

GIOVANNI CORRAO



Nato a Torino il 23 ottobre 1953

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Posizione

Professore Ordinario di Statistica medica presso l'Università degli Studi di Milano-Bicocca

Carriera accademica e afferenze

Già Ricercatore Universitario presso l'Università di Torino dal 1984 al 1988 e Professore di seconda fascia presso l'Università di L'Aquila e l'Università di Milano dal 1988 al 1999, dal 1 ottobre 2000 è Professore Ordinario di Statistica Medica presso l'Università di Milano-Bicocca dove attualmente afferisce (Dipartimento di Statistica e Metodi Quantitativi, Sezione di Biostatistica, Epidemiologia e Sanità Pubblica)

Attività didattiche

Presso l'Università di Milano-Bicocca insegna nei seguenti Corsi di studio:

- Corso di laurea in Statistica e gestione delle informazioni (insegnamento di Statistica medica),
- Corso di laurea magistrale in Biostatistica (insegnamenti di Metodologia della ricerca clinica ed epidemiologica e Farmacoepidemiologia),
- Master in Ricerca e sviluppo preclinico e clinico dei farmaci (insegnamento di Farmacoepidemiologia),
- Master in Data management per la Ricerca Clinica (insegnamento di Studi osservazionali e farmacoepidemiologia),
- Master in Epidemiologia e Biostatistica per la Ricerca Clinica (insegnamento di Farmacoepidemiologia e Healthcare Research),

Insegna inoltre nei seguenti altri Atenei:

- Università di Cattolica del Sacro Cuore di Roma (Statistica Medica presso la Scuola di Specializzazione in Igiene e Medicina Preventiva)
- Università di Catania (Statistica Medica presso la Scuola di Specializzazione in Igiene e Medicina Preventiva)
- Università di Milano (Farmacoepidemiologia presso il Master in Farmacovigilanza)

- Università di Padova (Farmacoepidemiologia presso il Master in Farmacoepidemiologia e valutazione dei percorsi assistenziali)
- Università di Salerno (Biostatistica per la Ricerca Clinica presso il Master in Biostatistica)

Incarichi accademici e altre attività gestionali

Attualmente è:

- Direttore del Centro Interuniversitario *Healthcare Research & Pharmacoepidemiology*
- Presidente dell'Associazione tra Atenei Alta Scuola di Sanità Pubblica, Epidemiologia e Biostatistica
- Coordinatore del Corso di Laurea Magistrale in Biostatistica (dall'aa 2003/04 all'aa 2022/23)
- Presidente del Comitato Etico della Val Padana (dal novembre 2013 al maggio 2023)
- Founding Editor della rivista *Epidemiology, Biostatistics & Public Health* (dal gennaio 2011) rivista ufficiale della Società Italiana di Statistica medica ed Epidemiologia Clinica
- Statistics Editor della rivista *Atherosclerosis* (dal febbraio 2017) rivista ufficiale della European Atherosclerosis Society and affiliata a International Atherosclerosis Society

È stato:

- Direttore della Scuola di specializzazione in Statistica sanitaria (dal 1 novembre 1990 al 31 ottobre 1993, Università di L'Aquila),
- Coordinatore del Corso di laurea in "Statistica" (dal 1 ottobre 2001 al 30 settembre 2009, Università di Milano-Bicocca),
- Preside della Facoltà di Scienze Statistiche (dal 1 ottobre 2009 al 30 settembre 2012, Università di Milano Bicocca),
- Presidente della Società Italiana di Statistica Medica ed Epidemiologia Clinica (dal settembre 2007 all'ottobre 2009),
- Componente del Comitato Scientifico dell'Istituto Regionale di Ricerca (I.Re.R.) della Regione Lombardia (dal novembre 2009 al giugno 2011),
- Presidente del collegio nazionale dei professori e ricercatori universitari di Statistica medica (dal 2013 al 2017)

Attività scientifica e progetti di ricerca

Studia e approfondisce diversi aspetti della metodologia della ricerca clinica e l'applicazione dei metodi statistici agli studi osservazionali e sperimentali. Da oltre 15 anni gli interessi di ricerca sono prevalentemente indirizzati ai metodi per la valutazione dei sistemi socio-sanitari e l'appropriatezza delle prestazioni mediche. Negli ultimi 10 anni ha coordinato, e attualmente coordina per l'Università di Milano-Bicocca, numerosi progetti tra cui:

- Programmi internazionali finanziati dalla Comunità Europea: (a) ALERT Project: Early Detection of Adverse Drug Events by Integrative Mining of Clinical Records and Biomedical Knowledge; (b) SOS Project: Safety Of non-Steroidal anti-inflammatory drugs; SAFEGUARD Project: Safety Evaluation of Adverse Reactions in Diabetes; (c) JOINT

ACTION ON Health Information towards a sustainable EU health information system that supports country knowledge, health research and policy-making within the 3rd HEALTH PROGRAMME OF THE UNION'S ACTION IN THE FIELD OF HEALTH (2014-2020); INFAC program; (d) RESPOND: Improving the preparedness of health systems to reduce mental health and psychosocial concerns resulting from the COVID-19 pandemic (Horizon 2020)

- Ricerca indipendente sui farmaci finanziata dall'Agenzia Italiana del Farmaco: (a) BEST Project: Assessing the risk/benefit profile of bisphosphonates therapy in the secondary prevention of osteoporotic fractures; (b) Trattamento farmacologico nell'anziano con patologia cardiovascolare associata a malattie croniche: inappropriatezza prescrittiva e valutazione di esito nella popolazione istituzionalizzata e residente in comunità; (c) Progetto FABIO, Farmaci Biologici in Oncologia
- Programmi finanziati dal Ministero della Salute: (a) progetto FRAME: Flussi Regionali Automatizzati per il Monitoraggio dell'assistenza e la generazione di Evidenze scientifiche di indirizzo delle politiche sanitarie; (b) monitoraggio dei servizi di igiene mentale finanziato nell'ambito del Centro nazionale per la prevenzione e il controllo delle malattie; (c) monitoraggio e valutazione dei percorsi diagnostico-terapeutici assistenziali, promosso dalla Direzione programmazione del Ministero della Salute; (d) ricerca finalizzata di rete 2016 dal titolo Assessing care paths, effectiveness and cost-effectiveness from real world data; (e) ricerca finalizzata di rete 2018 dal titolo Personalized medicine program on myeloid neoplasm: characterization of the patients genome for clinical decision making and systematic collection of real world data to improve quality of health care

Allo stato attuale è inoltre impegnato nel coordinamento dei progetti denominati

- MOTIVE (Modelling effectiveness, cost-effectiveness and promoting health care value in the real world): Progetti PRIN; Ministero dell'Università
- Messa a punto di un Modello di valutazione della qualità nei percorsi di gestione integrate per alcune condizioni di cronicità: Convenzione con Regione Siciliana
- CHANCE (Chronic diseases management after the CoViD-19 epidemic trigger. Capturing data, generating evidence, suggesting actions for health protection): Fondazione CARIPO

L'attività di ricerca in questo settore di interesse ha consentito la preparazione del volume:

Giovanni Corrao. Real World Evidence: Buone pratiche della ricerca basata sull'osservazione del mondo reale. Il pensiero Scientifico Editore, 2019

Nel periodo marzo 2020 al novembre 2020 l'attività di ricerca è stata quasi interamente dedicata allo studio di diversi aspetti della pandemia, tra gli altri la diffusione epidemica (anche mediante modelli statistici), la stratificazione del rischio di manifestazioni cliniche severe/fatali dell'infezione da SARS-CoV-2 (elaborando un algoritmo per l'identificazione dei soggetti più fragili da trattare in via prioritaria). Collabora stabilmente con il Ministero della Salute (Direzione Programmazione), l'Istituto Superiore di Sanità, l'Agenzia del Farmaco, e con le direzioni sanitarie di numerose regioni (Lombardia, Sicilia, Sardegna, Campania, Puglia, Marche, Emilia Romagna, Toscana, Vall'd'Aosta, Friuli Venezia Giulia).

La produzione scientifica è documentata da 466 pubblicazioni internazionali indicizzate in MEDLINE/PUBMED. Nel complesso queste pubblicazioni sono citate 31,206 volte e l'indice H di Hirsch risulta pari a 84 (Google Scholar, 10 giugno 2021).

In allegato alcune pubblicazioni dal 2016 ad oggi sui temi di prevalente interesse.

