-5273\(19\)34157-9/pdf](https://www.internationaljournalofcardiology.com/article/S0167-5273(19)34157-9/pdf)

2019

Merriman NA, Sexton E, McCabe G, Walsh ME, Rohde D, Gorman A, Jeffares I, Donnelly NA, Pender N, Williams DJ, Horgan F, Doyle F, Wren MA, Bennett KE, Hickey A. **Addressing cognitive impairment following stroke: systematic review and meta-analysis of non-randomised controlled studies of psychological interventions.** BMJ Open. 2019 Feb 27;9(2):e024429. PubMed PMID: 30819706
<https://www.ncbi.nlm.nih.gov/pubmed/30819706>

Richardson K, Mattishent K, Loke YK, Steel N, Fox C, Grossi CM, Bennett K, Maidment I, Boustani M, Matthews FE, Myint PK, Campbell NL, Brayne C, Robinson L, Savva GM. **History of Benzodiazepine Prescriptions and Risk of Dementia: Possible Bias Due to Prevalent Users and Covariate Measurement Timing in a Nested Case-Control Study.** Am J Epidemiol. 2019 Mar 27. pii: kwz073. doi: 10.1093/aje/kwz073. [Epub ahead of print] PubMed PMID: 31111865. <https://www.ncbi.nlm.nih.gov/pubmed/31111865>

2018

Moriarty F, Cahir C, Bennett K, Fahey T. **Economic impact of potentially inappropriate prescribing and related adverse events in older people: a cost-utility analysis using Markov models.** BMJ Open. 2019 Jan 30;9(1):e021832. doi: 10.1136/bmjopen-2018-021832. PubMed PMID: 30705233; PubMed Central PMCID: PMC6359741.
<https://www.lenus.ie/handle/10147/624097>

van Boven JFM, Cushen B, Sulaiman I, Greene G, MacHale E, Mokoka MC, Doyle F, Reilly RB, Bennett K, Costello RW. **Personalising adherence-enhancing interventions using a smart inhaler in patients with COPD: an exploratory cost-effectiveness analysis.** NPJ Prim Care

Respir Med. 2018 Jun 27;28(1):24. doi: 10.1038/s41533-018-0092-8. PubMed PMID: 29950601; PubMed Central PMCID: PMC6021429.
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2017

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DISSEMINATION- 2016 TO DATE

Publications: Peer Reviewed Abstracts

2019

1. Walsh C, Cahir C, Byrne C, Culbertson M.A. Bennett K. The impact of medication non-adherence on adverse health outcomes in ageing populations: a systematic review and meta-analysis. 35th International Conference on Pharmacoepidemiology and Therapeutic Risk Management 2019, Philadelphia, USA , August 24th -28th 2019 (Symposium oral presentation).
2. Walsh C, Cahir C, Byrne C, Culbertson M.A. Bennett K. The impact of medication non-adherence on adverse health outcomes in ageing populations: a systematic review and meta-analysis. 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management 2019 mid-year meeting, Rome, Italy , April 6th - 9th 2019 (Poster presentation).
3. Walsh C, Cahir C, Byrne C, Culbertson M.A. Bennett K. The impact of medication non-adherence on adverse health outcomes in ageing populations: a systematic review and meta-analysis. SPHeRE Network 5th Annual conference, RCSI, 26th February 2018 (Oral presentation).

2018

1. McLoughlin A, Bennett K, Cahir C. Developing a model of the determinants of medication adherence in older community dwelling patients. ESPACOMP (European Society for Patient Adherence Compliance and Persistence) Meeting, Dublin, Ireland, 29th November- 1st December 2018 (Oral Presentation).
2. Walsh C, Cahir C, Bennett K. Association between antihypertensive medication adherence and subsequent healthcare utilisation in ageing adults: results The Irish Longitudinal Study On Ageing. ESPACOMP (European Society for Patient Adherence Compliance and Persistence) Meeting, Dublin, Ireland, 29th November- 1st December 2018 (Oral Presentation).

