



# Topics in Gynecology

**Dr. Fred Frank**

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A close-up photograph of a red leaf with a prominent vein structure, serving as the background for the text.

**“Support needing populations through medical assistance and the transfer of knowledge to local medical practitioners.”**

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Our vision for the  
Medical Assistance & Medical Education  
(MAME) Programs

# Presentation Overview

- Contraception
- Dysfunctional Bleeding
- Sexually transmitted infections
- Vaginitis/Vulvitis
- Malignancies
- Menopause
- Pelvic pain
- Endocrine dysfunction
- Infertility
- Sexual dysfunction
- Gender dysphoria
- Sexual assault/Domestic violence

# Contraception

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  - Depo Provera
  - Implantable

# Dysfunction Bleeding

- “Women’s health in peri-urban Burma is conceived in terms of blood... The regulation and volume of blood at menstruation and childbirth are the fundamental indicators of health and well-being.”<sup>1</sup>

<sup>1</sup> Skidmore, M., Menstrual Madness: women’s health and well-being in urban Burma (Women Health: 2002; 35(4):81-99)

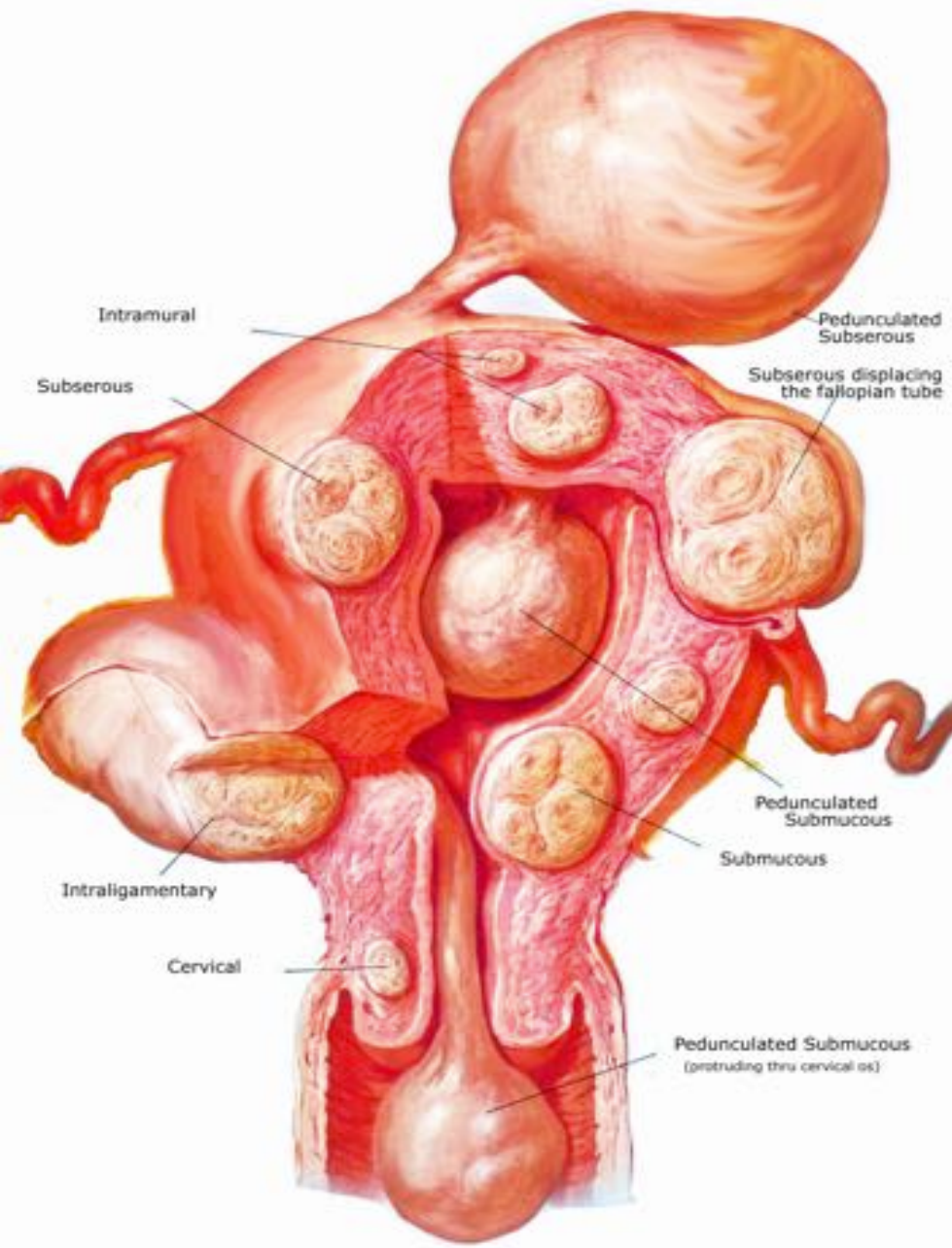
# Dysfunctional Bleeding

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- Malignancy

# Sexually Transmitted Infections

## Bacteria Vaginosis Discharge



# Sexually Transmitted Infections

- Bacterial vaginosis





# Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea





# Sexually Transmitted Infections

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- Chlamydia
