A worldwide acknowledged way of evaluating the life conditions of a population, in particular or in general, is to use health indicators that may be represented as rates or ratios. Such indexes are essential for the quality of the planning of programs and services, interfering directly in their efficiency. Furthermore, those indicators reflect substantially the quality of the assistance provided to the individuals. The relationship between women’s life conditions and infant mortality is unquestionable, especially regarding family planning and obstetric assistance.

Infant mortality corresponds to the number of deaths of infants per 1,000 live births, in a given year, in the population living in a specific geographic area. In general, this number reflects the socioeconomic development and environmental infrastructure, as well as the access to and the quality of the resources available for maternal and child health care. Infant mortality has 3 important components: early neonatal mortality, which estimates the number of deaths among live births in the first 6 days of life; late neonatal mortality, which estimates the number of deaths among live births between 7 and 27 days of life; and post neonatal mortality, which is calculated using the number of deaths among live births between 28 and 364 completed days of life. The neonatal component is the one that suffers the influence of socio-economic and women’s health conditions the most, as well as that of the prenatal, childbirth and newborn assistance quality. Nevertheless, the coefficients that best reflect women’s quality of life, and mainly of prenatal, childbirth and newborn assistance quality, are the perinatal mortality rate and the maternal mortality ratio. Perinatal mortality is represented by the number of deaths during the perinatal period (fetus deaths after 22 completed weeks of pregnancy up to 6 completed days after birth) per a total of 1,000 births (the total of live births and fetus deaths) in the population living in a specific geographic area, in a given year. The ratio of maternal deaths represents the number of maternal deaths per 100 thousand live births to mothers who live in a specific geographic area, in a given year. Maternal deaths are the ones that happen during the pregnancy or up to 42 days after its ending, regardless of the pregnancy’s duration or the mother’s geographic location, due to any cause related with or aggravated by pregnancy, or by measures adopted in relation to it, excluding accidental or incidental causes. A significant limitation for the correct estimation of such coefficients is the percentage of deaths and births not informed to the health system. In calculating maternal mortality, another important limitation for the indicator’s accuracy is the incorrect filling out of death certificates that, at times, does not make explicit the existence of pregnancy in the chain of events that directly or indirectly led to the death of the woman of childbearing age.

Aiming at qualifying the understanding of both infant and maternal deaths, many countries, including Brazil, incorporated in their epidemiologic surveillance actions for the monitoring of the deaths of women of childbearing age. This monitoring places declared maternal deaths (Decree nr. 1.119, of June 5th, 2008) and infant and fetal deaths (Decree nr. 72, of January 11th, 2010) in the category of events that require mandatory investigation in public and private health services. As important as having a correct...
counting of infant, perinatal and maternal deaths is the comprehension of the factors associated to these deaths. The maternal, infant and fetal deaths prevention committees are organizations that congregate governmental institutions and organized civil society and work by giving visibility to, following and monitoring these deaths. By evaluating the quality of the assistance provided to pregnant women, during childbirth, and to the infant in its first year, the committees, subsidize public policies for maternal-infant health by proposing actions that may result in the reduction of mortality. These committees fundamentally have an educational and formative character and act confidentially. Although they are invaluable tools for analyzing the deaths, many institutions and municipalities do not keep them active.

In January of 2016, the journal *The Lancet* published a series entitled “*Ending Preventable Stillbirth*”, in which it mentions that ~ 2.6 millions of fetuses are stillborn per year around the world, and 98% of these cases happen in low and middle-income countries. Data show that 50% of those deaths happen during child labor and delivery. It is also emphasized the great impact that such losses have over families, health professionals, societies and governments. The series includes 5 articles written by more than 210 authors from 43 different countries;4–8 its global launch, organized by the *International Stillbirth Alliance*, happened on January 18th, 2016, in London, and it was live broadcasted to many countries. The School of Medicine of the Universidade Federal de Minas Gerais (UFMG) was one of the global headquarters where several members of the academic and civil societies watched the broadcast. Before the broadcast, there was a debate about the reality, the impact and the intervention prospects for reducing stillbirth in the state of Minas Gerais. After the debate, the participants watched the broadcast of the whole event. One of the points of the publication that stands out is the verification that stillbirth is an ignored tragedy. Several countries do not treat stillbirth as a relevant epidemiologic event, which generates enormous difficulty in monitoring its number. Although it is well established that most of these deaths are preventable, that their occurrence affects significantly socially disadvantaged women, especially ethnic minorities, black women, unemployed and/or poor women, and that stillbirth is a tragedy for the families that may have lasting social, psychological and financial effects, the impact of this kind of loss is a topic not properly considered by health professionals, by other family members or by society as a whole. Regarding this scenario, the articles of the series highlight that it is essential that interventions that may interfere in stillbirth rates are the same that recognizably determine the reduction of maternal and neonatal mortality ratio. Obstetric assistance with effective prevention practices against the aggravations to maternal and fetal health represents one of the bases for quality obstetrics. Such assistance should offer appropriate identification and treatment of maternal complications, such as arterial hypertension, diabetes, restriction in the intrauterine growth, and infections, with the conduction of labor based in the best scientific evidences and with a team trained to conduct childbirth without complications and to intervene appropriately in intrapartum urgencies.

