

# CONCEPTS, AIMS & SCOPE OF PREVENTIVE PEDIATRICS. ROLE OF PEDIATRIC NURSE IN HOSPITAL & COMMUNITY.....



# INTRODUCTION....

- Specialized area in pediatric care.
- 20 yrs before focused on treatment of disease.
- Cost effective, less time & equipments.
- Pediatric nurse vital role is prevention of disease & promotion of health.



# Definition – preventive pediatrics...

- Prevention of disease

Promotion of physical, mental and social wellbeing of children with the aim of attaining a +ve health.



# MODERN PREVENTIVE PEDIATRICS....

## *Art & science of:*

- ❖ health promotion
- ❖ disease prevention
- ❖ disability limitation
- ❖ rehabilitation.



- It implies a more personal encounter between the individual and health professional than public health.

# Background of prev. pediatrics...

- Before 20<sup>th</sup> century - promote children's health & treat children's disease.

## *After 20<sup>th</sup> century :*

increase survival rate.

reduced premature birth.

## **Other hand:**

- \* increased obesity.
- \* ADHD, depression.
- \* adolescent risk behaviors



# Contd...

## ***National survey of parents:***

>94% parents reported more than in met need for parenting guidance, education & screening by pediatric clinician in care areas.



# Concepts of preventive pediatrics



# Changing concept of preventive pediatrics..

- Antenatal pediatrics.
- Post natal pediatrics.
- Community pediatrics.
- Developmental pediatrics.
- Social pediatrics.





# Antenatal pediatrics...

- Adequate nutrition.
- Prevention of communicable disease.
- Preparation for safe delivery.
- Breast feeding
- Mother craft training.



# Postnatal pediatrics...

- Promote breast feeding.
- Introduction to complementary feeds.
- Immunization.
- Accident prevention.
- Tender loving care.
- Growth monitoring.
- Health checkup & periodic supervision.
- Psychological assessment.



# Social pediatrics...

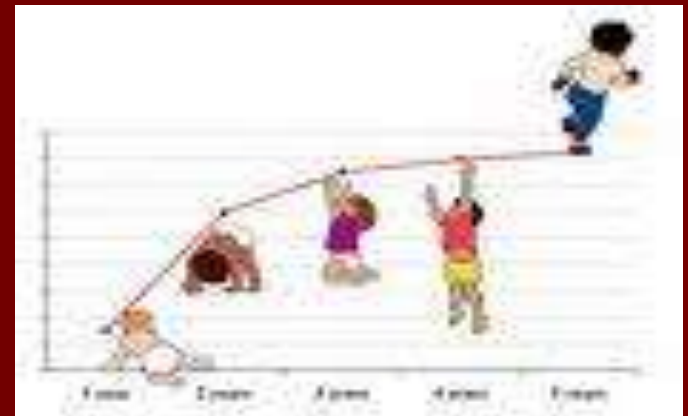
- \* Healthy & happy parents.
- Balanced nutritious diet.
- Clean healthy house & living environment.
- Educational provision & opportunities.
- Developmental needs like play, love & affection, safety & security, recreation.



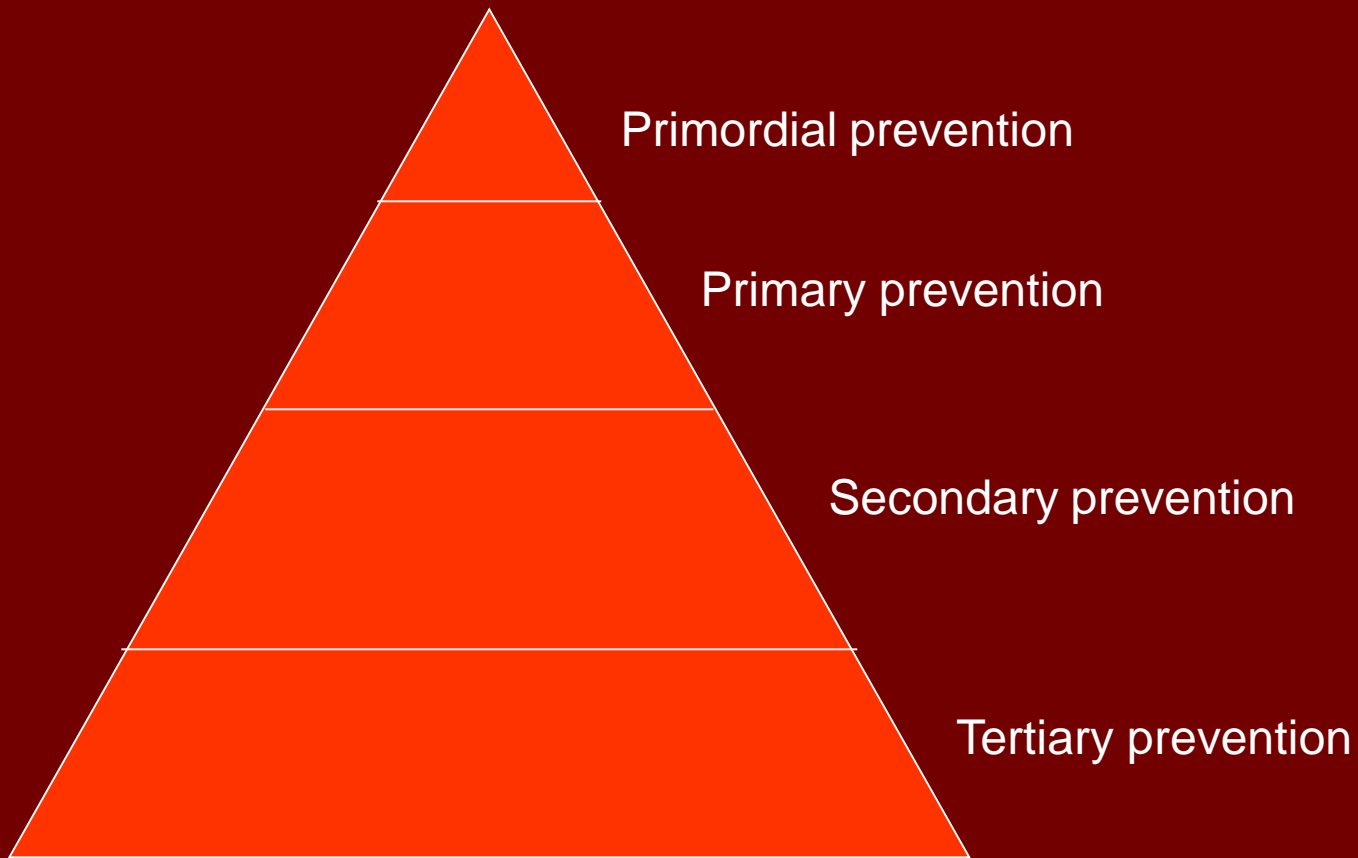
# Community pediatrics...