- Gonorrhea
- Condyloma



# Sexually Transmitted Infections

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- Chlamydia
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- Condyloma
- Herpes



# TERTIARY SYPHILIS





# Sexually Transmitted Infections

- Bacterial vaginosis
- Chlamydia
- Gonorrhea
- Condyloma
- Herpes
- Syphilis



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# Sexually Transmitted Infections

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- Chlamydia
- Gonorrhea
- Condyloma
- Herpes
- Syphilis
- Pubic lice



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- Chancroid







# Vaginitis/Vulvitis

- Yeast



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- Lichen planus



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- Atrophy

# Vaginitis/Vulvitis

- Yeast
- Lichen sclerosis
- Lichen planus
- Atrophy
- Desquamative inflammatory vaginosis

# Malignancies

- Cervical



**Cérvix Normal**



**NIC I**



**NIC II**



**NIC III**



**NIC III**



**Ca Invasivo**

# Malignancies

- Cervical
- Vulvo-vaginal



# Malignancies

- Cervical
- Uterine





# Malignancies

- Cervical
- Uterine
- Ovarian (& Fallopian Tube)

# Malignancies

- Cervical
- Vulvo-vaginal
- Uterine
- Ovarian (& Fallopian Tube)
- Trophoblastic

# Menopause

- Symptoms
  - Hot flashes
  - Night sweats
  - Vaginal dryness
  - Mood changes
- Health risks
  - Bone loss

# Pelvic Pain

## Etiology:

- Gastro-intestinal?
- Urinary?
- Musculo-skeletal?
- Supratentorial
  
- Gynaecological?

