Adolescent Pregnancy: A global perspective

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Training Course in Sexual and Reproductive Health Research Geneva 2010

- 1. What is the magnitude of adolescent pregnancy ?
- 2. What are the consequences of adolescent pregnancy ?
- 3. What are the circumstances in which adolescent pregnancy occurs ?
- 4. What needs to be done to respond to adolescent pregnancy?
- 5. What is the relevance of adolescent pregnancy to the Millennium Development Goals ?

Adolescent pregnancy



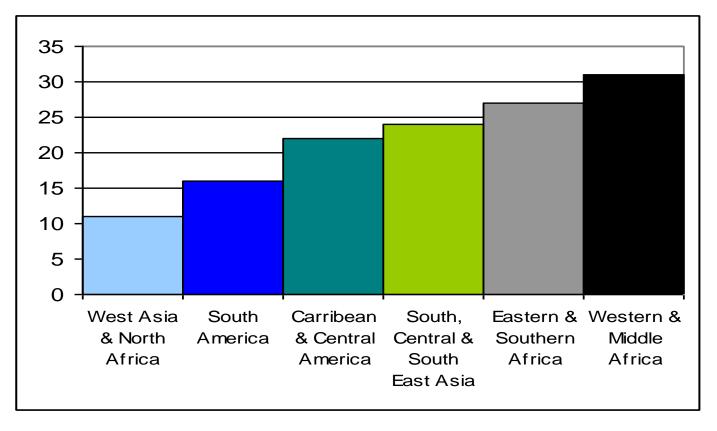
About 16 million girls aged 15-19 years give birth annually. 90% of them are in developing countries.



The characteristics of young mothers are common across the regions of the world: -Little education, -Rural dwelling, -Low income.

Source: Growing up global: The Changing Transitions to Adulthood in Developing Countries (National Research Council, 2005).

More than 1/5 of women in the poorest regions have a child by age 18.



Source: Tabulations of demographic & health surveys from 51 countries, 1990-2001. (National Research Council, Growing up global: The Changing Transitions to Adulthood in Developing Countries, 2005).

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Greater likelihood of maternal mortality



- 1400 1200 1000 800 **20-34** years 600 15-19 years 400 200 Ethiopia **B'desh** Brazil
- The risk of dying from pregnancy-related causes is twice as high for adolescents aged 15-19, as for older women.

Source: Safe Motherhood Initiative Factsheet, 1998. Adolescent Sexuality & Childbearing.

Clinical causes of maternal mortality among adolescents – 1/3

- Unsafe abortion¹
 - Study from a teaching hospital in Nigeria (over a 10 year period) abortion was the cause of 36.9% of maternal deaths in 10-19 year olds
- Obstructed labour²
 - Strong indications of higher risk in mothers below16 years since pelvis is still not fully developed
 - Many studies use caesarean section incidence as a proxy for obstructed labour – many studies in Africa and one in India found a greater likelihood of this in adolescents than in adults

Clinical causes of maternal mortality among adolescents – 2/3

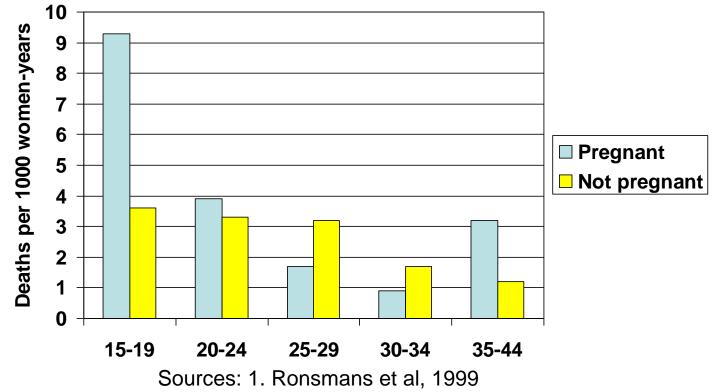
- Hypertensive disorders
 - Two studies one in Turkey¹ and one in Mozambique² – found an increased incidence of hypertensive orders in adolescent mothers, when compared to non-adolescent mothers. However, other studies³ have shown no difference
 - But they did not standardize for parity



Sources: 1. Bozkaya et al, 1996; 2. Granja et al, 2001; 3. Ministerio de Salud, El Salvador, 2007

Clinical causes of maternal mortality among adolescents – 3/3

- Injuries suicide and homicide
 - In a study in Bangladesh, violence-related injuries were highest among pregnant adolescents¹



