Twitter Thread by Mats - COVIDDash.org

Mats - COVIDDash.org



#MASKUP THREAD

If someone asks: What's the evidence for mask wearing? Here is a list of *SEVENTY* papers, including reviews/meta-analysis and individual studies, in reverse chronological order. Includes 31 from 2020 alone (!!). META = meta-analysis or systematic review.

0/70

1/70

"Visualizing the effectiveness of face masks in obstructing respiratory jets," Verma et al., June 30 2020, Phys Fluids: <u>https://t.co/fdEiXeHe2G</u>

2/70

"Community Use Of Face Masks And COVID-19: Evidence From A Natural Experiment Of State Mandates In The US" Lyu et al., June 16 2020, Health Affairs: <u>https://t.co/71Puhnqai0</u>

3/70

"Association of country-wide coronavirus mortality with demographics, testing, lockdowns, and public wearing of masks" Leffler et al., June 15 2020, medRxiv: <u>https://t.co/wFY8Zwandr</u>

4/70

"Identifying airborne transmission as the dominant route for the spread of COVID-19" Zhang et al., June 11 2020, PNAS: <u>https://t.co/q5vfSnRhEK</u>

5/70

"A modelling framework to assess the likely effectiveness of facemasks in combination with 'lock-down' in managing the COVID-19 pandemic" Stutt et al., June 10 2020, Proc. R. Soc. A.: <u>https://t.co/UOIRfIFhot</u>

6/70

META: "Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and

COVID-19: a systematic review and meta-analysis," June 1 2020, Lancet: https://t.co/y0dY18JraM

7/70

"Face coverings for the public: Laying straw men to rest" Greenhalgh, May 26 2020, Journal of Evaluation of Clinical Practice: <u>https://t.co/SuXmRejMdz</u>

8/70

"COVID-19 and the Social Distancing Paradox: dangers and solutions" Marchiori, May 26 2020, arXiv: <u>https://t.co/0bTACUVmbe</u>

9/70

"Cloth Masks May Prevent Transmission of COVID-19: An Evidence-Based, Risk-Based Approach," Clase et al., May 22 2020, An of Int Med.: <u>https://t.co/TsQtxDi9cm</u>

10/70

"Quantitative Method for Comparative Assessment of Particle Filtration Efficiency of Fabric Masks as Alternatives to Standard Surgical Masks for PPE" Mueller et al., May 18 2020, medRxiv: <u>https://t.co/YmVchAE9yx</u>

11/70

"Reduction of secondary transmission of SARS-CoV-2 in households by face mask use, disinfection and social distancing: a cohort study in Beijing, China" Wang et al., May 11 2020, BMJ Global Health: <u>https://t.co/WH2IDvFNyh</u>

12/70

"The flow physics of COVID-19" Mittal et al., May 1 2020, J. Fluid Mech.: https://t.co/a4s2jn7Gpp

13/70

"Aerosol Filtration Efficiency of Common Fabrics Used in Respiratory Cloth Masks" Konda et al., ACS Nano, April 24 2020: <u>https://t.co/c23IKUcnO2</u>

14/70

"Epidemiological characteristics of COVID-19 in medical staff members of neurosurgery departments in Hubei province: A multicentre descriptive study," Wang et al., Apr 24 2020, medRxiv: <u>https://t.co/JLj8szS0xw</u>

15/70

"A rapid systematic review of the efficacy of face masks and respirators against coronaviruses and other respiratory transmissible..." MacIntyre et al., Apr 21 2020, Int J Nursing Studies: <u>https://t.co/zuUVFutPA9</u>..

