



International Clearinghouse for Birth Defects Surveillance and Research Monthly Newsletter

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News from the ICBDSR Executive Committee, ICB/ICBDSR Centre, and ICBDSR Members

Collaborative Publications

The ICBDSR collaborative paper on “**Trisomy 13 and 18-Prevalence and mortality-A multi-registry population based analysis**” is now published in the American Journal of Medical Genetics, Part A:

Goel N, Morris JK, Tucker D, de Walle HEK, Bakker MK, Kancherla V, Marengo L, Canfield MA, Kallén K, Lelong N, Camelo JL, Stallings EB, Jones AM, Nance A, Huynh MP, Martínez-Fernández ML, Sipek A, Pierini A, Nembhard WN, Goetz D, Rissmann A, Groisman B, Luna-Muñoz L, Szabova E, Lapchenko S, Zarante I, Hurtado-Villa P, Martinez LE, Tagliabue G, Landau D, Gatt M, Dastgiri S, Morgan M. [Trisomy 13 and 18-Prevalence and mortality-A multi-registry population based analysis](#). Am J Med Genet A. 2019 Sep 30. doi: 10.1002/ajmg.a.61365. [Epub ahead of print] PubMed PMID: 31566869.

New members

The ICBDSR welcomes the **Registro Nacional de Anomalías Congénitas de Chile-RENACH** (National Registry of Congenital Anomalies of Chile) as a new member of the ICBDSR. Dr. Cecilia Mellado Sagredo and Dr. Rosa Andrea Pardo Vargas attended the recent ICBDSR Annual Meeting in Bratislava, as representatives from RENACH.

We also welcome two new Affiliate members:

- ✓ The **Genetic Alliance of South Africa-GASA**, represented by Dr. Helen Malherbe
- ✓ **Dr. Sreehari Madhavankutty Nair** from India.

Both attended the Annual Meeting in Bratislava, presenting their activities at the ICBDSR Annual Business Meeting.

From ICB – International Centre on Birth Defects

ICBD will participate in the Birth Defects Surveillance Workshop, organized by WHO-AFRO with the help of CDC and ICB. The Workshop will take place in Kampala, Uganda, November 11-15. ICB faculty includes Dr. Boris Groisman, RENAC program. Teams from several African countries are expected to participate "

What's Going on Regarding Birth Defects: a selection from the recent literature

All readers are kindly invited to contribute to this section of the Newsletter, sending their suggestions to centre@icbdsr.org by the 1st Friday of the month.

Yang J, Kang Y, Cheng Y, Zeng L, Yan H, Dang S. [Maternal Dietary Patterns during Pregnancy and Congenital Heart Defects: A Case-Control Study](#). Int J Environ Res Public Health. 2019 Aug 16;16(16). pii: E2957. doi: 10.3390/ijerph16162957.

Qu P, Li S, Liu D, Lei F, Zeng L, Wang D, Yan H, Shi W, Shi J, Dang S. [A propensity-matched study of the association between optimal folic acid supplementation and birth defects in Shaanxi province, Northwestern China](#). Sci Rep. 2019 Mar 27;9(1):5271. doi: 10.1038/s41598-019-41584-5.

McKenzie LM, Allshouse W, Daniels S. [Congenital heart defects and intensity of oil and gas well site activities in early pregnancy](#). Environ Int. 2019 Nov;132:104949. doi: 10.1016/j.envint.2019.104949. Epub 2019 Jul 18. PubMed PMID:31327466.

Grant GB, Desai S, Dumolard L, Kretsinger K, Reef SE. [Progress Toward Rubella and Congenital Rubella Syndrome Control and Elimination - Worldwide, 2000-2018](#). MMWR Morb Mortal Wkly Rep. 2019 Oct 4;68(39):855-859. doi:10.15585/mmwr.mm6839a5. PubMed PMID: 31581161.

Mai CT, Isenburg JL, Canfield MA, Meyer RE, Correa A, Alverson CJ, Lupo PJ, Riehle-Colarusso T, Cho SJ, Aggarwal D, Kirby RS; [National Birth Defects Prevention Network. National population-based estimates for major birth defects, 2010-2014](#). Birth Defects Res. 2019 Oct 3. doi: 10.1002/bdr2.1589. [Epub ahead of print] Review. PubMed PMID: 31580536.