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Maternal morbidities in adolescents – 1/2

- Anemia
 - Large, high quality study in Latin American & Caribbean found that mothers below16 years old had a 40% increased risk of anemia, compared to mothers age 20-24¹
 - There were no significant differences for older adolescents

Maternal morbidities in adolescents – 1/2

- Malaria
 - In a recent study in Mozambique, malaria was the cause of death in twice as many adolescent mothers (26.9%) as nonadolescent mothers (11.7%)¹
- Obstructed labour fistulae
 - Studies in Africa have shown that 58-80% of women with obstetric fistulae are under age 20, with the youngest aged only 12 or 13 years²
 - 59% and 27% of fistulae cases occurred in women below 15 & 18 years respectively³

Babies born to adolescent mothers face higher risks

- Adolescents are at an increased risk for pre-term labour & delivery, compared to older women.
- Babies born to adolescent mothers are more likely to be of low birth weight.
- Babies born to adolescent mothers are at an increased risk of perinatal & infant mortality.

Source: Adolescent pregnancy – Issues in adolescent health and development. Geneva. WHO 2004.

Relationship between maternal age and perinatal outcomes

- Rigorous study in Latin American & the Caribbean showed that:
 - Adolescent mothers had higher risks of regular & very preterm delivery, & of giving birth to infants that were low & very low birth weight, as well as small for gestational age (compared to women aged 20-34)
 - Infants born to women below 16 years faced a 50% increase in risk of early neonatal death
 - All risks increased as maternal age decreased

Potential risks to the adolescent mother's life prospects

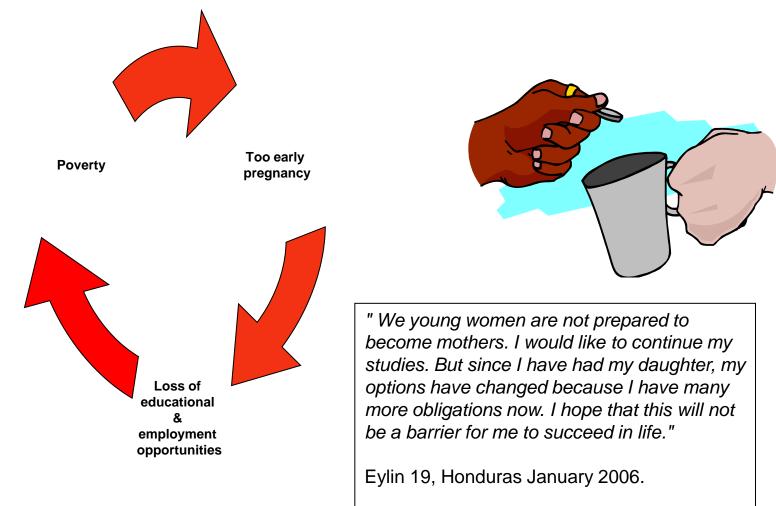
•Pregnancy can bring status for a married adolescent in cultures where motherhood is the core aspect of a woman's identity.



 On the other hand, an unmarried pregnant adolescent may be driven away by her family, or abandoned by her partner & be left with no means of support.

Socio-economic deprivation:

both a cause & consequence of adolescent pregnancy



Source: World Development Report 2006 (World Bank, 2006.)

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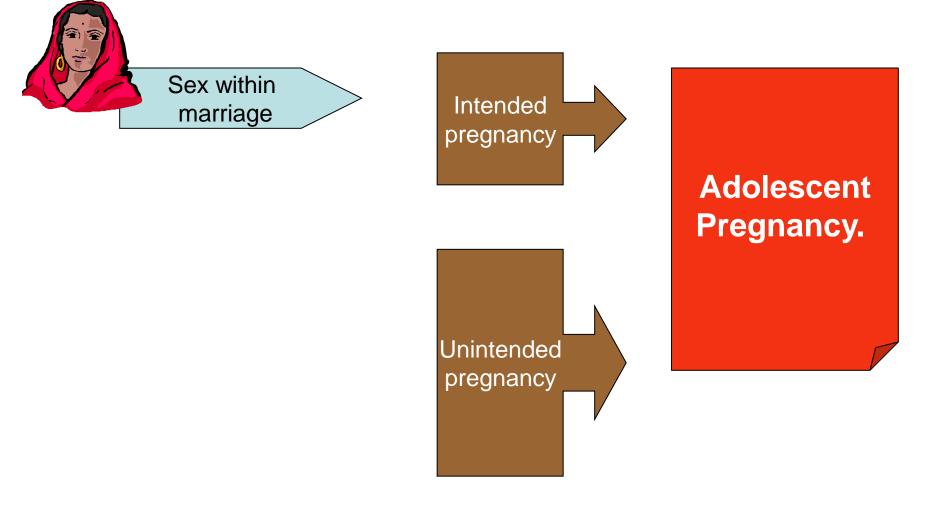




