

Dr Peter J White – Publications & reports

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Most of the journal publications listed below are in PubMed:

<https://www.ncbi.nlm.nih.gov/myncbi/1VGsUn43SHs97X/bibliography/public/>

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(1) Papers

Vegvari C, Grad YH, **White PJ**, Didelot X, Whittles LK, Scangarella-Oman NE, Mitrani-Gold F, Dumont E, Perry CR, Gilchrist K, Hossain M, Mortimer TD, Anderson RM, Gardiner D. Using rapid point-of-care tests to inform antibiotic choice to mitigate drug resistance in gonorrhoea. *Eurosurveillance* 2020; [accepted 1/5/20]

Lewis J, **White PJ**, Price MJ. Per-partnership transmission probabilities for *Chlamydia trachomatis* infection: Evidence synthesis of population-based survey data. *International Journal of Epidemiology* 2020; [accepted 9/9/20]

McCabe R, Schmit N, Christen P, D'Aeth JC, Løchen A, Rizmie D, Nayagam S, Miraldo M, Aylin P, Bottle A, Perez-Guzman PN, Ghani AC, Ferguson NM, **White PJ**, Hauck K. Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. *BMC Medicine* 2020 [accepted ~8/9/20]

Lewer D, Braithwaite I, Bullock M, Eyre MT, **White PJ**, Aldridge RW, Story A, Hayward AC. COVID-19 among people experiencing homelessness in England: a modelling study. *Lancet Respiratory Medicine* 2020; doi.org/10.1016/S2213-2600(20)30396-9. [accepted 26/8/20; online 23/9/20]

Grassly NC, Pons-Salort M, Parker EPK, **White PJ**, Ferguson NM. Role of molecular testing in COVID-19 control: a mathematical modelling study. *Lancet Infectious Diseases* 2020; doi.org/10.1016/S1473-3099(20)30630-7. PMID: 32822577 [accepted 20/7/20; online 18/8/20]

Perez-Guzman PN, Daunt A, Mukherjee S, Crook P, Forlano R, Kont MD, Løchen A, Vollmer M, Middleton P, Judge R, Harlow C, Soubieries A, Cooke G, **White PJ**, Hallett TB, Aylin P, Ferguson N, Hauck K, Thursz MR, Nayagam S. Clinical characteristics and predictors of outcomes of hospitalized patients with COVID-19 in a multi-ethnic London NHS Trust: a retrospective cohort study. *Clinical Infectious Diseases* 2020; doi.org/10.1093/cid/ciaa1091. PMID: 32766823 [accepted 24/7/20; online 7/8/20]

Lewis J, Horner PJ, **White PJ**. Incidence of Pelvic Inflammatory Disease Associated with *Mycoplasma genitalium* Infection: Evidence Synthesis of Cohort Study Data. *Clinical Infectious Diseases* 2020; doi.org/10.1093/cid/ciaa419. PMID: 32701123 [accepted 28/1/20; online 23/7/20]

- Sandmann FG, **White PJ**, Ramsay M, Jit M. Optimising benefits of testing key workers for infection with SARS-CoV-2: A mathematical modelling analysis. *Clinical Infectious Diseases* 2020; doi.org/10.1093/cid/ciaa901. PMID: 32634823 [accepted 25/6/20; online 8/7/20]
- Whittles LK, **White PJ**, Didelot X. Assessment of the Potential of Vaccination to Combat Antibiotic Resistance in Gonorrhoea: A Modeling Analysis to Determine Preferred Product Characteristics. *Clinical Infectious Diseases* 2020; doi.org/10.1093/cid/ciz1241. PMID: 31905399 [accepted 2/1/20; online 6/1/20]
- Lewis J, **White PJ**. Understanding relationships between chlamydial infection, symptoms and testing behavior: an analysis of data from Natsal-3. *Epidemiology* 2020; 31(2): 263–271. doi.org/10.1097/EDE.0000000000001150. PMID: 31794495 [accepted 31 July 2019; online 2 Dec 2019]
- Green N, Sherrard-Smith E, Tanton C, Sonnenberg P, Mercer CH, **White PJ**. Assessing local chlamydia screening performance by combining survey and administrative data to account for differences in local population characteristics. *Scientific Reports* 2019; 9: 7070. doi: 10.1038/s41598-019-43521-y. PMID: 31068656 [accepted 18 Apr 2019; online 8 May 2019]
- Halliday A, Jain P, Hoang L, Parker R, Tolosa-Wright M, Masonou T, Green N, Boakye A, Takwoingi Y, Hamilton S, Mandagere V, Fries A, Coin L, Deeks J, **White PJ**, Levin M, Beverley P, Kon OM, Lalvani A. Validation of New Technologies for the Diagnostic Evaluation of Active Tuberculosis (VANTDET). *Efficacy and Mechanism Evaluation* (in press)
- Whittles LK, **White PJ**, Didelot X. A dynamic power-law sexual network model of gonorrhoea outbreaks. *PLOS Computational Biology* 2019; 15(3): e1006748. doi: 10.1371/journal.pcbi.1006748. PMID: 30849080 [accepted 28 Feb 2019; online 8 Mar 2019]
- Story A, Aldridge RW, Smith CM, Garber E, Hall J, Ferenando G, Possas L, Hemming S, Wurie F, Luchenski S, Abubakar I, McHugh TD, **White PJ**, Watson JM, Lipman M, Garfein R, Hayward A. Smartphone-enabled video observed versus directly observed treatment for tuberculosis: a randomised controlled trial. *Lancet* 2019; 393: 1216–1224. doi: 10.1016/S0140-6736(18)32993-3. PMID: 30799062 [accepted 24 Oct 2018; online 21 Feb 2019; in print 23 Mar 2019]
- Takwoingi Y, Whitworth H, Rees-Roberts M, Badhan A, Partlett C, Green N, Boakye A, Lambie H, Marongiu L, Jit M, **White P**, Deeks J, Kon OM, Lalvani A. Interferon-gamma release assays for diagnostic evaluation of active tuberculosis (IDEA): test accuracy study and economic evaluation. *Health Technology Assessment* 2019 (in press)
<https://www.journalslibrary.nihr.ac.uk/programmes/hta/0810602/#/>
- Whittles LK, **White PJ**, Paul J, Didelot X. Epidemiological Trends of Antibiotic Resistant Gonorrhoea in the United Kingdom. *Antibiotics* 2018; 7: 60. doi: 10.3390/antibiotics7030060. PMID: 30011825 [accepted 11 July 2018; online 13 July 2018]
- Braham C, **White PJ**, Arinaminpathy N. Management of tuberculosis by healthcare practitioners in Pakistan: a systematic review. *PLOS ONE* 2018; 13(6): e0199413. doi: 10.1371/journal.pone.0199413. PMID: 29928031 [accepted 24 May 2018; published 21 June 2018]
- Lewis J, **White PJ**. Changes in chlamydia prevalence and duration of infection inferred from testing and diagnosis rates in England: an evidence synthesis using surveillance data, 2000-2015. *Lancet Public Health* 2018; 3(6): e271–e278. doi: 10.1016/S2468-2667(18)30071-9. PMID: 29776798 [accepted 3 Apr 2018; online 15 May 2018]
- Gubay F, Staunton R, Metzger C, Abubakar I, **White PJ**. Assessing uncertainty in the burden of Hepatitis C Virus: comparison of estimated disease burden and treatment costs in the UK. *Journal of Viral Hepatitis* 2018; 25: 514–523. doi: 10.1111/jvh.12847. PMID: 29274178 [accepted 23 Nov 2017; online 23 Dec 2017; in print Apr 2018]

