

Hsien-Yen Chang

List of Publications by Year in descending order

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85
papers

3,804
citations

168829

31
h-index

150775

59
g-index

89
all docs

89
docs citations

89
times ranked

6009
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Prediction of Persistent High Health Care Utilizers: Retrospective Analysis Using Ensemble Methodology. JMIR Medical Informatics, 2022, 10, e33212.	1.3	0
2	Comparing and validating medication complexity from insurance claims against electronic health records. Journal of Managed Care & Specialty Pharmacy, 2022, 28, 473-484.	0.5	3
3	Claims-based pharmacy markers for comprehensive medication management program case identification: Validation against concurrent and prospective healthcare costs and utilization. Research in Social and Administrative Pharmacy, 2022, , .	1.5	0
4	External Validation of and Factors Associated with the Overuse Index: a Nationwide Population-Based Study from Taiwan. Journal of General Internal Medicine, 2021, 36, 438-446.	1.3	1
5	Assessing the association between area deprivation index on COVID-19 prevalence: a contrast between rural and urban U.S. jurisdictions. AIMS Public Health, 2021, 8, 519-530.	1.1	14
6	Comparing the Predictive Effects of Patient Medication Adherence Indices in Electronic Health Record and Claims-Based Risk Stratification Models. Population Health Management, 2021, 24, 601-609.	0.8	8
7	Association of antidiabetic therapies with lower extremity amputation, mortality and healthcare cost from a nationwide retrospective cohort study in Taiwan. Scientific Reports, 2021, 11, 7000.	1.6	8
8	Early relaxation of community mitigation policies and risk of COVID-19 resurgence in the United States. Preventive Medicine, 2021, 145, 106435.	1.6	9
9	Differential impact of mitigation policies and socioeconomic status on COVID-19 prevalence and social distancing in the United States. BMC Public Health, 2021, 21, 1140.	1.2	23
10	Electronic Health Record-Based Risk Stratification: A Potential Key Ingredient to Achieving Value-Based Care. Population Health Management, 2021, 24, 654-656.	0.8	8
11	Assessing the Value of Unsupervised Clustering in Predicting Persistent High Health Care Utilizers: Retrospective Analysis of Insurance Claims Data. JMIR Medical Informatics, 2021, 9, e31442.	1.3	2
12	Impact of Area Deprivation Index on the Performance of Claims-Based Risk-Adjustment Models in Predicting Health Care Costs and Utilization. Population Health Management, 2021, 24, 403-411.	0.8	21
13	Novel population-level proxy measures for suboptimal HIV preexposure prophylaxis initiation and persistence in the USA. Aids, 2021, 35, 2375-2381.	1.0	11
14	Dipeptidyl peptidase-4 inhibitor cardiovascular safety in patients with type 2 diabetes, with cardiovascular and renal disease: a retrospective cohort study. Scientific Reports, 2021, 11, 16637.	1.6	2
15	Development of measurable criteria to identify and prioritize patients for inclusion in comprehensive medication management programs within primary care settings. Journal of Managed Care & Specialty Pharmacy, 2021, 27, 1009-1018.	0.5	2
16	Assessing the Added Value of Blood Pressure Information Derived from Electronic Health Records in Predicting Health Care Cost and Utilization. Population Health Management, 2021, , .	0.8	1
17	Comparative risk of serious infections among real-world users of biologics for psoriasis or psoriatic arthritis. Annals of the Rheumatic Diseases, 2020, 79, 285-291.	0.5	61
18	Association of Hypocalcemia and Magnesium Disorders With Thyroidectomy in Commercially Insured Patients. JAMA Otolaryngology - Head and Neck Surgery, 2020, 146, 237.	1.2	12