Giovanni Corrao

Methods and evidence about the topics

“Healthcare Research & Pharmacoepidemiology”

Papers on indexed Journals 2004 – 2023

Cardiovascular diseases

Ronco R, Rea F, Filippelli A, Maggioni AP, Corrao G. Sex-Related Differences in Outpatient Healthcare of Acute Coronary Syndrome: Evidence from an Italian Real-World Investigation. *J Clin Med.* 2023 Apr 19;12(8):2972

Rea F, Morabito G, Savaré L, Corrao G, Mancía G. The impact of renal denervation procedure on use of antihypertensive drugs in the real-life setting. *Blood Press.* 2022 Dec;31(1):245-253

Savaré L, Rea F, Corrao G, Mancía G. Use of initial and subsequent antihypertensive combination treatment in the last decade: analysis of a large Italian database. *J Hypertens.* 2022 Sep 1;40(9):1768-1775

Rea F, Ronco R, Martini N, Maggioni AP, Corrao G. Cost-Effectiveness of Posthospital Management of Acute Coronary Syndrome: A Real-World Investigation From Italy. *Value Health.* 2022 Feb;25(2):185-193

Rea F, Iorio A, Barbati G, Bessi R, Castrichini M, Nuzzi V, Scagnetto A, Senni M, Corrao G, Sinagra G, Di Lenarda A. Patient adherence to drug treatment in a community based-sample of patients with chronic heart failure. *Int J Cardiol.* 2022 Feb 15;349:144-149

Rea F, Savaré L, Corrao G, Mancía G. Adherence to Lipid-Lowering Treatment by Single-Pill Combination of Statin and Ezetimibe. *Adv Ther.* 2021 Oct;38(10):5270-5285

Rea F, Biffi A, Ronco R, Franchi M, Cammarota S, Citarella A, Conti V, Filippelli A, Sellitto C, Corrao G. Cardiovascular Outcomes and Mortality Associated With Discontinuing Statins in Older Patients Receiving Polypharmacy. *JAMA Netw Open.* 2021 Jun 1;4(6):e2113186

Russo G, Rea F, Barbati G, Cherubini A, Stellato K, Scagnetto A, Iorio A, Corrao G, Di Lenarda A. Sex-related differences in chronic heart failure: a community-based study. *J Cardiovasc Med (Hagerstown).* 2021 Jan;22(1):36-44

Rea F, Savaré L, Franchi M, Corrao G, Mancía G. Adherence to Treatment by Initial Antihypertensive Mono and Combination Therapies. *Am J Hypertens.* 2021 Oct 27;34(10):1083-1091

Rea F, Mancía G, Corrao G. Statin treatment reduces the risk of death among elderly frail patients: evidence from a large population-based cohort. *Eur J Prev Cardiol.* 2022 Feb 3;28(17):1885-1894

Rea F, Ronco R, Pedretti RFE, Merlino L, Corrao G. Better adherence with out-of-hospital healthcare improved long-term prognosis of acute coronary syndromes: Evidence from an Italian real-world investigation. *Int J Cardiol.* 2020 Nov 1;318:14-20

Rea F, Cantarutti A, Merlino L, Ungar A, Corrao G, Mancia G. Antihypertensive Treatment in Elderly Frail Patients: Evidence From a Large Italian Database. *Hypertension*. 2020 Aug;76(2):442-449

Corrao G, Monzio Compagnoni M, Cantarutti A, Rea F, Merlino L, Catapano AL, Mancia G. Balancing cardiovascular benefit and diabetogenic harm of therapy with statins: Real-world evidence from Italy. *Diabetes Res Clin Pract*. 2020 Jun;164:108197

Olmastroni E, Boccalari MT, Tragni E, Rea F, Merlino L, Corrao G, Catapano AL, Casula M. Sex-differences in factors and outcomes associated with adherence to statin therapy in primary care: Need for customisation strategies. *Pharmacol Res*. 2020 May;155:104514

Ronco R, Corrao G. [Acute coronary syndrome: real-world data from the Lombardy Region]. *G Ital Cardiol (Rome)*. 2019 Oct;20(10 Suppl 2):e8-12

Rea F, Mella M, Monzio Compagnoni M, Cantarutti A, Merlino L, Mancia G, Corrao G. Women discontinue antihypertensive drug therapy more than men. Evidence from an Italian population-based study. *J Hypertens*. 2020 Jan;38(1):142-149

Rea F, Micieli G, Musicco M, Cavallini A, Santucci C, Merlino L, Ieva F, Ferrarese C, Corrao G. Adherence to recommendations and clinical outcomes of patients hospitalized for stroke: the role of the admission ward-a real-life investigation from Italy. *Neurol Sci*. 2019 Jul;40(7):1433-1442

Mancia G, Rea F, Corrao G, Grassi G. Two-Drug Combinations as First-Step Antihypertensive Treatment. *Circ Res*. 2019 Mar 29;124(7):1113-1123

Rea F, Corrao G, Merlino L, Mancia G. Initial Antihypertensive Treatment Strategies and Therapeutic Inertia. *Hypertension*. 2018 Oct;72(4):846-853

Iorio A, Rea F, Barbati G, Scagnetto A, Peruzzi E, Garavaglia A, Corrao G, Sinagra G, Di Lenarda A. HF progression among outpatients with HF in a community setting. *Int J Cardiol*. 2019 Feb 15;277:140-146

Rea F, Corrao G, Merlino L, Mancia G. Early cardiovascular protection by initial two-drug fixed-dose combination treatment vs. monotherapy in hypertension. *Eur Heart J*. 2018 Oct 21;39(40):3654-3661

Veronesi G, Zambon A, Beltrame JF, Gianfagna F, Corrao G, Ferrario MM. Monitoring quality of care in acute myocardial infarction patients using retrospective registry data. *Int J Qual Health Care*. 2018 Jun 1;30(5):344-350

Bettiol A, Lucenteforte E, Vannacci A, Lombardi N, Onder G, Agabiti N, Vitale C, Trifirò G, Corrao G, Roberto G, Mugelli A, Chinellato A; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Calcium Channel Blockers in Secondary Cardiovascular Prevention and Risk of Acute Events: Real-World Evidence from Nested Case-Control Studies on Italian Hypertensive Elderly. *Clin Drug Investig*. 2017 Dec;37(12):1165-1174

Corrao G, Monzio Compagnoni M, Franchi M, Cantarutti A, Pugni P, Merlino L, Catapano AL, Mancia G. Good adherence to therapy with statins reduces the risk of adverse clinical outcomes even among very elderly. Evidence from an Italian real-life investigation. *Eur J Intern Med*. 2018 Jan;47:25-31

Baldi I, Azzolina D, Berchiolla P, Gregori D, Scotti L, Corrao G. Comorbidity-adjusted relative survival in newly hospitalized heart failure patients: A population-based study. *Int J Cardiol*. 2017 Sep 15;243:385-388

Rea F, Bonassi S, Vitale C, Trifirò G, Cascini S, Roberto G, Chinellato A, Lucenteforte E, Mugelli A, Corrao G; I-GrADE investigators. Exposure to statins is associated to fracture risk reduction in elderly people with cardiovascular disease: evidence from the AIFA-I-GrADE observational project. *Pharmacoepidemiol Drug Saf.* 2017 Jul;26(7):775-784

Corrao G, Rea F, Monzio Compagnoni M, Merlino L, Mancina G. Protective effects of antihypertensive treatment in patients aged 85 years or older. *J Hypertens.* 2017 Jul;35(7):1432-1441

Corrao G, Rea F, Merlino L, Mazzola P, Annoni F, Annoni G. Management, prognosis and predictors of unfavourable outcomes in patients newly hospitalized for transient ischemic attack: a real-world investigation from Italy. *BMC Neurol.* 2017 Jan 19;17(1):12

Casula M, Scotti L, Tragni E, Merlino L, Corrao G, Catapano AL. Drug treatment and adherence of subjects <40 years with diagnosis of heterozygous familial hypercholesterolemia. *Atherosclerosis.* 2016 Nov;254:172-178

Casula M, Soranna D, Corrao G, Merlino L, Catapano AL, Tragni E. Statin use and risk of cataract: A nested case-control study within a healthcare database. *Atherosclerosis.* 2016 Aug;251:153-158

Corrao G, Mazzola P, Monzio Compagnoni M, Rea F, Merlino L, Annoni G, Mancina G. Antihypertensive Medications, Loop Diuretics, and Risk of Hip Fracture in the Elderly: A Population-Based Cohort Study of 81,617 Italian Patients Newly Treated Between 2005 and 2009. *Drugs Aging.* 2015 Nov;32(11):927-36

Corrao G, Rea F, Ghirardi A, Soranna D, Merlino L, Mancina G. Adherence with antihypertensive drug therapy and the risk of heart failure in clinical practice. *Hypertension.* 2015 Oct;66(4):742-9

Corrao G, Ghirardi A, Ibrahim B, Merlino L, Maggioni AP. Short- and long-term mortality and hospital readmissions among patients with new hospitalization for heart failure: A population-based investigation from Italy. *Int J Cardiol.* 2015 Feb 15;181:81-7

Corrao G, Soranna D, Arfè A, Casula M, Tragni E, Merlino L, Mancina G, Catapano AL. Are generic and brand-name statins clinically equivalent? Evidence from a real data-base. *Eur J Intern Med.* 2014 Oct;25(8):745-50

Corrao G, Soranna D, Merlino L, Mancina G. Similarity between generic and brand-name antihypertensive drugs for primary prevention of cardiovascular disease: evidence from a large population-based study. *Eur J Clin Invest.* 2014 Oct;44(10):933-9

Mancina G, Zambon A, Soranna D, Merlino L, Corrao G. Factors involved in the discontinuation of antihypertensive drug therapy: an analysis from real life data. *J Hypertens.* 2014 Aug;32(8):1708-15

Corrao G, Ghirardi A, Ibrahim B, Merlino L, Maggioni AP. Burden of new hospitalization for heart failure: a population-based investigation from Italy. *Eur J Heart Fail.* 2014 Jul;16(7):729-36

Corrao G, Soranna D, Casula M, Merlino L, Porcellini MG, Catapano AL. High-potency statins increase the risk of acute kidney injury: evidence from a large population-based study. *Atherosclerosis.* 2014 May;234(1):224-9

Corrao G, Soranna D, La Vecchia C, Catapano A, Agabiti-Rosei E, Gensini G, Merlino L, Mancina G. Medication persistence and the use of generic and brand-name blood pressure-lowering agents. *J Hypertens.* 2014 May;32(5):1146-53

Corrao G, Ibrahim B, Nicotra F, Zambon A, Merlino L, Pasini TS, Catapano AL, Mancina G. Long-term use of statins reduces the risk of hospitalization for dementia. *Atherosclerosis*. 2013 Oct;230(2):171-6

Scotti L, Baio G, Merlino L, Cesana G, Mancina G, Corrao G. Cost-effectiveness of enhancing adherence to therapy with blood pressure-lowering drugs in the setting of primary cardiovascular prevention. *Value Health*. 2013 Mar-Apr;16(2):318-24

