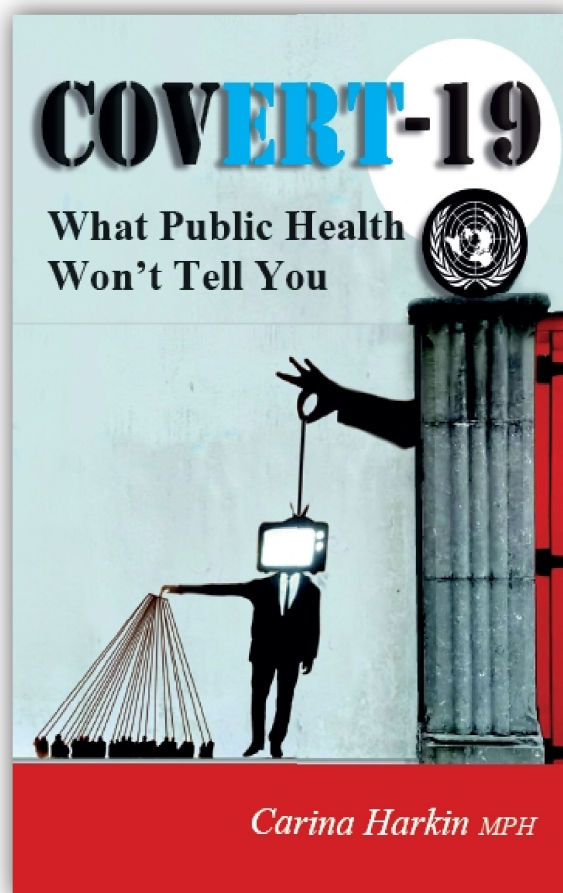


## References (1493 on 75 pages)

1. Martin Luther King J. The ultimate tragedy is not the oppression and cruelty by the bad people but the silence over that by the good people: BrainyQuote; 2021 [Available from: [https://www.brainyquote.com/quotes/martin\\_luther\\_king\\_jr\\_390143](https://www.brainyquote.com/quotes/martin_luther_king_jr_390143)].
2. Gibson M. They may take our lives, but they'll never take our freedom! : American Rhetoric; 2021 [Available from: <https://www.americanrhetoric.com/MovieSpeeches/specialengagements/moviespeechbraveheart.html>].
3. Tutu D. If you are neutral in situations of injustice, you have chosen the side of the oppressor: Oxford Reference; 2021 [Available from: <https://www.oxfordreference.com/view/10.1093/acref/9780191843730.001.0001/q-oro-ed5-00016497>].
4. X M. If you're not careful, the newspapers will have you hating the people who are being oppressed, and loving the people who are doing the oppressing." San Fransisco, California, US: Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/280633-if-you-re-not-careful-the-newspapers-will-have-you-hating>].
5. GHSA. Global Health Security Agenda Atlanta, Georgia, US: Global Health Security Agenda 2021 [Available from: <https://ghsagenda.org/>].
6. WTO. IMF, World Bank, WHO, WTO launch joint vaccine information website Geneva, Switzerland: WTO; 2021 [Available from: [https://www.wto.org/english/news\\_e/news21\\_e/igo\\_28jul21\\_e.htm](https://www.wto.org/english/news_e/news21_e/igo_28jul21_e.htm)].
7. WEF. Our Partners Davos World Economic Forum; 2020 [Available from: <https://www.weforum.org/about/our-partners/>].
8. WEF. This major issue needs to be resolved before we can become a cashless society Cologny, Switzerland: WEF; 2021 [Available from: <https://www.weforum.org/agenda/2020/06/covid19-digital-cash-payments-government/>].
9. Forum WE. What is the Great Reset? | Davos Agenda 2021. In: Forum WE, editor.: YouTube; 2021 Jan. 30.
10. WEF. WEF by 2030 You'll own nothing And you'll be happy. Online: YouTube; 2021.
11. Foundation. TR. Rebuilding Towards the Great Reset: Crisis, Covid-19, and the Sustainable Development Goals Washington, DC, US: The Rockefeller Foundation; 2021 [Available from: <https://www.rockefellerfoundation.org/blog/rebuilding-towards-the-great-reset-crisis-covid-19-and-the-sustainable-development-goals/>].
12. Security JHCfH. The Event 201 scenario Baltimore, Maryland: WEF; 2021 [Available from: <https://www.centerforhealthsecurity.org/event201/scenario.html>].
13. WEF. Cyber Polygon Cologny, Switzerland: WEF; 2021 [Available from: <https://www.weforum.org/projects/cyber-polygon>].
14. YouTube. Klaus Schwab - The Great Reset "Cyber Pandemic" FULL CLIP @ World Economic Forum CYBER POLYGON 2020. In: CyberAttack2020, editor.: YouTube; 2020 Nov 23.
15. Rudnicka E, Napierała P, Podfigurna A, Męczekalski B, Smolarczyk R, Grymowicz M. The World Health Organization (WHO) approach to healthy ageing. *Maturitas*. 2020;139:6-11.



16. Stuen C, Barratt J, Bluestone K, Dhar E. UN Agenda 2030: Adult Vaccinations as a Public Health Interest for Healthy Ageing: Innov Aging. IAGG; 2017 Jun 30.
17. UN. Policy Brief: The World of Work and COVID-19. Geneva, Switzerland: International Labor Organization; 2020 Jun.
18. Celente G. The Trends Journal New York, New York, US: Gerald Celente 2021 [Available from: <https://trendsresearch.com/>].
19. Auboin M. Fulfilling the Marrakesh Mandate on Coherence: Ten years of cooperation between the WTO, IMF and World Bank. Geneva, Switzerland: World Trade Organization (WTO), Economic Research and Statistics Division; 2007.
20. IMF. The Great Reset Washington, D.C.: The International Monetary Fund (IMF) 2020 Jun 03 [Available from: <https://www.imf.org/en/News/Articles/2020/06/03/sp060320-remarks-to-world-economic-forum-the-great-reset>].
21. Nadja Al Kanawati NP. Can the WEF Re-Connect the WTO to the Global Business Community? Journal of World Trade. 2021(1):145-70.
22. Usman MS, Siddiqi TJ, Khan MS, Patel UK, Shahid I, Ahmed J, et al. Is there a smoker's paradox in COVID-19? BMJ Evidence-Based Medicine. 2020:bmjebm-2020-111492.
23. World Bank WBG, IBRD, IDA. COVID-19 Strategic Preparedness and Response Program (SPRP) and Proposed 25 Projects under Phase 1 using the Multiphase Programmatic Approach (MPA) Washington, D.C., United States: World Bank; 2020 April 02.
24. Group HDP. International Bank for Reconstruction and Development and International Association Projection Paper on a Proposed Additional Financing to the COVID-19 Strategic Preparedness and Response Program (SPRP) using the Multiphase Programmatic Approach (Global COVID-19 MPA) with an Additional IBRD and IDA Financing of up to US\$12 Billion from IDA and up to US\$6 Billion from IRBD. Washington, D.C.: The World Bank; 2020 Oct. 13.
25. WHO. Director-General rescinds Goodwill Ambassador appointment [Internet]. Geneva, Switzerland: WHO; 2017 [cited 2021 Jan. 15]. Available from: <https://www.who.int/news/item/22-10-2017-director-general-rescinds-goodwill-ambassador-appointment>.
26. Desk N. Zimbabwe's Matabeleland massacres [Internet]. London, UK: British Broadcasting Corporation; 2108 [cited 2021 Jan. 15]. Available from: <https://www.bbc.com/news/av/stories-43713939>.
27. Doran S. New documents claim to prove Mugabe ordered Gukurahundi killings. The Guardian. 2015 May 19.
28. Day M. Who's funding WHO? 2007;334(7589):338-40.
29. Kerlin DWaA. Special Report: Food, beverage industry pays for seat at health-policy tabl. Geneva, Switzerland Reuters; 2012 Oct 19.
30. Kearns CE, Glantz SA, Schmidt LA. Sugar industry influence on the scientific agenda of the National Institute of Dental Research's 1971 National Caries Program: a historical analysis of internal documents. PLoS Med. 2015;12(3):e1001798.
31. Organisation PAHOROotWH. Pan American Forum for Action on Noncommunicable Diseases (PAFNCD). Mexico; 2012.
32. Director-General DMCW. WHO sets the record straight on work with the food and beverage industry 2012 Nov 19 [Available from: [http://www.who.int/mediacentre/news/statements/2012/nutrition\\_20121119/en/](http://www.who.int/mediacentre/news/statements/2012/nutrition_20121119/en/)].
33. Pan S-Y, Litscher G, Chan K, Yu Z-L, Chen H-Q, Ko K-M. Traditional Medicines in the World: Where to Go Next? Evidence-Based Complementary and Alternative Medicine. 2014;2014:739895.
34. Lejczak B. Responsible Investing: Does It Pay to Be "Bad"? 2015 Mar 03 [Available from: <https://www.credit-suisse.com/corporate/en/articles/news-and-expertise/responsible-investing-does-it-pay-to-be-bad-201503.html>].
35. Davies R. Council pension funds are major investors in tobacco companies. The Guardian. 2018 Aug 18.

36. Deegan G. Irish State has €9m invested in the tobacco industry. Irish Examiner. 2015 March 07.
37. Finn C. Courts Service of Ireland still holds €6 million worth of shares in tobacco companies. 2017 July 03.
38. Hardwicke CJ. The World Health Organization and the Pharmaceutical Industry. Adverse Drug Reactions and Toxicological Reviews. 2002;21(1):51-99.
39. GAVI. Industrialised country pharmaceutical industry [Internet ]. Geneva, Switzerland: GAVI The Vaccine Alliance; 2021 [Available from: <https://www.gavi.org/operating-model/gavis-partnership-model/industrialised-country-pharmaceutical-industry>].
40. (AFP) AF-P. Italy's WHO whistle-blower: 'I don't want this swept under the carpet'. The Local IT. 2021 Jan. 09
41. Desk N. WHO team investigating coronavirus origins denied entry into China. The Journal 2021.
42. Newey S. Calls for new probe into Covid outbreak as WHO's Wuhan mission questioned. The Irish Independent. 2021.
43. Press TA. U.S. to block cotton from Chinese region over Uighur crackdown New York, New York, United States: James Goldston; 2021 Jan. 14 [cited 2021 Jan. 15]. Available from: <https://www.nbcnews.com/news/world/u-s-block-cotton-chinese-region-over-uighur-crackdown-n1254237>.
44. DW. What influence does China have over the WHO? Bonn, Germany: DW Publishing Co; 2021 [Available from: <https://www.dw.com/en/what-influence-does-china-have-over-the-who/a-53161220>].
45. WHO. How WHO is funded [Internet]. Geneva, Switzerland: WHO; 2021 [Available from: <https://www.who.int/about/funding#:~:text=WHO%20gets%20its%20funding%20from,Member%20States%20and%20other%20partners>].
46. Staff R. China pledges \$30 million more for WHO's coronavirus fight Canary Wharf, London, United Kingdom: Thomson Reuters; 2020 Apr. 23 [cited 2021 Jan. 15]. Available from: <https://www.reuters.com/article/us-health-coronavirus-china-who/china-pledges-30-million-more-for-whos-coronavirus-fight-idUSKCN2250VM>.
47. WHO. China Population Welfare Fund to channel donations from Chinese companies, charities, and individuals towards COVID-19 Solidarity Response Fund for WHO [Internet]. Geneva, Switzerland: WHO; 2021 [cited 2021 Jan. 15]. Available from: <https://www.who.int/china/news/detail/20-05-2020-china-population-welfare-fund-to-channel-donations-from-chinese-companies-charities-and-individuals-towards-covid-19-solidarity-response-fund-for-who>.
48. Kuo L. Live coronavirus found on frozen food packaging in China. The Guardian 2020 Oct 19.
49. Fan Y, Zhao K, Shi Z-L, Zhou P. Bat Coronaviruses in China. Viruses. 2019;11(3).
50. Xie J. Chinese Lab with Checkered Safety Record Draws Scrutiny over COVID-19 Washington, D.C., United States: Voice of America United States Congress; 2020 Apr 21 [Available from: <https://www.voanews.com/covid-19-pandemic/chinese-lab-checkered-safety-record-draws-scrutiny-over-covid-19>].
51. Virology WIo. Partnerships Wuhan, China: Wuhan Institute of Virology; 2021 [Available from: [http://english.whiov.cas.cn/International\\_Cooperation2016/Partnerships/](http://english.whiov.cas.cn/International_Cooperation2016/Partnerships/)].
52. Branswell H. NIH awards \$7.5 million grant to EcoHealth Alliance, months after uproar over political interference Boston, MA, United States: Boston Globe Media; 2020 Aug 27 [Available from: <https://www.statnews.com/2020/08/27/nih-awards-grant-to-ecohealth-alliance-months-after-uproar-over-political-interference/>].
53. (TAGGS) TAiGGS. Understanding the Risk of Bat Coronavirus Emergence Washington, D.C., United States: U.S. Department of Health & Human Services 2021 [Available from: [https://taggs.hhs.gov/Detail/AwardDetail?arg\\_AwardNum=R01AI110964&arg\\_ProgOfficeCode=104](https://taggs.hhs.gov/Detail/AwardDetail?arg_AwardNum=R01AI110964&arg_ProgOfficeCode=104)].

54. Stacey K. Anthony Fauci facing calls to quit over Wuhan lab-leak stance. Irish Times. 2021 Jun 06.
55. Brown L. Chinese virologist says Fauci's emails 'verify' her Wuhan lab leak claims. New York Post 2021 Jun 04.
56. Seitz K, Martens J. Philanthrolateralism: Private Funding and Corporate Influence in the United Nations. Global Policy. 2017;8(S5):46-50.
57. New funding will allow countries to secure sustainable vaccine supplies and reach children more quickly - UNICEF | Press centre | UNICEF [press release]. Copenhagen 2017 Dec 13
58. Seitz JMaK. Philanthropic Power and Development. Bonn, Germany: Global Policy Forum; 2015
59. OKeefe E. Bill Gates: America's Top Farmland Owner. The Land Report. 2021 Jan. 11.
60. Gates B. Innovating to Zero Vancouver, Canada: Chris Anderson; 2010 [Available from: [https://www.ted.com/talks/bill\\_gates\\_innovating\\_to\\_zero/transcript?language=en](https://www.ted.com/talks/bill_gates_innovating_to_zero/transcript?language=en)].
61. Tetanus vaccine may be laced with anti-fertility drug. International / developing countries. Vaccine Wkly. 1995;9-10.
62. Kumar S. Research into anti-fertility vaccine continues despite protests. Lancet. 1998;352(9139):1528.
63. Sridhar MTaD. Global health disruptors: The Bill and Melinda Gates Foundation. BMJ. 2018 Nov 28.
64. WHO. WHO launches new global influenza strategy 2019 Mar 11 [Available from: <https://www.who.int/news-room/detail/11-03-2019-who-launches-new-global-influenza-strategy>].
65. CDC. Our Partners: Corporations Atlanta, Georgia, United States: CDC Foundation; 2021 [Available from: <https://www.cdcfoundation.org/partner-list/corporations>].
66. Birn AE. Backstage: the relationship between the Rockefeller Foundation and the World Health Organization, Part I: 1940s-1960s. Public Health. 2014;128(2):129-40.
67. Schäfer D. Rockefellers and Rothschilds unite. Financial Times. 2012 May.
68. Thomas KK. Cultivating Hygiene as a Science: The Welch-Rose Report's Influence at Johns Hopkins and Beyond. Am J Epidemiol. 2016;183(5):345-54.
69. ArchiveWeb TR. February 2019: Telegraphic code books (South American business), 1909-1938 London, UK: Rothschild 2021 [Available from: [https://www.rothschildarchive.org/collections/treasure\\_of\\_the\\_month/february\\_2019\\_telegraphic\\_code\\_books\\_south\\_american\\_business\\_1909\\_1938](https://www.rothschildarchive.org/collections/treasure_of_the_month/february_2019_telegraphic_code_books_south_american_business_1909_1938)].
70. Services CoA. The Dark Winter Scenario and Bioterrorism Washington DC, US: US Government Printing Office; 2001 [Available from: <https://www.govinfo.gov/content/pkg/CHRG-107shrg79479/html/CHRG-107shrg79479.htm>].
71. Kissinger NSCaH. National Security Study Memorandum NSSM; The Kissinger Report. White House, Washington, CD, US; 1974 Dec 10.
72. Vasquez Del Aguila E. Precarious Lives: Forced sterilisation and the struggle for reproductive justice in Peru. Glob Public Health. 2020;1-15.
73. Booth R. Secret planning exercise in 2016 modelled impact of Mers outbreak in UK. The Guardian. 2021 Jun 10.
74. YouTube. Aldous Huxley on Technodictators. In: Blank Bo, editor.: YouTube; 2016.
75. Leslie E. Sekerka LB. Thick as Thieves? Big Pharma Wields its Power with the Help of Government Regulation Atlanta, GA, US: Emory University School of Law; 2021 [Available from: <https://law.emory.edu/ecgar/content/volume-5/issue-2/essays/thieves-pharma-power-help-government-regulation.html>].
76. Yan H. Covid-19 now kills more than 1 American every minute Atlanta, Georgia, United States: WarnerMedia; 2020 ec. [Available from: <https://edition.cnn.com/2020/12/14/health/us-covid-deaths-300k/index.html>].
77. Salehidoost R, Mansouri A, Amini M, Aminorroaya Yamini S, Aminorroaya A. Diabetes and all-cause mortality, a 18-year follow-up study. Scientific Reports. 2020;10(1):3183.

78. Khan MA, Moverley Smith JE. "Covibesity," a new pandemic. *Obes Med*. 2020;19:100282-.
79. Maciejewski ML, Arterburn DE. Cost-effectiveness of bariatric surgery. *Jama*. 2013;310(7):742-3.
80. Dr Srinivasa Vittal Katikireddi F, Elise Whitley, PhD, Jim Lewsey, PhD, Lindsay Gray, PhD, Prof Alastair H Leyland, PhD. Socioeconomic status as an effect modifier of alcohol consumption and harm: analysis of linked cohort data. *The Lancet*. 2017 2(6).
81. Sharp L, Donnelly D, Hegarty A, Carsin A-E, Deady S, McCluskey N, et al. Risk of several cancers is higher in urban areas after adjusting for socioeconomic status. Results from a two-country population-based study of 18 common cancers. *Journal of urban health : bulletin of the New York Academy of Medicine*. 2014;91(3):510-25.
82. Chaudhry R, Dranitsaris G, Mubashir T, Bartoszko J, Riazi S. A country level analysis measuring the impact of government actions, country preparedness and socioeconomic factors on COVID-19 mortality and related health outcomes. *EclinicalMedicine*. 2020;25:100464.
83. Oxfam. The Inequality Virus. Nairobi, Kenya: Oxfam; 2021 Jan.
84. Bank W. The Global Economic Outlook During the COVID-19 Pandemic: A Changed World Washington, D.C.: IMF; 2020 Jun 08 [Available from: <https://www.worldbank.org/en/news/feature/2020/06/08/the-global-economic-outlook-during-the-covid-19-pandemic-a-changed-world>].
85. Horton R. Why the Sustainable Development Goals will fail. *The Lancet*. 2014;383(9963):2916.
86. Bank W. COVID-19 to Plunge Global Economy into Worst Recession since World War II Washington, D.C., United States: International Bank for Reconstruction and Development (IBRD); 2021 [Available from: <https://www.worldbank.org/en/news/press-release/2020/06/08/covid-19-to-plunge-global-economy-into-worst-recession-since-world-war-ii>].
87. Paremoer L, Nandi S, Serag H, Baum F. Covid-19 pandemic and the social determinants of health. *BMJ*. 2021;372:n129.
88. Lancet Covid-19 Commissioners TFC, Commission S. Lancet COVID-19 Commission Statement on the occasion of the 75th session of the UN General Assembly. *Lancet (London, England)*. 2020;396(10257):1102-24.
89. Woods H. How billionaires saw their net worth increase by half a trillion dollars during the pandemic. *Business Insider*. 2020 Oct. 30.
90. Health CoSDo. Final Report of the Commission on Social Determinants of Health Closing the gap in a generation: health equity through action on the social determinants of health. Geneva: World Health Organisation; 2008.
91. Diego Alejo et al. Reward work, not wealth. Oxfam International 2018 Jan.
92. Thornton G. NHS companies – An enterprising approach to health Chicago, Illinois, US: Grant Thornton UK LLP; 2017.
93. Nagendran M, Kiew G, Raine R, Atun R, Maruthappu M. Financial performance of English NHS trusts and variation in clinical outcomes: a longitudinal observational study. *BMJ Open*. 2019;9(1):e021854.
94. Busby E. NHS trusts 'fritter away' millions of public money outsourcing staff to private companies, Unison says. *The Independent*. 2018 Apr 16.
95. Conford P. 'Smashed by the National Health'? A Closer Look at the Demise of the Pioneer Health Centre, Peckham. *Med Hist*. 2016;60(2):250-69.
96. Holloway BG, RN, M.Ed. Hurd, Robert, MD. When Your Weight Gain Is Caused by Medicine. *Health Encyclopedia: University of Rochester Medical Center*; 2018.
97. Cox BSaC. How does health spending in the U.S. compare to other countries? : Paterson Kaiser Health System Tracker; 2018 [Available from: <https://www.healthsystemtracker.org/chart-collection/health-spending-u-s-compare-countries/#item-start>].
98. Fund TC. In New Survey of 11 Countries, U.S. Adults Still Struggle with Access to and Affordability of Health Care 2018 [updated Oct 24 2018].



99. Leslie E. Sekerka LB. Thick as Thieves? Big Pharma Wields its Power with the Help of Government Regulation † [Internet]. Emory University School of Law 2020 [Available from: <https://law.emory.edu/ecgar/content/volume-5/issue-2/essays/thieves-pharma-power-help-government-regulation.html>].
100. Portal TS. Value of selected medical pharmaceutical markets in Europe in 2015 and forecast 2022 (in billion euro) [Internet]. 2018 [Available from: <https://www.statista.com/statistics/815236/pharmaceutical-market-sales-europe/>].
101. Newsire CP. African Pharmaceuticals Market, Forecast to 2020 Assessing Market Potential with a Focus on Kenya and Nigeria 2018 [Available from: <https://www.prnewswire.com/news-releases/african-pharmaceuticals-market-forecast-to-2020-300389669.html>].
102. LLP GRI. Activist investors: More harm than good: Global Risk Insights LLP; 2017 [Available from: <https://globalriskinsights.com/2017/08/activist-investors-harm-good/>].
103. Zaitchik A. How Big Pharma Was Captured by the One Percent. The New Republic 2020 Jun 28.
104. Wouters OJ. Lobbying Expenditures and Campaign Contributions by the Pharmaceutical and Health Product Industry in the United States, 1999-2018. JAMA internal medicine. 2020;180(5):688-97.
105. Branning G, Vater M. Healthcare Spending: Plenty of Blame to Go Around. Am Health Drug Benefits. 2016;9(8):445-7.
106. Facher L. Pharma is showering Congress with cash, even as drug makers race to fight the coronavirus. Stat 2020 Aug. 10.
107. Europe CaH. Divide & Conquer: A look behind the scenes of the EU pharmaceutical industry lobby. Brussels. Belgium: Corporate Europe Observatory (CEO) and Health Action International (HAI) Europe; 2012 Mar.
108. Day M. Drug firms may be spending as much as €91m a year on lobbying in Europe. BMJ. 2012;344:e2465.
109. Hirschler B. GSK and Google parent forge \$715 million bioelectronic medicines firm. Reuters. 2016 Aug. 01.
110. Kricka LJ. Microchips, microarrays, biochips and nanochips: personal laboratories for the 21st century. Clin Chim Acta. 2001;307(1-2):219-23.
111. Merck. Our history [Internet]. Darmstadt, Germany: Merck 2020 [Available from: <https://www.merck.com/company-overview/history/>].
112. authors W. Merck Group. Wiki. Online: Wikimedia Foundation; 2020.
113. Lex O. Merck KGaA: chemical weapon. Financial Times. 2013 Dec 13.
114. Oladimeji O, Kennedy S, Oladimeji O. Dual Use Research of Concern: Perspective of Clinicians from a Training Viewpoint 2019. 126 p.
115. Gunther Latsch FSaKW. Decades of Suspicion Did German Companies Aid Syrian Chemical Weapons Program? Spiegel Online.
116. Raman R. The impact of Genetically Modified (GM) crops in modern agriculture: A review. GM crops & food. 2017;8(4):195-208.
117. Rajendram R. Sepsis kills, antimicrobial resistance is real. 2015;350.
118. WHO. WHO publishes list of bacteria for which new antibiotics are urgently needed [Internet]. 2018 [updated 2017 Feb 27. Available from: <http://www.who.int/news-room/detail/27-02-2017-who-publishes-list-of-bacteria-for-which-new-antibiotics-are-urgently-needed>].
119. Liese B, Rosenberg M, Schratz A. Programmes, partnerships, and governance for elimination and control of neglected tropical diseases. Lancet. 2010;375(9708):67-76.
120. WHO. Antimicrobial resistance 2019 [Available from: <https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance>].
121. Hussain M, Galvin HD, Haw TY, Nutsford AN, Husain M. Drug resistance in influenza A virus: the epidemiology and management. Infection and drug resistance. 2017;10:121-34.

122. WHO. Responding to antimalarial drug resistance 2018 April 20 [Available from: [https://www.who.int/malaria/areas/drug\\_resistance/overview/en/](https://www.who.int/malaria/areas/drug_resistance/overview/en/)].
123. Ochomo E, Chahilu M, Cook J, Kinyari T, Bayoh NM, West P, et al. Insecticide-Treated Nets and Protection against Insecticide-Resistant Malaria Vectors in Western Kenya. *Emerging infectious diseases*. 2017;23(5):758-64.
124. WHO. Drug-resistant tuberculosis 2019 [
125. Bloom BRea. Tuberculosis. In: Holmes KKea, editor. *Major Infectious Diseases*. Washington DC, US: The International Bank for Reconstruction and Development / The World Bank; 2017.
126. <https://www.who.int/hiv/topics/drugresistance/en/>. HIV drug resistance 2019 [Available from: <https://www.who.int/hiv/topics/drugresistance/en/>].
127. 2018. Noncommunicable diseases [Interent ]. Online: WHO; WHO [updated 2018 June 1. Available from: <http://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases>.
128. Stewart F. Root causes of violent conflict in developing countries. *BMJ (Clinical research ed)*. 2002;324(7333):342-5.
129. Kassa MD, Grace JM. Race against death or starvation? COVID-19 and its impact on African populations. *Public Health Reviews*. 2020;41(1):30.
130. Mustasilta K. From Bad to Worse? The Impact(s) of Covid-19 on Conflict Dynamics [Internet]. 2020 [updated 11 June 2020. Available from: <https://www.iss.europa.eu/content/bad-worse-impacts-covid-19-conflict-dynamics>.
131. Resnick S, Smith RN, Beard JH, Holena D, Reilly PM, Schwab CW, et al. Firearm Deaths in America: Can We Learn From 462,000 Lives Lost? *Ann Surg*. 2017;266(3):432-40.
132. Winfield RD, Crandall M, Williams BH, Sakran JV, Shorr K, Zakrison TL. Firearm violence in the USA: a frank discussion on an American public health crisis-The Kansas City Firearm Violence Symposium. *Trauma Surg Acute Care Open*. 2019;4(1):e000359.
133. Clayton LBaA. US saw estimated 4,000 extra murders in 2020 amid surge in daily gun violence. *The Guardian*. 2021 Mar.
134. Ponciano J. 10.9 Million Americans Are Still Unemployed—Rate Ticks Down To 6.7%, But Job Market Could Take Years To Recover. *Forbes*. 2020 Dec 04.
135. Dunphy L. Filming of gardaí poses 'threat to their safety'. *Irish Examiner* 2021 Apr 27.
136. Desk N. France police security bill: Protests turn violent again London, UK: BBC Global News Ltd; 2021 Dec 05 [Available from: <https://www.bbc.com/news/world-europe-55201993>].
137. Walker P. Bill that curtails ability to protest in England and Wales passes second reading. *The Guardian*. 2021.
138. Gov.UK. Biometrics Commissioner statement on the Coronavirus Act and the Protection of Freedoms Act London, UK: Biometrics Commissioner; 2020 Sep 07 [Available from: <https://www.gov.uk/government/news/biometrics-commissioner-statement-on-the-coronavirus-act-and-the-protection-of-freedoms-act>].
139. Manal Cheema AD. Prosecuting Purposeful Coronavirus Exposure as Terrorism Washington, DC, US: The Lawfare Institute 2020 Mar 31 [Available from: <https://www.lawfareblog.com/prosecuting-purposeful-coronavirus-exposure-terrorism>].
140. News U. COVID-19 worsening food insecurity, driving displacement, warn UN agencies [Ineternet ]. 2020 [updated 10 November 2020. Available from: <https://news.un.org/en/story/2020/11/1077272>].
141. IOM. World Migration Report. Geneva, Switzerland: The International Organization for Migration; 202.
142. News U. 270 million people are migrants, who send home a staggering \$689 billion [Internet ]. United Nations; 2020 [updated 27 November 2019. Available from: <https://news.un.org/en/story/2019/11/1052331>].
143. Tom Arnold AS. Migrant wages sent home set to drop \$142 billion in 2020: World Bank [Internet ]. Online: Reuters; 2020 [updated 22 AVRIL 2020. Available from: <https://fr.reuters.com/article/us-health-coronavirus-emerging-idUSKCN2241Y7>].

144. Oxfam. 12,000 people could die each day from hunger linked to COVID-19 [Internet]. Oxford2020 Jul 16 [Available from: <https://www.oxfamamerica.org/explore/stories/12000-people-could-die-each-day-hunger-linked-covid-19/>].
145. Millar BSaR. Starved out of Australia: The workers without money or food. The Sydney Morning Herald. 2020.
146. Martelli S. Hunger spikes, demand rises for US food banks [Internet]. Washington DC: BBC News; 2020 Dec 15 [Available from: <https://www.bbc.com/news/world-us-canada-55307722>].
147. Desk SN. COVID-19: Eleven people dying from hunger a minute as pandemic fuels starvation crisis, warns Oxfam London, United Kingdom: Sky News; 2021 Jul 09 [Available from: <https://news.sky.com/story/covid-19-eleven-people-dying-from-hunger-a-minute-as-pandemic-fuels-starvation-crisis-warns-oxfam-12352071>].
148. Hodal K. World Bank 'missed vital opportunities' to support Covid response, says Oxfam. The Guardian 2020 Fri 4 Dec 2020 05.59 GMT.
149. McVeigh K. World Bank's \$500m pandemic scheme accused of 'waiting for people to die'. The Guardian 2020 Fri 28 Feb 2020 08.44 GMT.
150. OWID. Excess mortality during the Coronavirus pandemic (COVID-19) University of Oxford, UK Our World in Data () 2021 [Available from: <https://ourworldindata.org/excess-mortality-covid>].
151. Lauren M. Rossen et al. Excess Deaths Associated with COVID-19, by Age and Race and Ethnicity — United States, January 26–October 3, 2020 Atlanta, Georgia, United States: CDC; 2021 [Available from: <https://www.cdc.gov/mmwr/volumes/69/wr/mm6942e2.htm>].
152. ONS. Estimating the impacts of coronavirus on England's mortality and morbidity [Internet]. Office for National Statistics (ONS); 2020 [updated 7 August 2020. Available from: <https://www.ons.gov.uk/news/statementsandletters/estimatingtheimpactsofcoronavirusonenglandsmortalityandmorbidity>].
153. Fiorillo A, Sampogna G, Giallonardo V, Del Vecchio V, Luciano M, Albert U, et al. Effects of the lockdown on the mental health of the general population during the COVID-19 pandemic in Italy: Results from the COMET collaborative network. Eur Psychiatry. 2020;63(1):e87-e.
154. IASP. International Covid-19 Suicide Prevention Research Collaboration. : International COVID-19 Suicide Prevention Research Collaboration; 2020 [Available from: [https://www.iasp.info/COVID-19\\_suicide\\_research.php](https://www.iasp.info/COVID-19_suicide_research.php)].
155. Ailes BE. Covid ended our marriage': The couples who split in the pandemic [Interent]. BBC Global News Ltd; 2020 [Available from: <https://www.bbc.com/news/world-55146909>].
156. Griffin N. Fears of 'cancer epidemic' as 1m cases go undiagnosed in Europe due to pandemic. Irish Examiner. 2021 May 10.
157. Cullen P. Up to 2,000 cancers may be 'lost' because of Covid disruption Dublin, Ireland: Irish Times Trust; 2020 Nov 26 [Available from: <https://www.irishtimes.com/news/health/up-to-2-000-cancers-may-be-lost-because-of-covid-disruption-1.4420581>].
158. Organisation TEC. Time To Act: 1 million undiagnosed cancer cases demand it. Brussels, Belgium: The European CanCer Organisation (ECCO); 2021.
159. Robertson T, Carter ED, Chou VB, Stegmuller AR, Jackson BD, Tam Y, et al. Early estimates of the indirect effects of the COVID-19 pandemic on maternal and child mortality in low-income and middle-income countries: a modelling study. The Lancet Global Health. 2020;8(7):e901-e8.
160. Chmielewska B, Barratt I, Townsend R, Kalafat E, van der Meulen J, Gurol-Urganci I, et al. Effects of the COVID-19 pandemic on maternal and perinatal outcomes: a systematic review and meta-analysis. Lancet Glob Health. 2021.
161. Lawn JE, Yakoob MY, Haws RA, Soomro T, Darmstadt GL, Bhutta ZA. 3.2 million stillbirths: epidemiology and overview of the evidence review. BMC Pregnancy Childbirth. 2009;9 Suppl 1(Suppl 1):S2.
162. UNICEF. Maternal mortality New York, New York, United States: UNICEF; 2021 [Available from: <https://data.unicef.org/topic/maternal-health/maternal->



[mortality/#:~:text=From%202000%20to%202017%2C%20the,reduction%20of%202.9%20per%20cent.](#)

163. Heavey L, Casey G, Kelly C, Kelly D, McDarby G. No evidence of secondary transmission of COVID-19 from children attending school in Ireland, 2020. *Euro surveillance : bulletin European sur les maladies transmissibles = European communicable disease bulletin*. 2020;25(21):2000903.
164. Cousins S. 2.5 million more child marriages due to COVID-19 pandemic. *The Lancet*. 2020;396(10257):1059.
165. Gandhi. "The enemy is fear. We think it is hate; but it is really fear." San Francisco, California, US: Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/1214114-the-enemy-is-fear-we-think-it-is-hate-but>].
166. Jackson J, Gray E. Functional Fear and Public Insecurities About Crime. *The British Journal of Criminology*. 2009;50(1):1-22.
167. Aich TK. Buddha philosophy and western psychology. *Indian J Psychiatry*. 2013;55(Suppl 2):S165-70.
168. Harper CA, Satchell LP, Fido D, Latzman RD. Functional Fear Predicts Public Health Compliance in the COVID-19 Pandemic. *Int J Ment Health Addict*. 2020:1-14.
169. Krpan D, Makki F, Saleh N, Brink SI, Klauznicer HV. When behavioural science can make a difference in times of COVID-19: *Behav Public Policy*. 2020 Sep 1:1-27. doi: 10.1017/bpp.2020.48.
170. Collins. Glasgow, UK: HarperCollins; 2021. Project Fear.
171. Stephens KMaS. The Use of Fear Appeals to Communicate Public Health Messages. *Irish Business Journal*. 2013;8(6).
172. Commission EaHR. Article 5: Right to liberty and security Geneva, Switzerland: Equality and Human Rights Commission; 2021 [Available from: <https://www.equalityhumanrights.com/en/human-rights-act/article-5-right-liberty-and-security>].
173. Tolbert NSJKFaJ. COVID-19 Vaccination and Parental Consent. 2021 May 26.
174. YouTube. Alan Dershowitz Says Mandatory, FORCED Vaccines For Everyone! Online: YouTube; 2020 May 18.
175. Galva JE, Atchison C, Levey S. Public health strategy and the police powers of the state. *Public health reports (Washington, DC : 1974)*. 2005;120 Suppl 1(Suppl 1):20-7.
176. Nowak G. Increasing Awareness and Uptake of Influenza Vaccine Getting Ready for 2004-2005: Lessons (Re-) Learned [Including the Seven-Step Recipe for Generating Interest in, and Demand for, Flu (or any other) Vaccination]: CDC; 2004.
177. Soames Job RF. Effective and ineffective use of fear in health promotion campaigns. *American journal of public health*. 1988;78(2):163-7.
178. O'Loughlin AMaC. 'People who lost loved ones to Covid need to contact their TDs' says Dr Scally as he urges politicians to adopt all-island approach. *Irish Independent*. 2021 Jan 27.
179. Desk N. British health secretary Sajid Javid tests Covid positive just weeks into job. *Irish Times*. 2021.
180. Kavanagh G. "Look for ways to increase insecurity, anxiety and uncertainty" – Zero Covid document Dublin, Ireland: GRIPT 2021 Feb 23 [Available from: <https://gript.ie/look-for-ways-to-increase-insecurity-anxiety-and-uncertainty-zero-covid-document/>].
181. Harper CA, Satchell LP, Fido D, Latzman RD. Functional Fear Predicts Public Health Compliance in the COVID-19 Pandemic. *Int J Ment Health Addict*. 2020:1-14.
182. Hoof DEV. Lockdown is the world's biggest psychological experiment - and we will pay the price Cologny, Geneva Canton, Switzerland: WEF 2020 [Available from: <https://www.weforum.org/agenda/2020/04/this-is-the-psychological-side-of-the-covid-19-pandemic-that-were-ignoring/>].
183. Brooks SK, Webster RK, Smith LE, Woodland L, Wessely S, Greenberg N, et al. The psychological impact of quarantine and how to reduce it: rapid review of the evidence. *The Lancet*. 2020;395(10227):912-20.

184. Smith CM, Komisar JR, Mourad A, Kincaid BR. COVID-19-associated brief psychotic disorder. *BMJ Case Reports*. 2020;13(8):e236940.
185. Chacko M, Job A, Caston F, 3rd, George P, Yacoub A, Cáceda R. COVID-19-Induced Psychosis and Suicidal Behavior: Case Report. *SN Compr Clin Med*. 2020:1-5.
186. Ferrando SJ, Klepacz L, Lynch S, Tavakkoli M, Dornbush R, Baharani R, et al. COVID-19 Psychosis: A Potential New Neuropsychiatric Condition Triggered by Novel Coronavirus Infection and the Inflammatory Response? *Psychosomatics*. 2020;61(5):551-5.
187. Peretti-Watel P SV, Cortaredona S, Launay O, Raude J, Verger P, et al. . Attitudes about COVID-19 lockdown among general population, France. *Emerg Infect Dis*. 2020 March;27.
188. Bowers S. 'His mobility is non-existent': Mother describes son's fight against Covid-linked PIMS. *Irish Times* 2021.
189. Ahmed M, Advani S, Moreira A, Zoretic S, Martinez J, Chorath K, et al. Multisystem inflammatory syndrome in children: A systematic review. *EClinicalMedicine*. 2020;26.
190. Ludvigsson JF, Engerström L, Nordenhäll C, Larsson E. Open Schools, Covid-19, and Child and Teacher Morbidity in Sweden. *New England Journal of Medicine*. 2021;384(7):669-71.
191. Gibbons K. Children face two-in-a-million Covid death risk, study finds. *The Times*. 2021 Jul 09.
192. Director-General W. WHO Director-General's opening remarks at the media briefing on COVID-19 - 12 October 2020 Geneva, Switzerland: WHO; 2020 Oct [Available from: <https://www.who.int/director-general/speeches/detail/who-director-general-s-opening-remarks-at-the-media-briefing-on-covid-19---12-october-2020>].
193. Valdez AR, Hancock EE, Adebayo S, Kiernicki DJ, Proskauer D, Attewell JR, et al. Estimating Prevalence, Demographics, and Costs of ME/CFS Using Large Scale Medical Claims Data and Machine Learning. *Front Pediatr*. 2018;6:412.
194. UK O. The prevalence of long COVID symptoms and COVID-19 complications Newport, Wales: ONS; [Available from: <https://www.ons.gov.uk/news/statementsandletters/theprevalenceoflongcovidssymptomsandcovid19complications>].
195. Grover N. Long Covid in children: New data is cause for concern, scientists say. *Irish Times*. 2021 Mar 03.
196. McAlonan GM, Lee AM, Cheung V, Cheung C, Tsang KW, Sham PC, et al. Immediate and Sustained Psychological Impact of an Emerging Infectious Disease Outbreak on Health Care Workers. *The Canadian Journal of Psychiatry*. 2007;52(4):241-7.
197. Hunnicutt T. Biden says he'll publicly get a COVID-19 vaccine, keep Fauci Toronto, Canada: Thomsons Reuters; 2020 Dec 03 [Available from: <https://www.reuters.com/article/usa-biden/biden-pledges-to-publicly-get-a-covid-19-vaccine-and-retain-fauci-idUSKBN28D2J3>].
198. Desk BN. Obama, Bush and Clinton pledge to film themselves getting Covid vaccine London, United Kingdom: BBC Global News Ltd; 2020 Dec 03 [Available from: <https://www.bbc.com/news/world-us-canada-55177741>].
199. Brookbanks A. Katie Price's disabled son Harvey rushed to hospital after 'extremely dangerous' reaction to Covid vaccine. *The Irish Sun*. 2021 Feb 06.
200. Bowman M. 'Proud' Aaron receives COVID-19 vaccine Englewood Cliffs, New Jersey, United States: NBCUniversal News Group; 2021 Jan 06 [Available from: <https://www.cnn.com/2021/01/22/hank-aaron-legendary-baseball-player-dies-at-age-86.html>].
201. Golden CNaJ. Hank Aaron, legendary baseball slugger, dies at age 86 Englewood Cliffs, New Jersey, United States: NBCUniversal News Group; 2020 Jan 22 [Available from: <https://www.cnn.com/2021/01/22/hank-aaron-legendary-baseball-player-dies-at-age-86.html>].
202. Page K. The four principles: Can they be measured and do they predict ethical decision making? *BMC Medical Ethics*. 2012;13(1):10.
203. Savulescu J. Good reasons to vaccinate: mandatory or payment for risk? *Journal of Medical Ethics*. 2020:medethics-2020-106821.

