



Monthly Newsletter

July 2024

Issue 2024 -07

2024 ICBD SR ANNUAL MEETING

The meeting will celebrate 50 years of ICBD SR (1974 – 2024) and 60 years of congenital anomaly registration in Czech Republic (1964 – 2024).

The **50th Annual Meeting of the ICBD SR** will take place in Prague, Czech Republic, from **September 1 to 4, 2024** at the Hermitage Hotel.

General plan of the meeting:

Sun, Sept 1	Executive Committee (EC) Meeting (<i>restricted to EC members</i>) Pre-Annual Meeting Workshop - Enhancing Birth Defect Surveillance: Interactive Case Studies for Quality Improvement <i>Welcome Reception at Hermitage Hotel, offered by ICBD SR</i>
Mon, Sept 2	Scientific Sessions <i>Dinner at the Hermitage Hotel, included in the registration fee of delegates staying at the hotel</i>
Tue, Sept 3	Session on collaborative projects ICBD SR Business Meeting <i>Tour - personal payment, optional (afternoon), more details to come soon</i>
Wed, Sept 4	Joint Workshop with Czech Society of Medical Genetics and Genomics <i>Departure (afternoon)</i>

Abstract notifications

The abstract submission deadline was May 12th. Thank you to all who submitted. The Annual Meeting Committee has peer-reviewed the abstracts and sent acceptance notices, including the designated presentation format. Please note the deadline for hotel booking was June 30, 2024.

ICBD corner: more information on the Pre-conference workshop.

We look forward to meeting those of you who are registering for the pre-conference workshop. We expect this to be a friendly, fun, and informative experience for all levels of expertise and experience. Working together as epidemiologists, data scientists, and clinicians, we can all learn from each other.

We have several case studies to choose from – on neural tube defects; clefts and heart anomalies; multiple congenital anomalies (internal and external); and data analysis/quality improvement. The birth-defect-related case studies touch upon issues of diagnosis, coding, classification, syndromes, and risk factors. We will work in small groups, so there is plenty of company and support! Incidentally, we will have time for two, possibly three case studies – **if you have a preference, be sure to let us know.**

News from the ICBD SR and the World: a busy quarter of the year ahead

The year's second quarter provides many opportunities to advocate for communities and families impacted by birth defects. Consider putting together local activities and joining our many partners: we are stronger together.

- **September 26-28 is the 6th Edition of the Euro-Global Conference on Pediatrics and Neonatology (EPN 2024).**

The EPN 2024 will be held in Madrid, Spagna, and will feature a range of keynote speakers, panel discussions, and networking opportunities designed to facilitate knowledge sharing and collaboration. The event will be held in person and online. For more information, click [here](#).

Meeting website: <https://www.birthdefectsresearch.org/meetings/2024/>

Recently published: recent papers selected by ICBD

To find the paper online, use the DOI for a browser search. If interested but unable to get the full text of the papers, please email us and we will see what we can do to help.

Prevention

COVID-19 Vaccination in the First Trimester and Major Structural Birth Defects Among Live Births.

Kharbanda EO, DeSilva MB, Lipkind HS, Romitti PA, Zhu J, Vesco KK, Boyce TG, Daley MF, Fuller CC, Getahun D, Jackson LA, Williams JTB, Zerbo O, Weintraub ES, Vazquez-Benitez G. *JAMA Pediatr.* 2024 Jul 1. doi: 10.1001/jamapediatrics.2024.1917. Online ahead of print. PMID: 38949821

World health assembly resolution for preventing micronutrient deficiencies and associated neural tube defects-A case study of global partnerships for a successful resolution adoption.

Kancherla V. *Birth Defects Res.* 2024 Jun;116(6):e2375. doi: 10.1002/bdr2.2375. PMID: 38923368

Investigating risk factors

Genitourinary infection and gastroschisis: A systematic review and meta-analysis.

Vinogradov R, Muthupunnackal A, Moffat M, Rankin J. *Birth Defects Res.* 2024 Jul;116(7):e2377. doi: 10.1002/bdr2.2377. PMID: 38946111

Maternal periconceptional exposure to drinking water disinfection by-products and neural tube defects in offspring.

Kancherla V, Rhoads A, Conway KM, Suhl J, Langlois PH, Hoyt AT, Shaw GM, Evans SP, Moore CA, Luben TJ, Michalski A, Feldkamp ML, Romitti PA; National Birth Defects Prevention Study. *Birth Defects Res.* 2024 Jun;116(6):e2370. doi: 10.1002/bdr2.2370. PMID: 38888449

Determinants of neural tube defect among newborns admitted to neonatal intensive care units of teaching hospitals in Gedeo Zone and Sidama Region, Southern Ethiopia: a case-control study.