- Menzies NA, Wolf E, Connors D, Bellerose M, Sbarra AN, Cohen T, Hill AN, Yaesoubi R, Galer K, **White PJ**, Abubakar I, Salomon JA. Progression from latent infection to active disease in dynamic TB transmission models: a systematic review of the validity of modelling assumptions. *Lancet Infectious Diseases* 2018; 18(8): e228–e238. doi: 10.1016/S1473-3099(18)30134-8. PMID: 29653698 [accepted ~19 Dec 2017; online 10 Apr 2018]
- Rhead R, Elmes J, Ootob E, Nhongo K, Takaruz A, **White PJ**, Nyamukapa C, Gregson S. Do Female Sex Workers have Lower Uptake of HIV Treatment Services than Non-Sex-Workers? A Cross-sectional Study from East Zimbabwe. *BMJ Open* 2018; 8(2): e018751. doi: 10.1136/bmjopen-2017-018751. PMID: 29490957 [accepted 29 Nov 2017; published 28 Feb 2018]
- Fragaszy EB, Warren-Gash C, **White PJ**, Zambon M, Edmunds WJ, Nguyen-Van-Tam JS, Hayward AC. Effects of seasonal and pandemic influenza on health-related quality of life, work and school absence in English households: results from the Flu Watch cohort study. *Influenza and Other Respiratory Viruses* 2018; 12: 171–182. doi: 10.1111/irv.12506. PMID: 28991409 [accepted 2 Oct 2017; online 19 Feb 2018]
- Mugwagwa T, Stagg HR, Abubakar I, **White PJ**. Comparing different technologies for active TB case-finding among the homeless: a transmission-dynamic modelling study. *Scientific Reports* 2018; 8: 1433. doi: 10.1038/s41598-018-19757-5. PMID: 29362378 [accepted 13 Dec 2017; published 23 Jan 2018]
- Sutton AJ, Roberts TE, Jackson L, Saunders J, **White PJ**, Birger R, Estcourt C. Cost-effectiveness of microscopy of urethral smears for asymptomatic *Mycoplasma genitalium* urethritis in men in England. *International Journal of STD & AIDS* 2018; 29(1): 72–79. doi: 10.1177/0956462417717651. PMID: 28669322 [accepted 23 May 2017; online 1 July 2017]
- Birger R, Saunders J, Estcourt C, Sutton AJ, Mercer CH, Roberts T, **White PJ**. Should we screen for the sexually-transmitted infection *Mycoplasma genitalium*? Evidence synthesis using a transmission-dynamic model. *Scientific Reports* 2017; 7: 16162. doi: 10.1038/s41598-017-16302-8. PMID: 29170443 [accepted 9 Nov 2017; published 23 Nov 2017]
- Whittles LK, **White PJ**, Didelot X. Estimating the fitness cost and benefit of cefixime resistance in *Neisseria gonorrhoeae* to inform prescription policy: a modelling study. *PLOS Medicine* 2017; 14(10): e1002416. doi: 10.1371/journal.pmed.1002416. PMID: 29088226 [accepted 26 Sep 2017; online 31 Oct 2017]
- Lewis J, Price MJ, Horner PJ, **White PJ**. Genital *C. trachomatis* infections clear more slowly in men than women, but are less likely to become established. *Journal of Infectious Diseases* 2017; 216(2): 237–244. doi: 10.1093/infdis/jix283. PMID: 28838150 [accepted 6 June 2017; online 13 June 2017]
- Lewis J, **White PJ**. Estimating local chlamydia incidence and prevalence using surveillance data. *Epidemiology* 2017; 28(4): 492–502. doi: 10.1097/EDE.0000000000000655. PMID: 28306613 [accepted 3 Sep 2016; online 15 Mar 2017]
- Metzig C, Surey J, Francis M, Conneely J, Abubakar I, **White PJ**. Impact of Hepatitis C Treatment as Prevention for People Who Inject Drugs is sensitive to contact network structure. *Scientific Reports* 2017; 7: 1833. doi: 10.1038/s41598-017-01862-6. PMID: 28500290 [accepted 17 Mar 2017; published 12 May 2017]
- Elmes J, Skovdal M, Nhongo K, Ward H, Campbell C, Hallett TB, Nyamukapa C, **White PJ***, Gregson S*. [*joint senior authors] A reconfiguration of the sex trade: How social and structural changes in eastern Zimbabwe left women involved in sex work and transactional sex more vulnerable. *PLOS ONE* 2017; 12(2): e0171916. doi: 10.1371/journal.pone.0171916. PMID: 28225822 [accepted 10 Feb 2017; published 22 Feb 2017]
- Estcourt C, Sutcliffe L, Mercer CH, Copas A, Saunders J, Roberts TE, Fuller SS, Jackson LJ, Sutton AJ, **White PJ**, Birger R, Rait G, Johnson A, Hart G, Muniina P, Cassell J. The Ballseye programme: a mixed-methods programme of research in traditional sexual health and alternative community settings to improve the sexual health of men in the UK.