Corrao G, Zambon A, Parodi A, Merlino L, Mancina G. Incidence of cardiovascular events in Italian patients with early discontinuations of antihypertensive, lipid-lowering, and antidiabetic treatments. *Am J Hypertens*. 2012 May;25(5):549-55

Corrao G, Nicotra F, Parodi A, Zambon A, Heiman F, Merlino L, Fortino I, Cesana G, Mancina G. Cardiovascular protection by initial and subsequent combination of antihypertensive drugs in daily life practice. *Hypertension*. 2011 Oct;58(4):566-72

Mantovani LG, Fornari C, Madotto F, Riva MA, Merlino L, Ferrario MM, Chiodini V, Zocchetti A, Corrao G, Cesana G. Burden of acute myocardial infarction. *Int J Cardiol*. 2011 Jul 1;150(1):111-2

Corrao G, Scotti L, Zambon A, Baio G, Nicotra F, Conti V, Capri S, Tragni E, Merlino L, Catapano AL, Mancina G. Cost-effectiveness of enhancing adherence to therapy with statins in the setting of primary cardiovascular prevention. Evidence from an empirical approach based on administrative databases. *Atherosclerosis*. 2011 Aug;217(2):479-85

Mancina G, Parodi A, Merlino L, Corrao G. Heterogeneity in antihypertensive treatment discontinuation between drugs belonging to the same class. *J Hypertens*. 2011 May;29(5):1012-8

Corrao G, Parodi A, Nicotra F, Zambon A, Merlino L, Cesana G, Mancina G. Better compliance to antihypertensive medications reduces cardiovascular risk. *J Hypertens*. 2011 Mar;29(3):610-8

Veronesi G, Ferrario MM, Chambless LE, Segha R, Mancina G, Corrao G, Fornari C, Cesana G. Gender differences in the association between education and the incidence of cardiovascular events in Northern Italy. *Eur J Public Health*. 2011 Dec;21(6):762-7

Corrao G, Parodi A, Zambon A, Heiman F, Filippi A, Cricelli C, Merlino L, Mancina G. Reduced discontinuation of antihypertensive treatment by two-drug combination as first step. Evidence from daily life practice. *J Hypertens*. 2010 Jul;28(7):1584-90

Corrao G, Conti V, Merlino L, Catapano AL, Mancina G. Results of a retrospective database analysis of adherence to statin therapy and risk of nonfatal ischemic heart disease in daily clinical practice in Italy. *Clin Ther*. 2010 Feb;32(2):300-10

Nicotra F, Wettermark B, Sturkenboom MC, Parodi A, Bellocco R, Ekblom A, Merlino L, Leimanis A, Mancina G, Forede M, Corrao G. Management of antihypertensive drugs in three European countries. *J Hypertens*. 2009 Sep;27(9):1917-22

Corrao G, Zambon A, Parodi A, Mezzananza M, Merlino L, Cesana G, Mancina G. Do socioeconomic disparities affect accessing and keeping antihypertensive drug therapy? Evidence from an Italian population-based study. *J Hum Hypertens*. 2009 Apr;23(4):238-44

Corrao G, Zambon A, Parodi A, Poluzzi E, Baldi I, Merlino L, Cesana G, Mancina G. Discontinuation of and changes in drug therapy for hypertension among newly-treated patients: a population-based study in Italy. *J Hypertens*. 2008 Apr;26(4):819-24

Corrao G, Zambon A, Bertù L, Botteri E, Leoni O, Contiero P. Lipid lowering drugs prescription and the risk of peripheral neuropathy: an exploratory case-control study using automated databases. *J Epidemiol Community Health*. 2004 Dec;58(12):1047-51

Diabetes

Rea F, Savaré L, Valsassina V, Ciardullo S, Perseghin G, Corrao G, Mancia G. Adherence to antidiabetic drug therapy and reduction of fatal events in elderly frail patients. *Cardiovasc Diabetol*. 2023 Mar 10;22(1):53

Ciardullo S, Rea F, Savaré L, Morabito G, Perseghin G, Corrao G. Prolonged Use of Proton Pump Inhibitors and Risk of Type 2 Diabetes: Results From a Large Population-Based Nested Case-Control Study. *J Clin Endocrinol Metab*. 2022 Jun 16;107(7):e2671-e2679

Corrao G, Rea F, Mancia G, Perseghin G, Merlino L, Martini N, Carbone S, Carle F; working group “Monitoring and assessing diagnostic-therapeutic paths (MAP)” of the Italian Ministry of Health; Polytechnic University of Marche (coordinator); Italian Ministry of Health, Dept of Health Planning; Dept of health prevention; University of Milano-Bicocca, Laboratory of Healthcare Research & Pharmacoepidemiology; Department of Epidemiology Lazio Region; Aosta Valley Region; Campania Region; Emilia Romagna Region; Friuli Venezia Giulia Region; Lazio Region; Lombardy Region; Marche Region; Molise Region; Puglia Region; Sicily Region; Tuscany Region; Veneto Region; Research and Health Foundation (Fondazione ReS -Ricerca e Salute-); National Agency for Regional Health Services; ANMCO (National Association of Hospital Cardiologists) Study Center. Cost-effectiveness of the adherence with recommendations for clinical monitoring of patients with diabetes. *Nutr Metab Cardiovasc Dis*. 2021 Oct 28;31(11):3111-3121

Rea F, Ciardullo S, Savaré L, Perseghin G, Corrao G. Comparing medication persistence among patients with type 2 diabetes using sodium-glucose cotransporter 2 inhibitors or glucagon-like peptide-1 receptor agonists in real-world setting. *Diabetes Res Clin Pract*. 2021 Oct;180:109035.

Boniol M, Franchi M, Bota M, Leclercq A, Guillaume J, van Damme N, Corrao G, Autier P, Boyle P. Incretin-Based Therapies and the Short-term Risk of Pancreatic Cancer: Results From Two Retrospective Cohort Studies. *Diabetes Care*. 2018 Feb;41(2):286-292

Corrao G, Monzio Compagnoni M, Ronco R, Merlino L, Ciardullo S, Perseghin G, Banfi G. Is Switching from Oral Antidiabetic Therapy to Insulin Associated with an Increased Fracture Risk? *Clin Orthop Relat Res*. 2020 May;478(5):992-1003

Santucci C, Franchi M, Staszewsky L, La Vecchia C, Latini R, Merlino L, Corrao G, Bosetti C. Incretin-based drugs and hospitalization for heart failure in the clinical practice: A nested case-control study. *Diabetes Res Clin Pract*. 2018 Dec;146:172-179

Corrao G, Rea F, Di Martino M, Lallo A, Davoli M, DIE PIALMA R, Belotti L, Merlino L, Pisanti P, Lispi L, Skrami E, Carle F; working group ‘Monitoring and assessing diagnostic-therapeutic paths’ of the Italian Health Ministry. Effectiveness of adherence to recommended clinical examinations of diabetic patients in preventing diabetes-related hospitalizations. *Int J Qual Health Care*. 2019 Jul 1;31(6):464-472

Corrao G, Monzio Compagnoni M, Rea F, Merlino L, Catapano AL, Mancia G. Clinical significance of diabetes likely induced by statins: Evidence from a large population-based cohort. *Diabetes Res Clin Pract*. 2017 Nov;133:60-68

Casula M, Mozzanica F, Scotti L, Tragni E, Pirillo A, Corrao G, Catapano AL. Statin use and risk of new-onset diabetes: A meta-analysis of observational studies. *Nutr Metab Cardiovasc Dis*. 2017 May;27(5):396-406

Franchi M, Ascitutto R, Nicotra F, Merlino L, La Vecchia C, Corrao G, Bosetti C. Metformin, other antidiabetic drugs, and endometrial cancer risk: a nested case-control study within Italian healthcare utilization databases. *Eur J Cancer Prev*. 2017 May;26(3):225-231

Bosetti C, Franchi M, Nicotra F, Ascitutto R, Merlino L, La Vecchia C, Corrao G. Insulin and other antidiabetic drugs and hepatocellular carcinoma risk: a nested case-control study based on Italian healthcare utilization databases. *Pharmacoepidemiol Drug Saf*. 2015 Jul;24(7):771-8

Soranna D, Bosetti C, Casula M, Tragni E, Catapano AL, Vecchia CL, Merlino L, Corrao G. Incretin-based drugs and risk of acute pancreatitis: A nested-case control study within a healthcare database. *Diabetes Res Clin Pract*. 2015 May;108(2):243-9

Nicotra F, Molinari C, Dozio N, Castiglioni MT, Ibrahim B, Zambon A, Corrao G, Scavini M. Screening for gestational diabetes in the Lombardy region: A population-based study. *Diabetes Metab*. 2015 Sep;41(4):319-325

Corrao G, Ibrahim B, Nicotra F, Soranna D, Merlino L, Catapano AL, Tragni E, Casula M, Grassi G, Mancina G. Statins and the risk of diabetes: evidence from a large population-based cohort study. *Diabetes Care*. 2014 Aug;37(8):2225-32

Bosetti C, Rosato V, Polesel J, Levi F, Talamini R, Montella M, Negri E, Tavani A, Zucchetto A, Franceschi S, Corrao G, La Vecchia C. Diabetes mellitus and cancer risk in a network of case-control studies. *Nutr Cancer*. 2012;64(5):643-51

Corrao G, Romio SA, Zambon A, Merlino L, Bosi E, Scavini M. Multiple outcomes associated with the use of metformin and sulphonylureas in type 2 diabetes: a population-based cohort study in Italy. *Eur J Clin Pharmacol*. 2011 Mar;67(3):289-99

Cancer

Corrao G, Franchi M, Zaffaroni M, Vincini MG, de Marinis F, Spaggiari L, Orecchia R, Marvaso G, Jerezek-Fossa BA. Upfront Advanced Radiotherapy and New Drugs for NSCLC Patients with Synchronous Brain Metastases: Is the Juice Worth the Squeeze? A Real-World Analysis from Lombardy, Italy. *Cancers (Basel)*. 2023 Feb 9;15(4):1103.

