

## **Publications from Sitaram Bhartia Institute of Science and Research**

(2020)

### **Indexed Publications**

#### **International**

1. Reddy GB, Pullakhandam R, Ghosh S, Boiroju NK, Tattari S, Laxmaiah A, Hemalatha R, Kapil U, Sachdev HS, Kurpad AV. Vitamin A deficiency among children younger than 5 y in India: an analysis of national data sets to reflect on the need for vitamin A supplementation. *Am J Clin Nutr.* 2020 Dec 16:nqaa314. doi: 10.1093/ajcn/nqaa314. Epub ahead of print. PMID: 33330941.
2. Ghosh S, Kurpad AV, Sachdev HS, Thomas T. Inflammation correction in micronutrient deficiency with censored inflammatory biomarkers. *Am J Clin Nutr.* 2020 Nov 12:nqaa285. doi: 10.1093/ajcn/nqaa285. Epub ahead of print. PMID: 33181831.
3. David SM, Ragasudha PN, Taneja S, Mohan SB, Iyengar SD, Pricilla RA, Martines J, Sachdev HS, Suhalka V, Mohan VR, Mazumder S, Chowdhury R, Bahl R, Bose A. Predictors of recovery in children aged 6 to 59 months with uncomplicated Severe Acute Malnutrition: a multi-center study. *Public Health Nutr.* 2020 Nov 23:1-19. doi: 10.1017/S1368980020004723. Epub ahead of print. PMID: 33222710.
4. NCD Risk Factor Collaboration (NCD-RisC includes Sachdev HS, Bhargava SK, Osmond C, Fall CHD). Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. *Lancet* 2020; 396: 1511–24.
5. Ghosh S, Shivakumar N, Bandyopadhyay S, Sachdev HS, Kurpad AV, Thomas T. An uncertainty estimate of the prevalence of stunting in national surveys: the need for better precision. *BMC Public Health.* 2020 Nov 1;20(1):1634. doi: 10.1186/s12889-020-09753-8. PMID: 33131489.
6. Rasaily R, Saxena NC, Pandey S, Garg BS, Swain S, Iyengar SD, Das V, Sinha S, Gupta S, Sinha A, Kumar S, Pandey A, Pandey RM, Sachdev HS, Sankar MJ, Ramji S, Paul VK, Bang AT, on behalf of the ICMR-HBMYI Study Group. Effect of home-based newborn care on neonatal and infant mortality: a cluster randomised trial in India. *BMJ Glob Health* 2020;5:e000680. doi:10.1136/bmjgh-2017-000680
7. Sachdev HS, Kathuria AK, Sinha S, Anand D, Bhargava SK. Association of human capital with physical growth from birth to adulthood: evidence from the New Delhi Birth Cohort, India. World Bank Group: Human Nutrition and Population Discussion Paper, June 2020. <http://documents1.worldbank.org/curated/en/212721596523665354/pdf/Association-of-Human-Capital-with-Physical-Growth-from-Birth-to-Adulthood-Evidence-from-the-New-Delhi-Birth-Cohort-India.pdf>

8. The WHO–UNICEF–Lancet Commissioners (includes Sachdev HS). After COVID-19, a future for the world’s children? *Lancet* 2020; Published online July 2, 2020 [https://doi.org/10.1016/S0140-6736\(20\)31481-1](https://doi.org/10.1016/S0140-6736(20)31481-1).
9. Sarna A, Porwal A, Ramesh S, Agrawal PK, Acharya R, Johnston R, Khan N, Sachdev HPS, Nair KM, Ramakrishnan L, Abraham R, Deb S, Khera A, Saxena R. Characterisation of the types of anaemia prevalent among children and adolescents aged 1–19 years in India: a population-based study. *Lancet Child Adolesc Health* 2020; 4: 515–25.
10. NCD Risk Factor Collaboration (NCD-RisC includes Sachdev HS, Bhargava SK, Fall CHD, Osmond C). Repositioning of the global epicentre of non-optimal cholesterol. *Nature*. 2020 June;582:73-77 <https://doi.org/10.1038/s41586-020-2338-1>
11. Abraham RA, Agrawal PK, Johnston R, Ramesh S, Porwal A, Sarna A, Acharya R, Khan N, Sachdev HS, Kapil U, Saxena R, Janmohamed A, de Wagt A, Deb S, Khera A, Ramakrishnan L. Comparison of hemoglobin concentrations measured by HemoCue and a hematology analyzer in Indian children and adolescents 1-19 years of age. *Int J Lab Hematol*. 2020 Aug;42(4):e155-e159.
12. Clark H, Coll-Seck AM, Banerjee A, Peterson S, Dalgligh SL, Ameratunga S, Balabanova D, Bhan MK, Bhutta ZA, Borrazzo J, Claeson M, Doherty T, El-Jardali F, George AS, Gichaga A, Gram L, Hipgrave DB, Kwamie A, Meng Q, Mercer R, Narain S, Nsungwa-Sabiiti J, Olumide AO, Osrin D, Powell-Jackson T, Rasanathan K, Rasul I, Reid P, Requejo J, Rohde SS, Rollins N, Romedenne M, Sachdev HS, Saleh R, Shawar YR, Shiffman J, Simon J, Sly PD, Stenberg K, Tomlinson M, Ved RR, Costello A. A future for the world’s children? A WHO-UNICEF-Lancet Commission. *Lancet*. 2020 Feb 22;395(10224):605-658.
13. Bhartia A, Sen Gupta Dhar R, Bhartia S. Reducing caesarean section rate in an urban hospital serving women attending privately in India - a quality improvement initiative. *BMC Pregnancy Childbirth*. 2020 Sep 23;20(1):556.
14. Nagpal J, Mathur MR, Rawat S, Nagrath D, Lee C, Singhal A, Heys M, Borja MC, Augustin K, Gautam J, Pant R. Efficacy of maternal B12 supplementation in vegetarian women for improving infant neurodevelopment: protocol for the MATCOBIND multicentre, double-blind, randomised controlled trial. *BMJ open*. 2020 May 1;10(5):e034987.
15. Joshi N, Wadhvani R, Nagpal J, Bhartia S. Implementing a triage tool to improve appropriateness of care for children coming to the emergency department in a small hospital in India. *BMJ open quality*. 2020 Oct 1;9(4):e000935.