## *Include:*

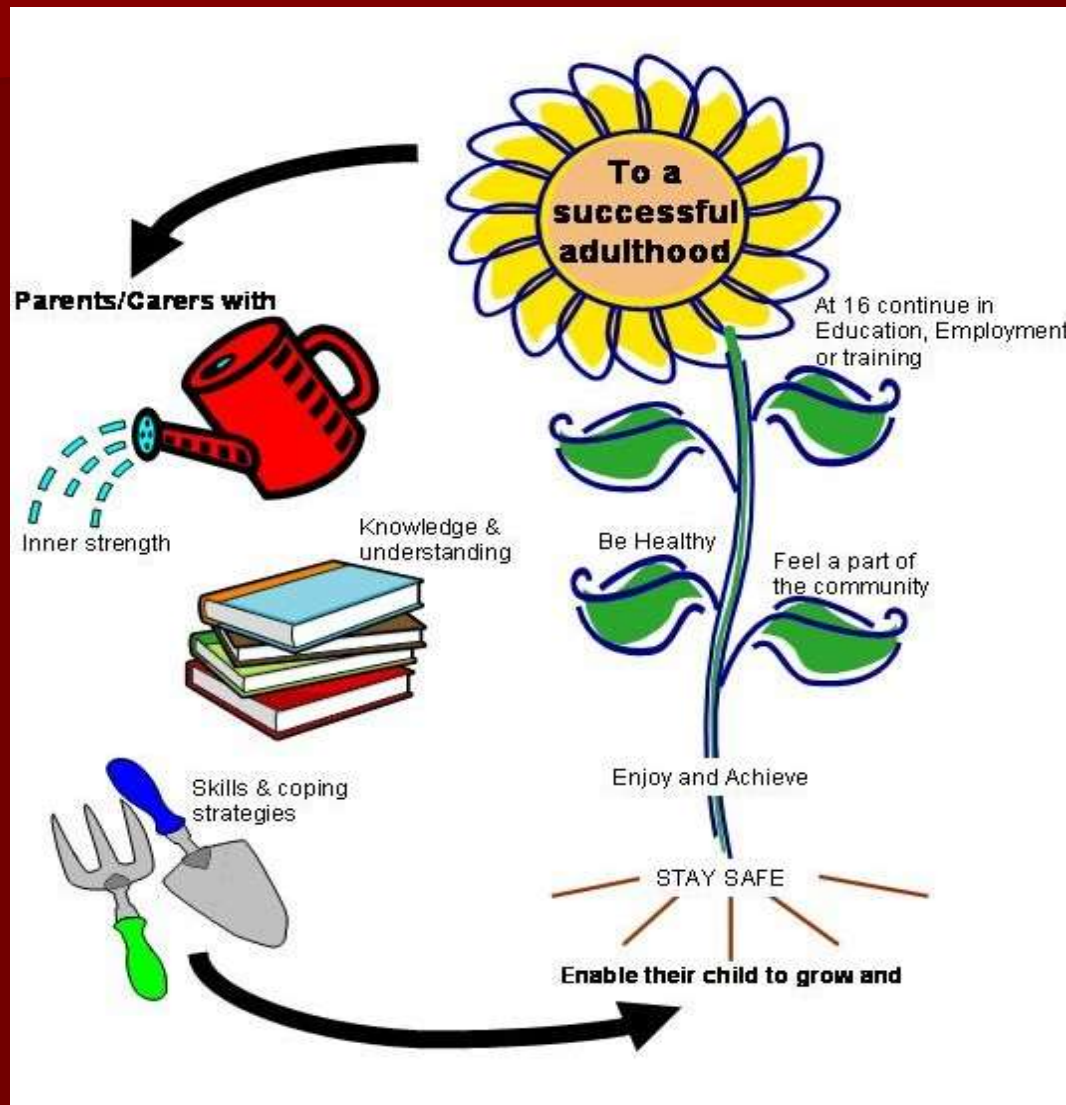
- ❖ public health.
- ❖ social pediatrics.
- ❖ social medicine.
- ❖ developmental pediatrics.



# Levels of prevention....

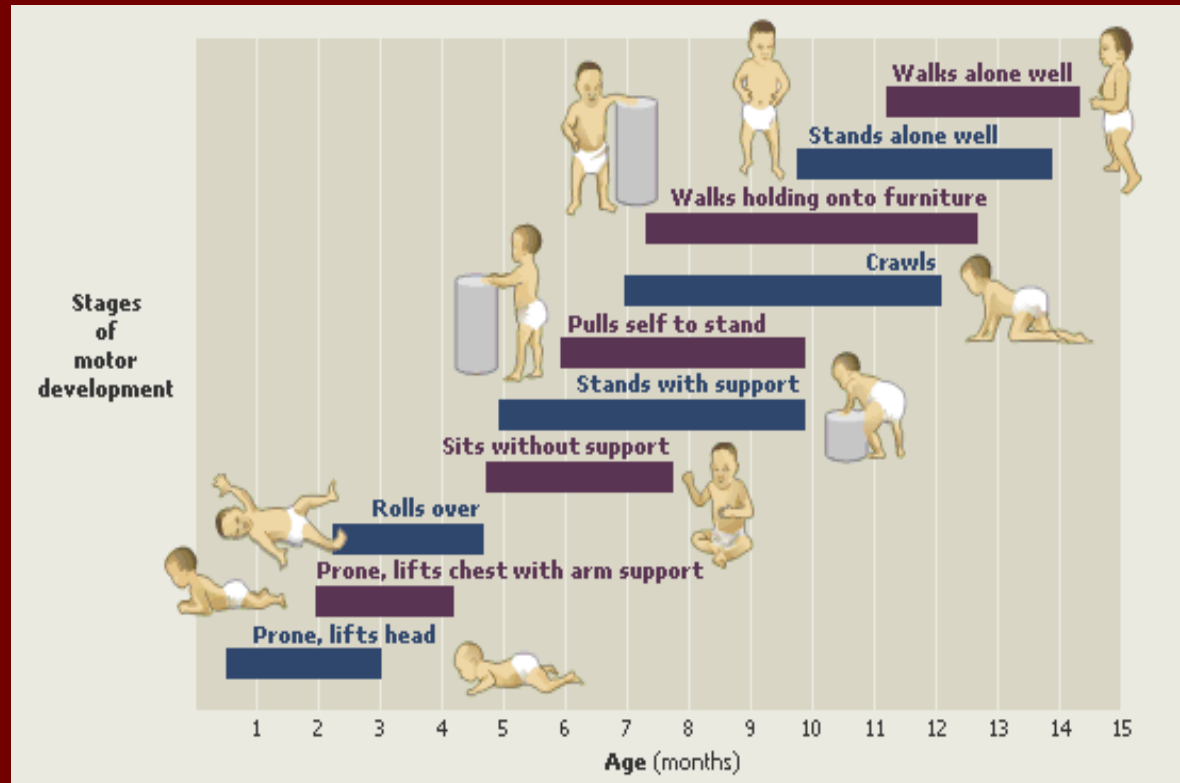


# Aims of preventive pediatrics



# Aims of preventive pediatrics...

- To foster optimum GROWTH & DEVELOPMENT.