3. Cadogan C, Ryan C, Cahir C, Bradley C, Bennett K. Benzodiazepine and Z-drug prescribing in Ireland: a repeated cross-sectional study of national prescribing trends over an 11 year period. Translating Health & Social Care Professions Research into Policy & Practice, Dublin, Ireland, 14th November 2018 (Poster presentation).
4. Cahir C, Dombrowski S.U., Sharp L, Bennett K. Developing a model of theory based behavioural influences on endocrine therapy medication taking behaviour in women with breast cancer. 15th International Congress of Behavioural Medicine, Santiago, Chile, November 14th-17th 2018 (Symposium oral presentation).
5. Flynn J, Noone C, Morrissey E, Bennett K, Cahir C, Molloy G. Examining the moderating effect of conscientiousness on the relationship between prospective memory and medication adherence. 32nd Annual Conference of the European Health Psychology Society, Galway, Ireland, August 21st-25th 2018 (Poster presentation).
6. Cahir C, Dombrowski S.U., Sharp L, Bennett K. Developing a model of theory based behavioural influences on endocrine therapy medication taking behaviour in women with breast cancer. 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Prague, Czech Republic , August 22-26 2018 (Oral presentation)
7. Walsh C, Cahir C, Bennett K. The association between adherence to antihypertensive medications and subsequent healthcare utilisation in the ageing community dwelling adults: results from wave one of The Irish Longitudinal stuDy on Ageing (Tilda). 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Prague, Czech Republic , August 22-26 2018 (Poster presentation)
8. Walsh C, Cahir C, Bennett K. The association between statin medication adherence and subsequent healthcare utilisation in ageing community dwelling adults: results from The Irish Longitudinal stuDy On Ageing (Tilda). 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Prague, Czech Republic , August 22-26 2018 (Poster presentation)
9. Byrne C, Walsh C, Cahir C, Bennett K. Impact of Drug Burden Index on adverse health outcomes in Irish community-dwelling older people: a cohort study. 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Prague, Czech Republic , August 22-26 2018 (Poster presentation)
10. Byrne C, Walsh C, Cahir C, Ryan C, Williams D, Bennett K. Anticholinergic and sedative drug burden in Irish community-dwelling older people: a cross-sectional national database study. 34th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Prague, Czech Republic , August 22-26 2018 (Poster presentation)
11. Cadogan C, Ryan C, Cahir C, Bradley C, Bennett K. Benzodiazepine and Z-drug prescribing in Ireland: a repeated cross-sectional study of national prescribing trends over an 11 year period. Health Services Research & Pharmacy Practice conference, Newcastle, UK, 12th-13th April 2018 (Oral presentation).

12. Kim S, Bennett K, Wallace E, Fahey T, Cahir C. Measuring medication adherence in older community-dwelling patients with multimorbidity. ICHAMS: International Conference for Healthcare and Medical Students, RCSI, 15-17th February 2018.(Poster presentation).
13. Byrne, C., Walsh, C., Cahir, C., Ryan, C., Williams, DJ., Bennett, K. Anticholinergic and sedative drug burden in Irish community-dwelling older people: a cross-sectional national pharmacy claims database study. PRIMM, 29th Annual Scientific Meeting, London, UK, 26th January 2018.