Programme Grants for Applied Research 2016; 4: 20. doi: 10.3310/pgfar04200. PMID: 27997089 [published ~15 Dec 2016]

Aldridge RW, Zenner D, **White PJ**, Williamson EJ, Muzyamba MC, Dhavan P, Mosca D, Thomas HL, Lalor MK, Abubakar I, Hayward AC. Tuberculosis in migrants moving from high-incidence to low-incidence countries: a population-based cohort study of 519,955 migrants screened before entry to England, Wales, and Northern Ireland.

Lancet 2016; 388: 2510–2518. doi: 10.1016/S0140-6736(16)31008-X. PMID: 27742165 [accepted 30 June 2016; published 11 Oct 2016]

Smieszek T, Castell S, Barrat A, Cattuto C, **White PJ**, Krause G. Contact diaries versus wearable proximity sensors in measuring contact patterns at a conference: method comparison and participants' attitudes.

BMC Infectious Diseases 2016; 16: 341. doi: 10.1186/s12879-016-1676-y. PMID: 27449511 [22 July 2016]

Aldridge RW, Zenner D, **White PJ**, Muzyamba MC, Loutet M, Dhavan P, Mosca D, Hayward AC, Abubakar I. Prevalence and risk factors for active tuberculosis in migrants screened before entry to the UK: a population-based cross-sectional study.

Lancet Infectious Diseases 2016; 16: 962–970. doi: 10.1016/S1473-3099(16)00072-4. PMID: 27013215 [online 21 March 2016; final version published ~19 July 2016]

Didelot X, Dordel J, Whittles LK, Collins C, Bilek N, Bishop CJ, **White PJ**, Aanensen DM, Parkhill J, Bentley SD, Spratt BG, Harris SR. Genomic analysis and comparison of two gonorrhoea outbreaks.

mBio 2016; 7(3): e00525-16. doi: 10.1128/mBio.00525-16. PMID: 27353752 [accepted 17 May 2016; published 28 June 2016]

White PJ, Abubakar I. Improving control of tuberculosis in low-burden countries: insights from mathematical modeling.

Frontiers in Microbiology 2016; 7: 394. doi: 10.3389/fmicb.2016.00394. PMID: 27199896 [3 May 2016]

Smieszek T, **White PJ**. Apparently-different Clearance Rates from Cohort Studies of *Mycoplasma genitalium* are Consistent after Accounting for Incidence of Infection, Recurrent Infection, and Study Design.

PLOS ONE 2016; 11(2): e0149087. doi: 10.1371/journal.pone.0149087. PMID: 26910762 [24 Feb 2016]

Grad YH, Goldstein E, Lipsitch M, **White PJ**. Improving control of antibiotic resistant gonorrhoea by integrating research agendas across disciplines: key questions arising from mathematical modeling.

Journal of Infectious Diseases 2016; 213(6): 883–890. doi: 10.1093/infdis/jiv517. PMID: 26518045 [online 30 Oct 2015]

Stagg HR, **White PJ**, Riekstina V, Cirule A, Škenders G, Leimane V, Kuksa L, Dravniece G, Brown J, Jackson C. Decreased Time to Treatment Initiation for Multidrug-Resistant Tuberculosis Patients after Use of Xpert MTB/RIF Test, Latvia.

Emerging Infectious Diseases 2016; 22(3): 482–490. doi: 10.3201/eid2203.151227. PMID: 26889608 [online 25 Jan 2016]

Stagg HR, Brown J, Ibraim E, Riekstina V, Viiklepp P, Cīrule A, Cocei H, Danilovits M, Dravniece G, Jackson C, **White PJ**. Drug Susceptibility Patterns in MDR-TB Patients: Challenges for Future Regimen Design. A Cross-Sectional Study.

PLOS ONE 2015; 10(11): e0142425. doi: 10.1371/journal.pone.0142425. PMID: 26558611 [11 Nov 2015]

Drobniewski F, Cooke M, Jordan J, Casali N, Mugwagwa T, Broda A, Townsend C, Sivaramakrishnan A, Green N, Jit M, Lipman M, Lord M, **White PJ**, Abubakar I. Systematic review, meta-analysis and economic modelling of molecular diagnostic tests for antibiotic resistance in tuberculosis.

Health Technology Assessment 2015; 19(34). doi: 10.3310/hta19340. PMID: 25952553 <http://www.nets.nihr.ac.uk/projects/hta/109601> [May 2015]

Cassell J, Dodds J, Estcourt C, Llewellyn C, Lanza S, Richens J, Smith H, Symonds M, Copas A, Roberts T, Walters K, **White PJ**, Mistry H, Rossello-Roig M, Smith H, Rait G. The relative clinical and cost-effectiveness of three contrasting approaches to partner notification for curable sexually transmitted

infections (STIs): a cluster randomised trial in primary care.

Health Technology Assessment 2015; 19(5). doi: 10.3310/hta19050. PMID: 25619445

<http://www.nets.nihr.ac.uk/projects/hta/074301> [online Jan 2015]