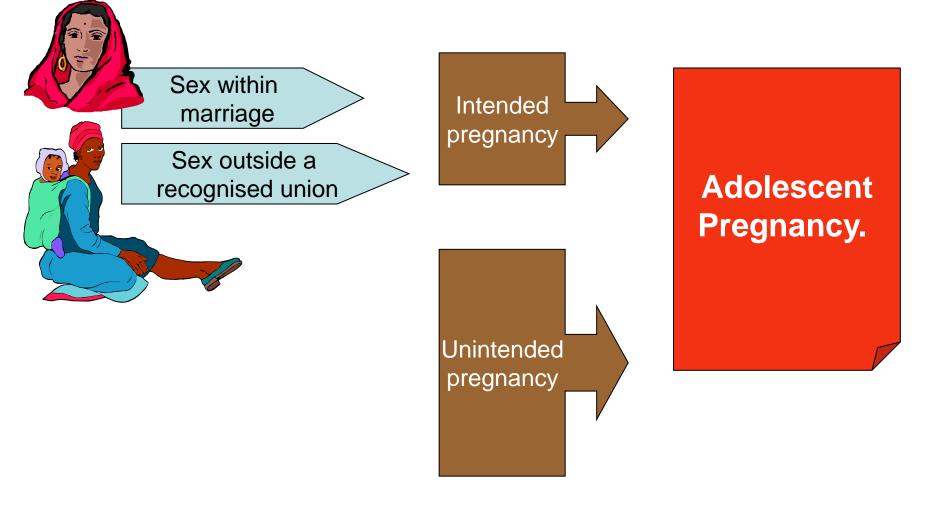
 First sexual activity occurs between 15-19 for the majority of adolescents; it is not occurring earlier than in the past. For many girls it occurs in the context of coercion & violence.
Over 1/3rd of adolescents

2. Over 1/3rd of adolescents girls marry (or are *"married off"*) before 18.

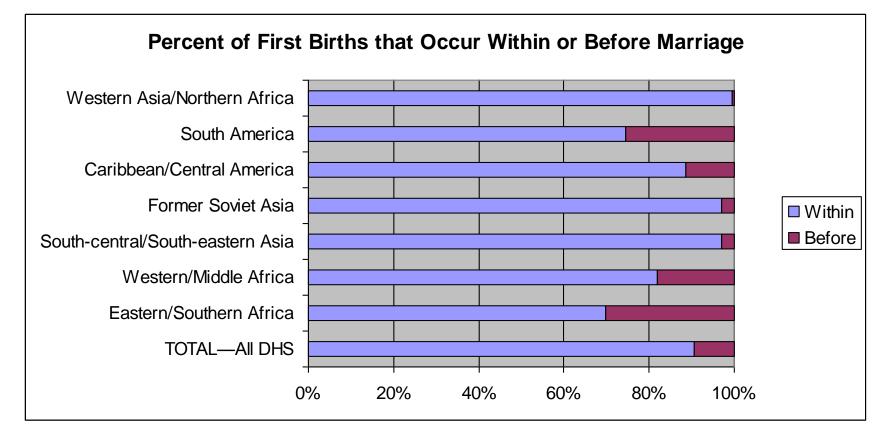
Circumstances in which adolescent pregnancy occurs.



