

# WHO's Evidence-Based Guidelines for Family Planning

Sarah Johnson

**TRAINING  
IN RESEARCH IN  
REPRODUCTIVE HEALTH  
2005**



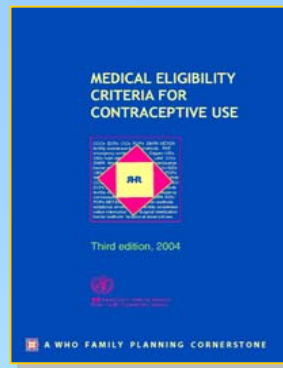
# What option would you prefer?

## Faith Versus Facts



# The Four Cornerstones of evidence-based guidance

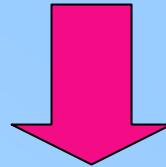
## *Medical Eligibility Criteria for Contraceptive Use*



## *Selected Practice Recommendations for Contraceptive Use*



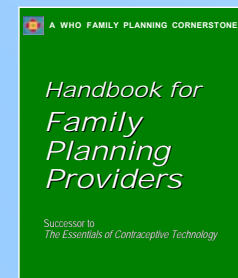
Guidelines for policy-makers and programme managers



Tools for health-care providers



## *Decision-Making Tool for Family Planning Clients and Providers*



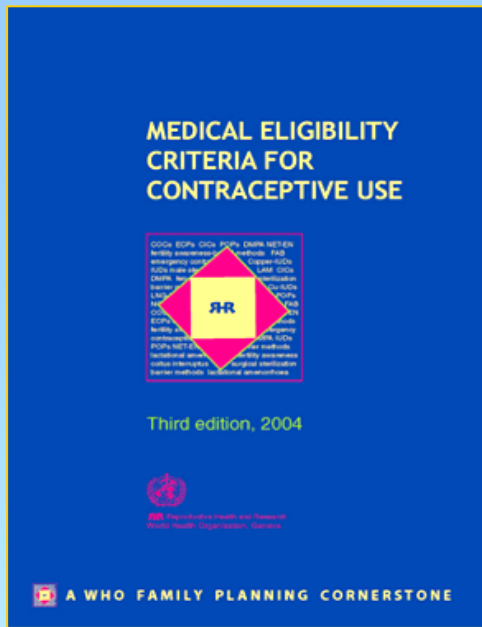
## *Handbook for Family Planning Providers*

# Why are the Four Cornerstones needed?

- To base family planning practices on the best available evidence
- To set global standards of care
- To improve quality of care



# The Evidence-Based Guidelines



*Who can use  
contraceptive  
methods*

*How to use  
contraceptive  
methods*



# The WHO Guidance on FP

- Based on Evidence
- Developed Through Consensus
- Updated Continuously



# Guidance based on evidence

- Adherence to WHO 'Guidelines for Guidelines'
- Systematic reviews of evidence
- Citations of evidence used for decision-making