Franchi M, Pellegrini G, Corrao G. Effectiveness and Cost-Effectiveness Profile of Second-Line Treatments with Nivolumab, Pembrolizumab and Atezolizumab in Patients with Advanced Non-Small Cell Lung Cancer. *Pharmaceuticals (Basel)*. 2022 Apr 18;15(4):489

Franchi M, Cortinovis D, Corrao G. Treatment Patterns, Clinical Outcomes and Healthcare Costs of Advanced Non-Small Cell Lung Cancer: A Real-World Evaluation in Italy. *Cancers (Basel)*. 2021 Jul 29;13(15):3809

Franchi M, Tritto R, Tarantini L, Navazio A, Corrao G. Adjuvant Hormonotherapy and Cardiovascular Risk in Post-Menopausal Women with Breast Cancer: A Large Population-Based Cohort Study. *Cancers (Basel)*. 2021 May 8;13(9):2254

Franchi M, Vener C, Garau D, Kirchmayer U, Di Martino M, Romero M, De Carlo I, Scondotto S, Stival C, Della Porta MG, Passamonti F, Corrao G. Bortezomib-based therapy in non-transplant multiple myeloma patients: a retrospective cohort study from the FABIO project. *Ther Adv Hematol*. 2021 Feb 23;12:2040620721996488

Corrao G, Rea F, Di Felice E, Di Martino M, Davoli M, Merlino L, Carle F, De Palma R; “Monitoring and assessing diagnostic-therapeutic paths (MAP)” of the Italian Ministry of Health. Influence of adherence with guideline-driven recommendations on survival in women operated for breast cancer: Real-life evidence from Italy. *Breast*. 2020 Oct;53:51-58

Franchi M, Trama A, Merlo I, Minicozzi P, Tarantini L, Garau D, Kirchmayer U, Di Martino M, Romero M, De Carlo I, Scondotto S, Apolone G, Corrao G; FABIO working group. Cardiovascular Risk After Adjuvant Trastuzumab in Early Breast Cancer: An Italian Population-Based Cohort Study. *Oncologist*. 2020 Oct;25(10):e1492-e1499

Franchi M, Tritto R, Torroni L, Reno C, La Vecchia C, Corrao G. Effectiveness and Healthcare Cost of Adding Trastuzumab to Standard Chemotherapy for First-Line Treatment of Metastatic Gastric Cancer: A Population-Based Cohort Study. *Cancers (Basel)*. 2020 Jun 25;12(6):1691

Franchi M, Garau D, Kirchmayer U, Di Martino M, Romero M, De Carlo I, Scondotto S, Corrao G. Effectiveness and Costs Associated to Adding Cetuximab or Bevacizumab to Chemotherapy as Initial Treatment in Metastatic Colorectal Cancer: Results from the Observational FABIO Project. *Cancers (Basel)*. 2020 Mar 31;12(4):839

Rea F, Ieva F, Pastorino U, Apolone G, Barni S, Merlino L, Franchi M, Corrao G. Number of lung resections performed and long-term mortality rates of patients after lung cancer surgery: evidence from an Italian investigation. *Eur J Cardiothorac Surg*. 2020 Jul 1;58(1):70-77

Franchi M, Barni S, Tagliabue G, Ricci P, Mazzucco W, Tumino R, Caputo A, Corrao G; GRETA working group. Effectiveness of First-Line Bevacizumab in Metastatic Colorectal Cancer: The Observational Cohort Study GRETA. *Oncologist*. 2019 Mar;24(3):358-365

Rossi M, Carioli G, Bonifazi M, Zambelli A, Franchi M, Moja L, Zambon A, Corrao G, La Vecchia C, Zocchetti C, Negri E. Trastuzumab for HER2+ metastatic breast cancer in clinical practice: Cardiotoxicity and overall survival. *Eur J Cancer*. 2016 Jan;52:41-9

Negri E, Zambelli A, Franchi M, Rossi M, Bonifazi M, Corrao G, Moja L, Zocchetti C, La Vecchia C. Effectiveness of trastuzumab in first-line HER2+ metastatic breast cancer after failure in adjuvant setting: a controlled cohort study. *Oncologist*. 2014 Dec;19(12):1209-15

Bonifazi M, Franchi M, Rossi M, Zambelli A, Moja L, Zambon A, Corrao G, La Vecchia C, Zocchetti C, Negri E. Long term survival of HER2-positive early breast cancer treated with trastuzumab-based adjuvant regimen: a large cohort study from clinical practice. *Breast*. 2014 Oct;23(5):573-8

Bonifazi M, Franchi M, Rossi M, Moja L, Zambelli A, Zambon A, Corrao G, La Vecchia C, Zocchetti C, Negri E. Trastuzumab-related cardiotoxicity in early breast cancer: a cohort study. *Oncologist*. 2013;18(7):795-801

Respiratory system diseases

Faverio P, Ronco R, Monzio Compagnoni M, Franchi M, Franco G, Bonaiti G, Bonifazi M, Mei F, Luppi F, Pesci A, Corrao G. Effectiveness and economic impact of Dupilumab in asthma: a population-based cohort study. *Respir Res*. 2023 Mar 7;24(1):70

Faverio P, Monzio Compagnoni M, Ronco R, Franchi M, Della Zoppa M, Bonaiti G, Bonifazi M, Mei F, Luppi F, Pesci A, Corrao G. Economic impact of anti-IL-5 agents in patients with severe eosinophilic asthma: A population-based cohort study. *Allergy Clin Immunol Pract*. 2022 Nov;10(11):3026-3028

Faverio P, Compagnoni MM, Della Zoppa M, Pesci A, Cantarutti A, Merlino L, Luppi F, Corrao G. Rehospitalization for pneumonia after first pneumonia admission: Incidence and predictors in a population-based cohort study. *PLoS One*. 2020 Jun 30;15(6):e0235468

Rea F, Calusi G, Franchi M, Vetrano DL, Roberto G, Bonassi S, Kirchmayer U, Chinellato A, Bettiol A, Sultana J, Mugelli A, Corrao G; I-GrADE Investigators. Adherence of Elderly Patients with Cardiovascular Disease to Statins and the Risk of Exacerbation of Chronic Obstructive Pulmonary Disease: Evidence from an Italian Real-World Investigation. *Drugs Aging*. 2018 Dec;35(12):1099-1108

Carioli G, Bonifazi M, Rossi M, Zambelli A, Franchi M, Zocchetti C, Gasparini S, Corrao G, La Vecchia C, Negri E. Management and Survival of Pleural Mesothelioma: A Record Linkage Study. *Respiration*. 2018;95(6):405-413

Arfè A, Blasi F, Merlino L, Corrao G. Respiratory drugs and macrolides prevent asthma exacerbations: A real-world investigation. *Respir Med*. 2016 Oct;119:7-12

Corrao G, Arfè A, Nicotra F, Ghirardi A, Vaghi A, De Marco R, Pesci A, Merlino L, Zambon A; CRD Real-World Evidence Scientific Board. Persistence with inhaled corticosteroids reduces the risk of exacerbation among adults with asthma: A real-world investigation. *Respirology*. 2016 Aug;21(6):1034-40

Arfè A, Nicotra F, Cerveri I, de Marco R, Vaghi A, Merlino L, Corrao G. Incidence, Predictors, and Clinical Implications of Discontinuing Therapy with Inhaled Long-Acting Bronchodilators among Patients with Chronic Obstructive Pulmonary Disease. *COPD*. 2016 Oct;13(5):540-6

Corrao G, Zambon A, Faini S, Bagnardi V, Leoni O, Suissa S. Short-acting inhaled beta-2-agonists increased the mortality from chronic obstructive pulmonary disease in observational designs. *J Clin Epidemiol*. 2005 Jan;58(1):92-7

Fractures, bone frailty and diseases of musculoskeletal system

Casula M, Olmastroni E, Galimberti F, Tragni E, Corrao G, Scotti L, Catapano AL. Association between the cumulative exposure to bisphosphonates and hospitalization for atherosclerotic cardiovascular events: A population-based study. *Atherosclerosis*. 2020 May;301:1-7

Kirchmayer U, Sorge C, Sultana J, Lapi F, Onder G, Agabiti N, Cascini S, Roberto G, Corrao G, Vitale C, Lucenteforte E, Mugelli A, Davoli M. Bisphosphonates and cardiovascular risk in elderly patients with previous cardiovascular disease: a population-based nested case-control study in Italy. *Ther Adv Drug Saf*. 2019 Apr 5;10:2042098619838138

Mazzola P, Rea F, Merlino L, Bellelli G, Dubner L, Corrao G, Pasinetti GM, Annoni G. Hip Fracture Surgery and Survival in Centenarians. *J Gerontol A Biol Sci Med Sci*. 2016 Nov;71(11):1514-1518

Herrera L, Leal I, Lapi F, Schuemie M, Arcoraci V, Cipriani F, Sessa E, Vaccheri A, Piccinni C, Staniscia T, Vestri A, Di Bari M, Corrao G, Zambon A, Gregori D, Carle F, Sturkenboom M, Mazzaglia G, Trifiro G. Risk of atrial fibrillation among bisphosphonate users: a multicenter, population-based, Italian study. *Osteoporos Int*. 2015 May;26(5):1499-506

Ghirardi A, Di Bari M, Zambon A, Scotti L, Della Vedova G, Lapi F, Cipriani F, Caputi AP, Vaccheri A, Gregori D, Gesuita R, Vestri A, Staniscia T, Mazzaglia G, Corrao G; BEST investigators. Effectiveness of oral bisphosphonates for primary prevention of osteoporotic fractures: evidence from the AIFA-BEST observational study. *Eur J Clin Pharmacol*. 2014 Sep;70(9):1129-37