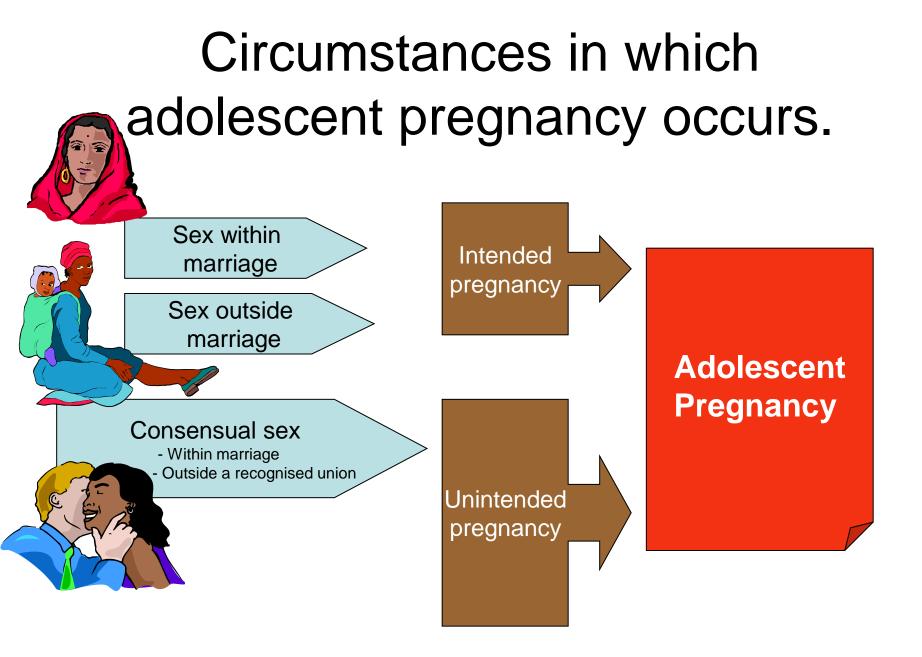
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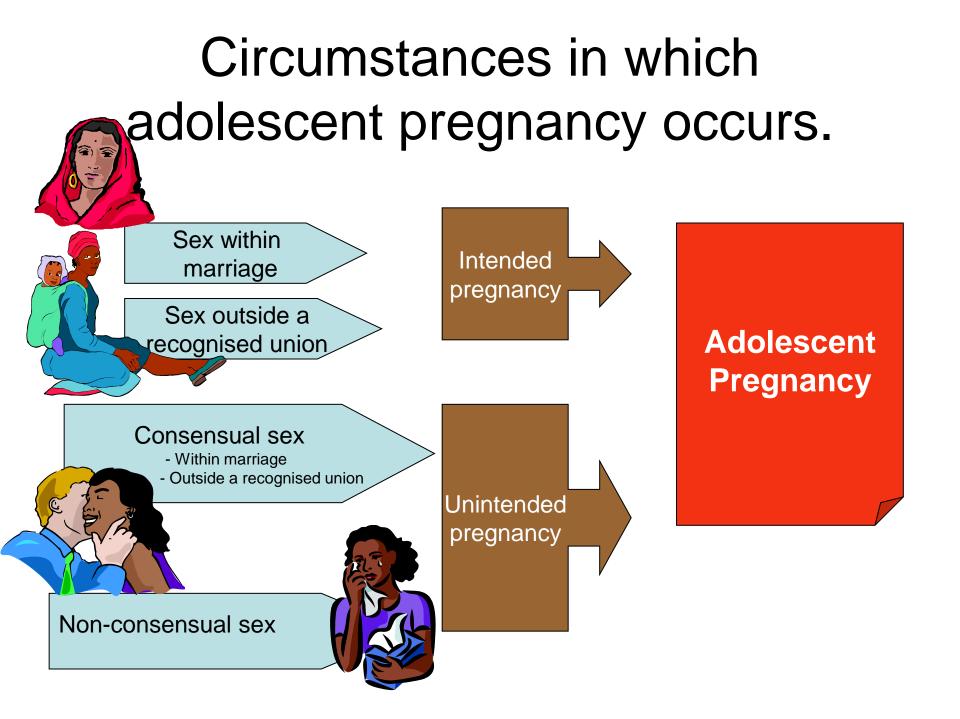