204. Savulescu J. Good reasons to vaccinate: mandatory or payment for risk? *Journal of Medical Ethics*. 2021;47(2):78-85.
205. Largent EA, Lynch HF. Paying Participants in COVID-19 Trials. *The Journal of infectious diseases*. 2020;222(3):356-61.
206. Rahman MA, Hoque N, Alif SM, Salehin M, Islam SMS, Banik B, et al. Factors associated with psychological distress, fear and coping strategies during the COVID-19 pandemic in Australia. *Globalization and Health*. 2020;16(1):95.
207. Hughes L. Financial coercion to be classified as domestic abuse. *Financial Times* 2019 Jan. 21.
208. Authors W. Coercion. Wikipedia. San Francisco, California, United States: Wikimedia Foundation; 2021.
209. Jamrozik E, Selgelid MJ. COVID-19 human challenge studies: ethical issues. *The Lancet Infectious Diseases*. 2020;20(8):e198-e203.
210. Grover N. WHO looks at giving Covid-19 to healthy people to speed up vaccine trials London, United Kingdom: Guardian Media Group; 2020 Dec 07 [Available from: <https://www.theguardian.com/world/2020/dec/07/who-looks-at-giving-covid-to-healthy-people-to-speed-up-vaccine-trials>].
211. McPartlin SON, Morrison J, Rohrig A, Weijer C. Covid-19 vaccines: Should we allow human challenge studies to infect healthy volunteers with SARS-CoV-2? *BMJ*. 2020;371:m4258.
212. Mullin G. VIRAL LOAD Volunteers to be infected with coronavirus for £3,500 in bid to find vaccine. *The Sun* 2020 Mar 09.
213. Blumenthal-Barby J, Ubel P. Payment of COVID-19 challenge trials: underpayment is a bigger worry than overpayment. *Journal of Medical Ethics*. 2020:medethics-2020-106901.
214. Konish L. Would you be willing to get a Covid vaccine in exchange for a \$1,500 stimulus check? How one bold proposal would work Englewood Cliffs, New Jersey, United States: NBCUniversal News Group; 2020 Dec 04 [Available from: <https://www.cnbc.com/2020/12/03/1500-stimulus-checks-for-covid-19-shots-how-one-plan-would-work.html>].
215. Belsher JL, Gay P, Brinton M, DellaValla J, Ridenour R, Lanciotti R, et al. Fatal multiorgan failure due to yellow fever vaccine-associated viscerotropic disease. *Vaccine*. 2007;25(50):8480-5.
216. Wilson K, Atkinson KM, Bell CP. Travel Vaccines Enter the Digital Age: Creating a Virtual Immunization Record. *Am J Trop Med Hyg*. 2016;94(3):485-8.
217. CDC. Interim Clinical Considerations for Use of mRNA COVID-19 Vaccines Currently Authorized in the United States Atlanta, Georgia, United States: U.S. Department of Health & Human Services; 2021 [Available from: <https://www.cdc.gov/vaccines/covid-19/info-by-product/clinical-considerations.html>].
218. Bleier BS, Ramanathan M, Jr., Lane AP. COVID-19 Vaccines May Not Prevent Nasal SARS-CoV-2 Infection and Asymptomatic Transmission. *Otolaryngol Head Neck Surg*. 2021;164(2):305-7.
219. Greve JE. CDC says fully vaccinated Americans can gather indoors without masks. *The Guardian*. 2021 mar 08.
220. Europe Co. Covid-19 vaccines: ethical, legal and practical considerations Brussels, Belgium: The Parliamentary Assembly of the Council of Europe; 2021 Jan 27 [Available from: [https://pace.coe.int/en/files/29004/html?fbclid=IwAR37TW7KV86ZQCYiI3mbogUsxHCtyP4aAJLIVK64\\_oCv1xSipzXmLLuMvA](https://pace.coe.int/en/files/29004/html?fbclid=IwAR37TW7KV86ZQCYiI3mbogUsxHCtyP4aAJLIVK64_oCv1xSipzXmLLuMvA)].
221. Desk TLEN. Spain's Galicia to make Covid vaccine compulsory and fine those who refuse it up to €60K Stockholm, Sweden: The Local; 2021 Feb 23 [Available from: <https://www.thelocal.es/20210223/spains-galicia-to-make-covid-vaccine-compulsory-and-fine-those-who-refuse-it-up-to-60k>].
222. (IAPP) IAOPP. Linking COVID-19 vaccinations, biometric identifiers could lead to privacy issues Online: IAPP 2020 [Available from: <https://iapp.org/news/a/linking-covid-19-vaccinations-biometric-identifiers-could-lead-to-privacy-issues/>].

223. Thompson H. France debates new bill on vaccination 'health passports' [Internet]. Monaco: English Language Media; 2020 Dec. 23 [Available from: <https://www.connexionfrance.com/French-news/France-debates-new-bill-on-controversial-vaccination-health-passports>].
224. Henley J. France reports rush for vaccines after Macron tightens Covid rules. The Guardian 2021 Jul 13.
225. O'Regan PRaE. People with vaccine certificates to face fewer restrictions on life. Irish Independent. 2021 Dec 16.
226. L4LM. Ticketmaster is reportedly developing a framework for event organizers to require and verify negative tests and/or vaccine status for ticket-holders [Internet]. 2020 [updated Tuesday, December 8th, 2020. Available from: <https://liveforlivemusic.com/news/covid-19-concert-cancellation-tracking/>].
227. Morre A. Covid compliance officers will check pubs Cork, Ireland: Irish Times Group; 2021 [Available from: <https://www.irishexaminer.com/news/arid-40335839.html>].
228. desk N. Brazil's supreme court rules Covid-19 vaccination can be made mandatory. Journalie. 2020.
229. Staff R. Brazil will not exempt COVID-19 vaccine makers from liability, deputy minister says Canary Wharf, London, United Kingdom: Thomson Reuters; 2020 Nov 19 [Available from: <https://www.reuters.com/article/us-health-coronavirus-brazil-vaccines-idUSKBN27Z3A4?edition-redirect=uk>].
230. Katharine Murphy PKaMR. Covid crisis: Australians trying to return home from India face up to \$66,000 fine or five years' jail. The Guardian 2021 May 01.
231. Staff T. Thousands reportedly attempt to obtain easily forged vaccinated certificate. The Times of Israel. 2021 Feb 18.
232. Staff R. Israel offers incoming travelers alternative to quarantine hotel: tracking bracelet Canary Wharf, London, United Kingdom: Thomson Reuters; 2021 Mar 01 [Available from: <https://news.trust.org/item/20210301182114-g6beq>].
233. Desk N. Israel Covid rate down 96% among those who received both Pfizer shots Dublin, Ireland: The Irish Times Trust; 2021 Feb 20 [Available from: <https://www.irishtimes.com/news/world/israel-covid-rate-down-96-among-those-who-received-both-pfizer-shots-1.4490771>].
234. Staff T. Vaccine prevents 98.9% of COVID deaths, Israel's Health Ministry data shows. The Times of Israel. 2021 Feb 20.
235. Clark A. Deaths in over-80s plummet as data suggests vaccines are working. The Telegraph. 2021 Feb 18.
236. Team WW. Israel: Over 12,000 people test positive for COVID-19 after receiving Pfizer vaccine [Internet]. Jerusalem, Israel: Essel Group; 2021 Jan 21 [Available from: <https://www.wionews.com/world/israel-over-12000-people-test-positive-for-covid-19-after-receiving-pfizer-vaccine-358242>].
237. Edgecliffe-Johnson A. US companies warned against mandatory vaccine for staff. Financial Times 2020 Dec 22.
238. Reiss DR. Under an EUA, Can Businesses Require Employees and Customers to Get Vaccinated? Harvard, Cambridge, Massachusetts: Petrie-Flom Center at Harvard Law School 2020 Nov. 30 [Available from: <https://blog.petrieflom.law.harvard.edu/2020/11/30/covid-vaccine-eua-mandate-business/>].
239. Ronan McGreevy MH. Healthcare workers who refuse vaccination can be removed, says HSE chief. Irish Times. 2021 Feb 11.
240. Paterson P, Meurice F, Stanberry LR, Glismann S, Rosenthal SL, Larson HJ. Vaccine hesitancy and healthcare providers. Vaccine. 2016;34(52):6700-6.
241. To KW, Lai A, Lee KC, Koh D, Lee SS. Increasing the coverage of influenza vaccination in healthcare workers: review of challenges and solutions. The Journal of hospital infection. 2016;94(2):133-42.

242. Maltezou HC, Poland GA. Vaccination policies for healthcare workers in Europe. *Vaccine*. 2014;32(38):4876-80.
243. WHO. Interim position paper: considerations regarding proof of COVID-19 vaccination for international travellers Geneva, Switzerland: WHO; 2021 [Available from: <https://www.who.int/news-room/articles-detail/interim-position-paper-considerations-regarding-proof-of-covid-19-vaccination-for-international-travellers>].
244. Laurence Frost JW. The head of a global travel organisation on Monday opposed making COVID-19 vaccinations a requirement for travellers in the fight against the pandemic, : Thomson Reuters; 2021 Jan. 11 [Available from: <https://www.reuters.com/article/us-health-coronavirus-global-vaccines/travel-body-rejects-compulsory-covid-19-shots-experts-say-herd-immunity-distant-idUSKBN29G0TY#>].
245. Benjamin Mason Meier RHaYTY. Travel restrictions violate international law. *AAAS Science*. 2021.
246. Kelleher SR. Why Vaccine Passports Are 'Inevitable,' Explained By Tony Blair. *Forbes*. 2021.
247. Lovell T. British tech firm launches 'fit to fly' digital health passport for air travel [Internet]. Cambridge, MA, USA: HIMSS Media; 2020 [updated December 15, 2020 08:55 am. Available from: <https://www.mobihealthnews.com/news/emea/british-tech-firm-launches-fit-fly-digital-health-passport-air-travel>].
248. Mageit S. UK tech company launches global COVID and vaccination passport Chicago, Illinois, United States: Healthcare Information and Management Systems Society (HIMSS) Media; 2021 Jan 27 [Available from: <https://www.healthcareitnews.com/news/emea/uk-tech-company-launches-global-covid-and-vaccination-passport>].
249. Baratti L. IATA Announces Creation of Digital COVID-19 Travel Pass Westampton, NJ TravelPulse; 2020 Nov 23 [Available from: <https://www.travelpulse.com/news/airlines/iata-announces-creation-of-digital-covid-19-travel-pass.html>].
250. Brown RCH, Kelly D, Wilkinson D, Savulescu J. The scientific and ethical feasibility of immunity passports. *The Lancet Infectious Diseases*.
251. O'Sullivan K. Mandatory travel quarantine should be introduced by Ireland, experts urge. *The Irish Times*. 2021Jan. 21.
252. Winterburn T. Germany Builds Detention Centres to House 'COVID-Dissidents'. *Euro News Weekly*. 2021 Jan. 2021.
253. News B. Coronavirus France: Elderly woman fined for lockdown form error Portland Place, London,: BBC Global News Ltd; 2020 Dec 07 [Available from: <https://www.bbc.com/news/world-europe-55215371>].
254. News B. Coronavirus Italy: Man walks 450km after lockdown row with wife Portland Place, London: BBC Global News Ltd; 2020 [Available from: <https://www.bbc.com/news/world-europe-55224031>].
255. Yip W. China Covid: Infected woman defends herself after public shaming [Internet]. Westminster, London: BBC New; 2020 Dec 12 [Available from: <https://www.bbc.com/news/world-asia-55270999>].
256. Monticello. When government fears the people, there is liberty... (Spurious Quotation) [Internet ]. Charlottesville, VA Monticello and the Thomas Jefferson Foundation; 2020 [Available from: <https://www.monticello.org/site/research-and-collections/spurious-quotations>].
257. desk Bn. Covid rule-breakers 'have blood on their hands' London, United Kingdom: BBC News Online 2020 Dec. 31 [Available from: <https://www.bbc.com/news/uk-55479018>].
258. Money R-GLLaL. Children apologize to their dying elders for spreading COVID-19. *The LA Times* 2021 Jan. 12.
259. Together NC. UK charity apologises to 'upset' children for ad showing Santa Clause hospitalised with Covid-19. *Irish Independent*. 2020.
260. YouTube. The Bill Gates Microsoft "Magic Pass". In: TV S, editor.: YouTube; 2021.



261. Camilla Turner LD, Ben Riley-Smith and Lucy Fisher. Exclusive: Parents to test children for Covid twice a week. The Telegraph 2021 Feb 18.
262. Carolan M. Minister loses appeals over home-schooled Leaving Cert students. Irish Times 2021 Mar 09.
263. TillyFizz. Leaked document (1) from TUI (Teachers Union of Ireland) the biggest 2nd & 3rd level education union. Preliminary agenda reveals that nobody, teacher student or parent, will be able to enter a school without a Covid vaccine In: TillyFizz, editor.: Twitter; 2021.
264. Molony EORaS. Apply online: New high-tech system to track roll-out of new Covid vaccine in Ireland. Irish Independent. 2020 Dec 11.
265. Conor Lally SM. Gardaí receiving "conspiracy theory" calls to Covid breach hotline. Conor Lally, Stephen Maguire. 2021.
266. DCMJ. Joints for Jabs Washington, DC, United States: DCMJ; 2021 Jan 27 [Available from: <https://dcmj.org/joints-for-jabs-press-release/>].
267. desk N. New anti-fascist alliance to stand 'Le Chéile' against rise of far-right in Ireland. Journalie. 2021 Dec 03.
268. Arlow J. Antifa without fascism: the reasons behind the anti-fascist movement in Ireland. Irish Political Studies 2019 Jan 28;35(1).
269. Staff AR. Color of Coronavirus: COVID-19 deaths analyzed by race and ethnicity in the US Minnesota, US: APM Research Lab; 2021 Mar 05 [Available from: <https://www.apmresearchlab.org/covid/deaths-by-race>].
270. Chastain DB, Osae SP, Henao-Martínez AF, Franco-Paredes C, Chastain JS, Young HN. Racial Disproportionality in Covid Clinical Trials. N Engl J Med. 2020;383(9):e59.
271. Sadeque S. Palestinians are Suffering from Hunger, Poverty, Conflict & a Global Pandemic New York, United States United Nations Office for the Coordination of Humanitarian Affairs; 2021 Apr [Available from: <https://reliefweb.int/report/occupied-palestinian-territory/palestinians-are-suffering-hunger-poverty-conflict-global>].
272. Fawcett H. Gaza coronavirus lockdown makes things worse for its farmers Doha, Qatar: Al Jazeera Media Network; 2020 Apr 18 [Available from: <https://www.aljazeera.com/videos/2020/04/18/gaza-coronavirus-lockdown-makes-things-worse-for-its-farmers/?gb=true>].
273. Women U. COVID-19: Gendered Impacts of the Pandemic in Palestine and Implications for Policy and Programming. Palestine UN Women Palestine Office; 2021.
274. Ahmed AK. The Human Right to Vaccines: Preventing Discrimination Against the Unvaccinated. Health and Human Rights Journal. 2021 Feb 25.
275. Boxerman A. Senior PA health official: We're hesitant about using Russian vaccine. Time of Israel. 2021 Jan
276. Niemöller PM. They came first for the Communists London, UK: Holocaust Memorial Day Trust 2021 [
277. Smith PJ, Chu SY, Barker LE. Children who have received no vaccines: who are they and where do they live? Pediatrics. 2004;114(1):187-95.
278. Wellcome. Wellcome Global Monitor 2018 London, United Kingdom: Wellcome 2019 Jun 18 [Available from: <https://wellcome.org/reports/wellcome-global-monitor/2018>].
279. Butt KAaC. Sydney postcode has Australia's worst vaccination rate for five year old children: AIHW report. The Sydney Morning Herald. 2017 June 08.
280. Holland K. Better-off parents slower to vaccinate children. The Irish Times. 2019 Aug 27.
281. Miller JAaC. Thousands of Berkshire children not vaccinated as parents told vaccines work. Berkshire Live. 2019.
282. Williams O. These Are The U.K. Towns And Cities Where The Wealthiest Live. Forbes. 2019 Nov 09.

283. Yang YT, Delamater PL, Leslie TF, Mello MM. Sociodemographic Predictors of Vaccination Exemptions on the Basis of Personal Belief in California. *American Journal of Public Health*. 2015;106(1):172-7.
284. WHO. Ten threats to global health in 2019 2019 [Available from: <https://www.who.int/emergencies/ten-threats-to-global-health-in-2019>.
285. HPSC. Uptake of the Seasonal Influenza Vaccine in Acute Hospitals and Long Term Care Facilities in Ireland in 2017-2018. 2018.
286. England PH. Seasonal influenza vaccine uptake in healthcare workers (HCWs) in England: winter season 2017 to 2018. Wellington House London Influenza Surveillance Team, Vaccines and Countermeasures Service, National Infection Service, PHE; 2019.
287. Influenza Surveillance Team VaCS, National Infection Service, PHE. Seasonal influenza vaccine uptake in healthcare workers (HCWs) in England: winter season 2017 to 2018. London: Public Health England; 2018.
288. Kaufman J, Davis J, Krause V. Influenza immunisation of doctors at an Australian tertiary hospital: immunisation rate and factors contributing to uptake. *Communicable diseases intelligence quarterly report*. 2008;32(4):443-8.
289. Sandra A. Johnson et al. Influenza vaccination of Australian healthcare workers: strategies to achieve high uptake. *Australia and New Zealand Journal of Public Health*. 2017 Oct;41(5): 545-6.
290. Verger P, Fressard L, Collange F, Gautier A, Jestin C, Launay O, et al. Vaccine Hesitancy Among General Practitioners and Its Determinants During Controversies: A National Cross-sectional Survey in France. *EBioMedicine*. 2015;2(8):891-7.
291. Verger P, Collange F, Fressard L, Bocquier A, Gautier A, Pulcini C, et al. Prevalence and correlates of vaccine hesitancy among general practitioners: a cross-sectional telephone survey in France, April to July 2014. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*. 2016;21(47):30406.
292. Gust D, Weber D, Weintraub E, Kennedy A, Soud F, Burns A. Physicians who do and do not recommend children get all vaccinations. *Journal of health communication*. 2008;13(6):573-82.
293. Ali I IM, Rehman I, Rahim A, Ata H. Knowledge, Attitude, Awareness, and Barriers Toward Influenza Vaccination Among Medical Doctors at Tertiary Care Health Settings in Peshawar, Pakistan- A Cross-Sectional Study. *Front Public Health*. 2018 6.
294. Michael Martin VB. Vaccination practices among physicians and their children *Open Journal of Pediatrics*. 2012;2:228-35.
295. Lazarus JV, Ratzan SC, Palayew A, Gostin LO, Larson HJ, Rabin K, et al. A global survey of potential acceptance of a COVID-19 vaccine. *Nature Medicine*. 2020 Oct.
296. Times NY. Vaccine mandate unleashes a mob in a small Polish town Noida, India: Indian Express; 2021 May [Available from: <https://indianexpress.com/article/world/vaccine-mandate-unleashes-a-mob-in-a-small-polish-town-7335440/>].
297. Neumann-Böhme S, Varghese NE, Sabat I, Barros PP, Brouwer W, van Exel J, et al. Once we have it, will we use it? A European survey on willingness to be vaccinated against COVID-19. *The European Journal of Health Economics*. 2020;21(7):977-82.
298. Thompson H. Covid anti-vax sentiment rises above 50% in France. *Connexion*. 2021 Jan. 07.
299. Strauss M. Over a quarter of EU adults would refuse COVID-19 shot, survey says Canary Wharf, London, UK: Reuters; 2021 May 13 [Available from: <https://www.reuters.com/business/healthcare-pharmaceuticals/over-quarter-eu-adults-would-refuse-covid-19-shot-survey-says-2021-05-13/>].
300. Scally D. German Covid vaccine rollout gathers pace and prompts ethical debate. *The Irish Times*. 2021 Jan . 12.
301. Grech V, Bonnici J, Zammit D. Vaccine hesitancy in Maltese family physicians and their trainees vis-à-vis influenza and novel COVID-19 vaccination. *Early Hum Dev*. 2020:105259.
302. Limited B. Netherlands: 87,000 nurses refuse experimental Covid vaccine. *BitChute* 2020.

303. Erika Solomon KS, Leila Abboud and Davide Ghiglione. Vaccine scepticism among medics sparks alarm in Europe and US. Irish Times. 2021 Jan 07.
304. Day M. Covid-19: Italian doctors are disciplined for anti-vaccination propaganda. BMJ. 2020;371:m4962.
305. Brunk D. One Third of Healthcare Workers Leery of Getting COVID Vaccine, Survey Shows New York, New York, United States: Medscape; 2021 Feb 01 [Available from: <https://www.medscape.com/viewarticle/945055>].
306. Terry K. Nearly Half of Frontline Healthcare Workers Not Vaccinated: Survey New York, New York, US: Medscape 2021 Mar 19 [Available from: <https://www.medscape.com/viewarticle/947813>].
307. Roy B, Kumar V, Venkatesh A. Health Care Workers' Reluctance to Take the Covid-19 Vaccine: A Consumer-Marketing Approach to Identifying and Overcoming Hesitancy. NEJM Catal Innov Care Deliv. 2020;10.1056/CAT.20.0676.
308. Beer T. Large Numbers Of Health Care And Frontline Workers Are Refusing Covid-19 Vaccine. Forbes 2021 Jan. 02.
309. Wernau J. Some Health-Care Workers Are Still Saying No to a Covid-19 Vaccine. Wall Street Journal. 2021 Jan 31.
310. Kabamba Nzaji M, Kabamba Ngombe L, Ngoie Mwamba G, Banza Ndala DB, Mbidi Miema J, Luhata Lungoyo C, et al. Acceptability of Vaccination Against COVID-19 Among Healthcare Workers in the Democratic Republic of the Congo. Pragmat Obs Res. 2020;11:103-9.
311. Efrati I. A vaccine for coronavirus? A large number of Israeli doctors will refuse to get it Israel News 2020 Aug 17.
312. Hart R. Fauci Says Military Who Refuse Covid-19 Vaccine Are 'Part Of The Problem' After High Rate Of Service Members Refuse Jab. Forbes. 2021 Mar 05.
313. Elbeshbishi S. Nearly 40% of Marines decline COVID-19 vaccine, prompting some Democrats to urge Biden to set mandate for military McLean, Virginia, US: USA Today Gannett; 2021 [Available from: <https://eu.usatoday.com/story/news/politics/2021/04/10/covid-vaccine-nearly-forty-percent-us-marines-decline/7173918002/>].
314. Dooling K. Phased Allocation of COVID-19 Vaccines. Atlanta, Georgia, United States: CDC ACIP COVID-19 Vaccines Work Group; 2020 Nov. 23, .
315. Lynch S. US vaccination rollout is stalling due to dwindling demand. The Irish Times. 2021 May 07.
316. Leah Willingham HHaMRS. US drop in vaccine demand has some places turning down doses New York, New York, US: The Associated Press (AP) 2021 Apr 23 [Available from: <https://apnews.com/article/nm-state-wire-health-coronavirus-government-and-politics-108f1fd0813f0d2ecec1589fd137625d>].
317. Merrifield R. Vaccine centre closes early 3 days running after not enough people come forward. Daily Mail. 2021 Feb 09.
318. Standaert M. China risks COVID 'immunity gap' amid slow vaccine uptake Doha, Qatar: Al Jazeera Media Network; 2021 Mar 11 [Available from: <https://www.aljazeera.com/news/2021/3/11/china-risks-covid-immunity-gap-amid-slow-vaccine-uptake>].
319. Keating S. Olympics: Some athletes will resist COVID-19 vaccination, says USOPC medical chief Ontario, Canada: Thomson Reuters; 2021 [Available from: <https://www.reuters.com/article/health-coronavirus-olympics-vaccines-int-idUSKBN29V2ME>].
320. Whorton D. To vaccinate or not to vaccinate: That's a question for U.S. athletes going to Tokyo. Los Angeles Times. 2021 Apr. 15.
321. Desk N. he PGA Tour is telling its players they will not have to be tested for the coronavirus if they are vaccinated ViacomCBS: New York, New York, United States; 2021 Apr 20 [Available from: <https://www.cbsnews.com/news/pga-tour-golf-covid-19-test-vaccine/>].

322. Valencich G. 'Several players' reject flu shot as NRL enters battle with anti-vaxxers Sydney, Australia: 7NEWS; 2021 May 05 [Available from: <https://7news.com.au/sport/rugby-league/several-players-reject-flu-shot-as-nrl-battles-group-of-anti-vaxxers-c-1018418>].
323. Beaton BCaA. The One Shot NBA Players Might Not Take: The Covid Vaccine. WSJ. 2021 Feb 22.
324. Desk N. Covid: Tennis bodies urge hesitant players to get vaccine. 2021 Apr 01.
325. Sternlicht A. Lewis Hamilton Slammed On Social Media For Sharing Anti-Vaxx Video. Forbes. 2020 Jul 27.
326. Desk N. Vettel: I'll get vaccinated when it's my turn Vettel refuses COVID19 vaccine, for good reason Leeds, UK: Planet Sport Publishing's Network; 2021 Apr 18 [Available from: <https://www.planetf1.com/news/sebastian-vettel-covid-19-vaccine/>].
327. Desk N. Wolff says why he refused Bahrain vaccination Leeds, England: Planet Sport Publishing's Network; 2021 Mar 22 [Available from: <https://www.planetf1.com/news/toto-wolff-bahrain-vaccination/>].
328. CDC. Seasonal Influenza Vaccine Effectiveness, 2005-2018 [Internet]. 2018 [updated 2018 Feb 15. Available from: <https://www.cdc.gov/flu/professionals/vaccination/effectiveness-studies.htm>].
329. Marc Rondy EK, Hanne-Dorthe Emborg, Alin Gherasim, Richard Pebody, Ramona Trebbien, Francisco Pozo et al. Interim 2017/18 influenza seasonal vaccine effectiveness: combined results from five European studies. Eurosurveillance. 2018 Mar 01;Volume 23(9).
330. Ortqvist A, Granath F, Askling J, Hedlund J. Influenza vaccination and mortality: prospective cohort study of the elderly in a large geographical area. The European respiratory journal. 2007;30(3):414-22.
331. Simonsen L, Reichert TA, Viboud C, Blackwelder WC, Taylor RJ, Miller MA. Impact of Influenza Vaccination on Seasonal Mortality in the US Elderly Population. Archives of Internal Medicine. 2005;165(3):265-72.
332. Demicheli V, Jefferson T, Ferroni E, Rivetti A, Di Pietrantonj C. Vaccines for preventing influenza in healthy adults. Cochrane Database of Systematic Reviews. 2018(2).
333. ISR IU. Immunization Safety Review: Multiple Immunizations and Immune Dysfunction. Stratton K WC, McCormick MC, editor. Washington, DC, US: National Academies Press 2002.
334. IOM. The Childhood Immunization Schedule and Safety: Stakeholder Concerns, Scientific Evidence, and Future Studies. The Childhood Immunization Schedule and Safety: Stakeholder Concerns, Scientific Evidence, and Future Studies. Washington (DC): National Academies Press (US) by the National Academy of Sciences; 2013.
335. Larson HJ. The biggest pandemic risk? Viral misinformation. Nature. 2018;562.
336. Larson HJ. Vaccine Confidence Project 2019 [Available from: <https://www.vaccineconfidence.org/>].
337. Larson HJ, de Figueiredo A, Xiahong Z, Schulz WS, Verger P, Johnston IG, et al. The State of Vaccine Confidence 2016: Global Insights Through a 67-Country Survey. EBioMedicine. 2016;12:295-301.
338. Fact F. The Full Fact team London, UK: Full Fact 2021 [Available from: <https://fullfact.org/about/our-team/>].
339. Contributors W. Media manipulation Online: Wikipedia; 2021 [Available from: [https://en.wikipedia.org/wiki/Media\\_manipulation](https://en.wikipedia.org/wiki/Media_manipulation)].
340. Toobin A. CDC Sued to Disclose Restrictions on Scientists' Right to Speak Cambridge, MA, US: JOLT Digest Harvard Journal of Law & Technology; 2020 Apr 16 [Available from: <https://jolt.law.harvard.edu/digest/cdc-sued-to-disclose-restrictions-on-scientists-right-to-speak>].
341. Broderick R. Facebook Has Announced A Multistep Plan To Crack Down On Anti-Vax Misinformation. 2019 Mar 07.
342. Belluz J. How anti-vaxxers have scared the media away from covering vaccine side effects. Vox. 2015 Jul 27.

343. Scott E. Why people believe the Earth is flat and we should listen to anti-vaxxers. The Guardian. 2019 4th April
344. Veritas P. Facebook Whistleblowers LEAK DOCS Detailing Effort to Secretly Censor Vax Concerns on Global Scale. You Tube; 2021.
345. Staff R. Britain's GCHQ to wage cyber war on anti-vaccine propaganda: The Times Canary Wharf, London, United Kingdom: Thomson Reuters Corporation 2020 Nov 08 [Available from: <https://www.reuters.com/article/us-britain-security-gchq-cyber-idUSKBN2700X9>].
346. Burns H. Health tsars. BMJ (Clinical research ed). 2004;328(7432):117-8.
347. Ernst E. Fatalities after CAM: an overview. The British journal of general practice : the journal of the Royal College of General Practitioners. 2011;61(587):404-5.
348. Ekor M. The growing use of herbal medicines: issues relating to adverse reactions and challenges in monitoring safety. Frontiers in pharmacology. 2014;4:177-.
349. Susan Eardley et al. CAM use in Europe –The patients’ perspective. Part I: A systematic literature review of CAM prevalence in the EU. Munich, Germany: CAMbrella 2012.
350. Medicine JH. Study Suggests Medical Errors Now Third Leading Cause of Death in the U.S. 2016 May 03 [Available from: [https://www.hopkinsmedicine.org/news/media/releases/study\\_suggests\\_medical\\_errors\\_now\\_third\\_leading\\_cause\\_of\\_death\\_in\\_the\\_us](https://www.hopkinsmedicine.org/news/media/releases/study_suggests_medical_errors_now_third_leading_cause_of_death_in_the_us)].
351. Bachrach S. In the Name of Public Health — Nazi Racial Hygiene. New England Journal of Medicine. 2004;351(5):417-20.
352. Alhatem A, Spruijt O, Heller DS, Chokshi RJ, Schwartz RA, Lambert WC. “Do-not-resuscitate (DNR)” status determines mortality in patients with COVID-19. Clin Dermatol. 2020.
353. Petersen T. Spiral of Silence. Encyclopedia Britannica. Chicago, IL, United States: Encyclopædia Britannica, Inc.; 2019 Jan 02.
354. Reddy BS. The Struggle to Fight Measles in Close-Knit Communities. The Wall Street Journal. 2019 Apr 15.
355. Fournet N, Mollema L, Ruijs WL, Harmsen IA, Keck F, Durand JY, et al. Under-vaccinated groups in Europe and their beliefs, attitudes and reasons for non-vaccination; two systematic reviews. BMC public health. 2018;18(1):196-.
356. Calligeros M. Melbourne’s anti-vaccination hot spots: Rich suburbs have low immunisation rates. The Age. 2019.
357. Hansen J. Byron Bay has become the anti-vaxxer’s paradise. Daily Telegraph 2018 Sep 22.
358. Fernando G. ‘I don’t think it’s fair’: Inside Australia’s biggest anti-vaccination hot spot 2019 [Available from: <https://www.news.com.au/lifestyle/parenting/babies/i-dont-think-its-fair-inside-australias-biggest-antivaccination-hotspot/news-story/157f30402faee0845602184f524434f3>].
359. Oster M. Bus Driver Refuses to Stop for Haredi Man in NY over Measels Outbreak Jerusalem Post Diaspora. 2019 April 26
360. Ireland RCoPo. Royal College of Physicians of Ireland calls for mandatory seasonal flu vaccination for healthcare professionals in high risk clinical settings 2018 Oct 18 [Available from: <https://www.rcpi.ie/news/releases/royal-college-of-physicians-of-ireland-calls-for-mandatory-seasonal-flu-vaccination-for-healthcare-professionals-in-high-risk-clinical-settings/>].
361. Contributors W. No Jab, No Pay. 2019.
362. Government DoHSA. Immunisation and Health Check requirements for Family Tax Benefit 2019 [Available from: <https://www.dss.gov.au/our-responsibilities/families-and-children/benefits-payments/strengthening-immunisation-for-young-children>].
363. Government DoHSA. Family Tax Benefit 2019 [Available from: <https://www.dss.gov.au/families-and-children/benefits-payments/family-tax-benefit#FTBA>].
364. Government PBaBA. Family Tax Benefit Part A 2019 [Available from: <https://www.pregnancybirthbaby.org.au/family-tax-benefit-part-a>].
365. Government PBaBA. Family Tax Benefit Part B 2019 [Available from: <https://www.pregnancybirthbaby.org.au/family-tax-benefit-part-b>].



366. Experts iTP. Australia's most educated areas [Internet]. 2014 [updated 2014 Jan 29. Available from: <https://blog.id.com.au/2014/population/australian-census/australias-most-educated-suburbs/>.
367. Australia S. Immunisation medical exemptions: Australian Government; 2021 [Available from: <https://www.servicesaustralia.gov.au/individuals/topics/immunisation-medical-exemptions/40531>.
368. IT L. Immunity fears as Italy overturns mandatory vaccination law 2019 [Available from: <https://www.thelocal.it/20180807/immunity-fears-as-italy-overturns-mandatory-vaccination-law>.
369. news.com.au. French couple receive suspended jail sentence for refusing to vaccinate their 2016 [Available from: <https://www.news.com.au/lifestyle/parenting/babies/french-couple-receive-suspended-jail-sentence-for-refusing-to-vaccinate-their/news-story/3b027d34542e746069a54f650fbec5a5>.
370. Lennon J. The people have the power. All we have to do is awaken the power in the people: AZQuotes; 2021 [Available from: <https://www.azquotes.com/quote/798840>.
371. Pettit P. Freedom and the state: nanny or nightwatchman? Public Health. 2015;129(8):1055-60.
372. Griffiths PE, West C. A balanced intervention ladder: promoting autonomy through public health action. Public Health. 2015;129(8):1092-8.
373. Berry CR, Fowler A, Glazer T, Handel-Meyer S, MacMillen A. Evaluating the effects of shelter-in-place policies during the COVID-19 pandemic. Proceedings of the National Academy of Sciences. 2021;118(15):e2019706118.
374. Jay Bhattacharya MKaSG. The Greater Barrington Declaration (GBD) Great Barrington, Massachusetts, US: Jay Bhattacharya Stanford University, Martin Kulldorff Harvard Medical School and Sunetra Gupta Oxford University; 2021 [Available from: <https://gbdeclaration.org/>.
375. Nisreen A Alwan et al. John Snow Memorandum 2020 Oct 15 [Available from: <https://www.johnsnowmemo.com/about.html>.
376. Twitter. Scott Atlas NAILS IT! . In: Twitter: ICo, editor.: Twitter; 2021.
377. Ahlander J. Sweden saw lower 2020 death spike than much of Europe - data Toronto, Canada: Thomson Reuters; 2021 Mar 21 [Available from: <https://www.statista.com/statistics/525353/sweden-number-of-deaths/>.
378. Statista. Number of deaths in Sweden from 2011 to 2021 Hamburg, Germany Ströer; 2021 [Available from: <https://www.statista.com/statistics/525353/sweden-number-of-deaths/>.
379. Desk SN. WHO on Sweden's strategy: Can be a future model Stockholm, Sweden: Sveriges Television AB 2020 Apr 29 [Available from: <https://www.svt.se/nyheter/utrikes/who-om-sveriges-strategi-kan-vara-en-framtida-modell>.
380. Ballotpedia. States that did not issue stay-at-home orders in response to the coronavirus (COVID-19) pandemic, 2020 Wisconsin, US: Ballotpedia 2021 [Available from: [https://ballotpedia.org/States\\_that\\_did\\_not\\_issue\\_stay-at-home\\_orders\\_in\\_response\\_to\\_the\\_coronavirus\\_\(COVID-19\)\\_pandemic,\\_2020#cite\\_note-1](https://ballotpedia.org/States_that_did_not_issue_stay-at-home_orders_in_response_to_the_coronavirus_(COVID-19)_pandemic,_2020#cite_note-1).
381. Weinberger DM, Chen J, Cohen T, Crawford FW, Mostashari F, Olson D, et al. Estimation of Excess Deaths Associated With the COVID-19 Pandemic in the United States, March to May 2020. JAMA Intern Med. 2020;180(10):1336-44.
382. Burke M. Texas, Florida and South Dakota governors refuse lockdowns as coronavirus resurges New York, New York, United States: American Broadcasting Company (ABC); 2020 Nov 18 [Available from: <https://www.nbcnews.com/news/us-news/texas-florida-south-dakota-governors-refuse-lockdowns-coronavirus-resurges-n1248042>.
383. WTVT. Texas COVID numbers decrease 17 days after mask, other restrictions lifted Florida, US: FOX 13 Tampa Bay; 2021 Mar 27 [Available from: <https://www.fox13news.com/>.
384. Cone A. State's deaths' increase drops to 26, lowest in nearly 5 months day after 159; cases rise 5,883 Florida, US: WFLX Fox 29; 2021 Mar 27 [updated March 29 at 12:57 PM. Available from:

<https://www.wflx.com/2021/03/28/state-deaths-increase-drops-lowest-nearly-months-day-after-cases-rise/>.

385. Press TFaTA. Texas, Mississippi, Alabama and West Virginia all moved to end statewide pandemic restrictions like mask mandates and indoor capacity caps. American Broadcasting Company (ABC): New York, New York, United States; 2021 [Available from:

<https://www.fox13news.com/news/texas-covid-numbers-decrease-17-days-after-mask-other-restrictions-lifted>.

386. Meo SA, Abukhalaf AA, Alomar AA, AlMutairi FJ, Usmani AM, Klonoff DC. Impact of lockdown on COVID-19 prevalence and mortality during 2020 pandemic: observational analysis of 27 countries. *Eur J Med Res*. 2020;25(1):56.

387. Esar E. In a democracy, you believe it or not; in a dictatorship, you believe it or else: Quotefancy; 2021 [Available from: <https://quotefancy.com/quote/1178711/Evan-Esar-In-a-democracy-you-believe-it-or-not-in-a-dictatorship-you-believe-it-or-else#:~:text=Evan%20Esar%20Quote%3A%20%E2%80%9CIn%20a,you%20believe%20it%20or%20else.%E2%80%9D>.

