

Shabir A Madhi

The peer-reviewed publications are stratified by area of research interest. The manuscripts are listed in chronological order, starting from the most recent, in each section. The body of work includes studies related to clinical and molecular epidemiology, clinical development of vaccines, vaccine effectiveness studies and surveillance. The listing include invited commentaries and letters which are designated as such. As of 27th July 2023, there are a total of 663 published articles. The h-index factor is 94 on Scopus and 103 on Google Scholar. Published chapters in books are also listed on the final page.

Peer-reviewed journal articles

Index of thematic research areas.

Topic	Reference numbers:	Pages
Streptococcus pneumoniae	1 to 132	2 to 14
Group B streptococcus (Streptococcus agalactiae)	132 to 202	15 to 21
SARS-CoV-2/COVID-19	203 to 267	22 to 29
Respiratory syncytial virus	268 to 318	30 to 35
Influenza virus	319 to 382	36 to 42
Human metapneumovirus, Rhinovirus, parainfluenza virus, enteroviruses and endemic coronavirus	383 to 407	43 to 45
Mycobacterium tuberculosis /Tuberculosis	408 to 441	46 to 49
General pneumonia	442 to 509	49 to 56
Rotavirus and diarrheal diseases	510 to 537	57 to 59
Cytomegalovirus	538 to 541	59
Paediatric HIV	542 to 551	60
Other vaccine related studies not covered elsewhere (including measles, pertussis and Haemophilus influenzae type b)	552 to 582	61 to 63
Neonatal and Childhood diseases and stillbirths	583 to 635	64 to 69
General articles on vaccines	636 to 654	69 to 71
Miscellaneous	655 to 663	72
Book Chapters	1 to 13	73

Schuind AE, Rees H, Schiller J, Mugo N, Dull P, Barnabas R, Clifford GM, Liu G, Madhi SA, Morse RB, Moscicki AB, Palefsky JM, Plotkin S, Sierra MS, Slifka MK, Vorsters A, Kreimer AR, Didierlaurent AM. State-of-the-Science of human papillomavirus vaccination in women with human immunodeficiency Virus: Summary of a scientific workshop. *Prev Med Rep.* 2023 Jul 19;35:102331. doi: 10.1016/j.pmedr.2023.102331. PMID: 37576844; PMCID: PMC10413150.

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2. Downs SL, Olwagen CP, Van Der Merwe L, Nzenze SA, Nunes MC, **Madhi SA**. *Streptococcus pneumoniae* and other bacterial nasopharyngeal colonization seven years post-introduction of 13-valent pneumococcal conjugate vaccine in South African children. *Int J Infect Dis*. 2023 May 19;134:45-52. doi: 10.1016/j.ijid.2023.05.016. Epub ahead of print. PMID: 37209864
3. Downs SL, **Madhi SA**, van der Merwe L, Nunes MC, Olwagen CP. Optimization of a high-throughput nanofluidic real-time PCR to detect and quantify of 15 bacterial species and 92 *Streptococcus pneumoniae* serotypes. *Sci Rep*. 2023 Mar 21;13(1):4588. doi: 10.1038/s41598-023-31820-4. PMID: 36944704; PMCID: PMC10030628.
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5. Olwagen CP, Izu A, Mutsaerts EAML, Jose L, Koen A, Downs SL, Van Der Merwe L, Laubscher M, Nana AJ, Moultrie A, Cutland CL, Dorfman JR, **Madhi SA**. Single priming and booster dose of ten-valent and 13-valent pneumococcal conjugate vaccines and *Streptococcus pneumoniae* colonisation in children in South Africa: a single-centre, open-label, randomised trial. *Lancet Child Adolesc Health*. 2023 May;7(5):326-335. doi: 10.1016/S2352-4642(23)00025-1. Epub 2023 Mar 16. PMID: 36934731; PMCID: PMC10127219.
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7. Gladstone RA, Siira L, Brynildsrud OB, Vestrheim DF, Turner P, Clarke SC, Srifuengfung S, Ford R, Lehmann D, Egorova E, Voropaeva E, Haraldsson G, Kristinsson KG, McGee L, Breiman RF, Bentley SD, Sheppard CL, Fry NK, Corander J, Toropainen M, Steens A; Global Pneumococcal Sequencing Consortium. International links between *Streptococcus pneumoniae* vaccine serotype 4 sequence type (ST) 801 in Northern European shipyard outbreaks of invasive pneumococcal disease. *Vaccine*. 2022 Feb 11;40(7):1054-1060. doi: 10.1016/j.vaccine.2021.10.046. Epub 2022 Jan 5. PMID: 34996643; PMCID: PMC8820377 [**Part of Group Authorship**]
8. Javaid N, Olwagen C, Nzenze S, Hawkins P, Gladstone R, McGee L, Breiman RF, Bentley SD, **Madhi SA**, Lo S. Population genomics of pneumococcal carriage in South Africa following the introduction of the 13-valent pneumococcal conjugate vaccine (PCV13) immunization. *Microb Genom*. 2022 Jun;8(6). doi: 10.1099/mgen.0.000831. PMID: 35737523.
9. Downs SL, **Madhi SA**, Van der Merwe L, Nunes MC, Olwagen CP. High-throughput nanofluidic real-time PCR to discriminate Pneumococcal Conjugate Vaccine (PCV)-associated serogroups 6, 18, and 22 to serotypes using modified oligonucleotides. *Sci Rep*. 2021 Dec 9;11(1):23728. doi: 10.1038/s41598-021-03127-9. PMID: 34887480; PMCID: PMC8660885.

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18. D'Aeth JC, van der Linden MP, McGee L, de Lencastre H, Turner P, Song JH, Lo SW, Gladstone RA, Sá-Leão R, Ko KS, Hanage WP, Breiman RF, Beall B, Bentley SD, Croucher NJ; GPS Consortium. The role of interspecies recombination in the evolution of antibiotic-resistant pneumococci. *Elife*. 2021 Jul 14;10:e67113. doi: 10.7554/eLife.67113. PMID: 34259624; PMCID: PMC8321556. **[Part of Group Authorship]**
 19. Gladstone RA, Lo SW, Goater R, Yeats C, Taylor B, Hadfield J, Lees JA, Croucher NJ, van Tonder AJ, Bentley LJ, Quah FX, Blaschke AJ, Pershing NL, Byington CL, Balaji V, Hryniewicz W, Sigauque B, Ravikumar KL, Almeida SCG, Ochoa TJ, Ho PL, du Plessis M, Ndlangisa KM, Cornick JE, Kwambana-Adams B, Benisty R, Nzenze SA, **Madhi SA**, Hawkins PA, Pollard AJ, Everett DB, Antonio M, Dagan R, Klugman KP, von Gottberg A, Metcalf BJ, Li Y, Beall BW, McGee L, Breiman RF, Aanensen DM, Bentley SD; The Global Pneumococcal Sequencing Consortium. Visualizing variation within Global Pneumococcal Sequence Clusters (GPSCs) and country population snapshots to contextualize pneumococcal isolates. *Microb Genom*. 2020 May;6(5):e000357. doi: 10.1099/mgen.0.000357. Epub 2020 Apr 29. PMID: 32375991; PMCID: PMC7371119
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Human Metapneumovirus, Rhinovirus, parainfluenza virus and endemic coronavirus

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