

Joshua L Warren

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

4,612
citations

270111

25
h-index

162838

57
g-index

140
all docs

140
docs citations

140
times ranked

8400
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing community-level exposure to social vulnerability and isolation: spatial patterning and urban-rural differences. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2023, 33, 198-206.	1.8	9
2	Geographic Variation in the Utilization of and Mortality After Emergency General Surgery Operations in the Northeastern and Southeastern United States. <i>Annals of Surgery</i> , 2022, 275, 340-347.	2.1	3
3	Odds of Testing Positive for SARS-CoV-2 Following Receipt of 3 vs 2 Doses of the BNT162b2 mRNA Vaccine. <i>JAMA Internal Medicine</i> , 2022, 182, 179.	2.6	128
4	Assessing Unconventional Oil and Gas Exposure in the Appalachian Basin: Comparison of Exposure Surrogates and Residential Drinking Water Measurements. <i>Environmental Science & Technology</i> , 2022, 56, 1091-1103.	4.6	14
5	<i>Plasmodium falciparum</i> genomic surveillance reveals spatial and temporal trends, association of genetic and physical distance, and household clustering. <i>Scientific Reports</i> , 2022, 12, 938.	1.6	13
6	Impact of close interpersonal contact on COVID-19 incidence: Evidence from 1 year of mobile device data. <i>Science Advances</i> , 2022, 8, eabi5499.	4.7	19
7	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel. <i>Science</i> , 2022, 375, 1151-1154.	6.0	109
8	Relative timing of respiratory syncytial virus epidemics in summer 2021 across the United States was similar to a typical winter season. <i>Influenza and Other Respiratory Viruses</i> , 2022, 16, 617-620.	1.5	9
9	Phylogeography and transmission of <i>M. tuberculosis</i> in Moldova: A prospective genomic analysis. <i>PLoS Medicine</i> , 2022, 19, e1003933.	3.9	16
10	A hierarchical Bayesian entry time realignment method to study the long-term natural history of diseases. <i>Scientific Reports</i> , 2022, 12, 4869.	1.6	4
11	Racial/Ethnic Segregation and Access to COVID-19 Testing: Spatial Distribution of COVID-19 Testing Sites in the Four Largest Highly Segregated Cities in the United States. <i>American Journal of Public Health</i> , 2022, 112, 518-526.	1.5	23
12	Spatiotemporal Patterns of Diarrhea Incidence in Ghana and the Impact of Meteorological and Socio-Demographic Factors. , 2022, 2, .		3
13	Rapid emergence of SARS-CoV-2 Omicron variant is associated with an infection advantage over Delta in vaccinated persons. <i>Med</i> , 2022, 3, 325-334.e4.	2.2	60
14	Where Is Air Quality Improving, and Who Benefits? A Study of PM2.5 and Ozone Over 15 Years. <i>American Journal of Epidemiology</i> , 2022, 191, 1258-1269.	1.6	11
15	A nested case-control study of serum polychlorinated biphenyls and papillary thyroid cancer risk among U.S. military service members. <i>Environmental Research</i> , 2022, 212, 113367.	3.7	9
16	Declines in Pneumonia Mortality Following the Introduction of Pneumococcal Conjugate Vaccines in Latin American and Caribbean Countries. <i>Clinical Infectious Diseases</i> , 2021, 73, 306-313.	2.9	24
17	Association of maternal ozone exposure with term low birth weight and susceptible window identification. <i>Environment International</i> , 2021, 146, 106208.	4.8	27
18	Serotype Patterns of Pneumococcal Disease in Adults Are Correlated With Carriage Patterns in Older Children. <i>Clinical Infectious Diseases</i> , 2021, 72, e768-e775.	2.9	10