- Zhang X-S, Pebody R, De Angelis D, **White PJ**, Charlett A, McCauley JW. The Possible Impact of Vaccination for Seasonal Influenza on Emergence of Pandemic Influenza via Reassortment. *PLOS ONE* 2014; 9(12): e114637. doi: 10.1371/journal.pone.0114637. PMID: 25494180 [10 Dec 2014]
- Aldridge RW, Yates TA, Zenner D, **White PJ**, Abubakar I, Hayward AC. Pre-entry screening programmes for tuberculosis in migrants to low-incidence countries: a systematic review and meta-analysis. *Lancet Infectious Diseases* 2014; 14: 1240–1249. doi: 10.1016/S1473-3099(14)70966-1. PMID: 25455991 [online 7 Nov 2014]
- White PJ**, Fox J, Weber J, Fidler S, Ward H. How many HIV infections may be averted by targeting primary infection in MSM? Quantification of transmission-risk behavior-change using an individual-based model. *Journal of Infectious Diseases* 2014; 210(suppl 2): S594–S599. doi: 10.1093/infdis/jiu470. PMID: 25381380 [online 7 Nov 2014]
- Rönn M, **White PJ**, Hughes G, Ward H. Developing a conceptual framework of seroadaptive behaviors in HIV-diagnosed men who have sex with men. *Journal of Infectious Diseases* 2014; 210(suppl 2): S586–S593. doi: 10.1093/infdis/jiu482. PMID: 25381379 [online 7 Nov 2014]
- Elmes J, Nhongo K, Ward H, Hallett T, Nyamukapa C, **White PJ***, Gregson S*. [*joint senior authors] The price of sex: condom use and the determinants of the price of sex amongst female sex workers in eastern Zimbabwe. *Journal of Infectious Diseases* 2014; 210(suppl 2): S569–S578. doi: 10.1093/infdis/jiu493. PMID: 25381377 [online 7 Nov 2014]
- Rönn M, Hughes G, Simms I, Ison C, Alexander S, **White PJ**, Ward H. Challenges presented by re-emerging sexually transmitted infections in HIV positive men who have sex with men: an observational study of lymphogranuloma venereum in the UK. *Journal of AIDS & Clinical Research* 2014; 5: 329. doi: 10.4172/2155-6113.1000329. PMID: 26301124 [6 Aug 2014]
- Pelat C, Ferguson NM, **White PJ**, Reed C, Finelli L, Cauchemez S, Fraser C. Optimizing the Precision of Case fatality Ratio Estimates under the Surveillance Pyramid Approach. *American Journal of Epidemiology* 2014; 180(10): 1036–1046. doi: 10.1093/aje/kwu213. PMID: 25255809 [online 25 Sept 2014]
- Todd S, Diggle PJ, **White PJ**, Fearn A, Read, JM. The spatiotemporal association of non-prescription retail sales with cases during the 2009 influenza pandemic in Great Britain. *BMJ Open* 2014; 4:e004869. doi: 10.1136/bmjopen-2014-004869. PMID: 24780494 [online 29 Apr 2014]
- Althaus CL, Turner KM, Mercer CH, Auguste P, Roberts TE, Bell G, Herzog SA, Cassell JA, Edmunds WJ, **White PJ**, Ward H, Low N. Effectiveness and cost-effectiveness of traditional and new partner notification technologies for curable sexually transmitted infections: observational study, systematic reviews and mathematical modelling. *Health Technology Assessment* 2014; 18(2): 1–100. doi: 10.3310/hta18020. PMID: 24411488 <http://www.journalslibrary.nihr.ac.uk/hta/volume-18/issue-2> [Jan 2014]
- Rönn M, Hughes G, **White P**, Simms I, Ison C, Ward H. Characteristics of LGV repeaters: analysis of LGV surveillance data. *Sexually Transmitted Infections* 2014; 90(4): 275–278. doi: 10.1136/sextrans-2013-051386. PMID: 24431182 [online 15 Jan 2014]
- Zhang X-S, De Angelis D, **White PJ**, Charlett A, Pebody RG, McCauley J. Co-circulation of influenza A virus strains and emergence of pandemic via reassortment: The role of cross-immunity. *Epidemics* 2013; 5: 20–33. doi: 10.1016/j.epidem.2012.10.003. PMID: 23438428 [online 5 Nov 2012]

- Pareek M, Bond M, Shorey J, Seneviratne SL, Guy M, **White P**, Lalvani A, Kon OM. Community-based evaluation of immigrant tuberculosis screening using interferon gamma release assays and tuberculin skin testing: observational study and economic analysis. *Thorax* 2013; 68(3): 230–239. doi: 10.1136/thoraxjnl-2011-201542. PMID: 22693179. [online 12 June 2012]
- Bolotin S, Pebody R, **White PJ**, McMenemy J, Perera L, Nguyen-Van-Tam JS, Barlow T, Watson JM. A New Sentinel Surveillance System for Severe Influenza in England Shows a Shift in Age Distribution of Hospitalised Cases in the Post-Pandemic Period. *PLOS ONE* 2012; 7(1): e30279. doi: 10.1371/journal.pone.0030279. PMID: 22291929. [23 Jan 2012]
- Mercer CH, Aicken CRH, Estcourt CS, Keane F, Brook G, Rait G, **White PJ**, Cassell JA. Building the bypass: implications of improved access to sexual healthcare: evidence from surveys of patients attending contrasting genitourinary medicine clinics across England in 2004/2005 and 2009. *Sexually Transmitted Infections* 2012; 88: 9–15. doi: 10.1136/sextrans-2011-050257. PMID: 22199133. [Feb 2012; online 23 Dec 2011]
- Birrell PJ, Ketsetzis G, Gay NJ, Cooper BS, Presanis AM, Harris RJ, Charlett A, Zhang X-S, **White PJ**, Pebody RG, De Angelis D. Bayesian modeling to unmask and predict the influenza A/H1N1pdm dynamics in London. *Proceedings of the National Academy of Sciences of the USA* 2011; 108(45): 18238–18243. doi: 10.1073/pnas.1103002108. PMID: 22042838. [8 Nov 2011]
- Jit M, Stagg HR, Aldridge RW, **White PJ**, Abubakar I. A dedicated outreach service to hard-to-reach tuberculosis patients in London: observational study and economic evaluation. *British Medical Journal* 2011; 343: d5376. doi: 10.1136/bmj.d5376. PMID: 22067473. [13 Sep 2011]
- Campbell CNJ, Mytton OT, McLean EM, Rutter PD, Pebody RG, Sachedina N, **White PJ**, Hawkins C, Evans B, Waight PA, Ellis J, Birmingham A, Donaldson LJ, Catchpole M. Hospitalisation in two waves of pandemic influenza A(H1N1) in England. *Epidemiology and Infection* 2011; 139(10): 1560–1569. doi: 10.1017/S0950268810002657. PMID: 21108872. [Oct 2011; online 26 Nov 2010]
- Johnson LF, **White PJ**. A review of mathematical models of HIV/AIDS interventions and their implications for policy. *Sexually Transmitted Infections* 2011; 87(7): 629–634. doi: 10.1136/sti.2010.045500. PMID: 21685191. [Dec 2011; online 16 Jun 2011]
- Pareek M, Watson JP, Ormerod LP, Kon OM, Woltmann G, **White PJ**, Abubakar I, Lalvani A. Screening of immigrants in the UK for imported latent tuberculosis: a multicentre cohort study and cost-effectiveness analysis. *Lancet Infectious Diseases* 2011; 11: 435–444. doi: 10.1016/S1473-3099(11)70069-X. PMID: 21514236. [Jun 2011; online 20 Apr 2011]
- Flasche S, Hens N, Boëlle P-Y, Mossong J, van Ballegooijen WM, Nunes B, Dettmann M, Rizzo C, Popovici F, Santa-Olalla P, Hrubá F, Parmakova K, Baguelin M, van Hoek AJ, Desenclos JC, Bernillon P, Dehnert M, An der Heiden M, Larrauri Cámara A, Wallinga J, Asikainen T, **White PJ**, Edmunds WJ. Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: a comparative analysis of 12 European countries. *Epidemics* 2011; 3: 125–133. doi: 10.1016/j.epidem.2011.03.005. PMID: 21624784. [Jun 2011; online 13 Apr 2011]
- Pebody RG, Harris R, Kafatos G, Chamberland M, Campbell C, Nguyen-Van-Tam JS, McLean E, Andrews N, **White PJ**, Wynne-Evans E, Green J, Ellis J, Wreghitt T, Bracebridge S, Ihekweazu C, Oliver I, Smith G, Hawkins C, Salmon R, Smyth B, McMenemy J, Zambon M, Phin N, Watson JM. Use of antiviral drugs to reduce household transmission of pandemic (H1N1) 2009, United Kingdom. *Emerging Infectious Diseases* 2011; 17(6): 990–999. doi: 10.3201/eid1706.101161. PMID: 21749759. [1 Jun 2011]
- Fox J, **White PJ**, Weber J, Garnett GP, Ward H, Fidler S. Quantifying sexual exposure to HIV within an HIV serodiscordant relationship: development of an algorithm. *AIDS* 2011; 25: 1065–1082. doi: 10.1097/QAD.0b013e328344fe4a. PMID: 21537113. [15 May 2011]

