

Eric D Mccollum

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

1,602
citations

304743

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docs citations

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times ranked

1615
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Design and Rationale of the HAPIN Study: A Multicountry Randomized Controlled Trial to Assess the Effect of Liquefied Petroleum Gas Stove and Continuous Fuel Distribution. <i>Environmental Health Perspectives</i> , 2020, 128, 47008. | 6.0 | 72 |
| 2 | Predicting Hospitalised Paediatric Pneumonia Mortality Risk: An External Validation of RISC and mRISC, and Local Tool Development (RISC-Malawi) from Malawi. <i>PLoS ONE</i> , 2016, 11, e0168126. | 2.5 | 70 |
| 3 | Amoxicillin for 3 or 5 Days for Chest-Indrawing Pneumonia in Malawian Children. <i>New England Journal of Medicine</i> , 2020, 383, 13-23. | 27.0 | 65 |
| 4 | The need for COVID-19 research in low- and middle-income countries. <i>Global Health Research and Policy</i> , 2020, 5, 33. | 3.6 | 65 |
| 5 | Pulse oximetry for children with pneumonia treated as outpatients in rural Malawi. <i>Bulletin of the World Health Organization</i> , 2016, 94, 893-902. | 3.3 | 64 |
| 6 | Mortality and its risk factors in Malawian children admitted to hospital with clinical pneumonia, 2001-2012: a retrospective observational study. <i>The Lancet Global Health</i> , 2016, 4, e57-e68. | 6.3 | 59 |
| 7 | Placebo vs Amoxicillin for Nonsevere Fast-Breathing Pneumonia in Malawian Children Aged 2 to 59 Months. <i>JAMA Pediatrics</i> , 2019, 173, 21. | 6.2 | 58 |
| 8 | Computerized Lung Sound Screening for Pediatric Auscultation in Noisy Field Environments. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1564-1574. | 4.2 | 56 |
| 9 | Impact of the 13-Valent Pneumococcal Conjugate Vaccine on Clinical and Hypoxemic Childhood Pneumonia over Three Years in Central Malawi: An Observational Study. <i>PLoS ONE</i> , 2017, 12, e0168209. | 2.5 | 52 |
| 10 | Pneumonia and Malnutrition are Highly Predictive of Mortality among African Children Hospitalized with Human Immunodeficiency Virus Infection or Exposure in the Era of Antiretroviral Therapy. <i>Journal of Pediatrics</i> , 2011, 159, 484-489. | 1.8 | 49 |
| 11 | Adaptive Noise Suppression of Pediatric Lung Auscultations With Real Applications to Noisy Clinical Settings in Developing Countries. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2279-2288. | 4.2 | 48 |
| 12 | Task shifting in an inpatient triage, assessment and treatment programme improves the quality of care for hospitalised Malawian children. <i>Tropical Medicine and International Health</i> , 2013, 18, 879-886. | 2.3 | 47 |
| 13 | Bubble continuous positive airway pressure for children with high-risk conditions and severe pneumonia in Malawi: an open label, randomised, controlled trial. <i>Lancet Respiratory Medicine</i> , 2019, 7, 964-974. | 10.7 | 46 |
| 14 | Development of a severity of illness scoring system (inpatient triage, assessment and treatment) for resource-constrained hospitals in developing countries. <i>Tropical Medicine and International Health</i> , 2013, 18, 871-878. | 2.3 | 45 |
| 15 | Challenges in the diagnosis of paediatric pneumonia in intervention field trials: recommendations from a pneumonia field trial working group. <i>Lancet Respiratory Medicine</i> , 2019, 7, 1068-1083. | 10.7 | 44 |
| 16 | Multicenter study of hypoxemia prevalence and quality of oxygen treatment for hospitalized Malawian children. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2013, 107, 285-292. | 1.8 | 43 |
| 17 | Superior Uptake and Outcomes of Early Infant Diagnosis of HIV Services at an Immunization Clinic Versus an "Under-Five" General Pediatric Clinic in Malawi. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2012, 60, e107-e110. | 2.1 | 32 |
| 18 | Preliminary report from the World Health Organisation Chest Radiography in Epidemiological Studies project. <i>Pediatric Radiology</i> , 2017, 47, 1399-1404. | 2.0 | 32 |