# Pelvic Pain: Gyn Causes

- Menstrual issues

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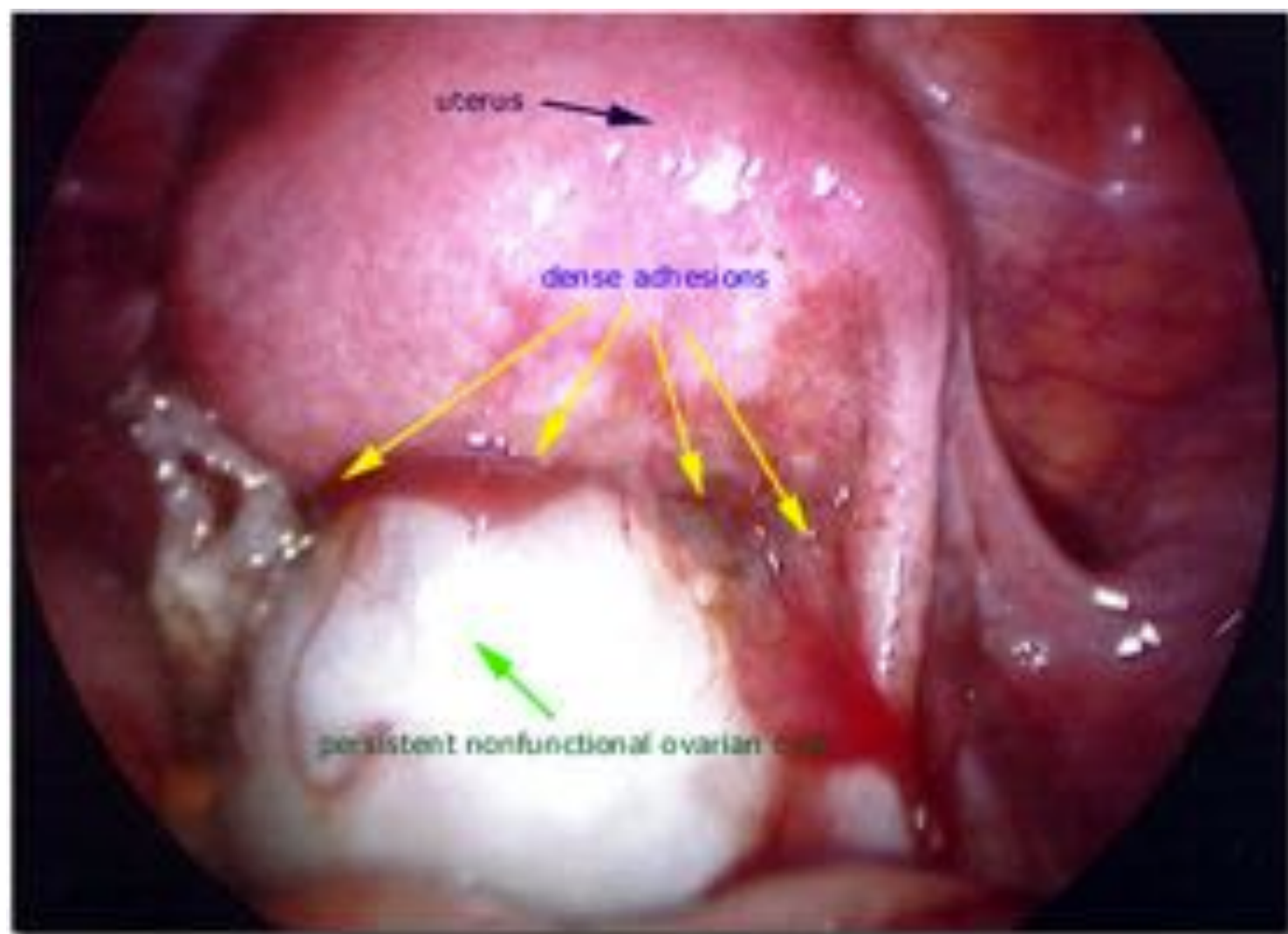




# Pelvic Pain: Gyn Causes

- Menstrual issues
- Vulvar and vaginal conditions
- Fibroids
- Ovarian Cysts
- Endometriosis