# Guidance based on evidence and kept up-to-date

**Monitoring all  
new evidence**

**CIRE**

**Systematic review  
on selected issues**

**Expert  
Working Groups**



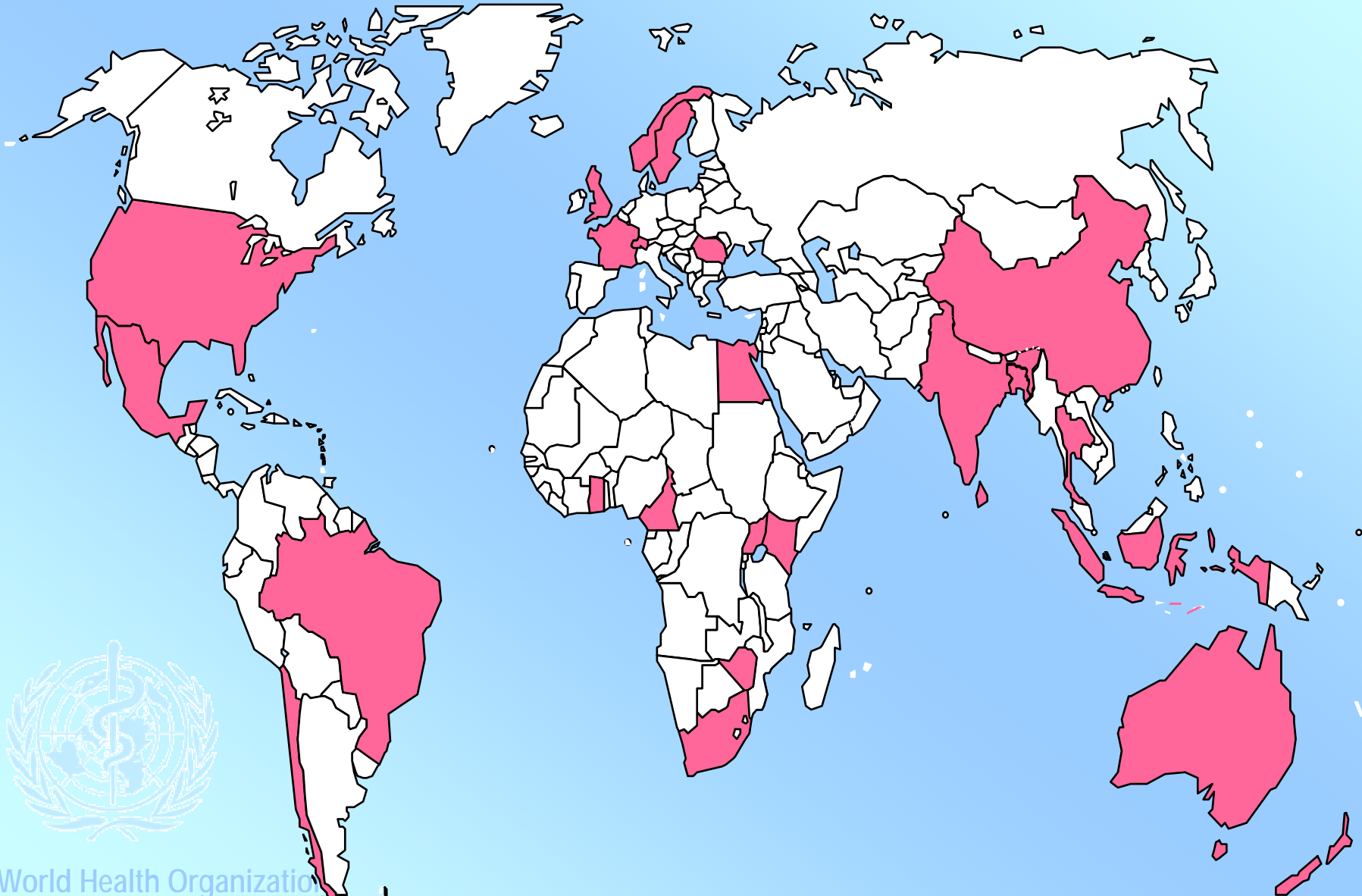


# Guidance developed through consensus

## *Expert Working Group meetings:*

- Country experts
- Representatives of:
  - UNFPA
  - World Bank
  - IPPF
  - USAID
  - CDC
  - NICHD
  - Engender Health
  - FHI
  - JHU/CCP
  - JHPIEGO
  - IntraHealth
  - Georgetown University Medical Center
  - Management Sciences for Health

# Country experts





Government to address persistent need for  
improvement of quality of management  
education in Indonesia, including a study  
conducted by  
Association of MBAs (AMBA)

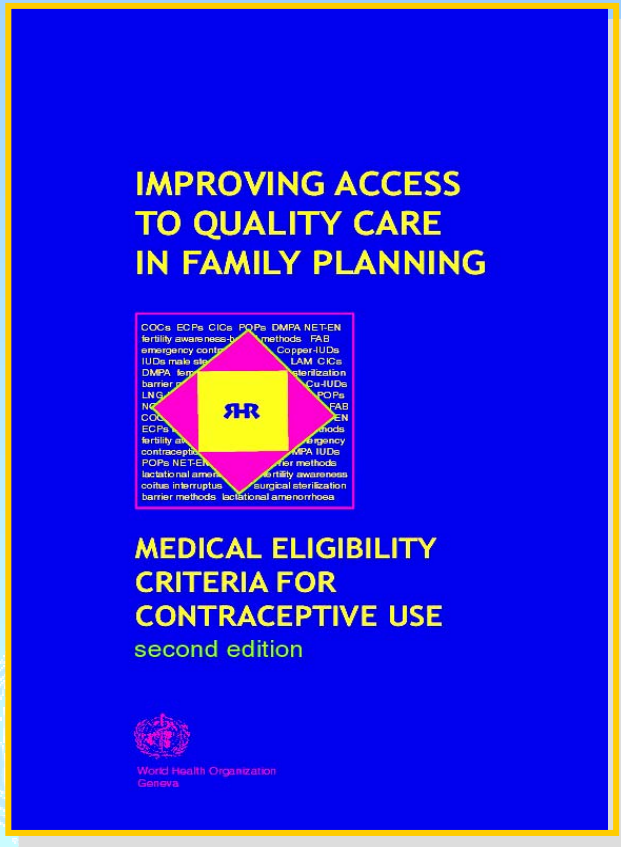
# On-going Monitoring and Updating



- 1996: First publication of Medical Eligibility Criteria for Contraceptive Use
- 2nd edition published 2000
- 3rd edition in print
- Continuous improvement in methodology



# Medical Eligibility Criteria for Contraceptive Use



- Addresses large gap in family planning guidance for women with medical problems or other special conditions
- Gives over 1700 recommendations on *who* can use contraceptive methods

# Condition Classification Categories

- 1.** No restriction for the use of the contraceptive method
- 2.** The advantages of using the method generally outweigh the theoretical or proven risks
- 3.** The theoretical or proven risks usually outweigh the advantages of using the method
- 4.** An unacceptable health risk if the contraceptive method is used



# Simplified Classification of Conditions

Classification	With Clinical Judgement	With Limited Clinical Judgement
1	Use method in any circumstance	Yes
2	Generally use the method	Yes
3	Use of the method not usually recommended unless other more appropriate methods are not available or not acceptable	No
4	Method not to be used	No

