Quellen & weiterführende Informationen

- ¹ Shear MD, Crowley M, Glanz J. <u>Coronavirus may kill 100,000 to 240,000 in U.S.</u> <u>despite actions, officials say</u>. *New York Times* Apr. 1, 2020.
- ² University of Washington. <u>COVID-19 Estimations, Projections, Predictions.</u> *Institute for Health Metrics and Evaluation (IHME)* Apr. 1, 2020.
- ³ Timmer J. <u>Inside the model that may be making US, UK rethink coronavirus control.</u> *Ars Technica* Mar. 17, 2020.
- ⁴ Wilson R. Worst-case coronavirus models show massive U.S. toll. The Hill Mar. 13, 2020.
- ⁵ Davis W. Neil Ferguson, <u>Doctor Behind Coronavirus Imperial College Study, Revised Predictions.</u> *Daily Caller Mar.* 26, 2020.
- ⁶ Bernstein D. <u>2.2 Million American Deaths from Covid-19?</u> Reason Magazine Mar. 31, 2020.
- ⁷ Rummler O. <u>CNN: Fauci advises all states issue stay-at-home orders</u>. *Axios* Apr. 3, 2020.
- ⁸ Hatmaker T. <u>CDC recommends Americans wear cloth masks to limit spread of COVID-19.</u> *Tech Crunch* Apr. 2, 2020.
- ⁹ University of Washington. New COVID-19 forecasts: US hospitals could be overwhelmed in the second week of April by demand for ICU beds and U.S. deaths could total 81,000 by July. Institute for Health Metrics and Evaluation (IHME) Press Release Mar. 26, 2020.
- ¹⁰ Ross C. <u>Coronavirus Model Used by White House Projects Less Deaths Than Predicted Earlier</u>. *The National Interest* Apr. 6, 2020.Z
- ¹¹ University of Washington. <u>COVID-19 projection assuming full social distancing through May 2020: United States COVID-19 total deaths projected by Aug. 4</u>. *Institute for Health Metrics and Evaluation (IHME)* Aug. 8, 2020.
- ¹² Parsons R. <u>Dr. Fauci: Return to normal will be gradual, but life may look different until vaccine is ready</u>. *Atlantic Business Systems* Apr. 7, 2020.
- ¹³ Worldometer. COVID-19 Coronavirus Pandemic: Confirmed Cases and Deaths by Country, Territory or Conveyance. Apr. 9, 2020.
- ¹⁴ Mole B. <u>CDC releases first US data on COVID-19 cases in children</u>. *Ars Technica* Apr. 7, 2020.

- ¹⁵ CDC. Coronavirus (COVID-19) Disease Situation Summary. Apr. 7, 2020.
- ¹⁶ Gordon S. Who's most at risk for coronavirus? HealthDay Mar. 18, 2020.
- ¹⁷ Fang L, Karakiulakis G, Roth M. <u>Are patients with hypertension and diabetes mellitus at increased risk for COVID-19 infection?</u> *The Lancet* April 2020; 8.
- ¹⁸ Monet E. <u>Covid-19: The dangers of underlying health conditions for African Americans.</u> *Sacramento Observer* Apr. 7, 2020.
- ¹⁹ Worldometer. <u>U.S. Coronavirus cases and deaths by state.</u>
- ²⁰ Wu X, Nethery RC et al. <u>Exposure to air pollution and COVID-19 morality in the United States</u>. medRxiv Apr. 5 2020.
- ²¹ Verity R, Okell LC et al. <u>Estimates of the severity of coronavirus disease 2019: a model-based analysis.</u> *The Lancet* Mar. 30, 2020.
- ²² CDC. Severe outcomes among patient with Coronavirus disease 2019 (COVID-19) United States, February 12 March 16, 2020. MMWR Mar. 26, 2020. 69(12): 343-346.
- ²³ CDC. Who is at higher risk for serious illness from COVID-19? Apr. 4, 2020.
- ²⁴ NBC Today Show. <u>Interview with Dr. Anthony Fauci.</u> Apr. 9, 2020.
- ²⁵ World Health Organization. <u>WHO declares the new coronavirus outbreak a Public Health Emergency of International Concern</u>. Jan. 30, 2020.
