Rosalind M Eggo

List of Publications by Citations

143 papers	12,151 citations	42 h-index	110 g-index
177 ext. papers	17,232 ext. citations	11.6 avg, IF	6.9 L-index

#	Paper	IF	Citations
143	Feasibility of controlling COVID-19 outbreaks by isolation of cases and contacts. *The Lancet Global Health*, **2020**, 8, e488-e496	13.6	1460
142	Early dynamics of transmission and control of COVID-19: a mathematical modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 553-558	25.5	1372
141	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. *Lancet Public Health, The*, **2020**, 5, e261-e270	22.4	1139
140	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. *Science*, **2021**, 372,	33.3	1121
139	Age-dependent effects in the transmission and control of COVID-19 epidemics. *Nature Medicine*, **2020**, 26, 1205-1211	50.5	819
138	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. *Lancet Public Health, The*, **2020**, 5, e375-e385	22.4	453
137	Global, regional, and national estimates of the population at increased risk of severe COVID-19 due to underlying health conditions in 2020: a modelling study. *The Lancet Global Health*, **2020**, 8, e1003-e1017	13.6	444
136	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. *Lancet Infectious Diseases, The*, **2020**, 20, 1151-1160	25.5	416
135	Susceptibility to SARS-CoV-2 Infection Among Children and Adolescents Compared With Adults: A Systematic Review and Meta-analysis. *JAMA Pediatrics*, **2021**, 175, 143-156	8.3	383
134	Estimating the infection and case fatality ratio for coronavirus disease (COVID-19) using age-adjusted data from the outbreak on the Diamond Princess cruise ship, February 2020. *Eurosurveillance*, **2020**, 25,	19.8	277
133	Early dynamics of transmission and control of COVID-19: a mathematical modelling study		248
132	Secondary attack rate and superspreading events for SARS-CoV-2. *Lancet, The*, **2020**, 395, e47	40	239
131	Effectiveness of airport screening at detecting travellers infected with novel coronavirus (2019-nCoV). *Eurosurveillance*, **2020**, 25,	19.8	189
130	Transmission Dynamics of Zika Virus in Island Populations: A Modelling Analysis of the 2013-14 French Polynesia Outbreak. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004726	4.8	184
129	Routine childhood immunisation during the COVID-19 pandemic in Africa: a benefit-risk analysis of health benefits versus excess risk of SARS-CoV-2 infection. *The Lancet Global Health*, **2020**, 8, e1264-e1272	13.6	154
128	The effect of control strategies that reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China		151
127	Cholera epidemic in Yemen, 2016-18: an analysis of surveillance data. *The Lancet Global Health*, **2018**, 6, e680-e690	13.6	135

126	HIV infection and COVID-19 death: a population-based cohort analysis of UK primary care data and linked national death registrations within the OpenSAFELY platform. *Lancet HIV,the*, **2021**, 8, e24-e32	7.8	132
125	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England		120
124	Age-dependent effects in the transmission and control of COVID-19 epidemics		112
123	Ethnic differences in SARS-CoV-2 infection and COVID-19-related hospitalisation, intensive care unit admission, and death in 17 million adults in England: an observational cohort study using the OpenSAFELY platform. *Lancet, The*, **2021**, 397, 1711-1724	40	103
122	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. *Wellcome Open Research*,5, 112	4.8	98
121	Using a real-world network to model localized COVID-19 control strategies. *Nature Medicine*, **2020**, 26, 1616-1622	50.5	97
120	Case fatality risk of the SARS-CoV-2 variant of concern B.1.1.7 in England, 16 November to 5 February. *Eurosurveillance*, **2021**, 26,	19.8	93
119	Modelling COVID-19. *Nature Reviews Physics*, **2020**, 1-3	23.6	91
118	Feasibility of controlling 2019-nCoV outbreaks by isolation of cases and contacts		89
117	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. *BMC Medicine*, **2020**, 18, 332	11.4	80
116	The effect of non-pharmaceutical interventions on COVID-19 cases, deaths and demand for hospital services in the UK: a modelling study		78
115	Outbreak analytics: a developing data science for informing the response to emerging pathogens. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2019**, 374, 20180276	5.8	76
114	Persistence and clearance of Ebola virus RNA from seminal fluid of Ebola virus disease survivors: a longitudinal analysis and modelling study. *The Lancet Global Health*, **2017**, 5, e80-e88	13.6	75
113	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. *Lancet Public Health, The*, **2021**, 6, e175-e183	22.4	69
112	Real-time forecasting of infectious disease dynamics with a stochastic semi-mechanistic model. *Epidemics*, **2018**, 22, 56-61	5.1	68
111	Key questions for modelling COVID-19 exit strategies. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20201405	4.4	65
110	Spatial dynamics of the 1918 influenza pandemic in England, Wales and the United States. *Journal of the Royal Society Interface*, **2011**, 8, 233-43	4.1	64
109	Behavioral Change Towards Reduced Intensity Physical Activity Is Disproportionately Prevalent Among Adults With Serious Health Issues or Self-Perception of High Risk During the UK COVID-19 Lockdown. *Frontiers in Public Health*, **2020**, 8, 575091	6	60