Pregnancy within & before marriage: Data from developing countries

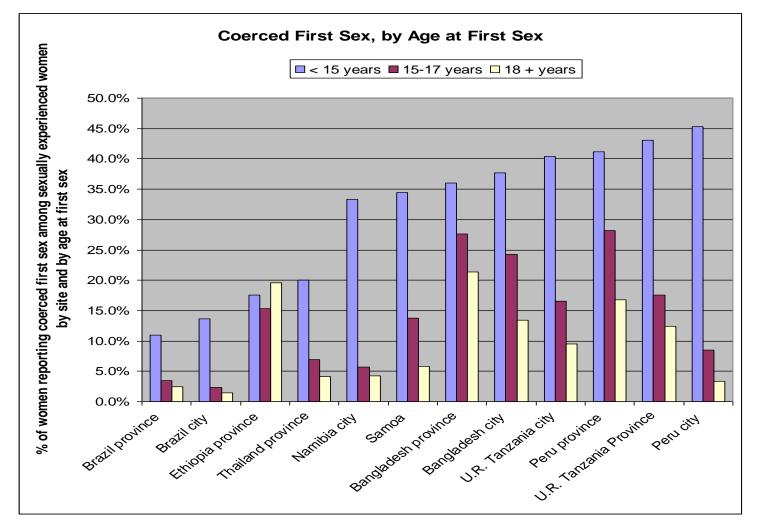


Source: National Research Council & Institute of Medicine, 2005





Levels of coerced sex & its association with age of first sex



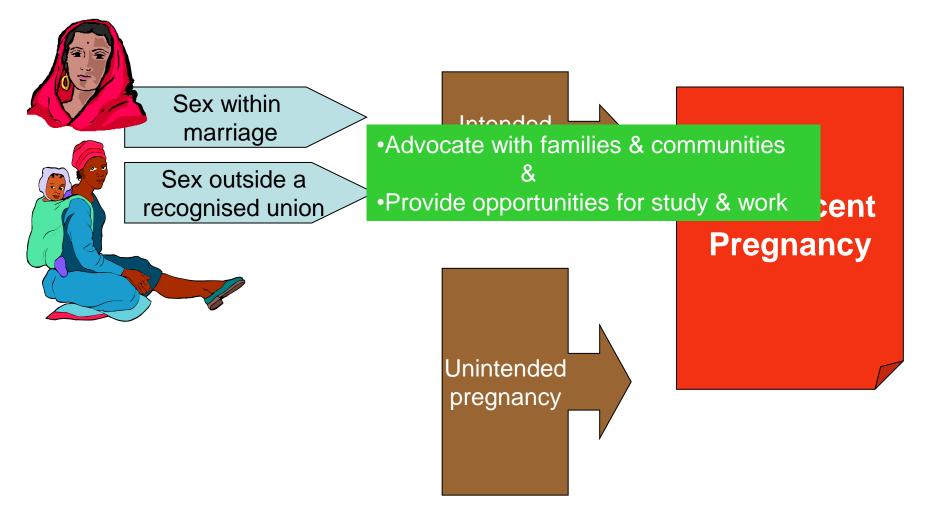
World Health Organization, 2005

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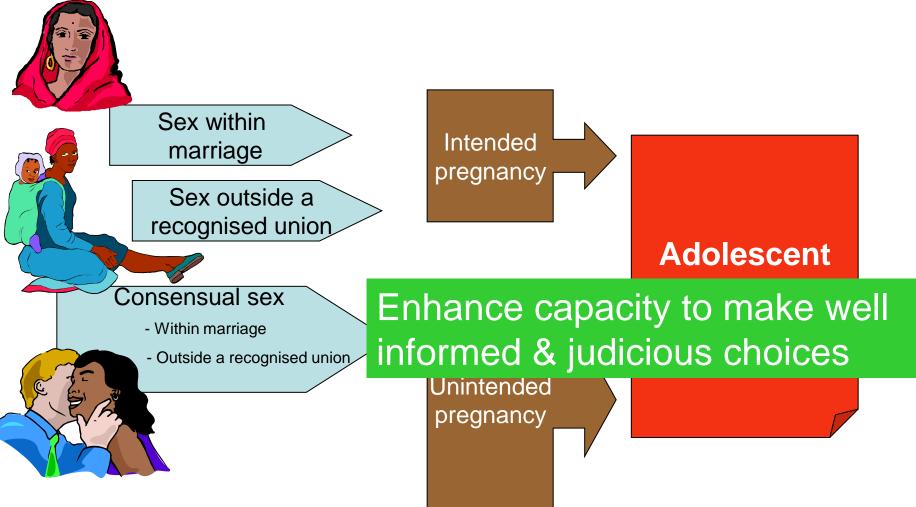
Adolescent pregnancy



Choosing the right interventions.



Choosing the right interventions.