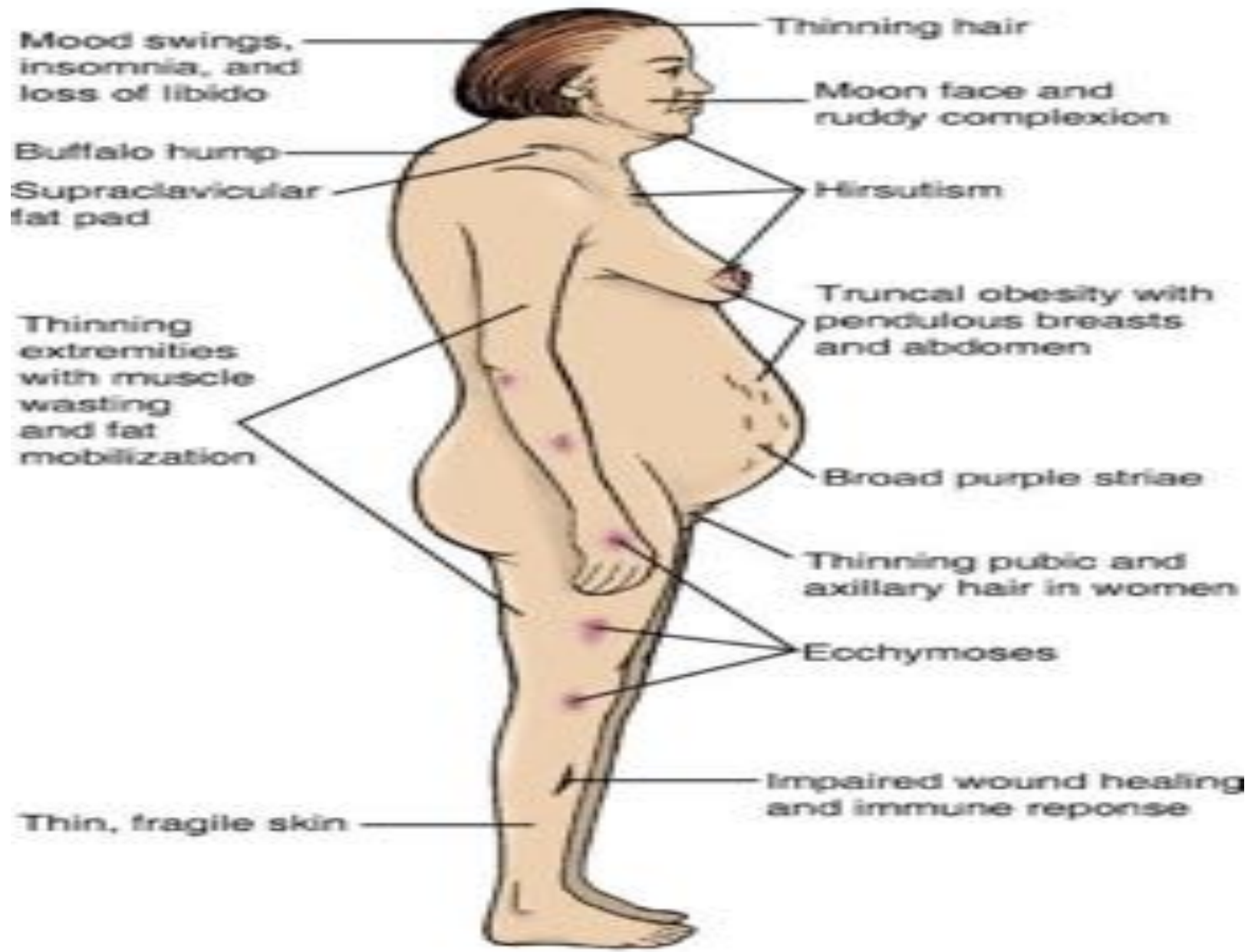
# Endocrine Conditions











From Monahan FD, Neighbors M: Medical-surgical nursing: foundations for clinical practice, ed 2. Philadelphia, 1998, Saunders, p 1286.