# Aims Contd...

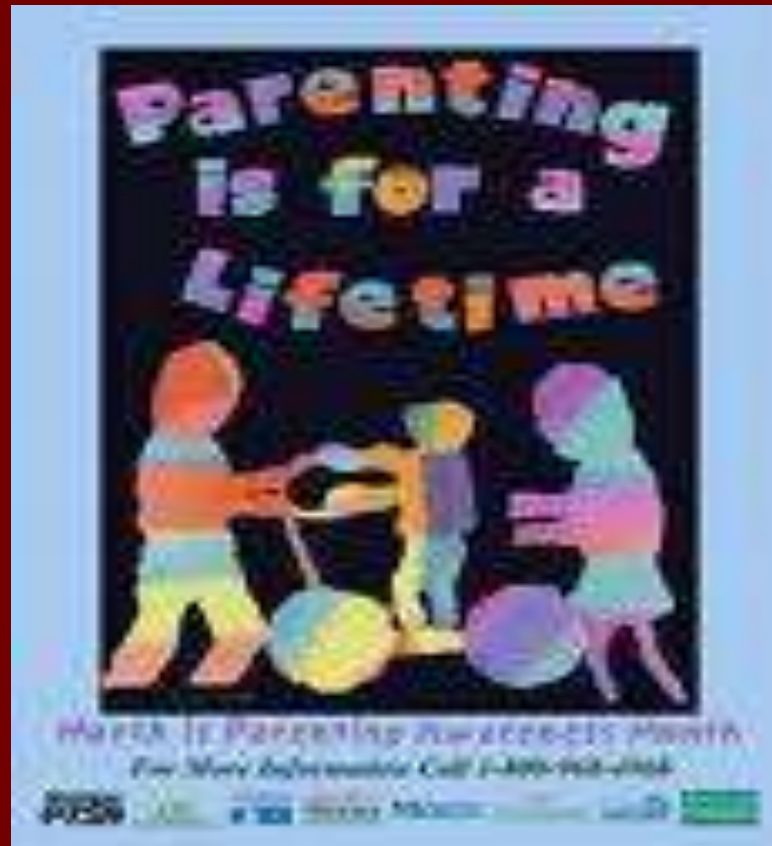
- To **prevent** disease & disability or to **detect** them early.





# Aims contd...

- To support parenting by providing psychosocial guidance.



# Components of preventive pediatrics



# Components of prev. pediatrics....

Prevention of: child abuse & neglect,  
Gender bias, child labor, care of street children...

Integrated child  
Developmental  
services

School health  
services

Family health  
Services.

Baby friendly  
hospital initiative  
BFHI (1992)

Reproductive &  
Child health  
Services

Integrated management  
Of childhood illness

National health prog.  
for children's  
In India

Maternal &  
child health

Under 5  
clinics

# FAMILY HEALTH...

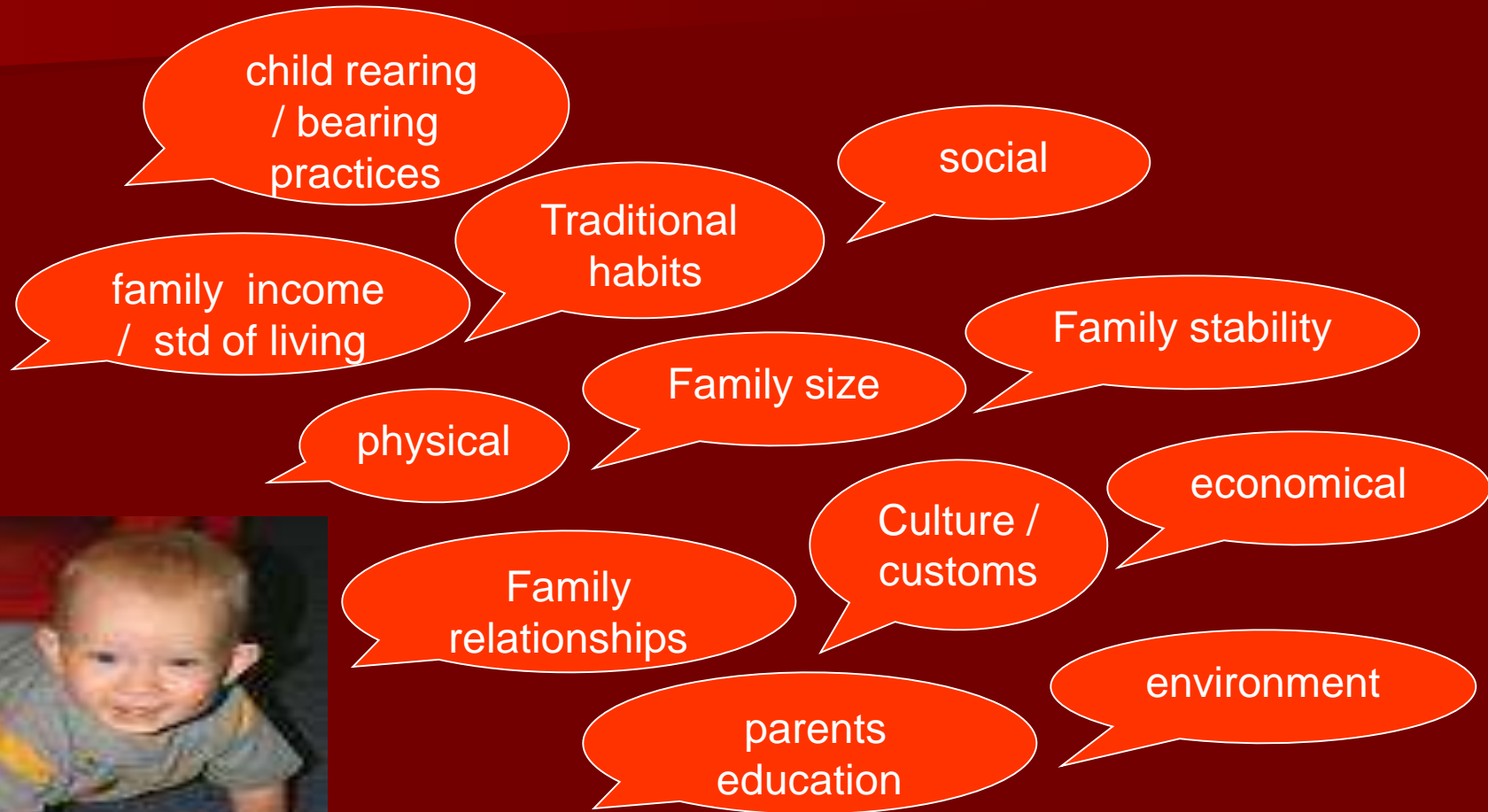


# Family health aims ...

1. Reduction of maternal, infant, child mortality & morbidity rates.
2. Improvement of family planning practice & planned parenthood.
3. Improvement of nutritional status of family members.
4. Increasing health awareness – preventive, promotive, curative & rehabilitative



# Factors affecting child health...



# Contd...

## ***Sub areas:***

- # Maternal & child health
- # Family welfare services.
- # Nutritional services.
- # Health education.





# ADVENTURES IN PARENTING



How  
*RESPONDING,  
PREVENTING,  
MONITORING,  
MENTORING,*

and  
*MODELING*

Can Help  
You Be a  
Successful  
Parent



National Institute of  
Child Health and  
Human Development

National Institutes  
of Health



# Maternal & child health...



# Maternal & child health....

- Promotive, preventive, curative & rehabilitative health care for mothers & children .



