

Links of Publications - Control of influenza: individual and population immunity (T11-712/19-N)

1. Lv H, Wu NC, Tsang OT, Yuan M, Perera RAPM, Leung WS, So RTY, Chan JMC, Yip GK, Chik TSH, Wang Y, Choi CYC, Lin Y, Ng WW, Zhao J, Poon LLM, Peiris JSM, Wilson IA, Mok CKP. Cross-reactive Antibody Response between SARS-CoV-2 and SARS-CoV Infections. *Cell Reports* 2020 Jun 2;31(9):107725. [\[link\]](#)
2. Arunachalam PS, Wimmers F, Mok CKP, Perera RAPM, Scott M, Hagan T, Sigal N, Feng Y, Bristow L, Tak-Yin Tsang O, Wagh D, Collier J, Pellegrini KL, Kazmin D, Alaeddine G, Leung WS, Chan JMC, Chik TSH, Choi CYC, Huerta C, Paine McCullough M, Lv H, Anderson E, Edupuganti S, Upadhyay AA, Bosinger SE, Maecker HT, Khatri P, Roupheal N, Peiris M, Pulendran B. Systems biological assessment of immunity to mild versus severe COVID-19 infection in humans. *Science*. 2020 Sep 4;369(6508):1210-1220. [\[link\]](#)
3. Adam DC, Wu P, Wong JY, Lau EHY, Tsang TK, Cauchemez S, Leung GM, Cowling BJ. Clustering and superspreading potential of SARS-CoV-2 infections in Hong Kong. *Nature Medicine*. 2020 Nov;26(11):1714-1719. [\[link\]](#)
4. Koutsakos M, Rowntree LC, Hensen L, Chua BY, van de Sandt CE, Habel JR, Zhang W, Jia X, Kedzierski L, Ashhurst TM, Putri GH, Marsh-Wakefield F, Read MN, Edwards DN, Clemens EB, Wong CY, Mordant FL, Juno JA, Amanat F, Audsley J, Holmes NE, Gordon CL, Smibert OC, Trubiano JA, Hughes CM, Catton M, Denholm JT, Tong SYC, Doolan DL, Kotsimbos TC, Jackson DC, Krammer F, Godfrey DI, Chung AW, King NJC, Lewin SR, Wheatley AK, Kent SJ, Subbarao K, McMahon J, Thevarajan I, Nguyen THO, Cheng AC, Kedzierska K. Integrated immune dynamics define correlates of COVID-19 severity and antibody responses. *Cell Reports Medicine* 2021 Mar 16;2(3):100208. [\[link\]](#)
5. Su W, Harfoot R, Su YCF, DeBeauchamp J, Joseph U, Jayakumar J, Crumpton JC, Jeevan T, Rubrum A, Franks J, Pascua PNQ, Kackos C, Zhang Y, Zhang M, Ji Y, Bui HT, Jones JC, Kercher L, Krauss S, Pleschka S, Chan MCW, Webster RG, Wu CY, Van Reeth K, Peiris M, Webby RJ, Smith GJD, Yen HL. Ancestral sequence reconstruction pinpoints adaptations that enable avian influenza virus transmission in pigs. *Nat Microbiol*. 2021 Nov;6(11):1455-1465. [\[link\]](#)
6. Cheng SMS, Mok CKP, Leung YWY, Ng SS, Chan KCK, Ko FW, Chen C, Yiu K, Lam BHS, Lau EHY, Chan KKP, Luk LLH, Li JKC, Tsang LCH, Poon LLM, Hui DSC, Peiris M. Neutralizing antibodies against the SARS-CoV-2 Omicron variant BA.1 following homologous and heterologous CoronaVac or BNT162b2 vaccination. *Nat Med*. 2022 Mar;28(3):486-489. [\[link\]](#)
7. Yen HL, Sit THC, Brackman CJ, Chuk SSY, Gu H, Tam KWS, Law PYT, Leung GM, Peiris M, Poon LLM; HKU-SPH study team. Transmission of SARS-CoV-2 delta variant (AY.127) from pet hamsters to humans, leading to onward human-to-human transmission: a case study. *Lancet*. 2022 Mar 12;399(10329):1070-1078. [\[link\]](#)
8. Kenrie P. Y. Hui, John C. W. Ho, Man-chun Cheung, Ka-chun Ng, Rachel H. H. Ching, Ka-ling Lai, Tonia Tong Kam, Haogao Gu, Ko-Yung Sit, Michael K. Y. Hsin, Timmy W. K. Au, Leo L. M. Poon, Malik Peiris, John M. Nicholls & Michael C. W. Chan. SARS-CoV-2 Omicron variant replication in human bronchus and lung ex vivo. *Nature* 603, 715–720 (2022). [\[link\]](#)
9. Habel JR, Nguyen AT, Rowntree LC, Szeto C, Mifsud NA, Clemens EB, Loh L, Chen W, Rockman S, Nelson J, Davies J, Miller A, Tong SYC, Rossjohn J, Gras S, Purcell AW, Hensen L, Kedzierska K, Illing PT. HLA-A*11:01-restricted CD8+ T cell immunity against influenza A and influenza B viruses in Indigenous and non-Indigenous people. *PLoS Pathog*. 2022 Mar 7;18(3):e1010337. [\[link\]](#)
10. Zhang W, Kedzierski L, Chua BY, Mayo M, Lonzi C, Rigas V, Middleton BF, McQuilten HA, Rowntree LC, Allen LF, Purcell RA, Tan HX, Petersen J, Chaurasia P, Mordant F, Pogorelyy MV, Minervina AA, Crawford JC, Perkins GB, Zhang E, Gras S, Clemens EB, Juno JA, Audsley J, Khoury DS, Holmes NE, Thevarajan I, Subbarao K, Krammer F, Cheng AC, Davenport MP, Grubor-Bauk B, Coates PT, Christensen B, Thomas PG, Wheatley AK, Kent SJ, Rossjohn J, Chung AW, Boffa J, Miller A, Lynar S, Nelson J, Nguyen THO, Davies J, Kedzierska K. Robust and prototypical immune responses toward COVID-19 vaccine in First Nations peoples are impacted by comorbidities. *Nat Immunol*. 2023 Jun;24(6):966-978. [\[link\]](#)
11. Tsang TK, Wang C, Fang VJ, Perera RAPM, So HC, Ip DKM, Leung GM, Peiris JSM, Cauchemez S, Cowling BJ. Reconstructing household transmission dynamics to estimate the infectiousness of asymptomatic influenza virus infections. *Proceedings of the National Academy of Sciences*. August 7, 2023 120 (33) e2304750120. [\[link\]](#)
12. Cowling BJ, Wong SS, Santos JJS, Touyon L, Ort J, Ye N, Kwok NKM, Ho F, Cheng SMS, Ip DKM, Peiris M, Webby RJ, Wilson PC, Valkenburg SA, Tsang JS, Leung NHL, Hensley SE, Cobey S. Cobey. Preliminary Findings From the Dynamics of the Immune Responses to Repeat Influenza Vaccination Exposures (DRIVE I) Study: A Randomized Controlled Trial, *Clinical Infectious Diseases*, 2024;, ciae380, <https://doi.org/10.1093/cid/ciae380>. [\[link\]](#)