

Healthy Timing & Spacing of Pregnancy (HTSP) In the Philippines

HTSP is an intervention to help women and families delay or space their pregnancies to achieve the healthiest outcomes for women, newborns, infants, and children, *within the context of free and informed choice*

Summary

Key research findings regarding the risks of closely spaced pregnancies:

- Recent USAID-sponsored research found that unhealthy pregnancy spacing is associated with multiple adverse outcomes for mothers and newborns.
- Becoming pregnant too soon after a previous birth, miscarriage, or abortion places mothers and newborns at a higher risk of health complications—or even death.
- Early pregnancy (when mother is younger than 18) the mothers and their newborns face increased risks of health complications compared to women 20-24 years old.

In the Philippines:

- Among married women of reproductive age (MWRA) approximately 1 out of 3 of births are spaced <2 years apart
- Among mothers between 15 and 19 years old, nearly 50% of births are spaced <2 years apart

Considerations for program design:

- When women and their families are advised of the benefits of pregnancy delay and spacing, use of family planning increases substantially.
- How can improved HTSP advocacy, behavior change communication, counseling, and community outreach play a role in helping women achieve the longer intervals they want and reduce the risk of the adverse health outcomes?

Consider these findings in relation to the overall risks to mothers and newborns in Philippines.

Annual number of births*	2,018,000
Annual number of neonatal deaths**	30,150
Neonatal mortality rate*	15
Annual number of infant deaths (includes neonatal)**	50,920
Infant mortality rate*	25
Annual number of <5 deaths (includes both infant and neonatal deaths)*	67,000
Child mortality rate*	33
% of infants with low birth weight*	20
Annual number of low birth weight infants**	403,600
Annual number of maternal deaths**	3,730
Maternal mortality rate (UNICEF adjusted #)*	170-200
Lifetime risk of maternal death when a woman becomes pregnant*	1 in 120

Healthy timing and spacing of pregnancy may help reduce the consequences of these health risks for mothers and newborns.

Sources: *UNICEF State of the World's Children, 2007.
** Calculated from UNICEF data.

Introduction

Recent research from developing countries shows that unhealthy timing or spacing of pregnancies is linked to increased risk of multiple adverse health outcomes. Table 1 shows how it can affect the health of the mother and the newborn.

Following a pregnancy that occurred quickly after a previous birth, the risk of a child dying is at least twice as high as that for longer intervals.

An infant born after a short interval has increased chances of:

- Being born pre-term
- Having below normal weight at birth
- Being small for gestational age

A woman who becomes pregnant too quickly following a previous birth, or induced abortion or miscarriage, faces higher risks of:

- Anemia
- Premature rupture of membranes
- Abortion
- Miscarriage
- Death

Table 1. Risks of Adverse Health Outcomes After Very Short Interval Pregnancy, Compared to the Reference Group Interval Used in the Selected Study

RISKS WHEN PREGNANCY OCCURS 6 MONTHS AFTER A LIVE BIRTH		
Adverse Outcome	Increased Risk	
Induced Abortion	650%	
Miscarriage	230%	
Newborn Death (<9 mos.)	170%	
Maternal Death	150%	
Preterm Birth	70%	
Stillborn	60%	
Low Birth Weight	60%	
RISKS WHEN PREGNANCY OCCURS QUICKLY AFTER AN ABORTION OR MISCARRIAGE, COMPARED TO RISKS AFTER WAITING 6 MONTHS		
	Increased Risk After 1-2 Mos. Interval	Increased Risk After 3-5 Mos. Interval
Low Birth Weight	170%	140%
Maternal Anemia	160%	120%
Preterm Birth	80%	40%
<small>Sources : Conde-Agudelo, et al, 2000, 2005, 2006; Da Vanzo, et al, 2004; Razzaque, et al, 2005; Rutstein, 2005.</small>		

World Health Organization (WHO) Recommendations

Based on a review of six USAID-supported studies, WHO produced a policy brief in 2006 on birth spacing which included the following preamble and recommendations:

Preamble

Individuals and couples should consider health risks and benefits along with other circumstances such as their age, fecundity, fertility aspirations, access to health services, child-rearing support, social and economic circumstances, and personal preferences in making choices for the timing of the next pregnancy.

Recommendation for spacing after a live birth

After a live birth, the recommended interval before attempting the next pregnancy is at least 24 months in order to reduce the risk of adverse maternal, perinatal and infant outcomes.

Recommendation for spacing after an abortion

After a miscarriage or induced abortion, the recommended minimum interval to next pregnancy is at least six months in order to reduce risks of adverse maternal and perinatal outcomes.

Source: World Health Organization, 2006 Report of a WHO Technical Consultation on Birth Spacing

In addition to the two recommendations in the WHO policy brief, ESD operational messages include a 3rd message for adolescents – “for adolescents, the recommended time period for the first pregnancy is at least 18 years of age or older.”

Within the context of informed choice about spacing or limiting future pregnancies, *for those who choose to space*, the above recommendations in the 2006 WHO Policy Brief, in conjunction with the preamble should be incorporated into counseling and behavior change communication messages.