- Keeling MJ, **White PJ**. Targeting vaccination against novel infections: risk, age and spatial structure for pandemic influenza in Great Britain.
Journal of the Royal Society Interface 2011; 8: 661–670. doi: 10.1098/rsif.2010.0474. PMID: 20943682. [6 May 2011; online 13 Oct 2010]
- House T, Baguelin M, van Hoek AJ, **White PJ**, Sadique Z, Eames K, Read JM, Hens N, Melegaro A, Edmunds WJ, MJ Keeling. Modelling the impact of local reactive school closures on critical care provision during an influenza pandemic.
Proceedings of the Royal Society series B 2011; 278: 2753–2760. doi: 10.1098/rspb.2010.2688. PMID: 21288945. [22 Sep 2011; online 2 Feb 2011]
- Aicken CRH, Cassell JA, Estcourt CS, Keane F, Brook G, Rait G, **White PJ**, Mercer CH. Rationale and development of a survey tool for describing and auditing the composition of, and flows between, specialist and community clinical services for sexually transmitted infections.
BMC Health Services Research 2011; 11: 30. <http://www.biomedcentral.com/1472-6963/11/30> doi: 10.1186/1472-6963-11-30. PMID: 21306604. [9 Feb 2011]
- Pareek M, Abubakar I, **White PJ**, Garnett GP, Lalvani A. TB screening of migrants to low TB burden nations: insights from evaluation of UK practice.
European Respiratory Journal 2011; 37: 1175–1182. doi: 10.1183/09031936.00105810. PMID: 21071474. [May 2011; online 11 Nov 2010]
- Dodd PJ, **White PJ**, Garnett GP. Notions of synergy for combinations of interventions against infectious diseases in heterogeneously mixing populations.
Mathematical Biosciences 2010; 227: 94–104. doi: 10.1016/j.mbs.2010.06.004. PMID: 20600157. [Oct 2010; online 1 Jul 2010]
- Eames KT, Tilston NL, **White PJ**, Adams E, Edmunds WJ. The impact of illness and the impact of school closure on social contact patterns.
Health Technology Assessment 2010; 14(34):267–312. doi: 10.3310/hta14340-04. PMID: 20630125. [1 Jul 2010]
- Van Kerkhove MD, Asikainen T, Becker N, Bjorge S, Desenclos J-C, dos Santos T, Fraser C, Leung GM, Lipstich M, Longini IM, McBryde E, Roth C, Shay DK, Smith D, Wallinga J, **White PJ**, Ferguson NM, Riley S [The WHO Informal Network for Mathematical Modelling for Pandemic Influenza H1N1 2009 (Working Group on Data Needs)] Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling.
PLOS Medicine 2010; 7(6): e1000275. doi: 10.1371/journal.pmed.1000275. PMID: 20532237. [22 Sep 2010; online 1 Feb 2010]
- McLean E, Pebody RG, Campbell C, Chamberland M, Hawkins C, Nguyen-Van-Tam JS, Oliver I, Smith GE, Ihekweazu C, Bracebridge S, Maguire H, Harris R, Kafatos G, **White PJ**, Wynne-Evans E, Green J, Myers R, Underwood A, Dallman T, Wreghitt T, Zambon M, Ellis J, Phin N, Smyth B, McMenamin J, Watson JM. Pandemic (H1N1) 2009 influenza in the UK: clinical and epidemiological findings from the first few hundred (FF100) cases.
Epidemiology and Infection 2010; 138: 1531–1541. doi: 10.1017/S0950268810001366. PMID: 20594381. [1 Nov 2010; online 1 Jul 2010]
- Nelson SJ, Hughes JP, Foxman B, Aral SO, Holmes KK, **White PJ**, Golden MR. Age- and gender-specific estimates of partnership formation and dissolution rates in the Seattle Sex Survey.
Annals of Epidemiology 2010; 20: 308–317. doi: 10.1016/j.annepidem.2009.11.003. PMID: 20071193. [Apr 2010; online 13 Jan 2010]
- Baguelin M, Van Hoek AJ, Jit M, Flasche S, **White PJ**, Edmunds WJ. Vaccination against pandemic influenza A/H1N1v in England: A real-time economic evaluation.
Vaccine 2010; 28: 2370–2384. doi: 10.1016/j.vaccine.2010.01.002. PMID: 20096762. [11 Mar 2010; online 21 Jan 2010]
- UNAIDS/WHO/SACEMA Expert Group on Modelling the Impact and Cost of Male Circumcision for HIV Prevention. [Hankins C, Hargrove J, Williams B, Abu Raddad L, Auvert B, Bollinger L, Dorrington R, Ghani A, Gray R, Hallett T, Kahn JG, Lohse N, Nagelkerke N, Porco T, Schmid G, Stover J, Weiss H, Welte A, **White P**, White R.] Male Circumcision for HIV Prevention in High HIV Prevalence Settings:

What Can Mathematical Modelling Contribute to Informed Decision Making?