Zemeskel AG, Figa Z, Gido R, Tesfa GA, Gebeyehu K, Destaw B, Abebe M, Girma B, Bimer KB, Mekonnen DK. *BMJ Paediatr Open.* 2024 Jun 6;8(1):e002235. doi: 10.1136/bmjpo-2023-002235. PMID: 38844382

Arsenic modifies the effect of folic acid in spina bifida prevention, a large hospital-based case-control study in Bangladesh.

Wei CF, Mukherjee SK, Ekramullah SM, Arman DM, Islam MJ, Azim M, Rahman A, Rahman MN, Ziauddin M, Tindula G, Suchanda HS, Gomberg DF, Weisskopf MG, Liang L, Warf BC, Christiani DC, Mazumdar M. *Environ Health.* 2024 Jun 3;23(1):51. doi: 10.1186/s12940-024-01091-1. PMID: 38831396

Surveillance, epidemiology, outcomes

Tracking the Global Burden of Neural Tube Defects and Assessing Disparities Across World Health Organization Regions: A Scoping Literature Review.

Chauhan D, Punchak M, Gutbrod J, Moorthy G, Thach B, Rosseau G. Neurosurgery. 2024 Jun 5. doi: 10.1227/neu.0000000000002996. Online ahead of print. PMID: 38836618

Survival and Risk Factors for Mortality in Infants With Congenital Heart Disease in South Korea. Lee JS, Kwon J, Cho H, Heo JS, Ha KS, Jang GY, Noh OK, Park JE. In Vivo. 2024 Jul-Aug;38(4):1984-1992. doi: 10.21873/invivo.13655. PMID: 38936933

Prevalence and death rate of birth defects from population-based surveillance in Hunan Province, China, 2010-2020. Zhou X, Xie D, Jiang Y, Fang J. Sci Rep. 2024 Jun 25;14(1):14609. doi: 10.1038/s41598-024-65072-7. PMID: 38918397

Perinatal deaths attributable to congenital heart defects in Hunan Province, China, 2016-2020. Zhou X, He J, Kuang H, Fang J, Wang H. PLoS One. 2024 Jun 13;19(6):e0304615. doi: 10.1371/journal.pone.0304615. eCollection 2024. PMID: 38870227

A systematic review of barriers to accessing cleft care worldwide. Cerón-Zapata AM, Manrique-Hernández RD, Mejía-Ortega LM. Birth Defects Res. 2024 Jun;116(6):e2364. doi: 10.1002/bdr2.2364. PMID: 38847124

Long-Term Neurodevelopmental Outcomes in Children with Gastroschisis: A Review of the Literature. Rundell MR, Bailey RA, Wagner AJ, Warner BB, Miller LE. Am J Perinatol. 2024 May 29. doi: 10.1055/s-0044-1787173. Online ahead of print. PMID: 38810899

Congenital anomalies in Santa Catarina, Southern Brazil: macroregional and temporal birth prevalence for the period 2011-2020. Kriek LK, Barbian MH, Schuler-Faccini L, Pinto Moehlecke Iser B. J Community Genet. 2024 Jun 25. doi: 10.1007/s12687-024-00716-9. Online ahead of print. PMID: 38918275

Non-Syndromic and Syndromic Defects in Children with Extracranial Germ Cell Tumors: Data of 2610 Children Registered with the German MAKEI 96/MAHO 98 Registry Compared to the General Population. Schultewolter JH, Rissmann A, von Schweinitz D, Frühwald M, Blattmann C, Fischer L, Lange BS, Wessalowski R, Fröhlich B, Behnisch W, Schmid I, Reinhard H, Dürken M, Hundsdörfer P, Heimbrodt M, Vokuhl C, Schönberger S, Schneider DT, Seitz G, Looijenga L, Göbel U, von Kries R, Reutter H, Calaminus G. Cancers (Basel). 2024 Jun 6;16(11):2157. doi: 10.3390/cancers16112157. PMID: 38893276

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

International Clearinghouse for Birth Defects Surveillance and Research (ICBDSR)

Website: www.icbdsr.org

ICBDSR training platform: www.icbdsrtraining.org

Facebook: www.facebook.com/ICBDSR

Instagram: <https://www.instagram.com/icbdsr/>

Twitter: @icbdsr <https://twitter.com/ICBDSR>

*You are receiving this Monthly Newsletter because your email address is included in the ICBDSR mailing list.
To unsubscribe, kindly reply to this email by putting in the subject UNSUBSCRIBE*