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|----|--|-----|-----------|
| 19 | Determining the quality of IMCI pneumonia care in Malawian children. <i>Paediatrics and International Child Health</i> , 2014, 34, 29-36. | 1.0 | 30 |
| 20 | Opportunities and barriers in paediatric pulse oximetry for pneumonia in low-resource clinical settings: a qualitative evaluation from Malawi and Bangladesh. <i>BMJ Open</i> , 2018, 8, e019177. | 1.9 | 29 |
| 21 | Effects of high altitude on respiratory rate and oxygen saturation reference values in healthy infants and children younger than 2 years in four countries: a cross-sectional study. <i>The Lancet Global Health</i> , 2020, 8, e362-e373. | 6.3 | 28 |
| 22 | Predictive value of pulse oximetry for mortality in infants and children presenting to primary care with clinical pneumonia in rural Malawi: A data linkage study. <i>PLoS Medicine</i> , 2020, 17, e1003300. | 8.4 | 28 |
| 23 | Outpatient Management of Children With World Health Organization Chest Indrawing Pneumonia: Implementation Risks and Proposed Solutions. <i>Clinical Infectious Diseases</i> , 2017, 65, 1560-1564. | 5.8 | 27 |
| 24 | Protecting children in low-income and middle-income countries from COVID-19. <i>BMJ Global Health</i> , 2020, 5, e002844. | 4.7 | 26 |
| 25 | Listening panel agreement and characteristics of lung sounds digitally recorded from children aged 1â€“59 months enrolled in the Pneumonia Etiology Research for Child Health (PERCH) caseâ€“control study. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000193. | 3.0 | 23 |
| 26 | Pneumonia Risk Stratification Scores for Children in Low-Resource Settings. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, 743-748. | 2.0 | 22 |
| 27 | Predictors of treatment failure for non-severe childhood pneumonia in developing countries â€“ systematic literature review and expert survey â€“ the first step towards a community focused mHealth risk-assessment tool?. <i>BMC Pediatrics</i> , 2015, 15, 74. | 1.7 | 21 |
| 28 | The Epidemiology of Hypoxemic Pneumonia among Young Infants in Malawi. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 102, 676-683. | 1.4 | 20 |
| 29 | Care-seeking patterns amongst suspected paediatric pneumonia deaths in rural Malawi. <i>Gates Open Research</i> , 2020, 4, 178. | 1.1 | 16 |
| 30 | Community and caregiversâ€™ perceptions of pneumonia and care-seeking experiences in Nigeria: A qualitative study. <i>Pediatric Pulmonology</i> , 2020, 55, S104-S112. | 2.0 | 15 |
| 31 | Pneumococcal Conjugate Vaccine impact assessment in Bangladesh. <i>Gates Open Research</i> , 2018, 2, 21. | 1.1 | 15 |
| 32 | Performance of a novel reusable pediatric pulse oximeter probe. <i>Pediatric Pulmonology</i> , 2019, 54, 1052-1059. | 2.0 | 14 |
| 33 | Effectiveness of the 10-valent pneumococcal conjugate vaccine against radiographic pneumonia among children in rural Bangladesh: A case-control study. <i>Vaccine</i> , 2020, 38, 6508-6516. | 3.8 | 14 |
| 34 | Can We Predict Oral Antibiotic Treatment Failure in Children with Fast-Breathing Pneumonia Managed at the Community Level? A Prospective Cohort Study in Malawi. <i>PLoS ONE</i> , 2015, 10, e0136839. | 2.5 | 13 |
| 35 | Training and standardization of general practitioners in the use of lung ultrasound for the diagnosis of pediatric pneumonia. <i>Pediatric Pulmonology</i> , 2019, 54, 1753-1759. | 2.0 | 13 |
| 36 | Digital auscultation in PERCH: Associations with chest radiography and pneumonia mortality in children. <i>Pediatric Pulmonology</i> , 2020, 55, 3197-3208. | 2.0 | 13 |