# Methods of contraception

- |                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Combined oral contraceptives</li><li>• Combined hormonal contraceptives (1 month injectables, patch, vaginal ring)</li><li>• Progestogen-only contraceptives (pills, implants, 2-3 month injectables)</li><li>• Emergency contraceptive pills</li><li>• IUDs (copper bearing and levonorgestrel)</li></ul> | <ul style="list-style-type: none"><li>• Emergency IUD</li><li>• Barrier methods (condoms, spermicides &amp; diaphragm)</li><li>• Fertility awareness-based methods</li><li>• Lactational amenorrhoea (LAM)</li><li>• Coitus Interruptus</li><li>• Sterilization (male and female)</li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|





# Identification of conditions

Conditions represent either:

- an individual's characteristics (e.g. age, parity, breastfeeding), or
- a known pre-existing medical condition (e.g. hypertension, STI, diabetes)



# Medical Eligibility Criteria

## Example table: Smoking and Contraceptive Use

<i>CONDITION</i>	<i>COC</i>	<i>CIC</i>	<i>P/R</i>	<i>POP</i>	<i>NET-EN DMPA</i>	<i>LNG/ETG Implants</i>	<i>Cu-IUD</i>	<i>LNG-IUD</i>
<b>SMOKING</b>								
a) Age<35	2	2	2	1	1	1	1	1
b) Age <sub>≥</sub> 35								
(i) <15 cigarettes/day	3	2	3	1	1	1	1	1
(ii) <sub>≥</sub> 15 cigarettes/day	4	3	4	1	1	1	1	1



# Medical Eligibility Criteria

## Summary tables 2004: STIs and IUD Summary

CONDITION	Cu-IUD		LNG-IUD	
	I	C	I	C
<b>STIs</b>				
a) Current purulent cervicitis or chlamydial infection or gonorrhoea	4	2*	4	2*
b) Other STIs (excluding HIV and hepatitis)	2	2	2	2
c) Vaginitis (including trichomonas vaginalis and bacterial vaginosis)	2	2	2	2
d) Increased risk of STIs	2/3**	2	2/3**	2

### Clarifications:

\* Treat the STI using appropriate antibiotics. There is usually no need for removal of the IUD if the client wishes to continue its use.

\*\*Very high individual likelihood of exposure to gonorrhoea and chlamydia.

# Case scenario 1

**An 36 year old woman with three children comes to the health centre requesting oral contraceptives. She tells you she smokes 10 cigarettes per day.**

**A) Are oral contraceptives medically appropriate for her?**

**B) Does she have any other highly effective temporary contraceptive options?**



# Case scenario 1: the answer

**A) Oral contraceptives are usually not appropriate for women who smoke over 35 unless other methods are not available or acceptable.**

**Women over 35 who smoke more than 15 cigarettes per day or more should not use combined oral contraceptives.**

**B) This client is medically eligible to use combined injectables, progestogen-only contraceptives, and IUDs.**



# Case Scenario 2

**A 25 year old woman has just given birth and plans to breastfeed. She would like an injection for contraception prior to returning home.**

**Which of the following options is medically appropriate?**

- A) A combined injectable contraceptive provided immediately**
- B) A combined injectable contraceptive provided at six weeks postpartum**
- C) A progestogen-only injectable contraceptive provided immediately**
- D) A progestogen-only injectable contraceptive provided at 6 weeks postpartum**

# Case scenario 2: the answer

**D) A progestogen-only injectable contraceptive provided at 6 weeks postpartum.**

## Comment

- Combined injectables are not medically appropriate in breastfeeding women prior to 6 weeks postpartum, and generally should not be used until after 6 months postpartum.
- Progestogen-only injectables are medically appropriate in breastfeeding women at 6 weeks postpartum.
- Neonate may be at risk of exposure to steroid hormones during the first six weeks postpartum.



# Global impact of the Medical Eligibility Criteria

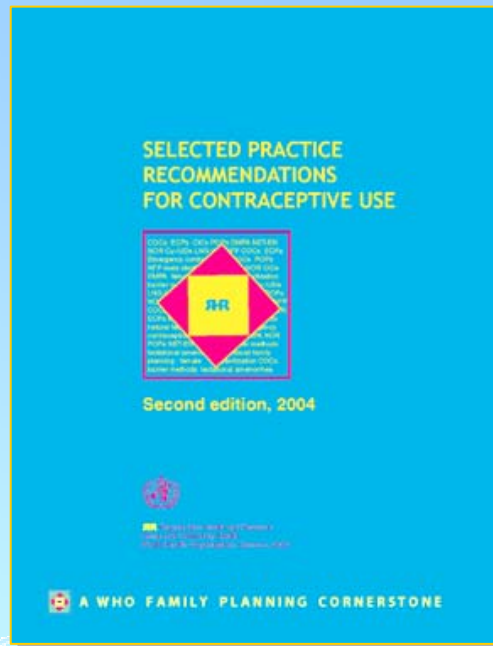


- Translated into 8 languages
- Impact on guidelines in over 50 countries
- Integrated into popular texts