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19	Exposure to polychlorinated biphenyls and organochlorine pesticides and thyroid cancer in connecticut women. <i>Environmental Research</i> , 2021, 192, 110333.	3.7	29
20	Development of a Treatment-decision Algorithm for Human Immunodeficiency Virus-uninfected Children Evaluated for Pulmonary Tuberculosis. <i>Clinical Infectious Diseases</i> , 2021, 73, e904-e912.	2.9	19
21	Impact of iStent Micro-Bypass Shunt on Medicare Part B Glaucoma Surgical Expenditure. <i>Ophthalmology Glaucoma</i> , 2021, 4, 131-138.	0.9	10
22	The Dynamics of Infectious Diseases Associated With Injection Drug Use in Lawrence and Lowell, Massachusetts. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab128.	0.4	9
23	Incorporating Information on Control Diseases Across Space and Time to Improve Estimation of the Population-level Impact of Vaccines. <i>Epidemiology</i> , 2021, 32, 360-367.	1.2	1
24	82125 Multiple epidemics of multidrug-resistant tuberculosis revealed by spatial disease mapping and whole-genome sequencing analysis in urban China. <i>Journal of Clinical and Translational Science</i> , 2021, 5, 5-6.	0.3	0
25	Spatial distributed lag data fusion for estimating ambient air pollution. <i>Annals of Applied Statistics</i> , 2021, 15, 323-342.	0.5	2
26	The Impact of Changes in Diagnostic Testing Practices on Estimates of COVID-19 Transmission in the United States. <i>American Journal of Epidemiology</i> , 2021, 190, 1908-1917.	1.6	49
27	NO2 exposure and lung function decline in a cohort of adults in Mysore, India. <i>Environmental Research Communications</i> , 2021, 3, 055001.	0.9	4
28	Incidence and prevalence of tuberculosis in incarcerated populations: a systematic review and meta-analysis. <i>Lancet Public Health</i> , The, 2021, 6, e300-e308.	4.7	54
29	Maximizing the Efficiency of Active Case Finding for SARS-CoV-2 Using Bandit Algorithms. <i>Medical Decision Making</i> , 2021, 41, 970-977.	1.2	4
30	Community factors associated with local epidemic timing of respiratory syncytial virus: A spatiotemporal modeling study. <i>Science Advances</i> , 2021, 7, .	4.7	14
31	Community concern and government response: Identifying socio-economic and demographic predictors of oil and gas complaints and drinking water impairments in Pennsylvania. <i>Energy Research and Social Science</i> , 2021, 76, 102070.	3.0	11
32	Mapping partner drug resistance to guide antimalarial combination therapy policies in sub-Saharan Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
33	Relationship between flood severity and risk of hospitalisation in the Mekong River Delta of Vietnam. <i>Occupational and Environmental Medicine</i> , 2021, 78, 676-678.	1.3	2
34	A Bayesian approach for estimating typhoid fever incidence from large-scale facility-based passive surveillance data. <i>Statistics in Medicine</i> , 2021, 40, 5853-5870.	0.8	8
35	Associations between PM2.5 and term low birth weight in a North Carolina cohort and effect modification by extreme heat events. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
36	Temporal changes in associations between high temperature and hospitalizations by greenspace: Analysis in the Medicare population in 40 U.S. northeast counties. <i>Environment International</i> , 2021, 156, 106737.	4.8	13

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37	Excess Cerebrovascular Mortality in the United States During the COVID-19 Pandemic. <i>Stroke</i> , 2021, 52, 563-572.	1.0	30
38	Critical window variable selection: estimating the impact of air pollution on very preterm birth. <i>Biostatistics</i> , 2020, 21, 790-806.	0.9	20
39	Multivariate spatiotemporal modeling of drug- and alcohol-poisoning deaths in New York City, 2009–2014. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020, 32, 100306.	0.9	2
40	Successive blood meals enhance virus dissemination within mosquitoes and increase transmission potential. <i>Nature Microbiology</i> , 2020, 5, 239-247.	5.9	77
41	A Nonstationary Spatial Covariance Model for Processes Driven by Point Sources. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2020, 25, 415-430.	0.7	1
42	Evaluating post-vaccine expansion patterns of pneumococcal serotypes. <i>Vaccine</i> , 2020, 38, 7756-7763.	1.7	13
43	<p>GlaucoMap – Distribution of Glaucoma Surgical Procedures in the United States</p>. <i>Clinical Ophthalmology</i> , 2020, Volume 14, 2551-2560.	0.9	22
44	<p>Microinvasive Glaucoma Surgical Training in United States Ophthalmology Residency Programs</p>. <i>Clinical Ophthalmology</i> , 2020, Volume 14, 1785-1789.	0.9	6
45	Children as sentinels of tuberculosis transmission: disease mapping of programmatic data. <i>BMC Medicine</i> , 2020, 18, 234.	2.3	1
46	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. <i>Nature Biotechnology</i> , 2020, 38, 1164-1167.	9.4	785
47	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , 2020, 383, 1283-1286.	13.9	823
48	Estimating Serotype-specific Efficacy of Pneumococcal Conjugate Vaccines Using Hierarchical Models. <i>Epidemiology</i> , 2020, 31, 259-262.	1.2	6
49	A Spatially Varying Distributed Lag Model with Application to an Air Pollution and Term Low Birth Weight Study. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020, 69, 681-696.	0.5	7
50	Low-cost NO2 monitoring and predictions of urban exposure using universal kriging and land-use regression modelling in Mysore, India. <i>Atmospheric Environment</i> , 2020, 226, 117395.	1.9	8
51	A Multiregion Analysis of Shale Drilling Activity and Rates of Sexually Transmitted Infections in the United States. <i>Sexually Transmitted Diseases</i> , 2020, 47, 254-260.	0.8	3
52	Exposure to multiple metals and prevalence for preeclampsia in Taiyuan, China. <i>Environment International</i> , 2020, 145, 106098.	4.8	33
53	Estimating the power to detect a change caused by a vaccine from time series data. <i>Gates Open Research</i> , 2020, 4, 27.	2.0	1
54	Estimating the power to detect a change caused by a vaccine from time series data. <i>Gates Open Research</i> , 2020, 4, 27.	2.0	0