108	The impact of control strategies and behavioural changes on the elimination of Ebola from Lofa County, Liberia. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	58
107	Estimating the time-varying reproduction number of SARS-CoV-2 using national and subnational case counts. *Wellcome Open Research*,5, 112	4.8	58
106	The potential health and economic value of SARS-CoV-2 vaccination alongside physical distancing in the UK: a transmission model-based future scenario analysis and economic evaluation. *Lancet Infectious Diseases, The*, **2021**, 21, 962-974	25.5	57
105	Comparative Analysis of Dengue and Zika Outbreaks Reveals Differences by Setting and Virus. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0005173	4.8	56
104	Effectiveness of Ring Vaccination as Control Strategy for Ebola Virus Disease. *Emerging Infectious Diseases*, **2016**, 22, 105-8	10.2	55
103	Influenza interaction with cocirculating pathogens and its impact on surveillance, pathogenesis, and epidemic profile: A key role for mathematical modelling. *PLoS Pathogens*, **2018**, 14, e1006770	7.6	45
102	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. *ELife*, **2020**, 9,	8.9	43
101	Assessing the performance of real-time epidemic forecasts: A case study of Ebola in the Western Area region of Sierra Leone, 2014-15. *PLoS Computational Biology*, **2019**, 15, e1006785	5	41
100	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. *BMC Medicine*, **2020**, 18, 316	11.4	38
99	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. *BMC Medicine*, **2020**, 18, 324	11.4	36
98	Factors associated with deaths due to COVID-19 versus other causes: population-based cohort analysis of UK primary care data and linked national death registrations within the OpenSAFELY platform. *Lancet Regional Health - Europe, The*, **2021**, 6, 100109		36
97	Respiratory virus transmission dynamics determine timing of asthma exacerbation peaks: Evidence from a population-level model. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2194-9	11.5	35
96	Projecting the end of the Zika virus epidemic in Latin America: a modelling analysis. *BMC Medicine*, **2018**, 16, 180	11.4	35
95	Changing travel patterns in China during the early stages of the COVID-19 pandemic. *Nature Communications*, **2020**, 11, 5012	17.4	31
94	Use of non-steroidal anti-inflammatory drugs and risk of death from COVID-19: an OpenSAFELY cohort analysis based on two cohorts. *Annals of the Rheumatic Diseases*, **2021**, 80, 943-951	2.4	31
93	Trust and transparency in times of crisis: Results from an online survey during the first wave (April 2020) of the COVID-19 epidemic in the UK. *PLoS ONE*, **2021**, 16, e0239247	3.7	29
92	Projecting contact matrices in 177 geographical regions: An update and comparison with empirical data for the COVID-19 era. *PLoS Computational Biology*, **2021**, 17, e1009098	5	28
91	Strategies to reduce the risk of SARS-CoV-2 re-introduction from international travellers		27