- ²⁶ DHHS. <u>Secretary Azar Declares Public Health Emergency for United States for 2019 Novel Coronavirus</u>. Jan. 31, 2020.
- ²⁷ Iskander J, Strikas RA et al. <u>Pandemic Influenza Planning, United States, 1978-2008.</u> *Emerg Infect Dis* 2013; 19(6): 879-885
- ²⁸ Patriarca PA, Cox NJ. <u>Influenza Pandemic Preparedness Plan for the United States</u>. *J Infect Dis* 1997; 176 (Suppl 1): S4-7.
- ²⁹ Gensheimer KF, Meltzer MI et al. <u>Influenza Pandemic Preparedness.</u> *Emerg Infect Dis* 2003; 9(12): 1645-1648.
- ³⁰ DHHS. <u>A Report of the Public Engagement Pilot Project on Pandemic Influenza</u> (PEPPI). *CDC Vaccine Policy Analysis Collaborative (VPACE)* December 2005.
- ³¹ DHHS. National Pandemic Influenza Plans. CDC June 15, 2017.

- ³² DHHS. <u>Pandemic and All Hazards Preparedness Act.</u> December 2006. <u>Pandemic All Hazards Preparedness Act Reauthorization March 2013.</u>
- ³³ DHHS. <u>Fiscal Year 2019 Budget in Brief Public Health and Social Services</u> <u>Emergency Fund</u>. Office of the Assistant Secretary for Preparedness and Response.
- ³⁴ DHHS. HHS FY2020 Budget in Brief. Mar. 19, 2019.
- ³⁵ Goodman B, Lehmann C. <u>COVID-19 Testing Supply Shortages</u>. *MedicineNet* Mar. 30, 2020.
- ³⁶ Rettke K. COVID-19 testing (like PPE) in short supply. Daily Chronicle Apr. 3, 2020.
- ³⁷ Glover J. <u>Coronavirus medical supply shortage: Nurses protest outside of San Jose hospital for more protective equipment</u>. *ABC* Apr. 1, 2020.
- ³⁸ Alonso-Zaldivar R, Burns R, Fox B. <u>States demand ventilators as feds ration limited supply.</u> *Associated Press* Apr. 2, 2020.
- ³⁹ Wood T. <u>Colorado companies scramble to fill COVID-19 shortages of vital supplies for medical personnel</u>. *Daily Camera* Apr. 4, 2020.
- ⁴⁰ Swaminathan A. <u>Coronavirus pandemic leading to 'unprecedented' financial pain for U.S.</u> households, survey shows. *Yahoo Finance* Apr. 5, 2020.
- ⁴¹ U.S. Bureau of Labor Statistics. <u>U.S. Employment Situation Summary March 2020</u>. *U.S. Bureau of Labor Statistics* Apr. 3, 2020.
- ⁴² Vesoulis A. <u>Coronavirus May Disproportionately Hurt the Poor And That's Bad for Everyone</u>. *Time Magazine* Mar. 11, 2020.
- ⁴³ CNN. <u>Domestic violence victims stuck at home are at risk during coronavirus pandemic</u>. *KIDK2 News* Mar. 27, 2020.
- ⁴⁴ Godin M. <u>As Cities Around the World Go on Lockdown, Victims of Domestic Violence Look for a Way Out</u>. *Time* Mar. 18, 2020
- ⁴⁵ Kovensky J. <u>COVID-19 Spikes Calls To Suicide Hotlines Nationwide.</u> *Talking Points Memo* Mar. 25, 2020.
- ⁴⁶ Timmer J. <u>Inside the model that may be making US, UK rethink coronavirus control.</u> *Ars Technica* Mar. 17, 2020.
- ⁴⁷ Woods A. <u>Coronavirus lockdowns shouldn't end until there's a vaccine, study says</u>. *New York Post* Apr. 9, 2020.

- ⁴⁸ Gottlieb S. National Coronavirus Response: A Road Map to Reopening. American Enterprise Institute (AEI). Mar. 29, 2020.
- ⁴⁹ Virginia Governor Ralph Northam. <u>Temporary Stay at Home Order Due to Novel</u> Coronavirus (COVID-19) March 30, 2020 to June 10, 2020.
