

KIDSCORONA

COVID-19 Child and Mother Open Data and Biobank Project

LITERATURE REPOSITORY DURING THE OUTBREAK COVID-19: pediatrics and maternal-fetal medicine

Compilation of publications, agency data, society statements and any other reports or resources that may be of interest

REPORT#16 – 13 August 2020

LIST OF LAST WEEK'S PUBLICATIONS

(6 to 13 August 2020)

PEDIATRICS:

ORIGINAL DATA

Clinical presentation

- [Multimodality cardiac evaluation in children and young adults with multisystem inflammation associated with COVID-19](#). Theocharis et al. European Heart Journal. 2020 Aug 7. doi: 10.1093/ehjci/jeaa212
- [Clinical and epidemiological features of 46 children under 1 year old with coronavirus disease 2019 \(COVID-19\) in Wuhan, China: a descriptive study](#). Liu et al. The Journal of Infectious Diseases. 2020 Aug 6. doi: 10.1093/infdis/jiaa472
- [COVID-19 and Children: Adding Another Piece to the Puzzle](#). Ristagno et al. Clinical Infectious Diseases. 2020 Aug 8. doi: 10.1093/cid/ciaa1182.
- [Intussusception in two children with SARS-CoV-2 infection in children](#). Makrinioti et al. Journal of the Pediatric Infectious Diseases Society. 2020 Aug 8. doi: 10.1093/jpids/piaa096
- [Single-cell RNA-seq reveals profound monocyte changes in Paediatric Inflammatory Multisystem Syndrome Temporally associated with SARS-CoV-2 infection \(PIMS-TS\)](#). Syrimi et al. Preprint available in medRxiv. doi: 10.1101/2020.08.06.20164848. *This article has not been peer-reviewed.*

Transmission and Seroprevalence

- [Kinetics of viral clearance and antibody production across age groups in SARS-CoV-2 infected children](#). Bahar et al. Preprint available in medRxiv. 2020 Aug 7. doi: 10.1101/2020.08.06.20162446. *This article has not been peer-reviewed.*
- [An Examination of School Reopening Strategies during the SARS-CoV-2 Pandemic](#). Landeros et al. Preprint available in medRxiv. 2020 Aug 6. doi: 10.1101/2020.08.05.20169086. *This article has not been peer-reviewed.*
- [Model-based projections for COVID-19 outbreak size and student-days lost to closure in Ontario childcare centres and primary schools](#). Phillips et al. Preprint available in medRxiv. 2020 Aug 11. doi: 10.1101/2020.08.07.20170407. *This article has not been peer-reviewed.*

- [Quantifying threat from COVID-19 infection hazard in Primary Schools in England](#). Sparks et al. Preprint available in medXriv. doi: 10.1101/2020.08.07.20170035. *This article has not been peer-reviewed.*
- [Seroprevalence of anti-SARS-CoV-2 IgG antibodies in children with household exposition to adults with COVID-19: preliminary findings](#). Valentini et al. Preprint available in medXriv. doi: 10.1101/2020.08.10.20169912. *This article has not been peer-reviewed.*
- [Prevention of COVID-19 infection in a pediatric oncology ward in Wuhan](#). Zhang et al. 2020 Aug 11. doi: 10.1002/pbc.28424.
- [Burden of illness in households with SARS-CoV-2 infected children](#). Teherani et al. Journal of the Pediatric Infectious Diseases Society. 2020 Aug 11. doi: 10.1093/jpids/piaa097.

Child well-care

- [Effects of the Global Coronavirus Disease-2019 Pandemic on Early Childhood Development: Short- and Long-Term Risks and Mitigating Program and Policy Actions](#). Yoshikawa et al. J Pediatr. 2020 Aug. doi: 10.1016/j.jpeds.2020.05.020. PMID: 32439312. PMCID: PMC7234941.