# Selected Practice Recommendations for Contraceptive Use



- **2002:** First publication of *Selected Practice Recommendations for Contraceptive Use*
- **2005:** 2nd Edition in print
- **33 selected questions on how to use contraceptive methods**



# Topics for the Questions

- Initiation/Continuation of methods
  - When to start?
  - When to readminister?
- Incorrect use - missed pills
- Problems during use
  - Vomiting and or diarrhoea
  - Menstrual abnormalities (progestogen-only methods and IUDs)
  - Pelvic inflammatory disease
  - Pregnancy
- Programmatic Issues:
  - What exams or tests should be done routinely
  - Follow-up
  - How to be reasonably sure a woman is not pregnant

# Selected Practice Recommendations

For each question:

- Working Group's recommendations for key situations
- Comments by the Working Group
- Key unresolved issues
- Information about the evidence
  - Literature search question
  - Level of evidence
  - References identified by systematic review



# Example: When can a woman start COCs?

## *Having menstrual cycles*

- She can start COCs within 5 days after the start of her menstrual bleeding. No additional contraceptive protection is needed.
- She can also start COCs at any other time, if it is reasonably certain that she is not pregnant. If it has been more than 5 days since menstrual bleeding started, she will need to abstain from sex or use additional contraceptive protection for the next 7 days.



# When can a woman start COCs?

## Working Group comments:

- Risk of ovulation within the first 5 days of the cycle is low.
- Suppression of ovulation was less reliable when starting COCs after day 5.
- 7 days of continuous COC use was necessary to reliably prevent ovulation.



# When can a woman start COCs?

## Key unresolved issues

- Does starting each pill pack on a specific day of the week increase correct COC use?

## Evidence

- Level II-1
- Indirect



# Routine exams or tests

**Class A** = essential and mandatory in all circumstances for safe and effective use of the method

**Class B** = contributes substantially to safe and effective use, but implementation may be considered within the public health and/or service context.

**Class C** = does not contribute substantially to safe and effective use of the method



# Routine exams or tests

Exam or screening	Hormonal methods	IUD	Condoms / Spermicide	Female sterilization
Breast exam	C	C	C	C
Pelvic exam	C	A	C	A
Cervical cancer	C	C	C	C
Routine lab tests	C	C	C	C
Haemoglobin	C	B	C	B
STI risk assessment	C	A	C	C
STI screening	C	B	C	C
Blood pressure	**	C	C	A

**Class A: essential and mandatory in all circumstances**

**Class B: contributes substantially to safe and effective use**

**Class C: does not contribute substantially to safe and effective use**



# How to be reasonably sure a woman is not pregnant

**No signs and symptoms of pregnancy AND Meets any of the following criteria:**

- No intercourse since last normal menses
- Correctly and consistently using reliable method of contraception
- Within the first 7 days after normal menses
- Within 4 weeks postpartum for non-lactating women
- Within 7 days post-abortion or post-miscarriage
- Fully or nearly fully breastfeeding, amenorrhoeic, and less than 6 months postpartum



# Case Scenario 1

**A woman comes to the clinic requesting combined oral contraceptives on day 7 of her menstrual cycle. She has not had sexual intercourse since the first day of her menstrual period.**

**Which of the following is medically appropriate?**

- A) advise her to return to clinic on the first day of her next menstrual period.**
- B) provide her with pills and tell her that she can start now without any further precautions.**
- C) provide her with pills and tell her that she can start now ,but should abstain from sex or use additional contraceptive protection for the next 7 days.**



# Case Scenario 1: the answer

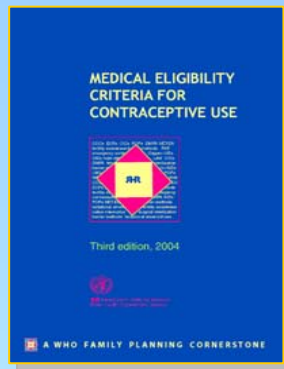
- C) provide her with pills and tell her that she can start now ,but should abstain from sex or use additional contraceptive protection for the next 7 days.

**Suppression of ovulation was considered to be less reliable when starting after day 5 or during amenorrhoea, seven days of continuous COC use was deemed necessary to reliably prevent ovulation.**



# Keeping the guidance up-to-date

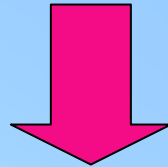
## *Medical Eligibility Criteria for Contraceptive Use*



## *Selected Practice Recommendations for Contraceptive Use*



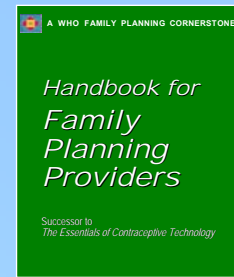
Guidelines for policy-makers and programme managers



Tools for health-care providers



## *Decision-Making Tool for Family Planning Clients and Providers*



## *Handbook for Family Planning Providers*

System for keeping the guidance up-to-date



File Edit View Favorites Tools Help

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# CIRE

CONTINUOUS IDENTIFICATION OF RESEARCH EVIDENCE

## NEW EVIDENCE FOR CONTRACEPTIVE USE

FOR THE WORLD HEALTH ORGANIZATION MEDICAL ELIGIBILITY CRITERIA (MEC) AND SELECTED PRACTICE RECOMMENDATIONS (SPR)

**Welcome to CIRE - the Continuous Identification of Research Evidence** - a collaborative effort of the World Health Organization ([WHO](#)), the Centers for Disease Control and Prevention ([CDC](#)), and the Johns Hopkins Bloomberg School of Public Health's Center for Communication Programs ([CCP](#)).