- Promote individual responsibility & protective norms
- •Provide health services &

products



Schools



Mass media



Civil Society (Community Organizations)

Health services

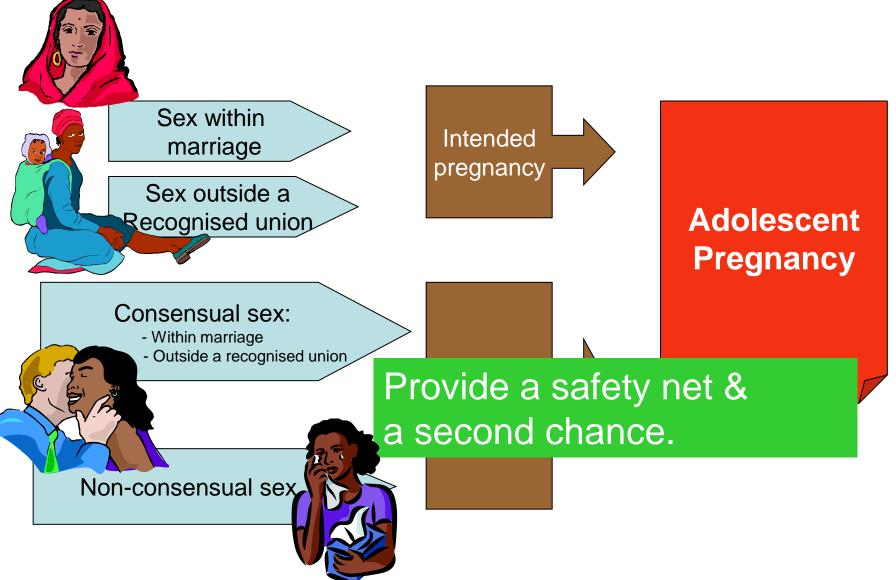
Work with young men within & outside the context of marriage or other recognised union.





Useful reference. The RSDP/Pathfinder Bangladesh Newlywed strategy: Results of an assessment. Washington DC, Pathfinder-Focus on Young Adults. 1999. Useful reference: Promoting healthy relationships & HIV/AIDS. Prevention for young men: Positive findings from an intervention study in Brazil. Horizons Research Update, 2004.

Choosing the right interventions.







Making Emergency Contraceptive Pills (ECPs) widely available & accessible.

Useful reference: Program for Appropriate Technology. Increasing youth access to services. Directions in Global Health. 2004; 1 (1) 4-5.

Providing safe abortion services (where legal) or

Providing effective post-abortion care.

Useful reference: Herrick J post abortion care programs for adolescents. FOCUS Youth Adolescent Reproductive Health Briefs. No. 5, Washington DC, USA. Pathfinder International. Focus on Youth Adults. 2002.



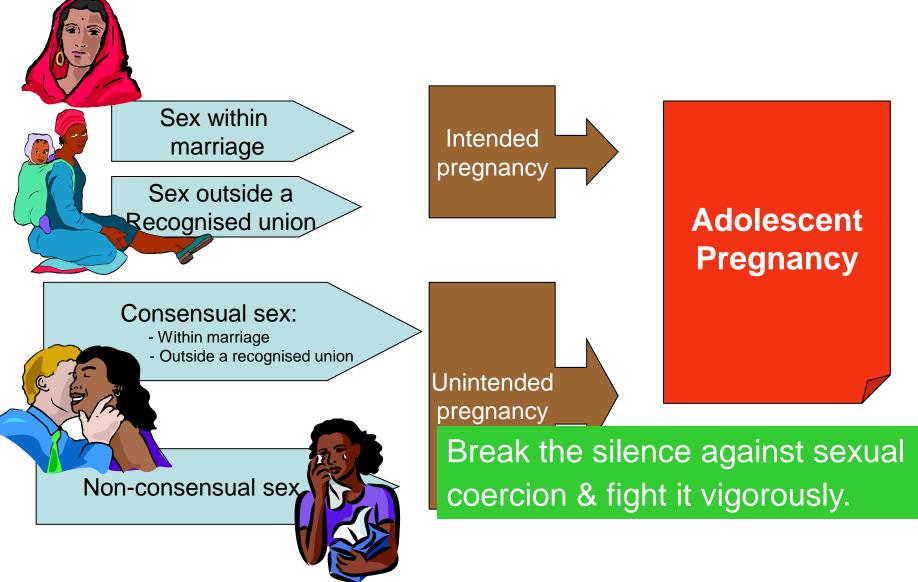
Preventing subsequent pregnancies is key

Preventing second pregnancies by supporting adolescent mothers.

Useful reference: McNeil P. Women's Centre of Jamaica Foundation. Preventing second adolescent pregnancies by supporting young mothers. Youth Adult Reproductive Health. Project Highlights. Focus on Young Adults Directions in Global Health. 1998.



Choosing the right interventions.