Nembhard WN, Mc Elfish PA, Ayers B, Collins RT, Shan X, Rabie NZ, Zarate YA, Maity S, Cen R, Robbins JA. [Nuclear radiation and prevalence of structural birth defects among infants born to women from the Marshall Islands](#). Birth Defects Res. 2019 Oct 1;111(16):1192-1204. doi: 10.1002/bdr2.1551. Epub 2019 Jul 16. PubMed PMID: 31313527.

Money D, Lee T, O'Brien C, Brophy J, Bitnun A, Kakkar F, Boucoiran I, Alimenti A, Vaudry W, Singer J, Sauve LJ; Canadian Perinatal HIV Surveillance Program. [Congenital anomalies following antenatal exposure to dolutegravir: a Canadian surveillance study](#). BJOG. 2019 Oct;126(11):1338-1345. doi:10.1111/1471-0528.15838. Epub 2019 Jul 3. PubMed PMID: 31188522.

Goldsmith S, McIntyre S, Hansen M, Badawi N. [Congenital Anomalies in Children With Cerebral Palsy: A Systematic Review](#). J Child Neurol. 2019 Oct;34(12):720-727. doi: 10.1177/0883073819854595. Epub 2019 Jun 17. PubMed PMID:31208251.

Hill SC, Vasconcelos J, Neto Z, Jandondo D, Zé-Zé L, Aguiar RS, Xavier J, Thézé J, Mirandela M, Micolocândido AL, Vaz F, Sebastião CDS, Wu CH, KraemerMUG, Melo A, Schamber-Reis BLF, de Azevedo GS, Tanuri A, HigaLM, Clemente C, da Silva SP, da Silva Candido D, Claro IM, Quibucu D, Domingos C, Pocongo B, WattsAG, Khan K, Alcantara LCJ, Sabino EC, Lackritz E, Pybus OG, Alves MJ, Afonso J, Faria NR. [Emergence of the Asian lineage of Zika virus in Angola: an outbreak investigation](#). Lancet Infect Dis. 2019 Oct;19(10):1138-1147. doi: 10.1016/S1473-3099(19)30293-2. PubMed PMID: 31559967.

Klein AZ, Sarker A, Weissenbacher D, Gonzalez-Hernandez G. [Towards scaling Twitter for digital epidemiology of birth defects](#). NPJ Digit Med. 2019 Oct 1;2:96. doi: 10.1038/s41746-019-0170-5. eCollection 2019. PubMed PMID: 31583284; PubMed Central PMCID: PMC6773753.

Wei Y, Xu Q, Yang H, Yang Y, Wang L, Chen H, Anderson C, Liu X, Song G, Li Q, Wang Q, Shen H, Zhang Y, Yan D, Peng Z, He Y, Wang Y, Zhang Y, Zhang H, Ma X. [Preconception diabetes mellitus and adverse pregnancy outcomes in over 6.4 million women: A population-based cohort study in China](#). PLoS Med. 2019 Oct 1;16(10):e1002926. doi: 10.1371/journal.pmed.1002926. eCollection 2019 Oct. PubMed PMID: 31574092.

Buur LE, Laurberg VR, Ernst A, Arendt LH, Nybo Andersen AM, Olsen J, Ramlau-Hansen CH. [Oral contraceptive use and genital anomalies in sons. A Danish cohort study](#). Reprod Toxicol. 2019 Oct;89:67-73. doi:10.1016/j.reprotox.2019.07.004. Epub 2019 Jul 9. PubMed PMID: 31299209.

What's Going on Regarding Birth Defects: initiatives and announcements

All readers are kindly invited to contribute to this section of the Newsletter, sending their suggestions to centre@icbdsr.org by the 1st Friday of the month.

From the European Parliament: **International Federation for Spina Bifida and Hydrocephalus** (IF SBH) organizes on November 5th, 2019 an event on **“Folic acid and neural tube defects – What should the EU do?”** that will be hosted by Member of European Parliament Petra de Sutter (Greens/European Free Alliance, Belgium).