Mental health

- [Children's Anxiety and Physical Activity during COVID-19 in Relation to Prenatal Exposure to Gestational Diabetes](#). Alves et al. Preprint available in medXriv. doi: 10.1101/2020.08.06.20169565. *This article has not been peer-reviewed.*
- [COVID-19 Crisis Impacts on Parent and Child Psychological Well-being](#). Gassman-Pines et al. Pediatrics. 2020 Aug. doi: 10.1542/peds.2020-007294
- [COVID-19 and Mental Health: A Study of its Impact on Students](#). Moghe et al. Preprint available in medXriv. doi: 10.1101/2020.08.05.20160499. *This article has not been peer-reviewed.*

REVIEWS

- [A Pediatric Infectious Disease Perspective on COVID-19](#). Wald et al. Clinical Infectious Diseases. 2020 Aug 7. doi: 10.1093/cid/ciaa1095.
- [Best practice for infection prevention in pediatric respiratory clinics during the COVID-19 epidemic](#). Zhang et al. World J Pediatr. 2020 Aug. doi: 10.1007/s12519-020-00377-x. PMID: 32588213 PMCID: PMC7315111.
- [Pediatric COVID-19: what disease is this?](#) Hon et al. World J Pediatr. 2020 Aug. doi: 10.1007/s12519-020-00375-z. PMID: 32556887 PMCID: PMC7297931.

COMMENTS

- [Telemedicine for management of paediatric infectious diseases during COVID-19 outbreak](#). Esposito et al. J Clin Virol. 2020 Aug. doi: 10.1016/j.jcv.2020.104522. PMID: 32652477. PMCID: PMC7309815.

- [COVID-19, asthma, and return to school](#). Abrams et al. 2020 Aug 6. doi: 10.1016/S2213-2600(20)30353-2.
- [K-12 Virtual Schooling, COVID-19, and Student Success](#). Black et al. JAMA Pediatr. 2020 Aug 11. doi: 10.1001/jamapediatrics.2020.3800.

PUBLIC HEALTH GUIDANCE

- [Operational Considerations on the American Academy of Pediatrics Guidance for K-12 School Reentry](#). Wang et al. JAMA Pediatr. 2020 Aug 11. doi: 10.1001/jamapediatrics.2020.3871.

OTHER RESOURCES

- [Possible Impact of COVID-19 on Children in Africa, Reflections from Italy and Burkina Faso](#). Ouedraogo et al. Journal of Tropical Pediatrics. 2020 Aug 7. doi: 10.1093/tropej/fmaa055.
- [Paediatric Attendances and Acuity in the Emergency Department during the COVID-19 Pandemic](#). Rose et al. Preprint available in medXriv. 2020 Aug 6. doi: 10.1101/2020.08.05.20168666. *This article has not been peer-reviewed.*
- [Outcomes of a Rapid Adolescent Telehealth Scale-Up During the COVID-19 Pandemic](#). Wood et al. J Adolesc Health. 2020 Aug. doi: 10.1016/j.jadohealth.2020.05.025. PMID: 32611509 PMCID: PMC7321038.
- [The COVID-19 Pandemic and Rapid Implementation of Adolescent and Young Adult Telemedicine: Challenges and Opportunities for Innovation](#). Barney et al. J Adolesc Health. 2020 Aug. doi: 10.1016/j.jadohealth.2020.05.006. PMID: 32410810. PMCID: PMC7221366.
- [Reflections on the COVID-19 Pandemic and Health Disparities in Pediatric Psychology](#). Valenzuela et al. Journal of Pediatric Psychology. 2020 Aug 8. doi: 10.1093/jpepsy/jjaa063.
- [The effect of school closures and reopening strategies on COVID-19 infection dynamics in the San Francisco Bay Area: a cross-sectional survey and modeling analysis](#). Head et al. Preprint available in medXriv. doi: 10.1101/2020.08.06.20169797. *This article has not been peer-reviewed.*

MATERNAL-FETAL MEDICINE:

ORIGINAL DATA

Clinical presentation

- [A multicenter study on epidemiological and clinical characteristics of 125 newborns born to women infected with COVID-19 by Turkish Neonatal Society](#). Oncel et al. *Eur J Pediatr*. 2020 Aug 10. doi: 10.1007/s00431-020-03767-5. PMID: 32776309.
- [Is Pregnancy an Immunological Contributor to Severe or Controlled COVID-19 Disease?](#) Hanna et al. *Am J Reprod Immunol*. 2020 Aug 5. doi: 10.1111/aji.13317. PMID: 32757366.
- [Severe acute respiratory syndrome coronavirus 2 in pregnancy: symptomatic pregnant women are only the tip of the iceberg](#). Khalil et al. *Am J Obstet Gynecol*. 2020 Aug. doi: 10.1016/j.ajog.2020.05.005. PMID: 32387327 PMCID: PMC7204681.
- [Placental SARS-CoV-2 in a Pregnant Woman with Mild COVID-19 Disease](#). Hsu et al. *J Med Virol*. 2020 Aug 4. doi: 10.1002/jmv.26386. PMID: 32749712.
- [Histopathology of Third Trimester Placenta from SARS-CoV-2-Positive Women](#). He et al. Preprint available in medRxiv. doi: 10.1101/2020.08.11.20173005. *This article has not been peer-reviewed.*

Transmission and Seroprevalence

- [Vertical Transmission of SARS-CoV-2 \(COVID-19\): Are Hypotheses More than Evidences?](#) Auriti et al. *Am J Perinatol*. 2020 Aug 5. doi: 10.1055/s-0040-1714346. PMID: 32757186.

Obstetric and neonatal outcomes

- [Characteristics and Outcomes of 241 Births to Women With Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Infection at Five New York City Medical Centers](#). Khoury et al. *Obstet Gynecol*. 2020 Aug. doi: 10.1097/AOG.0000000000004025. PMID: 32555034.

Maternal and child well-care

- [Now is the time: a call for increased access to contraception and safe abortion care during the COVID-19 pandemic](#). Kumar et al. *BMJ Glob Health*. 2020 Jul;5(7):e003175. doi: 10.1136/bmjgh-2020-003175. PMID: 32690484 PMCID: PMC7371486
- [Effect of the COVID-19 pandemic response on intrapartum care, stillbirth, and neonatal mortality outcomes in Nepal: a prospective observational study](#). Ashish KC et al. *The Lancet*. 2020 Aug 10. doi: 10.1016/S2214-109X(20)30345-4.
- [Clarifying the Sweeping Consequences of COVID-19 in Pregnant Women, Newborns, and Children With Existing Cohorts](#). Jessika Hu et al. *JAMA Pediatr*. 2020 Aug 10. doi: 10.1001/jamapediatrics.2020.2395.

- Preparedness, administrative challenges for establishing obstetric services, and experience of delivering over 400 women at a tertiary care COVID-19 hospital in India. Mahajan et al. Int J Gynaecol Obstet. 2020 Aug 5. doi: 10.1002/ijgo.13338. PMID: 32757389.

REVIEWS

- Potential effects of SARS-CoV-2 infection during pregnancy on fetuses and newborns are worthy of attention. Dang et al. J Obstet Gynaecol Res. 2020 Aug 10. doi: 10.1111/jog.14406. PMID: 32779309.
- COVID-19 and pregnancy: A review of clinical characteristics, obstetric outcomes and vertical transmission. Pettiroso et al. Aust N Z J Obstet Gynaecol. 2020 Aug 10. doi: 10.1111/ajo.13204. PMID: 32779193.
- Severe Coronavirus Infections in Pregnancy: A Systematic Review. Galang et al. Obstet Gynecol. 2020 Aug. doi: 10.1097/AOG.0000000000004011. PMID: 32544146.
- Vertical Transmission of Severe Acute Respiratory Syndrome Coronavirus 2: A Systematic Review. Yang et al. Am J Perinatol. 2020 Aug. doi: 10.1055/s-0040-1712161. PMID: 32403141.

COMMENTS

- Challenges for the Pediatricians During the Coronavirus Disease 2019 Pandemic Start From the Neonatal Period. Gkentzi et al. Pediatr Infect Dis J. 2020 Jul. doi: 10.1097/INF.0000000000002713. PMID: 32345828 PMCID: PMC7359911
- Inclusion of pregnant women in COVID-19 vaccine development. Heath et al. The Lancet Infectious Diseases. 2020 Aug 11. doi: 10.1016/S1473-3099(20)30638-1.
- Newborns of COVID-19 mothers: short-term outcomes of collocating and breastfeeding from the pandemic's epicenter. Patil et al. Journal of Perinatology. 2020 Aug 10. doi: 10.1038/s41372-020-0765-3.