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55	Impact of pneumococcal conjugate vaccine uptake on childhood pneumonia mortality across income levels in Brazil, Colombia, and Peru. <i>Gates Open Research</i> , 2020, 4, 136.	2.0	4
56	Integrative statistical methods for exposure mixtures and health. <i>Annals of Applied Statistics</i> , 2020, 14, 1945-1963.	0.5	5
57	Multiple metal concentrations and gestational diabetes mellitus in Taiyuan, China. <i>Chemosphere</i> , 2019, 237, 124412.	4.2	47
58	Phylogeny-based tumor subclone identification using a Bayesian feature allocation model. <i>Annals of Applied Statistics</i> , 2019, 13, .	0.5	5
59	A land use regression model of nitrogen dioxide and fine particulate matter in a complex urban core in Lanzhou, China. <i>Environmental Research</i> , 2019, 177, 108597.	3.7	19
60	Racial and ethnic disparities in adverse birth outcomes: Differences by racial residential segregation. <i>SSM - Population Health</i> , 2019, 8, 100417.	1.3	27
61	Improved Detection of Visual Field Progression Using a Spatiotemporal Boundary Detection Method. <i>Scientific Reports</i> , 2019, 9, 4642.	1.6	3
62	<p>Seven- and eight-year trends in resident and fellow glaucoma surgical experience</p>. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 303-309.	0.9	19
63	A spatially varying change points model for monitoring glaucoma progression using visual field data. <i>Spatial Statistics</i> , 2019, 30, 1-26.	0.9	2
64	Exposure to Polybrominated Diphenyl Ethers and a Polybrominated Biphenyl and Risk of Thyroid Cancer in Women: Single and Multi-Pollutant Approaches. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1755-1764.	1.1	22
65	Suspected heroin-related overdoses incidents in Cincinnati, Ohio: A spatiotemporal analysis. <i>PLoS Medicine</i> , 2019, 16, e1002956.	3.9	17
66	Challenges in Estimating the Impact of Vaccination with Sparse Data. <i>Epidemiology</i> , 2019, 30, 61-68.	1.2	19
67	Associations Between Ambient Air Pollutant Concentrations and Birth Weight. <i>Epidemiology</i> , 2019, 30, 624-632.	1.2	22
68	A Population-Based Matched-Sibling Analysis Estimating the Associations Between First Interpregnancy Interval and Birth Outcomes. <i>American Journal of Epidemiology</i> , 2019, 188, 9-16.	1.6	25
69	Regan et al. Reply to "Sibling Comparison Design in Birth-Spacing Studies". <i>American Journal of Epidemiology</i> , 2019, 188, 22-23.	1.6	0
70	Diagnosing Glaucoma Progression With Visual Field Data Using a Spatiotemporal Boundary Detection Method. <i>Journal of the American Statistical Association</i> , 2019, 114, 1063-1074.	1.8	10
71	Maternal residential exposure to specific agricultural pesticide active ingredients and birth defects in a 2003-2005 North Carolina birth cohort. <i>Birth Defects Research</i> , 2019, 111, 312-323.	0.8	30
72	Differences in the Impact of Pneumococcal Serotype Replacement in Individuals With and Without Underlying Medical Conditions. <i>Clinical Infectious Diseases</i> , 2019, 69, 100-106.	2.9	15

