

The Virtual International Day of the Midwife: A model for digital knowledge translation

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The COVID-19 pandemic abruptly halted knowledge translation of new research findings through in-person meetings and continued to disable national and international person-to-person conference networking for a two-year period. This braking effect propelled the use of existing communication technologies including social media platforms and video conferencing for knowledge translation. The visionary Conference Committee of the Virtual International Day of the Midwife (VIDM) began developing online knowledge translation in 2009^{1,2}.

The first VIDM meeting celebrated the May 5th International Day of the Midwife by presenting a synchronous, open-access, online conference over 24 hours. Sessions averaged six participants in 2009 and grew annually until the 2020 pandemic year when World Health Organization presentations drew more than 250 participants per session. The 38 online presentations and 24 posters in 2020, in English and Spanish, exemplified the VIDM goals of giving researchers a forum to disseminate their work and providing an opportunity for midwives across the globe to engage with the latest evidence-based research. Participants came from 32 countries as diverse as Afghanistan, Bolivia, Iran, and Nigeria. The growth of the VIDM as a virtual conference pre-dated the rapid migration to online conferences forced by pandemic social isolation in 2020.

A volunteer committee of senior educators, technologists, midwives and student midwives from nine countries organize the VIDM conference through virtual meetings, email, online document sharing and social media. Co-founders Sara Stewart and Deborah Davis initially used Collaborate software from Otago University with Sarah broadcasting from her kitchen in New Zealand. Later University College Lillebaelt in Denmark donated teleconferencing software use. Frontier Nursing University currently supports use of its online teaching platform for the conference. Initial VIDM goals included increasing digital literacy among practicing midwives and enabling midwives in diverse geographical locations, many with inadequate access to education resources, to learn about international knowledge development around birth.

The VIDM Committee is passionate about strengthening professional midwifery and sharing midwifery knowledge, research and clinical practice to reduce disparities in educational opportunities, thereby improving maternal and newborn health outcomes across the world. The organizing challenges include covering world time zones over 24 hours, peer-reviewing multi-lingual abstracts, recording podcasts, and orienting all presenters and facilitators to be confident in giving virtual presentations. The VIDM supports novice speakers and students in presenting their work. The conference organizes around an annual theme, recruiting midwives and birth researchers whose work explores that theme, thus spreading emerging social values beyond countries of origin. 'Birth Equity for All' unifies the 2021 VIDM presentations³.

The social isolation imposed to reduce COVID-19 transmission had unanticipated global benefits. The 'anthropause' allowed freer animal movement and increased reproduction around the world⁴. Global air quality improved significantly following reduced air, automobile and public transportation use for work commuting and travel, the leading contributors to the carbon footprint of travel^{5,6}. Travel bans prevented national and international in-person scientific meetings and further reduced the carbon footprint of science by reducing travel, paper use and conference promotionals⁶⁻⁸.

The VIDM is a model of environment-sparing international collaboration between midwives, student midwives, researchers and educators within a socially responsible non-commercial context¹. The VIDM bridges the knowledge translation gaps caused by

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KEYWORDS

midwifery, birth, virtual conference, knowledge translation, digital media, carbon footprint

Received: 22 April 2021
Accepted: 26 April 2021

resource inequities and the pandemic isolation. The Conference Committee hopes that *EJM* readers will join the meeting this year at VIDM.org and then submit a proposal to be a presenter in 2022.

REFERENCES

1. Sidebotham M, Dalsgaard A, Davis D, Stewart S. The Virtual International Day of the Midwife: A Synchronous Open Online Conference for Continuing Professional Development and Learning for Midwives. *Int J Childbirth*. 2015;5(2):91-99. doi:10.1891/2156-5287.5.2.91
2. Vilain AD, Stewart S. The end of an era? Midwifery conferences. *Pract Midwife*. 2012;15(11):20-23. PMID:23304862.
3. Virtual International Day of the Midwife. Accessed July 7, 2020. <https://vidm.org/>
4. Rutz C, Loretto MC, Bates AE, et al. COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. *Nat Ecol Evol*. 2020;4(9):1156-1159. doi:10.1038/s41559-020-1237-z
5. Liu F, Wang M, Zheng M. Effects of COVID-19 lockdown on global air quality and health. *Sci Total Environ*. 2021;755(Pt 1):142533. doi:10.1016/j.scitotenv.2020.142533
6. Kier-Byfield, S. As an academic, should I worry about my conference carbon footprint? *The Guardian*. June 11, 2019. Accessed April 17, 2021. <https://www.theguardian.com/education/2019/jun/11/as-academics-should-we-worry-about-our-conference-carbon-footprint>
7. Wylie L. Virtual conferences and social responsibility. *Midwifery Matters*. 2021;(168):38-39. Forthcoming 2021.
8. Milford K, Rickard M, Chua M, Tomczyk K, Gatley-Dewing A, Lorenzo AJ. Medical conferences in the era of environmental conscientiousness and a global health crisis: The carbon footprint of presenter flights to pre-COVID pediatric urology conferences and a consideration of future options. *J Pediatr Surg*. 2020;SO022-3468(20)30492-9. doi:10.1016/j.jpedsurg.2020.07.013

ACKNOWLEDGEMENTS

The VIDM Conference Committee thanks the VIDM originators including Sara Stewart, Deborah Davis, Mary Sidebotham, Annette Dalsgaard and later Sarah Bandasak. In addition to the authors, the current VIDM Conference Committee includes Linda Wylie, Lorraine Mockford, Chris Woodhouse, Raquel Justiniano, and Karen Wilmot.

CONFLICTS OF INTEREST

The authors have each completed and submitted an ICMJE form for disclosure of potential conflicts of interest. The authors declare that they have no competing interests, financial or otherwise, related to the current work. All authors report that all effort on this manuscript is volunteer time provided by the authors and Conference Committee of the VIDM. C. M. Jevitt also reports that she is an unpaid board member of the Fellowship of the American College of Nurse-Midwives.

FUNDING

There was no source of funding for this research.

ETHICAL APPROVAL AND INFORMED CONSENT

Ethical approval and informed consent were not required for this study.

PROVENANCE AND PEER REVIEW

Commissioned; internally peer reviewed.