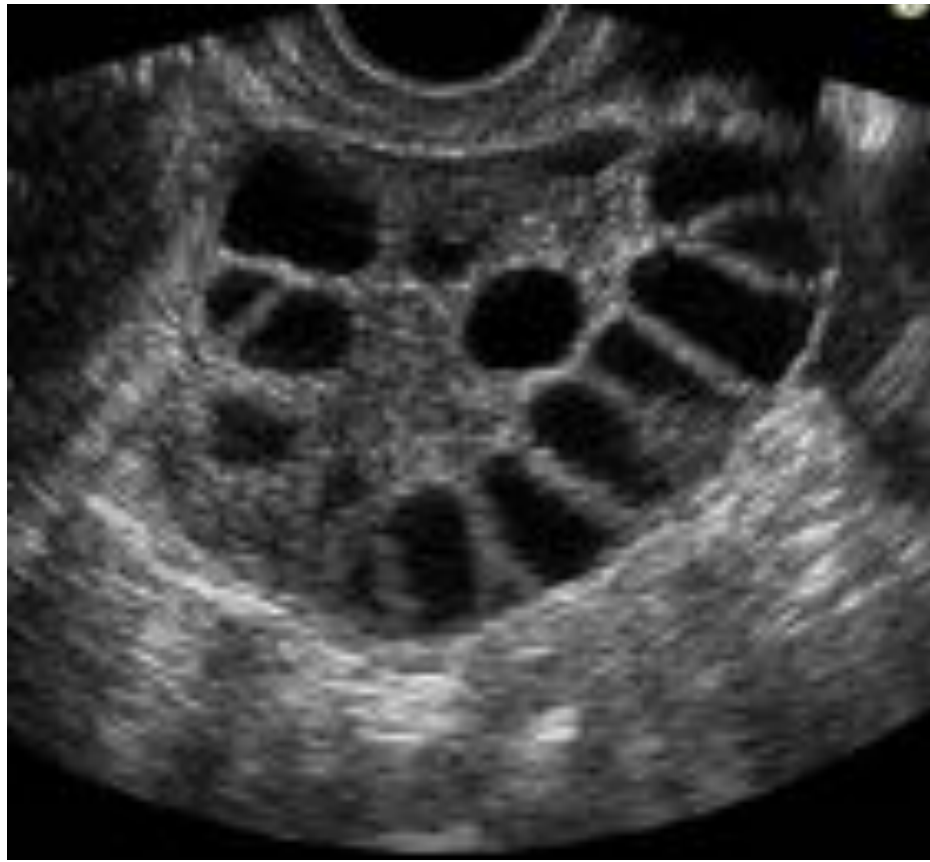




Hyperpigmentation in Addison's Disease







# PCOS

- Acne
- Weight gain and trouble losing weight
- Extra hair on the face and body
  - Often women get thicker and darker facial hair and more hair on the chest, belly, and back.
- Thinning hair on the scalp.
- Irregular periods
  - Often women with PCOS have fewer than nine periods a year. Some women have no periods. Others have very heavy bleeding.
- Fertility problems.
  - Many women who have PCOS have trouble getting pregnant (infertility).
- Depression

# Infertility

- Male
- Female



# Infertility: Female

- Anovulation

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- Tubal blockage

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- Luteal phase defects

# Infertility: Female

- Anovulation
- Tubal blockage
- Implantation issues
- Luteal phase defects
- Multiple miscarriages

# Sexual Dysfunction

- Desire

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- Desire
- Arousal

# Sexual Dysfunction

- Desire
- Arousal
- Orgasm



# Sexual Dysfunction

- Desire
- Arousal
- Orgasm
  
- Physical
  - Pain, Chronic disease, Alcoholism, Medications

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- Desire
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- Physical
  - Pain, Chronic disease, Alcoholism, Medications
- Psychological

# Gender Dysphoria

Prevalence:

1:2000 to 1%

Condition wherein a person experiences discomfort or distress because there is a mismatch between their biological sex and gender identity.







# Gender Dysphoria

- Cause?
- Signs and Symptoms:
  - Disgust at own genitalia
  - Social isolation, anxiety, depression
- Diagnosis?
- Management: support, hormones, surgery