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|----|--|------|-----------|
| 37 | Non-adherence to community oral-antibiotic treatment in children with fast-breathing pneumonia in Malawi—secondary analysis of a prospective cohort study. <i>Pneumonia (Nathan Qld)</i> , 2016, 8, 21. | 6.1 | 12 |
| 38 | Pulse oximetry in paediatric primary care in low-income and middle-income countries. <i>Lancet Respiratory Medicine</i> , 2019, 7, 1001-1002. | 10.7 | 12 |
| 39 | Resources and Geographic Access to Care for Severe Pediatric Pneumonia in Four Resource-limited Settings. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 183-197. | 5.6 | 12 |
| 40 | External validation of the RISC, RISC-Malawi, and PERCH clinical prediction rules to identify risk of death in children hospitalized with pneumonia. <i>Journal of Global Health</i> , 2021, 11, 04062. | 2.7 | 12 |
| 41 | Tuberculosis in children with severe acute malnutrition. <i>Expert Review of Respiratory Medicine</i> , 2022, 16, 273-284. | 2.5 | 12 |
| 42 | Clinical Versus Rapid Molecular HIV Diagnosis in Hospitalized African Infants. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2014, 66, e23-e30. | 2.1 | 11 |
| 43 | Design and conduct of facility-based surveillance for severe childhood pneumonia in the Household Air Pollution Intervention Network (HAPIN) trial. <i>ERJ Open Research</i> , 2020, 6, 00308-2019. | 2.6 | 11 |
| 44 | The burden and risks of pediatric pneumonia in Nigeria: A desk-based review of existing literature and data. <i>Pediatric Pulmonology</i> , 2020, 55, S10-S21. | 2.0 | 11 |
| 45 | Reduction of childhood pneumonia mortality in the Sustainable Development era. <i>Lancet Respiratory Medicine</i> , 2016, 4, 932-933. | 10.7 | 9 |
| 46 | CPAP IMPACT: a protocol for a randomised trial of bubble continuous positive airway pressure versus standard care for high-risk children with severe pneumonia using adaptive design methods. <i>BMJ Open Respiratory Research</i> , 2017, 4, e000195. | 3.0 | 9 |
| 47 | Health system challenges for improved childhood pneumonia case management in Lagos and Jigawa, Nigeria. <i>Pediatric Pulmonology</i> , 2020, 55, S78-S90. | 2.0 | 9 |
| 48 | Usability Testing of a Reusable Pulse Oximeter Probe Developed for Health-Care Workers Caring for Children < 5 Years Old in Low-Resource Settings. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1096-1104. | 1.4 | 9 |
| 49 | Derivation and validation of a novel risk assessment tool to identify children aged 2–59 months at risk of hospitalised pneumonia-related mortality in 20 countries. <i>BMJ Global Health</i> , 2022, 7, e008143. | 4.7 | 9 |
| 50 | Methods for conducting a double-blind randomized controlled clinical trial of three days versus five days of amoxicillin dispersible tablets for chest indrawing childhood pneumonia among children two to 59 months of age in Lilongwe, Malawi: a study protocol. <i>BMC Infectious Diseases</i> , 2018, 18, 476. | 2.9 | 8 |
| 51 | Bubble CPAP and oxygen for child pneumonia care in Malawi: a CPAP IMPACT time motion study. <i>BMC Health Services Research</i> , 2019, 19, 533. | 2.2 | 8 |
| 52 | Chest radiograph reading panel performance in a Bangladesh pneumococcal vaccine effectiveness study. <i>BMJ Open Respiratory Research</i> , 2019, 6, e000393. | 3.0 | 8 |
| 53 | Trends in the global burden of paediatric lower respiratory infections. <i>Lancet Infectious Diseases</i> , 2020, 20, 4-5. | 9.1 | 8 |
| 54 | A risk assessment tool for resumption of research activities during the COVID-19 pandemic for field trials in low resource settings. <i>BMC Medical Research Methodology</i> , 2021, 21, 68. | 3.1 | 8 |

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|----|---|------|-----------|
| 55 | Integrated Sustainable childhood Pneumonia and Infectious disease Reduction in Nigeria (INSPIRING) through whole system strengthening in Jigawa, Nigeria: study protocol for a cluster randomised controlled trial. <i>Trials</i> , 2022, 23, 95. | 1.6 | 8 |
| 56 | Continuous positive airway pressure for children in resource-limited settings, effect on mortality and adverse events: systematic review and meta-analysis. <i>Archives of Disease in Childhood</i> , 2022, 107, 543-552. | 1.9 | 8 |
| 57 | Validation of Auscultation Technologies using Objective and Clinical Comparisons. , 2020, 2020, 992-997. | | 7 |
| 58 | Oxygen delivery systems for adults in Sub-Saharan Africa: A scoping review. <i>Journal of Global Health</i> , 2021, 11, 04018. | 2.7 | 7 |
| 59 | Care-seeking patterns amongst suspected paediatric pneumonia deaths in rural Malawi. <i>Gates Open Research</i> , 2020, 4, 178. | 1.1 | 7 |
| 60 | Lay-screener and Use of WHO Growth Standards Increase Case Finding of Hospitalized Malawian Children with Severe Acute Malnutrition. <i>Journal of Tropical Pediatrics</i> , 2015, 61, 44-53. | 1.5 | 6 |
| 61 | CPAP treatment for children with pneumonia in low-resource settings. <i>Lancet Respiratory Medicine</i> , 2017, 5, 924-925. | 10.7 | 6 |
| 62 | Defining hypoxaemia from pulse oximeter measurements of oxygen saturation in well children at low altitude in Bangladesh: an observational study. <i>BMJ Open Respiratory Research</i> , 2021, 8, e001023. | 3.0 | 6 |
| 63 | Digital auscultation as a novel childhood pneumonia diagnostic tool for community clinics in Sylhet, Bangladesh: protocol for a cross-sectional study. <i>BMJ Open</i> , 2022, 12, e059630. | 1.9 | 6 |
| 64 | Clinical Outcomes of Pneumonia and Other Comorbidities in Children Aged 2-59 Months in Lilongwe, Malawi: Protocol for the Prospective Observational Study "Innovative Treatments in Pneumonia" JMIR Research Protocols, 2019, 8, e13377. | 1.0 | 5 |
| 65 | Development of a prognostic risk score to aid antibiotic decision-making for children aged 2-59 months with World Health Organization fast breathing pneumonia in Malawi: An Innovative Treatments in Pneumonia (ITIP) secondary analysis. <i>PLoS ONE</i> , 2019, 14, e0214583. | 2.5 | 4 |
| 66 | Analysis of serious adverse events in a paediatric fast breathing pneumonia clinical trial in Malawi. <i>BMJ Open Respiratory Research</i> , 2019, 6, e000415. | 3.0 | 4 |
| 67 | Focus group discussions on low-flow oxygen and bubble CPAP treatments among mothers of young children in Malawi: a CPAP IMPACT substudy. <i>BMJ Open</i> , 2020, 10, e034545. | 1.9 | 4 |
| 68 | Estimating residential air exchange rates in rural Bangladesh using a near field-far field model. <i>Building and Environment</i> , 2021, 206, 108325. | 6.9 | 4 |
| 69 | Quality of care for paediatric admissions: is a score-based approach viable?. <i>The Lancet Global Health</i> , 2018, 6, e128-e129. | 6.3 | 3 |
| 70 | A mixed-methods evaluation of stakeholder perspectives on pediatric pneumonia in Nigeria" priorities, challenges, and champions. <i>Pediatric Pulmonology</i> , 2020, 55, S25-S33. | 2.0 | 3 |
| 71 | Training physicians in India to interpret pediatric chest radiographs according to World Health Organization research methodology. <i>Pediatric Radiology</i> , 2021, 51, 1322-1331. | 2.0 | 3 |
| 72 | Digitally recorded and remotely classified lung auscultation compared with conventional stethoscope classifications among children aged 1-59 months enrolled in the Pneumonia Etiology Research for Child Health (PERCH) case-control study. <i>BMJ Open Respiratory Research</i> , 2022, 9, e001144. | 3.0 | 3 |