Scotti L, Arfè A, Zambon A, Merlino L, Corrao G. Cost-effectiveness of enhancing adherence with oral bisphosphonates treatment in osteoporotic women: an empirical approach based on healthcare utilisation databases. *BMJ Open*. 2014 Mar 24;4(3):e003758

Ghirardi A, Scotti L, Vedova GD, D'Oro LC, Lapi F, Cipriani F, Caputi AP, Vaccheri A, Gregori D, Gesuita R, Vestri A, Staniscia T, Mazzaglia G, Corrao G; AIFA-BEST Investigators. Oral bisphosphonates do not increase the risk of severe upper gastrointestinal complications: a nested case-control study. *BMC Gastroenterol*. 2014 Jan 7;14:5

Ghirardi A, Scotti L, Zambon A, Della Vedova G, Cavaliere D'oro L, Lapi F, Cipriani F, Caputi AP, Vaccheri A, Gregori D, Gesuita R, Vestri A, Staniscia T, Mazzaglia G, Corrao G; BEST Investigators. Risk of severe upper gastrointestinal complications among oral bisphosphonate users. *PLoS One*. 2013 Dec 9;8(12):e73159

Lapi F, Cipriani F, Caputi AP, Corrao G, Vaccheri A, Sturkenboom MC, Di Bari M, Gregori D, Carle F, Staniscia T, Vestri A, Brandi M, Fusco V, Campisi G, Mazzaglia G; Bisphosphonates Efficacy-Safety Tradeoff (BEST) study group. Assessing the risk of osteonecrosis of the jaw due to bisphosphonate therapy in the secondary prevention of osteoporotic fractures. *Osteoporos Int*. 2013 Feb;24(2):697-705

Zambon A, Baio G, Mazzaglia G, Merlino L, Corrao G. Discontinuity and failures of therapy with bisphosphonates: joint assessment of predictors with multi-state models. *Pharmacoepidemiol Drug Saf*. 2008 Mar;17(3):260-9

Corrao G, Zambon A, Nicotra F, Conti V, Nappi RE, Merlino L. Issues concerning the use of hormone replacement therapy and risk of fracture: a population-based, nested case-control study. *Br J Clin Pharmacol*. 2008 Jan;65(1):123-9

Pregnancy and child health

Esposito G, Rossi M, Favilli A, Franchi M, Corrao G, Parazzini F, La Vecchia C. Impact of the First and Second Lockdown for COVID-19 Pandemic on Preterm Birth, Low Birth Weight, Stillbirth, Mode of Labor, and of Delivery in Lombardy, Italy. *J Pers Med*. 2023 Mar 10;13(3):499

Galati G, Esposito G, Somigliana E, Muzii L, Franchi M, Corrao G, Parazzini F. Trends in the incidence of major birth defects after assisted reproductive technologies in Lombardy Region, Northern Italy. *J Assist Reprod Genet*. 2023 Feb 10. doi: 10.1007/s10815-023-02732-z

Esposito G, Cipriani S, Noli S, Franchi M, Corrao G, Parazzini F, Somigliana E. The changing impact of assisted reproductive techniques on preterm birth during the period 2007-2020 in Lombardy, Northern Italy. *Eur J Obstet Gynecol Reprod Biol*. 2022 Nov;278:51-56

Merlo I, Cantarutti A, Allotta A, Tavormina EE, Iommi M, Pompili M, Rea F, Agodi A, Locatelli A, Zanini R, Carle F, Addario SP, Scodotto S, Corrao G; CHRP-Sicily Region Working Group. Development and Validation of a Novel Pre-Pregnancy Score Predictive of Preterm Birth in Nulliparous Women Using Data from Italian Healthcare Utilization Databases. *Healthcare (Basel)*. 2022 Aug 1;10(8):1443

Esposito G, Dalmartello M, Franchi M, Mauri PA, Cipriani S, Corrao G, Parazzini F. Trends in Dizygotic and Monozygotic Spontaneous Twin Births During the Period 2007-2017 in Lombardy, Northern Italy: A Population-Based Study. *Twin Res Hum Genet*. 2022 Jun;25(3):149-155

Cantarutti A, Porcu G, Locatelli A, Corrao G. Association between hypertensive medication during pregnancy and risk of several maternal and neonatal outcomes in women with chronic hypertension: a population-based study. *Expert Rev Clin Pharmacol*. 2022 May;15(5):637-645

- Esposito G, Mauri PA, Cipriani S, Franchi M, Corrao G, Parazzini F. The role of maternal age on the risk of preterm birth among singletons and multiples: a retrospective cohort study in Lombardy, Northern Italy. *BMC Pregnancy Childbirth*. 2022 Mar 22;22(1):234
- Cantarutti A, Rea F, Franchi M, Beccalli B, Locatelli A, Corrao G. Use of Antibiotic Treatment in Pregnancy and the Risk of Several Neonatal Outcomes: A Population-Based Study. *Int J Environ Res Public Health*. 2021 Nov 30;18(23):12621
- Cantarutti A, Barbiellini Amidei C, Valsecchi C, Scamarcia A, Corrao G, Gregori D, Giaquinto C, Ludvigsson JF, Canova C. Association of Treated and Untreated Gastroesophageal Reflux Disease in the First Year of Life with the Subsequent Development of Asthma. *Int J Environ Res Public Health*. 2021 Sep 13;18(18):9633
- Esposito G, Somigliana E, Franchi M, Dallagiovanna C, Pisaturo V, Corrao G, Parazzini F. Trend of medically induced monozygotic twin deliveries according to age, parity, and type of assisted reproductive technique during the period 2007-2017 in Lombardy Region, Northern Italy: a population-based study. *J Assist Reprod Genet*. 2021 Sep;38(9):2341-2347
- Esposito G, Franchi M, Dalmartello M, Scarfone G, Negri E, Parazzini F, La Vecchia C, Corrao G. Obstetric and neonatal outcomes in women with pregnancy associated cancer: a population-based study in Lombardy, Northern Italy. *BMC Pregnancy Childbirth*. 2021 Jan 7;21(1):31
- Corrao G, Cantarutti A, Locatelli A, Porcu G, Merlino L, Carbone S, Carle F, Zanini R. Association between Adherence with Recommended Antenatal Care in Low-Risk, Uncomplicated Pregnancy, and Maternal and Neonatal Adverse Outcomes: Evidence from Italy. *Int J Environ Res Public Health*. 2020 Dec 29;18(1):173
- Cantarutti A, Rea F, Donà D, Cantarutti L, Passarella A, Scamarcia A, Lundin R, Damiani V, Giaquinto C, Corrao G. Preventing recurrent acute otitis media with *Streptococcus salivarius* 24SMB and *Streptococcus oralis* 89a five months intermittent treatment: An observational prospective cohort study. *Int J Pediatr Otorhinolaryngol*. 2020 May;132:109921
- Barbieri E, Donà D, Cantarutti A, Lundin R, Scamarcia A, Corrao G, Cantarutti L, Giaquinto C. Antibiotic prescriptions in acute otitis media and pharyngitis in Italian pediatric outpatients. *Ital J Pediatr*. 2019 Aug 17;45(1):103
- Cantarutti A, Rea F, Locatelli A, Merlino L, Lundin R, Perseghin G, Corrao G. Adherence to clinical evaluations in women with pre-existing diabetes during pregnancy: A call to action from an Italian real-life investigation. *Diabetes Res Clin Pract*. 2019 Aug;154:1-8
- Cantarutti A, Franchi M, Rea F, Merlino L, Corrao G. Use of Nimesulide During Early Pregnancy and the Risk of Congenital Malformations: A Population-Based Study from Italy. *Adv Ther*. 2018 Jul;35(7):981-992
- Cantarutti A, Franchi M, Monzio Compagnoni M, Merlino L, Corrao G. Mother's education and the risk of several neonatal outcomes: an evidence from an Italian population-based study. *BMC Pregnancy Childbirth*. 2017 Jul 12;17(1):221
- Cantarutti A, Merlino L, Giaquinto C, Corrao G. Use of antidepressant medication in pregnancy and adverse neonatal outcomes: A population-based investigation. *Pharmacoepidemiol Drug Saf*. 2017 Sep;26(9):1100-1108
- Cantarutti A, Merlino L, Monzani E, Giaquinto C, Corrao G. Is the Risk of Preterm Birth and Low Birth Weight Affected by the Use of Antidepressant Agents during Pregnancy? A Population-Based Investigation. *PLoS One*. 2016 Dec 15;11(12):e0168115

Mental health

Corrao G, Monzio Compagnoni M, Barbato A, D'Avanzo B, Di Fiandra T, Ferrara L, Gaddini A, Saponaro A, Scodotto S, Tozzi VD, Carle F, Carbone S, Chisholm DH, Lora A. From contact coverage to effective coverage of community care for patients with severe mental disorders: A real-world investigation from Italy. *Front Psychiatry*. 2022 Nov 29;13:1014193

Lora A, Monzio Compagnoni M, Allevi L, Barbato A, Carle F, D'avanzo B, Di Fiandra T, Ferrara L, Gaddini A, Leogrande M, Saponaro A, Scodotto S, Tozzi VD, Carbone S, Corrao G; 'QUADIM project' and 'Monitoring and assessing diagnostic-therapeutic paths (MAP)' working groups of the Italian Ministry of Health. The quality of mental health care delivered to patients with schizophrenia and related disorders in the Italian mental health system. The QUADIM project: a multi-regional Italian investigation based on healthcare utilisation databases. *Epidemiol Psychiatr Sci*. 2022 Feb 14;31:e15