[else#:~:text=Evan%20Esar%20Quote%3A%20%E2%80%9CIn%20a,you%20believe%20it%20or%20else.%E2%80%9D](https://quotefancy.com/quote/1178711/Evan-Esar-In-a-democracy-you-believe-it-or-not-in-a-dictatorship-you-believe-it-or-else#:~:text=Evan%20Esar%20Quote%3A%20%E2%80%9CIn%20a,you%20believe%20it%20or%20else.%E2%80%9D).

388. Day M. Covid-19: four fifths of cases are asymptomatic, China figures indicate. *BMJ*. 2020;369:m1375.

389. Bendavid E, Mulaney B, Sood N, Shah S, Ling E, Bromley-Dulfano R, et al. COVID-19 Antibody Seroprevalence in Santa Clara County, California. *medRxiv*. 2020:2020.04.14.20062463.

390. Lim J, Lee J. Current laboratory diagnosis of coronavirus disease 2019. *Korean J Intern Med*. 2020;35(4):741-8.

391. Wang CYT, Buckley C, Bletchly C, Harris P, Whiley D. Contamination of SARS-CoV-2 RT-PCR probes at the oligonucleotide manufacturer. *Pathology*. 2020;52(7):814-6.

392. Tom Jefferson CH, Elizabeth Spencer and Jon Brassey. Are you infectious if you have a positive PCR test result for COVID-19? Oxford, UK CEBM; 2020 Aug 05 [Available from:

<https://www.cebm.net/covid-19/infectious-positive-pcr-test-result-covid-19/>.

393. Jarrom D, Elston L, Washington J, Prettyjohns M, Cann K, Myles S, et al. Effectiveness of tests to detect the presence of SARS-CoV-2 virus, and antibodies to SARS-CoV-2, to inform COVID-19 diagnosis: a rapid systematic review. *BMJ Evidence-Based Medicine*. 2020:bmjebm-2020-111511.

394. FDA U. LabCorp Accelerated Emergency Use Authorization (EUA) Summary COVID-19 RT-PCR TEST. Silver Spring, Maryland, US: US FDA.

395. Böger B, Fachi MM, Vilhena RO, Cobre AF, Tonin FS, Pontarolo R. Systematic review with meta-analysis of the accuracy of diagnostic tests for COVID-19. *American journal of infection control*. 2021;49(1):21-9.

396. Ling Y, Xu SB, Lin YX, Tian D, Zhu ZQ, Dai FH, et al. Persistence and clearance of viral RNA in 2019 novel coronavirus disease rehabilitation patients. *Chin Med J (Engl)*. 2020;133(9):1039-43.

397. Atkinson B, Petersen E. SARS-CoV-2 shedding and infectivity. *Lancet*. 2020;395(10233):1339-40.

398. CDC. Interim Guidance on Duration of Isolation and Precautions for Adults with COVID-19 Atlanta, Georgia, United States: U.S. Department of Health & Human Services; 2021 [updated Feb 13 2021. Available from: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/duration-isolation.html>.

399. Cohen AN, Kessel B, Milgroom MG. Diagnosing COVID-19 infection: the danger of over-reliance on positive test results. *medRxiv*. 2020:2020.04.26.20080911.

400. Surkova E, Nikolayevskyy V, Drobniowski F. False-positive COVID-19 results: hidden problems and costs. *The Lancet Respiratory Medicine*. 2020;8(12):1167-8.

401. Kanji JN, Zelyas N, MacDonald C, Pabbaraju K, Khan MN, Prasad A, et al. False negative rate of COVID-19 PCR testing: a discordant testing analysis. *Virology Journal*. 2021;18(1):13.

402. Surkova E, Nikolayevskyy V, Drobniowski F. False-positive COVID-19 results: hidden problems and costs. *The Lancet Respiratory Medicine*.

403. Lauren M. Kucirka et al. Variation in False-Negative Rate of Reverse Transcriptase Polymerase Chain Reaction–Based SARS-CoV-2 Tests by Time Since Exposure. *Annals of Internal Medicine*. 2020;173(4):262-7.
404. Patel MM, Jackson ML, Ferdinands J. Postlicensure Evaluation of COVID-19 Vaccines. *Jama*. 2020;324(19):1939-40.
405. Floriano I, Silvinato A, Bernardo WM, Reis JC, Soledade G. Accuracy of the Polymerase Chain Reaction (PCR) test in the diagnosis of acute respiratory syndrome due to coronavirus: a systematic review and meta-analysis. *Rev Assoc Med Bras* 2020;66(7):880-8.
406. Healy B, Khan A, Metezai H, Blyth I, Asad H. The impact of false positive COVID-19 results in an area of low prevalence. *Clin Med (Lond)*. 2021;21(1):e54-e6.
407. Jaafar R, Aherfi S, Wurtz N, Grimaldier C, Van Hoang T, Colson P, et al. Correlation Between 3790 Quantitative Polymerase Chain Reaction–Positives Samples and Positive Cell Cultures, Including 1941 Severe Acute Respiratory Syndrome Coronavirus 2 Isolates. *Clinical Infectious Diseases*. 2020.
408. La Scola B, Le Bideau M, Andreani J, Hoang VT, Grimaldier C, Colson P, et al. Viral RNA load as determined by cell culture as a management tool for discharge of SARS-CoV-2 patients from infectious disease wards. *European journal of clinical microbiology & infectious diseases* : official publication of the European Society of Clinical Microbiology. 2020;39(6):1059-61.
409. WHO. WHO Information Notice for IVD Users 2020/05 [Internet]. Geneva, Switzerland: WHO; 2021 Jan 20 [Available from: <https://www.who.int/news/item/20-01-2021-who-information-notice-for-ivd-users-2020-05>].
410. HSE. Guidance on the management of weak positive (high Ct value) PCR results in the setting of testing individuals for SARS-CoV-2. Dublin, Ireland: HPSC; 2020 Dec. 22.
411. Landry ML. Your Coronavirus Test is Positive. Maybe It Shouldn't Be. Published in *New York Times*, August 29, 2020: Clinical Virology Laboratory, Yale New Haven Hospital; 2020.
412. (DLS) DoLS. 07/21/2021: Lab Alert: Changes to CDC RT-PCR for SARS-CoV-2 Testing Atlanta, Georgia, US: CDC; 2021 [Available from: [https://www.cdc.gov/csels/dls/locs/2021/07-21-2021-lab-alert-Changes\\_CDC\\_RT-PCR\\_SARS-CoV-2\\_Testing\\_1.html](https://www.cdc.gov/csels/dls/locs/2021/07-21-2021-lab-alert-Changes_CDC_RT-PCR_SARS-CoV-2_Testing_1.html)].
413. Roderick P. Is it lawful to require self-isolation after a positive covid-19 test? . *BMJ Opinion*. 2020 Dec 08.
414. India GG. Portuguese Court Rules PCR Tests As Unreliable and Unlawful To Quarantine People. *Journal of Geopolitics and International Relations*. 2020 Nov 18.
415. McCarthy E. Goat and pawpaw 'test positive' for COVID-19 in Tanzania [Internet ]. Thomson Reuters; 2020 [Available from: <https://www.reuters.com/video/watch/idOVCCIUZCJ>].
416. Schipani DPaA. Tanzania looks to divine providence as government shuns Covid vaccines. *The Irish Times*. 2021 Feb
417. Reuters. COVID-19 Tracker Ontario, Canada: Thmosn Retuers; 2021 May 18 [Available from: <https://graphics.reuters.com/world-coronavirus-tracker-and-maps/countries-and-territories/tanzania/>].
418. Desk N. Tanzania's Magufuli laid to rest after mysterious death Lyon, France: Afridca News; 2021 [Available from: <https://www.africanews.com/2021/03/26/tanzania-s-magufuli-laid-to-rest-after-mysterious-death/>].
419. Report N. Watch: Austrian MP Tests Cola for Covid-19 – Yields Positive Result [Internet]. Online: NWO News; 2020 Dec 10 [Available from: <https://nworeport.me/2020/12/11/watch-austrian-mp-tests-cola-for-covid-19-yields-positive-result/>].
420. Binnicker M. Could Vaccination Cause Me To Test Positive For Covid-19? *Forbes* 2021 Feb 26.
421. Gov. U. SPI-M-O: Summary of further modelling of easing restrictions – Roadmap Step 2, 31 March 2021 2021 [Available from: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/975909/S1182\\_SPI-M-O\\_Summary\\_of\\_modelling\\_of\\_easing\\_roadmap\\_step\\_2\\_restrictions.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/975909/S1182_SPI-M-O_Summary_of_modelling_of_easing_roadmap_step_2_restrictions.pdf)].
422. Wakefield J. Panorama. In: Farmar S, editor. Undercover: Inside the Covid Testing LabBBC Panorama2021 Mar 29.

423. Mullis K. Kary Mullis PCR Test. MP42020.
424. Tube Y. Kary Mullis didn't find single proof that HIV causes AIDS. In: Movement TT, editor.: You Tube; 2020
425. Mullis K. Kary Mullis calls out Fauci: MP4; ?
426. Breakingnews.ie. EU agrees common list of Covid-19 rapid antigen tests Dublin, Ireland: Irish Times Trust; 2021 Feb 02 [Available from: <https://www.breakingnews.ie/world/table-eu-agrees-list-of-covid-19-rapid-tests-1083217.html>].
427. Deegan G. HSE paid Enfer €122.4m to process Covid tests last year Dublin, Ireland: The Irish Times Trust; 2021 Mar 11 [Available from: <https://www.irishtimes.com/profile/gordon-deegan-7.1837475>].
428. Mahase E. Covid-19: Mass testing is inaccurate and gives false sense of security, minister admits. BMJ. 2020;371:m4916.
429. Plato. No one is more hated than He who speaks the truth" GoodReads; 2021 [Available from: <https://www.goodreads.com/quotes/7584407-no-one-is-more-hated-than-he-who-speaks-the>].
430. CDC. CDC 2019-Novel Coronavirus (2019-nCoV) Real-Time RT-PCR Diagnostic Panel In: Services DoHaH, editor. Atlanta, GA, US: CDC/DDID/NCIRD/ Division of Viral Diseases; 2020 Jan 01.
431. Tiwari SK, Singh AK, Singh A. In-silico primer designing and PCR for detection of novel coronavirus-19. J Infect Public Health. 2020;13(12):1885-6.
432. Gand M, Vanneste K, Thomas I, Van Gucht S, Capron A, Herman P, et al. Use of Whole Genome Sequencing Data for a First in Silico Specificity Evaluation of the RT-qPCR Assays Used for SARS-CoV-2 Detection. Int J Mol Sci. 2020;21(15).
433. Martínez-Murcia A, Bru G, Navarro A, Ros-Tárraga P, García-Sirera A, Pérez L. Comparative in silico design and validation of GPS™ CoVID-19 dtec-RT-qPCR test. Journal of applied microbiology. 2021;130(1):2-13.
434. Genetic sequence data and databases [press release]. Geneva, Switzerland: WHO2018 Apr 03.
435. Park WB, Kwon NJ, Choi SJ, Kang CK, Choe PG, Kim JY, et al. Virus Isolation from the First Patient with SARS-CoV-2 in Korea. J Korean Med Sci. 2020;35(7):e84.
436. Sah R, Rodriguez-Morales AJ, Jha R, Chu DKW, Gu H, Peiris M, et al. Complete Genome Sequence of a 2019 Novel Coronavirus (SARS-CoV-2) Strain Isolated in Nepal. Microbiol Resour Announc. 2020;9(11).
437. Licastro D, Rajasekharan S, Dal Monego S, Segat L, D'Agaro P, Marcello A. Isolation and Full-Length Genome Characterization of SARS-CoV-2 from COVID-19 Cases in Northern Italy. J Virol. 2020;94(11).
438. Prescott J, Feldmann H, Safronetz D. Amending Koch's postulates for viral disease: When "growth in pure culture" leads to a loss of virulence. Antiviral Research. 2017;137:1-5.
439. Robinson J. How Scientists Identify a Virus New York, New York, United States: WebMD 2020 Oct 28 [Available from: <https://www.webmd.com/a-to-z-guides/how-scientists-identify-virus>].
440. Stelzer-Braid S, Walker GJ, Aggarwal A, Isaacs SR, Yeang M, Naing Z, et al. Virus isolation of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) for diagnostic and research purposes. Pathology. 2020;52(7):760-3.
441. Calderaro A, Arcangeletti MC, De Conto F, Buttrini M, Montagna P, Montecchini S, et al. SARS-CoV-2 infection diagnosed only by cell culture isolation before the local outbreak in an Italian seven-week-old suckling baby. Int J Infect Dis. 2020;96:387-9.
442. Matsuyama S, Nao N, Shirato K, Kawase M, Saito S, Takayama I, et al. Enhanced isolation of SARS-CoV-2 by TMPRSS2-expressing cells. Proceedings of the National Academy of Sciences. 2020;117(13):7001.
443. Kirby T. COVID-19 human challenge studies in the UK. Lancet Respir Med. 2020;8(12):e96.
444. Sooner D. We advocate for people who want to participate in high-impact medical trials, including COVID-19 challenge trials. 2021 [Available from: <http://www.1daysooner.org/>].

445. Fouchier RAM, Kuiken T, Schutten M, van Amerongen G, van Doornum GJJ, van den Hoogen BG, et al. Aetiology: Koch's postulates fulfilled for SARS virus. *Nature*. 2003;423(6937):240-.
446. Miller SE, Goldsmith CS. Caution in Identifying Coronaviruses by Electron Microscopy. *Journal of the American Society of Nephrology*. 2020;31(9):2223.
447. Staff R. The SARS-CoV-2 virus has been identified and studied by scientists globally Canary Wharf, London, United Kingdom: Thomson Reuters 2020 Nov 26 [Available from: <https://www.reuters.com/article/uk-factcheck-pandemic-idUSKBN2862DL>].
448. desk N. Refusal on administrative grounds to grant FOI request Dublin, Ireland: Journal Media; 2020 [updated 2020 23rd Dec. Available from: <https://www.thejournal.ie/freedom-of-information-request-covid-19-hse-does-not-exist-5312279-Dec2020/>].
449. FIO. Please provide proof that the virus has been isolated and purified enabling the tests used to identify the virus Sars-cov-2 and not just pick up any coronavirus. Public Accountability Unit [Internet]. 2020 Oct 20. Available from: file:///C:/Users/carina/Downloads/1476%20FOI.PDF.pdf.
450. Santayana G. Those who cannot remember the past are condemned to repeat it Wikiquote: Bomis (formerly) Wikimedia Foundation; 2021 [Available from: [https://en.wikiquote.org/wiki/George\\_Santayana](https://en.wikiquote.org/wiki/George_Santayana)].
451. Mariner WK, Annas GJ, Glantz LH. Jacobson v Massachusetts: it's not your great-great-grandfather's public health law. *American journal of public health*. 2005;95(4):581-90.
452. Statista. Incidence of coronavirus (COVID-19) cases in the past seven days in Europe as of March 4, 2021, by country(per 100,000 population) Hamburg, Germany: Ströer; 2021 [Available from: <https://www.statista.com/statistics/1139048/coronavirus-case-rates-in-the-past-7-days-in-europe-by-country/>].
453. Li R, Pei S, Chen B, Song Y, Zhang T, Yang W, et al. Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). *Science (New York, NY)*. 2020 May 01;368(6490):489.
454. Desk D. Calls for 'meaningless' daily Covid-19 updates to be scrapped for weekly figures. *Irish Examiner*. 2020.
455. Viscusi JEAaWK. Risk Regulation Lessons from Mad Cows s: Vol. 8: No. 4, pp In: Viscusi. WK, editor. *Foundations and Trends® in Microeconomic*. 82013. p. 231-313.
456. Éireann D. Leo Varadkar Discusses how Ireland reports Covid-19 cases. *Houses of the Oireachtas Debates*. Ireland2020.
457. 2020 HMIoIH. Irish Units are very busy, with 91% bed occupancy in adult ICUs and 94% bed occupancy in paediatric ICUs in 2017. The recommended occupancy levels are 70-80%. *Health Manager Journal*. 2019 Mrc. .
458. desk N. How many ICU beds do we actually have and what happened to the Covid surge capacity? *Journalie*. 2020 Sep. .
459. Clarke V. Covid-19: ICU capacity to be used up across Ireland by weekend. *BreakingNewsie* 2021 Jan. 15.
460. Ireland Go. ICU, Acute Hospital and Testing Data Dublin, Ireland: Government of Ireland 2021 [Available from: <https://covid19ireland-geohive.hub.arcgis.com/pages/hospitals-icu--testing>].
461. Roberts BDaL. Nightingale hospitals stand empty despite surging Covid cases as medics warn of staff shortages. *The Telegraph* 2020 Dec. 28.
462. Day M. Covid-19: Nightingale hospitals set to shut down after seeing few patients. *Bmj*. 2020;369:m1860.
463. Proudfoot AG, O'Brien B, Schilling R, Gould DW, McGlennan A. Rapid establishment of a COVID-19 critical care unit in a convention centre: the Nightingale Hospital London experience. *Intensive Care Med*. 2021;47(3):349-51.
464. Hicks D. All Quiet on the Medical Front. Online: Facebook; 2020.
465. Mabe H. Lockdown protester Debbie Hicks arrested after allegedly filming in hospital. *Wilts and Gloucestershire Standard*. 2020.



466. Boobyer L. Hospitals under 'considerable pressure' as covid admissions rise to 186 - and NHS issues urgent plea [Internet]. Gloucester Quays, St Ann Way, Gloucester: Local World 2020 Dec. [updated 18:28, 14 DEC 2020. Available from: <https://www.gloucestershirelive.co.uk/news/gloucester-news/hospitals-under-considerable-pressure-covid-4797524>.
467. Zuckerberg M. Croydon University Hospital. Facebook 2020.
468. Truelove S. London Covid: Croydon University Hospital 'very, very busy' as coronavirus cases surge. My London. 2020 14:12, 29 DEC 2020.
469. Desk N. Misleading videos of 'empty' hospitals being shared on social media are putting extra strain on health service, say hospitals Dublin, Ireland: Journal Media; 2021 [Available from: <https://www.thejournal.ie/empty-hospitals-false-claims-ireland-5324671-Feb2021/>.
470. Ahmed W, López Seguí F, Vidal-Alaball J, Katz MS. COVID-19 and the "Film Your Hospital" Conspiracy Theory: Social Network Analysis of Twitter Data. Journal of medical Internet research. 2020;22(10):e22374-e.
471. Havers FP, Reed C, Lim T, Montgomery JM, Klena JD, Hall AJ, et al. Seroprevalence of Antibodies to SARS-CoV-2 in 10 Sites in the United States, March 23-May 12, 2020. JAMA Internal Medicine. 2020.
472. Stankiewicz K. Up to 30% of Americans may be infected with coronavirus by year-end, Dr. Scott Gottlieb says [Internet]. Online: NBCUniversal News Group; 2020 Nov 30 [updated Nov 30 2020. Available from: <https://www.cnbc.com/2020/11/30/dr-scott-gottlieb-30percent-of-us-may-get-covid-19-by-year-end.html>.
473. Vilella A, Trilla A. The COVID-19 Pandemic-an Epidemiological Perspective. Curr Allergy Asthma Rep. 2021;21(4):29.
474. Yeats WB. A statesman is an easy man, he tells his lies by rote: GoodReads; 2021 [Available from: <https://www.azquotes.com/quote/535552>.
475. Iuliano AD, Roguski KM, Chang HH, Muscatello DJ, Palekar R, Tempia S, et al. Estimates of global seasonal influenza-associated respiratory mortality: a modelling study. Lancet. 2018;391(10127):1285-300.
476. Taubenberger JK, Morens DM. 1918 Influenza: the mother of all pandemics. Emerging infectious diseases. 2006;12(1):15-22.
477. Romano A, Sotis C, Dominioni G, Guidi S. The scale of COVID-19 graphs affects understanding, attitudes, and policy preferences. Health Economics. 2020;29(11):1482-94.
478. Brown RB. Public Health Lessons Learned From Biases in Coronavirus Mortality Overestimation. Disaster Med Public Health Prep. 2020;14(3):364-71.
479. Meyerowitz-Katz G, Merone L. A systematic review and meta-analysis of published research data on COVID-19 infection fatality rates. Int J Infect Dis. 2020;101:138-48.
480. Gudbjartsson DF, Norddahl GL, Melsted P, Gunnarsdottir K, Holm H, Eythorsson E, et al. Humoral Immune Response to SARS-CoV-2 in Iceland. New England Journal of Medicine. 2020;383(18):1724-34.
481. Rajgor DD, Lee MH, Archuleta S, Bagdasarian N, Quek SC. The many estimates of the COVID-19 case fatality rate. The Lancet Infectious Diseases. 2020;20(7):776-7.
482. WHO. International Guidelines for Certification and Classification (coding) of COVID-19 as a Cause of Death. Geneva, Switzerland: WHO; 2020.
483. Carl Heneghan JO. Public Health England has changed its definition of deaths: here's what it means Oxford University: The Centre for Evidence-Based Medicine; 2020 [Available from: <https://www.cebm.net/covid-19/public-health-england-death-data-revised/>.
484. Service C. Guidance in relation to the Coroners Service and Deaths due to Covid-19 infection. Johnstown, Navan, Co Meath: Department of Justice; 2020.
485. McDermott S. Explainer: How does Ireland count Covid-19 deaths compared to other countries? The Journal 2020.

486. System NVS. Guidance for Certifying Deaths Due to Coronavirus Disease 2019 (COVID–19). Washington, DC, United States: U.S. Department of Health and Human Services 2020 Apr.
487. CDC. Guidance for Certifying Deaths Due to Coronavirus Disease 2019 (COVID–19). Atlanta, Georgia, U.S.: The National Vital Statistics System (NVSS); 2020 Apr.
488. France-Presse A. Russia admits to world's third-worst Covid-19 death toll. The Guardian. 2020 Dec. 28.
489. Daniel Howdon JO, Carl Heneghan. Death certificate data: COVID-19 as the underlying cause of death Oxford, UK: The Centre for Evidence-Based Medicine; 2020 Sep 16 [Available from: <https://www.cebm.net/covid-19/death-certificate-data-covid-19-as-the-underlying-cause-of-death/>.
490. Schuppener LM, Olson K, Brooks EG. Death Certification: Errors and Interventions. Clin Med Res. 2020 Mar 20;18(1):21-6.
491. McGivern L, Shulman L, Carney JK, Shapiro S, Bundock E. Death Certification Errors and the Effect on Mortality Statistics. Public health reports (Washington, DC : 1974). 2017;132(6):669-75.
492. Begley S. Influential Covid-19 model uses flawed methods and shouldn't guide U.S. policies, critics say. Stat. 2020 Apr 17.
493. Podcasts C-S. CDC Director acknowledges possible inflation in COVID-19 death count. 2020.
494. AHA. Special Bulletin: Senate Passes the Coronavirus Aid, Relief, and Economic Security (CARES) Act Chicago, Illinois, United States: American Hospital Association; 2021 [Available from: <https://www.aha.org/special-bulletin/2020-03-26-senate-passes-coronavirus-aid-relief-and-economic-security-cares-act>.
495. Jensen DS. US: Hospitals Get Paid \$13K to List Patients as COVID-19 and \$39K to Put Them on a Ventilator: G. Edward Griffin; 2020 Apr. 10 [cited 2021 Jan. 21]. Available from: <https://needtoknow.news/2020/04/us-hospitals-get-paid-13k-to-list-patients-as-covid-19-and-39k-to-put-them-on-a-ventilator/>.
496. Larry Levitt Follow KSaEL. Estimated Cost of Treating the Uninsured Hospitalized with COVID-19 San Francisco, California, United States: Kaiser Family Foundation; 2121 [Available from: <https://www.kff.org/coronavirus-covid-19/issue-brief/estimated-cost-of-treating-the-uninsured-hospitalized-with-covid-19/>.
497. Tube BN. Government admit they put covid-19 on every death certificate. In: Chaka, editor.: Brand New Tube; 2021 Jan 21.
498. Yoon K Loke CH. Why no-one can ever recover from COVID-19 in England – a statistical anomaly Oxford UK The Centre for Evidence-Based Medicine; 2020 Jul 16 [Available from: <https://www.cebm.net/covid-19/why-no-one-can-ever-recover-from-covid-19-in-england-a-statistical-anomaly/>.
499. US C. Provisional Death Counts for Coronavirus Disease 2019 (COVID-19) [Internet]. U.S. Department of Health & Human Services; 2020 [updated December 2, 2020. Available from: [https://www.cdc.gov/nchs/nvss/vsrr/covid\\_weekly/index.htm?fbclid=IwAR3-wrg3tTKK5-9tOHPGAHWfVO3DfslkJ0KsDEPQpWmPbKtp6EsoVV2Qs1Q](https://www.cdc.gov/nchs/nvss/vsrr/covid_weekly/index.htm?fbclid=IwAR3-wrg3tTKK5-9tOHPGAHWfVO3DfslkJ0KsDEPQpWmPbKtp6EsoVV2Qs1Q).
500. CDC. Provisional Death Counts for Coronavirus Disease 2019 (COVID-19) Atlanta, Georgia, U.S. : U.S. Department of Health & Human Services; 2021 [Available from: [https://www.cdc.gov/nchs/nvss/vsrr/covid\\_weekly/index.htm?fbclid=IwAR3-wrg3tTKK5-9tOHPGAHWfVO3DfslkJ0KsDEPQpWmPbKtp6EsoVV2Qs1Q#Comorbidities](https://www.cdc.gov/nchs/nvss/vsrr/covid_weekly/index.htm?fbclid=IwAR3-wrg3tTKK5-9tOHPGAHWfVO3DfslkJ0KsDEPQpWmPbKtp6EsoVV2Qs1Q#Comorbidities).
501. Office CS. COVID-19 Deaths and Cases 2020 [updated 22 May 2020. Available from: <https://www.cso.ie/en/releasesandpublications/br/b-cdc/covid-19deathsandcases/>.
502. O'Driscoll M, Dos Santos GR, Wang L, Cummings DAT, Azman AS, Paireau J, et al. Age-specific mortality and immunity patterns of SARS-CoV-2. Nature. 2020.
503. Kennelly B, O'Callaghan M, Coughlan D, Cullinan J, Doherty E, Glynn L, et al. The COVID-19 pandemic in Ireland: An overview of the health service and economic policy response. Health Policy Technol. 2020;9(4):419-29.

504. Jason Oke DH, Carl Heneghan. Declining COVID-19 Case Fatality Rates across all ages: analysis of German data [Internet]. Oxford University: The Centre for Evidence-Based Medicine; 2020 Sept 09 [updated September 9, 2020].
505. Horwitz LI, Jones SA, Cerfolio RJ, Francois F, Greco J, Rudy B, et al. Trends in Covid-19 risk-adjusted mortality rates in a single health system. medRxiv. 2020:2020.08.11.20172775.
506. Dennis JM, McGovern AP, Vollmer SJ, Mateen BA. Improving COVID-19 critical care mortality over time in England: A national cohort study, March to June 2020. medRxiv. 2020:2020.07.30.20165134.
507. Rossman J. Coronavirus: why is Germany's fatality rate so low? [Internet]. Online: he Conversation Trust (UK) Limited; 2020 Apr 06 [updated April 6, 2020. Available from: <https://theconversation.com/coronavirus-why-is-germanys-fatality-rate-so-low-135496>.
508. Jin Wu AM, Josh Katz, Elian Peltier and Karan Deep Singh. The Pandemic's Hidden Toll: Half a Million Deaths. The New York Times 2021Feb 09.
509. Auswertungsbericht. Coronakrise 2020 aus Sicht des Schutzes Kritischer Infrastrukturen. Berlin, Germany Auswertungsbericht; 2020 Apr 25.
510. Pozzati D. Strategic Culture Foundation (SCF) Russia: Strategic Culture Foundation (SCF); 2020 May 29 [Available from: <https://www.strategic-culture.org/news/2020/05/29/german-official-leaks-report-denouncing-corona-as-global-false-alarm/>].
511. Moody O. German adviser sacked for report on 'lockdown peril'. The Times. 2020 May 30.
512. Chen B, McNamara DM. Disability Discrimination, Medical Rationing and COVID-19. Asian Bioeth Rev. 2020:1-8.
513. Shallcross LJ, Davies DSC. Antibiotic overuse: a key driver of antimicrobial resistance. The British journal of general practice : the journal of the Royal College of General Practitioners. 2014;64(629):604-5.
514. Ginsburg AS, Klugman KP. COVID-19 pneumonia and the appropriate use of antibiotics. The Lancet Global Health. 2020;8(12):e1453-e4.
515. O'Neill J. Tackling Drug Resistant Infections Globally: Final Report and Recommendations [Internet]. London, UK: Jointly commissioned by the Wellcome Trust and HM Government; 2016 [cited 2019 April 02]. Available from: [https://amr-review.org/sites/default/files/160518\\_Final%20paper\\_with%20cover.pdf](https://amr-review.org/sites/default/files/160518_Final%20paper_with%20cover.pdf).
516. O'Dowd A. Death certificates should record antimicrobial resistance as cause of deaths, says CMO. BMJ. 2018;362:k3832.
517. Security DCCoGH. Review of Progress on Antimicrobial Resistance: Background and Analysis. London: The Royal Institute of International Affairs Chatham House; 2019.
518. Magiorakos AP, Srinivasan A, Carey RB, Carmeli Y, Falagas ME, Giske CG, et al. Multidrug-resistant, extensively drug-resistant and pandrug-resistant bacteria: an international expert proposal for interim standard definitions for acquired resistance. Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases. 2012;18(3):268-81.
519. WHO. WHO publishes list of bacteria for which new antibiotics are urgently needed Geneva, Switzerland 2017 Feb 27 [Available from: <https://www.who.int/news-room/detail/27-02-2017-who-publishes-list-of-bacteria-for-which-new-antibiotics-are-urgently-needed>].
520. Tacconelli E, Carrara E, Savoldi A, Harbarth S, Mendelson M, Monnet DL, et al. Discovery, research, and development of new antibiotics: the WHO priority list of antibiotic-resistant bacteria and tuberculosis. Lancet Infect Dis. 2018;18(3):318-27.
521. Souli M, Galani I, Giamarellou H. Emergence of extensively drug-resistant and pandrug-resistant Gram-negative bacilli in Europe. Euro Surveill. 2008;13(47).
522. 2011-2016 HPSC. Point Prevalence Survey of Hospital-Acquired Infections & Antimicrobial Use in European Acute Care Hospitals 2017 May [Available from: [https://www.hpsc.ie/a-z/microbiologyantimicrobialresistance/infectioncontrolandhai/surveillance/hospitalpointprevalence-surveys/2017/nationalppsreports/PPS%202017%20National%20Report\\_FINAL\\_191218.pdf](https://www.hpsc.ie/a-z/microbiologyantimicrobialresistance/infectioncontrolandhai/surveillance/hospitalpointprevalence-surveys/2017/nationalppsreports/PPS%202017%20National%20Report_FINAL_191218.pdf)].

523. (HPSE) HPSC. Antimicrobial Resistance and Infection Control (AMRIC) Division 2020 [Available from: <https://www.hpsc.ie/a-z/microbiologyantimicrobialresistance/>].
524. REYNOLDS AR. PNEUMONIA: THE NEW "CAPTAIN OF THE MEN OF DEATH.": ITS INCREASING PREVALENCE AND THE NECESSITY OF METHODS FOR ITS RESTRICTION. *Journal of the American Medical Association*. 1903;XL(9):583-6.
525. Witzenrath M, Kuebler WM. Pneumonia in the face of COVID-19. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. 2020;319(5):L863-L6.
526. Vaillancourt M, Jorth P. The Unrecognized Threat of Secondary Bacterial Infections with COVID-19. *mBio*. 2020;11(4):e01806-20.
527. Vaillancourt M, Jorth P. The Unrecognized Threat of Secondary Bacterial Infections with COVID-19. *mBio*. 2020;11(4).
528. Swinburn B. Why obesity threatens the global economy [Internet]. *World Economic Forum*; 2017 April 15 [Available from: <https://www.weforum.org/agenda/2015/04/why-obesity-threatens-the-global-economy/>].
529. Kwok S, Adam S, Ho JH, Iqbal Z, Turkington P, Razvi S, et al. Obesity: A critical risk factor in the COVID-19 pandemic. *Clin Obes*. 2020;10(6):e12403.
530. Afshin A, Forouzanfar MH, Reitsma MB, Sur P, Estep K, Lee A, et al. Health Effects of Overweight and Obesity in 195 Countries over 25 Years. *N Engl J Med*. 2017;377(1):13-27.
531. Malik VS, Ravindra K, Attri SV, Bhadada SK, Singh M. Higher body mass index is an important risk factor in COVID-19 patients: a systematic review and meta-analysis. *Environmental science and pollution research international*. 2020;27(33):42115-23.
532. Popkin BM, Du S, Green WD, Beck MA, Algaith T, Herbst CH, et al. Individuals with obesity and COVID-19: A global perspective on the epidemiology and biological relationships. *Obesity Reviews*. 2020;21(11):e13128.
533. Painter SD, Ovsyannikova IG, Poland GA. The weight of obesity on the human immune response to vaccination. *Vaccine*. 2015;33(36):4422-9.
534. Gu Y. A closer look at U.S. deaths due to COVID-19. *Johns Hopkins Newsletter Internet Archives*. 2020 Nov 22.
535. Briand DG. COVID-19 Deaths: A Look at U.S. Data Maryland, United States.: The Johns Hopkins Bloomberg School of Public Health; 2021 Nov 11 [Available from: <https://advanced.jhu.edu/event/covid-19-deaths-a-look-at-u-s-data/>].
536. Office CS. Press Statement Measuring Mortality Using Public Data Sources: Oct 2019 - Sep 2020 Cork, Ireland: CSO; 2021 [Available from: <https://www.cso.ie/en/csolatestnews/pressreleases/2020pressreleases/pressstatementmeasuringmortalityusingpublicdatasourcesoct2019-sep2020/>].
537. CSO. Vital Statistics Cork, Ireland: Central Statistics Office; 2021 [Available from: <https://www.cso.ie/en/statistics/birthsdeathsandmarriages/vitalstatistics/>].
538. Kontis V, Bennett JE, Rashid T, Parks RM, Pearson-Stuttard J, Guillot M, et al. Magnitude, demographics and dynamics of the effect of the first wave of the COVID-19 pandemic on all-cause mortality in 21 industrialized countries. *Nature Medicine*. 2020;26(12):1919-28.
539. Lutz R. How Deadly Was the 2019-2020 Flu Season? Online: Contagion Live; 2020 Jun 20 [Available from: <https://www.contagionlive.com/view/how-deadly-was-the-2019-2020-flu-season>].
540. Olsen SJ A-BE, Budd AP, et al. . Decreased Influenza Activity During the COVID-19 Pandemic — United States, Australia, Chile, and South Africa 2020. *MMWR Morbidity and mortality weekly report*. 2020;69:1305–9.
541. Olsen SJ, Azziz-Baumgartner E, Budd AP, Brammer L, Sullivan S, Pineda RF, et al. Decreased Influenza Activity During the COVID-19 Pandemic - United States, Australia, Chile, and South Africa, 2020. *MMWR Morbidity and mortality weekly report*. 2020;69(37):1305-9.
542. Moore A. You wear a mask for so long, you forget who you were beneath it: AZ Quotes; 2021 [Available from: <https://www.azquotes.com/quote/417535?ref=wearing-a-mask>].

543. Brink. More Than 100 Countries Have Issued Nationwide Mask Mandates [Internet ]. 2020 Aug [Available from: <https://www.brinknews.com/quick-take/more-than-100-countries-have-issued-nationwide-mask-mandates-coronavirus/>].
544. Whiteside P. Swiss vote on whether to ban Muslim face veils: Sky Group; 2021 Mar 07 [Available from: <https://news.sky.com/story/swiss-vote-on-whether-to-ban-muslim-face-veils-12238686>].
545. Arora A, Jha AK, Alat P, Das SS. Understanding coronaphobia. *Asian J Psychiatr*. 2020;54:102384.
546. Carbon C-C. Wearing Face Masks Strongly Confuses Counterparts in Reading Emotions. *Frontiers in Psychology*. 2020;11(2526).
547. YouTube. March 2020: Dr. Anthony Fauci talks with Dr Jon LaPook about Covid-19. In: Minutes, editor. Online: YouTube; 2020 Mar. .
548. Xiao J SE, Gao H, et al. Nonpharmaceutical Measures for Pandemic Influenza in Nonhealthcare Settings—Personal Protective and Environmental Measures. *Emerging Infectious Diseases*. 2021 May 05;26:967-75.
549. CEBM. What is the efficacy of standard face masks compared to respirator masks in preventing COVID-type respiratory illnesses in primary care staff? Oxford, UK: Centre for Evidence-Based Medicine (CEBM), University of Oxford; 2020 Mar 24 [Available from: <https://www.cebm.net/covid-19/what-is-the-efficacy-of-standard-face-masks-compared-to-respirator-masks-in-preventing-covid-type-respiratory-illnesses-in-primary-care-staff/>].
550. James Corden et al. The Late Late Show. In: Hoskinson J, editor. 'Just wash your hands!' Professor Luke O'Neill on the Coronavirus | Dublin: RTÉ One; 2020 Feb. 28.
551. Staines M. Professor Luke O'Neill backs mandatory face masks for secondary schools Dublin: News Talk 2020 Jul. 30 [Available from: <https://www.newstalk.com/news/face-masks-mandatory-schools-1053881>].
552. YouTube. Wow. Even I'm Blown Away by This One - and that don't Happen Often! : YouTube; 2020 Nov 24.
553. García-Ávila F, Valdiviezo-Gonzales L, Cadme-Galabay M, Gutiérrez-Ortega H, Altamirano-Cárdenas L, Arévalo CZ, et al. Considerations on water quality and the use of chlorine in times of SARS-CoV-2 (COVID-19) pandemic in the community: Case Studies in Chemical and Environmental Engineering. 2020 Sep;2:100049. doi: 10.1016/j.cscee.2020.100049. Epub 2020 Oct 14.
554. WHO. Trihalomethanes in Drinking-water 2005.
555. La Rosa G, Bonadonna L, Lucentini L, Kenmoe S, Suffredini E. Coronavirus in water environments: Occurrence, persistence and concentration methods - A scoping review. *Water research*. 2020;179:115899.
556. Olu-Taiwo M, Laryea CA, Kweku Mykels D, Forson AO. Multidrug-Resistant Bacteria on the Mobile Phones and Computer Keyboards of Healthcare University Students in Ghana. *Can J Infect Dis Med Microbiol*. 2021;2021:6647959.
557. Debnath T, Bhowmik S, Islam T, Hassan Chowdhury M. Presence of multidrug-resistant bacteria on mobile phones of healthcare workers accelerates the spread of nosocomial infection and Regarded as a Threat to Public Health in Bangladesh. *Journal of microscopy and ultrastructure*. 2018;6(3):165-9.
558. Kennedy M, Ramsheh MY, Williams CML, Auty J, Haldar K, Abdulwhhab M, et al. Face mask sampling reveals antimicrobial resistance genes in exhaled aerosols from patients with chronic obstructive pulmonary disease and healthy volunteers. *BMJ Open Respir Res*. 2018;5(1):e000321.
559. Chughtai AA, Stelzer-Braid S, Rawlinson W, Pontivivo G, Wang Q, Pan Y, et al. Contamination by respiratory viruses on outer surface of medical masks used by hospital healthcare workers. *BMC Infect Dis*. 2019;19(1):491.
560. Li L, Zhao X, Li Z, Song K. COVID-19: Performance study of microplastic inhalation risk posed by wearing masks. *J Hazard Mater*. 2021;411:124955.