16/70

"Universal Masking is Urgent in the COVID-19 Pandemic: SEIR and Agent Based Models, Empirical Validation, Policy Recommendations," Kai et al., Apr 21 2020, arXiv: <u>https://t.co/QOAOYq6fNu</u>

17/70

"Assessment of Fabric Masks as Alternatives to Standard Surgical Masks in Terms of Particle Filtration Efficiency" Mueller

"Visualizing Speech-Generated Oral Fluid Droplets with Laser Light Scattering," Anfinrud et al., Apr 15 2020, N Engl J Med: <u>https://t.co/org11NtXyW</u>

19/70

"Transmission of COVID-19 to Health Care Personnel During Exposures to a Hospitalized Patient — Solano County, California, February 2020," Heinzerling et al., Apr 14 2020, CDC MMWR: <u>https://t.co/8Y7KQigSfD</u>

20/70

META: "Face Masks Against COVID-19: An Evidence Review," Howard et al., Apr 12 2020, Preprints: <u>https://t.co/pvAYZZu9H9</u>

21/70

META: "Face masks for the public during the covid-19 crisis," Greenhalgh et al., April 9 2020, BMJ: https://t.co/4Zw16DPEIQ

22/70

"The Case for Universal Cloth Mask Adoption and Policies to Increase Supply of Medical Masks for Health Workers" Abaluck et al., April 6 2020, SSRN: <u>https://t.co/XDz8YK433M</u>

23/70

META: Facemasks and similar barriers to prevent respiratory illness such as COVID-19: A rapid systematic review," Brainard et al., April 6 2020, medRxiv: <u>https://t.co/ZpvKTD1jhb</u>

24/70

"Physical interventions to interrupt or reduce the spread of respiratory viruses. Part 1 - Face masks, eye protection and person distancing: systematic review and meta-analysis," Jefferson et al., Apr 7 2020, medRxiv: <u>https://t.co/PUt3nLZdul</u>

25/70

"Widespread use of face masks in public may slow the spread of SARS CoV-2: an ecological study," Kenyon, Apr 6 2020, medRxiv: <u>https://t.co/OiKQBdz1CB</u>

26/70

"Could SARS-CoV-2 be transmitted via speech droplets?," Anfinrud et al., Apr 6 2020, medRxiv: https://t.co/6Z1R4RdLSw

27/70

"Respiratory virus shedding in exhaled breath and efficacy of face masks" Leung et al., Nat Med, April 3 2020: <u>https://t.co/IDWGRq28S7</u>

28/70

"Potential Utilities of Mask-Wearing and Instant Hand Hygiene for Fighting SARS-CoV-2" Ma et al., J Med Virol., March 31 2020: <u>https://t.co/ZRFWSPx7vD</u>

"Calibrated Intervention and Containment of the COVID-19 Pandemic," Tian et al., Mar 16 2020, arXiv: <u>https://t.co/rN6Uz6K6Rf</u>

30/70

META: "Effectiveness of N95 Respirators Versus Surgical Masks Against Influenza: A Systematic Review and Meta-Analysis," Long et al., Mar 13 2020, J Evid Based Med.: <u>https://t.co/pK42QXkUDm</u>

31/70

"Association between 2019-nCoV transmission and N95 respirator use," Wang et al., Mar 3 2020, J Hosp Infect.: <u>https://t.co/dMzXzydPog</u>

32/70

"Risk of transmission via medical employees and importance of routine infection-prevention policy in a nosocomial outbreak of Middle East respiratory syndrome (MERS)" Ki et al., Oct 30 2019, BMC Pulm Med.: <u>https://t.co/FmPQS6ld16</u>

33/70

"N95 Respirators vs Medical Masks for Preventing Influenza Among Health Care Personnel, A Randomized Clinical Trial," Radonovich et al., Sept 3 2019, JAMA: <u>https://t.co/XB0fzirHhW</u>

34/70

"Modeling the Effectiveness of Respiratory Protective Devices in Reducing Influenza Outbreak" Yan et al., Sept 19 2018, Risk Analysis: <u>https://t.co/SL6RLXDoO3</u>

35/70

"Risk Factors for Middle East Respiratory Syndrome Coronavirus Infection among Healthcare Personnel," Alraddadi et al., Nov 2016, Emerg Infect Dis.: <u>https://t.co/7jHRATyR3i</u>

36/70

"Surveillance of the Middle East respiratory syndrome (MERS) coronavirus (CoV) infection in healthcare workers after contact with confirmed MERS patients" Kim et al., July 27 2016, Clin Microb Infect.: <u>https://t.co/tKEY1MJDkx</u>