Break the silence against sexual coercion & fight it vigorously.



- Bring perpetrators to justice.
- Mobilize public opinion to be intolerant of it.
- Protect girls/women from sexual harassment & coercion in educational institutions, work places & in other community settings.
- •Empower them to protect themselves, and to ask for & get help when needed.

Policy maker

Creates an environment that supports the health of pregnant women & new borns

Community

Advocates & facilitates preparedness & readiness actions

Family

Support pregnant woman's plans during pregnancy, childbirth & the postpartum period.

Woman

Prepares for birth, values & seeks skilled care during pregnancy, childbirth & the postpartum period

Facility

is equipped, staffed & managed to provide skilled care for the pregnant woman & the new born

Provider

provides skilled care for normal & complicated pregnancies, births & the postpartum period

Ensuring that young pregnant women get the health care & social support they need

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The relevance of adolescent pregnancy to the Millennium Development Goals (MDGs)

- Adolescent pregnancy contributes to maternal mortality
- Adolescent pregnancy contributes to perinatal and infant mortality
- Adolescent pregnancy contributes to the vicious cycle of poverty.



The relevance of adolescent pregnancy to the Millennium Development Goals (MDGs)

- Adolescent pregnancy • contributes to maternal
- Addressing adolescent pregnancy is Addressing audrescent pregnancy is Mortant for achieving the MDGs to reduce the MDGs to r Inportant tor active ving the wipos to reduce mortality & maternal mortality & maternal mortality • , cle of poverty.



The contexts of adolescent pregnancies are not always the same.

World Health Organization

Having a child outside marriage is not uncommon in many countries. Latin America, the Caribbean, parts of sub-Saharan Africa and high-income countries have higher rates of adolescent pregnancy outside marriage than does Asia.

mother

- Although adolescents aged 10-19 years account for 11% of all births worldwide. they account for 23% of the overall burden of disease (disability- adjusted life years) due to pregnancy and childbirth.
- Fourteen percent of all unsafe abortions in low- and middle-income countries are among women aged 15-19 years. About 2.5 million adolescents have unsafe abortions every year, and adolescents are more seriously affected by complications than are older women.
- ____ In Latin America, the risk of maternal death is four times higher among adolescents younger than 16 years than among women in their twenties.
- Many health problems are particularly associated with negative outcomes of pregnancy during adolescence. These include anaemia, malaria, HIV and other sexually transmitted infections, postpartum haemorrhage and mental disorders, such as depression
- Up to 65% of women with obstetric fistula develop this as adolescents, with dire consequences for their lives, physically and socially

Adolescent pregnancy is dangerous for the child

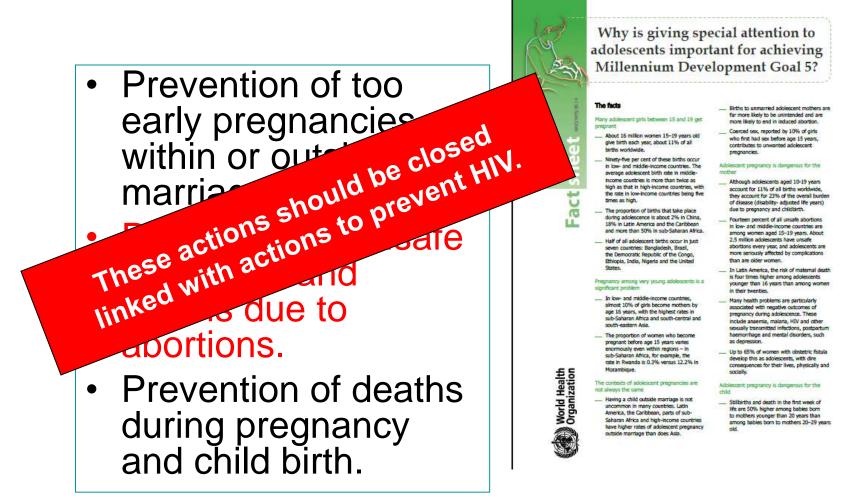
____ Stillbirths and death in the first week of life are 50% higher among bables born to mothers younger than 20 years than among bables born to mothers 20-29 years

Reducing maternal mortality in adolescents: Actions needed at three levels.