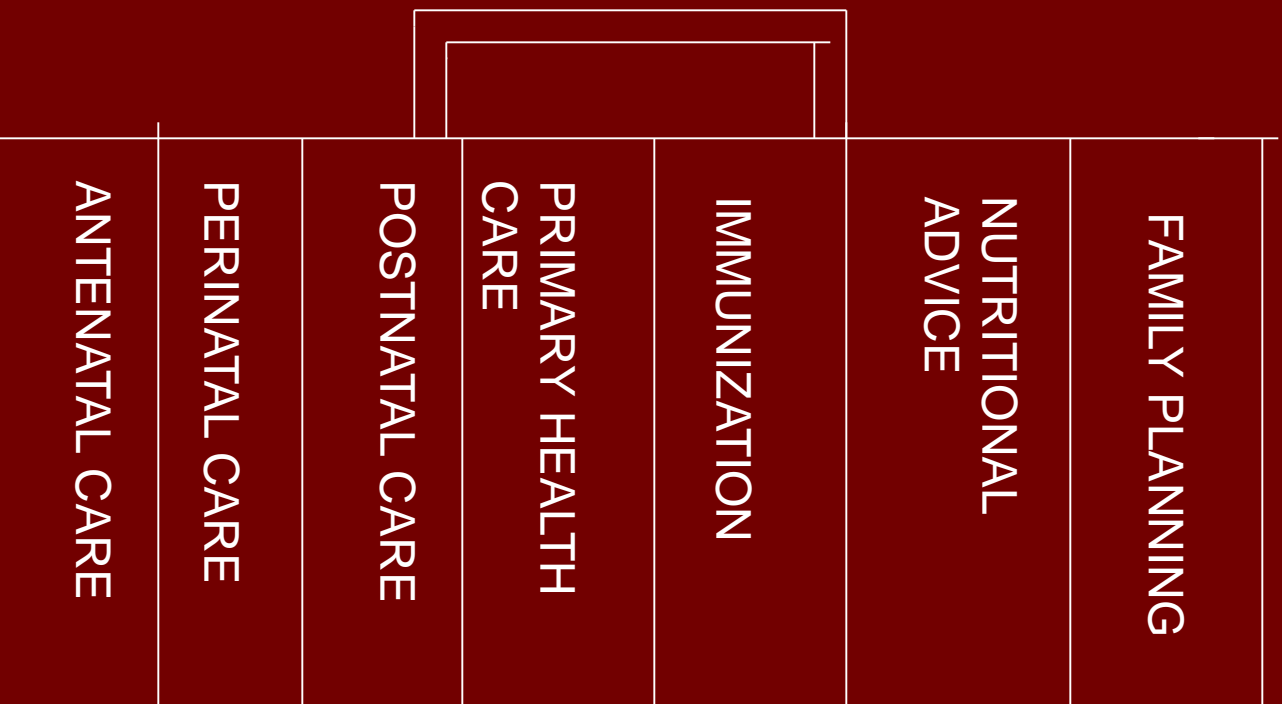
# Contd ....

## Specific objectives:

- 1.Reduction of perinatal, maternal, infant, child mortality & morbidity rate.
- 2.Promotion of reproductive health.
- 3.Promotion of physical & psychological development of the child & adolescent with in the family.



# MCH package....



# Reproductive & child health program...



# Reproductive & child health programme. (RCH- 1997)

- ***Launched :***

By GOI – October 1997 as per recommendation of international conference on population development in Cairo, 1994.

- ***Cover:***

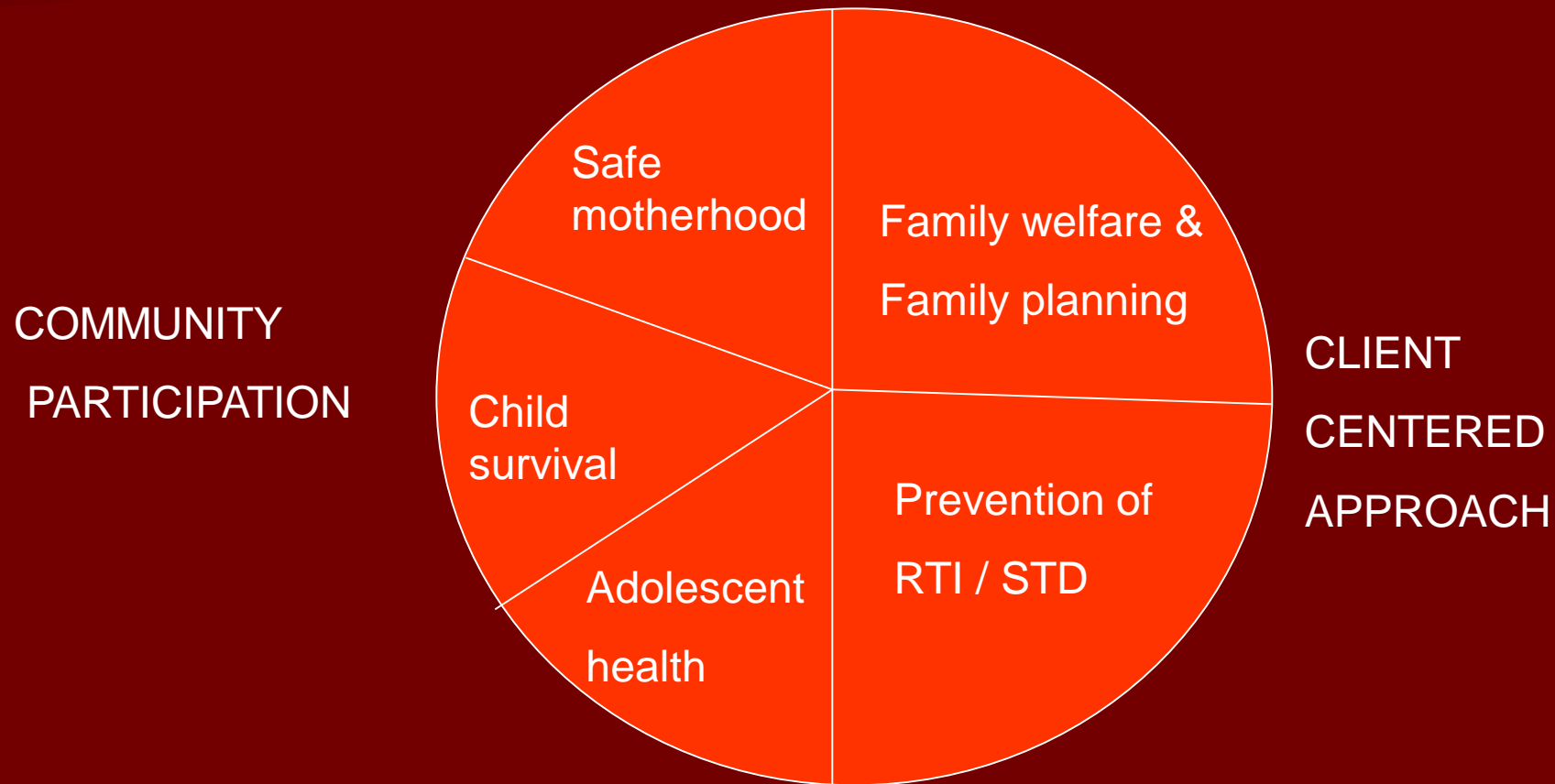
CSSM

Family welfare program.