561. Johnson AT. Respirator masks protect health but impact performance: a review. *J Biol Eng.* 2016;10:4.
562. Atangana E, Atangana A. Facemasks simple but powerful weapons to protect against COVID-19 spread: Can they have sides effects? *Results Phys.* 2020;19:103425.
563. Vainshelboim B. Facemasks in the COVID-19 era: A health hypothesis. *Medical hypotheses.* 2021;146:110411.
564. Beder A, Büyükoçak U, Sabuncuoğlu H, Keskil ZA, Keskil S. Preliminary report on surgical mask induced deoxygenation during major surgery. *Neurocirugia (Astur).* 2008;19(2):121-6.
565. Scheid JL, Lupien SP, Ford GS, West SL. Commentary: Physiological and Psychological Impact of Face Mask Usage during the COVID-19 Pandemic. *Int J Environ Res Public Health.* 2020;17(18).
566. Huguet N, Angier H, Hoopes MJ, Marino M, Heintzman J, Schmidt T, et al. Prevalence of Pre-existing Conditions Among Community Health Center Patients Before and After the Affordable Care Act. *J Am Board Fam Med.* 2019;32(6):883-9.
567. MacIntyre CR, Seale H, Dung TC, Hien NT, Nga PT, Chughtai AA, et al. A cluster randomised trial of cloth masks compared with medical masks in healthcare workers. *BMJ Open.* 2015;5(4):e006577.
568. Saunders-Hastings P, Crispo JAG, Sikora L, Krewski D. Effectiveness of personal protective measures in reducing pandemic influenza transmission: A systematic review and meta-analysis. *Epidemics.* 2017;20:1-20.
569. Feng S, Shen C, Xia N, Song W, Fan M, Cowling BJ. Rational use of face masks in the COVID-19 pandemic. *The Lancet Respiratory Medicine.* 2020;8(5):434-6.
570. Henning Bundgaard et al. Effectiveness of Adding a Mask Recommendation to Other Public Health Measures to Prevent SARS-CoV-2 Infection in Danish Mask Wearers. *Annals of Internal Medicine.* 2021;174(3):335-43.
571. Scientific E. As the use of community masks –also referred to as hygienic masks- becomes part of our daily lives, the European Committee for Standardization (CEN) has published, by request of the European Union, the Workshop Agreement (CWA) guidelines CWA 17553 Luxembourg: Eurofins Scientific; 2019 [Available from: <https://www.eurofins.com/consumer-product-testing/covid-19-product-testing/cwa-cen-mask-testing/>].
572. NSAI. SWIFT-19: 2020 Barrier Masks for Consumers- Requirements Dublin, Ireland: NSAI; 2021 [Available from: <https://www.nsai.ie/barriermasks/>].
573. Isaacs D, Britton P, Howard-Jones A, Kesson A, Khatami A, Marais B, et al. Do facemasks protect against COVID-19? *J Paediatr Child Health.* 2020;56(6):976-7.
574. Bar-On YM, Flamholz A, Phillips R, Milo R. SARS-CoV-2 (COVID-19) by the numbers. *Elife.* 2020;9:e57309.
575. Bałazy A, Toivola M, Adhikari A, Sivasubramani SK, Reponen T, Grinshpun SA. Do N95 respirators provide 95% protection level against airborne viruses, and how adequate are surgical masks? *American journal of infection control.* 2006;34(2):51-7.
576. Desk BN. White House: Biden wore no mask as 'he was celebrating' London, UK: BBC News 2021 Jan 22 [Available from: <https://www.bbc.com/news/av/world-us-canada-55761046>].
577. Kohler JC, Wright T. The Urgent Need for Transparent and Accountable Procurement of Medicine and Medical Supplies in Times of COVID-19 Pandemic. *J Pharm Policy Pract.* 2020;13:58.
578. Mahase E. Covid-19: UK government faces legal action after awarding £250m in PPE contracts to jewellery company. *BMJ.* 2020;371:m4489.
579. Kennelly B, O'Callaghan M, Coughlan D, Cullinan J, Doherty E, Glynn L, et al. The COVID-19 pandemic in Ireland: An overview of the health service and economic policy response. *Health Policy Technol.* 2020;9(4):419-29.
580. Jon Henley KC, Kim Willsher and Daniel Boffey. France may follow Germany in making clinical masks mandatory. *The Guardian* 2021.

581. Desk MN. The Italian State Council prohibits the use of masks in schools Online: MPR 21; 2021 Feb 06 [Available from: <https://mpr21.info/el-consejo-de-estado-italiano-prohibe-el-uso-de-mascarillas-en-las-escuelas/>].
582. desk EN. 45 complaints have been filed to overturn government mask-wearing rule Tallinn, Estonia: Estonian Public Broadcasting 2020 Dec 30 [Available from: <https://news.err.ee/1222375/45-complaints-have-been-filed-to-overturn-government-mask-wearing-rule>].
583. Desk MXN. Austrian court overturns virus mask mandate in schools Douglas, Isle of Man, UK: Science X Network; 2021 [Available from: <https://medicalxpress.com/news/2020-12-austrian-court-overturns-virus-mask.html>].
584. AFP. Düsseldorf forced to lift face mask rule after court ruling Stockholm, Sweden: The Local Europe AB; 2020 Nov 09 [Available from: <https://www.thelocal.de/20201109/dsseldorf-forced-to-lift-face-mask-rule-after-court-ruling>].
585. Disraeli B. There are three kinds of lies: lies, damned lies, and statistics: IPA Incorporated by Royal Charter; 2021 [Available from: <https://ipa.co.uk/knowledge/ipa-blog/lies-damned-lies-and-statistics>].
586. Mehta HB, Ehrhardt S, Moore TJ, Segal JB, Alexander GC. Characteristics of registered clinical trials assessing treatments for COVID-19: a cross-sectional analysis. *BMJ Open*. 2020;10(6):e039978.
587. FDA. Emergency Use Authorization for Vaccines Explained Silver Spring, Maryland, United States: The United States Food and Drug Administration; 2020 [Available from: <https://www.fda.gov/vaccines-blood-biologics/vaccines/emergency-use-authorization-vaccines-explained>].
588. Madore DV, Meade BD, Rubin F, Deal C, Lynn F, Meeting C. Utilization of serologic assays to support efficacy of vaccines in nonclinical and clinical trials: meeting at the crossroads. *Vaccine*. 2010;28(29):4539-47.
589. Moderna. A Phase 3, Randomized, Stratified, Observer-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety, and Immunogenicity of mRNA-1273 SARS-CoV-2 Vaccine in Adults Aged 18 Years and Older. Clinical Study Protocol 2020 Aug 20.
590. Hegen H, Millionig A, Bertolotto A, Comabella M, Giovanonni G, Guger M, et al. Early detection of neutralizing antibodies to interferon-beta in multiple sclerosis patients: binding antibodies predict neutralizing antibody development. *Mult Scler*. 2014;20(5):577-87.
591. Pfizer. A Phase 1/2/3 Study to Evaluate the Safety, Tolerability, Immunogenicity, and Efficacy of RNA Vaccine Candidates Against COVID-19 in Healthy Individuals. Clinical Study Protocol 2020.
592. AstraZeneca. A Phase III Randomized, Double-blind, Placebo-controlled Multicenter Study in Adults to Determine the Safety, Efficacy, and Immunogenicity of AZD1222, a Non-replicating ChAdOx1 VectorVaccine, for the Prevention of COVID-19. Clinical Study Protocol 2020.
593. B.V.\* JVP. A Randomized, Double-blind, Placebo-controlled Phase 3 Study to Assess the Efficacy and Safety of Ad26.COV2.S for the Prevention of SARS-CoV-2-mediated COVID-19 in Adults Aged 18 Years and Older. Clinical Trial Protocol 2020.
594. Colson T. Top WHO scientist says vaccinated travelers should still quarantine, citing lack of evidence that COVID-19 vaccines prevent transmission [Internet ]. New York, New York, United States: Axel Springer; 2020 Dec 29 [updated Dec 29, 2020, 11:55 AM. Available from: <https://www.businessinsider.com/who-says-no-evidence-coronavirus-vaccine-prevent-transmissions-2020-12?r=US&IR=T>].
595. Bower E. One dose of Oxford/AstraZeneca COVID vaccine could cut transmission by 67% Twickenham , United Kingdom: Haymarket Media Group; 2021 Feb 03 [Available from: <https://www.gponline.com/one-dose-oxford-astrazeneca-covid-vaccine-cut-transmission-67/article/1706307>].
596. Ramasamy MN, Minassian AM, Ewer KJ, Flaxman AL, Folegatti PM, Owens DR, et al. Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young

- and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial. *Lancet*. 2021;396(10267):1979-93.
597. Braun J, Loyal L, Frentsch M, Wendisch D, Georg P, Kurth F, et al. Presence of SARS-CoV-2-reactive T cells in COVID-19 patients and healthy donors. *medRxiv*. 2020:2020.04.17.20061440.
598. Loftus P. Covid-19 Vaccine Study on Preventing Transmission Is Stalled New York, New York, US: News Corp; 2021 [Available from: <https://www.wsj.com/articles/covid-19-vaccine-study-on-preventing-transmission-is-stalled-11609436842>].
599. Rid A, Saxena A, Baqui AH, Bhan A, Bines J, Bouesseau M-C, et al. Placebo use in vaccine trials: recommendations of a WHO expert panel. *Vaccine*. 2014;32(37):4708-12.
600. Chung EH. Vaccine allergies. *Clin Exp Vaccine Res*. 2014;3(1):50-7.
601. Voysey M, Clemens SAC, Madhi SA, Weckx LY, Folegatti PM, Aley PK, et al. Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. *The Lancet*. 2021;397(10269):99-111.
602. Howick J, Webster RK, Rees JL, Turner R, Macdonald H, Price A, et al. TIDieR-Placebo: A guide and checklist for reporting placebo and sham controls. *PLOS Medicine*. 2020;17(9):e1003294.
603. Desk N. Coronavirus: France racism row over doctors' Africa testing comments London, UK: BBC Global News Ltd; 2020 Apr. 01 [Available from: <https://www.bbc.com/news/world-europe-52151722>].
604. Lahey T. The ethics of clinical research in low- and middle-income countries. *Handb Clin Neurol*. 2013;118:301-13.
605. Boseley S. Oxford/AstraZeneca vaccine to undergo new global trial. *Guardian* 2020 Nov 26.
606. Singh JA, Kochhar S, Wolff J. Placebo use and unblinding in COVID-19 vaccine trials: recommendations of a WHO Expert Working Group. *Nat Med*. 2021;27(4):569-70.
607. Doshi P. Peter Doshi: Pfizer and Moderna's "95% effective" vaccines—let's be cautious and first see the full data. *BMJ*. 2020.
608. Lipsitch M, Jha A, Simonsen L. Observational studies and the difficult quest for causality: lessons from vaccine effectiveness and impact studies. *Int J Epidemiol*. 2016;45(6):2060-74.
609. Verani JR, Baqui AH, Broome CV, Cherian T, Cohen C, Farrar JL, et al. Case-control vaccine effectiveness studies: Preparation, design, and enrollment of cases and controls. *Vaccine*. 2017;35(25):3295-302.
610. Remschmidt C, Wichmann O, Harder T. Frequency and impact of confounding by indication and healthy vaccinee bias in observational studies assessing influenza vaccine effectiveness: a systematic review. *BMC Infect Dis*. 2015;15(1):429.
611. Sonani B, Aslam F, Goyal A, Patel J, Bansal P. COVID-19 vaccination in immunocompromised patients. *Clin Rheumatol*. 2021;40(2):797-8.
612. NSCF. Autoimmune Disease Louisville, Kentucky, US: The National Stem Cell Foundation 2021 [Available from: <https://nationalstemcellfoundation.org/focus/autoimmune-disease/>].
613. Vrieze Jd. Suspicions grow that nanoparticles in Pfizer's COVID-19 vaccine trigger rare allergic reactions. *Science (New York, NY)*. 2020 Dec. 21;American Association for the Advancement of Science.
614. Mahase E. Covid-19: People with history of significant allergic reactions should not receive Pfizer vaccine, says regulator. *BMJ*. 2020;371:m4780.
615. ASCIA. Allergy and Immune Diseases in Australia (AIDA) Report 2013. Brookvale, New South Wales, Australia: Australasian Society of Clinical Immunology and Allergy; 2013.
616. UK D. Diversity in the UK England and Wales: Diversity UK; 2021 [Available from: <https://diversityuk.org/diversity-in-the-uk/>].
617. Soiza RL, Scicluna C, Thomson EC. Efficacy and safety of COVID-19 vaccines in older people. *Age and Ageing*. 2020.
618. Slaughter LS. Elderly will be hardest group to protect with vaccine London, UK: University World News; 2020 Sep 20 [Available from: <https://www.universityworldnews.com/post.php?story=2020091515501690>].

619. Levin AT, Meyerowitz-Katz G, Owusu-Boaitey N, Cochran KB, Walsh SP. Assessing the Age Specificity of Infection Fatality Rates for COVID-19: Systematic Review, Meta-Analysis, and Public Policy Implications. medRxiv. 2020:2020.07.23.20160895.
620. Helfand BK, Webb M, Gartaganis SL, Fuller L, Kwon C-S, Inouye SK. The Exclusion of Older Persons From Vaccine and Treatment Trials for Coronavirus Disease 2019—Missing the Target. JAMA Internal Medicine. 2020;180(11):1546-9.
621. O’Leary N. German vaccine committee recommends no AstraZeneca jab for over-65s. Irish Times. 2021 Jan. 28th.
622. Barnes J. EU vaccine row: Switzerland bans AstraZeneca vaccine for ALL citizens Express. 2021 Feb 03.
623. Desk N. Denmark withdraws AstraZeneca from Covid-19 vaccination programme Stockholm, Sweden: The Local Europe AB; 2021 Apr 14th [Available from: <https://www.thelocal.dk/20210414/breaking-denmark-to-withdraw-astrazeneca-from-covid-19-vaccination-programme/>].
624. Clegg A, Young J, Iliffe S, Rikkert MO, Rockwood K. Frailty in elderly people. Lancet. 2013;381(9868):752-62.
625. Das KN. Pfizer drops India vaccine application after regulator seeks local trial Canary Wharf, London, United Kingdom: Thomson Reuters; 2021 Feb 05 [Available from: <https://www.reuters.com/article/health-coronavirus-india-pfizer-idUSKBN2A50GE>].
626. Santayana G. The earth has music for those who listen San Fransisco, California, US: Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/1334069-the-earth-has-music-for-those-who-listen>].
627. Schumacher Z, Bourquin C, Heininger U. Surveillance for adverse events following immunization (AEFI) in Switzerland—1991–2001. Vaccine. 2010;28(24):4059-64.
628. Heller O, Somerville C, Suggs LS, Lachat S, Piper J, Aya Pastrana N, et al. The process of prioritization of non-communicable diseases in the global health policy arena. Health policy and planning. 2019;34(5):370-83.
629. Browne SK, Beeler JA, Roberts JN. Summary of the Vaccines and Related Biological Products Advisory Committee meeting held to consider evaluation of vaccine candidates for the prevention of respiratory syncytial virus disease in RSV-naïve infants. Vaccine. 2020;38(2):101-6.
630. NCIRD. General recommendations on immunization --- recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR Recomm Rep. 2011;60(2):1-64.
631. NVAC. Recommendations from the National Vaccine Advisory committee: standards for adult immunization practice. Public Health Rep. 2014;129(2):115-23.
632. NVAC. National Vaccine Advisory Committee, White Paper on the United States Vaccine Safety System. Washington, DC, US: National Vaccine Advisory Committee; 2011.
633. Datalink VS. White Paper on Studying the Safety of the Childhood Immunization Schedule For the Vaccine Safety Datalink. Atlanta GA 30329: Centers for Disease Control and Prevention CDC; 2016.
634. Lipsitch M, Jha A, Simonsen L. Observational studies and the difficult quest for causality: lessons from vaccine effectiveness and impact studies. International journal of epidemiology. 2016;45(6):2060-74.
635. Mawson AR, Croft AM. Multiple Vaccinations and the Enigma of Vaccine Injury. Vaccines (Basel). 2020;8(4).
636. Parasidis E. Recalibrating Vaccination Laws 2017. 2153-241 p.
637. Juraj KKRaj. Vaccine Injury - Burden of Proof of the Defect and the Causal Link in the Light of Judgement in the Case C-621/15. University of Osijek, Croatia: Faculty of Law Osijek; 2019.
638. Policy. IoMUSBoHS. Committee to Review Adverse Effects of Vaccines. In: Stratton K FA, Rusch E, et al., editor, editor. Adverse Effects of Vaccines: Evidence and Causality : Summary Available from: . Washington (DC): National Academies Press (US); 2011 Aug. 25.

639. van Reekum R, Streiner DL, Conn DK. Applying Bradford Hill's criteria for causation to neuropsychiatry: challenges and opportunities. *J Neuropsychiatry Clin Neurosci*. 2001;13(3):318-25.
640. Puliyeel J, Naik P. Revised World Health Organization (WHO)'s causality assessment of adverse events following immunization-a critique. *F1000Research*. 2018;7:243-.
641. ACAAI. Allergy and Immunology Glossary Arlington Heights, Illinois, United States: American College of Allergy, Asthma & Immunology; 2020 [Available from: <https://acaai.org/resources/information/allergy-glossary>].
642. Candela L. Antigens Portland, Oregon, US: Creative Commons Attribution; 2021 [Available from: <https://courses.lumenlearning.com/boundless-ap/chapter/antigens/>].
643. CDC. Multiple Vaccinations at Once [Internet ]. Washington DC, US: US Department of Health & Human Services; 2020 [updated August 14, 2020, 12:00 AM].
644. Galli SJ, Tsai M, Piliponsky AM. The development of allergic inflammation. *Nature*. 2008;454(7203):445-54.
645. Masuka JT, Khoza S. Adverse events following immunisation (AEFI) reports from the Zimbabwe expanded programme on immunisation (ZEPI): an analysis of spontaneous reports in Vigibase® from 1997 to 2017. *BMC public health*. 2019;19(1):1166-.
646. McNeil MM, Li R, Pickering S, Real TM, Smith PJ, Pemberton MR. Who is unlikely to report adverse events after vaccinations to the Vaccine Adverse Event Reporting System (VAERS)? *Vaccine*. 2013;31(24):2673-9.
647. Care HPH. Electronic Support for Public Health–Vaccine Adverse Event Reporting System (ESP:VAERS). Harvard, MA, US: Harvard Pilgrim Health Care; 2010.
648. Agency MHpR. Information for Healthcare Professionals on Pfizer/BioNTech COVID-19 vaccine [Internet ]. 2020 [updated 24 December 2020. Available from: <https://www.gov.uk/government/organisations/medicines-and-healthcare-products-regulatory-agency>].
649. Clarke DA. Adverse events following Immunisation Common and Uncommon [Power Point]. Dublin: HSE National Immunisation Office 2020 [updated Sept 2016. Available from: <https://www.hse.ie/eng/health/immunisation/hcpinfo/conference/adverseevents.pdf>].
650. Vax P. Only \$46 Million Paid To Vaccine Injured Patients During FY 2019 [Internet]. Houston, Texas: Precision Vax LLC 2020 [Available from: <https://www.precisionvaccinations.com/total-payments-vaccine-injury-petitioners-reached-403-billion-dollars-november-30-2018>].
651. Facts AK. Asthma Key Facts: WHO; [Available from: <http://www.who.int/news-room/fact-sheets/detail/asthma>].
652. Rosenlund H, Bergstrom A, Alm JS, Swartz J, Scheynius A, van Hage M, et al. Allergic disease and atopic sensitization in children in relation to measles vaccination and measles infection. *Pediatrics*. 2009;123(3):771-8.
653. Source Pediatrics M. Measles may protect kids against allergies. *Reuters Health* 2009 Mar 04.
654. Anthony R. Mawson<sup>1</sup> BDR, Azad R. Bhuiyan, Binu Jacob. Vaccination and Health Outcomes: A Survey of 6- to 12-year-old Vaccinated and Unvaccinated Children based on Mothers' Frontiers in Public Health. 2016;4(270).
655. Hooker BS, Miller NZ. Analysis of health outcomes in vaccinated and unvaccinated children: Developmental delays, asthma, ear infections and gastrointestinal disorders. *SAGE Open Med*. 2020;8:2050312120925344.
656. Miller BSHaNZ. Health effects in vaccinated versus unvaccinated children, with covariates for breastfeeding status and type of birth. *Journal of Translational Science*. 2020;7:1-11.
657. ACAAI. Patients With Vaccine Allergy May Be Safely Vaccinated Following New Guidelines Arlington Heights, Illinois, United States: American College of Allergy, Asthma & Immunology; 2020 [Available from: <https://acaai.org/news/patients-vaccine-allergy-may-be-safely-vaccinated-following-new->



[guidelines#:~:text=Allergic%2C%20or%20IgE%2Dmediated%20reactions,plungers\)%2C%20neomycin%20and%20thimerosal.](#)

658. Richet C. Nobel Lecture Stockholm, Sweden: Nobel Prize outreach activities; 1913 Dec 11 [Available from: <https://www.nobelprize.org/prizes/medicine/1913/richet/lecture/>].
659. McNeil MM, Weintraub ES, Duffy J, Sukumaran L, Jacobsen SJ, Klein NP, et al. Risk of anaphylaxis after vaccination in children and adults. *The Journal of allergy and clinical immunology*. 2016;137(3):868-78.
660. IOM. Adverse effects of vaccines: Evidence and causality. Washington, DC, US: The National Academies Press.; 2012.
661. Wasserman S, Bégin P, Watson W. IgE-mediated food allergy. *Allergy Asthma Clin Immunol*. 2018;14(Suppl 2):55.
662. Tang ML, Mullins RJ. Food allergy: is prevalence increasing? *Internal medicine journal*. 2017;47(3):256-61.
663. Cummings S. Natasha Ednan-Laperouse. Courts and Tribunals Judiciary of England and Wales; 2018.
664. Society RP. Coroner calls on MHRA to take action over 'inherently unsafe' EpiPen. *The Pharmaceutical Journal*. 2018 Oct 12.
665. Shoenfeld Y, Aron-Maor A. Vaccination and autoimmunity-'vaccinosis': a dangerous liaison? *J Autoimmun*. 2000;14(1):1-10.
666. Maria Vadalà DP, Carmen Laurino and Beniamino Palmieri. Vaccination and autoimmune diseases: is prevention of adverse health effects on the horizon? *EPMA J*. 2017 Sept 08;8(3): 295–311.
667. Segal Y, Shoenfeld Y. Vaccine-induced autoimmunity: the role of molecular mimicry and immune crossreaction. *Cell Mol Immunol*. 2018;15(6):586-94.
668. Guimaraes LE, Baker B, Perricone C, Shoenfeld Y. Vaccines, adjuvants and autoimmunity. *Pharmacological research*. 2015;100:190-209.
669. Perdan-Pirkmajer K, Thallinger GG, Snoj N, Čučnik S, Žigon P, Kveder T, et al. Autoimmune response following influenza vaccination in patients with autoimmune inflammatory rheumatic disease. *Lupus*. 2012;21(2):175-83.
670. Babazadeh A, Mohseni Afshar Z, Javanian M, Mohammadnia-Afrouzi M, Karkhah A, Masrour-Roudsari J, et al. Influenza Vaccination and Guillain-Barré Syndrome: Reality or Fear. *J Transl Int Med*. 2019;7(4):137-42.
671. Le Houézec D. Evolution of multiple sclerosis in France since the beginning of hepatitis B vaccination. *Immunologic research*. 2014;60(2-3):219-25.
672. Barateau L, Liblau R, Peyron C, Dauvilliers Y. Narcolepsy Type 1 as an Autoimmune Disorder: Evidence, and Implications for Pharmacological Treatment. *CNS Drugs*. 2017;31(10):821-34.
673. Sarkanen T, Alakuijala A, Julkunen I, Partinen M. Narcolepsy Associated with Pandemrix Vaccine. *Curr Neurol Neurosci Rep*. 2018;18(7):43.
674. Palmieri B, Poddighe D, Vadalà M, Laurino C, Carnovale C, Clementi E. Severe somatoform and dysautonomic syndromes after HPV vaccination: case series and review of literature. *Immunologic research*. 2017;65(1):106-16.
675. Zafirir Y, Agmon-Levin N, Paz Z, Shilton T, Shoenfeld Y. Autoimmunity following hepatitis B vaccine as part of the spectrum of 'Autoimmune (Auto-inflammatory) Syndrome induced by Adjuvants' (ASIA): analysis of 93 cases. *Lupus*. 2012;21(2):146-52.
676. Baxter R, Lewis E, Goddard K, Fireman B, Bakshi N, DeStefano F, et al. Acute Demyelinating Events Following Vaccines: A Case-Centered Analysis. *Clinical Infectious Diseases*. 2016;63(11):1456-62.
677. Karussis D, Petrou P. The Spectrum Of Post Vaccination Inflammatory Cns Demyelinating Syndromes. *Autoimmunity reviews*. 2013;13.
678. Watad A, David P, Brown S, Shoenfeld Y. Autoimmune/Inflammatory Syndrome Induced by Adjuvants and Thyroid Autoimmunity. *Frontiers in endocrinology*. 2017;7:150-.
679. Moyer MW. Vaccines Are Pushing Pathogens to Evolve. *Quanta*. 2018 May 10.

680. Restif O, Grenfell BT. Vaccination and the dynamics of immune evasion. *Journal of the Royal Society, Interface*. 2007;4(12):143-53.
681. He C, Nomura F, Itoga S, Isobe K, Nakai T. Prevalence of vaccine-induced escape mutants of hepatitis B virus in the adult population in China: a prospective study in 176 restaurant employees. *Journal of gastroenterology and hepatology*. 2001;16(12):1373-7.
682. Weinberger DM, Malley R, Lipsitch M. Serotype replacement in disease after pneumococcal vaccination. *Lancet (London, England)*. 2011;378(9807):1962-73.
683. Torjesen I. Pneumococcal vaccine reduces antibiotic resistant infections in children by 62%. *The Pharmaceutical Journal*. 2014 Oct 14.
684. Obolski U, Lourenço J, Thompson C, Thompson R, Gori A, Gupta S. Vaccination can drive an increase in frequencies of antibiotic resistance among nonvaccine serotypes of *Streptococcus pneumoniae*. *Proceedings of the National Academy of Sciences*. 2018;115(12):3102.
685. Kaur R, Pham M, Yu KOA, Pichichero ME. Rising Pneumococcal Antibiotic Resistance in the Post-13-Valent Pneumococcal Conjugate Vaccine Era in Pediatric Isolates From a Primary Care Setting. *Clinical Infectious Diseases*. 2020;72(5):797-805.
686. retired DVSPsa. Speeding new antibiotics to market: a fake fix? *BMJ*. 2015.
687. Black S, Shinefield H, Baxter R, Austrian R, Elvin L, Hansen J, et al. Impact of the use of heptavalent pneumococcal conjugate vaccine on disease epidemiology in children and adults. *Vaccine*. 2006;24 Suppl 2:S2-79-80.
688. Kaur R, Pham M, Yu KOA, Pichichero ME. Rising Pneumococcal Antibiotic Resistance in the Post-13-Valent Pneumococcal Conjugate Vaccine Era in Pediatric Isolates From a Primary Care Setting. *Clinical Infectious Diseases*. 2020.
689. van Werkhoven CH, Bolkenbaas M, Huijts SM, Verheij TJM, Bonten MJM. Effects of 13-valent pneumococcal conjugate vaccination of adults on lower respiratory tract infections and antibiotic use in primary care: secondary analysis of a double-blind randomized placebo-controlled study. *Clinical Microbiology and Infection*.
690. O'Neill J. Antimicrobial Resistance: Tackling a crisis for the health and wealth of nations. 2014.
691. Dong X, Milholland B, Vijg J. Evidence for a limit to human lifespan. *Nature*. 2016;538:257.
692. Denney JT, McNowen R, Rogers RG, Doubilet S. Stagnating Life Expectancies and Future Prospects in an Age of Uncertainty\*. *Social science quarterly*. 2013;94(2):445-61.
693. Makary MA, Daniel, Michael. Medical error—the third leading cause of death in the US. *BMJ*. 2016;353.
694. Base TMPK. Incidence and prevalence of chronic disease 2018 [updated 2017 Aug 22. Available from: <https://mpkb.org/home/pathogenesis/epidemiology>.
695. Gowshall M, Taylor-Robinson SD. The increasing prevalence of non-communicable diseases in low-middle income countries: the view from Malawi. *Int J Gen Med*. 2018;11:255-64.
696. Lerner A, Jeremias P, Matthias TJJoCD. The World Incidence and Prevalence of Autoimmune Diseases is Increasing. 2015;3(4):151-5.
697. AARDA. How many Americans have an autoimmune disease? [Internet]. American Autoimmune Related Diseases Association 2018 [updated 2017 Apr 29. Available from: <https://www.aarda.org/knowledge-base/many-americans-autoimmune-disease/>.
698. Walsh SJ, Rau LM. Autoimmune diseases: a leading cause of death among young and middle-aged women in the United States. *American journal of public health*. 2000;90(9):1463-6.
699. Prevention NRCUDoHPaD. Vaccines: Past, Present, and Future. Vaccine Supply and Innovation 2. Washington, DC, US: National Academies Press; 1985.
700. Bello OAaM. Systemic Autoimmune Diseases: Not So Rare in Black Africans. *Rheumatology* 2014;4(130).
701. Miller GF, Coffield E, Leroy Z, Wallin R. Prevalence and Costs of Five Chronic Conditions in Children. *J Sch Nurs*. 2016;32(5):357-64.

702. CDC. Data & Statistics on Autism Spectrum Disorder 2019 [Available from: <https://www.cdc.gov/ncbddd/autism/data.html>].
703. Qato DM, Alexander GC, Guadamuz JS, Lindau ST. Prescription Medication Use Among Children and Adolescents in the United States. *Pediatrics*. 2018;142(3).
704. Motosue MS, Bellolio MF, Van Houten HK, Shah ND, Campbell RL. Increasing Emergency Department Visits for Anaphylaxis, 2005-2014. *J Allergy Clin Immunol Pract*. 2017;5(1):171-5.e3.
705. Jackson KD, Howie LD, Akinbami LJ. Trends in allergic conditions among children: United States, 1997-2011. *NCHS Data Brief*. 2013(121):1-8.
706. WHO. Measles 2019 [updated 9 May 2019].
707. Masoli M, Fabian D, Holt S, Beasley R. The global burden of asthma: executive summary of the GINA Dissemination Committee report. *Allergy*. 2004;59(5):469-78.
708. Loftus PA, Wise SK. Epidemiology of asthma. Current opinion in otolaryngology & head and neck surgery. 2016;24(3):245-9.
709. America. AaAFo. <https://www.aafa.org/asthma-facts/> 2019 [Available from: <https://www.aafa.org/asthma-facts/>].
710. Gale EAM. The Rise of Childhood Type 1 Diabetes in the 20th Century. 2002;51(12):3353-61.
711. Streisand R, Monaghan M. Young children with type 1 diabetes: challenges, research, and future directions. *Curr Diab Rep*. 2014;14(9):520-.
712. Molodecky NA, Soon IS, Rabi DM, Ghali WA, Ferris M, Chernoff G, et al. Increasing incidence and prevalence of the inflammatory bowel diseases with time, based on systematic review. *Gastroenterology*. 2012;142(1):46-54.e42; quiz e30.
713. Kang JY, Kang AH, Green A, Gwee KA, Ho KY. Systematic review: worldwide variation in the frequency of coeliac disease and changes over time. *Alimentary pharmacology & therapeutics*. 2013;38(3):226-45.
714. Laass MW, Schmitz R, Uhlig HH, Zimmer K-P, Thamm M, Koletzko S. The prevalence of celiac disease in children and adolescents in Germany. *Deutsches Arzteblatt international*. 2015;112(33-34):553-60.
715. Foeldvari I. Juvenile Scleroderma: Staying One Step Ahead of a Rare Disease: *Healio Rheumatology*, ; 2016 [Available from: <https://www.healio.com/rheumatology/scleroderma/news/print/healio-rheumatology/%7Bddbce1c8-0777-4d78-9325-91d6e0ed972f%7D/juvenile-scleroderma-staying-one-step-ahead-of-a-rare-disease>].
716. Torok KS. Pediatric scleroderma: systemic or localized forms. *Pediatr Clin North Am*. 2012;59(2):381-405.
717. Levy DM, Kamphuis S. Systemic lupus erythematosus in children and adolescents. *Pediatr Clin North Am*. 2012;59(2):345-64.
718. Barut K, Adrovic A, Şahin S, Kasapçopur Ö. Juvenile Idiopathic Arthritis. *Balkan Med J*. 2017;34(2):90-101.
719. Harrold LR, Salman C, Shoor S, Curtis JR, Asgari MM, Gelfand JM, et al. Incidence and prevalence of juvenile idiopathic arthritis among children in a managed care population, 1996-2009. *J Rheumatol*. 2013;40(7):1218-25.
720. NCATS NCFATS. Pediatric autoimmune neuropsychiatric disorders associated with Streptococcus infections: Genetic and Rare Diseases Information Center (GARD); [Available from: <https://rarediseases.info.nih.gov/diseases/7312/pediatric-autoimmune-neuropsychiatric-disorders-associated-with-streptococcus-infections>].
721. CDC. Historical Vaccine Safety Concerns [Internet]. Atlanta, Georgia, U.S. : U.S. Department of Health & Human Services; 2021 [Available from: <https://www.cdc.gov/vaccinesafety/concerns/concerns-history.html>].
722. Fitzpatrick M. The Cutter Incident: How America's First Polio Vaccine Led to a Growing Vaccine Crisis. *Journal of the Royal Society of Medicine*. 2006;99(3):156-.
723. Hinman AR. DTP vaccine litigation. *Am J Dis Child*. 1986;140(6):528-30.

724. Martini F, Corallini A, Balatti V, Sabbioni S, Pancaldi C, Tognon M. Simian virus 40 in humans. *Infect Agent Cancer*. 2007;2:13.
725. Kulenkampff M, Schwartzman JS, Wilson J. Neurological complications of pertussis inoculation. *Arch Dis Child*. 1974;49(1):46-9.
726. Stewart GT. Toxicity of pertussis vaccine: frequency and probability of reactions. *J Epidemiol Community Health*. 1979;33(2):150-6.
727. Beghi E, Kurland LT, Mulder DW, Wiederholt WC. Guillain-Barré syndrome. Clinicoepidemiologic features and effect of influenza vaccine. *Arch Neurol*. 1985;42(11):1053-7.
728. Velentgas P, Amato AA, Bohn RL, Chan KA, Cochrane T, Funch DP, et al. Risk of Guillain-Barré syndrome after meningococcal conjugate vaccination. *Pharmacoepidemiol Drug Saf*. 2012;21(12):1350-8.
729. Program NVIC. Vaccine Injury Table. Washington DC, US: Federal Register; 2017.
730. Ascherio A, Zhang SM, Hernán MA, Olek MJ, Coplan PM, Brodovicz K, et al. Hepatitis B vaccination and the risk of multiple sclerosis. *N Engl J Med*. 2001;344(5):327-32.
731. Bower H. Link with bowel disease fuels controversy over vaccine. *BMJ*. 1998;316(7133):723.
732. Wakefield AJ, Murch SH, Anthony A, Linnell J, Casson DM, Malik M, et al. RETRACTED: Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children. *The Lancet*. 1998;351(9103):637-41.
733. (ICIS) ICIS. UK withdraws two leading MMR vaccines London, UK: LexisNexis Risk Solutions Group; 2021 [Available from: <https://www.icis.com/explore/resources/news/1992/09/21/23120/uk-withdraws-two-leading-mmr-vaccines/>].
734. Editors PT. Merck recalls MMR vaccines from the US Gent, Belgium: Pharmaceutical Technology; 2012 Jun 25 [Available from: <https://www.pharmaceutical-technology.com/uncategorised/newsmerck-recalls-mmr-vaccines-from-the-us/>].
735. Development CfG. 5 million doses of MMR vaccine for developing countries recalled [Interent]. Washington, D.C., United States: Center for Global Development; 2006 Mar 19 [Available from: <https://www.cgdev.org/blog/5-million-doses-mmr-vaccine-developing-countries-recalled>].
736. Desk N. Chiron pulls MMR vaccine and trims 2005 earnings Surrey, Kent, UK: Pharma Times; 2006 [Available from: [http://www.pharmatimes.com/news/chiron\\_pulls\\_mmr\\_vaccine\\_and\\_trims\\_2005\\_earnings\\_99538\\_1#:~:text=Chiron%20has%20withdrawn%20a%20vaccine,adverse%20events%20than%20rival%20vaccines.&text=No%20other%20vaccines%20were%20affected%20by%20the%20recall%2C%20it%20s aid](http://www.pharmatimes.com/news/chiron_pulls_mmr_vaccine_and_trims_2005_earnings_99538_1#:~:text=Chiron%20has%20withdrawn%20a%20vaccine,adverse%20events%20than%20rival%20vaccines.&text=No%20other%20vaccines%20were%20affected%20by%20the%20recall%2C%20it%20s aid)].
737. Nigrovic LE, Thompson KM. The Lyme vaccine: a cautionary tale. *Epidemiology and infection*. 2007;135(1):1-8.
738. Delage G. Rotavirus vaccine withdrawal in the United states; the role of postmarketing surveillance. *Can J Infect Dis*. 2000;11(1):10-2.
739. Chen C. Rebellion against the polio vaccine in Nigeria: implications for humanitarian policy. *Afr Health Sci*. 2004;4(3):205-7.
740. Desk N. Sterilising young girls and women against their will is a serious crime. *Irish Independent* 2014 Nov 24.
741. Huang WT, Chang S, Miller ER, Woo EJ, Hoffmaster AR, Gee JE, et al. Safety assessment of recalled Haemophilus influenzae type b (Hib) conjugate vaccines--United States, 2007-2008. *Pharmacoepidemiol Drug Saf*. 2010;19(3):306-10.
742. Han HH, Karkada N, Jayadeva G, Dubin G. Serologic response to porcine circovirus type 1 (PCV1) in infants vaccinated with the human rotavirus vaccine, Rotarix™: A retrospective laboratory analysis. *Hum Vaccin Immunother*. 2017;13(1):237-44.
743. Typhoid vaccine failure warning [press release]. 2012.
744. CDC. Voluntary Recall of One Lot of Gardasil HPV Vaccine Atlanta, Georgia, United States: U.S. Department of Health & Human Services; 2013 Dec 20 [Available from: <https://www.cdc.gov/media/releases/2013/s1220-gardasil-vaccine.html>].

745. Tomljenovic L, Colafrancesco S, Perricone C, Shoenfeld Y. Postural Orthostatic Tachycardia With Chronic Fatigue After HPV Vaccination as Part of the "Autoimmune/Auto-inflammatory Syndrome Induced by Adjuvants": Case Report and Literature Review. *J Investig Med High Impact Case Rep.* 2014;2(1):2324709614527812.
746. Ward D, Thorsen NM, Frisch M, Valentiner-Branth P, Mølbak K, Hviid A. A cluster analysis of serious adverse event reports after human papillomavirus (HPV) vaccination in Danish girls and young women, September 2009 to August 2017. *Euro Surveill.* 2019;24(19).
747. Fatima K, Syed NI. Dengvaxia controversy: impact on vaccine hesitancy. *Journal of global health.* 2018;8(2):010312-.
748. Verstraeten T, Cohet C, Dos Santos G, Ferreira GL, Bollaerts K, Bauchau V, et al. Pandemrix™ and narcolepsy: A critical appraisal of the observational studies. *Human vaccines & immunotherapeutics.* 2016;12(1):187-93.
749. Sample I. Ministers lose fight to stop payouts over swine flu jab narcolepsy cases. *Guardian* 2017 Feb 09.
750. Doshi P. Pandemrix vaccine: why was the public not told of early warning signs? *BMJ.* 2018;362:k3948.
751. Desk N. How a wrong injection helped cause Samoa's measles epidemic [Internet]. London, UK: BBC Global News Ltd; 2019 [Available from: <https://www.bbc.com/news/world-asia-50625680>].
752. CDC. Deaths in South Korea Following Flu Vaccination [Internet]. Washington D.C.: U.S. Department of Health & Human Services; 2020 [Available from: <https://www.cdc.gov/flu/spotlights/2020-2021/death-south-korea-following-flu-vaccination.htm>].
753. Desk BN. South Korea flu jab: Investigation into 13 deaths after vaccine London, UK: BBC News; 2021 [Available from: <https://www.bbc.com/news/world-asia-54641117>].
754. Yonhap. No. of deaths after flu shots at 108. *Korean Herald.* 2020 Oct 23.
755. Desk N. Korea Vaccine recalls 615,000 doses of flu vaccines Seoul, South Korea: Yonhap News Agency; 2020 Oct. 09 [Available from: <https://en.yna.co.kr/view/AEN20201009004600320>].
756. Szebeni J. Complement activation-related pseudoallergy: a new class of drug-induced acute immune toxicity. *Toxicology.* 2005;216(2-3):106-21.
757. Desk N. Nova Scotia recalls some flu vaccines after 3 'adverse events' in New Brunswick: Canadian Broadcasting Corporation; 2020 Nov 16 [Available from: <https://www.cbc.ca/news/canada/nova-scotia/nova-scotia-recalls-some-flu-vaccines-after-3-adverse-events-in-new-brunswick-1.5803774>].
758. McNamara A. Multiple vaccine doses could be necessary to protect from coronavirus, Bill Gates says [Internet]. New York, New York, United States: CBS News; 2020 Jul. 23 [Available from: <https://www.cbsnews.com/news/coronavirus-vaccine-bill-gates-multiple-doses/>].
759. YouTube. Caught on camera! W.H.O admits vaccines are not safe. In: Walter R, editor. 2021.
760. Biko S. The most potent weapon of the oppressor, is the mind of the oppressed Brainy Quote; 2021 [Available from: [https://www.brainyquote.com/quotes/steven\\_biko\\_177008](https://www.brainyquote.com/quotes/steven_biko_177008)].
761. Ohsaki M, Tsutsumi H, Takeuchi R, Kuniya Y, Chiba S. Reduced passive measles immunity in infants of mothers who have not been exposed to measles outbreaks. *Scandinavian journal of infectious diseases.* 1999;31(1):17-9.
762. Yang L, Grenfell BT, Mina MJ. Waning immunity and re-emergence of measles and mumps in the vaccine era. *Current Opinion in Virology.* 2020;40:48-54.
763. Bonanni P, Gershon A, Gershon M, Kulcsár A, Papaevangelou V, Rentier B, et al. Primary Versus Secondary Failure After Varicella Vaccination: Implications for Interval Between 2 Doses. 2013;32(7):e305-e13.
764. Andrew MK, McElhaney JE. Age and frailty in COVID-19 vaccine development. *The Lancet.* 2020;396(10267):1942-4.
765. Verhees RAF, Dondorp W, Thijs C, Dinant GJ, Knottnerus JA. Influenza vaccination in the elderly: Is a trial on mortality ethically acceptable? *Vaccine.* 2018;36(21):2991-7.