## **National**

1. Sahi PK, Mandal A, Persico I, Seth A, Crisponi L. Crisponi/Cold Induced Sweating Syndrome Type 1 With a Private Cytokine Receptor Like Factor 1 (CRLF1) Mutation in an Indian Family. *Indian Pediatr*. 2020 Nov 15;57(11):1075-1076.

## **Preprints**

1. Sachdev HS, Porwal A, Sarna A, Acharya R, Ramesh S, Kapil U, Kurpad AV. Intraindividual coexistence of anthropometric undernutrition and “metabolic obesity” in Indian Children: A paradox that needs action. Research Square Preprint DOI: 10.21203/rs.3.rs-123356/v1 Posted 11 Dec, 2020. <https://www.researchsquare.com/article/rs-123356/v1>
2. Sachdev HS, Porwal A, Acharya R, Sana A, Ramesh S, Khan N, Kapil U, Kurpad AV, Sarna A. Hemoglobin Thresholds to Define Anemia in a National Sample of Healthy 1-19 Years Old Children and Adolescents in India: A Population-Based Study. Uploaded 13 October, 2020; Available at SSRN: <https://ssrn.com/abstract=3698860> or <http://dx.doi.org/10.2139/ssrn.3698860>.
3. Sarna A, Porwal A, Acharya R, Ashraf S, Ramesh S, Khan N, Sinha S, Sachdev HS. Waist Circumference, Waist-to-Height Ratio and BMI percentiles in children aged 5 to 19 years in India: A population based study. SSRN Preprint (July 28, 2020). Available at SSRN: <https://ssrn.com/abstract=3676972> or <http://dx.doi.org/10.2139/ssrn.3676972>.
4. Poveda NE, Hartwig FP, Victora CG, Adair LS, Barros FC, Bhargava SK, Horta BL, Lee NR, Martorell R, Mazariegos M, Menezes AMB, Norris SA, Richter LM, Sachdev HS, Stein A, Wehrmeister FC, Stein AD, and COHORTS Group. medRxiv preprint doi: <https://doi.org/10.1101/2020.06.16.20133074.this> version posted June 18, 2020.
5. Benjamin-Chung J, Mertens A, Colford Jr JM, Hubbard AE, van der Laan MJ, Coyle J, Sofrygin O, Cai W, Nguyen A, Pokpongkiat NN, Djajadi S, Seth A, Jilek W, Chung EO, Dayal S, Hejazi N, Malenica I, Li H, Hafen R, Subramoney V, Häggström J, Norman T, Brown KH, Christian P, Arnold BF, and members of the ki Child Growth Consortium (includes Sachdev HS, Bhargava SK). Early childhood linear growth failure in low- and middle-income countries. medRxiv preprint doi: <https://doi.org/10.1101/2020.06.09.20127001.this> version posted June 11, 2020.
6. Mertens A, Benjamin-Chung J, Colford Jr JM, Coyle J, van der Laan MJ, Hubbard AE, Dayal S, Malenica I, Hejazi N, Sofrygin O, Cai W, Li H, Nguyen A, Pokpongkiat NN, Djajadi S, Seth A, Chung EO, Jilek W, Subramoney W, Hafen R, Häggström J, Norman T, Brown KH, Christian P, Arnold BF, and members of the ki Child Growth Consortium (includes Sachdev HS, Bhargava SK). Causes and consequences of child growth failure in low- and middle-income countries. medRxiv preprint doi: <https://doi.org/10.1101/2020.06.09.20127100.this> version posted June 11, 2020.

## Reports Citation

1. World Health Organization. (2020). WHO antenatal care recommendations for a positive pregnancy experience: nutritional interventions update: multiple micronutrient supplements during pregnancy. World Health Organization. <https://apps.who.int/iris/handle/10665/333561>.
2. World Health Organization. (2020). WHO antenatal care recommendations for a positive pregnancy experience: nutritional interventions update: vitamin D supplements during pregnancy. World Health Organization. <https://apps.who.int/iris/handle/10665/333562>.