## Abortion in Brazil: the case for women's rights, lives, and choices

A case study of Brazil could serve to emphasise the negative public health consequences of severely restricting legal abortions and could offer lessons to countries considering restricting abortion rights—as recently seen in the USA.1 Brazil is the largest and most highly populated country in Latin America and the Caribbean. This region has the most punitive laws for illegal abortion and yet the highest estimated frequency of abortions in the world: 44 per 1000 women compared with lowest frequency of 17 per 1000 women in the USA and Canada.2 In Brazil, abortion is only legal in cases of rape, incest, to save a woman's life, and, since 2012, in the case of anencephaly—a fatal condition in which infants are born without parts of the brain or skull.

Despite Brazil's severe legislation, 500 000 illegal abortions are estimated to occur every year among women aged 18-39 years, which equates to one in five women, with half of these abortions resulting in emergency room visits due to complications.3 By contrast, in countries that provide safe and legal abortions, only 2-5% of women require medical care afterwards.2 The most women who are admitted to hospital after an illegal abortion are uninsured, representing a government cost of more than US\$10 million every year.4 As a consequence of unsafe abortions, more than 200 women die every year in Brazil. In the past decade, approximately 4000 socalled near-miss events have occurred. when maternal deaths were avoided due to health system intervention.5 The prevalence of reproductive complications and other negative health consequences associated with illegal abortion is unknown.

Even in the face of the mosquitoborne Zika virus epidemic, which causes severe fetal malformations, the Brazilian Zika emergency protocol did not mention or authorise legal abortions despite WHO recommendations. Between 2015 and 2017, more than 2700 babies were born with congenital Zika syndrome in Brazil.

The effect of policies that make abortions illegal include an increase in governmental expenditure related to an increased number of high cost emergency room visits, lifelong child health costs, and potential reproductive health consequences in women. The Brazilian Government also faces heightened cost from the criminal justice system in prosecuting cases and housing women, girls, and abortion providers during their sentences. In Brazil, people who have illegal abortions can serve up to 3 years in prison, while those who conduct abortions can serve up to 4 years.3,5

Abortion laws, whether they are punitive or protective, strongly affect the morbidity and mortality of young women at the most valuable times of their lives. Each year an estimated 55·7 million induced abortions occur globally, 25·1 million (45·1%) of which are unsafe.<sup>7</sup> Globally, an estimated 7·9% of maternal deaths are associated with unsafe abortions.<sup>8</sup>

Since several USA states are adopting more restrictive abortion legislations, one key lesson from Brazil should be considered: even in countries where abortion is illegal, the practice is highly prevalent, results in substantial health risks to women, and increases government health-care burden. Almost all disability and death from unsafe abortion is preventable, and legislators and governments should work to reduce this burden.

We declare no competing interests.

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