766. Simonsen L, Taylor RJ, Viboud C, Miller MA, Jackson LA. Mortality benefits of influenza vaccination in elderly people: an ongoing controversy. *Lancet Infect Dis.* 2007;7(10):658-66.
767. Skowronski DM, Chambers C, De Serres G. Selection Bias in the Assessment of Frailty and Its Role in Influenza Vaccine Effectiveness Evaluation Among Elderly Adults. *The Journal of infectious diseases.* 2017;217(1):168-.
768. Boraschi D, Italiani P. Immunosenescence and vaccine failure in the elderly: strategies for improving response. *Immunol Lett.* 2014;162(1 Pt B):346-53.
769. CDC. Adjuvanted Flu Vaccine Washington, DC, United States: U.S. Department of Health & Human Services; 2021 [Available from: <https://www.cdc.gov/flu/prevent/adjuvant.htm>.
770. Hwang SM, Kim HL, Min KW, Kim M, Lim JS, Choi JM, et al. Comparison of the adverse events associated with MF59-adjuvanted and non-adjuvanted H1N1 vaccines in healthy young male Korean soldiers. *Japanese journal of infectious diseases.* 2012;65(3):193-7.
771. Allies S. Shark Squalene in a COVID-19 Vaccine? : Shark Allies; 2021 [Available from: <https://www.sharkallies.com/shark-free-products/could-squalene-end-up-in-a-covid-19-vaccine>.
772. Robertson CA, DiazGranados CA, Decker MD, Chit A, Mercer M, Greenberg DP. Fluzone® High-Dose Influenza Vaccine. Expert review of vaccines. 2016;15(12):1495-505.
773. Xu L, Xiang J, Liu Y, Xu J, Luo Y, Feng L, et al. Functionalized graphene oxide serves as a novel vaccine nano-adjuvant for robust stimulation of cellular immunity. *Nanoscale.* 2016;8(6):3785-95.
774. Park HL, Shim SH, Lee EY, Cho W, Park S, Jeon HJ, et al. Obesity-induced chronic inflammation is associated with the reduced efficacy of influenza vaccine. *Hum Vaccin Immunother.* 2014;10(5):1181-6.
775. Wiedermann U, Garner-Spitzer E, Wagner A. Primary vaccine failure to routine vaccines: Why and what to do? *Hum Vaccin Immunother.* 2016;12(1):239-43.
776. Heilmann C, Grandjean P, Weihe P, Nielsen F, Budtz-Jørgensen E. Reduced Antibody Responses to Vaccinations in Children Exposed to Polychlorinated Biphenyls. *PLOS Medicine.* 2006;3(8):e311.
777. Granum B, Haug LS, Namork E, Stølevik SB, Thomsen C, Aaberge IS, et al. Pre-natal exposure to perfluoroalkyl substances may be associated with altered vaccine antibody levels and immune-related health outcomes in early childhood. *Journal of Immunotoxicology.* 2013;10(4):373-9.
778. Grandjean P, Heilmann C, Weihe P, Nielsen F, Mogensen UB, Timmermann A, et al. Estimated exposures to perfluorinated compounds in infancy predict attenuated vaccine antibody concentrations at age 5-years. *Journal of immunotoxicology.* 2017;14(1):188-95.
779. Grandjean P, Timmermann CAG, Kruse M, Nielsen F, Vinholt PJ, Boding L, et al. Severity of COVID-19 at elevated exposure to perfluorinated alkylates. *medRxiv.* 2020:2020.10.22.20217562.
780. Pumarega J, Gasull M, Lee D-H, López T, Porta M. Number of Persistent Organic Pollutants Detected at High Concentrations in Blood Samples of the United States Population. *PLOS ONE.* 2016;11(8):e0160432.
781. Jacobson RM, Poland GA. The genetic basis for measles vaccine failure. *Acta paediatrica (Oslo, Norway : 1992) Supplement.* 2004;93(445):43-6; discussion 6-7.
782. Breakwell L, Moturi E, Helgenberger L, Gopalani SV, Hales C, Lam E, et al. Measles Outbreak Associated with Vaccine Failure in Adults--Federated States of Micronesia, February-August 2014. *MMWR Morbidity and mortality weekly report.* 2015;64(38):1088-92.
783. Commons Ho. Research integrity: clinical trials transparency. House of Commons Science and Technology Committee 2018 23 Oct
784. Committee CS. Failing to publish data from clinical trials presents risk to human health. 2018 Oct 30.
785. WHO. WHO Statement on Public Disclosure of Clinical Trial Results 2019 [Available from: <https://www.who.int/ictpr/results/reporting/en/>.
786. WHO. Tracking time to publication of results of vaccine clinical trials for infectious diseases 2018 Jul [Available from: [https://www.who.int/research-observatory/benchmarking/vaccine\\_trial\\_tracker/en/](https://www.who.int/research-observatory/benchmarking/vaccine_trial_tracker/en/).

787. Schott G, Pacht H, Limbach U, Gundert-Remy U, Lieb K, Ludwig W-D. The financing of drug trials by pharmaceutical companies and its consequences: part 2: a qualitative, systematic review of the literature on possible influences on authorship, access to trial data, and trial registration and publication. *Deutsches Arzteblatt international*. 2010;107(17):295-301.
788. Mlinarić A, Horvat M, Šupak Smolčić V. Dealing with the positive publication bias: Why you should really publish your negative results. *Biochemia medica*. 2017;27(3):030201-.
789. Chen R, Desai NR, Ross JS, Zhang W, Chau KH, Wayda B, et al. Publication and reporting of clinical trial results: cross sectional analysis across academic medical centers. 2016;352:i637.
790. Albert MR, Ostheimer KG, Breman JG. The Last Smallpox Epidemic in Boston and the Vaccination Controversy, 1901–1903. *New England Journal of Medicine*. 2001;344(5):375-9.
791. Luxemburg R. Those who do not move, do not notice their chains: Brainy Quote; 2021 [Available from: [https://www.brainyquote.com/quotes/rosa\\_luxemburg\\_173187](https://www.brainyquote.com/quotes/rosa_luxemburg_173187)].
792. Kresge RLaN. Moderna Wants to Transform the Body Into a Vaccine-Making Machine New York, New York, United States: Michael Bloomberg; 2021 [Available from: <https://www.bloomberg.com/features/2020-moderna-biontech-covid-shot/>].
793. Moderna. mRNA Platform: Enabling Drug Discovery & Development Massachusetts, United States: Moderna; 2021 [Available from: <https://www.modernatx.com/mrna-technology/mrna-platform-enabling-drug-discovery-development>].
794. ClinicalTrials.gov. Study to Describe the Safety, Tolerability, Immunogenicity, and Efficacy of RNA Vaccine Candidates Against COVID-19 in Healthy Individuals Bethesda, Maryland: U.S. National Library of Medicine 2021 [Available from: <https://clinicaltrials.gov/ct2/show/NCT04368728>].
795. Umscheid CA, Margolis DJ, Grossman CE. Key concepts of clinical trials: a narrative review. *Postgrad Med*. 2011;123(5):194-204.
796. O'Callaghan KP, Blatz AM, Offit PA. Developing a SARS-CoV-2 Vaccine at Warp Speed. *Jama*. 2020;324(5):437-8.
797. Burke-Kennedy E. Irish pharma group Icon carried out trial of Pfizer-BioNTech vaccine. *The Irish Times*. 2021 Jan 24.
798. Deb B, Shah H, Goel S. Current global vaccine and drug efforts against COVID-19: Pros and cons of bypassing animal trials. *Journal of Biosciences*. 2020;45(1):82.
799. Schraer R. Coronavirus vaccine: Macaque monkey trial offers hope London: BBC News; 2020 May 15 [Available from: <https://www.bbc.com/news/health-52674739>].
800. Pfizer. Pfizer and BioNTech Announce Data From Preclinical Studies of mRNA-Based Vaccine Candidate Against COVID-19 New York, United States: Pfizer; 2020 [Available from: <https://www.globenewswire.com/fr/news-release/2020/09/09/2090812/0/en/Pfizer-and-BioNTech-Announce-Data-From-Preclinical-Studies-of-mRNA-Based-Vaccine-Candidate-Against-COVID-19.html>].
801. Haseltine WA. Did The Oxford Covid Vaccine Work In Monkeys? Not Really. *Forbes*. 2020 May 16.
802. Desk N. Moderna Vaccine Test in Monkeys Shows Promise. *The New York Times*. 2020 Jul. 28
803. Pandey M. Vaccine doctors on TikTok: 'Come for the fun, stay for the science' [Internet ]. London: BBC News; 2020 Dec 16 [updated Dec 16 2020. Available from: <https://www.bbc.com/news/newsbeat-55249405>].
804. FDA. Emergency Use Authorization for Vaccines to Prevent COVID-19. Maryland,US: U.S. Department of Health and Human Services Center for Biologics Evaluation and Research CBER 2021.
805. VRBPAC. Vaccines and Related Biological Products Advisory Committee Meeting Maryland, US: FDA; 2020 Dec 10 [Available from: <https://www.fda.gov/media/144245/download>].
806. Lenzer J. Covid-19: Should vaccine trials be unblinded? *BMJ*. 2020;371:m4956.
807. Rubin R. The Price of Success—How to Evaluate COVID-19 Vaccines When They're Available Outside of Clinical Trials. *Jama*. 2021;325(10):918-21.
808. Branswell H. FDA shows signs of cold feet over emergency authorization of Covid-19 vaccines Boston, Massachusetts, USA: Boston Globe Media; 2020 Oct 23 [

809. Zimmer JGaC. The Virus Won't Stop Evolving When the Vaccine Arrives. New York Times. 2020 Nov 27 Dec. 2, 2020.
810. Safety IfV. Excipients in Vaccines per 0.5 mL dose Baltimore, Maryland, United States: The Johns Hopkins Bloomberg School of Public Health; 2021 [Available from: <https://www.vaccinesafety.edu/components-Excipients.htm>.
811. FDA. Vaccine Excipient Summary. Maryland, United States: FDA; 2020 Feb.
812. Rinaldi M, Perricone C, Ortega-Hernandez OD, Perricone R, Shoenfeld Y. Immune thrombocytopaenic purpura: an autoimmune cross-link between infections and vaccines. *Lupus*. 2014;23(6):554-67.
813. Vera-Lastra O, Medina G, Cruz-Dominguez Mdel P, Jara LJ, Shoenfeld Y. Autoimmune/inflammatory syndrome induced by adjuvants (Shoenfeld's syndrome): clinical and immunological spectrum. *Expert Rev Clin Immunol*. 2013;9(4):361-73.
814. War IoMUCoHEAwEDtG. Depleted Uranium, Sarin, Pyridostigmine Bromide, Vaccines. In: Fulco CE LC, Sox HC., editor. *Gulf War and Health*. 1. Washington (DC): National Academies Press (US) I; 2000.
815. Israeli E. Gulf War syndrome as a part of the autoimmune (autoinflammatory) syndrome induced by adjuvant (ASIA). *Lupus*. 2012;21(2):190-4.
816. EMEA. Annex I: Summary of Product Characteristics. Amsterdam, Netherlands: The European Medicines Agency (EMA); 2021.
817. Arvidsson R, Boholm M, Johansson M, de Montoya ML. "Just Carbon": Ideas About Graphene Risks by Graphene Researchers and Innovation Advisors. *Nanoethics*. 2018;12(3):199-210.
818. Srivastava AK, Dwivedi N, Dhand C, Khan R, Sathish N, Gupta MK, et al. Potential of graphene-based materials to combat COVID-19: properties, perspectives, and prospects. *Mater Today Chem*. 2020;18:100385.
819. Wang X, Cao F, Yan M, Liu Y, Zhu X, Sun H, et al. Alum-functionalized graphene oxide nanocomplexes for effective anticancer vaccination. *Acta Biomater*. 2019;83:390-9.
820. Niu M, Wang H, Li J, Chen H, Li L, Yang H, et al. Polyethylene glycol grafted with carboxylated graphene oxide as a novel interface modifier for polylactic acid/graphene nanocomposites. *Royal Society Open Science*. 2020;7(7):192154.
821. Gatti A, Montanari S. New Quality-Control Investigations on Vaccines: Micro- and Nanocontamination. *Journal of Vaccines and Vaccination*. 2017;4.
822. Moderna US I. Emergency Use Authorization (EUA) of the Moderna COVID-19 Vaccine to Prevent Coronavirus Disease 2019 (COVID-19) in Individual 18 years of Age and Older. Cambridge, MA, US; 2021.
823. Cayman. SM-102 for Research Use Only (RUO) Ann Arbor, MI, United States Cayman Chemical Company, Inc. (Cayman); 2021 [Available from: <https://www.caymanchem.com/news/sm-102-statement>.
824. Agency MHpR. Information for UK recipients on COVID 19 Vaccine AstraZeneca: MHRA; 2021 [Available from: <https://www.gov.uk/government/publications/regulatory-approval-of-covid-19-vaccine-astrazeneca/information-for-uk-recipients-on-covid-19-vaccine-astrazeneca>.
825. Janssen. Emergency Use Authorization (EUA) of the Janssen COVID-19 Vaccine to Prevent Coronavirus Disease 2019 (COVID-19) in Individual 18 years of Age and Older. Cor, Ireland: Janssen Pharmaceutical Companies; 2021.
826. CDC. Understanding and Explaining mRNA COVID-19 Vaccines Washington DC: U.S. Department of Health & Human Services; 2020 [Available from: <https://www.cdc.gov/vaccines/covid-19/hcp/mrna-vaccine-basics.html>.
827. Desk N. Vaccines: 740 reports of suspected side-effects have been sent to the health products regulator Dublin, Ireland: The Journal.ie; 2021 Feb 04 [Available from: <https://www.thejournal.ie/suspected-side-effects-reported-vaccine-5345816-Feb2021/>.
828. HPRA. HPRA Safety Update. Dublin, Ireland: Health Products Regulatory Authority (HPRA); 2021 Apr 22.

829. Desh N. Government working to establish vaccination injury compensation scheme Dublin, Ireland: BreakingNews.ie; 2021 [Available from: <https://www.breakingnews.ie/ireland/government-working-to-establish-compensation-scheme-for-vaccination-injury-1170830.html>].
830. (TED) TED. Supplies - 506291-2020 EU: Supplement to the Official Journal of the EU; 2020 [Available from: <https://ted.europa.eu/udl?uri=TED:NOTICE:506291-2020:TEXT:EN:HTML&src=0>].
831. Government U. COVID-19 vaccine AstraZeneca analysis print. London, UK: GOV.UK; 2021 Mar 21.
832. MHRA. Coronavirus vaccine - weekly summary of Yellow Card reporting: The Medicines and Healthcare products Regulatory Agency; 2021 [updated Apr 08 2021. Available from: <https://www.gov.uk/government/publications/coronavirus-covid-19-vaccine-adverse-reactions/coronavirus-vaccine-summary-of-yellow-card-reporting>].
833. D'Alò GL, Zorzoli E, Capanna A, Gervasi G, Terracciano E, Zaratti L, et al. Frequently asked questions on seven rare adverse events following immunization. J Prev Med Hyg. 2017;58(1):E13-E26.
834. WHO. MODULE 3 Adverse events following immunization. Geneva, Switzerland: WHO 2020.
835. Cerpa-Cruz S, Paredes-Casillas P, Landeros Navarro E, Bernard-Medina AG, Martínez-Bonilla G, Gutiérrez-Ureña S. Adverse events following immunization with vaccines containing adjuvants. Immunol Res. 2013;56(2-3):299-303.
836. Department HaHS. National Vaccine Injury Compensation Program: Revisions to the Vaccine Injury Table Rockville, Maryland, United States: Health Resources and Services Administration (HRSA), HHS.; 2017 Jul 15 [Available from: <https://www.federalregister.gov/documents/2015/07/29/2015-17503/national-vaccine-injury-compensation-program-revisions-to-the-vaccine-injury-table>].
837. VRBPAC. Vaccines and Related Biological Products Advisory Committee Meeting. Maryland FDA; 2020 Dec 17.
838. Voysey M, Clemens SAC, Madhi SA, Weckx LY, Folegatti PM, Aley PK, et al. Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. Lancet. 2021;397(10269):99-111.
839. Baden LR, El Sahly HM, Essink B, Kotloff K, Frey S, Novak R, et al. Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine. The New England journal of medicine. 2021;384(5):403-16.
840. Jr. BL. FDA panel endorses second Covid vaccine in U.S. as Moderna wins key vote in path to emergency use Englewood Cliffs, New Jersey: CNBC News; 2020 [Available from: <https://www.cnn.com/2020/12/17/moderna-covid-vaccine-fda-panel-recommends-emergency-approval.html>].
841. Edney A. Pfizer Shot Effective, Safe, FDA Staff Says Before Meeting. Bloomberg. 2020 Dec 08.
842. VRBPAC. Vaccines and Related Biological Products Advisory Committee Meeting Maryland, US: FDA; 2021 Feb 26 [Available from: <https://www.fda.gov/media/146217/download>].
843. Mahase E. Covid-19: Johnson and Johnson vaccine trial is paused because of unexplained illness in participant. BMJ. 2020;371:m3967.
844. Singh M. Johnson & Johnson pauses Covid vaccine trial over participant's 'unexplained illness'. The Guardian. 2020 Oct 13.
845. Herper M. Johnson & Johnson Covid-19 vaccine study paused due to unexplained illness in participant. Stat. 2020 Oct 12.
846. Mahase E. Covid-19: Oxford researchers halt vaccine trial while adverse reaction is investigated. BMJ. 2020;370:m3525.
847. Team WV. South American Nation Peru has temporarily suspended the clinical trials of the Chinese COVID-19 Vaccine Sinopharm. This after Peru detected a Neurological problems in one of its test volunteer. [Internet]. Jerusalem, Israel: Essel Group; 2020 Dec. 30 [Available from: <https://www.wionews.com/videos/peru-temporarily-suspends-chinese-sinopharm-covid-19-vaccine-349454>].

848. CDC. About The Vaccine Adverse Event Reporting System (VAERS) Washington, D.C., United States: U.S. Department of Health & Human Services; 2021 [Available from: <https://wonder.cdc.gov/VAERS.html>].
849. CDC. Selected Adverse Events Reported after COVID-19 Vaccination Atlanta, Georgia, US: U.S. Department of Health & Human Services; 2021 Feb 15 [Available from: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety/adverse-events.html>].
850. (UMC) UMC. VigiAccess Geneva, Switzerland: The WHO Collaborating Centre for International Drug Monitoring; 2021 [Available from: <http://www.vigiaccess.org/>].
851. EudraVigilance. The number of individual cases identified in EudraVigilance for COVID-19 MRNA VACCINE MODERNA (CX-024414) is 14,235 (up to 13/04/2021) Amsterdam, Netherlands: European Medicines Agency; 2021 [Available from: [https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F\\_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+40983312](https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+40983312)].
852. EudraVigilance. The number of individual cases identified in EudraVigilance for TOZINAMERAN is 138,321 (up to 13/04/2021) Amsterdam, Netherlands: European Medicines Agency; 2021 [Available from: [https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F\\_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+42325700](https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+42325700)].
853. EudraVigilance. The number of individual cases identified in EudraVigilance for COVID-19 VACCINE ASTRAZENECA (CHADOX1 NCOV-19) is 163,852 (up to 13/04/2021) Amsterdam, Netherlands: European Medicines Agency; 2021 [Available from: [https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F\\_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+40995439](https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+40995439)].
854. EudraVigilance. The number of individual cases identified in EudraVigilance for COVID-19 VACCINE JANSSEN (AD26.COVS.2) is 202 (up to 13/04/2021) Amsterdam, Netherlands: European Medicines Agency; 2021 [Available from: [https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F\\_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+42287887](https://dap.ema.europa.eu/analytics/saw.dll?PortalPages&PortalPath=%2Fshared%2FPHV%20DAP%2F_portal%2FDAP&Action=Navigate&P0=1&P1=eq&P2=%22Line%20Listing%20Objects%22.%22Substance%20High%20Level%20Code%22&P3=1+42287887)].
855. Anderson J. She Hunts Viral Rumors About Real Viruses. New York Times 2020 Oct 13.
856. ONS. Coronavirus (COVID-19) Infection Survey, antibody and vaccination data, UK: 9 June 2021 Newport, Wales, UK: Office for National Statistics; 2021 Jun 09 [Available from: <https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionsurveyantibodyandvaccinationdatafortheuk/9june2021>].
857. Britton T, Ball F, Trapman P. A mathematical model reveals the influence of population heterogeneity on herd immunity to SARS-CoV-2. Science (New York, NY). 2020;369(6505):846.
858. Aguas R, Corder RM, King JG, Gonçalves G, Ferreira MU, Gomes MGM. Herd immunity thresholds for SARS-CoV-2 estimated from unfolding epidemics. medRxiv. 2020:2020.07.23.20160762.
859. CDC. Local Reactions, Systemic Reactions, Adverse Events, and Serious Adverse Events: Pfizer-BioNTech COVID-19 Vaccine [Internet]. Washington, D.C., United States: U.S. Department of Health & Human Services; 2020 [Available from: <https://www.cdc.gov/vaccines/covid-19/info-by-product/pfizer/reactogenicity.html>].
860. Petersen I, Phillips A. Three Quarters of People with SARS-CoV-2 Infection are Asymptomatic: Analysis of English Household Survey Data. Clin Epidemiol. 2020;12:1039-43.
861. HSE. What is the rate of asymptomatic carriage of COVID-19 amongst both older people [65+] and the general population? Dublin, Ireland: HSE; 2021 [Available from: <https://hselibrary.ie/what-is-the-rate-of-asymptomatic-carriage-of-covid-19-amongst-both-older->



[people-65-and-the-general-population/#:~:text=For%20COVID%2D19%2C%20data%20to,those%20observed%20for%20influenza%20infection.](#)

862. He Z, Ren L, Yang J, Guo L, Feng L, Ma C, et al. Seroprevalence and humoral immune durability of anti-SARS-CoV-2 antibodies in Wuhan, China: a longitudinal, population-level, cross-sectional study. *Lancet*. 2021;397(10279):1075-84.
863. WHO. Coronavirus disease 2019 (COVID-19) Geneva, Switzerland: WHO; 2020 Mar 06.
864. Thomas Clark M, MPH. Anaphylaxis Following m-RNA COVID-19 Vaccine Receipt. Georgia, U.S: The Advisory Committee on Immunization Practices (ACIP) 2020 Dec. 19.
865. Caroline Pailliez JA. AstraZeneca vaccine faces resistance in Europe after health workers suffer side-effects Toronto, Canada: Thomson Reuters; 2021 Feb 18 [Available from: <https://www.reuters.com/article/us-health-coronavirus-europe-astrazeneca-idUSKBN2AI237>].
866. Administration CC-RTFaD. Allergic Reactions Including Anaphylaxis After Receipt of the First Dose of Pfizer-BioNTech COVID-19 Vaccine — United States, December 14–23, 2020 Atlanta, Georgia, United States: U.S. Department of Health & Human Services; 2021 Jan. 15 [Available from: <https://www.cdc.gov/mmwr/volumes/70/wr/mm7002e1.htm>].
867. Kirsch WJaJ. Advocate Condell Medical Center to resume vaccinations after temporary pause due to COVID-19 vaccine side effects Chicago: ABC, Inc., WLS-TV Chicago; 2020, Dec 20 [Available from: <https://abc7chicago.com/health/condell-pauses-covid-19-vaccinations-after-adverse-effects-reported-/8892188/>].
868. Krakow M. After few vaccine reactions, Alaska officials stress that reactions are treatable but COVID-19 is 'wild card'. Anchorage Daily News. 2020.
869. Mervosh S. California recommends pausing a batch of Moderna vaccines after possible 'severe' allergic reactions. *New York Times*. 2021 Jan. 18th.
870. Shin MD, Shukla S, Chung YH, Beiss V, Chan SK, Ortega-Rivera OA, et al. COVID-19 vaccine development and a potential nanomaterial path forward. *Nature Nanotechnology*. 2020;15(8):646-55.
871. Tang Z, Zhang X, Shu Y, Guo M, Zhang H, Tao W. Insights from nanotechnology in COVID-19 treatment. *Nano Today*. 2021;36:101019-.
872. Garay RP, El-Gewely R, Armstrong JK, Garratty G, Richette P. Antibodies against polyethylene glycol in healthy subjects and in patients treated with PEG-conjugated agents. *Expert Opinion on Drug Delivery*. 2012;9(11):1319-23.
873. Povsic TJ, Lawrence MG, Lincoff AM, Mehran R, Rusconi CP, Zelenkofske SL, et al. Pre-existing anti-PEG antibodies are associated with severe immediate allergic reactions to pegnivacogin, a PEGylated aptamer. *Journal of Allergy and Clinical Immunology*. 2016;138(6):1712-5.
874. Yang Q, Jacobs TM, McCallen JD, Moore DT, Huckaby JT, Edelstein JN, et al. Analysis of Pre-existing IgG and IgM Antibodies against Polyethylene Glycol (PEG) in the General Population. *Analytical Chemistry*. 2016;88(23):11804-12.
875. Desk RN. France, Italy, Germany and Spain pause AstraZeneca jab Dublin, Ireland RTÉ Digital division; 2021 Mar 15 [Available from: <https://www.rte.ie/news/coronavirus/2021/0315/1204104-astrazeneca-vaccine-who/>].
876. Horgan-Jones PCaJ. Up to 15,000 vaccinations cancelled today following advice on AstraZeneca jab. *Irish Times*. 2021 Apr 13.
877. Noah Weiland SLaCZ. Johnson & Johnson Vaccinations Halt Across Country After Rare Clotting Cases Emerge. *New York Times*. 2021 Apr 13.
878. Staff R. Peru rejects AstraZeneca coronavirus vaccine purchase deal Canary Wharf, London, United Kingdom: Thomson Reuters; 2020 Oct 23 [Available from: <https://www.reuters.com/article/us-health-coronavirus-peru-idUSKBN27804U>].
879. Andreas Greinacher KS, Jan Wesche et al. Towards Understanding ChAdOx1 nCov-19 Vaccine-induced Immune Thrombotic Thrombocytopenia (VITT). *Research Square*. 2021 Apr 20 PREPRINT

880. Cuker TEWaA. COVID-19: Vaccine-induced immune thrombotic thrombocytopenia (VITT) Philadelphia, Pennsylvania, United States: UpToDate; 2021 Apr 30 [Available from: <https://www.uptodate.com/contents/covid-19-vaccine-induced-immune-thrombotic-thrombocytopenia-vitt>.
881. Staff R. Oxford pauses COVID-19 vaccine study in kids, awaits more data on blood clot issues Toronto, Canada: Thomson Reuters; 2021 Apr 06 [Available from: <https://www.reuters.com/article/uk-health-coronavirus-britain-vaccine-idUSKBN2BT2F5>.
882. See I, Su JR, Lale A, Woo EJ, Guh AY, Shimabukuro TT, et al. US Case Reports of Cerebral Venous Sinus Thrombosis With Thrombocytopenia After Ad26.COV2.S Vaccination, March 2 to April 21, 2021. *Jama*. 2021.
883. al MTe. Cerebral venous thrombosis and portal vein thrombosis: a retrospective cohort study of 537,913 COVID-19 cases. Oxford, UK: Oxford Health NHS Foundation Trust; 2021 Apr.
884. Taquet M HM, Geddes JR, Luciano S, Harrison PJ. . Cerebral venous thrombosis: a retrospective cohort study of 513 284 confirmed COVID-19 cases and a comparison with 489 871 people receiving a COVID-19 mRNA vaccine. Oxford, UK: Oxford University; 2021.
885. Bellini B, Cresci B, Cosentino C, Profili F, Bartolacci S, Scoccimarro D, et al. Obesity as a risk factor for hospitalization in COroNaVirus Disease-19 (COVID-19) patients: Analysis of the Tuscany regional database. *Nutr Metab Cardiovasc Dis*. 2021;31(3):769-73.
886. Blokhin IO, Lentz SR. Mechanisms of thrombosis in obesity. *Curr Opin Hematol*. 2013;20(5):437-44.
887. EMA. COVID-19 Vaccine AstraZeneca: benefits still outweigh the risks despite possible link to rare blood clots with low blood platelets Amsterdam, Netherlands: EMA; 2021 Mar 18 [Available from: <https://www.ema.europa.eu/en/news/covid-19-vaccine-astrazeneca-benefits-still-outweigh-risks-despite-possible-link-rare-blood-clots>.
888. Ioannidis JPA. Global perspective of COVID-19 epidemiology for a full-cycle pandemic. *Eur J Clin Invest*. 2020;50(12):e13423.
889. Torjesen I. Covid-19: Risk of cerebral blood clots from disease is 10 times that from vaccination, study finds. *BMJ*. 2021;373:n1005.
890. HPRA. COVID-19 Medicines and Vaccines Dublin, Ireland: Health Products Regulatory Authority (HPRA); 2021 [Available from: <https://www.hpra.ie/homepage/medicines/covid-19-updates>.
891. Albert E, Aurigemma G, Saucedo J, Gerson DS. Myocarditis following COVID-19 vaccination. *Radiol Case Rep*. 2021;16(8):2142-5.
892. Lee BY. CDC Further Investigating Heart Inflammation Cases After Pfizer, Moderna Covid-19 Vaccination. *Forbes*. 221 Jun 13.
893. Cohen E. Doctors explain myocarditis and why teens should still get a COVID-19 vaccine | Toronto, Canada: CTV News; 2021 June 13 [Available from: <https://www.ctvnews.ca/health/coronavirus/doctors-explain-myocarditis-and-why-teens-should-still-get-a-covid-19-vaccine-1.5468605>.
894. Trigg PRaN. Scientists not backing Covid jabs for 12 to 15-year-olds London, UK BBC 2021 Sep 04 [Available from: <https://www.bbc.com/news/health-58438669>.
895. Desk N. Inter director says Eriksen did not have COVID and was not vaccinated Toronto, Canada: Thomson Reuters; 2021 Jun 14 [Available from: <https://www.reuters.com/lifestyle/sports/eriksens-former-cardiologist-says-he-had-no-history-heart-concerns-2021-06-13/>.
896. Putterman S. Says professional soccer player Christian Eriksen received the Pfizer vaccine days before he collapsed during a game: Politifact; 2021 Jun 14 [Available from: <https://www.politifact.com/factchecks/2021/jun/14/instagram-posts/christian-eriksen-danish-soccer-player-who-collaps/>.
897. Airways B. Twitter. In: Airways B, editor.: Twitter; 2021.

898. Marton S. British Airways pilots die after covid vaccine: Coincidence or Vaccine? . Captain Jetson. 2021.
899. Ashford KRaB. CDC and Pfizer are investigating death of 'very healthy' Miami obstetrician 16 days after he received the vaccine and suffered a brain hemorrhage. Daily Mail. 2021.
900. Black C, Kaye JA, Jick H. MMR vaccine and idiopathic thrombocytopaenic purpura. Br J Clin Pharmacol. 2003;55(1):107-11.
901. Cabrera T. Family of OC man who died days after vaccination say they remain proponents of vaccine New York, New York, United States. : ABC television network; 2021 Jan. 29 [Available from: <https://abc7.com/tim-zook-covid-19-vaccine-death-can-the-kill-you-coronavirus/10105246/>].
902. Desk N. Man in his 70s collapses and dies just 25 minutes after receiving COVID-19 vaccine in NYC - as officials say he 'didn't have allergic reaction' London, UK: DMG Media; 2021 Feb [Available from: <https://www.dailymail.co.uk/news/article-9237735/Man-70s-collapses-dies-just-25-minutes-receiving-COVID-19-vaccine-NYC.html>].
903. Shilhavy B. 28-Year-old Wisconsin Healthcare Worker has Aneurysm – Brain Dead Five Days After Second Experimental Pfizer mRNA COVID Injection Texas, US: Health Impact News; 2021 Feb 14 [Available from: <https://medicalkidnap.com/2021/02/14/28-year-old-wisconsin-healthcare-worker-has-aneurysm-brain-dead-five-days-after-second-experimental-pfizer-mrna-covid-injection/>].
904. Digital TN. Portuguese healthcare worker dies 2 days after getting Pfizer COVID-19 vaccine: Report. The Portugal News. 2021 Jan 06.
905. Digital TN. Autopsy concludes that woman's death was not due to the vaccine. The Portugal News. 2021 Jan. 06.
906. Staff. 88-year-old dies hours after COVID vaccination in second such incident. The Jerusalem Post 2020 Dec. 30.
907. Sharma NC. Covid-19 vaccine in India: Deaths not related to vaccination, clarifies govt Delhi, India: HT Media; 2021 18. Jan [Available from: <https://www.livemint.com/news/india/covid19-vaccine-in-india-deaths-not-related-to-vaccination-clarifies-govt-11610984378286.html>].
908. (AA) AA. 1st post-vaccination death reported in India Ankara, Turkey.: Anadolu Agency (AA) State-run; 2021 Jan. 18 [Available from: <https://www.aa.com.tr/en/asia-pacific/1st-post-vaccination-death-reported-in-india/2113690#>].
909. Ray K. Covid-19: After 13 deaths post vaccination, doctors urge Health Ministry to investigate | Deccan Herald. Deccan Herald. 2021.
910. Mei Q, Li J, Du R, Yuan X, Li M, Li J. Assessment of patients who tested positive for COVID-19 after recovery. The Lancet Infectious Diseases. 2020;20(9):1004-5.
911. Staff R. Fact check: Quote about COVID-19 vaccine in care homes taken out of context: Thomson Reuters Corporation; 2020 [Available from: <https://www.reuters.com/article/uk-factcheck-care-homes-idUSKBN28K2IQ>].
912. Burns S. Covid-19: Vaccine rollout starts in nursing homes. Irish Times 2021 Jan 07.
913. Desk N. Covid death toll in nursing homes passes 1,500, with 369 in January alone Dublin, ireland: TheJournal.ie; 2021 Feb 02 [Available from: <https://www.thejournal.ie/nursing-homes-ireland-death-toll-5342688-Feb2021/#respond>].
914. Murran MB. Letter sent to government re dramatic rise in excess nursing home deaths Ireland: Health Freedom Ireland.; 2021 [Available from: <https://healthfreedomireland.com/letter-sent-to-government-re-dramatic-rise-in-excess-nursing-home-deaths/>].
915. Carswell S. North Dublin nursing home records 13 deaths after Covid-19 outbreak. Irish Times. 2021 Jan 22.
916. Simon Carswell JH-J. Covid-19 outbreak in Dundalk nursing home claims six lives. The Irish Times. 2021.
917. Carswell S. Covid-19: Laois nursing home emerges from outbreak that led to 17 deaths. Irish Times 2021 Jan 28.
918. O'Loughlin C. Galway nursing home hit by 'tidal wave' of Covid-19 appeals for help after 12 residents die from virus. Irish Independent 2021 Feb 01.

919. Michael N. Almost half of residents at Cork nursing home died of Covid. Irish Examiner. 2021 Feb 18.
920. Burns S. Covid-19: Vaccine rollout starts in nursing homes. Irish Times. 2021 Jan 07.
921. McIntyre RBaN. Covid-related deaths in care homes in England jump by 46%. Guardian. 2021.
922. Amit S, Regev-Yochay G, Afek A, Kreiss Y, Leshem E. Early rate reductions of SARS-CoV-2 infection and COVID-19 in BNT162b2 vaccine recipients. The Lancet.
923. ONS. Care home resident deaths registered in England and Wales, provisional London, UK: The Office for National Statistics; 2021 [Available from: <https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/carehomeresidentdeathsregisteredinenglandandwalesprovisional>].
924. Jewers C. Coronavirus outbreaks kill dozens at care homes: 24 elderly residents die in Hampshire while second tragedy in the Midlands leaves nine dead. Daily Mail. 2021.
925. Siddle NSaJ. Care home residents dying after first jab as Boris Johnson gambles on vaccine delay. The Daily Mirror. 2021.
926. SaloJanuary J. Norway probes deaths of two nursing home residents who got Pfizer's COVID vaccine. The New York Post. 2021 Jan. 07.
927. Welle D. Coronavirus: Switzerland denies rumors of COVID vaccine causing death Bonn, Germany: DW Publishing Co.; 2021 [Available from: <https://www.dw.com/en/coronavirus-switzerland-denies-rumors-of-covid-vaccine-causing-death/a-56099469>].
928. Kresge LETaN. Norway Warns of Vaccination Risks for Sick Patients Over 80 New York, New York, United States: BloombergQuint; 2021 Jan. 15 [cited 2021 Jan. 17]. Available from: <https://www.bloombergquint.com/business/norway-warns-of-vaccination-risks-for-sick-patients-over-80>.
929. Torjesen I. Covid-19: Doctors in Norway told to assess severely frail patients for vaccination. BMJ. 2021;372:n167.
930. Torjesen I. Covid-19: Pfizer-BioNTech vaccine is "likely" responsible for deaths of some elderly patients, Norwegian review finds. BMJ. 2021;373:n1372.
931. Thompson BH. Covid France: Five deaths after vaccine, no link proven. The Connexion. 2021.
932. Keyue X. Deaths after Pfizer vaccination at Spanish nursing home aggravate concerns Beijing, China: People's Daily; 2021 Feb 02 [Available from: <https://www.globaltimes.cn/page/202102/1214761.shtml>].
933. Kummerer S. Hundreds of COVID-19 deaths reported in congregate care facilities amid vaccination efforts Durham, NC: ABC 11 Eyewitness News 2021 Jan 31 [Available from: <https://abc11.com/congregate-care-covid-19-coronavirus-nc-vaccine/10134929/>].
934. Beard J. Government saves £600m on state pension payments as Covid deaths surge. The Telegraph 2020 Nov. 25.
935. NHS. Preparation of Pfizer-BioNTech COVID-19 Vaccine (BNT162b2)Syringes for Administration. In: Care DoHaS, editor. London: North West Pharmaceutical Quality Assurance Procurement; 2020
936. Co DP. Coronavirus: German care home workers accidentally given vaccine overdose. Online: Deutsche Welle (DW) News; 2020.
937. Goldhill O. Labeling confusion led to wasted doses of Pfizer Covid-19 vaccine in first days of rollout [Internet ]. Boston, Massachusetts Boston Globe Media; 2020 Dec. 16 [updated Dec. 16 2020. Available from: <https://www.statnews.com/2020/12/16/labeling-confusion-led-to-wasted-doses-of-pfizer-covid-19-vaccine-in-first-days-of-rollout/>].
938. desk N. A Worker Accused of Spoiling More Than 500 Vaccine Doses Is Arrested. New York Times 2021 Jan 05.
939. Zejnullahu VA, Bicaj BX, Zejnullahu VA, Hamza AR. Retained Surgical Foreign Bodies after Surgery. Open access Macedonian journal of medical sciences. 2017;5(1):97-100.