PLOS Medicine 2009; 6(9): e1000109. doi: 10.1371/journal.pmed.1000109. PMID: 19901974. [Sep 2009; online 8 Sep 2009]

Fox J, **White PJ**, Macdonald N, Weber J, McClure M, Fidler S, Ward H. Reductions in HIV-transmission risk behaviour following diagnosis of primary HIV infection: a cohort of high-risk men who have sex with men.

HIV Medicine 2009; 10: 432–438. doi: 10.1111/j.1468-1293.2009.00708.x. PMID: 19459996. [Aug 2009; online 5 May 2009]

Health Protection Agency and Health Protection Scotland new influenza A(H1N1) investigation teams. [Pebody R, Joseph C, McLean E, Hawkins C, Kafatos G, Catchpole M, Van Tam J, Kaye P, Green J, **White P**, Phin N, Evans B, Watson J, Ellis J, Birmingham A, Lackenby A, Smith G, Palmer S, Inglis S, Oliver I, Turbitt D, Maguire H, Wreghitt T, Carrington D, Sudhanva M, Brown D, Miller L, Zambon M, McMenamin J, Ramsay C, Blatchford O, Goldberg D, Cowden J, Donaghy M, Eastaway A, Carmen B.] Epidemiology of new influenza A(H1N1) in the United Kingdom, April – May 2009.

Eurosurveillance 2009; 14(19): pii=19213.

<http://www.eurosurveillance.org/viewarticle.aspx?articleid=19213>. PMID: 19442403. [14 May 2009]

Bernabe-Ortiz A, **White PJ**, Carcamo CP, Hughes JP, Gonzales MA, Garcia PJ, Garnett GP, Holmes KK. Clandestine induced abortion in a Latin-American country: incidence, prevalence and risk factors.

Canadian Medical Association Journal 2009; 180: 298–304. doi: 10.1503/cmaj.071399. PMID: 19188628. [3 Feb 2009]

Garnett GP, **White PJ**, Ward H. Fewer partners or more condoms? Modelling the effectiveness of STI prevention interventions.

Sexually Transmitted Infections 2008; 84(Suppl II): i4–i11. doi: 10.1136/sti.2008.029850. PMID: 18799491. [Oct 2008]

Walker PT, Hallett TB, **White PJ**, Garnett GP. Interpreting declines in HIV prevalence: impact of spatial aggregation and migration on expected declines in prevalence.

Sexually Transmitted Infections 2008; 84(Suppl II): i42–i48. doi: 10.1136/sti.2008.029975. PMID: 18799492. [Oct 2008]

Mercer CH, Sutcliffe L, Johnson AM, **White PJ**, Brook G, Ross J, Dhar J, Horner P, Keane F, Jungmann E, Sweeney J, Kinghorn G, Garnett GP, Stephenson JM, Cassell JA. How much do delayed health care seeking, delayed care provision and diversion from primary care contribute to the transmission of STIs?

Sexually Transmitted Infections 2007; 83: 400–405. doi: 10.1136/sti.2006.024554. PMID: 17475683. [1 Aug 2007; online 2 May 2007]

Chesson HW, **White PJ**. The influence of epidemic phase on the cost-effectiveness of an STI prevention intervention: an exploratory analysis.

Sexually Transmitted Infections 2007; 83(Suppl I): i25–i29. doi: 10.1136/sti.2006.023564. PMID: 17314128. [1 Aug 2007; online 21 Feb 2007]

Hallett TB, **White PJ**, Garnett GP. The appropriate evaluation of HIV prevention interventions: from experiment to full scale implementation.

Sexually Transmitted Infections 2007; 83(Suppl I): i55–i60. doi: 10.1136/sti.2006.023663. PMID: 17215272. [Aug 2007; online 10 Jan 2007]

White PJ, Ward H, Garnett GP. Is HIV out of control in the UK? An example of analysing patterns of HIV spread using incidence-to-prevalence ratios.

AIDS 2006; 20: 1898–1901. doi: 10.1097/01.aids.0000244213.23574.fa. PMID: 16954735. [11 Sep 2006]

Gouws E, **White PJ**, Stover J, Brown T. Short term estimates of adult HIV incidence by mode of transmission: Kenya and Thailand as examples.

Sexually Transmitted Infections 2006; 82(Suppl III): iii51–iii55. doi: 10.1136/sti.2006.020164. PMID: 16735294. [1 Jun 2006]

Campos PE, Buffardi AL, Chiappe M, Buendia C, Garcia PJ, Carcamo CP, Garnett G, **White P**, Holmes KK. Utility of the Determine Syphilis TP rapid test in commercial sex venues in Peru.