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19	Assessing the Impact of Neighborhood Socioeconomic Characteristics on COVID-19 Prevalence Across Seven States in the United States. <i>Frontiers in Public Health</i> , 2020, 8, 571808.	1.3	64
20	The Impact of Various Risk Assessment Time Frames on the Performance of Opioid Overdose Forecasting Models. <i>Medical Care</i> , 2020, 58, 1013-1021.	1.1	7
21	Predictive Modeling of Opioid Overdose Using Linked Statewide Medical and Criminal Justice Data. <i>JAMA Psychiatry</i> , 2020, 77, 1155.	6.0	28
22	Integrating E-Prescribing and Pharmacy Claims Data for Predictive Modeling: Comparing Costs and Utilization of Health Plan Members Who Fill Their Initial Medications with Those Who Do Not. <i>Journal of Managed Care & Specialty Pharmacy</i> , 2020, 26, 1282-1290.	0.5	9
23	Assessing the Population-Level Correlation of Medication Regimen Complexity and Adherence Indices Using Electronic Health Records and Insurance Claims. <i>Journal of Managed Care & Specialty Pharmacy</i> , 2020, 26, 860-871.	0.5	10
24	A predictive risk model for nonfatal opioid overdose in a statewide population of buprenorphine patients. <i>Drug and Alcohol Dependence</i> , 2019, 201, 127-133.	1.6	16
25	Systemic overuse of health care in a commercially insured US population, 2010–2015. <i>BMC Health Services Research</i> , 2019, 19, 280.	0.9	24
26	Exploring the use of machine learning for risk adjustment: A comparison of standard and penalized linear regression models in predicting health care costs in older adults. <i>PLoS ONE</i> , 2019, 14, e0213258.	1.1	42
27	Chronic Disease Medication Adherence After Initiation of Buprenorphine for Opioid Use Disorder. <i>Medical Care</i> , 2019, 57, 667-672.	1.1	3
28	Using trajectory models to assess the effect of hydrocodone upscheduling among chronic hydrocodone users. <i>Pharmacoepidemiology and Drug Safety</i> , 2019, 28, 70-79.	0.9	8
29	Impact of Florida's prescription drug monitoring program and pill mill law on high-risk patients: A comparative interrupted time series analysis. <i>Pharmacoepidemiology and Drug Safety</i> , 2018, 27, 422-429.	0.9	29
30	Defining and Assessing Geriatric Risk Factors and Associated Health Care Utilization Among Older Adults Using Claims and Electronic Health Records. <i>Medical Care</i> , 2018, 56, 233-239.	1.1	40
31	Impact of bundled payments on hip fracture outcomes: a nationwide population-based study. <i>International Journal for Quality in Health Care</i> , 2018, 30, 23-31.	0.9	10
32	Relationship between high-risk patients receiving prescription opioids and high-volume opioid prescribers. <i>Addiction</i> , 2018, 113, 677-686.	1.7	22
33	Treatment, short-term outcomes, and costs associated with larynx cancer care in commercially insured patients. <i>Laryngoscope</i> , 2018, 128, 91-101.	1.1	6
34	Assessing the Impact of Body Mass Index Information on the Performance of Risk Adjustment Models in Predicting Health Care Costs and Utilization. <i>Medical Care</i> , 2018, 56, 1042-1050.	1.1	26
35	Healthcare costs and utilization associated with high-risk prescription opioid use: a retrospective cohort study. <i>BMC Medicine</i> , 2018, 16, 69.	2.3	77
36	Association Between Sodium-Glucose Cotransporter 2 Inhibitors and Lower Extremity Amputation Among Patients With Type 2 Diabetes. <i>JAMA Internal Medicine</i> , 2018, 178, 1190.	2.6	120