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|----|--|-----|-----------|
| 73 | Repeat assessment of examination signs among children in Malawi with fast-breathing pneumonia. ERJ Open Research, 2020, 6, 00275-2019. | 2.6 | 2 |
| 74 | Malawian children with fast-breathing pneumonia with and without comorbidities. Pneumonia (Nathan Qld), 2021, 13, 3. | 6.1 | 2 |
| 75 | Identifying modifiable risk factors for mortality in children aged 1â€“59 months admitted with WHO-defined severe pneumonia: a single-centre observational cohort study from rural Malawi. BMJ Paediatrics Open, 2022, 6, e001330. | 1.4 | 2 |
| 76 | Pulse oximetry and oxygen services for the care of children with pneumonia attending frontline health facilities in Lagos, Nigeria (INSPIRING-Lagos): study protocol for a mixed-methods evaluation. BMJ Open, 2022, 12, e058901. | 1.9 | 2 |
| 77 | COVID-19 advanced respiratory care educational training programme for healthcare workers in Lesotho: an observational study. BMJ Open, 2022, 12, e058643. | 1.9 | 2 |
| 78 | Prospective cohort study of referred Malawian children and their survival by hypoxaemia and hypoglycaemia status. Bulletin of the World Health Organization, 2022, 100, 302-314B. | 3.3 | 1 |
| 79 | World Health Organization Treatment Recommendations for Nonsevere Fast-Breathing Pneumonia Need to Be Updatedâ€”Reply. JAMA Pediatrics, 2019, 173, 608. | 6.2 | 0 |
| 80 | Longitudinally Evaluating the Lung Function of Children in Low- and Middle-income Countries: Itâ€™s About Time. Clinical Infectious Diseases, 2020, 70, 491-492. | 5.8 | 0 |
| 81 | Impact of national introduction of ten-valent pneumococcal conjugate vaccine on invasive pneumococcal disease in Bangladesh: Case-control and time-trend studies. Vaccine, 2021, 39, 5794-5801. | 3.8 | 0 |
| 82 | Chest radiography in children aged 2â€“59â€‰months enrolled in the Innovative Treatments in Pneumonia (ITIP) project in Lilongwe Malawi: a secondary analysis. BMC Pediatrics, 2022, 22, 31. | 1.7 | 0 |
| 83 | Title is missing!. , 2020, 17, e1003300. | | 0 |
| 84 | Title is missing!. , 2020, 17, e1003300. | | 0 |
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|----|---|-----|-----------|
| 91 | Digital auscultation as a diagnostic aid to detect childhood pneumonia: A systematic review. Journal of Global Health, 2022, 12, 04033. | 2.7 | 0 |