940. Yorker BC, Kizer KW, Lampe P, Forrest AR, Lannan JM, Russell DA. Serial murder by healthcare professionals. *J Forensic Sci.* 2006;51(6):1362-71.
941. Kennedy DA, Read AF. Monitor for COVID-19 vaccine resistance evolution during clinical trials. *PLoS Biol.* 2020;18(11):e3001000.
942. Doucleff M. Why A Push For Boosters Could Make The Pandemic Even Worse Washington, DC, US: Nonprofit News; 2021 Sep 11 [Available from: <https://www.npr.org/sections/goatsandsoda/2021/08/18/1028941909/why-a-push-for-boosters-could-make-the-pandemic-even-worse>].
943. Lee WS, Wheatley AK, Kent SJ, DeKosky BJ. Antibody-dependent enhancement and SARS-CoV-2 vaccines and therapies. *Nature Microbiology.* 2020;5(10):1185-91.
944. Su S, Du L, Jiang S. Learning from the past: development of safe and effective COVID-19 vaccines. *Nature Reviews Microbiology.* 2020.
945. Smatti MK, Al Thani AA, Yassine HM. Viral-Induced Enhanced Disease Illness. *Front Microbiol.* 2018;9:2991.
946. Jaume M, Yip MS, Cheung CY, Leung HL, Li PH, Kien F, et al. Anti-severe acute respiratory syndrome coronavirus spike antibodies trigger infection of human immune cells via a pH- and cysteine protease-independent FcγR pathway. *Journal of virology.* 2011;85(20):10582-97.
947. Kam YW, Kien F, Roberts A, Cheung YC, Lamirande EW, Vogel L, et al. Antibodies against trimeric S glycoprotein protect hamsters against SARS-CoV challenge despite their capacity to mediate FcγRII-dependent entry into B cells in vitro. *Vaccine.* 2007;25(4):729-40.
948. Desk N. Pr Luc Montagnier : "Les variants viennent des vaccinations": Planetes360; 2021 [Available from: <https://planetes360.fr/pr-luc-montagnier-les-variants-viennent-des-vaccinations/>].
949. Staff MM. Covid vaccines creating new variants, says Nobel winning scientist Delhi, India: Muslim Mirror; 2021 May 22 [Available from: <https://muslimmirror.com/eng/covid-vaccines-creating-new-variants-says-nobel-winning-scientist/>].
950. Steenhuysen J. As pressure for coronavirus vaccine mounts, scientists debate risks of accelerated testing. *Reuters.* 2020 March.
951. BitChute. Professor Dolores Cahill: Why people will start dying a few months after the first mRNA vaccination In: Cahill D, editor. Online: BitChute; 2021.
952. BitChute. How Many Who've Had the Covid Jab Will Still be Alive Next Christmas? In: Coleman DV, editor.: BitChute; 2021.
953. desk N. Debunked: No, Professor Luke O'Neill didn't refuse a Covid vaccine because he 'didn't want' one. *Journalie.* 2021 Apr 25.
954. Smalley J. Impact of COVID Vaccinations on Mortality. *YouTube;* 2021 May 13.
955. Murphy AA, Redwood AJ, Jarvis MA. Self-disseminating vaccines for emerging infectious diseases. *Expert review of vaccines.* 2016;15(1):31-9.
956. Bull SNaJ. We now have the technology to develop vaccines that spread themselves. *New Scientist* 2021.
957. Nuismer SL, Bull, J.J. . Self-disseminating vaccines to suppress zoonoses. 4, (2020). . *Nat Ecol Evol* 2020;4:1168–73.
958. George S, Pal AC, Gagnon J, Timalina S, Singh P, Vydyam P, et al. Evidence for SARS-CoV-2 Spike Protein in the Urine of COVID-19 patients. *medRxiv.* 2021:2021.01.27.21250637.
959. Jones DL, Baluja MQ, Graham DW, Corbishley A, McDonald JE, Malham SK, et al. Shedding of SARS-CoV-2 in feces and urine and its potential role in person-to-person transmission and the environment-based spread of COVID-19. *The Science of the total environment.* 2020;749:141364.
960. Nigh SSaG. Worse Than the Disease? Reviewing Some Possible Unintended Consequences of the mRNA Vaccines Against COVID-19. *International Journal of Vaccine Theory, Practice, and Research.* 2021 May 10;2.
961. Wang F, Kream RM, Stefano GB. An Evidence Based Perspective on mRNA-SARS-CoV-2 Vaccine Development. *Medical science monitor : international medical journal of experimental and clinical research.* 2020;26:e924700.



962. Pfizer. Safety Data Sheet. New York, New York, US: Pfizer; 2021.
963. Hansen T, Titze U, Kulamadayil-Heidenreich NSA, Glombitza S, Tebbe JJ, Röcken C, et al. First case of postmortem study in a patient vaccinated against SARS-CoV-2. *Int J Infect Dis.* 2021;107:172-5.
964. Wu KJ. UK allows for mix-and-match Covid-19 vaccines in rare circumstances. *The Irish Times.* 2020 Jan. 02.
965. Kaur SP, Gupta V. COVID-19 Vaccine: A comprehensive status report. *Virus Res.* 2020;288:198114-.
966. Tidey A. France's health authority recommends single vaccine shot for people who have had COVID-19 Lyon, France: Media Globe Networks; 2021 Feb 02 [Available from: <https://www.euronews.com/2021/02/12/france-s-health-authority-recommends-single-vaccine-shot-for-people-who-have-had-covid-19#vuukle-comments-1384534>].
967. Wijesundara DK, Avumegah MS, Lackenby J, Modhiran N, Isaacs A, Young PR, et al. Rapid Response Subunit Vaccine Design in the Absence of Structural Information. *Frontiers in immunology.* 2020;11:592370-.
968. Taylor A. How did the University of Queensland/CSL vaccine fail due to 'false positive' HIV tests? A vaccine expert explains Melbourne, Australia: The Conversation 2020 Dec 10 [Available from: <https://theconversation.com/how-did-the-university-of-queensland-csl-vaccine-fail-due-to-false-positive-hiv-tests-a-vaccine-expert-explains-151911>].
969. Wright AJ. 'Astonishing Numbers': Vaccine Efforts In the 1918 Flu Pandemic. *Clinical Oncology News.* 2020 Jul 08.
970. McCoy G. W. M, V. B., and Teeter AL. The Failure of a Bacterial Vaccine as a Prophylactic Against Influenza. *Journal of the American Medical Association.* 1918;71(24):1997-.
971. John. And the truth shall set you free: Your Dictionary; 2021 [Available from: <https://quotes.yourdictionary.com/articles/who-said-and-the-truth-shall-set-you-free.html>].
972. Masters DSaA. Why most people who now die with Covid in England have had a vaccination. *The Guardian.* 2021 Jun 27.
973. Ollove M. U.S. COVID-19 Testing Has Dropped Dramatically Philadelphia, Pennsylvania, US: The Pew Charitable Trust; 2021 Mar 22 [Available from: <https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2021/03/22/us-covid-19-testing-has-dropped-dramatically>].
974. News S. Coronavirus 'disappearing' so fast Oxford vaccine has 'only 50% chance of working' West London: Sky Group; 2020 [updated Monday 25 May 2020].
975. Aubrey A. A COVID-19 Vaccine May Be Only 50% Effective. Is That Good Enough? [Internet ]. American Public Media; 2020 [updated September 12, 2020:00 AM ET. Available from: <https://www.npr.org/sections/health-shots/2020/09/12/911987987/a-covid-19-vaccine-may-be-only-50-effective-is-that-good-enough?t=1607196092735>].
976. Singal AG, Higgins PD, Waljee AK. A primer on effectiveness and efficacy trials. *Clin Transl Gastroenterol.* 2014;5(1):e45.
977. Doshi P. Covid-19 vaccine trials cannot tell us if they will save lives. *BMJ.* 2020.
978. Greenwood M, Yule GU. The Statistics of Anti-typhoid and Anti-cholera Inoculations, and the Interpretation of such Statistics in general. *Proc R Soc Med.* 1915;8(Sect Epidemiol State Med):113-94.
979. Polack FP, Thomas SJ, Kitchin N, Absalon J, Gurtman A, Lockhart S, et al. Safety and Efficacy of the BNT162b2 mRNA Covid-19 Vaccine. *N Engl J Med.* 2020;383(27):2603-15.
980. Cunningham AS. Covid-19: Vaccine candidate may be more than 90% effective, interim results indicate. *BMJ.* 2020 Nov. 09;371.
981. Olliaro P, Torreele E, Vaillant M. COVID-19 vaccine efficacy and effectiveness-the elephant (not) in the room. *Lancet Microbe.* 2021.
982. MedicineWise N. Vaccines and immunisation Canberra, Melbourne: NPS MedicineWise; 2021 [Available from: <https://www.nps.org.au/consumers/vaccines-and->

[immunisation#:~:text=Vaccination%20is%20when%20a%20vaccine,become%20immune%20to%20the%20infection\).](#)

983. Desk N. Covid: Vaccinated people may spread virus, says Van-Tam [Internet]. London, UK: BBC Global News Ltd; 2021 Jan [Available from: <https://www.bbc.com/news/uk-55784199>.

984. NHS. Coronavirus (COVID-19) vaccines London, UK: NHS; 2021 [Available from: <https://www.nhs.uk/conditions/coronavirus-covid-19/coronavirus-vaccination/coronavirus-vaccine/#:~:text=The%201st%20dose%20of%20the,if%20you%20have%20the%20vaccine>.

985. Mandavilli A. Vaccinated people will still need to wear a mask. Here's why. The Irish Times 2020 Dec 11.

986. Pfizer. Real-World Evidence Confirms High Effectiveness of Pfizer-BioNTech COVID-19 Vaccine and Profound Public Health Impact of Vaccination One Year After Pandemic Declared New York, New York, United States: Pfizer; 2021 Mar 11 [Available from: <https://www.pfizer.com/news/press-release/press-release-detail/real-world-evidence-confirms-high-effectiveness-pfizer>.

987. Dagan N, Barda N, Kepten E, Miron O, Perchik S, Katz MA, et al. BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Mass Vaccination Setting. N Engl J Med. 2021 Apr 15;384(15):1412-23.

988. Chamary J. Why Using Coronavirus Names Like 'Indian Variant' Is Racist. Forbes. 2021 Apr.

989. Callaway E. Coronavirus variants get Greek names — but will scientists use them? <https://www.nature.com/articles/d41586-021-01483-0>.

990. PHE. SARS-CoV-2 variants of concern and variants under investigation in England Technical briefing 16 London, UK: PHE; 2021 Jun 18 [Available from: [file:///C:/Users/carina/Downloads/Variants\\_of\\_Concern\\_VOC\\_Technical\\_Briefing\\_16.pdf](file:///C:/Users/carina/Downloads/Variants_of_Concern_VOC_Technical_Briefing_16.pdf).

991. Wall EC, Wu M, Harvey R, Kelly G, Warchal S, Sawyer C, et al. Neutralising antibody activity against SARS-CoV-2 VOCs B.1.617.2 and B.1.351 by BNT162b2 vaccination. Lancet. 2021.

992. Kustin T, Harel N, Finkel U, Perchik S, Harari S, Tahor M, et al. Evidence for increased breakthrough rates of SARS-CoV-2 variants of concern in BNT162b2 mRNA vaccinated individuals. medRxiv. 2021:2021.04.06.21254882.

993. Maggie Fox. Pfizer says it's time for a Covid booster; FDA and CDC say not so fast Atlanta, Georgia, United States: CNN; 2021 [Available from: <https://edition.cnn.com/2021/07/08/health/pfizer-waning-immunity-bn/index.html>.

994. Grover N. Jabbed adults infected with Delta 'can match virus levels of unvaccinated'. The Guardian. 2021.

995. Griffin S. Covid-19: Fully vaccinated people can carry as much delta virus as unvaccinated people, data indicate. BMJ. 2021;374:n2074.

996. Gazit S, Shlezinger R, Perez G, Lotan R, Peretz A, Ben-Tov A, et al. Comparing SARS-CoV-2 natural immunity to vaccine-induced immunity: reinfections versus breakthrough infections. medRxiv. 2021:2021.08.24.21262415.

997. Seidel J. Iceland Covid-19 outbreak: Cases spike in world's most vaccinated country Sydney Australia: New.com.au; 2021 Aug 21 [Available from: <https://www.news.com.au/world/coronavirus/global/iceland-deals-with-growing-delta-outbreak-as-high-vaccination-rates-stop-deaths/news-story/b970a814615715e573d67b3a1c1525f0>.

998. Spiro A. Covid cases are rocketing in Israel – we are back to last-minute U-turns and endless changes to plans. I News. 2021.

999. Sguazzin KBaA. World's Most-Vaccinated Nation Activates Curbs as Cases Rise London, UK: Bloomberg 2021 May 04 [Available from: <https://www.bloomberg.com/news/articles/2021-05-04/world-s-most-vaccinated-nation-reintroduces-curbs-as-cases-surge>.

1000. Horng E. 'Breakthrough' COVID death: Fully-vaccinated Flossmoor man, 75, dies from virus a month after 2nd vaccine dose Chicago, Illinois: ABC Holding Company, Inc; 2021 Apr 29 [Available from: <https://abc7chicago.com/breakthrough-covid-after-vaccine-death-il/10558121/>.

1001. May S. Officials: 246 fully-vaccinated Michigan residents test positive for COVID-19, 3 died Salt Lake City, Utah, US: KUTV; 2021 Apr 06 [Available from:

<https://kutv.com/news/coronavirus/246-fully-vaccinated-michigan-residents-test-positive-for-covid-19-3-died>.

1002. Holly Yan HDIFaDC, CNN. New York Yankees say 8 vaccinated members tested positive for Covid-19. Here's how that could happen Atlanta, Georgia, United States: WarnerMedia; 2021 May 14 [Available from: <https://edition.cnn.com/2021/05/13/sport/yankees-test-positive-covid/index.html>].

1003. Greaney AJ, Loes AN, Crawford KHD, Starr TN, Malone KD, Chu HY, et al. Comprehensive mapping of mutations to the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human serum antibodies. *bioRxiv*. 2021:2020.12.31.425021.

1004. Report TA. Vaccine won't work against South Africa coronavirus variant, worry UK scientists. *The Africa Report*. 2020 Jan. 04.

1005. Madhi SA, Baillie V, Cutland CL, Voysey M, Koen AL, Fairlie L, et al. Safety and efficacy of the ChAdOx1 nCoV-19 (AZD1222) Covid-19 vaccine against the B.1.351 variant in South Africa. *medRxiv*. 2021:2021.02.10.21251247.

1006. Mancini JCaDP. Oxford/AstraZeneca jab fails to prevent mild and moderate Covid from S African strain, study shows. *Financial Times*. 2021 Feb 07

1007. Mullin G. MUTANT BUG Brazil Covid variant – what are the symptoms of the new coronavirus strain and is it already in the UK? *The Sun*. 2021 Jan. 14.

1008. Zimmer C. Virus Variant in Brazil Infected Many Who Had Already Recovered From Covid-19. *New York Times*. 2021.

1009. Team TIE. COVID-19 Vaccine Breakthrough Infections: What They Are and Why We Must Still Get Inoculated India: TWC 2021 Apr 27 [Available from: <https://weather.com/en-IN/india/coronavirus/news/2021-04-28-covid-vaccine-breakthrough-infections>].

1010. Desk BN. Seychelles brings back curbs despite vaccination success London UK: BBC News Online; 2021 [Available from: <https://www.bbc.com/news/world-africa-56992121>].

1011. Mwai P. Covid: Why has Seychelles seen rising case numbers? London, UK: BBC News; 2021 May 21 [Available from: <https://www.bbc.com/news/57148348>].

1012. Iwasaki A. What reinfections mean for COVID-19. *The Lancet Infectious Diseases*.

1013. Tillett RL, Sevinsky JR, Hartley PD, Kerwin H, Crawford N, Gorzalski A, et al. Genomic evidence for reinfection with SARS-CoV-2: a case study. *The Lancet Infectious Diseases*.

1014. Iwasaki A. What reinfections mean for COVID-19. *Lancet Infect Dis*. 2021;21(1):3-5.

1015. To KK-W, Hung IF-N, Ip JD, Chu AW-H, Chan W-M, Tam AR, et al. Coronavirus Disease 2019 (COVID-19) Re-infection by a Phylogenetically Distinct Severe Acute Respiratory Syndrome Coronavirus 2 Strain Confirmed by Whole Genome Sequencing. *Clinical Infectious Diseases*. 2020.

1016. Van Elslande J, Vermeersch P, Vandervoort K, Wawina-Bokalanga T, Vanmechelen B, Wollants E, et al. Symptomatic SARS-CoV-2 reinfection by a phylogenetically distinct strain. *Clinical Infectious Diseases*. 2020.

1017. To KK, Hung IF, Ip JD, Chu AW, Chan WM, Tam AR, et al. COVID-19 re-infection by a phylogenetically distinct SARS-coronavirus-2 strain confirmed by whole genome sequencing. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. 2020.

1018. Nachmias V, Fusman R, Mann S, Koren G. The first case of documented Covid-19 reinfection in Israel. *IDCases*. 2020;22:e00970.

1019. Griffin R. Merck Shuts Down Covid Vaccine Program After Lackluster Data New York, New York, United States: Bloomberg L.P. ; 2021 Jan. 25 [Available from: <https://www.bloomberg.com/news/articles/2021-01-25/merck-shuts-down-covid-vaccine-program-after-lackluster-data>].

1020. Reuters. COVID SCIENCE-J&J vaccine effective in preventing severe disease Canary Wharf, London, United Kingdom: Thomson Reuters; 2021 Jan. 29 [Available from: <https://news.trust.org/item/20210129174715-4jjax/>].

1021. Desk BN. Sinovac: Brazil results show Chinese vaccine 50.4% effective London, United Kingdom: BBC Global News Ltd; 2020 [Available from: <https://www.bbc.com/news/world-latin-america-55642648>].
1022. Desk BN. Covid: Bolsonaro says Brazil will not buy Chinese-made vaccine - London,UK: BBC News; 2020 Oct 21 [Available from: <https://www.bbc.com/news/world-latin-america-54619730>].
1023. Twain M. Nature knows no indecencies; man invents them.: GoodReads; 2021 [Available from: <https://www.goodreads.com/quotes/80307-nature-knows-no-indecencies-man-invents-them#:~:text=Quote%20by%20Mark%20Twain%3A%20%E2%80%9CNature,indecencies%3B%20man%20invents%20them.%E2%80%9D>].
1024. Bullen J. BMA warns against calling pregnant women 'expectant mothers' as it 'may offend intersex men'. Evening Standard. 2017 Jan 29.
1025. BMA. A guide to effective communication inclusive language in the workplace. London, United Kingdom: British Medical Association (BMA); 2017.
1026. Global Market Insights I. Sex Reassignment Surgery Market to hit USD 1.5 Bn by 2026: Global Market Insights, Inc. Los Angeles, California, United States: GlobeNewswire 2020 Mar 31 [Available from: <https://www.globenewswire.com/news-release/2020/03/31/2009112/0/en/Sex-Reassignment-Surgery-Market-to-hit-USD-1-5-Bn-by-2026-Global-Market-Insights-Inc.html>].
1027. SoccerNurds. Leuprolide Acetate Market worth \$9.3 billion by 2025 – Exclusive Report by Researchmoz Albany, New York, UUS: Researchmoz; 2021 [Available from: <https://soccernurds.com/uncategorized/2538827/leuprolide-acetate-market-worth-9-3-billion-by-2025-exclusive-report-by-researchmoz/>].
1028. Hytten F. Blood volume changes in normal pregnancy. Clin Haematol. 1985;14(3):601-12.
1029. Mor G, Cardenas I. The immune system in pregnancy: a unique complexity. Am J Reprod Immunol. 2010;63(6):425-33.
1030. Rubin R. Pregnant People’s Paradox—Excluded From Vaccine Trials Despite Having a Higher Risk of COVID-19 Complications. Jama. 2021;325(11):1027-8.
1031. Taylor MM, Kobeissi L, Kim C, Amin A, Thorson AE, Bellare NB, et al. Inclusion of pregnant women in COVID-19 treatment trials: a review and global call to action. The Lancet Global Health.
1032. Meara K. WHO Recommends Against Pregnant Women Receiving COVID-19 mRNA Vaccines: Contagion Live; 2021 Jan 28 [Available from: <https://www.contagionlive.com/view/who-recommends-against-pregnant-women-receiving-covid-19-mrna-vaccines>].
1033. EMA. Comirnaty Common name: COVID-19 mRNA vaccine (nucleoside-modified). Amsterdam, The Netherlands: European Medicines Agency; 2021.
1034. ACOG. COVID-19 Vaccines and Pregnancy:Conversation Guide for Clinicians Washington DC, US: American College of Obstetricians and Gynecologists 2021.
1035. Rasmussen SA, Kelley CF, Horton JP, Jamieson DJ. Coronavirus Disease 2019 (COVID-19) Vaccines and Pregnancy: What Obstetricians Need to Know. Obstet Gynecol. 2021;137(3):408-14.
1036. HSE. Clinical Guidance for COVID-19 Vaccination. Dublin, Ireland: Health Service Executive Ireland; 2021 Jan 14.
1037. ACOG. Vaccinating Pregnant and Lactating Patients Against COVID-19 [Internet]. Washington, DC: American College of Obstetricians and Gynecologists; 20201 [
1038. RANZCOG. COVID-19 Vaccination in Pregnant and Breastfeeding Women: The Royal Australian and New Zealand College of Obstetricians and Gynaecologists; 2021 June 09 [Available from: <https://ranzco.edu.au/statements-guidelines/covid-19-statement/covid-19-vaccination-information>].
1039. Pfizer. Pfizer and BioNTech Commence Global Clinical Trial to Evaluate COVID-19 Vaccine in Pregnant Wome: Pfizer; 2021 Feb 18 [Available from: <https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-commence-global-clinical-trial-evaluate>].
1040. Researcher: 'We Made a Big Mistake' on COVID-19 Vaccine [press release]. Cape Coral, FL, US: Mercola.com LLC 2021.
1041. Pfizer. Pfizer ovaries study in English. Overview of Pharmacokinetic Test: Pfizer; 2021.

1042. Ito Y, Hasuda H, Sakuragi M, Tsuzuki S. Surface modification of plastic, glass and titanium by photoimmobilization of polyethylene glycol for antibiofouling. *Acta Biomater.* 2007;3(6):1024-32.
1043. EMA. Comirnaty Common name: COVID-19 mRNA vaccine (nucleoside-modified). Amsterdam, Netherlands: Committee for Medicinal Products for Human Use (CHMP); 2021 Feb
1044. Hooper K. Choices for Measuring Luciferase-Tagged Reporter Pseudotyped Viral Particles in Coronavirus Research Madison, Wisconsin, US: Promega Connections; 2020 Jun 03 [Available from: <https://www.promegaconnections.com/choices-for-measuring-luciferase-tagged-reporter-pseudotyped-viral-particles-in-coronavirus-research/>].
1045. Elia U, Ramishetti S, Dammes N, Bar-Haim E, Naidu GS, Makdasi E, et al. Design of SARS-CoV-2 RBD mRNA Vaccine Using Novel Ionizable Lipids. *bioRxiv.* 2020:2020.10.15.341537.
1046. Fact F. No evidence Pfizer Covid-19 vaccine affects women's fertility [Internet]. London. UK: Michael Samuel; 2021 [Available from: <https://fullfact.org/health/vaccine-covid-fertility/>].
1047. King A. Doctors Investigate Several Stillbirths Among Moms with COVID-19. *The Scientist.* 2021 Apr.
1048. Cáceres M, Thomas JW, Program NCS. The Gene of Retroviral Origin Syncytin 1 is Specific to Hominoids and is Inactive in Old World Monkeys. *Journal of Heredity.* 2006;97(2):100-6.
1049. Griffiths SK, Campbell JP. Placental structure, function and drug transfer. *Continuing Education in Anaesthesia Critical Care & Pain.* 2014;15(2):84-9.
1050. Gong R, Peng X, Kang S, Feng H, Huang J, Zhang W, et al. Structural characterization of the fusion core in syncytin, envelope protein of human endogenous retrovirus family W. *Biochemical and biophysical research communications.* 2005;331(4):1193-200.
1051. Naz RK, Talwar GP. Reversibility of azoospermia induced by bacillus Calmette-Guerin. *J Androl.* 1986;7(4):264-9.
1052. Talwar GP, Raghupathy R. Anti-fertility vaccines. *Vaccine.* 1989;7(2):97-101.
1053. Yadav T, Srivastava N, Mishra G, Dhama K, Kumar S, Puri B, et al. Recombinant vaccines for COVID-19. *Hum Vaccin Immunother.* 2020;16(12):2905-12.
1054. Talwar GP, Hingorani V, Kumar S, Roy S, Banerjee A, Shahani SM, et al. Phase I clinical trials with three formulations of anti-human chorionic gonadotropin vaccine. *Contraception.* 1990;41(3):301-16.
1055. Talwar GP, Nand KN, Gupta JC, Bandivdekar AH, Sharma RS, Lohiya NK. Current status of a unique vaccine preventing pregnancy. *Front Biosci (Elite Ed).* 2017;9:321-32.
1056. Foundation BMG. How We Work Microchips Biotech, Inc. Seattle, Washington, United States: Bill & Melinda Gates Foundation; 2021 [Available from: <https://www.gatesfoundation.org/How-We-Work/Quick-Links/Grants-Database/Grants/2014/01/OPP1068198>].
1057. Desk N. Microchips Biotech, Inc. Completes Development and Clinical Demonstration of Proprietary Drug Delivery Platform and Advances Commercialization Efforts in Diabetes, Contraception and Osteoporosis San Francisco, California , US: Business Wire, Inc.; 2014 [Available from: <https://www.businesswire.com/news/home/20141215005472/en/Microchips-Biotech-Inc.-Completes-Development-and-Clinical-Demonstration-of-Proprietary-Drug-Delivery-Platform-and-Advances-Commercialization-Efforts-in-Diabetes-Contraception-and-Osteoporosis>].
1058. Cohain JS, Buxbaum RE, Mankuta D. Spontaneous first trimester miscarriage rates per woman among parous women with 1 or more pregnancies of 24 weeks or more. *BMC Pregnancy Childbirth.* 2017;17(1):437.
1059. Shimabukuro TT, Kim SY, Myers TR, Moro PL, Oduyebo T, Panagiotakopoulos L, et al. Preliminary Findings of mRNA Covid-19 Vaccine Safety in Pregnant Persons. *New England Journal of Medicine.* 2021;384(24):2273-82.
1060. NIH. U.S. National Institutes of Health Rockville, Maryland, United States: U.S. Department of Health and Human Services; 2021 [Available from: <https://www.clinicaltrials.gov/ct2/show/NCT04665258>].



1061. Aripaka LBaP. AstraZeneca to be exempt from coronavirus vaccine liability claims in most countries Canary Wharf, London, UK: Thomson Reuters; 2020 Jul 30 [Available from: <https://www.reuters.com/article/us-astrazeneca-results-vaccine-liability-idUSKCN24V2EN>].
1062. Sagonowsky E. Pfizer could earn \$15B-plus in COVID-19 vaccine sales: analyst New York, New York, United States: Rebecca Willumson; 2020 Jul 27 [Available from: <https://www.fiercepharma.com/pharma/pfizer-could-see-15b-covid-19-vaccine-sales-analyst>].
1063. Evans RG. Tough on Crime? Pfizer and the CIHR. Healthcare policy = Politiques de sante. 2010;5(4):16-25.
1064. Ratner M. Pfizer settles largest ever fraud suit for off-label promotion. Nat Biotechnol. 2009;27(11):961-2.
1065. Lenzer J. Nigeria files criminal charges against Pfizer. BMJ : British Medical Journal. 2007;334(7605):1181-.
1066. Wise J. Pfizer accused of testing new drug without ethical approval. BMJ (Clinical research ed). 2001;322(7280):194-.
1067. OpenSecrets.org. Pfizer Inc [Internet]. Online: OpenSecrets.org; 2021 [Available from: [https://www.opensecrets.org/orgs/pfizer-inc/summary?fbclid=IwAR0uRgAX8VRjoNdDRAPrJqevlwv\\_00oCl-r7hMBf2OWtdvghB442qD7sQc&id=D000000138](https://www.opensecrets.org/orgs/pfizer-inc/summary?fbclid=IwAR0uRgAX8VRjoNdDRAPrJqevlwv_00oCl-r7hMBf2OWtdvghB442qD7sQc&id=D000000138)].
1068. Halabi S, Heinrich A, Omer SB. No-Fault Compensation for Vaccine Injury — The Other Side of Equitable Access to Covid-19 Vaccines. New England Journal of Medicine. 2020;383(23):e125.
1069. Hugh O'Connell SMaEOR. State to underwrite virus vaccine firms to reassure patients as UK approves Pfizer jab. Irish Independent. 2021 Dec 02.
1070. Immunology BSf. Report reveals the rising rates of autoimmune conditions London, UK2021 [Available from: <https://www.immunology.org/news/report-reveals-the-rising-rates-autoimmune-conditions#:~:text=For%20different%20autoimmune%20conditions%2C%20incidence,such%20as%20type%201%20diabetes>].
1071. Therapeutics S. New biopharmaceutical company Sitryx launches with \$30 million fundraising to develop disease modifying therapeutics in immunometabolism Los Angeles, California, United States: GlobeNewswire; 2018 Oct. 18 [Available from: <http://www.globenewswire.com/news-release/2018/10/08/1617744/0/en/New-biopharmaceutical-company-Sitryx-launches-with-30-million-fundraising-to-develop-disease-modifying-therapeutics-in-immunometabolism.html>].
1072. WHO. Vaccine injury compensation programmes [Internet]. Genva, SwitzerlandGACVS meeting of 5-6 December 2018, published in the019 Jan 25 [Available from: [https://www.who.int/vaccine\\_safety/committee/topics/pharmacovigilance/Dec\\_2018\\_VICPs/en/](https://www.who.int/vaccine_safety/committee/topics/pharmacovigilance/Dec_2018_VICPs/en/)].
1073. Kelly CLaH. No-fault compensation following adverse events attributed to vaccination: a review of international programmes. Bulletin of the World Health Organization. 2011;89:371-8.
1074. GAVI. Covax Geneva, Switzerland: Bill and Melinda Gates Foundation; 2020 [Available from: <https://www.gavi.org/covax-facility>].
1075. HRSA. About the National Vaccine Injury Compensation Program [Internet]. Washington D.C.: U.S. Department of Health and Human Services; 2020 [updated Dec 2020. Available from: <https://www.hrsa.gov/vaccine-compensation/about/index.html#:~:text=The%20National%20Childhood%20Vaccine%20Injury,be%20injured%20by%20certain%20vaccines>].
1076. Bancsi A, Houle SKD, Grindrod KA. Shoulder injury related to vaccine administration and other injection site events. Canadian family physician Medecin de famille canadien. 2019;65(1):40-2.
1077. (HHS) TUSDoHaHS. National Vaccine Injury Compensation Program: Revisions to the Vaccine Injury Table. Washington, D.C., United States: National Vaccine Injury Compensation Program (VICP) 2021 Jan 21.
1078. Desk BN. Covid vaccines: G7 increase support for Covax scheme London, UK: BBC News Online; 2021 [Available from: <https://www.bbc.com/news/world-56130419>].

1079. So AD, Woo J. Reserving coronavirus disease 2019 vaccines for global access: cross sectional analysis. *BMJ*. 2020 Dec 07;371:m4750.
1080. Guarascio F. Under pressure, WHO plans COVID-19 vaccine insurance scheme for poor nations Canary Wharf, London, United Kingdom: Thomson Reuters; 2020 Oct 29 [Available from: <https://www.reuters.com/article/health-coronavirus-who-vaccines-idUSKBN27E2E6>].
1081. Torres I, Artaza O, Profeta B, Alonso C, Kang J. COVID-19 vaccination: returning to WHO's Health For All. *Lancet Glob Health*. 2020;8(11):e1355-e6.
1082. Guarascio F. Lack of Clarity on Liability Could Cause Delay with WHO Coronavirus Vaccine Drive. *Insurance Journal*. 2020 Oct 16.
1083. Abutaleb ERaY. U.S. says it won't join WHO-linked effort to develop, distribute coronavirus vaccine. *The Washington Post*. 2020 Sept 01.
1084. Kumar I. World Economic Forum founder says Joe Biden 'will boost multilateralism: WEF; 2020 [updated Nov 09 2020. Available from: <https://www.euronews.com/2020/11/17/world-economic-forum-founder-says-joe-biden-will-boost-multilateralism>].
1085. Carl O'Donnell AS. Biden to pledge \$4 billion to COVAX vaccine program at G7 meeting Friday Ontario, Canada: Thomson Reuters; 2021 Feb [Available from: <https://www.reuters.com/article/us-usa-biden-covax-idUSKBN2AI2YP>].
1086. WEF. COVID-19: AstraZeneca gets partial immunity in low-cost EU vaccine deal [Internet]. Geneva, Switzerland2020 [Available from: <https://www.weforum.org/agenda/2020/10/astrazeneca-partial-immunity-eu-vaccine/>].
1087. Fairgrieve D, Holm S, Howells G, Kirchhelle C, Vanderslott S. In favour of a bespoke COVID-19 vaccines compensation scheme. *Lancet Infect Dis*. 2021;21(4):448-50.
1088. Administration HRaS. Countermeasures Injury Compensation Program (CICP): administrative implementation, interim final rule. Interim final rule with request for comments. *Fed Regist*. 2010;75(199):63655-88.
1089. Meyers PH. The Trump administration's flawed decision on coronavirus vaccine injury compensation: recommendations for changes. *Journal of Law and the Biosciences*. 2020;7(1).
1090. Sedensky BCaM. Rare vaccine injury claims steered to obscure federal office [Internet]. AP news, New York, NY: Gannett Media Corp; 2020 Dec. 22 [Available from: <https://apnews.com/article/us-news-coronavirus-pandemic-coronavirus-vaccine-8baa26690da5ec1136b9bd1e997a00e4>].
1091. Bracken A. Government is being urged to set up a compensation scheme for injuries linked to vaccines. *Irish Independent*. 2021 May 02.
1092. Desk N. French family files case over woman's death following AstraZeneca Covid-19 vaccine shot. *The Straits Times*. 2021 Apr 21.
1093. Desk N. COVID-19: Family of Italian woman who died after Oxford-AstraZeneca vaccine launches legal action Sunnyvale, California, U.S: Verizon Media; 2021 Apr 18 [Available from: <https://uk.news.yahoo.com/covid-19-family-italian-woman-011100503.html>].
1094. Kalokerinos A. Archie Kalokerinos Online: Quote Master; 2021 [Available from: <https://www.quotemaster.org/q828a15574f10f5862edb3e8215a1db6c>].
1095. Eniola Kasim BM. The Wonderful World of Virology Dublin, Ireland: University College Dublin; 2019 Jul 09 [Available from: <https://publichealth.wustl.edu/the-wonderful-world-of-virology/>].
1096. Grover N. Novavax hopes to crack elusive vaccine for common respiratory virus Toronto, Canada: Thomson Reuters; 2015 [Available from: <https://www.reuters.com/article/us-novavax-vaccine-idUSKCN0QFOCA20150810>].
1097. authors W. Innate immune system [Internet]. Wikipedia; 2020 [Available from: [https://en.wikipedia.org/wiki/Innate\\_immune\\_system#:~:text=The%20innate%20leukocytes%20include%3A%20natural,pathogens%20that%20might%20cause%20infection](https://en.wikipedia.org/wiki/Innate_immune_system#:~:text=The%20innate%20leukocytes%20include%3A%20natural,pathogens%20that%20might%20cause%20infection)].
1098. Grice EA, Segre JA. The skin microbiome. *Nat Rev Microbiol*. 2011;9(4):244-53.

1099. Visscher MO, Randall Wickett R. Hand hygiene compliance and irritant dermatitis: a juxtaposition of healthcare issues. *Int J Cosmet Sci.* 2012;34(5):402-15.
1100. Milner ECB, Anolik J, Cappione A, Sanz I. Human innate B cells: a link between host defense and autoimmunity? *Springer Semin Immunopathol.* 2005;26(4):433-52.
1101. Alberts B JA, Lewis J, et al. . B Cells and Antibodies. *Molecular Biology of the Cell.* 4th edition ed. New York: Garland Science; 2002.
1102. Mesel-Lemoine M, Millet J, Vidalain P-O, Law H, Vabret A, Lorin V, et al. A human coronavirus responsible for the common cold massively kills dendritic cells but not monocytes. *Journal of virology.* 2012;86(14):7577-87.
1103. Widge AT, Roupheal NG, Jackson LA, Anderson EJ, Roberts PC, Makhene M, et al. Durability of Responses after SARS-CoV-2 mRNA-1273 Vaccination. *New England Journal of Medicine.* 2020;384(1):80-2.
1104. Inc. P. Pfizer and BioNTech Conclude Phase 3 Study of COVID-19 Vaccine Candidate, Meeting All Primary Efficacy Endpoints [Internet]. 2020 [updated Wednesday, November 18, 2020 - 06:59am. Available from: <https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-conclude-phase-3-study-covid-19-vaccine>.
1105. Pfizer. Pfizer and BioNTech Provide Update on Booster Program in Light of the Delta-Variant New York, New York, United States: Pfizer; 2021 Jul.
1106. Wu L-P, Wang N-C, Chang Y-H, Tian X-Y, Na D-Y, Zhang L-Y, et al. Duration of antibody responses after severe acute respiratory syndrome. *Emerging infectious diseases.* 2007;13(10):1562-4.
1107. Le Bert N, Tan AT, Kunasegaran K, Tham CYL, Hafezi M, Chia A, et al. SARS-CoV-2-specific T cell immunity in cases of COVID-19 and SARS, and uninfected controls. *Nature.* 2020;584(7821):457-62.
1108. Health Nlo. Immune cells for common cold may recognize SARS-CoV-2 Bethesda, Maryland U.S. Department of Health and Human Services; 2020 [Available from: <https://www.nih.gov/news-events/nih-research-matters/immune-cells-common-cold-may-recognize-sars-cov-2>.
1109. Doshi P. Covid-19: Do many people have pre-existing immunity? *BMJ.* 2020;370:m3563.
1110. Mateus J, Grifoni A, Tarke A, Sidney J, Ramirez SI, Dan JM, et al. Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. *Science (New York, NY).* 2020;370(6512):89.
1111. Grifoni A, Weiskopf D, Ramirez SI, Mateus J, Dan JM, Moderbacher CR, et al. Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. *Cell.* 2020;181(7):1489-501.e15.
1112. Cheemarla NR, Watkins TA, Mihaylova VT, Wang B, Zhao D, Wang G, et al. Dynamic innate immune response determines susceptibility to SARS-CoV-2 infection and early replication kinetics. *Journal of Experimental Medicine.* 2021;218(8).
1113. Dan JM, Mateus J, Kato Y, Hastie KM, Faliti CE, Ramirez SI, et al. Immunological memory to SARS-CoV-2 assessed for greater than six months after infection. *bioRxiv.* 2020 Nov 16:2020.11.15.383323.
1114. Gaebler C, Wang Z, Lorenzi JCC, Muecksch F, Finkin S, Tokuyama M, et al. Evolution of Antibody Immunity to SARS-CoV-2. *bioRxiv.* 2020 Jan 18:2020.11.03.367391.
1115. Dan JM, Mateus J, Kato Y, Hastie KM, Yu ED, Faliti CE, et al. Immunological memory to SARS-CoV-2 assessed for up to eight months after infection. *bioRxiv.* 2021 Feb 05:2020.11.15.383323.
1116. Schwarzkopf S, Krawczyk A, Knop D, Klump H, Heinold A, Heinemann FM, et al. Cellular Immunity in COVID-19 Convalescents with PCR-Confirmed Infection but with Undetectable SARS-CoV-2-Specific IgG. *Emerg Infect Dis.* 2021;27(1).
1117. Oxford Uo. Prior COVID-19 infection offers protection from re-infection for at least six months [Internet ]. Oxford, UK University of Oxford and Oxford University Hospitals (OUH) NHS Foundation Trust; 2020 [updated Nov. 20 2020. Available from: <https://www.ox.ac.uk/news/2020-11-20-prior-covid-19-infection-offers-protection-re-infection-least-six-months#>.

