

International Clearinghouse for Birth Defects Surveillance and Research Monthly Newsletter

August 2022 Issue 2022-08

ICBDSR ANNUAL MEETING

The 48th ICBDSR Annual Meeting will be heldfrom September 18thto 21st, 2022 in Bologna, Italy, at Hotel Relais Bellaria. It will be an in-person meeting with the possibility to join the scientific session by live stream. Please, fill in the application form to attend the Scientific Session by leave stream.

Highlights from the Meeting Program (attached):

The ICBDSR Annual Meeting program includes Key Lectures and Updates from other Organizations, three sessions of oral presentations: 21 in person, and 5 virtual (pre-recorded), and a session on ICBDSR Collaborative Projects and ICBDSR Report 2023. The poster session will show 21 posters: 14 in person and 7 virtual.

The Congress on "Congenital Heart Defects: From Prenatal Diagnosis to Adulthood" is held on September 20th (Tuesday), at Emilia Romagna Region Conference Hall "Sala 20 Maggio 2012" in Bologna. Transportation from Hotel Bellaria to the Conference hall and back will be provided.

Venues of future Annual Meetings:

2023: Malta

2024: Prague (Czech Republic)

What's Going on

29th International Conference on Spina Bifida and Hydrocephalus – Diverse Needs, Same Rights

The **29**th International Conference on Spina Bifida and Hydrocephalus - Diverse Needs, Same **Rights** will take place between September 6th to 9th, with on September 5th a pre-conference workshop for youth with disabilities only. The aim of the conference is to bring together academics, researchers, healthcare professionals and SBH associations to discuss best practices of all aspects of SBH. A special highlight will be the Conference Day September 7th where we focus on Prevention including speakers from WHO, Micronutrient Forum, Food Fortification Initiative, and more. Registration links and Conference Programme are available here.



International Conference on Birth Defects and Disabilities in the Developing World – ICBD 2023

"Accelerating action for birth defects and disabilities: surveillance, prevention, management and family-centered care" – March 1-4, 2023, Santiago, Chile

The abstracts submission is now open. Full information at https://www.marchofdimes.org/icbd.aspx Conference Topics:

Surveillance, clinical and public health professionals, high-level policy and program personnel from ministries of health, and professional, research and non-governmental associations and organizations working in the field of maternal child health—specifically birth defects and disabilities—are invited to submit abstracts for consideration.

The conference will be organized around these topics, with the focus of each being on the presentation of successful best practices/models of surveillance, prevention, management and care of birth defects and disabilities in Latin America and around the world. Bodies of work from low- and middle-income countries are particularly encouraged.

A selection from the recent literature, and recommendations from readers

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

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Hernández-Díaz S, Smith LH, Wyszynski DF, Rasmussen SA. <u>First trimester COVID-19 and the risk of major congenital malformations-International Registry of Coronavirus Exposure in Pregnancy</u>. Birth Defects Res. 2022 Aug 5. doi: 10.1002/bdr2.2070. Epub ahead of print. PMID: 35929997.

Kalibbala D, Kakande A, Serunjogi R, Williamson D, Mumpe-Mwanja D, Namale-Matovu J, Valencia D, Nalwoga B, Namirembe C, Seyionga J, Nanfuka M, Nakimuli S, Achom MO, Mwambi K, Musoke P, Barlow-Mosha L. Mobile tablets for real-time data collection for hospital-based birth defects surveillance in Kampala, Uganda: Lessons learned. PLOS Glob Public Health. 2022 Jun 24;2(6):10.1371/journal.pgph.0000662. doi: 10.1371/journal.pgph.0000662. PMID: 35910484; PMCID: PMC9335296.

Khoshnood B, Baynam G, Loane M, Rissmann A, Botto L. <u>Editorial: Congenital anomalies: State of the art and the new paradigms for a precision public health approach.</u> Front Pediatr. 2022 Jul 18;10:968923. doi: 10.3389/fped.2022.968923. PMID: 35923780; PMCID: PMC9340261.

Jordan S, Bromley R, Damase-Michel C, Given J, Komninou S, Loane M, Marfell N, Dolk H. <u>Breastfeeding, pregnancy, medicines, neurodevelopment, and population databases: the information desert.</u> Int Breastfeed J. 2022 Aug 2;17(1):55. doi: 10.1186/s13006-022-00494-5. PMID: 35915474; PMCID: PMC9343220.