The objectives of the event are: to address the well-documented gap in women’s knowledge on preconception, on prenatal health, to raise awareness about the importance of folic acid especially among women of childbearing age and to launch a debate on food fortification. If you wish to attend the event, registration is mandatory. Please register by 28 October 2019 at <https://www.ifglobal.org/events/folic-acid-and-neural-tube-defects-what-should-the-eu-do/>

Online Self-Paced Course on Birth Defect Surveillance and Prevention

The online course remains available for interested professionals. The course has been developed by the International Centre on Birth Defects (ICBD Centre) and supported, in part, by funding from the National Center on Birth Defects and Developmental Disabilities, US Centers for Disease Control and Prevention, through Agreement 2016-2017 with the Task Force for Global Health. The course is designed for clinicians, epidemiologists, public health professionals, and anyone interested in understanding birth defects and improving their prevention and care. The course includes videos, quizzes, a discussion forum, and publications/resources. It is available in English and Spanish. To date, 174 applicants from 42 countries have participated in the course. Further information is available at <http://www.icbdsr.org/online-self-paced-course-on-birth-defect-surveillance-and-prevention/>. The registration form is available at www.icbdsr.org/course-registration. Once registered, you will receive an email with guidance on how to register by yourself in the course platform www.icbdsrtraining.org and how to self-enroll in the self-paced course in either English or Spanish.

SAVE THE DATE - 2020 ICBDSR Annual Meeting

The 47th ICBDSR Annual Meeting will be held in Bologna, Italy, at the Relais Bellaria Hotel & Congressi., from **October 5 through 7, 2020**. The meeting will be hosted by the Italy Emilia Romagna (IMER) registry, Alma Mater Studiorum University of Bologna. Further information will be disseminated at a later time.



World Birth Defects Day - WBDD Movement

Join the WBDD as a Partner Organization

by completing the online application form on the WBDD website
<https://www.worldbirthdefectsday.org/application-form/>.

Follow @worldbdday on Twitter <https://twitter.com/WorldBDDay> and
Instagram worldbdday <https://www.instagram.com/worldbdday/>

Join WBDD page on Facebook <https://www.facebook.com/WBDDay/>
Visit WBDD website <https://www.worldbirthdefectsday.org/>

Meetings and Conferences

8th International Conference on Epidemiology & Public Health. October 21-22, 2019, ANA Crowne Plaza Narita, Tokyo, Japan . Theme: A new journey in quest of Innovations & Current Trends in the field of Epidemiology & Public Health. <https://publichealth-epidemiology.conferenceseries.com/>

13th Asia Pacific Conference on Human Genetics, November 7-9, 2019, Makati Shangri-la Manila, Philippines. The theme of the conference is *“Advancing Translational Medicine and Collaborations in Genomics.”* This

conference will bring together an outstanding community of faculty, scientists, researchers, and students from the Asia Pacific region and different parts of the world. You may register [here](#).

14th Meeting of the International Conference on Rare Diseases and Orphan Drugs” (ICORD), November 11-13, 2019, Israel. The Conference is held with the collaboration of ICORD and Israel Ministry of Health. ICORD is an International Society for all individuals active in rare diseases and/or orphan drugs, including health care, research, academic, industry, patients, patient groups, regulatory authorities, health authorities, and public policy professionals. For further information please visit the ICORD conference website at: www.icord2019.org. Please follow the Conference on [Facebook](#), [Twitter](#), [LinkedIn](#) and share.

9th International Conference on Birth Defects and Disabilities in the Developing World (ICBD 2020) February 23-26, 2020. Colombo, Sri Lanka. <http://icbd.marchofdimes.org/>

11th Edition of International Conference on Preventive Medicine & Public Health, March 5-6, 2020 Rome, Italy. Theme: Science-based resolutions addressing global pervasive & preventable health issues. <https://preventivemedicine.healthconferences.org/>

28th International Conference on Clinical Pediatrics, April 15-16, 2020 London, UK . Theme: Enlightening the New Horizons in Clinical Pediatrics. <https://clinicalpediatrics.conferenceseries.com/>

EUROCAT Registry Leader Meeting and Scientific Symposium, June 30-July 2, 2020 Valencia (Spain). <https://eu-rd-platform.jrc.ec.europa.eu/eurocat/news-events>