Editorial

Child mortality in the Eastern Mediterranean Region: challenges and opportunities
Zulfiqar A. Bhutta, MBBS, PhD, FRCP, FRCPCH, FCPS, FAAP1

In the year 2000, 189 heads of state signed the United Nations (UN) Millennium Declaration consisting of eight Millennium Development Goals (MDGs) with a focus on an integrated global agenda for poverty reduction, health, education and human development [1]. Although many countries have made progress, corresponding gains in targets for child survival (MDG4) and maternal survival (MDG5) are slow. It is estimated that to achieve MDG4 targets, the annual rate of decline in child mortality should be around 4.4%, but the corresponding rate of decline since 1990 has only averaged 1.5% with wide variations between regions (Figure 1). Similarly, to achieve MDG5, the annual rate of maternal mortality decline needed to be 5.5% but global figures since 1990 indicate a decline of only 1.9% [2,3].

Around 39,000 women of childbearing age still die every year in the World Health Organization Eastern Mediterranean Region (EMR) as a result of pregnancy-related complications (sepsis, haemorrhage, eclampsia, obstructed labour and unsafe abortions) [4]. Mortality rates are particularly high among pregnant adolescents who account for a significant proportion of first births. Overall the maternal mortality ratio (MMR) in EMR fell by 53% between 1990 and 2010, and six countries have already achieved MMR beyond MDG5 targets and seven more are on track. Over 90% of the burden of maternal deaths in the Region is shared by seven countries: Afghanistan, Iraq, Morocco, Pakistan, Somalia, Sudan and Yemen. In terms of MDG5, five countries are not on track to achieve its targets: Djibouti, Iraq, Pakistan, Somalia and Tunisia [5].

In EMR 12.2% of the population comprises children under 5 years of age, while 20% are women of childbearing age. An estimated 923,000 children under 5 years die every year in the Region and under-five mortality has decreased by only 41% since 1990, from 99 deaths per 1000 live births to 58 per 1000 live births in 2011. EMR ranks fifth among the six WHO regions in terms of progress in reducing the under-five mortality, ahead only of the African Region [5].

Progress across the Region for child survival remains uneven. Six countries (Oman, United Arab Emirates, Bahrain, Lebanon, Qatar and Saudi Arabia) in EMR have already achieved reductions in the under-five mortality rate well beyond the targets of MDG4. The highest decrease in under-five mortality in the world (72%) between 1990 and 2010 did occur in the Northern African countries of the Region. Of the total under-five deaths in EMR, 82% occur in six countries (Afghanistan, Pakistan, Somalia, South Sudan, Sudan and Yemen). Of these, three countries, Sudan, Afghanistan and Pakistan, are among the 10 countries with highest child mortality in the world, a fact that has been recognized for almost a decade [6]. It is largely because of the high under-five population and mortality rates in these countries, which represent over half (54%) of the total population in the Region, that EMR is unlikely to achieve MDG4.

We also know a fair bit about the major causes of child mortality in the Region and its determinants. Neonatal deaths represent a substantial proportion (43%) of under-five mortality in the Region and are clearly linked to the poor status of maternal health among the poorest sections of the population [7]. In four countries, namely Afghanistan, Pakistan, Somalia and Yemen, less than 50% of deliveries were attended by skilled health personnel in 2010 [8]. Across the Region, only 31% of married women use modern contraceptives and 35% of women and newborns are delivered without a skilled attendant at childbirth. Beyond the neonatal period, four disorders – diarrhoea, pneumonia, malaria and measles – are the major causes of post-neonatal death [9].

These findings reinforce the imperative for action. Without intensive and accelerated action, especially in those countries contributing to the bulk of under-five deaths, the Region will not join the rank of developed countries and those that have climbed the development ladder. In recent months, commendable progress has been made in raising awareness in the Region and building the case for relevant evidence-based actions for change. A high-level meeting of health ministers,
technical experts, academia and leading UN agencies was held in Dubai in January, 2013 and culminated in a consensus “Dubai Declaration” and a renewal of pledges for accelerated efforts. Four pillars were identified as critical to progress.

First, countries in the Region need to have reliable and robust information for action [10]. Not only does this relate to mortality trends and overall status, but disaggregated data highlighting differentials and vulnerable populations within countries is needed. Second, it was noted that evidence-based interventions existed but were failing to reach many who needed them most. These include not only the poorest sections of the population resident in difficult to access rural outposts but also those living in urban slums and marginalized on the basis of race or ethnicity. The monitoring process for coverage of essential interventions across the continuum of care spearheaded by Countdown for 2015 is one such initiative that could be used at the country level to assess progress and coverage [8]. Third, while interventions exist, there is a need to focus on delivery strategies and mechanisms for scaling up coverage in the short term. These include innovations for demand creation, removal of financial barriers as well as service delivery through community platforms and health workers who can reach the marginalized and poorest sectors of the population [11]. Finally, none of the above can be achieved without robust measures for monitoring and accountability. This must be done transparently and with the clear recognition that regular monitoring of gaps and remedial measures are critical to achieving equitable coverage. There is clear evidence that greatest gains in equity for coverage are in countries that have targeted scaling up universal coverage and deployed measures to reach the poor [12]. This cannot be done without information and targeted measures to address services in conflict-affected populations.

The challenge of wide differentials in maternal and child survival and life expectancy in EMR is real and a moral imperative to act for a Region rich in history, resources and a unifying faith that places social justice and rights of women and children at its core. We need to rise to the challenge and achieve such gains in equity for future generations, within a generation.

References