# Components of RCH program...

## LIFE CYCLE APPROACH



# MCH:COMPONENTS

Sub areas of maternal health

Child health

Family planning

Handicapped children

School health

Adolescent

Health aspect of children in special areas  
Eg: day care centers



# Package of services...

children

mother

Eligible  
couples

Other new  
services

# For children (child survival)

- Essential new born care.
- Exclusive breast feeding – 6 months.
- Immunization against 6 killer diseases.
- Management of diarrhea & ORT.
- Management of ARI.
- Treatment of childhood anemia.
- Vit A prophylaxis.



# For mothers...

- Early registration of 3 visits.
- Minimum 3 antenatal check up.
- Immunization against tetanus.
- Prevention & treatment of anemia.
- Birth spacing.
- Minimum 3 postnatal check up.
- Management of obstetric emergencies.



# Contd...

- Promotion of institutional deliveries.
- Early identification of maternal complication.
- Deliveries by trained personnel.



# For eligible couples...

- Promotion of contraception.
- Prevent unwanted pregnancies.
- Safe services for MTP.

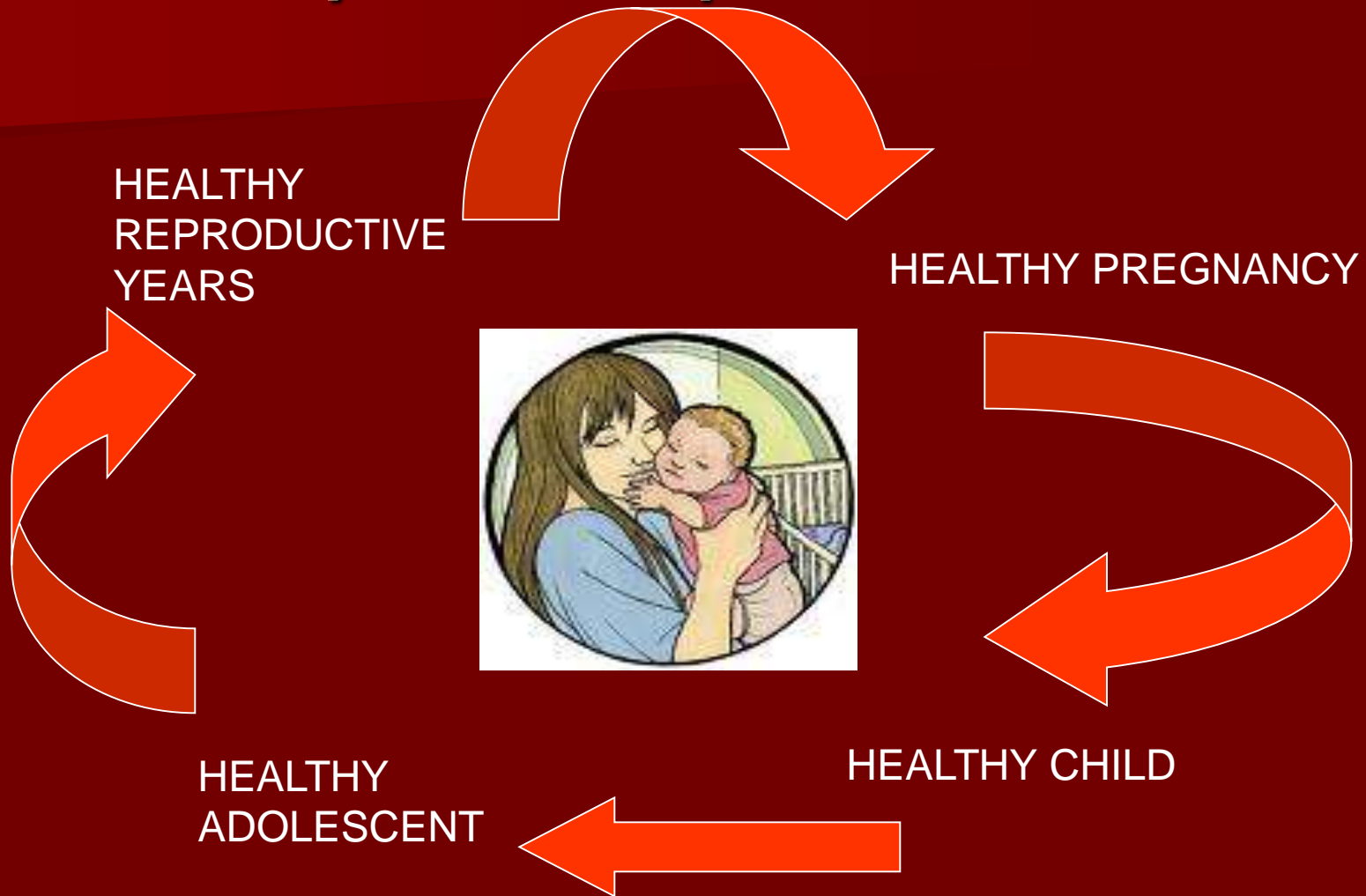


# OTHER NEW SERVICES...

- Prevention & management of RTI / STDs.
- Adolescent health & counseling on:
  - family life.
  - reproductive health.



# Life cycle adoption in RCH...



# Baby friendly hospital initiative...





# Baby friendly hospital initiative (1992)

## ***Launch:***

1992 in India as part of “innocenti declaration” on breast feeding.

## ***AIM:***

Promote , protect & support breast feeding.



# 10- steps for successful breastfeeding...

- Have a written breast feeding policy
- Train all health care staff in skills necessary to implement this policy
- Inform all pregnant women about the benefits and management of breast feeding
- Help mother's to initiate breast feeding within 1/2 hour of birth



# 10 steps Contd...

- Show mother's how to breast feed and how to maintain lactation even if they are separated
- Give newborn infant's no food or drink other than breast milk
- Practice rooming –in allow mother and infant to remain together 24 hours a day



# 10 STEPS CONTD

- Encourage breast feeding on demand
- Give no artificial teats and pacifiers to breast feeding infants
- Foster the establishment of breast feeding support groups and refer the mother's to them at discharge



# BFHI – other activities...

- Improved antenatal care.
- Mother friendly delivery services.
- Diarrhea management.
- Adoption of family planning.
- Promotion of healthy growth & good nutrition.
- Supportive immunization.



# BFHI in india...

- The certification needs recognition every 2 yrs to ensure – std & quality for successful breastfeeding.
- GOI – LAW:
  - “ the infant milk substitutes, feeding bottles & infant food act 1992”



# Law contd...

## ***Prohibits:***

advertisement of (IMS) infant milk substitutes & feeding bottles to public.

## ***Restrict:***

Free sampling, hospital promotion & gift of samples to health workers.

## ***Violation of act:***

fine or imprisonment.



# Integrated child development services....





# Integrated child development services (ICDS - 1975)

- **GOI** – ministry of social & family welfare in 1975.
- **AIMS:**  
welfare of children  
development of human resources.



