the first 1000 days; our and professional understanding of the long term. There is limited community but have negative implications in the may be beneficial in the short term. This powerful capacity is both a blessing in medical care. A reduction in perinatal mortality of more than sevenfold has also occurred over the same period. Increasingly, it is understood that further improvements in perinatal outcomes and intergenerational health can be achieved by optimising the maternal environment before conception, during pregnancy and in the first two years of a child’s life. The term ‘first 1000 days’ was coined in 2010, at the World Bank headquarters in Washington DC, at a gathering of developmental experts who were looking at how best to address the issue of undernutrition in low-resource settings. The developing fetus and infant are at their most adaptable and most vulnerable during the first 1000 days. From the time of conception, the fetus reacts to environmental changes and is able to adapt in response to signals provided by the mother’s physical and mental state. This powerful capacity is both a blessing and a curse, as adapting to adverse events may be beneficial in the short term but have negative implications in the long term. There is limited community and professional understanding of the significance of the first 1000 days; our health system in Australia is often focused on acute rather than preventive care, and pregnancy planning is not widely adopted. Studies on antenatal patients in Australia have found that only 50% plan their pregnancies. The Centre for Community Child Health in Melbourne was recently part of an alliance that summarised the evidence for the importance of the first 1000 days in a paper. The key messages incorporate notions of the developmental origins of health and disease, as well as the broader social determinants of health and the inherent drawbacks of modern urban living. Preconception lifestyle modification, pregnancy planning and weight loss are excellent ideas but may not always be feasible or logistically possible. The most promising approaches to improve the lived environment for all are multilevel and focus on policy change, with participation from actors in multiple sectors. Articles in this edition of AJGP discuss preconception care, recurrent miscarriage, gestational diabetes mellitus (GDM) and pelvic pain. Recurrent miscarriage is on the rise; one Swedish study showed an increase in recurrent miscarriages from 42 per 100,000 women aged 18–42 in 2003 to 73 per 100,000 women in 2012. The authors postulated that environmental and immunological changes in people’s lives have had a significant impact on this increase. GDM is also on the rise in Australia, affecting 12–15% of women in the second trimester of pregnancy. Risk factors for GDM are similar to those of recurrent miscarriage and include older age, obesity and polycystic ovarian syndrome. Good management is crucial for the prevention of long-term health issues for the mother and the child. Pelvic pain in pregnancy can be suboptimally managed by health professionals and can affect the mobility and quality of life for women during pregnancy and beyond. In many respects, we have world-class care in Australia for pregnant women. However, the challenge ahead is to recognise the broader context of women’s lives and integrate public policies on health and the environment, to enable communities to make choices that will improve the short-term and long-term outcomes for women and their children. We are taking the first step in Australia by recognising the significance of the first 1000 days, but this is yet to be promoted in national strategies. Small investments in this field have the potential for great gains, and we should be supporting the concept of the continuum of care that is promoted in low-resource settings.

Kirsten I Black

THIS EDITION OF Australian Journal of General Practice (AJGP) addresses issues of fertility and pregnancy care. In Australia, the maternal mortality ratio has decreased 100-fold since the early 1900s, through improvements in the general health and wellbeing of the population and advances in medical care. A reduction in perinatal mortality of more than sevenfold has also occurred over the same period. Increasingly, it is understood that further improvements in perinatal outcomes and intergenerational health can be achieved by optimising the maternal environment before conception, during pregnancy and in the first two years of a child’s life.

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REFERENCES
There is limited research and assessment with any of the COVID-19 Vaccines with regard to fertility and pregnancy. Preliminary animal studies are inconclusive (do not indicate direct or indirect harmful effects) with respect to pregnancy, embryo fetal development, parturition or post natal development. Nothing definitive has been demonstrated because the animal studies have not been completed nor their relevance to human risk with vaccines for COVID-19 established. You will be a PHASE III guinea pig if you currently have the vaccination. Administration of COVID-19 Vaccine in pregnancy should only be considered when the potential benefits outweigh any potential risks for the mother and fetus. Home care support should be considered and if they plan for external day care for the child, they should be informed about the common problem of recurring infections in bigger groups of small children, and perhaps consider a day nursery, a “day mother” or some other form of day care in small groups. 4.2. Counselling. Despite providing information and support to both young adults and their parents about pregnancy and fertility in CF, there will continue to be some women who present already pregnant. There are many reasons that young women with CF get pregnant, for some it is a genuine accident, some do not listen or remember advice and some want to get pregnant despite advice. Pregnancy after 35 takes special care. Here’s help giving your baby the best start. If you’re older than age 35 and hoping to get pregnant, you’re in good company. Many women are delaying pregnancy well into their 30s and beyond and delivering healthy babies. Taking special care can help give your baby the best start. Understand the risks. The biological clock is a fact of life, but there’s nothing magical about age 35. Women’s Urinary Problems. Fertility and Pregnancy Care After Cancer Treatment. Imaging. Research themes. We have a comprehensive program of research to assess the risk of preterm birth and other complications of pregnancy in women who have had treatment for CIN and cervical cancer. This produced a series of highly influential papers in the world’s top medical journals. We have established special clinics to manage pregnancy in women who have had LLETZ or trachelectomy, which enables us to study why they are at increased risk of preterm birth and to devise treatment strategies to reduce that risk. What about vaccines and fertility? WHO’s Dr Soumya Swaminathan explains in Science in 5. And so any drug or vaccine that is administered during pregnancy, we always take special care to make sure that, you know, there is no potential safety concern or any adverse event. In the case of COVID, we know that pregnant women are at higher risk of getting severe COVID and also at higher risk of delivering a baby prematurely. So, in situations where there is a lot of COVID transmission in the country and a woman is exposed to it, or if she’s in a profession like a healthcare worker or a frontline worker where she’s at especially high risk of acquiring the infection, the benefits of getting the vaccine definitely outweigh the risks, particularly since the platforms that.