90	Inferring the number of COVID-19 cases from recently reported deaths. *Wellcome Open Research*, **2020**, 5, 78	4.8	25
89	How many are at increased risk of severe COVID-19 disease? Rapid global, regional and national estimates for 2020		25
88	Effectiveness of interventions targeting air travellers for delaying local outbreaks of SARS-CoV-2. *Journal of Travel Medicine*, **2020**, 27,	12.9	24
87	Duration of Ebola virus RNA persistence in semen of survivors: population-level estimates and projections. *Eurosurveillance*, **2015**, 20, 30083	19.8	22
86	Association between living with children and outcomes from covid-19: OpenSAFELY cohort study of 12 million adults in England. *BMJ, The*, **2021**, 372, n628	5.9	22
85	Projecting contact matrices in 177 geographical regions: an update and comparison with empirical data for the COVID-19 era		20
84	Trends and clinical characteristics of COVID-19 vaccine recipients: a federated analysis of 57.9 million patients primary care records in situ using OpenSAFELY		20
83	Effect of HPV vaccination and cervical cancer screening in England by ethnicity: a modelling study. *Lancet Public Health, The*, **2018**, 3, e44-e51	22.4	19
82	Risks of covid-19 hospital admission and death for people with learning disability: population based cohort study using the OpenSAFELY platform. *BMJ, The*, **2021**, 374, n1592	5.9	16
81	Estimating the probability of demonstrating vaccine efficacy in the declining Ebola epidemic: a Bayesian modelling approach. *BMJ Open*, **2015**, 5, e009346	3	15
80	Epidemic Wave Dynamics Attributable to Urban Community Structure: A Theoretical Characterization of Disease Transmission in a Large Network. *Journal of Medical Internet Research*, **2015**, 17, e169	7.6	15
79	Transmission dynamics of Zika virus in island populations: a modelling analysis of the 2013-14 French Polynesia outbreak		15
78	The effect of travel restrictions on the geographical spread of COVID-19 between large cities in China: a modelling study. *BMC Medicine*, **2020**, 18, 259	11.4	15
77	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study		14
76	The contribution of asymptomatic SARS-CoV-2 infections to transmission - a model-based analysis of the Diamond Princess outbreak		14
75	Ethnic differences in COVID-19 infection, hospitalisation, and mortality: an OpenSAFELY analysis of 17 million adults in England		14
74	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections		13
73	Severity of SARS-CoV-2 alpha variant (B.1.1.7) in England. *Clinical Infectious Diseases*, **2021**,	11.6	13

54	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. *BMC Medicine*, **2021**, 19, 233	11.4	7
53	Control of Ebola virus disease outbreaks: Comparison of health care worker-targeted and community vaccination strategies. *Epidemics*, **2019**, 27, 106-114	5.1	6
52	An online decision tree for vaccine efficacy trial design during infectious disease epidemics: The InterVax-Tool. *Vaccine*, **2019**, 37, 4376-4381	4.1	6
51	Overall and cause-specific hospitalisation and death after COVID-19 hospitalisation in England: A cohort study using linked primary care, secondary care, and death registration data in the OpenSAFELY platform.. *PLoS Medicine*, **2022**, 19, e1003871	11.6	6
50	Identifying Care Home Residents in Electronic Health Records - An OpenSAFELY Short Data Report. *Wellcome Open Research*, **2021**, 6, 90	4.8	6
49	Detecting behavioural changes in human movement to inform the spatial scale of interventions against COVID-19. *PLoS Computational Biology*, **2021**, 17, e1009162	5	6
48	Extremely high SARS-CoV-2 seroprevalence in a strictly-Orthodox Jewish community in the UK		6
47	UK prevalence of underlying conditions which increase the risk of severe COVID-19 disease: a point prevalence study using electronic health records. *BMC Public Health*, **2021**, 21, 484	4.1	6
46	OpenSAFELY: impact of national guidance on switching anticoagulant therapy during COVID-19 pandemic. *Open Heart*, **2021**, 8,	3	5
45	Inferring the number of COVID-19 cases from recently reported deaths **2020**,		5
44	Determinants of Transmission Risk During the Late Stage of the West African Ebola Epidemic. *American Journal of Epidemiology*, **2019**, 188, 1319-1327	3.8	4
43	Integrating economic and health evidence to inform Covid-19 policy in low- and middle- income countries. *Wellcome Open Research*,5, 272	4.8	4
42	Mortality among Care Home Residents in England during the first and second waves of the COVID-19 pandemic: an observational study of 4.3 million adults over the age of 65.. *Lancet Regional Health - Europe, The*, **2022**, 14, 100295		4
41	COVID-19 vaccination in Sindh Province, Pakistan: A modelling study of health impact and cost-effectiveness. *PLoS Medicine*, **2021**, 18, e1003815	11.6	4
40	Optimising social mixing strategies to mitigate the impact of COVID-19 in six European countries: a mathematical modelling study		4
39	Detecting behavioural changes in human movement to inform the spatial scale of interventions against COVID-19		4
38	Case fatality risk of the SARS-CoV-2 variant of concern B.1.1.7 in England		4
37	On the fallibility of simulation models in informing pandemic responses - Authors' reply. *The Lancet Global Health*, **2020**, 8, e778-e779	13.6	3