# ICDS contd...

## \*Beneficiaries:

children up to 6 yrs.

pregnant women

nursing mothers

women of 15 – 45 yrs



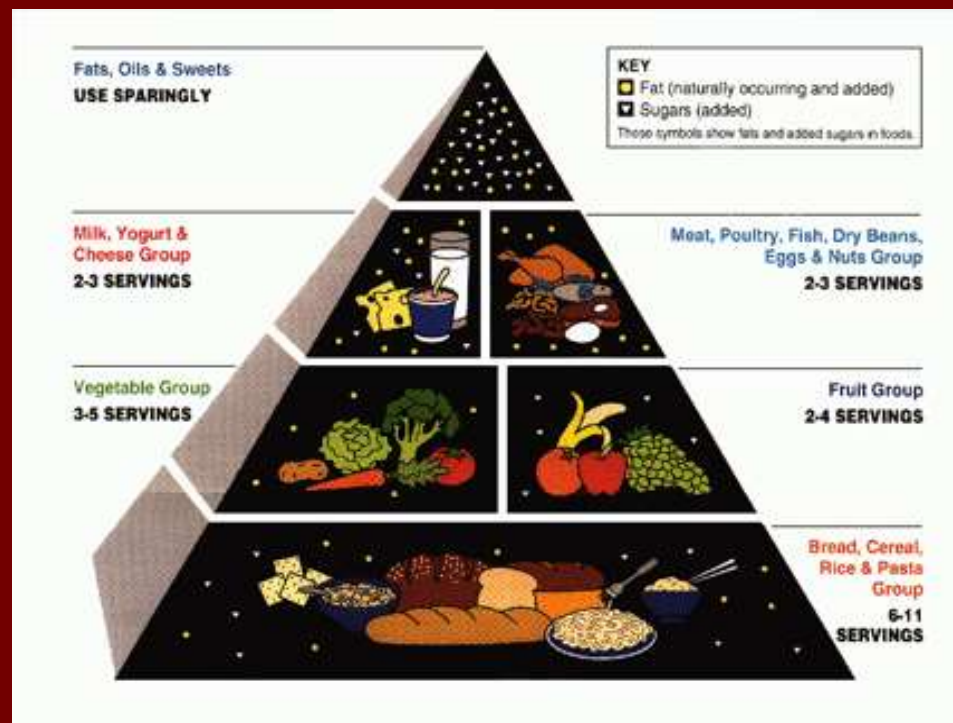
# ICDS objectives....

- To improve nutrition & health status of children age 0 -6 yrs.
- To lay the foundation for proper psychological, physical & social development of the child.
- To reduce mortality, morbidity, malnutrition & school dropout.
- To achieve an effective co-ordination of policy & implementation.



# Objectives contd...

- To enhance the capability of the mother & to promote nutritional needs of the child.



# ICDS Package services...

## *Children < 3 yrs:*

- Supplementary nutrition.
- Immunization.
- Health check up.
- Referral services.

## *3 – 6 yrs:*

- Supplementary nutrition.
- Immunization.
- Health check up.
- Referral services.
- Non – formal school education.



# ICDS Package contd...

## ***Pregnant women:***

- Health check up.
- Immunization against tetanus.
- Supplementary nutrition.
- Health education.

## ***Nursing mothers:***

- Health check up.
- Supplementary nutrition.
- Nutrition & health education.

## ***Women 15 – 45 yrs:***

- Nutrition .
- Health education.

Under five clinic....



# Under 5 clinics....

## ■ **Concept :**

comprehensive health care of children below 5 yrs of age.

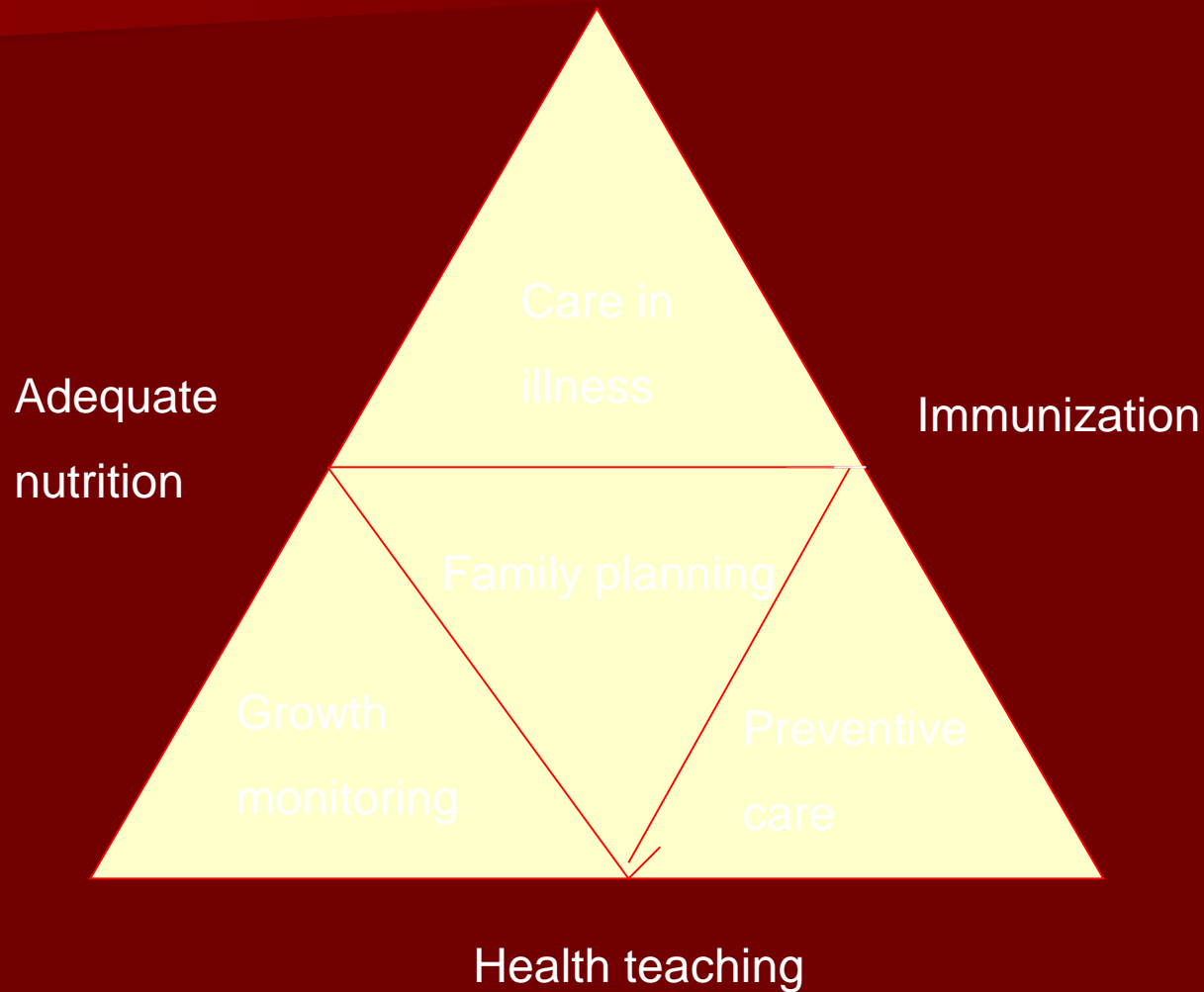
## ***Clinic activities:***

- ✓ preventive services
- ✓ health supervision
- ✓ treatment, nutritional surveillance
- ✓ health education