- ⁵⁰ Georgieva K. <u>Confronting the Crisis: Priorities for the Global Economy</u>. *International Monetary Fund* Apr. 9, 2020.
- ⁵¹ Gates B. Here's how to make up for lost time on covid-19. Washington Post Mar. 31, 2020.
- ⁵² Langlois S. <u>'Shutdown everywhere' for at least 10 weeks? Bill Gates warns there's 'no middle ground' in the coronavirus fight</u>. *MarketWatch* Apr. 2, 2020.
- ⁵³ TED. <u>Bill Gates on how we must respond to the coronavirus pandemic</u>. You Tube video: 33.46-33.36. Mar. 25, 2020.
- ⁵⁴ C-Span. <u>Dr. Anthony Fauci on COVID-19 herd immunity</u>. White House Coronavirus Task Force Briefing Apr. 6, 2020.
- ⁵⁵ GatesFoundation. <u>Bill & Melinda Gates Foundation Dedicates Additional Funding to the Novel Coronavirus Response.</u> *Gates Foundation Press Release* Feb. 5, 2020.
- ⁵⁶ World Health Organization. World experts and funders set priorities for COVID-19 research. WHO Press Release Feb. 12, 2020.
- ⁵⁷ Moran N. <u>WHO releases COVID-19 roadmap funding efforts in progress.</u> *BioWorld* Mar. 9, 2020.
- ⁵⁸ Ibid.
- ⁵⁹ National Institutes of Health. <u>NIH clinical trial of investigational vaccine for COVID-19 begins.</u> *NIH Press Release* Mar. 16, 2020.
- ⁶⁰ University of Pittsburgh. <u>COVID-19 Vaccine Candidate Shows Promise</u>. *Schools of the Health Sciences Press Release* Apr. 2, 2020.
- ⁶¹ Inovio Pharmaceuticals. <u>Ology Bioservices, Inovio Partner to Manufacture COVID-19</u> <u>DNA Vaccine with \$11.9 Million Department of Defense Grant</u>. Inovio Bioservices, Inc. Press Release Mar. 24, 2020.
- ⁶² World Health Organization. <u>DRAFT landscape of COVID-19 candidate Vaccines</u>. WHO Mar. 20, 2020.

- ⁶³ Cohen J. <u>Vaccine designers take first shots at COVID-19</u>. *Science Magazine* Apr. 3, 2020.
- ⁶⁴ te Velthuis A JW, van den Worm SHE et al. <u>Zn2+ Inhibits Coronavirus and Arterivirus</u> RNA Polymerase Activity *In Vitro* and Zinc Inophores Block the Replication of these <u>Viruses in Cell Culture</u>. *PLoS Pathogens* 2010; 6(11).
- ⁶⁵ Whitney B. <u>Arizona doctor believes Vitamin C could be game changer in COVID-19 treatment</u>. *CBS* Mar. 15, 2020.
- ⁶⁶ Gautret P, Lagier JC et al. <u>Hydroxychloroquine and azithromycin as a treatment of COVID-19: results of an open label non-randomized clinical trial</u>. *International Journal of Antimicrobial Agents* Mar. 17, 2020.
- ⁶⁷ O'Neill. <u>Hydroxychloroquine rated "most effective" coronavirus treatment, poll of doctors finds. New York Post Apr. 2, 2020.</u>
- ⁶⁸ Lovelace B. <u>Coronavirus: Dr. Anthony Fauci warns Americans shouldn't assume hydroxychloroquine is a 'knockout drug.'</u> *CNBC* Apr. 3, 2020.
- ⁶⁹ Zhang L, Kiu Y. <u>Potential interventions for novel coronavirus in China: a systematic review.</u> *J Medical Virology 2020*; 92(5): 479-490.
- ⁷⁰ Los Angeles Times Editorial Board. <u>Hey, anti-vaxxers, are you ready to get your shots yet?</u> Mar. 18, 2020
- ⁷¹ Knight C, Balmert J. Report: Ohio's policies may save lives, but a coronavirus vaccine is what's really needed. *Cincinnati Enquirer* Mar. 21, 2020.