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37	Changes in Buprenorphine-Naloxone and Opioid Pain Reliever Prescriptions After the Affordable Care Act Medicaid Expansion. <i>JAMA Network Open</i> , 2018, 1, e181588.	2.8	82
38	Risk of Gastrointestinal Bleeding Among Dabigatran Users – A Self Controlled Case Series Analysis. <i>Scientific Reports</i> , 2017, 7, 40120.	1.6	1
39	Development of a Claims-based Frailty Indicator Anchored to a Well-established Frailty Phenotype. <i>Medical Care</i> , 2017, 55, 716-722.	1.1	169
40	Effect of Direct-to-Consumer Advertising on Statin Use in the United States. <i>Medical Care</i> , 2017, 55, 759-764.	1.1	5
41	Comparing Population-based Risk-stratification Model Performance Using Demographic, Diagnosis and Medication Data Extracted From Outpatient Electronic Health Records Versus Administrative Claims. <i>Medical Care</i> , 2017, 55, 789-796.	1.1	76
42	Association of Transoral Robotic Surgery With Short-term and Long-term Outcomes and Costs of Care in Oropharyngeal Cancer Surgery. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2017, 143, 580.	1.2	39
43	Evaluating the Impact of Prescription Fill Rates on Risk Stratification Model Performance. <i>Medical Care</i> , 2017, 55, 1052-1060.	1.1	36
44	Quality indicators of laryngeal cancer care in commercially insured patients. <i>Laryngoscope</i> , 2017, 127, 2805-2812.	1.1	6
45	Relationship between Early Physician Follow-Up and 30-Day Readmission after Acute Myocardial Infarction and Heart Failure. <i>PLoS ONE</i> , 2017, 12, e0170061.	1.1	59
46	The Value of Continuity between Primary Care and Surgical Care in Colon Cancer. <i>PLoS ONE</i> , 2016, 11, e0155789.	1.1	11
47	Readmissions After Colon Cancer Surgery: Does It Matter Where Patients Are Readmitted?. <i>Journal of Oncology Practice</i> , 2016, 12, e502-e512.	2.5	8
48	Impact of prescription drug monitoring programs and pill mill laws on high-risk opioid prescribers: A comparative interrupted time series analysis. <i>Drug and Alcohol Dependence</i> , 2016, 165, 1-8.	1.6	95
49	Identifying Consistent High-cost Users in a Health Plan. <i>Medical Care</i> , 2016, 54, 852-859.	1.1	26
50	Has Choosing Wisely® affected rates of dual-energy X-ray absorptiometry use?. <i>Osteoporosis International</i> , 2016, 27, 2311-2316.	1.3	14
51	Patient perspectives of care and process and outcome quality measures for heart failure admissions in US hospitals: how are they related in the era of public reporting?. <i>International Journal for Quality in Health Care</i> , 2016, 28, 522-528.	0.9	19
52	Effect of a “pill mill” law on opioid prescribing and utilization: The case of Texas. <i>Drug and Alcohol Dependence</i> , 2016, 159, 190-197.	1.6	71
53	Risk-Adjusted Resource Allocation. <i>Asia-Pacific Journal of Public Health</i> , 2015, 27, NP958-NP971.	0.4	10
54	Fragmentation in specialist care and stage III colon cancer. <i>Cancer</i> , 2015, 121, 3316-3324.	2.0	42