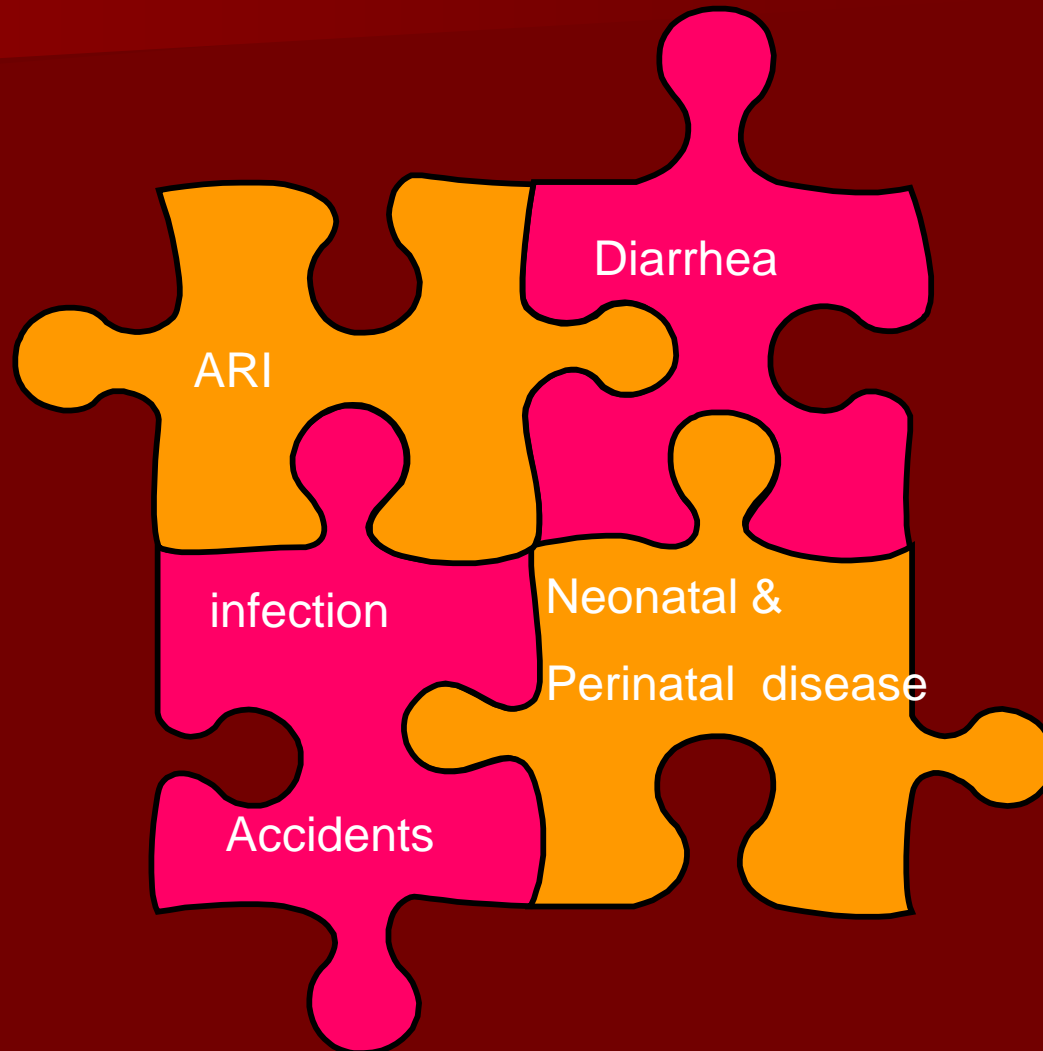




# U5 clinic components



# CAUSES OF MORBIDITY & MORTALITY AMONG U5s



# School health services...



# School health services...

## ■ ***Launch:***

1960 – school health committee. GOI

## ***OBJECTIVES:***

Promotion of +ve health.

Prevention of disease.

Early diagnosis & treatment.

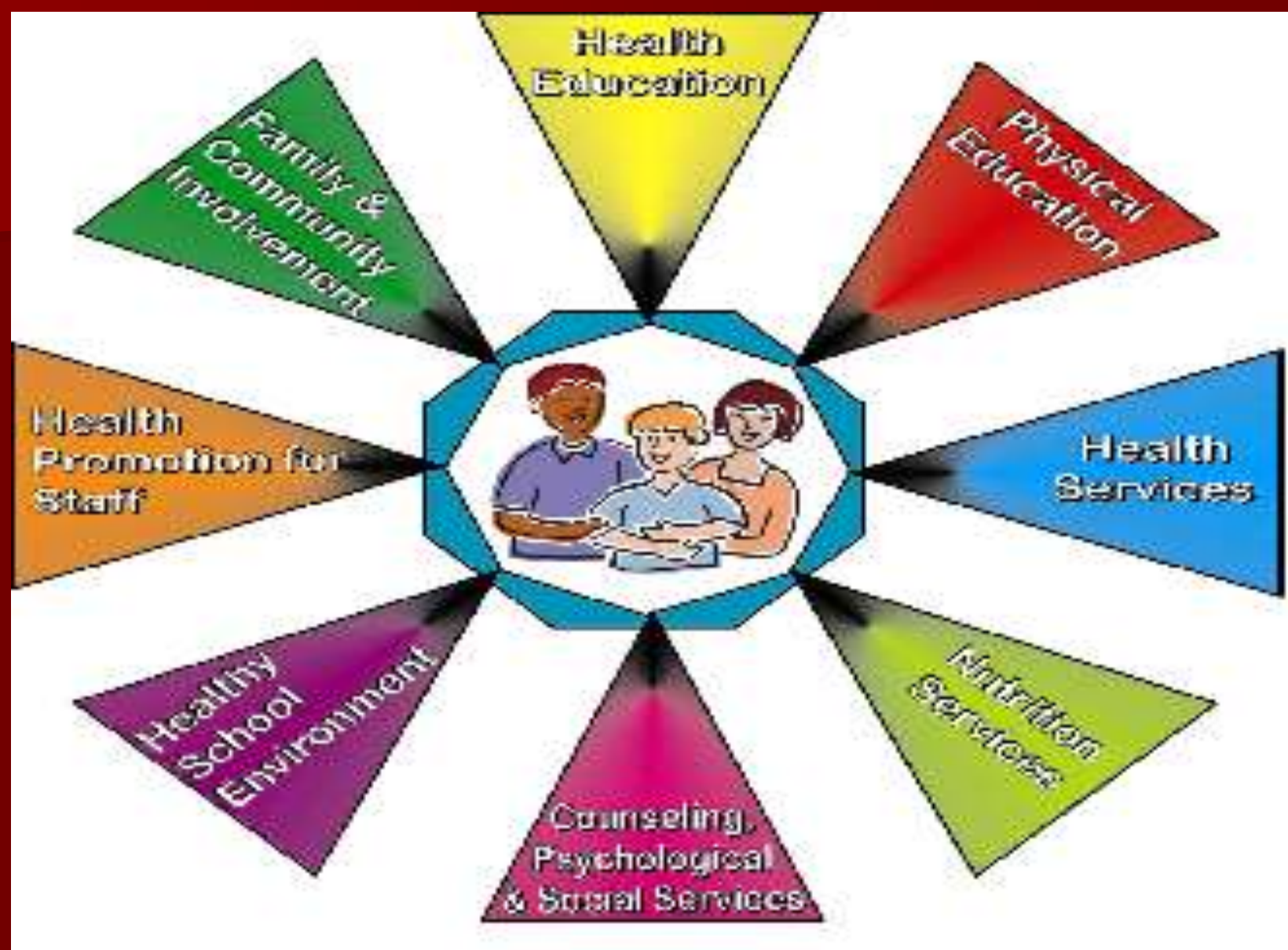
Increasing health awareness good/bad

Provision of healthy environment.