Sexually Transmitted Infections 2006; 82: v22–v25. doi: 10.1136/sti.2006.023325. PMID: 17116642. [Dec 2006; online 20 Nov 2006]

White PJ, Ward H, Cassell JA, Mercer CH, Garnett GP. Vicious and virtuous circles in the dynamics of infectious disease and the provision of health care: gonorrhoea in Britain as an example. *Journal of Infectious Diseases* 2005; 192: 824–836. doi: 10.1086/432004. PMID: 16088832. [1 Sep 2005; online 21 Jul 2005]

Gregson S, Mushati P, **White PJ**, Mlilo M, Mundandi C, Nyamukapa C. Informal Confidential Voting Interview (ICVI) methods and temporal changes in reported sexual risk behaviour for HIV transmission in sub-Saharan Africa. *Sexually Transmitted Infections* 2004; 80(Suppl II): ii36–ii42. doi: 10.1136/sti.2004.012088. PMID: 15572638. [Dec 2004]

White PJ, Trout RC, Moss SR, Desai A, Armesto M, Forrester NL, Gould EA, Hudson PJ. Epidemiology of rabbit haemorrhagic disease virus in the UK: evidence for seasonal transmission by both virulent and avirulent modes of infection. *Epidemiology and Infection* 2004; 132: 555–567. doi: 10.1017/S0950268804002109. PMID: 15188725. [1 Jun 2004]

Forrester NL, Boag B, Moss SR, Turner SL, Trout RC, **White PJ**, Hudson PJ, Gould EA. Long-term survival of New Zealand rabbit haemorrhagic disease virus RNA in wild rabbits, revealed by RT-PCR and phylogenetic analysis. *Journal of General Virology* 2003; 84: 3079–3086. doi: 10.1099/vir.0.19213-0. PMID: 14573812. [Nov 2003]

White PJ, Norman RA, Hudson PJ. Epidemiological consequences of a pathogen having both virulent and avirulent modes of transmission: the case of rabbit haemorrhagic disease virus. *Epidemiology and Infection* 2002; 129: 665–677. doi: 10.1017/S095026880200777X. PMID: 12558352. [1 Dec 2002]

Moss SR, Turner SL, Trout RC, **White PJ**, Hudson PJ, Desai A, Armesto M, Forrester NL, Gould EA. Molecular epidemiology of rabbit haemorrhagic disease virus. *Journal of General Virology* 2002; 83: 2461–2467. doi: 10.1099/0022-1317-83-10-2461. PMID: 12237428. [Oct 2002]

White PJ, Norman RA, Trout RC, Gould EA, Hudson PJ. The emergence of rabbit haemorrhagic disease virus: will a non-pathogenic strain protect the UK? *Philosophical Transactions of the Royal Society series B – Biological Sciences* 2001; 356: 1087–1095. doi: 10.1098/rstb.2001.0897. PMID: 11516386. [29 Jul 2001]

White PJ, Garnett GP. Use of antiviral treatment and prophylaxis is unlikely to have a major impact on the prevalence of herpes simplex virus type 2. *Sexually Transmitted Infections* 1999; 75: 49–54. doi: 10.1136/sti.75.1.49. PMID: 10448343. [Feb 1999]

Bak J, **White P**, Timar G, Missiaen L, Genazzani AA, Galione A. Nicotinic acid adenine dinucleotide phosphate triggers Ca²⁺ release from brain microsomes. *Current Biology* 1999; 9: 751–754. doi: 10.1016/S0960-9822(99)80335-2. PMID: 10421579. [Jul 1999]

White PJ, Borts RH, Hirst MC. Stability of the human fragile X (CGG)_n triplet repeat array in *Saccharomyces cerevisiae* deficient in aspects of DNA metabolism. *Molecular and Cellular Biology* 1999; 19: 5675–5684. doi: 10.1128/MCB.19.8.5675. PMID: 10409756. [Aug 1999]

Hirst MC, **White PJ**. Cloned human FMR1 trinucleotide repeats exhibit a length and orientation dependent instability suggestive of *in vivo* lagging strand secondary structure. *Nucleic Acids Research* 1998; 26: 2353–2358. doi: 10.1093/nar/26.10.2353. PMID: 9580685. [15 May 1998]

(2) Book chapters

White PJ. Mathematical models in infectious disease epidemiology.

In: *Infectious Diseases 4th ed*, J Cohen, WG Powderly, SM Opal, eds. Elsevier, 22 July 2016, pp49–53. ISBN-10: 0702062855; ISBN-13: 978-0702062858.

Cohen T, **White P.** Transmission-dynamic models of infectious diseases.

In: *Oxford Specialist Handbook of Infectious Disease Epidemiology*. Abubakar I, Stagg HR, Cohen T, Rodrigues L, eds. Oxford University Press 2016, pp223–242. ISBN-10: 0198719833; ISBN-13: 978-0198719830.

Jit M, **White P.** Economic analysis of interventions against infectious diseases.

In: *Oxford Specialist Handbook of Infectious Disease Epidemiology*. Abubakar I, Stagg HR, Cohen T, Rodrigues L, eds. Oxford University Press 2016, pp243–255. ISBN-10: 0198719833; ISBN-13: 978-0198719830.

White PJ. Epidemiology of STI and HIV: An Overview of Concentration and Geographical and Temporal Dispersion.

In: *The New Public Health and STD/HIV Prevention: Personal, Public and Health Systems Approaches*. SO Aral, KA Fenton, JA Lipschutz, eds. Springer Science+Business Media, New York, 2013. pp33–63. ISBN-10: 1461445256; ISBN-13: 978-1461445258; www.springer.com/public+health/book/978-1-4614-4525-8; doi: 10.1007/978-1-4614-4526-5

White PJ, Garnett GP. Mathematical Modelling of the Epidemiology of Tuberculosis.

In: *Modelling Parasite Transmission and Control*. E Michael, RC Spear, eds. Springer, 2010. pp127–140. ISBN-10: 1441960635; ISBN-13: 978-1441960634. PMID: 20632534 [1 Jan 2010]
Alternative citation: *Adv Exp Med Biol*. 2010; 673: 127-140.

White PJ, Enright MC. Mathematical models in infectious disease epidemiology.

In: *Infectious Diseases 3rd ed*, J Cohen, WG Powderly, SM Opal, eds. Elsevier, 2010. pp70–75. ISBN-10: 0323045790; ISBN-13: 978-0323045797. [5 May 2010]

Swinton J, ... **White PJ,** Wilson, K. Microparasite transmission and persistence.

In: *The Ecology of Wildlife Diseases*. PJ Hudson, A Rizzoli, BT Grenfell, H Heesterbeek, AP Dobson, eds. Oxford University Press, 2002. pp83–101. ISBN-10: 0198506198; ISBN-13: 978-0198506195. [3 Jan 2002]

(3) Commissioned reports

White P, Jit M. What is the cost-effectiveness of latent tuberculosis infection (LTBI) treatment with different regimens?