37/70

META: "Effectiveness of N95 respirators versus surgical masks in protecting health care workers from acute respiratory infection: a systematic review and meta-analysis" Smith et al. May 17 2016. CMAJ: <u>https://t.co/OoVFrFINqd</u>

38/70

"Transmission Among Healthcare Worker Contacts With a Middle East Respiratory Syndrome Patient in a Single Korean Centre," Kim et al., Feb 2016, Clin Microbiol Infect.: <u>https://t.co/BXGpz9ktYO</u>

39/70

"Pilot Randomised Controlled Trial to Test Effectiveness of Facemasks in Preventing Influenza-like Illness Transmission Among Australian Hajj Pilgrims in 2011," Barasheed et al., 2014, Infect Disord Drug Targets: <u>https://t.co/EYnYs2df3p</u>

"Protection by Face Masks against Influenza A(H1N1)pdm09 Virus on Trans-Pacific Passenger Aircraft, 2009," Zhang et al., Sep 2013, Emerg Infect Dis.: <u>https://t.co/8LqR4k7Ac2</u>

41/70

"Testing the Efficacy of Homemade Masks: Would They Protect in an Influenza Pandemic?" Davies et al., Aug 2013, Disaster Med Public Health Prep.: <u>https://t.co/ym74JTpU7V</u>

42/70

"Effectiveness of surgical masks against influenza bioaerosols" Booth et al., May 2013, Journal of Hosp Inf: <u>https://t.co/HrQLPfOS8M</u>

43/70

"Influenza Virus Aerosols in Human Exhaled Breath: Particle Size, Culturability, and Effect of Surgical Masks" Milton et al. Mar 7 2013. PLoS Pathog: <u>https://t.co/VvkfV5nKIw</u>

44/70

"Effectiveness of Selected Surgical Masks in Arresting Vegetative Cells and Endospores When Worn by Simulated Contagious Patients," Green at al., Mar 16 2012, Infect Control Hosp Epidemiol.: <u>https://t.co/COuqbVdxcC</u>

45/70

"The Role of Facemasks and Hand Hygiene in the Prevention of Influenza Transmission in Households: Results From a Cluster Randomised Trial; Berlin, Germany, 2009-2011," Suess et al., Jan 26 2012, BMC Infect Dis.: <u>https://t.co/BA2In2K3hi</u>

46/70

"Facemasks, Hand Hygiene, and Influenza Among Young Adults: A Randomized Intervention Trial," Aiello et al., Jan 25 2012, PLoS One: <u>https://t.co/wMFUXKAL1H</u>

47/70

"Is Abdominal Obesity Associated With the 2009 Influenza A (H1N1) Pandemic in Korean School-Aged Children?" Kim et al., Dec 8 2011, Influenza and Other Respiratory Viruses: <u>https://t.co/ep1VDDIwx0</u>

48/70

META: "Physical interventions to interrupt or reduce the spread of respiratory viruses" Jefferson et al., July 6 2011, Cochrane Database Syst Rev.: <u>https://t.co/wKprj5cagj</u>

49/70

"Impact of Non-Pharmaceutical Interventions on URIs and Influenza in Crowded, Urban Households," Larson et al., Mar 2010, Public Health Rep.: <u>https://t.co/G8VbosXLau</u>

50/70

"Mask Use, Hand Hygiene, and Seasonal Influenza-Like Illness Among Young Adults: A Randomized Intervention Trial," Aiello et al., Feb 15 2010, J Infect Dis.: <u>https://t.co/nDQQASiW0k</u>

"Risk factors for SARS infection among hospital healthcare workers in Beijing: a case control study," Tang et al., Oct 7 2009, Trop Med & Int Health: <u>https://t.co/OCRPMgNa4q</u>

52/70

"Facemasks and Hand Hygiene to Prevent Influenza Transmission in Households: A Cluster Randomized Trial," Cowling et al., 6 Oct 2009, Ann Intern Med.: <u>https://t.co/ng9sH4wiSQ</u>