Corrao G, Barbato A, D'Avanzo B, Di Fiandra T, Ferrara L, Gaddini A, Monzio Compagnoni M, Saponaro A, Scodotto S, Tozzi VD, Carle F, Lora A; "QUADIM project", "Monitoring, assessing care pathways (M. A. P.)" working groups of the Italian Ministry of Health. Does the mental health system provide effective coverage to people with schizophrenic disorder? A self-controlled case series study in Italy. *Soc Psychiatry Psychiatr Epidemiol*. 2022 Mar;57(3):519-529

Biffi A, Rea F, Scotti L, Lucenteforte E, Vannacci A, Lombardi N, Chinellato A, Onder G, Vitale C, Cascini S, Ingrassiotta Y, Roberto G, Mugelli A, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Antidepressants and the Risk of Cardiovascular Events in Elderly Affected by Cardiovascular Disease: A Real-Life Investigation From Italy. *J Clin Psychopharmacol*. 2020 Mar/Apr;40(2):112-121

Sultana J, Giorgianni F, Rea F, Lucenteforte E, Lombardi N, Mugelli A, Vannacci A, Liperoti R, Kirchmayer U, Vitale C, Chinellato A, Roberto G, Corrao G, Trifirò G. All-cause mortality and antipsychotic use among elderly persons with high baseline cardiovascular and cerebrovascular risk: a multi-center retrospective cohort study in Italy. *Expert Opin Drug Metab Toxicol*. 2019 Feb;15(2):179-188

Biffi A, Rea F, Scotti L, Mugelli A, Lucenteforte E, Bettioli A, Chinellato A, Onder G, Vitale C, Agabiti N, Trifirò G, Roberto G, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Antidepressants and the risk of arrhythmia in elderly affected by a previous cardiovascular disease: a real-life investigation from Italy. *Eur J Clin Pharmacol*. 2018 Jan;74(1):119-129

Lora A, Monzani E, Ibrahim B, Soranna D, Corrao G. Routine quality care assessment of schizophrenic disorders using information systems. *Int J Qual Health Care*. 2018 Mar 1;30(2):157

Lora A, Monzani E, Ibrahim B, Soranna D, Corrao G. Routine quality care assessment of schizophrenic disorders using information systems. *Int J Qual Health Care*. 2016 Dec 1;28(6):728-733

Corrao G, Soranna D, Merlino L, Monzani E, Viganò C, Lora A. Do patterns of mental healthcare predict treatment failure in young people with schizophrenia? Evidence from an Italian population-based cohort study. *BMJ Open*. 2015 Jun 3;5(6):e007140

Lapi F, Nicotra F, Scotti L, Vannacci A, Thompson M, Pieri F, Mugelli N, Zambon A, Corrao G, Mugelli A, Rubino A. Use of antidepressant serotonergic medications and cardiac valvulopathy: a nested case-control study in the health improvement network (THIN) database. *Br J Clin Pharmacol*. 2012 Sep;74(3):536-44

Biffi A, Scotti L, Rea F, Lucenteforte E, Chinellato A, Vetrano DL, Vitale C, Agabiti N, Sultana J, Roberto G, Mugelli A, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Adherence to Antidepressants and Mortality in Elderly Patients with Cardiovascular Disease. *Clin Drug Investig*. 2018 Jul;38(7):593-602

Migrants' health

Listorti E, Torbica A, Cella SG, Fiorini G, Corrao G, Franchi M. A Cohort Study on Diabetic Undocumented Migrants in Italy: Can Charitable Organizations Contribute to Higher Adherence? *Int J Environ Res Public Health*. 2023 Feb 4;20(4):2794

Fiorini G, Pellegrini G, Franchi M, Pincelli AI, Rigamonti AE, Corrao G, Sartorio A, Cella SG. Pharmacological Treatment of Type-2-Diabetes and Cardiovascular Comorbidities: Differences between Undocumented Migrants and Natives in Italy. *Healthcare (Basel)*. 2022 Dec 20;11(1):4

Listorti E, Torbica A, Cella SG, Fiorini G, Corrao G, Franchi M. Healthcare Services for Undocumented Migrants: Organisation and Costs from the Italian NHS Perspective. *Int J Environ Res Public Health*. 2022 Dec 8;19(24):16447

Fiorini G, Franchi M, Corrao G, Tritto R, Fadelli S, Rigamonti AE, Sartorio A, Cella SG. Effects of SARS-CoV-2 pandemic on follow-up and pharmacological treatment of chronic diseases in undocumented migrants. *BMJ Nutr Prev Health*. 2021 Jul 2;4(2):365-373

Fiorini G, Rigamonti AE, Galanopoulos C, Adamoli M, Ciriaco E, Franchi M, Genovese E, Corrao G, Cella SG. Undocumented migrants during the COVID-19 pandemic: socio-economic determinants, clinical features and pharmacological treatment. *J Public Health Res*. 2020 Nov 27;9(4):1852

Fiorini G, Cortinovis I, Corrao G, Franchi M, Pincelli AI, Perotti M, Rigamonti AE, Sartorio A, Cella SG. Current Pharmacological Treatment of Type 2 Diabetes Mellitus in Undocumented Migrants: Is It Appropriate for the Phenotype of the Disease? *Int J Environ Res Public Health*. 2020 Nov 5;17(21):8169

Covid-19 and other infective diseases

Merlo I, Crea M, Berta P, Ieva F, Carle F, Rea F, Porcu G, Savaré L, De Maio R, Villa M, Cereda D, Leoni O, Bortolan F, Sechi GM, Bella A, Pezzotti P, Brusaferrò S, Blangiardo GC, Fedeli M, Corrao G; Italian Alert_CoV Project group. Detecting early signals of COVID-19 outbreaks in 2020 in small areas by monitoring healthcare utilisation databases: first lessons learned from the Italian Alert_CoV project. *Euro Surveill*. 2023 Jan;28(1):2200366

Corrao G, Franchi M, Cereda D, Bortolan F, Leoni O, Vignati E, Pavesi G, Gori A. Increased risk of myocarditis and pericarditis and reduced likelihood of severe clinical outcomes associated with COVID-19 vaccination: a cohort study in Lombardy, Italy. *BMC Infect Dis*. 2022 Nov 12;22(1):844

Bagarella G, Maistrello M, Minoja M, Leoni O, Bortolan F, Cereda D, Corrao G. Early Detection of SARS-CoV-2 Epidemic Waves: Lessons from the Syndromic Surveillance in Lombardy, Italy. *Int J Environ Res Public Health*. 2022 Sep 28;19(19):12375

Corrao G, Franchi M, Cereda D, Bortolan F, Leoni O, Jara J, Valenti G, Pavesi G. Factors associated with severe or fatal clinical manifestations of SARS-CoV-2 infection after receiving the third dose of vaccine. *J Intern Med*. 2022 Nov;292(5):829-836

Corrao G, Franchi M, Cereda D, Bortolan F, Leoni O, Borriello CR, Della Valle PG, Tirani M, Pavesi G, Barone A, Ercolanoni M, Jara J, Galli M, Bertolaso G. Vulnerability Predictors of Post-Vaccine SARS-CoV-2 Infection and Disease-Empirical Evidence from a Large Population-Based Italian Platform. *Vaccines (Basel)*. 2022 May 26;10(6):845

Corrao G, Rea F, Franchi M, Cereda D, Barone A, Borriello CR, Della Valle GP, Ercolanoni M, Jara J, Preziosi G, Maffeo M, Mazziotta F, Pierini E, Lecis F, Sanchirico P, Vignali F, Leoni O, Fortino I, Galli M, Pavesi G, Bertolaso G. Balancing Benefits and Harms of COVID-19 Vaccines: Lessons from the Ongoing Mass Vaccination Campaign in Lombardy, Italy. *Vaccines (Basel)*. 2022 Apr 15;10(4):623

Cantarutti A, Barbieri E, Didonè F, Scamarcia A, Giaquinto C, Corrao G. Influenza Vaccination Effectiveness in Paediatric 'Healthy' Patients: A Population-Based Study in Italy. *Vaccines (Basel)*. 2022 Apr 10;10(4):582

Corrao G, Bertolaso G, Pavesi G, Moratti L. Eight Good Reasons for Careful Monitoring and Evaluation of the Vaccine Campaign against COVID-19: Lessons Learned through the Lombardy Experience for Dealing with Next Challenges. *Int J Environ Res Public Health*. 2022 Jan 19;19(3):1073

Corrao G, Franchi M, Rea F, Cereda D, Barone A, Borriello CR, Della Valle PG, Ercolanoni M, Fortino I, Jara J, Leoni O, Mazziotta F, Pierini E, Preziosi G, Tirani M, Galli M, Bertolaso G, Pavesi G, Bortolan F. Protective action of natural and induced immunization against the occurrence of delta or alpha variants of SARS-CoV-2 infection: a test-negative case-control study. *BMC Med*. 2022 Feb 8;20(1):52

Corrao G, Franchi M, Cereda D, Bortolan F, Zoli A, Leoni O, Borriello CR, Valle GPD, Tirani M, Pavesi G, Barone A, Ercolanoni M, Jara J, Galli M, Bertolaso G, Mancina G. Persistence of protection against SARS-CoV-2 clinical outcomes up to 9 months since vaccine completion: a retrospective observational analysis in Lombardy, Italy. *Lancet Infect Dis*. 2022 May;22(5):649-656

Somigliana E, Esposito G, Viganò P, Franchi M, Corrao G, Parazzini F. Effects of the early phase of the COVID-19 pandemic on natural and ART-mediated birth rates in Lombardy Region, Northern Italy. *Reprod Biomed Online*. 2021 Oct;43(4):765-767

Corrao G, Rea F, Blangiardo GC. Lessons from COVID-19 mortality data across countries. *J Hypertens*. 2021 May 1;39(5):856-860

Mancina G, Rea F, Corrao G. RAAS Inhibitors and Risk of Covid-19. Reply. *N Engl J Med*. 2020 Nov 12;383(20):1993