2017

1. Cahir C, Dombrowski S.U., O'Connor J, Sharp L, Bennett K. Examining modifiable theory based influences on hormonal therapy medication taking behaviour in women with breast cancer. 13th UK Society of Behavioural Medicine, Liverpool, 13th–14th December 2016 (Oral prize giving presentation).
2. June N.F.W., Hong A.B., Sharp L, Bennett K., Cahir C. Endocrine therapy medication taking behavior and quality of life in women with stage I to III breast cancer. 13th UK Society of Behavioural Medicine, Liverpool, 13th–14th December 2016 (Oral presentation).
3. Cahir C, Dombrowski S.U., O'Connor J, Sharp L, Bennett K. Examining modifiable theory based influences on hormonal therapy medication taking behaviour in women with breast cancer. ESPACOMP (European Society for Patient Adherence Compliance and Persistence) Meeting, Budapest, Hungary, 30th November- 2nd December 2017 (Oral Presentation).
4. Menditto E, Cahir C, Aza M, Poblador P.B., Malo S, Bruzzese D, Rubio F.G, Kardas P, Prados-Torres, A. A snapshot of medication adherence across three European countries: application of common methodology. ESPACOMP Meeting, Budapest, Hungary, 30th November- 2nd December 2017 (Oral Presentation).
5. Byrne, C., Walsh, C., Cahir, C., Ryan, C., Williams, D., Bennett, K. Anticholinergic and sedative drug burden in Irish community-dwelling older people: a cross-sectional national pharmacy claims database study. Irish Association of Pharmacology Meeting, Dublin, 24th November 2017.
6. Menditto E, Cahir C, Aza M, Poblador P.B., Malo S, Bruzzese D, Rubio F.G, Kardas P, Prados-Torres, A. A snapshot of medication adherence across three European countries: application of common methodology. EuroDURG Conference, Glasgow, Scotland 15th-17th November 2017 (Oral presentation).
7. Menditto E, Cahir C, Aza M, Poblador P.B., Malo S, Bruzzese D, Rubio F.G, Kardas P, Prados-Torres, A. A snapshot of medication adherence across three European countries: application of common methodology. ISPOR, 20th Annual European Congress, Glasgow, Scotland, 4th-8th November 2017 (Poster Presentation).
8. Bjerre LM, Halil R, Catley C, Ramsay T, Cahir C, Ryan C, Farrell B, Thavorn K, Ducharme R, Smith G, Hawken S, Gillespie U, Manuel DG. Identifying Potentially

- Inappropriate Prescribing (PIP) in whole populations: Coding of the STOPP/START and Beers criteria for use with large, routinely collected population datasets 33rd International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Montreal, Canada, 26th-30th August 2016 (Poster presentation).
9. Bjerre LM, Halil R, Catley C, Ramsay T, Cahir C, Ryan C, Farrell B, Thavorn K, Ducharme R, Smith G, Hawken S, Gillespie U, Manuel DG Assessing the association between potentially inappropriate prescriptions and patient outcomes at the population level: Application of the STOPP/START and Beers criteria for use with large, routinely collected population datasets. 33rd International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Montreal, Canada, 26th-30th August 2016 (Poster presentation).
 10. Moriarty F, Bennett K, Cahir C, Fahey T. Economic impact of potentially inappropriate prescribing in older people: a Markov modelling study Health Services Research & Pharmacy Practice conference, Nottingham, UK, 9th-10th April 2017 (Oral presentation).
 11. Cahir C, Dombrowski S.U., Kennedy M.J., Sharp L, Bennett K. Developing and validating a theoretical measure of modifiable influences on hormonal therapy medication taking behaviour. 14th Annual Psychology, Health & Medicine Conference, RCSI, 3rd March 2017 (Oral presentation).
 12. Fong Wan June N, Bennett K, Dombrowski S.U., Sharp L, Cahir C. Hormonal therapy medication taking behaviour (MTB) and side-effects in women with stage I to III breast cancer in Ireland. ICHAMS: International Conference for Healthcare and Medical Students, RCSI, 17th February 2017 (Oral presentation).
 13. Hong Bee A, Bennett K, Dombrowski S.U., Sharp L, Cahir C. Hormonal therapy medication taking behaviour and health related quality of life in women with stage I to III breast cancer in Ireland. ICHAMS: International Conference for Healthcare and Medical Students, RCSI, 17th February 2017 (Poster presentation).
 14. Moriarty F, Bennett K, Cahir C, Fahey T. Economic impact of potentially inappropriate prescribing in older people in Ireland; a Markov model study. SPHeRE Network 3rd Annual conference, RCSI, 12th January 2017 (Oral presentation).
 15. Moriarty F, Bennett K, Cahir C, Fahey T. Characterising potentially inappropriate prescribing of proton pump inhibitors in older people in primary care from 1997 to 2012 in Ireland. SPHeRE Network 3rd Annual conference, RCSI, 12th January 2017 (Poster presentation).