Birth Spacing Trends and Demand and Unmet Need for Spacing

1 in 3 pregnancies takes place too soon after a prior birth

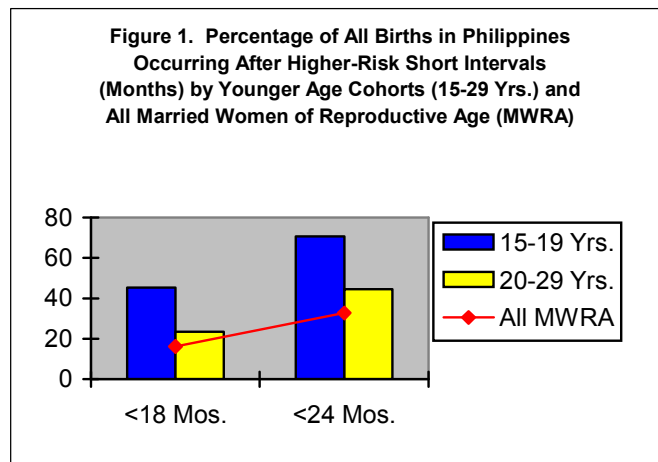
In the Philippines, 32% of all births occur less than 24 months after a prior birth and, thus, sooner than the recommended interval **Nearly a third (32.8%) of all births, and more than 2 of 3 births to 15-19 year olds in the Philippines occur less than a 24-month interval following a previous birth** (see Figure 1). The general risk of a child dying by its 5th birthday, following a pregnancy that occurred 15 to 27 months after an earlier birth, is 27% to 86% higher than for longer intervals.

Incidence is declining, but there is still work to be done

Over the past 10 years, the portion of births occurring after the recommended interval has declined by about 10%. Nevertheless, a high number of pregnancies in the Philippines happen too soon. **Virtually all adolescent pregnancies carry increased health risks because of short birth intervals.**

In the Philippines younger women have unmet need for family planning

Younger women face unnecessary health risks on both the *timing* and *spacing* of pregnancies. The rate of adolescent pregnancies has increased slightly over the past 10 years and almost all births to 15-19 year olds are spaced less than 2 years apart. According to the 2003 DHS, 1 in 3 married women of reproductive age in the Philippines use a modern contraceptive method, however, only about 1 in 10 women aged 15-19 is a current user of modern contraceptives. There is even demand to space among zero-parity women; for example, 29% of the 15-19 year olds with spacing demand in the Philippines have not yet had a child (Jansen 2005).



Spacing Patterns and Programmatic Implications

A major reproductive health issue

The Philippines boasts a contraceptive prevalence rate over 45% (any method), which indicates a strong awareness and utilization of FP methods, however available data and information indicate that the higher risks of short birth intervals and early pregnancies still represent a major reproductive health issue. The problem of short birth intervals is even more pronounced in younger women, among whom the highest risks from very short birth intervals are more common. Although contraceptive prevalence has increased since 1992, it is likely that the majority of existing demand for spacing still goes unmet and the high frequency of short birth intervals demonstrates how much further family planning services must progress to better address birth spacing needs.

Strategies are needed

To reduce the current number of pregnancies that occur less than recommended intervals, couples will need easier access to spacing services that are responsive to their circumstances. Since most of the births occurring among women 15-19 years old are first births, the main issue for this age cohort is the timing of the first pregnancy. Communication, counseling and services for adolescents should focus on the health risks associated with the timing of a first pregnancy and birth.

Program research findings to date

Operations and survey research indicate that when women and their families are advised of the health and quality of life benefits of pregnancy delay and spacing, use of family planning increases substantially. One study conducted in India found that use of contraception for delaying the first child increased from 5% to 20% over 4 years in the intervention area, and from 4% to 8% in the control area. The same study found that use of contraception for spacing the second child increased from 14 to 33% in the intervention area and from 10 to 20% in the control area. A project in Egypt, implemented from 2003-2005, which improved the quality of services, and included HTSP counseling and community outreach among influential leaders, was found to have increased the contraceptive prevalence rate from 50 to 80% among all married women of reproductive age and from 38 to 73% among young, low-parity women. Similar studies are underway in Egypt, India, Yemen, Nepal, and Bangladesh.

Recommendations

These statistics inform the following recommendations:

- **Present HTSP data to decision-makers**, to advance understanding of the role of pregnancy timing and spacing in the health of mothers and newborns in Pakistan.
- **Implement HTSP behavior change communication** and counseling interventions as an integral risk prevention strategy in all family planning, child and maternal health communications and client counseling protocols.
- Ensure that the two 2006 **WHO pregnancy spacing recommendations**, as well as information on the specific health benefits associated with the healthy timing and spacing of pregnancy are included in all communications and protocols.
- **Develop or strengthen** pregnancy delay or spacing services and communication activities for young (15-29 years) clients.
- To achieve a more balanced method mix, **help families understand** that long-acting and intermediate methods (IUDs and injectables) are safe, and can effectively help them achieve their spacing preferences.
- **Expand communications and service delivery efforts** among zero-parity adolescents that are oriented to health risks associated with the timing of a first and subsequent pregnancy.
- Use this HTSP Profile in advocacy with national policymakers and district health teams, to **advocate for increased resources for HTSP interventions**.

Definitions

Unmet need for spacing: The percentage of currently married women who want to wait before having their next birth and are not using any method of family planning. Included with the unmet need for spacing are pregnant women whose pregnancy was mistimed; amenorrheic women whose last birth was mistimed; and, fecund women who are neither pregnant nor amenorrheic, not using any method of family planning, and who want to wait two or more years for their next birth. Unmet need for spacing also includes fecund women who are not using any contraception and are unsure whether they want to have another child or who want another child but are unsure when to have the next birth.

Demand for family planning for spacing: The sum of current contraceptive prevalence for spacing (including currently pregnant or amenorrheic women whose pregnancy or last birth was the result of a contraceptive failure) and the unmet need for spacing.

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