Passamonti F, Cattaneo C, Arcaini L, Bruna R, Cavo M, Merli F, Angelucci E, Krampera M, Cairoli R, Della Porta MG, Fracchiolla N, Ladetto M, Gambacorti Passerini C, Salvini M, Marchetti M, Lemoli R, Molteni A, Busca A, Cuneo A, Romano A, Giuliani N, Galimberti S, Corso A, Morotti A, Falini B, Billio A, Gherlinzoni F, Visani G, Tisi MC, Tafuri A, Tosi P, Lanza F, Massaia M, Turrini M, Ferrara F, Gurrieri C, Vallisa D, Martelli M, Derenzini E, Guarini A, Conconi A, Cuccaro A, Cudillo L, Russo D, Ciambelli F, Scattolin AM, Luppi M, Selleri C, Ortu La Barbera E, Ferrandina C, Di Renzo N, Olivieri A, Bocchia M, Gentile M, Marchesi F, Musto P, Federici AB, Candoni A, Venditti A, Fava C, Pinto A, Galieni P, Rigacci L, Armiento D, Pane F, Oberti M, Zappasodi P, Visco C, Franchi M, Grossi PA, Bertù L, Corrao G, Pagano L, Corradini P; ITA-HEMA-COV Investigators. Clinical characteristics and risk factors associated with

COVID-19 severity in patients with haematological malignancies in Italy: a retrospective, multicentre, cohort study. *Lancet Haematol.* 2020 Oct;7(10):e737-e745

Mancia G, Rea F, Ludergnani M, Apolone G, Corrao G. Renin-Angiotensin-Aldosterone System Blockers and the Risk of Covid-19. *N Engl J Med.* 2020 Jun 18;382(25):2431-2440

Stratification and prediction models

Corrao G, Rea F, Carle F, Scondotto S, Allotta A, Lepore V, D'Ettorre A, Tanzarella C, Vittori P, Abena S, Iommi M, Spazzafumo L, Ercolanoni M, Blaco R, Carbone S, Giordani C, Manfellotto D, Galli M, Mancia G; 'Monitoring and Assessing care Pathways (MAP)' working group of the Italian Ministry of Health. Stratification of the risk of developing severe or lethal Covid-19 using a new score from a large Italian population: a population-based cohort study. *BMJ Open.* 2021 Nov 18;11(11):e053281

Orlando V, Rea F, Savaré L, Guarino I, Mucherino S, Perrella A, Trama U, Coscioni E, Menditto E, Corrao G. Development and validation of a clinical risk score to predict the risk of SARS-CoV-2 infection from administrative data: A population-based cohort study from Italy. *PLoS One.* 2021 Jan 20;16(1):e0237202

Corrao G, Rea F, Carle F, Di Martino M, De Palma R, Francesconi P, Lepore V, Merlino L, Scondotto S, Garau D, Spazzafumo L, Montagano G, Clagnan E, Martini N; working group "Monitoring and assessing care pathways (MAP)" of the Italian Ministry of Health. Measuring multimorbidity inequality across Italy through the multisource comorbidity score: a nationwide study. *Eur J Public Health.* 2020 Oct 1;30(5):916-921

Rea F, Corrao G, Ludergnani M, Cajazzo L, Merlino L. A new population-based risk stratification tool was developed and validated for predicting mortality, hospital admissions, and health care costs. *J Clin Epidemiol.* 2019 Dec;116:62-71

Corrao G, Rea F, Di Martino M, De Palma R, Scondotto S, Fusco D, Lallo A, Belotti LMB, Ferrante M, Pollina Addario S, Merlino L, Mancia G, Carle F. Developing and validating a novel multisource comorbidity score from administrative data: a large population-based cohort study from Italy. *BMJ Open.* 2017 Dec 26;7(12):e019503

Carrara G, Scirè CA, Zambon A, Cimmino MA, Cerra C, Caprioli M, Cagnotto G, Nicotra F, Arfè A, Migliazza S, Corrao G, Minisola G, Montecucco C. A validation study of a new classification algorithm to identify rheumatoid arthritis using administrative health databases: case-control and cohort diagnostic accuracy studies. Results from the RECOrd linkage On Rheumatic Diseases study of the Italian Society for Rheumatology. *BMJ Open.* 2015 Jan 28;5(1):e006029

Editorials, position papers and methods

Corrao G, Mancia G. Research strategies in treatment of hypertension: value of retrospective real-life data. *Eur Heart J.* 2022 Sep 14;43(35):3312-3322

Passamonti F, Corrao G, Castellani G, Mora B, Maggioni G, Gale RP, Della Porta MG. The future of research in hematology: Integration of conventional studies with real-world data and artificial intelligence. *Blood Rev.* 2022 Jul;54:100914

Corrao G, Cantarutti A, Monzio Compagnoni M, Franchi M, Rea F. Change in healthcare during Covid-19 pandemic was assessed through observational designs. *J Clin Epidemiol.* 2022 Feb;142:45-53

Corrao G, Franchi M, Mancia G. Knocking on heaven's door: The gap between health institutions and academies in generating knowledge utilizing real-world data. *Front Public Health*. 2022 Oct 26;10:1002910

Corrao G, Alquati G, Apolone G, Ardizzoni A, Buzzetti G, Canonica GW, Conte P, Crovato E, Damele F, La Vecchia C, Maggioni AP, Mantovani A, Marangi M, Marrocco W, Messori A, Padovani A, Rambaldi A, Ricciardi W, di Meana FR, Spandonaro F, Tozzi V, Mancia G. Real-world data: come possono aiutare a migliorare la qualità dell'assistenza. *Glob Reg Health Technol Assess*. 2021 Sep 20;8:134-139

Franchi M, Corrao G. [Real-world evidence vs EBM: what does real-world data add?]. *Recenti Prog Med*. 2021 Jan;112(1):25-29

Corrao G, Rea F, Mancia G. Evaluating sources of bias in observational studies. *J Hypertens*. 2021 Apr 1;39(4):604-606

Pedrini A, Piccinni C, Maggioni AP, Carle F, Corrao G. [New drugs for chronic diseases. Identification of target populations with real world data.]. *Recenti Prog Med*. 2020 Oct;111(10):571-576

Petrini C, Fiori G, Gussoni G, Cazzaniga S, Corrao G, Lovato V, Manfellotto D, Mastromauro F, Mugelli A. The increasing need for a new Italian legislation to facilitate execution of observational studies assuring ethics and the highest standards of scientific and methodological quality. Editorial. *Ann Ist Super Sanita*. 2020 Jul-Sep;56(3):257-259

Corrao G, Rea F, Franchi M, Beccalli B, Locatelli A, Cantarutti A. Warning of Immortal Time Bias When Studying Drug Safety in Pregnancy: Application to Late Use of Antibiotics and Preterm Delivery. *Int J Environ Res Public Health*. 2020 Sep 5;17(18):6465

Skrami E, Carle F, Villani S, Borrelli P, Zambon A, Corrao G, Trerotoli P, Guardabasso V, Gesuita R. Availability of Real-World Data in Italy: A Tool to Navigate Regional Healthcare Utilization Databases. *Int J Environ Res Public Health*. 2019 Dec 18;17(1):8

Hyeraci G, Spini A, Roberto G, Gini R, Bartolini C, Lucenteforte E, Corrao G, Rea F. A Systematic Review of Case-Identification Algorithms Based on Italian Healthcare Administrative Databases for Three Relevant Diseases of the Cardiovascular System: Acute Myocardial Infarction, Ischemic Heart Disease, and Stroke. *Epidemiol Prev*. 2019 Jul-Aug;43(4 Suppl 2):37-50

Canova C, Simonato L, Barbiellini Amidei C, Baldi I, Dalla Zuanna T, Gregori D, Danieli S, Buja A, Lorenzoni G, Pitter G, Costa G, Gnavi R, Corrao G, Rea F, Gini R, Hyeraci G, Roberto G, Spini A, Lucenteforte E, Agabiti N, Davoli M, Di Domenicantonio R, Cappai G. A Systematic Review of Case-Identification Algorithms for 18 Conditions Based on Italian Healthcare Administrative Databases: A Study Protocol. *Epidemiol Prev*. 2019 Jul-Aug;43(4 Suppl 2):8-16

Simonato L, Corrao G. Healthcare Administrative Databases and Algorithms: An Ongoing Epidemiological History. *Epidemiol Prev*. 2019 Jul-Aug;43(4 Suppl 2):5-7

Resteghini C, Trama A, Borgonovi E, Hosni H, Corrao G, Orlandi E, Calareso G, De Cecco L, Piazza C, Mainardi L, Licitra L. Big Data in Head and Neck Cancer. *Curr Treat Options Oncol*. 2018 Oct 25;19(12):62

Trifirò G, Gini R, Barone-Adesi F, Beghi E, Cantarutti A, Capuano A, Carnovale C, Clavenna A, Dellagiovanina M, Ferrajolo C, Franchi M, Ingrassiotta Y, Kirchmayer U, Lapi F, Leone R, Leoni O, Lucenteforte E, Moretti U, Mugelli A, Naldi L, Poluzzi E, Rafaniello C, Rea F, Sultana J, Tettamanti M, Traversa G, Vannacci A, Mantovani L, Corrao G. The Role of European Healthcare

Databases for Post-Marketing Drug Effectiveness, Safety and Value Evaluation: Where Does Italy Stand? *Drug Saf.* 2019 Mar;42(3):347-363

Corrao G, Cantarutti A. Building reliable evidence from real-world data: Needs, methods, cautiousness and recommendations. *Pulm Pharmacol Ther.* 2018 Dec;53:61-67

Palmieri L, Veronesi G, Corrao G, Traversa G, Ferrario MM, Nicoletti G, Di Lonardo A, Donfrancesco C, Carle F, Giampaoli S. Cardiovascular diseases monitoring: lessons from population-based registries to address future opportunities and challenges in Europe. *Arch Public Health.* 2018 Jun 28;76:31