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73	Diarrhea Patterns and Climate: A Spatiotemporal Bayesian Hierarchical Analysis of Diarrheal Disease in Afghanistan. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 525-533.	0.6	17
74	Internal migration and transmission dynamics of tuberculosis in Shanghai, China: an epidemiological, spatial, genomic analysis. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 788-795.	4.6	85
75	Association Between Sporadic Legionellosis and River Systems in Connecticut. <i>Journal of Infectious Diseases</i> , 2018, 217, 179-187.	1.9	25
76	Factors Associated with Supermarket and Convenience Store Closure: A Discrete Time Spatial Survival Modelling Approach. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2018, 181, 783-802.	0.6	5
77	Corneal hysteresis and anterior segment optical coherence tomography anatomical parameters in primary angle closure suspects. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 468-472.	1.3	4
78	Utility of combining spectral domain optical coherence tomography structural parameters for the diagnosis of early Glaucoma: a mini-review. <i>Eye and Vision (London, England)</i> , 2018, 5, 9.	1.4	25
79	Investigating the Impact of Maternal Residential Mobility on Identifying Critical Windows of Susceptibility to Ambient Air Pollution During Pregnancy. <i>American Journal of Epidemiology</i> , 2018, 187, 992-1000.	1.6	53
80	Quality of life after surgery for intracranial meningioma. <i>Cancer</i> , 2018, 124, 161-166.	2.0	47
81	Impacts of gestational age uncertainty in estimating associations between preterm birth and ambient air pollution. <i>Environmental Epidemiology</i> , 2018, 2, e031.	1.4	1
82	Spatial Modeling to Identify Sociodemographic Predictors of Hydraulic Fracturing Wastewater Injection Wells in Ohio Census Block Groups. <i>Environmental Health Perspectives</i> , 2018, 126, 067008.	2.8	23
83	Bayesian adaptive algorithms for locating HIV mobile testing services. <i>BMC Medicine</i> , 2018, 16, 155.	2.3	9
84	Validation of the UNC OCT Index for the Diagnosis of Early Glaucoma. <i>Translational Vision Science and Technology</i> , 2018, 7, 16.	1.1	11
85	Reply to Rucinski et al. <i>Journal of Infectious Diseases</i> , 2018, 218, 670-671.	1.9	0
86	Investigating spillover of multidrug-resistant tuberculosis from a prison: a spatial and molecular epidemiological analysis. <i>BMC Medicine</i> , 2018, 16, 122.	2.3	39
87	A community-based evaluation of proximity to unconventional oil and gas wells, drinking water contaminants, and health symptoms in Ohio. <i>Environmental Research</i> , 2018, 167, 550-557.	3.7	36
88	Shale gas activity and increased rates of sexually transmitted infections in Ohio, 2000â€“2016. <i>PLoS ONE</i> , 2018, 13, e0194203.	1.1	12
89	Trends in C-Reactive Protein, D-Dimer, and Fibrinogen during Therapy for HIV-Associated Multidrug-Resistant Tuberculosis. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1336-1341.	0.6	15
90	Estimating the population-level impact of vaccines using synthetic controls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1524-1529.	3.3	59

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91	Spatial Variability in the Persistence of Pneumococcal Conjugate Vaccine-targeted Pneumococcal Serotypes Among Adults. <i>Epidemiology</i> , 2017, 28, 119-126.	1.2	7
92	A Bayesian semiparametric factor analysis model for subtype identification. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017, 16, 145-158.	0.2	0
93	Impact of Pneumococcal Conjugate Vaccines on Pneumonia Hospitalizations in High- and Low-Income Subpopulations in Brazil. <i>Clinical Infectious Diseases</i> , 2017, 65, 1813-1818.	2.9	21
94	A Dirichlet process mixture model for clustering longitudinal gene expression data. <i>Statistics in Medicine</i> , 2017, 36, 3495-3506.	0.8	10
95	Bayesian Model Averaging with Change Points to Assess the Impact of Vaccination and Public Health Interventions. <i>Epidemiology</i> , 2017, 28, 889-897.	1.2	17
96	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005376.	1.3	212
97	A Statistical Model to Analyze Clinician Expert Consensus on Glaucoma Progression using Spatially Correlated Visual Field Data. <i>Translational Vision Science and Technology</i> , 2016, 5, 14.	1.1	13
98	Bayesian multinomial probit modeling of daily windows of susceptibility for maternal PM _{2.5} exposure and congenital heart defects. <i>Statistics in Medicine</i> , 2016, 35, 2786-2801.	0.8	19
99	Relating Pneumococcal Carriage Among Children to Disease Rates Among Adults Before and After the Introduction of Conjugate Vaccines. <i>American Journal of Epidemiology</i> , 2016, 183, 1055-1062.	1.6	45
100	Spatially Modelling the Association Between Access to Recreational Facilities and Exercise: the "Multi-Ethnic Study of Atherosclerosis"™. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2016, 179, 293-310.	0.6	7
101	Local variations in the timing of RSV epidemics. <i>BMC Infectious Diseases</i> , 2016, 16, 674.	1.3	15
102	Maternal residential exposure to agricultural pesticides and birth defects in a 2003 to 2005 North Carolina birth cohort. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2016, 106, 240-249.	1.6	35
103	Influence of Demographic and Health Survey Point Displacements on Point-in-Polygon Analyses. <i>Spatial Demography</i> , 2016, 4, 117-133.	0.4	1
104	Influence of Demographic and Health Survey Point Displacements on Raster-Based Analyses. <i>Spatial Demography</i> , 2016, 4, 135-153.	0.4	28
105	Influence of Demographic and Health Survey Point Displacements on Distance-Based Analyses. <i>Spatial Demography</i> , 2016, 4, 155-173.	0.4	16
106	Association Between Local Pediatric Vaccination Rates and Patterns of Pneumococcal Disease in Adults. <i>Journal of Infectious Diseases</i> , 2016, 213, 509-515.	1.9	11
107	Combining Frequency Doubling Technology Perimetry and Scanning Laser Polarimetry for Glaucoma Detection. <i>Journal of Glaucoma</i> , 2015, 24, 561-567.	0.8	4
108	Residual and Dynamic Range of Retinal Nerve Fiber Layer Thickness in Glaucoma: Comparison of Three OCT Platforms. , 2015, 56, 6344.		114