To ensure that its evidence-based family planning guidance remains current, the WHO collaborates on the CIRE system with the WHO Collaborating Centre in Reproductive Health at the CDC and the INFO Project at CCP. The system is supported by the United States Agency for International Development ([USAID](#)) and the National Institute of Child Health & Human Development ([NICHD](#)).

The CIRE system facilitates the updating of WHO's evidence-based family planning guidance. The system identifies articles whose study objectives concern a topic addressed by WHO's Medical Eligibility Criteria for Contraceptive Use ([MEC](#)) or the Selected Practice Recommendations for Contraceptive Use ([SPR](#)). Identification begins with screening of new articles entered into the [POPLINE database](#) since January 2002. These articles are then reviewed to determine whether the evidence they provide is relevant to WHO guidance. Any updates to current guidance based on evidence from the CIRE system will be noted on the electronic versions of the MEC or SPR. Changes to classifications of the MEC or recommendations in the SPR will ordinarily be made only following expert working group meetings.

The new articles that have been identified to date are accessible by searching the CIRE system and are also available through a regular email bulletin.

- [Send this email to receive regular CIRE system postings from the email bulletin](#)

WHO's on-line versions of the [MEC](#) and the [SPR](#) also feature the availability of new articles identified by the CIRE system. In addition, new postings to the CIRE system will be featured in CCP's weekly e-zine, [The Pop Reporter](#). You may visit [POPLINE](#) for more information on obtaining full-text articles from CCP or view the [WHO Family Planning Page](#) for more information about family planning guidance.

## SEARCH EVIDENCE

### Medical Eligibility Criteria (MEC):

Choose a Method  AND/OR Choose a Condition

Start UN... ea... Mic... CIR... RE... RE... Ex... Mic... Internet 15:33

# Implementation of system for Keeping the Guidance Up-to-date

## *Key Elements:*

- Identification of potentially relevant new evidence, as it becomes available
- Critical appraisal of relevant new evidence
- Evaluation of impact of new evidence on guidance
- Preparation of systematic reviews





## Family Planning

### Family planning

[Safety & effectiveness](#)  
[New & improved methods](#)  
[Service delivery](#)

### Resources

[Family planning materials](#)  
[Other reproductive health resources](#)

### Unmet needs

There are still some 123 million women around the world, mostly in developing countries, who are not using contraception in spite of an expressed desire to space or limit the numbers of their births.<sup>1</sup>

An estimated 38% of all pregnancies occurring around the world every year are unintended, and around 6 out of 10 such unplanned pregnancies result in an induced abortion.<sup>2</sup>

A woman's ability to space or limit the number of her pregnancies has a direct impact on her health and well-being as well as the outcome of her pregnancy. In enabling women to exercise their reproductive rights, family planning programmes can also improve the social and economic circumstances of women and their families.

### WHO's role in promoting FP

The reasons why family planning needs are often not met are varied, but include: poor access to quality services, a limited choice of methods, lack of information, concerns about safety or side-effects and partner disapproval.

WHO is currently addressing some of these needs in working to help

- [improve the safety and effectiveness of contraceptives methods;](#)
- [widen the range of family planning methods available to women and men;](#)
- [improve the quality of family planning service delivery.](#)



### Evidence-based guidance



**The Medical Eligibility Criteria** for Contraceptive Use

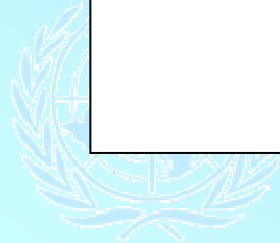
**Selected Practice Recommendations** for Contraceptive Use

**The CIRE System** to ensure that family planning guidance remains current.

**Guidance updates**

# DMPA and bone mineral density

- **Loss of bone mineral density has been a concern for younger and older women**
- **2 new long-term studies by Pfizer, on older women and adolescents**
- **Statements issued by the US Food and Drug Administration (FDA) and the UK Committee on Safety of Medicines (CSM) in November 2004**





# DMPA and bone mineral density

## US FDA Statement

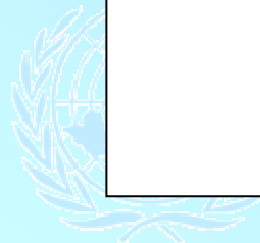
- **DMPA should only be used as a long-term method (longer than 2 years) only if other methods are inadequate**
- **DMPA can pose additional risk in women with risk factors for osteoporosis**