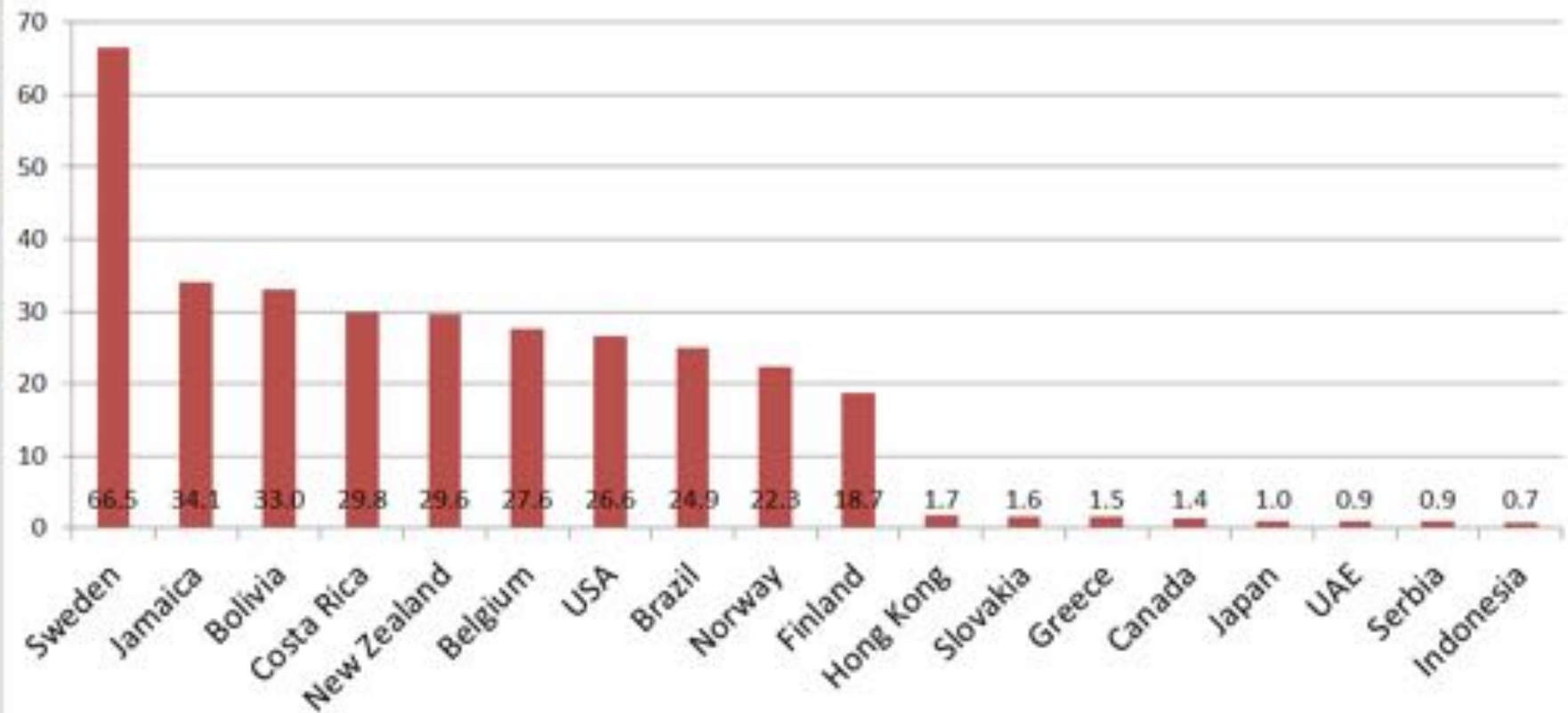






# Sexual Assault/Domestic Violence

### Rape at the national level, number of police-recorded offences (rate/100,000) - United nations (2012)



Source: United nations office on drugs and crime "CTS2013\_SexualViolence.xls"

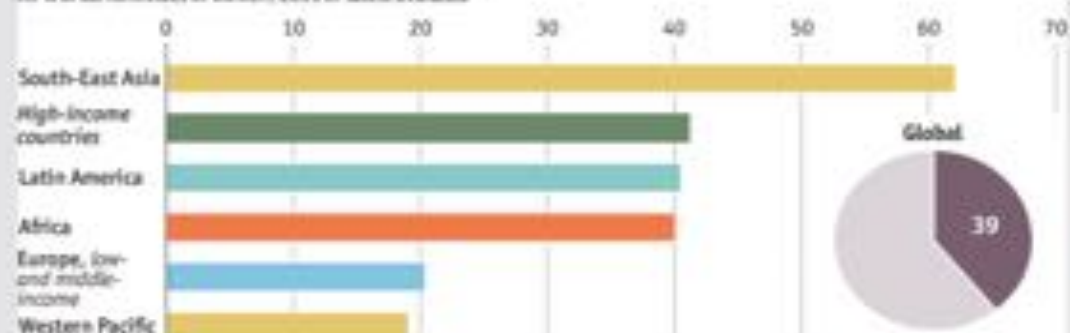
## DID YOU KNOW?