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109	Retinal nerve fibre layer thickness floor and corresponding functional loss in glaucoma. <i>British Journal of Ophthalmology</i> , 2015, 99, 732-737.	2.1	115
110	Spatial-Temporal Modeling of Neighborhood Sociodemographic Characteristics and Food Stores. <i>American Journal of Epidemiology</i> , 2015, 181, 137-150.	1.6	20
111	Assessment of critical exposure and outcome windows in time-to-event analysis with application to air pollution and preterm birth study. <i>Biostatistics</i> , 2015, 16, 509-521.	0.9	59
112	Reduced-Dose Schedule of Prophylaxis Based on Local Data Provides Near-Optimal Protection Against Respiratory Syncytial Virus. <i>Clinical Infectious Diseases</i> , 2015, 61, 506-514.	2.9	20
113	A common spatial factor analysis model for measured neighborhood-level characteristics: The Multi-Ethnic Study of Atherosclerosis. <i>Health and Place</i> , 2015, 36, 35-46.	1.5	5
114	An evaluation of metrics for assessing maternal exposure to agricultural pesticides. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 497-503.	1.8	6
115	Association between arsenic, cadmium, manganese, and lead levels in private wells and birth defects prevalence in North Carolina: a semi-ecologic study. <i>BMC Public Health</i> , 2014, 14, 955.	1.2	87
116	Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. <i>Health and Place</i> , 2013, 23, 157-164.	1.5	91
117	Air Pollution Metric Analysis While Determining Susceptible Periods of Pregnancy for Low Birth Weight. <i>ISRN Obstetrics & Gynecology</i> , 2013, 2013, 1-9.	1.2	25
118	Combining Spectral Domain Optical Coherence Tomography Structural Parameters for the Diagnosis of Glaucoma With Early Visual Field Loss. , 2013, 54, 8393.		46
119	Bayesian spatial design of optimal deep tube well locations in Matlab, Bangladesh. <i>Environmetrics</i> , 2013, 24, 377-386.	0.6	3
120	Cardiovascular Outcomes and the Physical and Chemical Properties of Metal Ions Found in Particulate Matter Air Pollution: A QICAR Study. <i>Environmental Health Perspectives</i> , 2013, 121, 558-564.	2.8	44
121	Bayesian spatial-temporal model for cardiac congenital anomalies and ambient air pollution risk assessment. <i>Environmetrics</i> , 2012, 23, 673-684.	0.6	18
122	Spatial-temporal Modeling of the Association between Air Pollution Exposure and Preterm Birth: Identifying Critical Windows of Exposure. <i>Biometrics</i> , 2012, 68, 1157-1167.	0.8	68
123	A Directionally Varying Change Points Model for Quantifying the Impact of a Point Source. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 0, , 1.	0.7	0
124	A discrete kernel stick-breaking model for detecting spatial boundaries in hydraulic fracturing wastewater disposal well placement across Ohio. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 0, , .	0.5	2
125	Mapping Partner Drug Resistance to Guide Antimalarial Combination Therapy Policies in Sub-Saharan Africa. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0