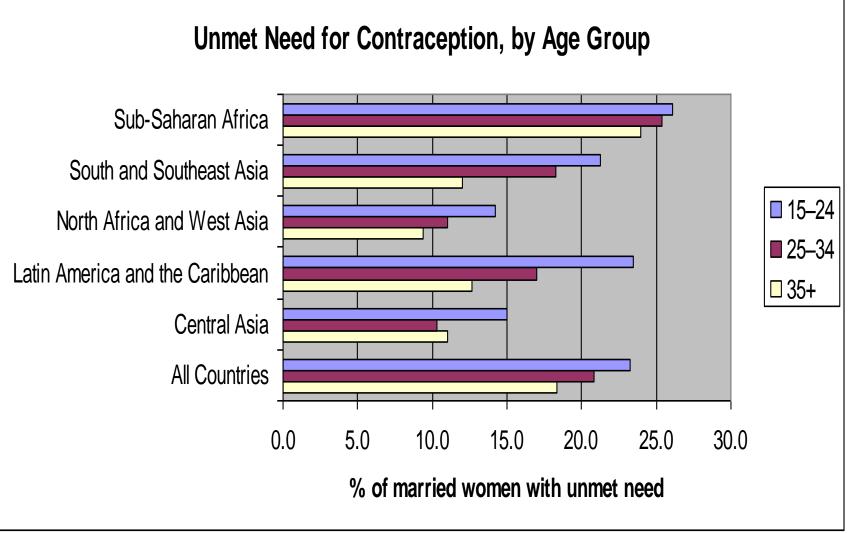
- Prevention of too early pregnancies – within or outside marriage.
- Prevention of unsafe abortions, and deaths due to abortions.
- Prevention of deaths during pregnancy and child birth.



Reducing infant & maternal mortality in adolescents: Actions needed at three levels.



Contraceptive use in adolescents



Source: Demographic & Health Surveys,2008

Use of maternal health care by adolescents – 1/2

- Use of antenatal care (ANC)
 - A systematic review of maternal health care use
 - Women under 20 years are less likely to receive ANC during the first trimester (high quality studies from Jamaica, Brazil, South Africa, India/Kerala, Ecuador)¹
 - In the Philippines, only 29% of mothers below18 received ANC, compared to 81% of mothers aged 20-30²
- Use of facility-based delivery
 - Significant age differences in favour of older women (high quality studies from India, Morocco, Guatemala)¹

Use of maternal health care by adolescents – 2/2

- Use of skilled delivery assistance
 - No age-difference appears to exist (high quality studies from Bangladesh, India, Nepal)¹
 - Higher education (both woman's and her partner's), problems during delivery, living standards, and women's autonomy are more significant in influencing the receipt of assistance from a skilled health worker during delivery
 - In an older review, mothers below the age of 19 were significantly less likely than mothers aged 19-23 to receive skilled childbirth care in 7 of 15 countries²

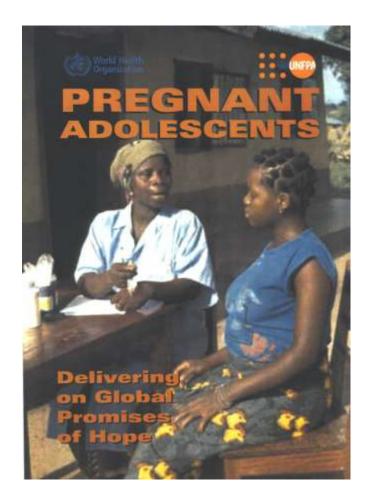
Within a multifaceted approach, we need to ensure that every adolescent is able to obtain the health information & services she needs.



- We need to ensure that contraceptive services, antenatal services and skilled care at delivery are widely available.
- We need to ensure that these services are accessible to adolescents.
- We need to ensure that health care providers who provide these services are trained and support to respond to adolescents competently & with sensitivity.

" For too long, when an adolescent becomes pregnant, we have pointed the finger at her. It is time that we pointed the finger at ourselves. If a girl gets pregnant that is because we have not provided her with the information, education, training and support she needs to prevent herself becoming pregnant."

Pramilla Senanayake, Former assistance Director International Planned Parenthood Federation.



Assignment

- Is adolescent pregnancy a public health priority in your country?
- Please support your answer with 3 facts.

Assignment Story:

• Please hear the story

WHO | Teenage pregnancies cause many health, social problems - Listen to this episode

- Based on the story, please respond to the following:
 - What are the three main factors that contributed to this?
 - What can be done by families and communities to prevent this happening to other girls?
 - What can the Ministry of Health do to reorient the health care system to meet the needs of girls such as the one who story you have heard?