**1/3** of women *in the world* have experienced sexual, physical, emotional, or other abuse in their lifetime.

## Violence against women

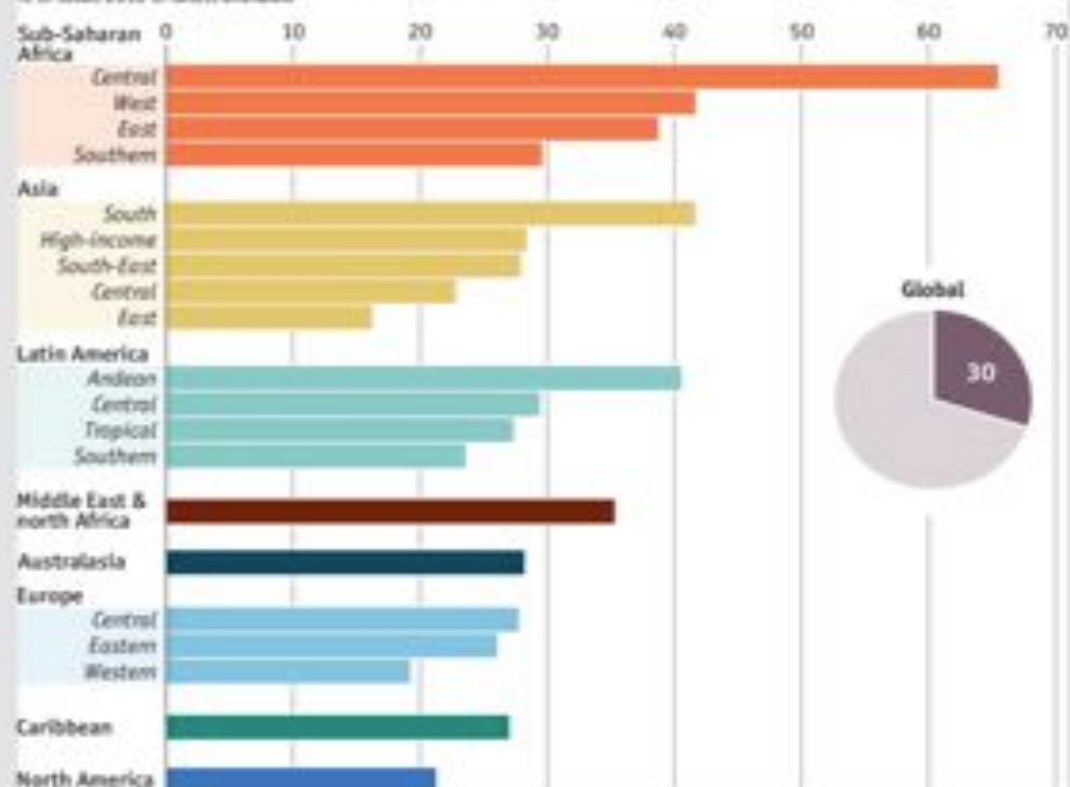
### Homicides of women by a partner\*

As % of all homicides of women, 2011 or latest available



### Women who have experienced physical or sexual violence from a partner\* in their lifetime

% of total, 2012 or latest available



Sources: (Top chart) "The Global Prevalence of Intimate Partner Homicide", by Heidi Stöckl et al, *the Lancet*, June 2013; (Bottom chart) WHO, "The Global Prevalence of Intimate Partner Violence Against Women" by K. Devries et al, *Science*, June 2013

\*Current or former

Thank You!





# Thank you

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