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55	Impact of abuse-deterrent OxyContin on prescription opioid utilization. <i>Pharmacoepidemiology and Drug Safety</i> , 2015, 24, 197-204.	0.9	34
56	Adherence to a Novel Oral Anticoagulant Among Patients with Atrial Fibrillation. <i>Journal of Managed Care & Specialty Pharmacy</i> , 2015, 21, 1054-1062.	0.5	30
57	Collaboration Between Surgeons and Medical Oncologists and Outcomes for Patients With Stage III Colon Cancer. <i>Journal of Oncology Practice</i> , 2015, 11, e388-e397.	2.5	36
58	Emergency Room Utilization After Medically Complicated Pregnancies: A Medicaid Claims Analysis. <i>Journal of Women's Health</i> , 2015, 24, 745-754.	1.5	30
59	Effect of Florida's Prescription Drug Monitoring Program and Pill Mill Laws on Opioid Prescribing and Use. <i>JAMA Internal Medicine</i> , 2015, 175, 1642.	2.6	207
60	Risk of gastrointestinal bleeding associated with oral anticoagulants: population based retrospective cohort study. <i>BMJ, The</i> , 2015, 350, h1585-h1585.	3.0	126
61	Anti-diabetic therapies and the risk of acute pancreatitis: a nationwide retrospective cohort study from Taiwan. <i>Pharmacoepidemiology and Drug Safety</i> , 2015, 24, 567-575.	0.9	14
62	Emergency Department Visits by Children and Adolescents for Antipsychotic Drug Adverse Events. <i>JAMA Psychiatry</i> , 2015, 72, 292.	6.0	10
63	An Index for Measuring Overuse of Health Care Resources With Medicare Claims. <i>Medical Care</i> , 2015, 53, 230-236.	1.1	33
64	Identifying Possible Indicators of Systematic Overuse of Health Care Procedures With Claims Data. <i>Medical Care</i> , 2014, 52, 157-163.	1.1	51
65	The impact of morbidity trajectories on identifying high-cost cases: using Taiwan's National Health Insurance as an example. <i>Journal of Public Health</i> , 2014, 36, 300-307.	1.0	9
66	Emergency Department Visits by Adults for Psychiatric Medication Adverse Events. <i>JAMA Psychiatry</i> , 2014, 71, 1006.	6.0	120
67	Prevalence and treatment of pain in EDs in the United States, 2000 to 2010. <i>American Journal of Emergency Medicine</i> , 2014, 32, 421-431.	0.7	128
68	Utilization of Primary and Obstetric Care After Medically Complicated Pregnancies: An Analysis of Medical Claims Data. <i>Journal of General Internal Medicine</i> , 2014, 29, 636-645.	1.3	144
69	Laboratory Testing for and Diagnosis of Nutritional Deficiencies in Pregnancy Before and After Bariatric Surgery. <i>Journal of Women's Health</i> , 2014, 23, 129-137.	1.5	29
70	Screening and Diagnosis of Micronutrient Deficiencies Before and After Bariatric Surgery. <i>Obesity Surgery</i> , 2013, 23, 1581-1589.	1.1	83
71	Glucagonlike Peptide 1-Based Therapies and Risk of Hospitalization for Acute Pancreatitis in Type 2 Diabetes Mellitus. <i>JAMA Internal Medicine</i> , 2013, 173, 534.	2.6	347
72	Impact of Bariatric Surgery on Health Care Costs of Obese Persons. <i>JAMA Surgery</i> , 2013, 148, 555.	2.2	119

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73	The State of Overuse Measurement. <i>Medical Care Research and Review</i> , 2013, 70, 473-496.	1.0	44
74	Ambulatory Diagnosis and Treatment of Nonmalignant Pain in the United States, 2000â€“2010. <i>Medical Care</i> , 2013, 51, 870-878.	1.1	268
75	Change in claims-based diabetes medications is a diabetes improvement indicator. <i>American Journal of Managed Care</i> , 2013, 19, 572-8.	0.8	0
76	Impact of Bariatric Surgery on Health Care Utilization and Costs Among Patients With Diabetes. <i>Medical Care</i> , 2012, 50, 58-65.	1.1	29
77	Risk of complications after bariatric surgery among individuals with and without type 2 diabetes mellitus. <i>Surgery for Obesity and Related Diseases</i> , 2012, 8, 305-330.	1.0	15
78	Clinical Outcomes after Bariatric Surgery: A Five-Year Matched Cohort Analysis in Seven US States. <i>Obesity Surgery</i> , 2012, 22, 749-763.	1.1	44
79	Predicting costs with diabetes complications severity index in claims data. <i>American Journal of Managed Care</i> , 2012, 18, 213-9.	0.8	32
80	Validating the adapted Diabetes Complications Severity Index in claims data. <i>American Journal of Managed Care</i> , 2012, 18, 721-6.	0.8	190
81	Morbidity Trajectories as Predictors of Utilization. <i>Medical Care</i> , 2011, 49, 918-923.	1.1	19
82	Comparison of alternative risk adjustment measures for predictive modeling: high risk patient case finding using Taiwan's National Health Insurance claims. <i>BMC Health Services Research</i> , 2010, 10, 343.	0.9	21
83	An in-depth assessment of a diagnosis-based risk adjustment model based on national health insurance claims: the application of the Johns Hopkins Adjusted Clinical Group case-mix system in Taiwan. <i>BMC Medicine</i> , 2010, 8, 7.	2.3	39
84	Development of a Claims-Based Risk Score to Identify Obese Individuals. <i>Population Health Management</i> , 2010, 13, 201-207.	0.8	7
85	Ambulatory Specialist Use by Nonhospitalized Patients in US Health Plans. <i>Journal of Ambulatory Care Management</i> , 2009, 32, 216-225.	0.5	49