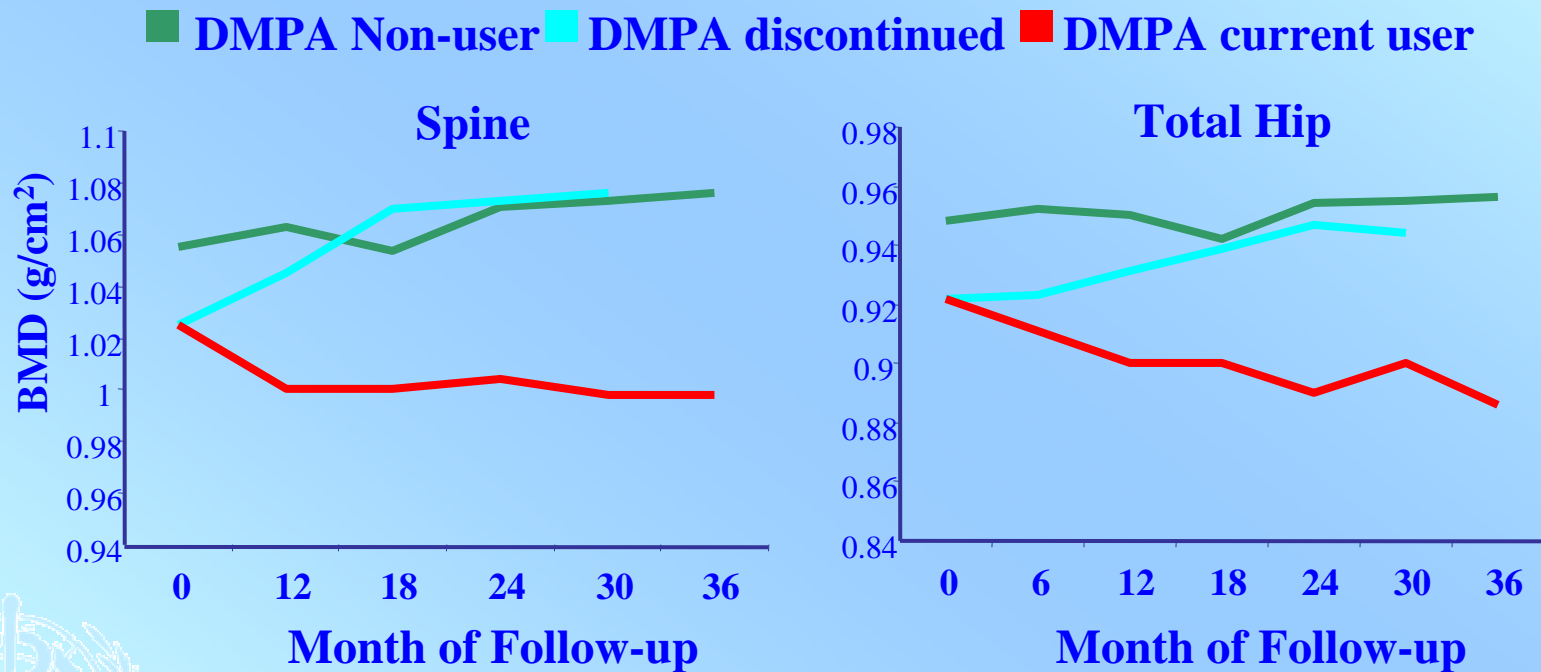
# DMPA and bone mineral density

## UK CSM Statement

- **Adolescents may use DMPA only if other methods are considered unsuitable or unacceptable**
- **Careful re-evaluation of risks and benefits should be assessed for women of all ages who wish to continue DMPA for more than 2 years**
- **Women with risk factors for osteoporosis should consider other methods of contraception**



# Changes in bone mineral density among 182 DMPA users and 258 non-users, 18-39 years old



*Source: Scholes et al, 2002*

# DMPA and bone mineral density

- **WHO current recommendations**
  - Age <18 years - category 2
  - Age 18-45 years - category 1
  - Age >45 years - category 2
- **WHO's response:**
  - Systematic review updated and reviewed by the Guidelines Steering Group
  - No consensus yet on how the new evidence would change current recommendations
  - Interim statement to be posted on the web
  - Technical consultation planned for June 2005 with researchers and bone health experts



# Hormonal methods and STIs

- **Morrison et al. study comparing the risk of STIs among users of DMPA, COCs and non-hormonal methods**
- **COC users: no statistically significant increased risk of acquiring chlamydia or gonorrhoea**
- **DMPA users: a 3.6-fold increased risk of chlamydia or gonorrhoea**



# Hormonal methods and STIs

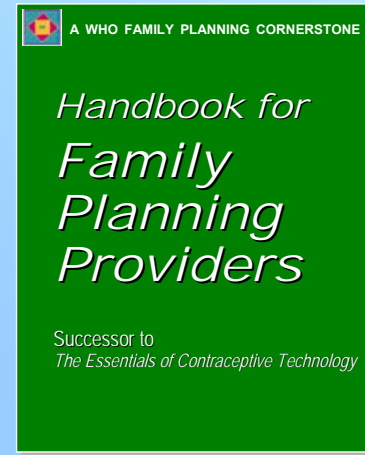
- **WHO current recommendation for DMPA and COCs**  
**Women at high risk for STIs → Category 1**
- **WHO's response:**
  - **Systematic review updated and reviewed by the Guidelines Steering Group**
  - **Concluded that there is no need for a change in the current WHO recommendation**
  - **Further research is needed**