- ⁷² Lurie N, Saville M et al. <u>Developing Covid-19 Vaccines at Pandemic Speed</u>. *NEJM* Mar. 31, 2020.
- ⁷³ Pardeshi P. <u>Vaccines to the Rescue</u>. *Economic and Political Weekly* Apr. 4, 2020.
- ⁷⁴ O'Neal T. <u>Harvard Medical School (HMS) forms consortium for ending the pandemic.</u> <u>Vaccine: The Ultimate Quest</u>. *Super Computing Online* Apr. 1, 2020.
- ⁷⁵ Healthcare Finance August 13, 2010.
- ⁷⁶ Fortune Business Insights. <u>Vaccines Market Size, Share and Industry Analysis by type, route of administration, by disease indication, by age group, by distribution channel and region forecast 2019-2026. February 2020.</u>
- ⁷⁷ Fortune Business Insights. <u>Vaccines Market Size</u>, <u>Share and Industry Analysis by</u>

- type, route of administration, by disease indication, by age group, by distribution channel and region forecast 2019-2026. February 2020.
- ⁷⁸ Jaiswal S. <u>Biotech Stocks, ETFs to Gain on COVID-19 Vaccine & Drug Progress</u>. *Yahoo Finance* Apr. 7, 2020.
- ⁷⁹ Lin E. <u>Coronavirus Vaccine Hopes Have Lifted Moderna Stock. Planned Sales by Insiders Have Surged</u>. *Barron's* Apr. 4, 2020.
- ⁸⁰ Tognini G. Moderna CEO Stephane Bancel Becomes a Billionaire As Stock Jumps on Coronavirus Vaccine News. *Forbes* Apr. 3, 2010.
- ⁸¹ Mundy A. <u>How Big Pharma is Getting Ready to Blackmail Americans</u>. *DC Report* Apr. 5, 2020.
- ⁸² HHS Assistant Secretary for Preparedness and Response. <u>HHS Accelerates Clinical Trials, Prepares for Manufacturing of COVID-19 Vaccines</u>. Mar. 30, 2020.
- ⁸³ Johnson & Johnson . <u>Johnson & Johnson Announces a Lead Vaccine Candidate for COVID-19</u>; <u>Landmark New Partnership with U.S. Department of Health and Human Services</u>; and <u>Commitment to Supply One Billion Vaccines Worldwide for Emergency Pandemic Use</u>. Mar. 20, 2020.
- ⁸⁴ U.S. Food and Drug Administration (FDA). <u>Emergency Use Authorization (EUA)</u>. Feb. 7, 2020.
- ⁸⁵ HHS Assistant Secretary for Preparedness and Response. Pandemic and All Hazards Preparedness Act Progress Report. November 2007.
- ⁸⁶ DHHS. <u>ASPR 2020 Budget in Brief (\$2.6B): Biomedical Advanced Research and Development Authority (\$1.6B) \$256M for pandemic influenza.</u> Feb. 13, 2020.
- ⁸⁷ Fisher BL. <u>Letter to Col. Robert Kadlec, MD (USAF, ret.), Staff Director, US Senate Subcomittee on Bioterrorism and Public Health Preparedness</u>. Nov. 15, 2005. Also CNBC. <u>Pandemic Flu Vaccine and Liability Protection Debate on "Closing Bell" with Barbara Loe Fisher and Christopher Paul Milne, PhD</u>. Dec. 22, 2005.
- ⁸⁸ Steenhuysen J. <u>J&J, Moderna sign deals with U.S. to produce huge quantity of possible coronavirus vaccines</u>. *Reuters* Mar. 30, 2020.
- ⁸⁹ NIAID. <u>NIH Clinical Trial of Investigational Vaccine for COVID-19 Begins Study</u> Enrolling Seattle-Based Healthy Adult Volunteers. Mar. 16, 2020.
- ⁹⁰ ABNewswire. <u>Scientists Test Potential Coronavirus Vaccine Straight on Humans Skipping Mice Trials</u>. Benzinga Mar. 31, 2020.

- ⁹¹ Moderna, Inc. <u>Moderna's Work on a Potential Vaccine Against COVID-19.</u> Mar. 30, 2020.