53/70

"A Quantitative Assessment of the Efficacy of Surgical and N95 Masks to Filter Influenza Virus in Patients With Acute Influenza Infection," Johnson et al., July 15 2009, Clin Infect Dis: <u>https://t.co/nkSpYULnnf</u>

54/70

"Face Mask Use and Control of Respiratory Virus Transmission in Households," MacIntyre et al., Feb 2009, Emerg Infect Dis.: <u>https://t.co/SPyWDGjudR</u>

55/70

"The First Randomized, Controlled Clinical Trial of Mask Use in Households to Prevent Respiratory Virus Transmission," MacIntyre et al. Dec 1 2008, Int J Infect Dis.: <u>https://t.co/eKdvAvOzeJ</u>

56/70

"Risk Factors for SARS Infection Within Hospitals in Hanoi, Vietnam," Nishiyama et al., Sep 2008, Jpn J Infect Dis.: <u>https://t.co/XX6gt0IEK1</u>

57/70

"Professional and Home-Made Face Masks Reduce Exposure to Respiratory Infections among the General Population," v.d.Sande et al., July 9 2008, PLoS One: <u>https://t.co/pz1LHUHADP</u>

58/70

"Factors Associated With Nosocomial SARS-CoV Transmission Among Healthcare Workers in Hanoi, Vietnam, 2003," Reynolds et al., Aug 2006, BMC Public Health: <u>https://t.co/ISPnZv6Xtq</u>

59/70

"Investigation of the Influencing Factors on Severe Acute Respiratory Syndrome Among Health Care Workers," Pei et al., June 18 2006, Beijing Da Xue Xue Bao Yi Xue Ban: <u>https://t.co/xLhEtkgGBe</u>

60/70

"Simple Respiratory Mask," Dato et al., June 2006, Emerg Infect Dis.: https://t.co/Vav7zmGNnc

61/70

"Rapid Awareness and Transmission of Severe Acute Respiratory Syndrome in Hanoi French Hospital, Vietnam," Jul 1 2005, Am J Trop Med and Hyg.: <u>https://t.co/coc6jmb2zy</u>

"Asymptomatic SARS Coronavirus Infection among Healthcare Workers, Singapore," Wilder-Smith et al., July 2005, Emerg Inf Dis.: <u>https://t.co/ebcOID87Qm</u>

63/70

"Factors associated with transmission of severe acute respiratory syndrome among health-care workers in Singapore," Teleman et al., Nov 8 2004, Epidemiol Infect.: <u>https://t.co/W9Sg0V8zun</u>

64/70

"SARS Transmission, Risk Factors, and Prevention in Hong Kong," Lau et al., Apr 2004, Emerg Infect Dis.: <u>https://t.co/5zPtHkUi5x</u>

65/70

"Mild Illness Associated with Severe Acute Respiratory Syndrome Coronavirus Infection: Lessons from a Prospective Seroepidemiologic Study of Health-Care Workers in a Teaching Hospital in Singapore," Ho et al., Feb 15 2004, J Infect Dis.: <u>https://t.co/OxzHEq0nwi</u>

66/70

"Risk Factors for SARS among Persons without Known Contact with SARS Patients, Beijing, China" Wu et al., Feb 2004, Emerg Infect Dis: <u>https://t.co/bTkLamjqdp</u>

67/70

"SARS Among Critical Care Nurses, Toronto," Loeb et al., Feb 2004, Emerg Infect Dis.: https://t.co/d50otdmfzH

68/70

"Effectiveness of Personal Protective Measures in Prevention of Nosocomial Transmission of Severe Acute Respiratory Syndrome," Yin et al., Jan 2004. Zhonghua Liu Xing Bing Xue Za Zhi: <u>https://t.co/G0cXIPPEPA</u>

69/70

"Illness in Intensive Care Staff After Brief Exposure to Severe Acute Respiratory Syndrome," Scales et al., Oct 2003, Emerg Infect Dis.: <u>https://t.co/cX5QKQwWhr</u>

70/70

"Effectiveness of precautions against droplets and contact in prevention of nosocomial transmission of severe acute respiratory syndrome (SARS)," Seto et al., May 3 2003, Lancet: <u>https://t.co/s73MYugRbr</u>