# Tools for health care providers



***Decision-Making Tool  
for Family Planning  
Clients and Providers***



***Handbook for  
Family Planning  
Providers***



# Decision-making Tool: A multi-purpose tool

- Decision-making tool
- Problem-solving tool
- Job-aid
- Reference guide
- Training tool





# Decision-making Tool for Family Planning Clients and Providers

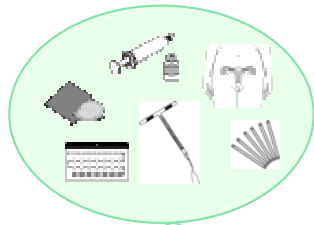


- A tool for primary and secondary level FP providers and their clients
- Facilitates the interaction between the client and the provider
- Promotes informed choice of a contraceptive method
- Adaptable to local contexts



# Best Practices in Client-Provider Interaction

## Do you have a method in mind?



**If you do, let's talk about how well it suits your needs**

- What have you heard about it?
- What do you like about it?

**If not, we can find a method right for you**

***Important for choosing a method:***

*Do you need protection from pregnancy **AND** sexually transmitted infections?*



# Evidence-Based Technical Information

## If you miss pills

### ALWAYS:



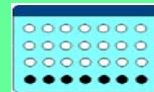
4 If you miss 2 or more pills, or start pack 2 or more days late, you ALSO need to:

**USE BACK-UP:**  
Avoid sex or use condoms for 7 days



AND

**SKIP WEEK 4:**  
(inactive pills or pill-free week)  
and go straight to next pack



Inactive Pills

**Special rule for Inactive Pills**  
(28 day packs only!)



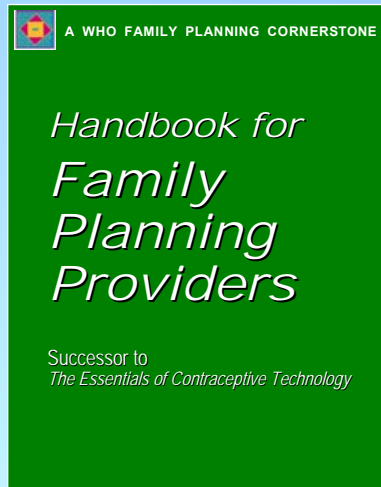
Inactive Pills

**THROW AWAY**  
pills that were missed,  
and keep taking pills as usual



# NEW – UNDER DEVELOPMENT!

## Handbook for Family Planning Providers



- Successor to ‘The Essentials of Contraceptive Technology’ (JHU/CCP)
- To be published in 2005
- To contain all WHO FP guidance



# The Handbook for Family Planning Providers



# The Handbook for Family Planning Providers

A product being developed through collaboration with key IBP partners, including:

- WHO/RHR
- JHU/CCP
- UNFPA
- IPPF
- USAID
- MSH
- EngenderHealth
- FHI
- Population Council
- FIGO
- Alan Guttmacher Institute
- CDC
- NICHD/NIH
- IntraHealth
- JHPIEGO
- IRH Georgetown
- International Confederation of Midwives
- Pathfinder
- JSI
- URC/QAP
- RHRU
- East European Institute for Reproductive Health

**And more yet to join.....**

# How the four Cornerstones contribute to Quality of Care?

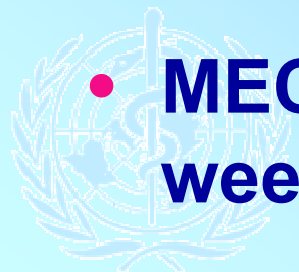
- Improve access
- Improve choice
- Improve safety
- Improve confidence of service providers and clients



# Implementation of guidelines: example

## WHO/WPRO Regional workshop to implement MEC guidance, Fiji 2000

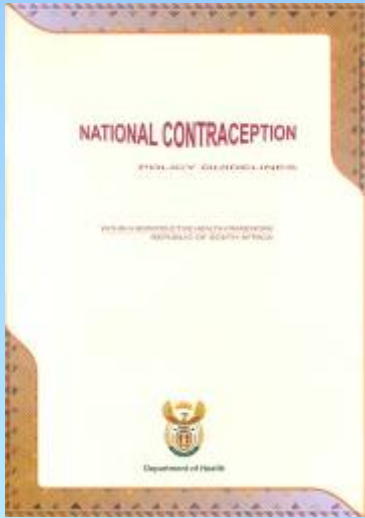
- **Example of flexibility in interpretation of guidance:  
Can women fully breastfeeding use progestogen-only contraceptives immediately post-partum?**
- **MEC Recommendation: Category 3 until 6 weeks post-partum**