Scotti L, Rea F, Corrao G. One-stage and two-stage meta-analysis of individual participant data led to consistent summarized evidence: lessons learned from combining multiple databases. *J Clin Epidemiol.* 2018 Mar;95:19-27

La Gamba F, Corrao G, Romio S, Sturkenboom M, Trifirò G, Schink T, de Ridder M. Combining evidence from multiple electronic health care databases: performances of one-stage and two-stage meta-analysis in matched case-control studies. *Pharmacoepidemiol Drug Saf.* 2017 Oct;26(10):1213-1219

Biffi A, Comoretto R, Arfè A, Scotti L, Merlino L, Vaghi A, Pesci A, de Marco R, Corrao G; “CRD Real-World Evidence” scientific board. Can healthcare utilization data reliably capture cases of chronic respiratory diseases? a cross-sectional investigation in Italy. *BMC Pulm Med.* 2017 Jan 19;17(1):20

Arfè A, Nicotra F, Ghirardi A, Simonetti M, Lapi F, Sturkenboom M, Corrao G. A probabilistic bias analysis for misclassified categorical exposures, with application to oral anti-hyperglycaemic drugs. *Pharmacoepidemiol Drug Saf.* 2016 Dec;25(12):1443-1450

Arfè A, Corrao G. The lag-time approach improved drug-outcome association estimates in presence of protopathic bias. *J Clin Epidemiol.* 2016 Oct;78:101-107

Corrao G, Mancina G. Generating evidence from computerized healthcare utilization databases. *Hypertension.* 2015 Mar;65(3):490-8

Arfè A, Corrao G. Tutorial: strategies addressing detection bias were reviewed and implemented for investigating the statins-diabetes association. *J Clin Epidemiol.* 2015 May;68(5):480-8

Corrao G, Ghirardi A, Segafredo G, Zambon A, Della Vedova G, Lapi F, Cipriani F, Caputi A, Vaccheri A, Gregori D, Gesuita R, Vestri A, Staniscia T, Mazzaglia G, Di Bari M; BEST investigators. User-only design to assess drug effectiveness in clinical practice: application to bisphosphonates and secondary prevention of fractures. *Pharmacoepidemiol Drug Saf.* 2014 Aug;23(8):859-67

Corrao G, Maggioni AP. [Epidemiology of heart failure]. *G Ital Cardiol (Rome).* 2014 Feb;15(2 Suppl 2):10S-15S

Corrao G, Nicotra F, Parodi A, Zambon A, Soranna D, Heiman F, Merlino L, Mancina G. External adjustment for unmeasured confounders improved drug-outcome association estimates based on health care utilization data. *J Clin Epidemiol.* 2012 Nov;65(11):1190-9.

Coloma PM, Trifirò G, Schuemie MJ, Gini R, Herings R, Hippisley-Cox J, Mazzaglia G, Picelli G, Corrao G, Pedersen L, van der Lei J, Sturkenboom M; EU-ADR Consortium. Electronic healthcare databases for active drug safety surveillance: is there enough leverage? *Pharmacoepidemiol Drug Saf.* 2012 Jun;21(6):611-21

Coloma PM, Schuemie MJ, Trifirò G, Gini R, Herings R, Hippisley-Cox J, Mazzaglia G, Giaquinto C, Corrao G, Pedersen L, van der Lei J, Sturkenboom M; EU-ADR Consortium. Combining electronic healthcare databases in Europe to allow for large-scale drug safety monitoring: the EU-ADR Project. *Pharmacoepidemiol Drug Saf.* 2011 Jan;20(1):1-11

Fornari C, Madotto F, Demaria M, Romanelli A, Pepe P, Raciti M, Tancioni V, Chini F, Trerotoli P, Bartolomeo N, Serio G, Cesana G, Corrao G. [Record-linkage procedures in epidemiology: an Italian multicentre study]. *Epidemiol Prev.* 2008 May-Jun;32(3 Suppl):79-88

Simonato L, Baldi I, Balzi D, Barchielli A, Battistella G, Canova C, Cesaroni G, Corrao G, Collini F, Conti S, Costa G, Demaria M, Fornari C, Faustini A, Galassi C, Gnani R, Inio A, Madotto F, Migliore E, Minelli G, Pellizzari M, Protti M, Romanelli A, Russo A, Saugo M, Tancioni V, Tessari R, Vianello A, Vigotti MA. [Objectives, tools and methods for an epidemiological use of electronic health archives in various areas of Italy]. *Epidemiol Prev.* 2008 May-Jun;32(3 Suppl):5-14

Bagnardi V, Botteri E, Corrao G. Empirical-Bayes adjustment improved conventional estimates in postmarketing drug-safety studies. *J Clin Epidemiol.* 2006 Nov;59(11):1162-8

Corrao G, Botteri E, Bertù L, Zambon A, Favilli S. Exploring the effect of transient exposure on the risk of acute events by means of time-window designs: an application to fluoroquinolone antibacterials and arrhythmia. *Pharmacoepidemiol Drug Saf.* 2006 Jan;15(1):31-7

Miscellaneous

Franchi M, Galassi A, Corrao G. [Extended release calcifediol and paricalcitol in the treatment of secondary hyperparathyroidism: a network meta-analysis of indirect comparison]. *G Ital Nefrol.* 2023 Feb 27;40(1):2023-vol1

Rossi M, Meggendorfer M, Zampini M, Tettamanti M, Riva E, Travaglino E, Bersanelli M, Mandelli S, Antonella Galbussera A, Mosca E, Saba E, Chiereghin C, Manes N, Milanese C, Ubezio M, Morabito L, Peano C, Soldà G, Asselta R, Duga S, Selmi C, De Santis M, Malik K, Maggioni G, Bicchieri M, Campagna A, Tentori CA, Russo A, Civilini E, Allavena P, Piazza R, Corrao G, Sala C, Termanini A, Giordano L, Detoma P, Malabaila A, Sala L, Rosso S, Zanetti R, Saitta C, Riva E, Condorelli G, Passamonti F, Santoro A, Sole F, Platzbecker U, Fenaux P, Bolli N, Castellani G, Kern W, Vassiliou GS, Haferlach T, Lucca U, Della Porta MG. Clinical relevance of clonal hematopoiesis in persons aged ≥ 80 years. *Blood.* 2021 Nov 25;138(21):2093-2105

Scavone C, Sessa M, Clementi E, Corrao G, Leone R, Mugelli A, Rossi F, Spina E, Capuano A. Real World Data on the Utilization Pattern and Safety Profile of Infliximab Originator Versus Biosimilars in Italy: A Multiregional Study. *BioDrugs.* 2018 Dec;32(6):607-617

Casula M, Scotti L, Galimberti F, Mozzanica F, Tragni E, Corrao G, Catapano AL. Use of proton pump inhibitors and risk of ischemic events in the general population. *Atherosclerosis.* 2018 Oct;277:123-129

Comoretto RI, Rea F, Lucenteforte E, Mugelli A, Trifirò G, Cascini S, Roberto G, Chinellato A, Filippelli A, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Bleeding events attributable to concurrent use of warfarin and other medications in high-risk elderly: meta-analysis and Italian population-based investigation. *Eur J Clin Pharmacol.* 2018 Aug;74(8):1061-1070

Roberto G, Bartolini C, Rea F, Onder G, Vitale C, Trifirò G, Kirchmayer U, Chinellato A, Lucenteforte E, Corrao G, Mugelli A, Lapi F, Gini R; Italian Group for Appropriate Drug

prescription in the Elderly (I-GrADE). NSAIDs utilization for musculoskeletal indications in elderly patients with cerebro/cardiovascular disease. *Eur J Clin Pharmacol.* 2018 May;74(5):637-643

Arfè A, Scotti L, Varas-Lorenzo C, Nicotra F, Zambon A, Kollhorst B, Schink T, Garbe E, Herings R, Straatman H, Schade R, Villa M, Lucchi S, Valkhoff V, Romio S, Thiessard F, Schuemie M, Pariente A, Sturkenboom M, Corrao G; Non-steroidal anti-inflammatory drugs and risk of heart failure in four European countries: nested case-control study. Safety of Non-steroidal Anti-inflammatory Drugs (SOS) Project Consortium. *BMJ.* 2016 Sep 28;354:i4857

Imberti D, Bianchi C, Zambon A, Parodi A, Merlino L, Gallerani M, Corrao G. Venous thromboembolism after major orthopaedic surgery: a population-based cohort study. *Intern Emerg Med.* 2012 Jun;7(3):243-9

Zambon A, Polo Friz H, Contiero P, Corrao G. Effect of macrolide and fluoroquinolone antibacterials on the risk of ventricular arrhythmia and cardiac arrest: an observational study in Italy using case-control, case-crossover and case-time-control designs. *Drug Saf.* 2009;32(2):159-67

Corrao G, Zambon A, Conti V, Nicotra F, La Vecchia C, Fornari C, Cesana G, Contiero P, Tagliabue G, Nappi RE, Merlino L. Menopause hormone replacement therapy and cancer risk: an Italian record linkage investigation. *Ann Oncol.* 2008 Jan;19(1):150-5

Corrao G, Zambon A, Nicotra F, Fornari C, La Vecchia C, Mezzanzanica M, Nappi RE, Merlino L, Cesana G. Persistence with oral and transdermal hormone replacement therapy and hospitalisation for cardiovascular outcomes. *Maturitas.* 2007 Jul 20;57(3):315-24

Corrao G, Zambon A, Bertù L, Mauri A, Paleari V, Rossi C, Venegoni M. Evidence of tendinitis provoked by fluoroquinolone treatment: a case-control study. *Drug Saf.* 2006;29(10):889-96