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Quality of care and abortion: beyond safety

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Governments, advocates, providers, policymakers and other stakeholders who want to fully support women's rights to access abortion across the globe must address quality of care, in addition to efforts to change abortion laws, train providers and expand service provision. Documenting and working to improve the quality of abortion care is necessary in order to improve service delivery and health outcomes, expand access to safe abortion especially in legally restricted settings, and to ensure the human right to the highest attainable standard of health, as outlined by the WHO.¹ Quality of healthcare services is the degree to which services produce desired health outcomes and rely on best available evidence.² Domains of quality as defined by the WHO³ and the Institute of Medicine (IOM)² ask whether healthcare is effective, efficient, accessible, acceptable/patient-centred, equitable and safe.

The safety of abortion is well established in settings where abortion is legal,⁴ despite claims to the contrary from those who seek to restrict access to abortion. A safe abortion is understood to mean a medical (medication), aspiration, or surgical abortion that conforms to WHO guidelines.⁵ Well-managed self-use of medical abortion is on the spectrum of safe abortion. In settings with high-quality clinical data and access to legal abortion such as the United States, first-trimester abortions carry an extremely low risk of death (0.3–0.5/100 000 abortions) which has remained stable over time. Risk increases in the second trimester (2.5–6.7 deaths per 100 000 procedures for 14–17 and >18 weeks, respectively).⁴ Major complications are also rare; ≤0.1% of first-trimester abortions⁴ and up to 0.23% of abortions when all gestational ages are included.⁴ Abortion in any trimester is 14-fold safer than childbirth in a high-income setting,⁶ and safer than many

other common healthcare procedures. However, quality abortion care includes, but is not limited to, safety.

In the quality of care literature, quality is further categorised as *interpersonal quality*, or the healthcare interaction, and *technical quality*, whether providers meet normative standards for appropriate care or evidence-based criteria. *Patient or client experience* can assess both interpersonal and technical quality, measures the client-centeredness of care, and “includes any process observable by patients, including subjective experiences (eg, pain was controlled), objective experiences (eg, waited more than 15 minutes past appointment time), and observations of physician, nurse, or staff behaviour (eg, doctor provided all relevant information)”.⁷ It is important to note that client experience reports are distinct from ‘satisfaction’ ratings in that they reflect specific components of the care experience in contrast to a global rating.

Patient or client experience has been shown to be linked with other elements of quality of in-hospital care, including clinical processes and structures, effectiveness, efficiency and safety.^{7,8} Client experience also impacts behaviours such as adherence, follow-up decisions and behaviour change.⁷ Most literature that seeks to describe the relationship between experience of care, domains of quality of care, and health or behavioural outcomes comes from other fields; it is not known whether these relationships hold in abortion care.

Evidence exists to guide clinical practice in abortion.⁹ However, assessment of clinical practice remains unstandardised, and very little evidence exists documenting client perceptions of both technical or interpersonal quality, especially from low- and middle-income country settings. Women who receive needed abortion services are nearly universally satisfied, but this may be due to having received a

needed service and tells us little about where quality can be improved.¹⁰ The limited evidence available suggests that similar elements of care are as important to abortion clients as to patients seeking other types of healthcare: wait times, pain management and experience of pain, and treatment by staff and providers. More work is needed to advance a set of evidence-based, validated quality metrics that help us identify which aspects of the client experience – both technical and interpersonal – are most important to women seeking care and most likely to impact other domains of quality such as effectiveness and safety.

Beyond observed relationships between quality of care and health outcomes, quality care is important because it is a human right. All people have the right to demand quality healthcare services from providers, organisations, and ultimately their governments. The rights-based approach explicitly acknowledges that health services provide an opportunity to address stigma and gender bias, and support people to know and achieve their human rights. A rights-based perspective also incorporates informed choice and extends beyond clients and includes providers, who have the right to have the training, supplies and respect they need to do their jobs well.

Despite advances in development of, and access to, safe abortion technologies, measuring and assuring access to high-quality care needs more attention. To date, there is no standardised, validated set of quality metrics for abortion. Previous efforts to synthesise current indicators focus on the type of information available;¹⁰ the next steps are to align these information types by elements of quality and by interpersonal and technical quality, guided by established frameworks that permit comparisons across settings and clinical areas. A validated and widely used set of metrics that capture all domains of quality, including the client experience both within and outside the formal healthcare system, would enable us to assess the safety of services, identify areas for improvement, compare abortion services with other types of services (which may be found lacking in comparison), and highlight the work of providers, administrators and advocates worldwide. Part of normalising abortion services within healthcare systems is establishing a framework for evaluating quality as we do for other core services such as antenatal care and vaccines. We lack both common terminology and measures to assess abortion services across diverse health system settings, especially in low- and middle-income countries. Such measures would allow us to build evidence about the effectiveness, efficiency, accessibility, patient-centeredness,

equity and safety of abortion services, and ultimately to improve abortion care for women across the globe.

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REFERENCES

- 1 World Health Organization. *Human rights and health. Fact sheet*, 2017.
- 2 Institute of Medicine. *Crossing the quality chasm: a new health system for the 21st century. Executive summary*. Washington, DC: The National Academy of Sciences, 2001.
- 3 World Health Organization. *Quality of care: a process for making strategic choices in health systems*. Geneva, Switzerland, 2006.
- 4 National Academies of Sciences Engineering and Medicine. *The safety and quality of abortion care in the United States*. Washington, DC: National Academies Press, 2018.
- 5 Ganatra B, Gerdt C, Rossier C, *et al*. Global, regional, and subregional classification of abortions by safety, 2010–14: estimates from a Bayesian hierarchical model. *Lancet* 2017;390:2372–81.
- 6 Raymond EG, Grimes DA. The comparative safety of legal induced abortion and childbirth in the United States. *Obstet Gynecol* 2012;119:215–9.
- 7 Anhang Price R, Elliott MN, Zaslavsky AM, *et al*. Examining the role of patient experience surveys in measuring health care quality. *Med Care Res Rev* 2014;71:522–54.
- 8 Doyle C, Lennox L, Bell D. A systematic review of evidence on the links between patient experience and clinical safety and effectiveness. *BMJ Open* 2013;3:e001570.
- 9 World Health Organization. *Safe abortion: technical and policy guidance for health systems*. 2nd edn. Geneva: Switzerland, 2012.
- 10 Dennis A, Blanchard K, Bessenaar T. Identifying indicators for quality abortion care: a systematic literature review. *J Fam Plann Reprod Health Care* 2017;43:7–15.