# Implementation of guidelines

- Integration into national guidelines / standards



- Used in popular guides



- Used to for national training



# Materials derived from the guidelines

**FHI's QUICK REFERENCE CHART**  
for the Medical Eligibility Criteria of the WHO

to initiate the use of  
Combined Oral Contraceptives(COC), Noristerat (NET-EN), Depo-Provera (DMPA), Copper Intrauterine Devices (Cu-IUD)

		COC	NET-EN/DMPA	Cu-IUD			COC	NET-EN/DMPA	Cu-IUD
<b>Age</b>	Menarche to 39 years	Category 1	Category 1	Category 1	<b>Known hyperlipidemias</b>	Category 1	Category 1	Category 1	
	40 years or more	Category 1	Category 1	Category 1		<b>Cancers</b>	Cervical	Category 4	Category 4
	Menarche to 17 years	Category 1	Category 2	Category 1			Endometrial	Category 1	Category 1
	18 years to 45 years	Category 1	Category 2	Category 1			Ovarian	Category 1	Category 1
	More than 45 years	Category 1	Category 2	Category 1		<b>Breast disease</b>	Undiagnosed mass	Category 1	Category 1
Less than 20 years	Category 1	Category 2	Category 1	Family history of cancer	Category 1		Category 1		
20 years or more	Category 1	Category 2	Category 1	Current cancer	Category 4		Category 4		
<b>Nulliparous</b>		Category 1	Category 1	Category 1	Uterine fibroids	Category 1	Category 1	Category 1	
<b>Breast-feeding</b>	Less than 6 weeks postpartum	Category 2	Category 2	Category 2	Endometriosis	Category 1	Category 1	Category 1	
	6 weeks to 6 months postpartum	Category 2	Category 2	Category 2	Trophoblast disease	Category 1	Category 1	Category 1	
	6 months postpartum or more	Category 1	Category 1	Category 1	<b>Vaginal bleeding patterns</b>	Irregular without heavy bleeding	Category 1	Category 1	
<b>Smoking</b>	Age < 35 years	Category 1	Category 1	Category 1		Heavy or prolonged, regular and irregular	Category 1	Category 1	
	Age ≥ 35 years, < 15 cigarettes/day	Category 1	Category 1	Category 1		Unexplained bleeding	Category 1	Category 1	
	Age ≥ 35 years, ≥ 15 cigarettes/day	Category 4	Category 4	Category 4	<b>Cirrhosis</b>	Mild	Category 1	Category 1	
<b>Hypertension</b>	History of hypertension where blood pressure CANNOT be evaluated	Category 4	Category 4	Category 4		Severe	Category 4	Category 4	
	Controlled and CAN be evaluated	Category 1	Category 1	Category 1	Current symptomatic gall bladder disease	Category 1	Category 1		
	Systolic 140 - 159 or Diastolic 90 - 99	Category 1	Category 1	Category 1	<b>Cholestasis</b>	Related to the pregnancy	Category 1	Category 1	
	Systolic ≥ 160 or Diastolic ≥ 100	Category 4	Category 4	Category 4		Related to oral contraceptives	Category 1	Category 1	
<b>Headaches</b>	Non-migrainous. Mild or severe.	Category 1	Category 1	Category 1	<b>Hepatitis</b>	Active	Category 4	Category 4	
	Migraine without focal neurologic symptoms	Category 1	Category 1	Category 1		The client is a carrier	Category 1	Category 1	
	Age < 35 years	Category 1	Category 1	Category 1	<b>Liver tumors</b>	STV/PID	Category 1	Category 1	
Age ≥ 35 years	Category 1	Category 1	Category 1	Current or within the last 3 months		Category 1	Category 1		
Migraines with focal neurologic symptoms	Category 4	Category 4	Category 4	Increased risk of STI	Category 1	Category 1			
History of deep venous thrombosis	Category 4	Category 4	Category 4	<b>HIV/AIDS</b>	Iron deficiency anemia	Category 1	Category 1		
Superficial thrombophlebitis	Category 4	Category 4	Category 4		Malaria	Category 1	Category 1		
Complicated valvular heart disease	Category 4	Category 4	Category 4	Non-pelvic tuberculosis	Category 1	Category 1			
Ischemic heart disease / stroke	Category 4	Category 4	Category 4	Thyroid disease	Category 1	Category 1			
<b>Diabetes</b>	Non-vascular disease	Category 1	Category 1	Category 1	<b>Use of:</b>	Rifampicin, griseofulvin and some anticonvulsants	Category 4	Category 4	
	Vascular disease or diabetes of > 20 years	Category 4	Category 4	Category 4		Other antibiotics	Category 1	Category 1	

Category 1 ■ There are no restrictions for use.

Category 2 ■ Generally use.

Category 3 ■ Usually not recommended; clinical judgment and access to clinical services are required for use.

Category 4 ■ The method should not be used.

\*Postpartum IUD use by breast-feeding and non-breast-feeding women is Category 2 up to 48 hours postpartum, Category 3 from 48 hours to four weeks, and Category 1 four weeks and after.  
Source: Adapted from Improving Access to Quality Care in Family Planning: Medical Eligibility Criteria for Contraceptive Use. Geneva: World Health Organization, Second edition, 2000.  
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