Report for NICE, April 2015. <http://www.nice.org.uk/guidance/ng33/evidence/appendix-i-imperial-college-ltbi-treatment-report-30-april-2015-80851860834>

Addendum report for NICE, August 2015. <http://www.nice.org.uk/guidance/ng33/evidence/appendix-i2-imperial-college-ltbi-treatment-report-addendum-80851860835>

Informs NICE guidance: "Tuberculosis. NICE guideline, NG33", issued: January 2016; <http://nice.org.uk/guidance/ng33>

White P. Review of the methodology of calculation of the expected epidemiological and economic achievements of the implementation of the M/XDR-TB Action Plan.

Report for WHO EURO, September 2011.

White P, Jit M, Stagg H, Pimpin L, Choi Y, Mugwagwa T. Economic analysis of identifying and managing tuberculosis in hard to reach groups: homeless and prison populations.

Report for NICE, August 2011. <http://www.nice.org.uk/guidance/ph37/documents/economic-analysis-of-identifying-and-managing-tuberculosis-in-hard-to-reach-groups-homeless-and-prison-populations-2>

Informs NICE guidance: "Identifying and managing tuberculosis among hard-to-reach groups. Public health guidance, PH37- Issued: March 2012"; <http://guidance.nice.org.uk/PH37>

Abubakar I, **White P,** Jit M, Stagg H, Pimpin L, Aldridge R, Tamne S, Kruijshaar M. Evaluation of the Find and Treat service for the control of tuberculosis amongst hard to reach groups – Final Report.

Report for the Department of Health, May 2011.

- Abubakar I, **White P**, Jit M, Stagg H, Aldridge R, Tamne S, Pimpin L, Kruijshaar M, Anderson C. The cost-effectiveness of the Find and Treat service.
Report for the Department of Health, December 2010.
- Abubakar I, **White P**, Stagg H, Aldridge R, Jit M, Tamne S, Kruijshaar M, Anderson C. Evaluation of the Find and Treat service for the control of tuberculosis amongst hard to reach groups – Preliminary Report.
Report for the Department of Health, September 2010.
- Watson J, Abubakar I, Story A, Hayward A, Welfare R, **White P**, Garnett G, Mugford M, Jarrett J, van Hest R, Gorton S. Mobile targeted digital chest radiography in the control of tuberculosis among hard to reach groups – Key Findings.
Report for Department of Health, November 2007.

(4) Letters

- White PJ**, Lewis J. Response to Kounali et al.'s letter of response.
Epidemiology and Infection 2019; 147: e273. doi.org/10.1017/S0950268819001584. PMID: 31537206 [Accepted 15 Aug 2019; online 20 Sept 2019]
- White PJ**, Lewis J. Letter to editor in response to Has *Chlamydia trachomatis* prevalence in young women in England, Scotland and Wales changed? Evidence from national probability surveys.
Epidemiology and Infection 2019; 147: e271. doi.org/10.1017/S0950268819001572. PMID: 31537203 [Accepted 8 Aug 2019; online 20 Sept 2019]
- White PJ**, Lewis J. Estimating chlamydia prevalence: more difficult than modelling suggests – Authors' reply.
Lancet Public Health 2018; 3(9): e417. doi: 10.1016/S2468-2667(18)30129-4. PMID: 30193696 [accepted 24 July 2018; online 5 Sept 2018]
- Whittles LK, Didelot X, Grad YH, **White PJ**. Testing for gonorrhoea should routinely include the pharynx.
Lancet Infectious Diseases 2018; 18(7): 716–717. doi: 10.1016/S1473-3099(18)30341-4. PMID: 29976520 [accepted 14 May 2018; online 21 June 2018]
- White PJ**, Abubakar I. Hepatitis C virus treatment as prevention in people who inject drugs.
Lancet Infectious Diseases 2018; 18(3): 379. doi: 10.1016/S1473-3099(18)30130-0. PMID: 29582763 [accepted 2 Feb 2018; online 22 Mar 2018]
- Bradshaw CS, Horner PJ, Jensen JS, **White PJ**. Syndromic management of sexually-transmitted infections and the threat of untreatable *Mycoplasma genitalium*.
Lancet Infectious Diseases 2018; 18(3): 251–252. doi: 10.1016/S1473-3099(18)30080-X. PMID: 29485089 [accepted 5 Jan 2018; online 21 Feb 2018]
- White PJ**, Abubakar I, Aldridge RW, Hayward AC. Post-migration follow-up of migrants at risk of tuberculosis.
Lancet Infectious Diseases 2017; 17(11): 1124. doi: 10.1016/S1473-3099(17)30567-4. PMID: 29115264 [accepted 8 Sep 2017; online ~27 Oct 2017]
- White PJ**. Increases in gonorrhoea incidence and GUM clinic waiting times: are we in a vicious circle like the late 1990s and early 2000s, but now exacerbated by drug resistance?
Sexually Transmitted Infections 2017; 93: 471. doi: 10.1136/sextrans-2017-053242. PMID: 29061695 [accepted 29 Apr 2017; online 23 Oct 2017]
- Aldridge RW, Yates TA, Zenner D, **White PJ**, Abubakar I, Hayward AC. 'Pre-entry screening for tuberculosis' commentary: authors' response.
Pathogens and Global Health 2015; 109(4): 166–167. doi: 10.1179/2047772415Z.000000000278. PMID: 26193844 [online 21 July 2015]
- Fox J, **White PJ**, Weber J, Garnett GP, Ward H, Fidler S. Could we, should we? Yes.
AIDS 2011; 25: 1801. doi: 10.1097/QAD.0b013e32834a1cbb. PMID: 21876391. [10 Sep 2011]
- Pareek M; Abubakar I; **White PJ**; Garnett GP; Lalvani A. UK immigrant screening is inversely related to regional tuberculosis burden.
Thorax 2011; 66(11): 1010. doi: 10.1136/thx.2010.152280. PMID 21325664. [Nov 2011; online 16 Feb 2011]

White PJ, Bernabe-Ortiz A. Incidence of induced abortions in Peru – Response.

Canadian Medical Association Journal 2009; 180: 1133–1134. doi: 10.1503/cmaj.1090013. [26 May 2009]

Ward H, **White PJ**, Garnett GP. The impact of condoms depends on biological and behavioural context.

British Medical Journal 2008; 4 February. www.bmj.com/rapid-response/2011/11/01/impact-condoms-depends-biological-and-behavioural-context