1118. Hospital TU. TUH Release Results on Healthcare Worker COVID-19 Antibodies Study - TallaghtHospital Trinity College Dublin: Tallaght University Hospital 2020 Oct [Available from: <https://www.tuh.ie/News/TUH-Release-Results-on-Healthcare-Worker-COVID-19-Antibodies-Study.html>].
1119. Hernandez STaD. Should People Who Have Had Covid-19 Wait to Get a Vaccine? The Wall Street Journal. 2021.
1120. Moloney M. People who Never Contracted Covid-19 Should be Given Priority for Vaccine [Internet]. Dublin, Ireland: News 106 Limited; 2020 [Available from: <https://www.newstalk.com/news/people-who-never-contracted-covid-19-should-be-given-priority-for-vaccine-kingston-mills-1129417>].
1121. Bubar KM, Reinholt K, Kissler SM, Lipsitch M, Cobey S, Grad YH, et al. Model-informed COVID-19 vaccine prioritization strategies by age and serostatus. medRxiv. 2020:2020.09.08.20190629.
1122. Ross JD. B.C.G. and the Heaf test. Lancet. 1969;2(7628):1006-7.
1123. MacDonald A. A Skin Test To Measure T-Cell Immunity to SARS-CoV-2 Sudbury, UK: Technology Networks; 2021 Mar 31 [Available from: <https://www.technologynetworks.com/diagnostics/blog/a-skin-test-to-measure-t-cell-immunity-to-sars-cov-2-347298>].
1124. Wood R, Thomson E, Galbraith R, Gribben C, Caldwell D, Bishop J, et al. Sharing a household with children and risk of COVID-19: a study of over 300 000 adults living in healthcare worker households in Scotland. Archives of Disease in Childhood. 2021:archdischild-2021-321604.
1125. Jackson KM, Nazar AM. Breastfeeding, the Immune Response, and Long-term Health. The Journal of the American Osteopathic Association. 2006;106(4):203-7.
1126. Neu J, Rushing J. Cesarean versus vaginal delivery: long-term infant outcomes and the hygiene hypothesis. Clin Perinatol. 2011;38(2):321-31.
1127. Zeng H, Xu C, Fan J, Tang Y, Deng Q, Zhang W, et al. Antibodies in Infants Born to Mothers With COVID-19 Pneumonia. Jama. 2020;323(18):1848-9.
1128. Flannery DD, Gouma S, Dhudasia MB, Mukhopadhyay S, Pfeifer MR, Woodford EC, et al. Assessment of Maternal and Neonatal Cord Blood SARS-CoV-2 Antibodies and Placental Transfer Ratios. JAMA Pediatrics. 2021.
1129. Vanek M. Exposure to Covid-19 Reached 40% Among Some Cape Town Residents New York, New York, United States: Bloomberg News; 2020 Sep 04 [Available from: <https://www.bloomberg.com/news/articles/2020-09-04/exposure-to-covid-19-reached-40-among-some-cape-town-residents>].
1130. Goldstein BD. The precautionary principle also applies to public health actions. American journal of public health. 2001;91(9):1358-61.
1131. Okada H, Kuhn C, Feillet H, Bach JF. The 'hygiene hypothesis' for autoimmune and allergic diseases: an update. Clinical and experimental immunology. 2010;160(1):1-9.
1132. Lerner A, Jeremias P, Matthias T. The World Incidence and Prevalence of Autoimmune Diseases is Increasing2015. 151-5 p.
1133. Sara L. Thomas CGM, Liam Smeeth, Cleo Rooney and Andrew J. Hall. Burden of Mortality Associated With Autoimmune Diseases Among Females in the United Kingdom. Am J Public Health. 2010 Nov;100(11):2279–87.
1134. Rau SJWaLM. Autoimmune diseases: a leading cause of death among young and middle-aged women in the United States. Am J Public Health. 2000;90(9):1463–6.
1135. contributors W. Interferon. Wikipedia2018.
1136. Matthew F. Cusick JELaRSF. Molecular Mimicry as a Mechanism of Autoimmune Disease. Clin Rev Allergy Immunol. 2012 42(1):102-11.
1137. Evans SS, Repasky EA, Fisher DT. Fever and the thermal regulation of immunity: the immune system feels the heat. Nat Rev Immunol. 2015;15(6):335-49.

1138. Shaheen SO, Aaby P, Hall AJ, Barker DJ, Heyes CB, Shiell AW, et al. Measles and atopy in Guinea-Bissau. *Lancet*. 1996;347(9018):1792-6.
1139. Dubois HA. On the treatment of fever by a cold Unknown 1876.
1140. Gunduz S, Usak E, Koksall T, Canbal M. Why Fever Phobia Is Still Common? *Iran Red Crescent Med J*. 2016;18(8):e23827-e.
1141. Ray JJ, Schulman CI. Fever: suppress or let it ride? *Journal of thoracic disease*. 2015;7(12):E633-E6.
1142. Young P, Saxena M, Bellomo R, Freebairn R, Hammond N, van Haren F, et al. Acetaminophen for Fever in Critically Ill Patients with Suspected Infection. *New England Journal of Medicine*. 2015;373(23):2215-24.
1143. Bennett IL. Pathogenesis of Fever. In: El-Radhi ASC, James and Klein, Nigel, editor. *Clinical Manual of Fever in Children*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2009. p. 47-61.
1144. Unger M, Karanikas G, Kerschbaumer A, Winkler S, Aletaha D. Fever of unknown origin (FUO) revised. *Wien Klin Wochenschr*. 2016;128(21-22):796-801.
1145. Attard L, Tadolini M, De Rose DU, Cattalini M. Overview of fever of unknown origin in adult and paediatric patients. *Clinical and experimental rheumatology*. 2018;36 Suppl 110(1):10-24.
1146. Dinarello CA. Infection, fever, and exogenous and endogenous pyrogens: some concepts have changed. *Journal of endotoxin research*. 2004;10(4):201-22.
1147. Meremikwu MM, Oyo-Ita A. Paracetamol versus placebo or physical methods for treating fever in children. *Cochrane Database of Systematic Reviews*. 2002(2).
1148. Evans SS, Repasky EA, Fisher DT. Fever and the thermal regulation of immunity: the immune system feels the heat. *Nat Rev Immunol*. 2015;15(6):335-49.
1149. Moore A. Paracetamol: widely used and largely ineffective: Cochrane UK; 2016 Aug 12 [Available from: <https://www.evidentlycochrane.net/paracetamol-widely-used-ineffective/>].
1150. Kurosawa S, Kobune F, Okuyama K, Sugiura A. Effects of antipyretics in rinderpest virus infection in rabbits. *The Journal of infectious diseases*. 1987;155(5):991-7.
1151. Graham GG, Davies MJ, Day RO, Mohamudally A, Scott KF. The modern pharmacology of paracetamol: therapeutic actions, mechanism of action, metabolism, toxicity and recent pharmacological findings. *Inflammopharmacology*. 2013;21(3):201-32.
1152. Beasley R, Semprini A, Mitchell EA. Risk factors for asthma: is prevention possible? *The Lancet*. 2015;386(9998):1075-85.
1153. Prymula R, Siegrist CA, Chlibek R, Zemlickova H, Vackova M, Smetana J, et al. Effect of prophylactic paracetamol administration at time of vaccination on febrile reactions and antibody responses in children: two open-label, randomised controlled trials. *Lancet*. 2009;374(9698):1339-50.
1154. Barragán-Meijueiro M, Morfin B, Nava-Ocampo A. A Mexican population – based study on exposure to Paracetamol and the risk of wheezing, rhinitis, and eczema in childhood. *Journal of investigational allergology & clinical immunology : official organ of the International Association of Asthmology (INTERASMA) and Sociedad Latinoamericana de Alergia e Inmunología*. 2006;16:247-52.
1155. Einstein A. Those who have the privilege to know have the duty to act, and in that action are the seeds of new knowledge: Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/6882601-those-who-have-the-privilege-to-know-have-the-duty#:~:text=%E2%80%9CThose%20who%20have%20the%20privilege%20to%20know%20have%20the%20duty,the%20seeds%20of%20new%20knowledge.%E2%80%9D>].
1156. Thomas SL, Wheeler JG, Hall AJ. Contacts with varicella or with children and protection against herpes zoster in adults: a case-control study. *Lancet*. 2002;360(9334):678-82.
1157. Forbes H, Douglas I, Finn A, Breuer J, Bhaskaran K, Smeeth L, et al. Risk of herpes zoster after exposure to varicella to explore the exogenous boosting hypothesis: self controlled case series study using UK electronic healthcare data. *BMJ*. 2020;368:l6987.
1158. Maltz F, Fidler B. Shingrix: A New Herpes Zoster Vaccine. *P & T : a peer-reviewed journal for formulary management*. 2019;44(7):406-33.



1159. Gump BB. The Great Barrington Declaration: When Arrogance Leads to Recklessness Washington, DC, US: U.S. News & World Report; 2020 [Available from: <https://www.usnews.com/news/healthiest-communities/articles/2020-11-06/when-scientists-arrogance-leads-to-recklessness-the-great-barrington-declaration>.
1160. Jones D, Helmreich S. A history of herd immunity. *Lancet*. 2020;396(10254):810-1.
1161. Orwell G. The most effective way to destroy people is to deny and obliterate their own understanding of their history: GoodReads; 2021 [Available from: <https://www.goodreads.com/quotes/tag/rewriting-history>.
1162. WHO. Coronavirus disease (COVID-19): Herd immunity, lockdowns and COVID-19 Geneva, Switzerland: WHO; 2021 Dev [Available from: <https://www.who.int/news-room/q-a-detail/herd-immunity-lockdowns-and-covid-19#>.
1163. Delamater PL, Street EJ, Leslie TF, Yang YT, Jacobsen KH. Complexity of the Basic Reproduction Number ( $R(0)$ ). *Emerging infectious diseases*. 2019;25(1):1-4.
1164. Mahase E. Covid-19: What is the R number? *BMJ*. 2020;369:m1891.
1165. Adiga A, Dubhashi D, Lewis B, Marathe M, Venkatramanan S, Vullikanti A. Models for COVID-19 Pandemic: A Comparative Analysis. *ArXiv*. 2020.
1166. Desk N. Coronavirus: Prof Neil Ferguson quits government role after 'undermining' lockdown London, UK: BBC Global News Ltd; 2020 May [Available from: <https://www.bbc.com/news/uk-politics-52553229#:~:text=Prof%20Neil%20Ferguson%20has%20quit,the%20messages%20on%20social%20distancing>.
1167. Shanmugam R, Ledlow G, Singh KP. Predicting COVID-19 cases with unknown homogeneous or heterogeneous resistance to infectivity. *bioRxiv*. 2020:2020.12.21.423761.
1168. Cameron-Chileshe AGAJ. Less than half UK population to receive coronavirus vaccine, says task force head. *Financial Times*. 2020 Oct 04.
1169. WHO. Episode #1 - Herd immunity Geneva, Switzerland: WHO; 2020 Aug. [Available from: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/media-resources/science-in-5/episode-1>.
1170. Higgins-Dunn N. Dr. Fauci says letting the coronavirus spread to achieve herd immunity is 'nonsense' and 'dangerous' [Internet]. *CNBC Consumer News and Business Channel*; 2020 [updated Oct 15 2020].
1171. Allen J. Fauci says herd immunity could require nearly 90% to get coronavirus vaccine [Internet]. Canary Wharf, London,: Reuters news agency; 2020 Dec. 24 [Available from: <https://www.reuters.com/article/health-coronavirus-usa/fauci-says-herd-immunity-could-require-nearly-90-to-get-coronavirus-vaccine-idINL1N2J411V>.
1172. Omer SB, Yildirim I, Forman HP. Herd Immunity and Implications for SARS-CoV-2 Control. *Jama*. 2020;324(20):2095-6.
1173. Report G. Global report: Australian PM backtracks on plan to make coronavirus vaccine mandatory. *The Guardian*. 2020.
1174. Goldstein S. Half of England's population has antibodies against coronavirus, says statistics agency New York, New York, United States: Dow Jones & Company; 2021 Mar 30 [Available from: <https://www.marketwatch.com/story/half-of-englands-population-has-antibodies-against-coronavirus-says-statistics-agency-11617096916>.
1175. Einstein A. Look deep into nature, and then you will understand everything better: GoodReads; 2021 [Available from: <https://www.goodreads.com/quotes/32930-look-deep-into-nature-and-then-you-will-understand-everything>.
1176. Singh H, Chauhan P, Kakkar AK. Hydroxychloroquine for the treatment and prophylaxis of COVID-19: The journey so far and the road ahead. *European journal of pharmacology*. 2021;890:173717-.

1177. Trials NC. A Study of Hydroxychloroquine, Vitamin C, Vitamin D, and Zinc for the Prevention of COVID-19 Infection (HELPCOVID-19) Maryland, United States: U.S. Department of Health and Human Services; 2021 [Available from: <https://clinicaltrials.gov/ct2/show/NCT04335084>.
1178. Caly L, Druce JD, Catton MG, Jans DA, Wagstaff KM. The FDA-approved drug ivermectin inhibits the replication of SARS-CoV-2 in vitro. *Antiviral Research*. 2020;178:104787.
1179. Plaisier AP, Alley ES, Boatin BA, Van Oortmarssen GJ, Remme H, De Vlas SJ, et al. Irreversible effects of ivermectin on adult parasites in onchocerciasis patients in the Onchocerciasis Control Programme in West Africa. *The Journal of infectious diseases*. 1995;172(1):204-10.
1180. Hellwig MD, Maia A. A COVID-19 prophylaxis? Lower incidence associated with prophylactic administration of ivermectin. *International journal of antimicrobial agents*. 2021;57(1):106248.
1181. Caly L, Druce JD, Catton MG, Jans DA, Wagstaff KM. The FDA-approved drug ivermectin inhibits the replication of SARS-CoV-2 in vitro. *Antiviral Res*. 2020;178:104787.
1182. Galan LEB, Santos NMD, Asato MS, Araújo JV, de Lima Moreira A, Araújo AMM, et al. Phase 2 randomized study on chloroquine, hydroxychloroquine or ivermectin in hospitalized patients with severe manifestations of SARS-CoV-2 infection. *Pathog Glob Health*. 2021;115(4):235-42.
1183. CDC. Ivermectin in Adults With Severe COVID-19. Maryland, US: NIH; 2021 [Available from: <https://clinicaltrials.gov/ct2/show/NCT04602507>.
1184. Chaccour C, Casellas A, Blanco-Di Matteo A, Pineda I, Fernandez-Montero A, Ruiz-Castillo P, et al. The effect of early treatment with ivermectin on viral load, symptoms and humoral response in patients with non-severe COVID-19: A pilot, double-blind, placebo-controlled, randomized clinical trial. *EClinicalMedicine*.
1185. Ahmed S, Karim MM, Ross AG, Hossain MS, Clemens JD, Sumiya MK, et al. A five day course of ivermectin for the treatment of COVID-19 may reduce the duration of illness. *Int J Infect Dis*. 2020:S1201-9712(20)32506-6.
1186. Hill A, Garratt A, Levi J, Falconer J, Ellis L, McCann K, et al. Meta-analysis of randomized trials of ivermectin to treat SARS-CoV-2 infection. *Open Forum Infectious Diseases*. 2021.
1187. Ali MJ, Hanif M, Haider MA, Ahmed MU, Sundas F, Hirani A, et al. Treatment Options for COVID-19: A Review. *Frontiers in medicine*. 2020;7:480-.
1188. Piyush R, Rajarshi K, Khan R, Ray S. Convalescent plasma therapy: a promising coronavirus disease 2019 treatment strategy. *Open Biol*. 2020;10(9):200174.
1189. Marovich M, Mascola JR, Cohen MS. Monoclonal Antibodies for Prevention and Treatment of COVID-19. *Jama*. 2020;324(2):131-2.
1190. FDA. Coronavirus (COVID-19) Update: FDA Authorizes Monoclonal Antibody for Treatment of COVID-19 Silver Spring, Maryland, US: FDA; 2020 Nov 09 [Available from: <https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-authorizes-monoclonal-antibody-treatment-covid-19>.
1191. Cashman KD DK, Skrabakova Z, Gonzalez-Gross M, Valtuena J, De Henauw S, , et al. Vitamin D deficiency in Europe: pandemic? . *Am J Clin Nutr*. 2016;103:1033–44.
1192. Fiona O'sullivan EL, Dervla Kelly, Jos van Geffen, Michiel van Weele, Helene McNulty et al. Vitamin D supplementation was safe and it protected against acute respiratory tract infection overall. *The Journal of Nutrition*. 2017 May;147(5):858–68,.
1193. Schwalfenberg G. Vitamin D for influenza. *Can Fam Physician*. 2015 61(6):507.
1194. Adrian R Martineau DAJ, Richard L Hooper, Lauren Greenberg, John F Aloia, Peter Bergman et al., . Vitamin D supplementation to prevent acute respiratory tract infections: systematic review and meta-analysis of individual participant data. *BMJ*. 2017;356(16).
1195. Yayuan Zheng JZ, Manru Zhou, Liao Cui, Weimin Yao , Yuyu Liu Meta-Analysis of Long-Term Vitamin D Supplementation on Overall Mortality *PLOS ONE*. 2013;8(12):1-13.
1196. Grant WB, Lahore H, McDonnell SL, Baggerly CA, French CB, Aliano JL, et al. Evidence that Vitamin D Supplementation Could Reduce Risk of Influenza and COVID-19 Infections and Deaths. *Nutrients*. 2020;12(4):988.
1197. Bleizgys A. Vitamin D and COVID-19: It is time to act. *Int J Clin Pract*. 2020:e13748-e.

1198. Desk BN. Covid: Free Vitamin D pills for 2.5 million vulnerable in England London, UK: BBC Global News Ltd; 2020 Nov 28 [Available from: <https://www.bbc.com/news/health-55108613>.
1199. desk N. Covid: UK government requests guidance on vitamin D use. The Guardian. 2020 Nov 14.
1200. ClinicalTrials.gov. Efficacy of Vitamin D Supplementation to Prevent the Risk of Acquiring COVID-19 in Healthcare Workers (COVID-19) Bethesda, MD, United States: U.S. National Library of Medicine 2021 [Available from: <https://clinicaltrials.gov/ct2/show/NCT04535791>.
1201. Annweiler C, Beaudenon M, Gautier J, Simon R, Dubée V, Gonsard J, et al. COvid-19 and high-dose VITamin D supplementation TRIAL in high-risk older patients (COVIT-TRIAL): study protocol for a randomized controlled trial. *Trials*. 2020;21(1):1031.
1202. King A. An uncommon cold. *New Sci*. 2020;246(3280):32-5.
1203. Hemilä H, Chalker E. Vitamin C for preventing and treating the common cold. *Cochrane Database Syst Rev*. 2013(1):Cd000980.
1204. Golding LMaB. New York hospitals treating coronavirus patients with vitamin C. *New York Post*. 2020 Mar. 24.
1205. Carr AC, Rowe S. The Emerging Role of Vitamin C in the Prevention and Treatment of COVID-19. *Nutrients*. 2020;12(11).
1206. Feyaerts AF, Luyten W. Vitamin C as prophylaxis and adjunctive medical treatment for COVID-19? *Nutrition*. 2020;79-80:110948.
1207. Science M, Johnstone J, Roth DE, Guyatt G, Loeb M. Zinc for the treatment of the common cold: a systematic review and meta-analysis of randomized controlled trials. *CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne*. 2012;184(10):E551-E61.
1208. Kumar A, Kubota Y, Chernov M, Kasuya H. Potential role of zinc supplementation in prophylaxis and treatment of COVID-19. *Medical hypotheses*. 2020;144:109848.
1209. Pal A, Squitti R, Picozza M, Pawar A, Rongioletti M, Dutta AK, et al. Zinc and COVID-19: Basis of Current Clinical Trials. *Biological trace element research*. 2020:1-11.
1210. Heller RA, Sun Q, Hackler J, Seelig J, Seibert L, Cherkezov A, et al. Prediction of survival odds in COVID-19 by zinc, age and selenoprotein P as composite biomarker. *Redox Biology*. 2021;38:101764.
1211. Medicine USNLo. Placebo Controlled Trial to Evaluate Zinc for the Treatment of COVID-19 in the Outpatient Setting Washington D.C.: U.S. Department of Health and Human Services; 2020 [Available from: <https://clinicaltrials.gov/ct2/show/NCT04621461>.
1212. Fehr AR, Perlman S. Coronaviruses: an overview of their replication and pathogenesis. *Methods Mol Biol*. 2015;1282:1-23.
1213. Zeng Q, Langereis MA, van Vliet ALW, Huizinga EG, de Groot RJ. Structure of coronavirus hemagglutinin-esterase offers insight into corona and influenza virus evolution. *Proceedings of the National Academy of Sciences of the United States of America*. 2008;105(26):9065-9.
1214. Bleibtreu A, Jaureguierry S, Houhou N, Boutolleau D, Guillot H, Vallois D, et al. Clinical management of respiratory syndrome in patients hospitalized for suspected Middle East respiratory syndrome coronavirus infection in the Paris area from 2013 to 2016. *BMC Infect Dis*. 2018;18(1):331.
1215. Kim CH. SARS-CoV-2 Evolutionary Adaptation toward Host Entry and Recognition of Receptor O-Acetyl Sialylation in Virus-Host Interaction. *Int J Mol Sci*. 2020;21(12).
1216. Robson B. Bioinformatics studies on a function of the SARS-CoV-2 spike glycoprotein as the binding of host sialic acid glycans. *Comput Biol Med*. 2020;122:103849.
1217. Arora R, Chawla R, Marwah R, Arora P, Sharma RK, Kaushik V, et al. Potential of Complementary and Alternative Medicine in Preventive Management of Novel H1N1 Flu (Swine Flu) Pandemic: Thwarting Potential Disasters in the Bud. *Evidence-based complementary and alternative medicine : eCAM*. 2011;2011:586506.
1218. WHO. Report of the WHO-China Joint Mission on Coronavirus Disease 2019 (COVID-19) Geneva, Switzerland: WHO 2019 16-24 Feb. .

1219. Wilks S, de Graaf M, Smith DJ, Burke DF. A review of influenza haemagglutinin receptor binding as it relates to pandemic properties. *Vaccine*. 2012;30(29):4369-76.
1220. Song JM, Lee KH, Seong BL. Antiviral effect of catechins in green tea on influenza virus. *Antiviral Res*. 2005;68(2):66-74.
1221. Roschek B, Jr., Fink RC, McMichael MD, Li D, Alberte RS. Elderberry flavonoids bind to and prevent H1N1 infection in vitro. *Phytochemistry*. 2009;70(10):1255-61.
1222. Zakay-Rones Z, Varsano N, Zlotnik M, Manor O, Regev L, Schlesinger M, et al. Inhibition of several strains of influenza virus in vitro and reduction of symptoms by an elderberry extract (*Sambucus nigra* L.) during an outbreak of influenza B Panama. *J Altern Complement Med*. 1995;1(4):361-9.
1223. Moghadamtousi SZ, Kadir HA, Hassandarvish P, Tajik H, Abubakar S, Zandi K. A review on antibacterial, antiviral, and antifungal activity of curcumin. *BioMed research international*. 2014;2014:186864-.
1224. Chen JX, Xue HJ, Ye WC, Fang BH, Liu YH, Yuan SH, et al. Activity of andrographolide and its derivatives against influenza virus in vivo and in vitro. *Biological & pharmaceutical bulletin*. 2009;32(8):1385-91.
1225. Shen X, Zhang X, Liu S. Novel hemagglutinin-based influenza virus inhibitors. *Journal of thoracic disease*. 2013;5 Suppl 2(Suppl 2):S149-S59.
1226. McAuley JL, Gilbertson BP, Trifkovic S, Brown LE, McKimm-Breschkin JL. Influenza Virus Neuraminidase Structure and Functions. *Frontiers in microbiology*. 2019;10:39-.
1227. Priyanka S, Gupta E, Neha M, Mishra P. Shikimic acid as intermediary model for the production of drugs effective against influenza virus. *Phytochemicals as Lead Compounds for New Drug Discovery*. 2020:245-56.
1228. Mahalapbutr P, Sangkhawasi M, Kammarabutr J, Chamni S, Rungrotmongkol T. Rosmarinic Acid as a Potent Influenza Neuraminidase Inhibitor: *In Vitro* and *In Silico* Study. *Curr Top Med Chem*. 2020;20(23):2046-55.
1229. Wu Y, Li JQ, Kim YJ, Wu J, Wang Q, Hao Y. In vivo and in vitro antiviral effects of berberine on influenza virus. *Chinese journal of integrative medicine*. 2011;17(6):444-52.
1230. Enkhtaivan G, Muthuraman P, Kim DH, Mistry B. Discovery of berberine based derivatives as anti-influenza agent through blocking of neuraminidase. *Bioorganic & medicinal chemistry*. 2017;25(20):5185-93.
1231. Zhu Q, Bang TH, Ohnuki K, Sawai T, Sawai K, Shimizu K. Inhibition of neuraminidase by Ganoderma triterpenoids and implications for neuraminidase inhibitor design. *Scientific Reports*. 2015;5(1):13194.
1232. Krawitz C, Mraheil MA, Stein M, Imirzalioglu C, Domann E, Pleschka S, et al. Inhibitory activity of a standardized elderberry liquid extract against clinically-relevant human respiratory bacterial pathogens and influenza A and B viruses. *BMC complementary and alternative medicine*. 2011;11:16-.
1233. Swaminathan K, Dyason JC, Maggioni A, von Itzstein M, Downard KM. Binding of a natural anthocyanin inhibitor to influenza neuraminidase by mass spectrometry. *Anal Bioanal Chem*. 2013;405(20):6563-72.
1234. Krawitz C, Mraheil MA, Stein M, Imirzalioglu C, Domann E, Pleschka S, et al. Inhibitory activity of a standardized elderberry liquid extract against clinically-relevant human respiratory bacterial pathogens and influenza A and B viruses. *BMC Complement Altern Med*. 2011;11:16.
1235. Yi L, Li Z, Yuan K, Qu X, Chen J, Wang G, et al. Small molecules blocking the entry of severe acute respiratory syndrome coronavirus into host cells. *J Virol*. 2004;78(20):11334-9.
1236. Li SY, Chen C, Zhang HQ, Guo HY, Wang H, Wang L, et al. Identification of natural compounds with antiviral activities against SARS-associated coronavirus. *Antiviral Res*. 2005;67(1):18-23.
1237. Frøkiær H, Henningsen L, Metzдорff SB, Weiss G, Roller M, Flanagan J, et al. Astragalus root and elderberry fruit extracts enhance the IFN- $\beta$  stimulatory effects of *Lactobacillus acidophilus* in murine-derived dendritic cells. *PLoS One*. 2012;7(10):e47878.

1238. Kallon S, Li X, Ji J, Chen C, Xi Q, Chang S, et al. Astragalus polysaccharide enhances immunity and inhibits H9N2 avian influenza virus in vitro and in vivo. *Journal of animal science and biotechnology*. 2013;4(1):22-.
1239. McCann DA, Solco A, Liu Y, Macaluso F, Murphy PA, Kohut ML, et al. Cytokine- and interferon-modulating properties of Echinacea spp. root tinctures stored at -20 degrees C for 2 years. *J Interferon Cytokine Res*. 2007;27(5):425-36.
1240. Wu H, Nardone A, Lacetera N. Effects of a standardized purified dry extract from Echinacea angustifolia on proliferation and interferon gamma secretion of peripheral blood mononuclear cells in dairy heifers. *Res Vet Sci*. 2009;87(3):396-8.
1241. Zhai Z, Liu Y, Wu L, Senchina DS, Wurtele ES, Murphy PA, et al. Enhancement of innate and adaptive immune functions by multiple Echinacea species. *J Med Food*. 2007;10(3):423-34.
1242. Karel Rauš SP, Peter Klein, Roland Schoop and Peter Fisher. Effect of an Echinacea-Based Hot Drink Versus Oseltamivir in Influenza Treatment: A Randomized, Double-Blind, Double-Dummy, Multicenter, Noninferiority Clinical Trial. *Curr Ther Res Clin Exp*. 2015;77:66–72.
1243. Zahedipour F, Hosseini SA, Sathyapalan T, Majeed M, Jamialahmadi T, Al-Rasadi K, et al. Potential effects of curcumin in the treatment of COVID-19 infection. *Phytotherapy Research*. 2020;34(11):2911-20.
1244. Aida Sivro DRS, Lyle R. McKinnon. The Role of Cytokine Storm in Influenza Pathogenesis. *Purple Paper*. 2011(23).
1245. Tang Y, Liu J, Zhang D, Xu Z, Ji J, Wen C. Cytokine Storm in COVID-19: The Current Evidence and Treatment Strategies. *Frontiers in immunology*. 2020;11:1708-.
1246. Ding Y, Chen L, Wu W, Yang J, Yang Z, Liu S. Andrographolide inhibits influenza A virus-induced inflammation in a murine model through NF-kappaB and JAK-STAT signaling pathway. *Microbes and infection*. 2017;19(12):605-15.
1247. Sordillo PP, Helson L. Curcumin suppression of cytokine release and cytokine storm. A potential therapy for patients with Ebola and other severe viral infections. *In vivo (Athens, Greece)*. 2015;29(1):1-4.
1248. Carlin G. Rights aren't rights if someone can take them away. They're privileges. Seattle, Washington, US: IMDb; 2021 [Available from: <https://www.imdb.com/title/tt0963207/characters/nm0137506>].
1249. Olejarczyk JP YM. Patient Rights And Ethics. Treasure Island, FL, United States of America: StatPearls Publishing; 2017 Feb 17.
1250. Matijašić M, Meštrović T, Paljetak H, Perić M, Barešić A, Verbanac D. Gut Microbiota beyond Bacteria-Mycobiome, Virome, Archaeome, and Eukaryotic Parasites in IBD. *Int J Mol Sci*. 2020;21(8).
1251. Sullivan SG, Carlson S, Cheng AC, Chilver MB, Dwyer DE, Irwin M, et al. Where has all the influenza gone? The impact of COVID-19 on the circulation of influenza and other respiratory viruses, Australia, March to September 2020. *Euro Surveill*. 2020;25(47).
1252. Kumar P, Chander B. COVID 19 mortality: Probable role of microbiome to explain disparity. *Medical hypotheses*. 2020;144:110209.
1253. Chatterjee B, Karandikar RL, Mande SC. The mortality due to COVID-19 in different nations is associated with the demographic character of nations and the prevalence of autoimmunity. *medRxiv*. 2020:2020.07.31.20165696.
1254. Wallace HA. If we define an American fascist as one who in case of conflict puts money and power ahead of human beings, then there are undoubtedly several million fascists in the United States: AZ Quotes; 2021 [Available from: <https://www.azquotes.com/quote/305824>].
1255. Loughlin E. Ireland to receive at least 4.9m Pfizer vaccines in 2022 and again in 2023 *Irish Examiner*. 2021 May 04.
1256. YouTube. Klaus Wants Everyone To Get The JAB / Hugo Talks. In: Talks H, editor.: YouTube; 2021 Jan. 29.
1257. YouTube. Gates on the Covid-19 vaccine: "You Don't Have A Choice". In: Taylor G, editor.: YouTube; 2020.



1258. Kim JH, Marks, F. & Clemens, J.D. Looking beyond COVID-19 vaccine phase 3 trials. *Nat Med* 2021;27:205–11
1259. YouTube. 80% Jabs STILL Not GOOD Enough For Next Christmas IRELAND / Hugo Talks #lockdown. In: Talks H, editor.: YouTube; 2021 Jan. 28.
1260. Boyd LPaM. Life "won't go back to normal until 2024 when pandemic is over globally" [Interent ]. London, United Kingdom: MGN Ltd; 2021 Jan 30 [Available from: [https://www.mirror.co.uk/news/uk-news/life-wont-go-back-normal-23413477?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=sharebar&fbclid=IwAR2dgmdjq5wgMxuM4jBZ3n-fka6KEaSC5xD1O2r7IRlw0PfxqKXzPaQvt3k](https://www.mirror.co.uk/news/uk-news/life-wont-go-back-normal-23413477?utm_source=facebook.com&utm_medium=social&utm_campaign=sharebar&fbclid=IwAR2dgmdjq5wgMxuM4jBZ3n-fka6KEaSC5xD1O2r7IRlw0PfxqKXzPaQvt3k).
1261. GlobeNewswire. Global COVID-19 vaccine market will be worth USD 25 billion a year by 2024 Los Angeles, California, US: GlobeNewswire; 2021 Apr 14 [Available from: <https://www.globenewswire.com/fr/news-release/2021/04/14/2209727/0/en/Global-Covid-19-vaccine-market-size-to-be-worth-USD-25-billion-by-2024.html>.
1262. Medicine At. Access to Medicine Index 2021. The Netherlands: Access to Medicine Foundation; 2021 Jan.
1263. Wongsrichanalai C, Varma JK, Juliano JJ, Kimerling ME, MacArthur JR. Extensive drug resistance in malaria and tuberculosis. *Emerging infectious diseases*. 2010;16(7):1063-7.
1264. Lee YC, Lee YH, Lu CW, Cheng SY, Yang KC, Huang KC. Measles immunity gaps in an era of high vaccination coverage: A serology study from Taiwan. *Travel Med Infect Dis*. 2020;36:101804.
1265. Hörner C, Schürmann C, Auste A, Ebenig A, Muraleedharan S, Herrmann M, et al. A Highly Immunogenic Measles Virus-based Th1-biased COVID-19 Vaccine. *bioRxiv*. 2020:2020.07.11.198291.
1266. Leitner WW, Ying H, Restifo NP. DNA and RNA-based vaccines: principles, progress and prospects. *Vaccine*. 1999;18(9-10):765-77.
1267. Srivastava IK, Liu MA. Gene vaccines. *Ann Intern Med*. 2003;138(7):550-9.
1268. Adli M. The CRISPR tool kit for genome editing and beyond. *Nature communications*. 2018;9(1):1911-.
1269. Kowalski PS, Rudra A, Miao L, Anderson DG. Delivering the Messenger: Advances in Technologies for Therapeutic mRNA Delivery. *Mol Ther*. 2019;27(4):710-28.
1270. Vilela J, Rohaim MA, Munir M. Application of CRISPR/Cas9 in Understanding Avian Viruses and Developing Poultry Vaccines. *Frontiers in Cellular and Infection Microbiology*. 2020;10(631).
1271. CDC. Understanding mRNA COVID-19 Vaccines Atlanta, Georgia, United States: CDC; 2021 [Available from: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/different-vaccines/mrna.html>].
1272. CDC. Understanding Viral Vector COVID-19 Vaccines Atlanta, Georgia, United States: CDC; 2021 [
1273. Ligtenberg AJM, Brand HS. [What are the differences between the various covid-19 vaccines?]. *Ned Tijdschr Tandheelkd*. 2021;128(epub ahead of print 2021).
1274. Zimmer JCaC. How the Oxford-AstraZeneca Vaccine Works. *The New York Times* 2021 May.
1275. Bull JJ, Nuismer SL, Antia R. Recombinant vector vaccine evolution. *PLoS Comput Biol*. 2019;15(7):e1006857-e.
1276. Gavi. What are viral vector-based vaccines and how could they be used against COVID-19? Geneva, Switzerland: Gavi, the Vaccine Alliance; 2021 [Available from: <https://www.gavi.org/vaccineswork/what-are-viral-vector-based-vaccines-and-how-could-they-be-used-against-covid-19>.
1277. Gonçalves GAR, Paiva RMA. Gene therapy: advances, challenges and perspectives. *Einstein (Sao Paulo)*. 2017;15(3):369-75.
1278. Eric Kowarz et al. Vaccine-Induced Covid-19 Mimicry” Syndrome:Splice reactions within the SARS-CoV-2 Spike open reading frame result in Spike protein variants that may cause thromboembolic events in patients immunized with vector-based vaccines. *Research Square*. 2021 May 26.

1279. Desk DN. COVID: German scientists may know how to prevent vaccine blood clots Bonn, Germany: DW; 2021 [Available from: <https://www.dw.com/en/covid-german-scientists-may-know-how-to-prevent-vaccine-blood-clots/a-57704214>].
1280. YouTube. The race for a COVID-19 vaccine, explained. In: Gates B, editor. Online: YouTube; 2020 Apr 03.
1281. Desk N. Everything you need to know about Valneva's Covid-19 vaccine candidate already being manufactured in the UK. The Journal. 2021.
1282. Valneva Completes Phase 3 Trial Recruitment for its Inactivated COVID-19 Vaccine Candidate [press release]. Saint-Herblain, France: Valneva; 2021 Jun 03.
1283. Champion CR. HepB: A Hepatitis B Vaccine With a Novel Adjuvant. *Ann Pharmacother*. 2021;55(6):783-91.
1284. Staff R. Moderna says COVID-19 vaccine immunity to stay at least a year Canary Wharf, London, United Kingdom: Thomson Reuters; 2021 [Available from: <https://www.reuters.com/article/health-coronavirus-jpm-moderna/moderna-says-covid-19-vaccine-immunity-to-stay-at-least-a-year-idUSL4N2JM3RG>].
1285. Jeyanathan M, Afkhami S, Smaill F, Miller MS, Lichty BD, Xing Z. Immunological considerations for COVID-19 vaccine strategies. *Nat Rev Immunol*. 2020;20(10):615-32.
1286. Anderson RM, Vegvari C, Truscott J, Collyer BS. Challenges in creating herd immunity to SARS-CoV-2 infection by mass vaccination. *The Lancet*. 2020;396(10263):1614-6.
1287. CEPI. CEPI and SK bioscience extend collaboration to develop 'next generation' COVID-19 vaccine [Internet]. Coalition for Epidemic Preparedness Innovations; 2021 [Available from: [https://cepi.net/news\\_cepi/cepi-and-sk-bioscience-to-develop-next-generation-covid-19-vaccine/](https://cepi.net/news_cepi/cepi-and-sk-bioscience-to-develop-next-generation-covid-19-vaccine/)].
1288. JFK. Tolerance implies no lack of commitment to one's own beliefs. Rather it condemns the oppression or persecution of others San Francisco, US: Goodreads, Inc.; 2021 [Available from: <https://www.goodreads.com/quotes/9854853-tolerance-implies-no-lack-of-commitment-to-one-s-own-beliefs>].
1289. Gudi SK, Tiwari KK. Preparedness and Lessons Learned from the Novel Coronavirus Disease. *Int J Occup Environ Med*. 2020;11(2):108-12.
1290. McKenna M. Anatomy of a pandemic: Emergency departments woefully unprepared for bird flu outbreak. *Annals of Emergency Medicine*. 2006;48(3):312-4.
1291. Thompson J. Transhumanism: How Far Is Too Far? *New Bioeth*. 2017;23(2):165-82.
1292. Mirkes R. Transhumanist Medicine: Can We Direct Its Power to the Service of Human Dignity? *Linacre Q*. 2019;86(1):115-26.
1293. Weindling P. 'Julian Huxley and the Continuity of Eugenics in Twentieth-century Britain'. *J Mod Eur Hist*. 2012;10(4):480-99.
1294. Jr. TH. Here's what Bill Gates has to say about those Covid-19 vaccine conspiracy theories he's pegged to Englewood Cliffs, New Jersey, United States: NBC Universal News Group; 2020 Jun 05 [Available from: <https://www.cnbc.com/2020/06/05/bill-gates-responds-to-bizarre-covid-19-vaccine-conspiracy-theories.html>].
1295. Eltorai AEM, Fox H, McGurrin E, Guang S. Microchips in Medicine: Current and Future Applications. *BioMed Research International*. 2016;2016:1743472.
1296. Crescenzo Sd. Dare to Add Microchip-Based Birth Control to Women's Health Portfolio [Internet]. Boston, Massachusetts, United States: Xconomy, Inc.; 2019 Nov. 15 [Available from: <https://xconomy.com/san-diego/2019/11/15/dare-to-add-microchip-based-birth-control-to-womens-health-portfolio/>].
1297. Fact F. Patent application 060606 does not mention inserting microchips into the body London., UK: Full fact; 2020 May 28 [Available from: <https://fullfact.org/online/bill-gates-patent-microchips/>].
1298. Portal WI. WO2020060606 and entitled Cryptocurrency System Using Body Activity Data. Geneva, Switzerland: The Convention establishing the World Intellectual Property Organization

(WIPO); 2021 [Available from:

<https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2020060606>.

1299. Eltorai AEM, Fox H, McGurrin E, Guang S. Microchips in Medicine: Current and Future Applications. BioMed research international. 2016;2016:1743472-.

1300. Authors W. Microchip implant (human) San Francisco, California, US: Wikimedia Foundation; 2021 [Available from: [https://en.wikipedia.org/wiki/Microchip\\_implant\\_\(human\)](https://en.wikipedia.org/wiki/Microchip_implant_(human))].

1301. Rothschild. System and Method for Testing for COVID-19 US20200279585A1 Washington, D.C., United States: The United States Patent and Trademark Office 2020 Sep 03 [Available from: <https://patentimages.storage.googleapis.com/61/a3/0d/3d91325d909386/US20200279585A1.pdf>].