Miao Q, Dunn S, Wen SW, Lougheed J, Sharif F, Walker M. <u>Associations of congenital heart disease with deprivation index by rural-urban maternal residence: a population-based retrospective cohort study in Ontario, Canada</u>. BMC Pediatr. 2022 Aug 5;22(1):476. doi: 10.1186/s12887-022-03498-6. PMID: 35931992; PMCID: PMC9356510

Mires S, Caputo M, Overton T, Skerritt C. <u>Maternal micronutrient deficiency and congenital heart disease risk:</u> <u>A systematic review of observational studies.</u> Birth Defects Res. 2022 Aug 18. doi: 10.1002/bdr2.2072. Epub ahead of print. PMID: 35979646.

Mohan Dass NL, Botto LD, Tinker SC, Canfield MA, Finnell RH, Gallaway MS, Hashmi SS, Hoyt AT, Nembhard WN, Waller DK; National Birth Defects Prevention Study. <u>Associations between maternal reports of periconceptional fever from miscellaneous causes and structural birth defects.</u> Birth Defects Res. 2022 Aug 6. doi: 10.1002/bdr2.2068. Epub ahead of print. PMID: 35932236.

Newton SM, Reeves EL, O'Malley Olsen E, Woodworth KR, Farr SL, Galang RR, Reynolds MR, Harvey E, Shi J, Nestoridi E, Barton J, Ngo VP, Lush M, Longcore ND, Dzimira P, Im LK, Sokale A, Siebman S, Delgado López C, Chen T, Mobley EL, Khuwaja S, Romitti PA, Fredette C, Ellis EM, Silcox K, Hall AJ, Azziz-Baumgartner E, Gilboa SM, Shapiro-Mendoza CK, Tong VT. Perterm birth among pregnant persons with severe acute respiratory syndrome Coronavirus 2 infection. J Perinatol. 2022 Aug 4:1–10. doi: 10.1038/s41372-022-01467-6. Epub ahead of print. PMID: 35927486; PMCID: PMC9362668.

Richard MA, Patel J, Benjamin RH, Bircan E, Canon SJ, Marengo LK, Canfield MA, Agopian AJ, Lupo PJ, Nembhard WN. <u>Prevalence and Clustering of Congenital Heart Defects Among Boys With Hypospadias</u>. JAMA Netw Open. 2022 Jul 1;5(7):e2224152. doi: 10.1001/jamanetworkopen.2022.24152. PMID: 35900762; PMCID: PMC9335139.

Yang Y, Zhou L, Zhang W, Yang Y, Liu Y, Pan L, Huo Y, Wang R, Ba Y, Ren X, Bai Y, Cheng N. <u>Association between air pollutants and neural tube defects during pregnancy in Lanzhou, China: a time series analysis.</u> Environ Sci Pollut Res Int. 2022 Aug 17. doi: 10.1007/s11356-022-21962-9. Epub ahead of print. PMID: 35976594.

Wang T, Chen L, Ni B, Sheng X, Huang P, Zhang S, Qin J. <u>Maternal pre-pregnancy/early-pregnancy smoking and risk of congenital heart diseases in offspring: A prospective cohort study in Central China</u>. J Glob Health. 2022 Aug 3;12:11009. doi: 10.7189/jogh.12.11009. PMID: 35916623; PMCID: PMC9344981.

Recommendations from readers

Qu P, Zhao D, Yan M, Liu D, Pei L, Zeng L, Yan H, Dang S. <u>Risk Assessment for Birth Defects in Offspring of Chinese Pregnant Women</u>. International Journal of Environmental Research and Public Health. 2022; 19(14):8584.

News from ICBDSR Executive Committee and ICBDSR Members

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 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. Additional information is available at http://www.icbdsr.org/online-self-paced-course-on-birth-defect-surveillance-and-prevention/. Please, register through the online registration form.

Meetings and Events

A list of future Meetings & Events is available at http://www.icbdsr.org/meetings/.

All readers are kindly invited to contribute to this section of the Newsletter, sending information about future meetings/events at centre@icbdsr.org



World Birth Defects Day – WBDD, March 3rd

A meeting on **World Birth Defects Day** is held on Sunday 18th September 2022 in the afternoon, before the ICBDSR Annual Meeting, at Hotel Relais Bellaria in Bologna (see attached program). The meeting is open to all interested participants.

Join the WBDD partners at https://www.worldbirthdefectsday.org/application-form/

Email info@worldbirthdefectsday.org
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International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR)

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