- ⁹² DiStefano JN. <u>Coronavirus has created a new golden age for vaccines, and Philly is at the heart of it.</u> *Philadelphia Inquirer* Apr. 3, 2020.
- ⁹³ Hui D. Epidemic and Emerging Coronavirus (Severe Acute Respiratory Syndrome and Middle East Respiratory Syndrome). *Clin Chest Med* 2017; 38(1): 71-86.
- ⁹⁴ SLai CC, Shih TP et al. <u>Severe acute respiratory syndrome coronavirus 2 (SARS-CoV2) and coronavirus disease-2019 (COVID-19): The epidemic and the challenges.</u> *Int J Antimicrobial Agents* Feb. 17, 2020.
- ⁹⁵ Cohen J. <u>Vaccine designers take first shots at COVID-19</u>. *Science Magazine* Apr. 3, 2020.
- ⁹⁶ Rauch S, Jasny E et al. <u>New Vaccine Technologies to Combat Outbreak Situations.</u> *Front Immunol* 2018; 9:1963.
- ⁹⁷ UK HealthCentre. Advantages and Disadvantages of DNA Vaccines. April 2020.
- ⁹⁸ Cross R. Will the coronavirus help mRNA and DNA vaccines prove their worth? Chemical and Engineering News Apr. 3, 2020.
- ⁹⁹ Horizon Magazine. <u>Five things you need to know about mRNA vaccines</u>. Apr. 1, 2020.
- ¹⁰⁰ King A. RNA vaccines are coronavirus frontrunners. Chemistry World Mar. 11, 2020.
- ¹⁰¹ Cross R. Will the coronavirus help mRNA and DNA vaccines prove their worth? Chemical and Engineering News Apr. 3, 2020.
- ¹⁰² UK HealthCentre. <u>Advantages and Disadvantages of DNA Vaccines.</u> April 2020.
- ¹⁰³ University of Cambridge. <u>RNA Vaccines: An Introduction.</u> *PHG Foundation* 2018.
- ¹⁰⁴ Zhang A. <u>DNA Vaccines: Scientific and Ethical Bariers to the Vaccines of the Future</u>. *Harvard College Global Health Review* Nov. 15, 2011.
- ¹⁰⁵ Pardi N, Hogan MJ et al. <u>mRNA vaccines a new era in vaccinology</u>. *Nature Reviews Drug Discovery* 2018; 17: 261-279.
- ¹⁰⁶ Research and Markets. <u>15 Pharma Players Leading the Race for a COVID-19 Vaccine</u>. *MarketWatch* Apr. 7, 2020.

- ¹⁰⁷ Less J. <u>These 19 companies are working on coronavirus treatments or vaccines here's where things stand</u>. *MarketWatch* Apr. 1, 2020.
- ¹⁰⁸ RTT News. <u>Inovio, Bejing Advaccine to Advance Development of Vaccine Against</u> Coronavirus. *Nasdaq* Jan. 30, 2020.
- ¹⁰⁹ Ology Bioservices and Inovio Pharmaceuticals, Inc. <u>Ology Bioservices, Inovio Partner to Manufacture COVID-19 DNA Vaccine with \$11.9 Million Department of Defense Grant.</u> Ology and Inovio Press Release Mar. 24 2020.
- ¹¹⁰ Carlson R. <u>INO-4800 DNA Vaccine Description</u>. *Precision Vaccinations* Apr. 10, 2020
- ¹¹¹ Hegde NR. <u>Cell culture based influenza vaccines: A necessary and indispensible investment in the future</u>. *Hum Vaccin Immunother* 2015; 11(5): 1223-1234.
- ¹¹² Carlson R. NVX-CoV2373 SARS-CoV-2 Vaccine. Precision Vaccinations Apr. 8, 2020.
- ¹¹³ Novavax. Matrix-M Adjuvant Technology.
- ¹¹⁴ Deutsch J. <u>German company pushes to accelerate coronavirus vaccine trials.</u> *Politico* Apr. 9, 2020.
- ¹¹⁵ Sticklings T. <u>Sweden sees just 77 new deaths from coronavirus and number of new infections drops by a quarter to just 544 as nation continues to resist lockdown.</u> *Daily Mail* Apr. 10, 2020.