36	Vaccine Confidence and Hesitancy at the Start of COVID-19 Vaccine Deployment in the UK: An Embedded Mixed-Methods Study. *Frontiers in Public Health*, **2021**, 9, 745630	6	3
35	Models of COVID-19 vaccine prioritisation: a systematic literature search and narrative review. *BMC Medicine*, **2021**, 19, 318	11.4	3
34	Assessing the performance of real-time epidemic forecasts: A case study of Ebola in the Western Area Region of Sierra Leone, 2014-15		3
33	Changing travel patterns in China during the early stages of the COVID-19 pandemic		3
32	Trust and Transparency in times of Crisis: Results from an Online Survey During the First Wave (April 2020) of the COVID-19 Epidemic in the UK		3
31	OpenSAFELY: impact of national guidance on switching from warfarin to direct oral anticoagulants (DOACs) in early phase of COVID-19 pandemic in England		3
30	Exploring equity in health and poverty impacts of control measures for SARS-CoV-2 in six countries. *BMJ Global Health*, **2021**, 6,	6.6	3
29	Rates of serious clinical outcomes in survivors of hospitalisation with COVID-19: a descriptive cohort study within the OpenSAFELY platform		3
28	Expected Duration of Adverse Pregnancy Outcomes after Zika Epidemic. *Emerging Infectious Diseases*, **2018**, 24,	10.2	3
27	Pneumococcal conjugate vaccine use during humanitarian crises. *Vaccine*, **2019**, 37, 6787-6792	4.1	2
26	OpenSAFELY NHS Service Restoration Observatory 1: primary care clinical activity in England during the first wave of COVID-19. *British Journal of General Practice*, **2021**,	1.6	2
25	Association between warfarin and COVID-19-related outcomes compared with direct oral anticoagulants: population-based cohort study. *Journal of Hematology and Oncology*, **2021**, 14, 172	22.4	2
24	Comparative effectiveness of ChAdOx1 versus BNT162b2 COVID-19 vaccines in Health and Social Care workers in England: a cohort study using OpenSAFELY		2
23	Effect of vaccinating health care workers to control Ebola virus disease: a modelling analysis of outbreak data		2
22	Changes in the rate of cardiometabolic and pulmonary events during the COVID-19 pandemic		2
21	SARS-CoV-2 infection risk during delivery of childhood vaccination campaigns: a modelling study. *BMC Medicine*, **2021**, 19, 198	11.4	2
20	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. *Nature Communications*, **2021**, 12, 5412	17.4	2
19	Risk of severe COVID-19 outcomes associated with immune-mediated inflammatory diseases and immune modifying therapies: a nationwide cohort study in the OpenSAFELY platform		2

18	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model.. *BMC Public Health*, **2022**, 22, 1003	4.1	2
17	Feasibility of controlling COVID-19 - Authors' reply. *The Lancet Global Health*, **2020**, 8, e775	13.6	1
16	Seroprevalence of SARS-Cov-2 Antibodies in Adults, Arkhangelsk, Russia.. *Emerging Infectious Diseases*, **2022**, 28, 463-465	10.2	1
15	Projecting the end of the Zika virus epidemic in Latin America: a modelling analysis		1
14	UK prevalence of underlying conditions which increase the risk of severe COVID-19 disease: a point prevalence study using electronic health records		1
13	Real-time monitoring of COVID-19 dynamics using automated trend fitting and anomaly detection		1
12	Guiding Vaccine Efficacy Trial Design During Public Health Emergencies: An interactive web-based decision support tool		1
11	Seasonal influenza vaccination in Kenya: an economic evaluation using dynamic transmission modelling. *BMC Medicine*, **2020**, 18, 223	11.4	1
10	OpenSAFELY: Risks of COVID-19 hospital admission and death for people with learning disabilities - a cohort study		1
9	COVID-19 vaccination in Sindh Province, Pakistan: a modelling study of health impact and cost-effectiveness		1
8	Predicting COVID-19 related death using the OpenSAFELY platform		1
7	Using high-resolution contact networks to evaluate SARS-CoV-2 transmission and control in large-scale multi-day events.. *Nature Communications*, **2022**, 13, 1956	17.4	1
6	Potentially inappropriate prescribing of DOACs to people with mechanical heart valves: A federated analysis of 57.9 million patients' primary care records in situ using OpenSAFELY.. *Thrombosis Research*, **2022**, 211, 150-153	8.2	0
5	Competition between RSV and influenza: Limits of modelling inference from surveillance data. *Epidemics*, **2021**, 35, 100460	5.1	0
4	Ethnic disparities in COVID-19: increased risk of infection or severe disease? - Authors' reply. *Lancet, The*, **2021**, 398, 390	40	0
3	Reproducible disease phenotyping at scale: Example of coronary artery disease in UK Biobank.. *PLoS ONE*, **2022**, 17, e0264828	3.7	0
2	Invisible spread of SARS-CoV-2 - Authors' reply. *Lancet Infectious Diseases, The*, **2020**, 20, 1012	25.5	
1	Comparison of methods for predicting COVID-19-related death in the general population using the OpenSAFELY platform.. *Diagnostic and Prognostic Research*, **2022**, 6, 6	5.5	