Beyond the Technology for Sex Selection

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"GENDERCIDE"

1985 book by Mary Anne Warner

100 MILLION "MISSING WOMEN"

Nobel Laureate economist Amartya Sen introduced the concept of "missing women" in the early 1990's.

The toll reached 100 million missing women in 2000. The majority were in China, about 44 million were in India, and the rest were from nations across the world such as Taiwan, Singapore, the Western Balkans, the Caucuses, and the United States.

The Numbers

100 Million Missing Women

Boys	Girls	
•	100	normal ratio
124	100	2005 China census
140	100	some provinces (Jiangxi, Henan)
105	100	Tibet and Muslim areas of China
200	100	for a 3 rd child if no boys
		preferences rise sharply for
		2 nd and 3 rd births
32 million men		more men than women in China in 2005
40 million men		more men than women in China in 2020
40 million men		more than the total combined female population of Taiwan and South Korea
40 million men		equivalent to the entire population of boys and young men in the USA
Most		will not be able to marry

China: The Perfect Storm A Confluence of Factors

Biological

Natural preference for boys Increasing populations

Social

Family name continuation
Descent of property (inheritance)
Opportunities for work and education
Desire for smaller families

Economic

Males superior earning power
Assets are tangible and require maintenance
No social security or 401K
Children needed to provide for the elderly
Loss of daughter to care for husband's family is financial loss
Dowry

Political

One child policy 1970's, renewed in 2007
Male political domination
Failure to enforce the law
Adoption policies

Technology

Advent of ultrasound in 1980

Religious Values

Animism

Secular

Tacitly support male bias (Confucianism)

Fail to play an active role in discouraging gendercide

Muslim areas of China have normal ratios. The Qu'ran forbids killing one's children. Surah 17 v 31; 81 v 8-9

Dire Consequences Predicted for China

Crime

Pornography

Rape

Child brides

Homosexuality

War

Civil unrest

Extinction of family lines

Violence

Prostitution

Bride trafficking

Polyandry

Build the army/paramilitary

Remote public work projects

Authoritarian rule

40 million men will not be able to marry and enjoy the stabilizing encouragement of a spouse. They will not have the opportunity to assume the meaning, responsibility, and pride that comes from supporting a spouse and children.

India

In 2001, the UN estimated that 44 million girls were missing in India.

In 2006, the AP reported research that 7,000 fewer girls than expected are born each in day in India.

Like China, India has laws against prenatal sex determination and selection (PNDT) since 1996.

Like China, some of the most extreme ratios of male to female births are found in some of the most prosperous provinces (Maharashtr, Puujab, Gujarat)

Like China, the preference for males seems to cross religious, caste, and socio-economic boundaries.

INDIA

Unlike China, India has no One Child Policy but since wealthier families are trending to have smaller families, they may feelmore pressure to have malesthan those with larger families.

Unlike China, dowries are more deeply embedded in the culture. "Having a daughter is like watering another man's garden."

USA

No restrictions on sex selection.

The birth ratio in the USA is roughly normal among the general population.

The birth ratios of ethnic subpopulations of Americans such as Chinese, Filipino, and Japanese are skewed toward males.

US fertility clinics heavily advertise "family balancing", a euphemism for sex selection by Preimplantation Genetic Determination (PGD).

US has become a major "sex selection tourism" destination for people from all over the world who wish to select the sex of their child.

Why do China and India, who each have laws against sex selection, have such skewed ratios compared to the USA which has no laws prohibiting sex selections and readily available technology?

LAW

<u>India</u>

Prenatal Diagnostic Techniques (Regulation and Prevention of Misuse) Act (PNDT) made prenatal sex determination and selection illegal. It went into effect in 1996.

China

One Child Policy (1979, renewed in 2006)

Marriage Law – forbids infanticide

Women's protection Law – protects women who keep daughters

Maternal Health Care Law – limits ultrasound results

Britain

Law prohibits the use of PGD for anything but genetic disease

Sweden

Affirmed freedom of sex selection in 2009

<u>USA</u>

Does not restrict sex selection

It can be very difficult to prove that sex selection was the reason for the abortion.

Methods for Sex Selection

Pre Implantation

Positions

Timing (Shettles)

Diets, douches (PH)

Pills, supplements

Sperm sorting (flow cytometry, Microsort)

Post Implantation

Ultrasound

Amniocentesis

Fetal blood (from 6th week)

Chorionic villus sampling (tissue)

Post birth

Infanticide (abandonment, exposure, malnutrition, smothering, drowning, poisoning)

Sex selective adoption

Ethical and Psychological Issues

Social justice

Value and dignity of every person

Gender bias and discrimination

Eugenics

Procreative liberty

Individual vs best interest of society

Access and allocation of medical resources and results

Discarding embryos

Centrality of Human relationships

Couples relationships

Children's well being

Parent-child relationships

Trust and power in family relationships

Solutions

Complex problems require complex solutions.

Laws regulation sex selection in China and India have had only a modest effect. Perhaps stronger enforcement would make a difference.

Repealing the One Child Policy might help but India struggles with sex selection despite no similar law.

Regulation of fertility clinics such as the Human Fertilisation and Embryology Authority (HFGA) in Britain could stop PGD and the USA's commerce as a "sex selection tourism" destination.

Religion

Religion seems to have had little effect. A stronger voice by religion emphasizing the value and dignity of every person and clear ethical teaching on the practice of sex selection would help.

Economics

More educational and work opportunities for women would increase women's earning power, status, and perceived worth.

Stronger economies provide more security for families and confidence they can care for themselves in the future.

Political

Involve more women in the political process. Improve adoption laws and opportunities. Regulate the use of technology for gender selection. Protect women at every level.

Social

Recognize the value of women
Value women's roles and work
Recognize women's inheritance rights
(proposed Hindu Succession Act)

Educate women Eliminate dowries Change tradition

Technology

Limit technology's use in sex selection Sex selection utilizes low tech methods as well as high tech. It is not the only factor in limiting sex selection.

Beyond the Technology of Sex Selection

100 million missing women is a huge tragedy and a complex international problem.

Limiting technology such as PGD and ultrasounds to be used for the purpose of sex selection is an important but modest step.

The larger problems that cannot be neglected are the religious, social, economic, and political traditions that will perpetuate the loss of women.

Hearts and values must change not just laws about technology.

The Exception

South Korea

Is heading toward normality after years of a skewed ratio.

Did not change deliberately.

Female education

Antidiscrimination suits

Equal rights rulings

made son preference seem old fashioned and unnecessary

Modernization

Prosperity

Alternative Views

J Appel suggests paying parents to have girls (or tax boys).

Robert Sparrow in the lead article of the July American Journal of Bioethics makes the case that since we now have the technological ability to select the sex of our children we should abandon dimorphism (two sexes) and insure that all our children be female.

But these are discussions for another day