1302. Spacebusters. Spike Protein Depopulation Patents Since 2002. BitChute; 2021.

1303. Europa H. World first COVID-19 smart vaccine patch Congleton, Cheshire, UK: Pan European Networks Ltd 2021 Jan 07 [Available from: <https://www.healtheuropa.eu/world-first-covid-19-smart-vaccine-patch/104768/>].

1304. Shamsi SCaMH. Biosensors-on-chip: a topical review. J Micromech Microeng. 2017;27(083001).

1305. Manivannan S, Ponnuchamy K. Quantum dots as a promising agent to combat COVID-19. Appl Organomet Chem. 2020:e5887.

1306. McHugh KJ, Jing L, Severt SY, Cruz M, Sarmadi M, Jayawardena HSN, et al. Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. Sci Transl Med. 2019;11(523):7162.

1307. McHugh KJea. Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. Sci Transl Med. 2019;11(523):7162.

1308. Probst CE, Zrazhevskiy P, Bagalkot V, Gao X. Quantum dots as a platform for nanoparticle drug delivery vehicle design. Advanced drug delivery reviews. 2013;65(5):703-18.

1309. Samson R, Navale GR, Dharne MS. Biosensors: frontiers in rapid detection of COVID-19. 3 Biotech. 2020;10(9):385.

1310. University of California I. DARPA-funded microchip technology optimizes convalescent plasma therapy for COVID-19 patients Palmyra, Virginia: GlobeNewswire; 2020 Apr. 17 [Available from: [https://www.newswise.com/coronavirus/darpa-funded-microchip-technology-optimizes-convalescent-plasma-therapy-for-covid-19-patients/?article\\_id=730160](https://www.newswise.com/coronavirus/darpa-funded-microchip-technology-optimizes-convalescent-plasma-therapy-for-covid-19-patients/?article_id=730160)].

1311. Hopkins Tanne J. FDA approves implantable chip to access medical records. BMJ (Clinical research ed). 2004;329(7474):1064-.

1312. Hamill J. You can now store Ripple and Bitcoin in a creepy microchip implant that's been compared to 'the mark of the beast'. The Metro. 2018 Jan 08.

1313. Daly MK, Saba CF, Crochik SS, Howerth EW, Kosarek CE, Cornell KK, et al. Fibrosarcoma adjacent to the site of microchip implantation in a cat. J Feline Med Surg. 2008;10(2):202-5.

1314. Albrecht K. Microchip-induced tumors in laboratory rodents and dogs: A review of the literature 1990–2006. International Symposium on Technology and Society. 2021:337-49.

1315. Singh AV, Sitti M. Targeted Drug Delivery and Imaging Using Mobile Milli/Microrobots: A Promising Future Towards Theranostic Pharmaceutical Design. Current pharmaceutical design. 2016;22(11):1418-28.

1316. Sung JH, Wang YI, Narasimhan Sriram N, Jackson M, Long C, Hickman JJ, et al. Recent Advances in Body-on-a-Chip Systems. Analytical chemistry. 2019;91(1):330-51.

1317. Proudnikov D, Kirillov E, Chumakov K, Donlon J, Rezapkin G, Mirzabekov A. Analysis of mutations in oral poliovirus vaccine by hybridization with generic oligonucleotide microchips. Biologicals. 2000;28(2):57-66.

1318. Andries O, Kitada T, Bodner K, Sanders NN, Weiss R. Synthetic biology devices and circuits for RNA-based 'smart vaccines': a propositional review. Expert review of vaccines. 2015;14(2):313-31.

1319. Sailor MJ, Link JR. "Smart dust": nanostructured devices in a grain of sand. Chem Commun (Camb). 2005(11):1375-83.

1320. Fischer T, Agarwal A, Hess H. A smart dust biosensor powered by kinesin motors. *Nat Nanotechnol.* 2009;4(3):162-6.
1321. Stanley SA, Kelly L, Latcha KN, Schmidt SF, Yu X, Nectow AR, et al. Bidirectional electromagnetic control of the hypothalamus regulates feeding and metabolism. *Nature.* 2016;531(7596):647-50.
1322. Wheeler MA, Smith CJ, Ottolini M, Barker BS, Purohit AM, Grippo RM, et al. Genetically targeted magnetic control of the nervous system. *Nat Neurosci.* 2016;19(5):756-61.
1323. Bramstedt KA. When microchip implants do more than drug delivery: blending, blurring, and bundling of protected health information and patient monitoring. *Technol Health Care.* 2005;13(3):193-8.
1324. Elmeligi LBaA. Carbon footprint of the global pharmaceutical industry and relative impact of its major players. *Journal of Cleaner Production.* 2019 Mar 20;214.
1325. Zaffran M. Vaccine transport and storage: environmental challenges. *Dev Biol Stand.* 1996;87:9-17.
1326. Lloyd J, McCarney S, Ouhichi R, Lydon P, Zaffran M. Optimizing energy for a 'green' vaccine supply chain. *Vaccine.* 2015;33(7):908-13.
1327. Miller KA, Thompson KF, Johnston P, Santillo D. An Overview of Seabed Mining Including the Current State of Development, Environmental Impacts, and Knowledge Gaps. *Frontiers in Marine Science.* 2018;4(418).
1328. Risk MJ, Edinger E. Impacts of Sediment on Coral Reefs. In: Hopley D, editor. *Encyclopedia of Modern Coral Reefs: Structure, Form and Process.* Dordrecht: Springer Netherlands; 2011. p. 575-86.
1329. Wedlock DN, Pedersen G, Denis M, Dey D, Janssen PH, Buddle BM. Development of a vaccine to mitigate greenhouse gas emissions in agriculture: vaccination of sheep with methanogen fractions induces antibodies that block methane production in vitro. *N Z Vet J.* 2010;58(1):29-36.
1330. Rees V. Climate change: how pharma will profit from a warming planet Kent, UK: *European Pharmaceutical Review*; 2019 Aug [Available from: <https://www.europeanpharmaceuticalreview.com/article/95845/climate-change-how-pharma-will-profit-from-a-warming-planet/>].
1331. Canning AD, Death RG, Waltham NJ. Pharmaceutical companies should pay for raiding nature's medicine cabinet. *Lancet.* 2021.
1332. Stone HD. Efficacy of experimental animal and vegetable oil-emulsion vaccines for Newcastle disease and avian influenza. *Avian Dis.* 1993;37(2):399-405.
1333. Tateno M, Stone BJ, Srodulski SJ, Reedy S, Gawriluk TR, Chambers TM, et al. Synthetic Biology-derived triterpenes as efficacious immunomodulating adjuvants. *Sci Rep.* 2020;10(1):17090.
1334. Shark Allies. How Many Sharks are Vaccines Demanding? Online: Shark Allies,; 2021 [Available from: <https://www.sharkallies.com/shark-free-products/how-many-sharks-are-vaccines-demanding>].
1335. Devaux RFaA. Mass culling of minks to protect the COVID-19 vaccines: is it rational? *New Microbes New Infect.* 2020 Nov;38.
1336. Desk BWN. Business Wire, a Berkshire Hathaway company, San Francisco, California, United States: , a Berkshire Hathaway company; 2020 Jul [Available from: <https://www.businesswire.com/news/home/20200722005372/en/Worldwide-Pharmaceutical-Glass-Tubing-Industry-to-2025---Featuring-Schott-Nipro-Pharma-Corning-Incorporated-Among-Others---ResearchAndMarkets.com>].
1337. Bai H. When Bottles (as in Medical Vials) Become the Bottleneck: Inside Supply Management Magazine; 2021 [Available from: <https://www.ismworld.org/supply-management-news-and-reports/news-publications/inside-supply-management-magazine/blog/2020-09/when-bottles-as-in-medical-vials-become-the-bottleneck/>].
1338. Bogdanovic J, Halsey NA, Wood RA, Hamilton RG. Bovine and porcine gelatin sensitivity in children sensitized to milk and meat. *The Journal of allergy and clinical immunology.* 2009;124(5):1108-10.

1339. Milko V. Concern among Muslims over halal status of COVID-19 vaccine New York, New York, United States: The American Broadcasting Company 2020 Dec 20 [Available from: <https://abcnews.go.com/Health/wireStory/concern-muslims-halal-status-covid-19-vaccine-74826269>].
1340. Wadman M. Vaccines that use human fetal cells draw fire. *Science* (New York, NY). 2020;368(6496):1170-1.
1341. Rivera-Hernandez T, Carnathan DG, Moyle PM, Toth I, West NP, Young PR, et al. The contribution of non-human primate models to the development of human vaccines. *Discov Med*. 2014;18(101):313-22.
1342. Yu J, Tostanoski LH, Peter L, Mercado NB, McMahan K, Mahrokhian SH, et al. DNA vaccine protection against SARS-CoV-2 in rhesus macaques. *Science* (New York, NY). 2020;369(6505):806-11.
1343. Burden L. Dry ice shortage could delay vaccine rollout. *The Telegraph*. 2020 Nov 10.
1344. Buchwald E. The perils of transporting millions of COVID-19 vaccines with dry ice across the U.S. New York, New York, United States: Dow Jones & Co.; 2020 Dec 10 [Available from: <https://www.marketwatch.com/story/the-challenges-and-perils-of-transporting-millions-of-covid-19-vaccines-with-dry-ice-across-the-u-s-11607355179>].
1345. Shearer GL. Contaminant Identification in Pharmaceutical Products. *The Microscope*. 2003;51(Sep 06):3-10.
1346. May JC, Rains TC, Maienthal FJ, Biddle GN, Progar JJ. A survey of the concentrations of eleven metals in vaccines, allergenic extracts, toxoids, blood, blood derivatives and other biological products. *J Biol Stand*. 1986;14(4):363-75.
1347. Hotez PJ, Corry DB, Strych U, Bottazzi ME. COVID-19 vaccines: neutralizing antibodies and the alum advantage. *Nat Rev Immunol*. 2020;20(7):399-400.
1348. Gao Q, Bao L, Mao H, Wang L, Xu K, Yang M, et al. Rapid development of an inactivated vaccine for SARS-CoV-2. *bioRxiv*. 2020:2020.04.17.046375.
1349. Arumugham V. Evidence that Food Proteins in Vaccines Cause the Development of FoodAllergies and Its Implications for Vaccine Policy. *Journal of Developing Drugs*. 2015;4:1-3.
1350. Jerome JK. Love is like the measles; we all have to go through it San Francisco, California, US Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/7347818-love-is-like-the-measles-we-all-have-to-go>].
1351. WHO. Immunization, Vaccines and Biologicals Measles 2019 [Available from: <https://www.who.int/immunization/diseases/measles/en/>].
1352. WHO. Measles 2018 Nov 29 [Available from: <https://www.who.int/news-room/fact-sheets/detail/measles>].
1353. England PH. Measles notifications and deaths in England and Wales: 1940 to 2016 2017 July 14 [Available from: <https://www.gov.uk/government/publications/measles-deaths-by-age-group-from-1980-to-2013-ons-data/measles-notifications-and-deaths-in-england-and-wales-1940-to-2013>].
1354. Levy A. The girl of three who became only the fourth child in the UK since 2006 to die from 'slapped cheek' virus. *Mail Online*. 2014 Apr 17.
1355. Haelle T. First Confirmed U.S. Measles Death In More Than A Decade. *Forbes*. 2015 Jul 02.
1356. Vaxopedia. When Was the Last Measles Death in the United States? 2019 [updated February 10, 2019. Available from: <https://vaxopedia.org/2018/04/15/when-was-the-last-measles-death-in-the-united-states/>].
1357. Boulianne N, De Serres G, Duval B, R Joly J, Meyer F, Déry P, et al. [Major measles epidemic in the region of Quebec despite a 99% vaccine coverage]1991. 189-90 p.
1358. Moghadam M, Afsarkazerooni P, Ebrahimi M, Soltani M, Razmpoor A, Pirasteh E, et al. Measles outbreak in South of iran, where vaccine coverage was high: a case-series study. *Iranian journal of public health*. 2014;43(3):375-80.
1359. Paunio M, Peltola H, Valle M, Davidkin I, Virtanen M, Heinonen OP. Explosive school-based measles outbreak: intense exposure may have resulted in high risk, even among revaccinees. *Am J Epidemiol*. 1998;148(11):1103-10.



1360. Catalonia tWGftSotMOi, Domínguez A, Martínez A, Rovira A, Cabezas C, Plasencia E, et al. Large Outbreak of Measles in a Community with High Vaccination Coverage: Implications for the Vaccination Schedule. *Clinical Infectious Diseases*. 2008;47(9):1143-9.
1361. Hayman DTS. Measles vaccination in an increasingly immunized and developed world. *Human vaccines & immunotherapeutics*. 2018;15(1):28-33.
1362. Gidding HF, Quinn HE, Hueston L, Dwyer DE, McIntyre PB. Declining measles antibodies in the era of elimination: Australia's experience. *Vaccine*. 2018;36(4):507-13.
1363. ECDC. Rapid risk assessment: ongoing outbreak of measles in Romania, risk of spread and epidemiological situation in EU/EEA countries, 3 March 2017. 2017 Mar 03.
1364. Pannuti CS, Morello RJ, de Moraes JC, Curti SP, Afonso AMS, Camargo MCC, et al. Identification of Primary and Secondary Measles Vaccine Failures by Measurement of Immunoglobulin G Avidity in Measles Cases during the 1997 São Paulo Epidemic. *Clinical and Diagnostic Laboratory Immunology*. 2004;11(1):119.
1365. Hayman DTS. Measles vaccination in an increasingly immunized and developed world. *Hum Vaccin Immunother*. 2019;15(1):28-33.
1366. Kennedy DA, Read AF. Why does drug resistance readily evolve but vaccine resistance does not? *Proceedings Biological sciences*. 2017;284(1851):20162562.
1367. Paunio M, Hedman K, Davidkin I, Valle M, Heinonen OP, Leinikki P, et al. Secondary measles vaccine failures identified by measurement of IgG avidity: high occurrence among teenagers vaccinated at a young age. *Epidemiol Infect*. 2000;124(2):263-71.
1368. Zimmerman CM, Rosen JB, Doll MK, Zucker JR, Hickman CJ, Rota JS, et al. Outbreak of Measles Among Persons With Prior Evidence of Immunity, New York City, 2011. *Clinical Infectious Diseases*. 2014;58(9):1205-10.
1369. Marineli F, Tsoucalas G, Karamanou M, Androutsos G. Mary Mallon (1869-1938) and the history of typhoid fever. *Ann Gastroenterol*. 2013;26(2):132-4.
1370. Aaby P, Jensen H, Samb B, Cisse B, Sodemann M, Jakobsen M, et al. Differences in female-male mortality after high-titre measles vaccine and association with subsequent vaccination with diphtheria-tetanus-pertussis and inactivated poliovirus: reanalysis of West African studies. *Lancet*. 2003;361(9376):2183-8.
1371. Lewnard JA, Grad YH. Vaccine waning and mumps re-emergence in the United States. *Sci Transl Med*. 2018;10(433).
1372. Westphal DW, Eastwood A, Levy A, Davies J, Huppatz C, Gilles M, et al. A protracted mumps outbreak in Western Australia despite high vaccine coverage: a population-based surveillance study. *The Lancet Infectious Diseases*. 2019;19(2):177-84.
1373. Rubin SA, Link MA, Sauder CJ, Zhang C, Ngo L, Rima BK, et al. Recent mumps outbreaks in vaccinated populations: no evidence of immune escape. *Journal of virology*. 2012;86(1):615-20.
1374. Dylan B. Charity is suppose to cover up for a multitude of sins: AZQuotes; 2021 [Available from: <https://www.azquotes.com/quote/990403>].
1375. globenewswire. CDC Whistleblower to Extend MMR Vaccine Fraud Los Angeles, California, US: Intrado; 2016 May [Available from: <https://www.globenewswire.com/news-release/2016/05/03/836249/0/en/CDC-Whistleblower-to-Extend-MMR-Vaccine-Fraud.html>].
1376. Baio J, Wiggins L, Christensen DL, Maenner MJ, Daniels J, Warren Z, et al. Prevalence of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2014. *MMWR Surveill Summ*. 2018;67(6):1-23.
1377. DeStefano F, Bhasin TK, Thompson WW, Yeargin-Allsopp M, Boyle C. Age at first measles-mumps-rubella vaccination in children with autism and school-matched control subjects: a population-based study in metropolitan atlanta. *Pediatrics*. 2004;113(2):259-66.
1378. Hooker BS. Measles-mumps-rubella vaccination timing and autism among young African American boys: a reanalysis of CDC data. *Translational neurodegeneration*. 2014;3:16.
1379. Brian S. Hooker PD, P.E. Reanalysis of CDC Data on Autism Incidence and Time of First MMR Vaccination. *Journal of American Physicians and Surgeons* 2018;23(Winter).

1380. Statement of William Thompson Ph.D regarding the 2004 Article Examining the Possibility of a Relationship Between the MMR Vaccine and Autism [press release]. 2014
1381. Koleva G. Merck Whistleblower Suit A Boon to Vaccine Foes Even As It Stresses Importance of Vaccines. Forbes. 2012 Jun 27.
1382. United States ex rel. Krahling v. Merck & Co: Hearing before the Stephen A Krahling and Joan A Wlochowski(2012 Apr 27).
1383. Clifford G. Miller E. Questions on the Independence and Reliability of Cochrane Reviews, with a Focus on Measles-Mumps-Rubella Vaccine. Journal of American Physicians and Surgeons 2006 Winter;11.
1384. DeLong G. A Positive Association found between Autism Prevalence and Childhood Vaccination uptake across the U.S. Population. Journal of Toxicology and Environmental Health, Part A. 2011;74(14):903-16.
1385. Guevara C. The revolution is not an apple that falls when ripe. You have to make it fall San Francisco, CA, US: Good Reads; 2021 [Available from: <https://www.goodreads.com/quotes/358165-the-revolution-is-not-an-apple-that-falls-when-ripe>.
1386. AIS. Open letter from medical doctors and health professionals to all Belgian authorities and all Belgian media. - Texas, US: The American Institute of Stress; 2021 [Available from: <https://www.stress.org/open-letter-from-medical-doctors-and-health-professionals-to-all-belgian-authorities-and-all-belgian-media>.
1387. Emer Cooke Executive Director E. Urgent Open Letter from Doctors and Scientists to the European Medicines Agency regarding COVID-19 Vaccine Safety Concerns: Doctors for Covid Ethics; 2021 Feb 28 [Available from: <https://doctors4covidethics.medium.com/urgent-open-letter-from-doctors-and-scientists-to-the-european-medicines-agency-regarding-covid-19-f6e17c311595>.
1388. Desk N. A top scientist questioned virus lockdowns on Fox News. The backlash was fierce. The Washington Post. 2020 Dec 16.
1389. Macaskill SSaA. The ex-Pfizer scientist who became an anti-vax hero Toronto, Canada: Thomson Reuters; 2021 Mar 18 [Available from: <https://www.reuters.com/investigates/special-report/health-coronavirus-vaccines-skeptic/>.
1390. YouTube. Geert Vanden Bossche PhD and his warning to the world against 'Immune Escape'" on In: Discernable, editor.: YouTube; 2021.
1391. Delingpole J. Dr Mike Yeadon. In: Podcast TDTJD, editor.: Podcast; 2021 Apr 01.
1392. Gøtzsche PC. Infection fatality risk for SARS-CoV-2 in community dwelling population of Spain: nationwide seroepidemiological study. BMJ. 2020 Nov 27;371.
1393. London Mo. Dr Heiko Schöning London, UK: Greater London Authority 2021 [Available from: <https://www.london.gov.uk/questions/2020/3775>.
1394. News Y. British-Pakistani doctor's licence suspended for peddling misinformation about Covid-19 New York, New York, United States: Verizon Media; 2020 Jun 29 [Available from: <https://in.news.yahoo.com/british-pakistani-doctors-licence-suspended-peddling-misinformation-covid-012155276.html>.
1395. (WDA) WDA. About WDA World Alliance: WDA; 2021 [Available from: <https://worlddoctorsalliance.com/about/>.
1396. MacNamee G. HSE boss 'quite shocked' to hear of GP refusing to give Covid vaccine Dublin, Ireland: Journal Media; 2021 Feb 12 [Feb 13]. Available from: <https://www.thejournal.ie/hse-boss-gp-covid-vaccine-refusal-5351874-Feb2021/>.
1397. Cullen P. GP to close practice after threat of suspension over anti-mask views. Irish Times 2020 Oct 08.
1398. Raleigh D. GP prepared to fight HSE in event of removal over vaccine views. Irish Times 2021.
1399. Doctors AsF. Welcome to America's Frontline Doctors [Interent]. USA: America's Frontline Doctors; 2021 [Available from: [https://www.americasfrontlinedoctors.com/?utm\\_source=MadMimi&utm\\_medium=email&utm\\_co](https://www.americasfrontlinedoctors.com/?utm_source=MadMimi&utm_medium=email&utm_co)

[ntent=Doctors%20Uncensored%3A%20Bringing%20You%20The%20Truth&utm\\_campaign=20210201\\_m161851070\\_Week%20of%201%2027%2021&utm\\_term=logo\\_590\\_175\\_2\\_png\\_3F1601596787.](https://www.healthimpactnews.com/2020/doctors-around-the-world-issue-dire-warning-do-not-get-the-covid-vaccine/)

1400. Shilhavy B. Doctors Around the World Issue Dire Warning: Do Not Get the Covid Vaccine Bastrop, TX, US: Health Impact News; 2020 Dec 08 [Available from: <https://healthimpactnews.com/2020/doctors-around-the-world-issue-dire-warning-do-not-get-the-covid-vaccine/>].

1401. FLCCC. We regard ivermectin as a core medication in the prevention and treatment of COVID-19: Front Line COVID-19 Critical Care Alliance; 2021 [Available from: <https://covid19criticalcare.com/>].

1402. YouTube. Covid-19: Behind the PCR Curtain. In: Bailey DS, editor.: YouTube; 2021.

1403. Bowcott O. Covid measures will be seen as 'monument of collective hysteria and folly' says ex-judge. The Guardian 2020 Oct 27.

1404. Owen Bowcott HSaAS. Parliament surrendered role over Covid emergency laws, says Lady Hale. The Guardian 2020 Sept 20.

1405. Mooney J. Lawyer Tracey O'Mahony raises €100,000 to challenge Irish Covid regulations. Irish Times. 2021 Jan 10.

1406. YouTube. German Lawyer Sues The World Over Coronavirus. In: Valuetainment, editor.: YouTube; 2021.

1407. Sorensen D. Dr. Reiner Fuellmich: scientific evidence that covid is crime against humanity Colorado, US: Stop World Control; 2021 [Available from: [https://www.stopworldcontrol.com/fuellmich/?fbclid=IwAR1tn81R4nnpTasGbqczT4YYHfhS2yuzNebXlriGOwwCyAN\\_JLnn9lwGRI](https://www.stopworldcontrol.com/fuellmich/?fbclid=IwAR1tn81R4nnpTasGbqczT4YYHfhS2yuzNebXlriGOwwCyAN_JLnn9lwGRI)].

1408. Bernician T. MP's Served Notice of Private Criminal Prosecution For Pandemic Fraud: User Content; 2020 Sep 30 [Available from: <https://www.thebernician.net/mps-served-notice-of-private-criminal-prosecution-for-pandemic-fraud/>].

1409. ICAN. Our Mission Austin, Texas: Informed Consent Action Network; 2021 [Available from: <https://www.icandecide.org/>].

1410. Aaron Siri EAB, Sam M. Muriella. Case 5:20-cv-09456 Document 1 Filed 12/30/20 Page 1 of 30. San Francisco, California, US: United States District Court for the Northern District of California; 2021.

1411. Oversight A. The CDC Has Been Illegally Rejecting Valid FOIA Requests Washington, DC, US: American Oversight; 2020 May 15 [Available from: <https://www.americanoversight.org/the-cdc-has-been-illegally-rejecting-valid-foia-requests-were-suing>].

1412. Analytica D. Evidence for Criminal case against NPHET, Minister for Health, Tony Holohan, Micheal Martin, and RTE: Data Analytica; 2021 [Available from: <http://www.data-analytica.org/evidence.htm>].

1413. Burke CRL. Cardinal Burke: Forces of the 'Great Reset' have used COVID to advance 'evil agenda'. YouTube; 2020.

1414. Viganò A. Abp. Viganò on truth over fear: Archbishop Carlo Maria Viganò; 2021 [Available from: <https://justpaste.it/9bx7f>].

1415. Desk N. Vatican hosting Fauci, Chelsea Clinton, Pfizer CEO, Big Tech oligarchs at 'health' conference: Midwest Theological Forum (2018); 2021 [Available from: <https://www.lifesitenews.com/news/vatican-to-host-conference-featuring-covid-jab-developers-big-tech-leaders-fauci-and-chelsea-clinton>].

1416. Conneely A. Govt blurring lines on emergency Covid powers - IHREC Dublin, Ireland: RTE News; 2021 Feb 24 [Available from: <https://www.rte.ie/news/coronavirus/2021/0225/1199178-human-rights-covid-legislation/>].

1417. Leyonhjelm D. Medicos' massive lockdown mistake. The Australian Financial Review 2020 Jun 11.

1418. Ip G. New Thinking on Covid Lockdowns: They're Overly Blunt and Costly. Wall Street Journal. 2020 Aug 04.

1419. O'Faolain A. Court rejects challenge by Waters and O'Doherty to Covid laws. Irish Times. 2021 Mar 02.
1420. O'Loughlin A. Xpose star Aisling O'Loughlin goes on anti-vax rant. Sunday World. 2021 Apr. 08
1421. Cullen P. Doctors' letter calls for new strategy to 'co-exist' with Covid-19. Irish Times 2020 Oct 19.
1422. Facebook. David Irish Chariot O'Reilly is on Facebook. . In: O'Flaherty DICORaD, editor.: Facebook; 2021 Mar 01.
1423. Twitter Jo. Twitter. Twitter; 2021.
1424. (eISB) ISB. Constitution of Ireland Dublin, Ireland: Office of the Attorney General; 2021 [Available from: <http://www.irishstatutebook.ie/eli/cons/en/html#article41>.
1425. Law USo. A Guide to the referendum on the 31st Amendment to the Constitution Dublin, Ireland: UCD; 2020.
1426. Harold R. McKinnon. Natural Law and Positive Law. Notre Dame L Rev 1948;23.
1427. Gilroy B. Vaccines. In: Gilroy B, editor.: One Drive; 2021.
1428. Happen MC. LIVE: Ben Gilroy Debunks 5 KM. In: Happen MC, editor.: Facebook; 2021 Feb 26.
1429. Cowburne A. 'Completely out of order': Gove tells Tory MP to apologise after accusations of spreading 'dangerous misinformation' on Covid. Independent. 2021.
1430. (RDA) RDA. Democracy is not a right. It's a privilege and we must fight for it together. Mulgrave, Victoria, Australia: Monica Smit; 2021 [Available from: <https://www.abc.net.au/news/2021-02-18/victoria-liberal-mps-address-anti-coronavirus-lockdown-group/13165230>.
1431. YouTube. VIDEO Italian MP Sara Cunial Speech On Bill Gates Insider Paper. In: Fancy G, editor.: YouTube; 2020.
1432. Desk N. FactCheck: Claim made in full-page Irish Times ad about Covid-19 deaths is false Dublin, Ireland: Journal Media; 2020 Oct 15 [Available from: <https://www.thejournal.ie/factcheck-irish-times-covid-19-ad-5234373-Oct2020/>.
1433. Ireland HF. Our Mission Ireland: Health Freedom Ireland; 2021 [Available from: <https://healthfreedomireland.com/>.
1434. Ireland MBMnboHF. Letter sent to government re dramatic rise in excess nursing home deaths: Health Freedom Ireland; 2021 Mar 11 [Available from: <https://healthfreedomireland.com/letter-sent-to-government-re-dramatic-rise-in-excess-nursing-home-deaths/>.
1435. Paul P. Who was Brandy Vaughan? Anti-vaxxer who founded non-profit Learn the Risk discovered dead by 9-year-old son Delaware, United States: MEAWW 2020 Dec 10 [Available from: <https://meaww.com/who-is-brandy-vaughan-anti-vaxxer-activist-founder-of-learn-the-risk-discovered-dead-9-year-old-son>.
1436. Twitter. Andy Heasman. In: Heasman A, editor.: Twitter; 2021.
1437. Hugo. Hugo talks 2021 [Available from: <https://hugotalks.com/2021/07/23/sage-unmasked-part-1-sheep-farm/>.
1438. Blake A. The dangerous game Tucker Carlson is playing on vaccines. The Washington Post. 2021 Mar 16.
1439. O'Brien S. Robert F. Kennedy, Jr was featured in a nearly hour-long live discussion about "Covid, vaccines, health crises" with Alec Baldwin on Instagram. New York, New York: Niall O'Dowd; 2020 Aug, 20 [Available from: <https://www.irishcentral.com/news/robert-f-kennedy-jr-alec-baldwin>.
1440. desk N. Pete Evans: Facebook removes celebrity chef's page over conspiracies [Internet]. London, UK: Bloomsbury Publishing; 2020 Dec. 24 [Available from: <https://www.bbc.com/news/world-australia-55433217>.
1441. Reuters. Novak Djokovic's anti-vaccination stance may stop his return to tennis. The Guardian. 2020 Apr. 20.
1442. Doyle M. Australian Open crowd boos at mention of coronavirus vaccines and Victorian government after Novak Djokovic's win Sydney, Australia Australian Broadcasting Corporation; 2021

Feb 21 [Available from: <https://www.abc.net.au/news/2021-02-21/australian-open-crowd-boo-at-mention-of-vaccines-victorian-govt/13177172>].

1443. Knight L. Comedian Russell Brand has reportedly flouted the new 'Rule of Six' Irish Mirror. 2020 Sep.

1444. Grad S. Jessica Biel, facing criticism, explains why she opposes California vaccine bill. Los Angeles Times. 2019 Jul 13.

1445. Dickson E. A Guide to 17 Anti-Vaccination Celebrities. Rolling Stone 2019 Jun 17.

1446. Canon G. Donald and Melania Trump quietly got Covid vaccines last month, reports say. The Guardian 2021 Mar 02.

1447. Snapes L. Van Morrison criticises 'fascist bullies' in anti-lockdown Covid songs. The Guardian 2020 Sep 18.

1448. Erwin A. Musician Jim Corr takes legal action against Twitter after his account is suspended. Independent 2021 Feb 26.

1449. Beaumont-Thomas B. Noel Gallagher says he refuses to wear a 'pointless' mask despite UK laws. The Guardian 2020 Sep 15.

1450. Consequence. Morrissey Describes Pandemic as "Con-vid," Likens Government Restrictions to Slavery. Twitter; 2021 Jul.

1451. Jagger M. EAZY SLEAZY — Mick Jagger with Dave Grohl — Lyric video. YouTube; 2021 Apr.

1452. Desk N. VAX Live: Concert to help get 27m medical workers vaccinated Doha, Qatar: Al Jazeera Media Network; 2021 Apr [Available from: <https://www.aljazeera.com/news/2021/4/13/vax-live-concert-to-help-get-27m-medical-workers-vaccinated>].

1453. Desk N. 'Catastrophically wrong': German court declares regional lockdown UNCONSTITUTIONAL in 'politically explosive' decision [Internet]. Moscow, Russia: RIA Novosti; 2020 Jan 26 [Available from: <https://www.rt.com/news/513443-german-court-covid-lockdown-unconstitutional/>].

1454. Adams R. Families sue UK government over 'little or no education' for their children. The Guardian. 2021.

1455. Sheahan F. Two hundred parents threaten to sue Department of Education over failure to re-open special schools. The Guardian. 2021 Jan. 22.

1456. PLLC BSK. Parents File Nation-Wide IDEA Class Action Due to COVID-19 School Closures New York, New York: Bond Schoeneck & King PLLC 2021; 2020 [Available from: <https://www.jdsupra.com/legalnews/parents-file-nation-wide-idea-class-98558/>].

1457. Dejong P. Marc Benioff. Time. 2021 Jan 24.

1458. Dartford K. 'We've had enough': In France, Spain and Denmark, anti-lockdown protests continue [Internet]. Lyon, France: Media Globe Networks; 2021 Jan [Available from: <https://www.euronews.com/2021/01/31/we-ve-had-enough-in-france-spain-and-denmark-anti-lockdown-protests-continue>].

1459. Safi M. Hundreds arrested at anti-lockdown protests in Brussels, Budapest and Vienna. The Guardian. 2021 Jan 31.

1460. Dartford K. 'It's not right what's going on': Anti-lockdown protests continue in Belgium, Austria and Slovenia Lyon, France: Euronews; 2021 Feb 01 [Available from: <https://www.euronews.com/2021/02/01/it-s-not-right-what-s-going-on-anti-lockdown-protests-continue-in-belgium-austria-and-slov>].

1461. Slater S. Appeal for witnesses after fire destroys Covid-19 testing and isolation facility in Kilkenny. Irish Examiner 2021 Aug. 13

1462. Kallgren TSaJ. German public health institute targeted by arson attack as tensions rise over COVID-19 restrictions Lyon, France: Euronews 2020 Oct 25 [Available from: <https://www.euronews.com/2020/10/26/german-public-health-institute-targeted-by-arson-attack-as-tensions-rise-over-covid-19-res>].



1463. desk BN. Coronavirus: Ivory Coast protesters target testing centre [Internet]. London, United Kingdom: British Broadcasting Corporation (BBC); 2021 [Available from: <https://www.bbc.com/news/world-africa-52189144>].
1464. Aristotle. The whole is greater than the sum of its parts New York, New York, US: Cornell University; 2021 [Available from: <https://arxiv.org/abs/2001.09650#:~:text=According%20to%20Aristotle%2C%20a%20philosopher,th ought%20in%20the%20twentieth%20century>].
1465. Huxley A. That men do not learn very much from the lessons of history is the most important of all the lessons of history San Francisco, California, US: Brainy Quotes; 2021 [Available from: [https://www.brainyquote.com/quotes/aldous\\_huxley\\_163193](https://www.brainyquote.com/quotes/aldous_huxley_163193)].
1466. Flynn J, Slovic P, Mertz CK. Gender, race, and perception of environmental health risks. Risk analysis : an official publication of the Society for Risk Analysis. 1994;14(6):1101-8.
1467. Kivimäki M, Kalimo R. Risk Perception Among Nuclear Power Plant Personnel: A Survey. 1993;13(4):421-4.
1468. Kollewe J. Pharmaceutical giants not ready for next pandemic, report warns. Guardian. 2021 Jan. 26.
1469. Davenne T, McShane H. Why don't we have an effective tuberculosis vaccine yet? Expert review of vaccines. 2016;15(8):1009-13.
1470. Bamrah S, Yelk Woodruff RS, Powell K, Ghosh S, Kammerer JS, Haddad MB. Tuberculosis among the homeless, United States, 1994-2010. Int J Tuberc Lung Dis. 2013;17(11):1414-9.
1471. Bothamley GH, Cooper E, Shingadia D, Mellanby A. Tuberculin testing before BCG vaccination. Bmj. 2003;327(7409):243-4.
1472. Gostin LO. Jacobson v Massachusetts at 100 years: police power and civil liberties in tension. American journal of public health. 2005;95(4):576-81.
1473. Franck AaP, Art. Not in This Together: How supermarkets became pandemic winners while women workers are losing out Nairobi, Kenya: Oxfam; 2021 [Available from: <https://policy-practice.oxfam.org/resources/not-in-this-together-how-supermarkets-became-pandemic-winners-while-women-work-621194/>].
1474. Desk N. Millions become millionaires during Covid pandemic: BBC News; 2021 Jun 23 [Available from: <https://www.bbc.com/news/business-57575077>].
1475. XinHua. Irish tourism sector decimated by COVID-19 pandemic: minister: XinHuaNet; 2021 May [Available from: [http://www.xinhuanet.com/english/2020-05/07/c\\_139036222.htm](http://www.xinhuanet.com/english/2020-05/07/c_139036222.htm)].
1476. Desk N. Hundreds of pilots, cabin crew and travel agents protest over Covid travel rules; London, UK: ITV News; 2021 Jun 23 [Available from: <https://www.itv.com/news/2021-06-22/travel-sector-holding-day-of-action-in-response-to-restrictions>].
1477. Association P. Musicians call for clear plan to reopen live entertainment industry Dublin, Ireland: Journal.ie; 2021 Jun 23 [Available from: <https://www.thejournal.ie/musician-protest-outside-dail-5475601-Jun2021/>].
1478. Desk N. Number of new Irish startup companies decimated by Covid-19 outbreak. Irish Examiner. 2021 Jun 15
1479. Burke-Kennedy E. Unemployment jumps to 25% on back of renewed lockdown. Irish Times. 2021 Feb 03.
1480. Moberly T. Food banks may close as covid cases surge, charity warns. BMJ. 2021;372:n27.
1481. Trust TT. People forced to food banks at the start of the pandemic faced extreme poverty Salisbury, Wiltshire, UK: Trussell Trust; 2020 Nov 12 [Available from: <https://www.trusselltrust.org/category/press-releases/>].
1482. Dickler J. Students protest mandatory Covid vaccinations at colleges Englewood Cliffs, New Jersey, US: CNBC NEWS; 2021 May 19 [Available from: <https://www.cnn.com/2021/05/19/students-protest-mandatory-covid-vaccinations-at-colleges.html>].

1483. Riegel R. Demand for mental health and suicide prevention services soars during Covid-19 pandemic. Irish Independent. 2021 Apr.
1484. Freyne P. Ireland's mental health pandemic: From crisis to emergency. Irish Times. 2021.
1485. Ward J. Up to 2,000 cancer cases may have been missed because of Covid-19. Irish Examiner. 2020 Nov.
1486. Prof. Valerie Smith et al. The impact of COVID-19 on maternity care Dublin Ireland: Trinity; 2021 [Available from: <https://www.tcd.ie/research/researchmatters/valerie-smith.php>].
1487. HIQA. Advice to the National Public Health Emergency Team An international review: Policies relating to healthcare personnel who do not avail of COVID-19 vaccination. Dublin, Ireland: Health Information and Quality Authority; 2021 Apr.
1488. Press A. Houston Hospital Workers Fired, Resign Over Covid-19 Vaccine New York City, New York, US: Almar Latour, Dow Jones & Company; 2021 Jun [Available from: <https://www.wsj.com/articles/houston-hospital-workers-fired-resign-over-covid-19-vaccine-11624404963>].
1489. Cerullo M. Almost half of all health care workers in U.S. haven't had COVID-19 vaccine, survey shows New York, New York, US: CBS News; 2021 mar 20 [Available from: <https://www.cbsnews.com/news/health-care-workers-covid-19-vaccine-half-not-vaccinated/>].
1490. Conneely A. Govt blurring lines on emergency Covid powers - IHREC: RTE News; 2021 Feb 25 [Available from: <https://www.rte.ie/news/coronavirus/2021/0225/1199178-human-rights-covid-legislation/>].
1491. Orwell G. There was truth and there was untruth, and if you clung to the truth even against the whole world, you were not mad: GoodReads; 2021 [Available from: <https://www.goodreads.com/quotes/48620-there-was-truth-and-there-was-untruth-and-if-you>].
1492. Marley B. Better to die fighting for freedom than be a prisoner all the days of your life 2021 [Available from: <https://www.goodreads.com/quotes/261679-better-to-die-fighting-for-freedom-then-be-a-prisoner>].
1493. Lennon J. Everything will be okay in the end. If it's not okay, it's not the end San Francisco, CA, US: Goodreads; 2021 [Available from: <https://www.goodreads.com/quotes/628927-everything-will-be-okay-in-the-end-if-it-s-not>].





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COVERT-19 lays out the dystopian health future intended by the ruling class including chips, dots and bots. The author stands with healthcare workers against mandatory vaccination by providing valid reasons for vaccine refusal, and with the billions worldwide who have no voice against the devastating effects of lockdown. This book contains 1500 direct references so that the reader has all the evidence, including links to newspaper articles, journals and real-time videos.

COVERT-19 What Public Health Won't Tell You is a courageous and outspoken account of the unvarnished truth that not only blasts 'the official narrative' out of existence, but also provides the reader with direct solutions to our current dilemma. We must stop depending on public health says the author. Vaccinations and healthy ageing is an oxymoron. With the challenges we face, a robust immune system is the only thing we can rely upon. As a triple honours degree Complementary and Alternative Medicine (CAM) practitioner and a mother who has raised seven children naturally, the author informs the reader about the power of the human immune system and provides natural medicine prevention and treatment options that boost natural immunity.

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