2016

1. Cahir C, Dombrowski S.U., Kennedy M.J., Sharp L, Bennett K. Developing and validating a theoretical measure of modifiable influences on hormonal therapy

- medication taking behaviour. International Society of Behavioural Medicine, Australia, 7th-10th December 2016 (Oral presentation).
2. Cahir C, Dombrowski S.U., Kennedy M.J., Sharp L, Bennett K. Developing and validating a theoretical measure of modifiable influences on hormonal therapy medication taking behaviour. 12th UK Society of Behavioural Medicine, Cardiff, 1st – 2nd December 2016 (Oral presentation).
 3. Bjerre LM, Ramsay T, Cahir C, Ryan C, Halil R, Farrell B, Thavorn K, Catley C, Hawken S, Gillespie U, Manuel DG Assessing Potentially Inappropriate Prescribing (PIP) and predicting patient outcomes in Ontario's older population -- a population-based cohort study applying subsets of the STOPP/START and Beers criteria in large health administrative databases.). North American Primary Care Research Group (NAPCRG), Colorado, USA, 12th – 16th November 2016 (Poster presentation).
 4. Moriarty F, Bennett K, Cahir C, Fahey T. Evaluating the economic impact of potentially inappropriate prescribing in older people in Ireland using a Markov modelling approach. International Society for Pharmacoeconomics and Outcomes Research (ISPOR), 19th Annual European Congress, Austria, 29th October- 2nd November 2016 (Poster presentation).
 5. Cahir C, Dombrowski S.U., Kennedy M.J., Sharp L, Bennett K. Developing and validating a theoretical measure of modifiable influences on hormonal therapy medication taking behaviour. International Psycho Oncology Society, Dublin, Ireland, 17-21st October 2016 (Poster presentation).
 6. Cahir C, Fahey T, Teljeur C, Bennett K. Medication taking behaviour and adverse health outcomes in community dwelling older patients. 32nd International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Dublin, Ireland, 25th-28th August 2016 (Oral presentation).
 7. Bennett K, Connolly M, Okoh P, Cahir C, MacAvin MJ. Outcomes associated with non-adherence to anti-hypertensives and statins in a national linked cohort study. 32nd International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Dublin, Ireland, 25th-28th August 2016 (Poster presentation).
 8. Moriarty F, Bennett K, Cahir C, Kenny R.A., Fahey T. The association between potentially inappropriate prescribing and functional decline and quality of life in older people: a cohort study. 32nd International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Dublin, Ireland, 25th-28th August 2016 (Poster presentation).
 9. Moriarty F, Bennett K, Cahir C, Kenny R.A., Fahey T. Potentially inappropriate prescribing according to STOPP and START and healthcare utilisation in older people: a cohort study. Society of Academic Primary Care, Dublin, Ireland, 6th-8th July 2016 (Oral presentation).
 10. Moriarty F, Bennett K, Cahir C, Kenny RA, Fahey T. Potentially inappropriate prescribing and healthcare utilisation in older people: a cohort study using marginal



- structural models. 21st Health Services Research and Pharmacy Practice Conference, University of Reading, 7th April 2016 (Best Oral presentation).
11. Moriarty F, Cooper J, Bennett K, Cahir C, Hughes CM, Fahey T. Potentially inappropriate prescribing (PIP) in two populations with differing socio-economic profiles: a cross-sectional database study using the PROMPT criteria. SPHeRE Network 2nd Annual conference, RCSI, 29th February 2016 (Oral presentation).