According to DATASUS’ (the department of informatics for the public health care system in Brazil)5,10 data, perinatal mortality in Brazil is estimated only in states where the final index (coverage and regularity of the system of information about mortality [SIM]) is equal to or greater than 80%, and the SINASC (information system on live births) coverage is at least 90%. Thus, only the Southern region could have the perinatal mortality rate calculated for all its states in the period between 2010 and 2013. This rate was not calculated for any state in the North and Northeast regions. In the Southeast region, only the state of Minas Gerais had not calculated the perinatal mortality rate, while in the Midwest, calculation was made available only referring to the states of Mato Grosso do Sul and Distrito Federal. The lowest perinatal mortality rate was found in the state of Rio Grande do Sul (12.8 per 1,000 live births in 2013) and the highest in the state of Rio de Janeiro (17.8 per 1,000 live births in 2011. In 2014, 32,1345 fetal deaths were declared, 25,688 of which had gestational age reported to be 22 weeks or more and 2014, 32.1345 fetal deaths were declared, 25.688 of which had gestational age reported as ignored. This scenario demonstrates the fragility of our epidemiological data.

In this number of RBGO, two articles that have a direct or indirect intimate relation to this editorial are published.11,12 In the first one, “Spatial Approach to Perinatal Mortality in São Paulo State from 2003 to 2012”, the authors analyze perinatal mortality rates in the 645 municipalities of the state of São Paulo in two periods (2003 to 2007 and 2008 to 2012). They identify a significant global reduction comparing the 2 periods, with a drop of 8.4% in this rate. Nevertheless,
the numbers found are still much higher than the estimated for developed countries. Through a Moran map construction, a spatial statistical technique that aims at identifying areas where values distribution may present a specific pattern associated to its geographic location, it was possible to identify the municipalities that presented the higher reduction of perinatal mortality rates, as well as municipalities that need a special attention regarding the processes of maternal and perinatal health assistance. The study also allowed the correlation between perinatal mortality and life conditions in each municipality, showing that the higher rates are concentrated in the municipalities with worse health and life quality indicators, including maternal schooling. The second study, “Factors Associated with Infant Mortality in a Northeastern Brazilian Capital”, is a retrospective cohort based on secondary data of births and deaths of infants whose mothers lived in the municipality of Teresina (Piauí) in 2011. It makes an analysis using a hierarchical model according to socioeconomic, assistance, obstetric and biological determiners. The authors demonstrate that, for the distal-level of infant mortality determination (mother’s socioeconomic conditions and the kind of institution that performed childbirth), the characteristics maintained as statistically significant were maternal age, schooling and occupation. In the intermediate level (obstetric antecedents, kind of pregnancy and childbirth, and the number of prenatal consultations), the kind of pregnancy and childbirth were the most relevant. In the proximal-level (newborn’s biological characteristics), the gender was a characteristic with no association to the mortality rate. Although this second study does not include stillbirth data, it signals to the importance of caring for women’s life conditions and health, as well as for prenatal and childbirth assistance, as these are determining factors of infant death risk.

In 2015, the United Nations defined the Sustainable Development Goals (SDGs) as part of a new agenda that must conclude the Millennium Development Goals (MDGs). The agenda, that includes 17 goals and 169 targets, places before each one of us a commitment of citizenship to be fully kept. Governments and civil society must be mobilized to keep the global commitment of ending poverty, promoting prosperity and the well-being of all, protecting the environment, and facing climate changes. The challenges for our country are significant, specifically in maternal–infant health. Gynecology and obstetrics are some of the specialties that may be the difference in the results achieved. Teamwork, with proper training and qualification of the professionals; dignified working conditions and respect to the individual, to the community and to the environment must be the motto of our professional exercise. This is the invitation, the challenge and the certainty that it is possible to change our future.

References