# Aspects of school health services...





# Healthy Children Are Prepared To Learn

Health  
Education

Nutrition  
Services

Healthy and  
Safe School  
Environment

Physical  
Education

Counseling  
and  
Mental Health  
Services

Health  
Services

Parent  
and  
Community  
Involvement

Staff  
Wellness  
Promotion



Health Education

Physical Education

Health Services

Nutrition Services

Counseling, Psychological, & Social Services

Healthy School Environment

Health Promotion for Staff

Family/Community Involvement



# Aspects of school health services...

- Health appraisal of school children.
- Remedial measures & follow up.
- Prevention of communicable diseases.
- Healthy school environment.
- First aid & emergency care.
- Nutritional services.
- Mental, dental, eye health.
- Education for handicapped children.
- Maintenance & use of school health records.

# Components of school health services...



improvement of skills of care providers.



provision of essential drugs supplies.



optimization of family & community practices.

# Integrated management of childhood illness...

## Integrated Management of Childhood Illness

Trainer's Guide



unicef 

CARE

# Integrated management of childhood illness

## ***Establish:***

WHO/ UNICEF – integrated management of common childhood illness.

## ***OBJECTIVES:***


To reduce U5 mortality & morbidity in developing countries by improved performance of health worker.




# Preventive & curative health services.... In schools



vaccination



Breast  
feeding



Complementary  
feeding



Vit A  
supplementation



Counseling on  
Health problems



micronutrients

# Contd..

## **CASE MANAGEMENT OF:**

- ❑ ARI
- ❑ Diarrhea
- ❑ Malnutrition
- ❑ Worm infestation
- ❑ Measles, malaria

1. Assess, Classify, and Identify Treatment.
  - Check for general danger signs.
  - Ask about main symptoms (cough, difficult breathing, diarrhea, fever, ear problem).
  - Check for malnutrition and anemia.
  - Check child's immunization status.
  - Assess for other problems.
2. Treat the Child.
  - Teach the mother to give oral drugs at home.
  - Teach the mother to treat local infections at home.
  - Give treatments in clinic (intramuscular antibiotic, quinine for severe malaria, prevent low blood sugar, give extra fluids for diarrhea).
3. Immunize Every Child as Needed.
4. Give Follow-up Care.
5. Counsel the Mother (Nutrition/Feeding, Fluids, When to Return, Mother's Own Health).

**Note:** Adapted from World Health Organization, Division of Child Health and Development, & UNICEF, 2006.

## ***PREVENTION OF :***

- \*CHILD LABOR**
- \*CHILD ABUSE**
- \*GENDER BIAS &**
- \*CARE OF STREET CHILDREN**



# Prevention of child labor....



# Prevention of child labor...

- Defn:

employment of children in gainful occupation even at their expenses of their physical, emotional, social wellbeing.





## UNORGANISED SECTORS

- ❖ Domestic servants
- ❖ In shops
- ❖ Restaurants
- ❖ Vendors
- ❖ Agriculture workers
- ❖ Shoe shine boys
- ❖ Rag pickers

## ORGANISED SECTORS

- ❖ Carpet weaving
- ❖ Sari embroidery
- ❖ Precious stone polish
- ❖ Bidi making
- ❖ Bangle manufacturing
- ❖ Leather industry
- ❖ Match & fire industry
- ❖ Balloon factory
- ❖ Automobile works
- ❖ Petrol pump
- ❖ Building construction



































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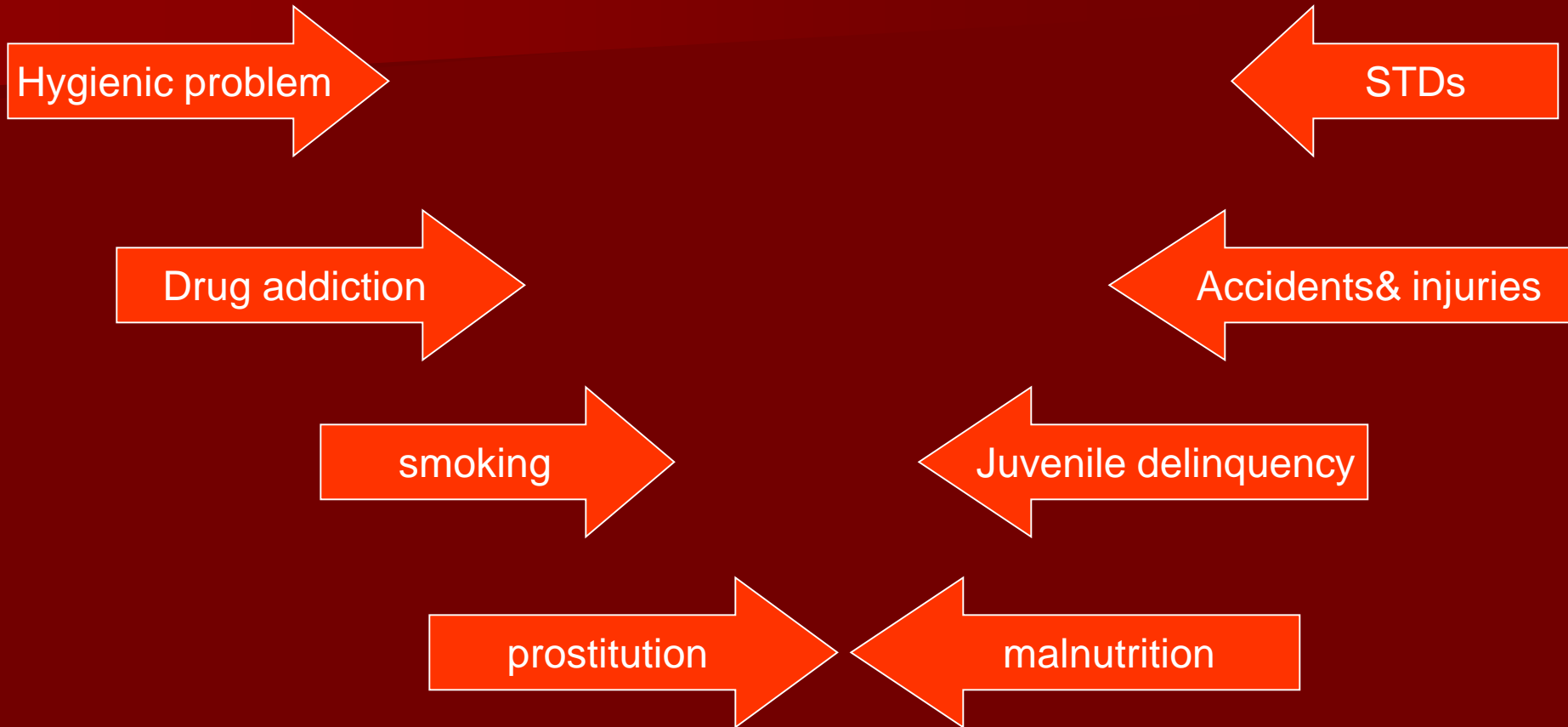




# Factors responsible...

- ✓Poverty
- ✓Illiteracy
- ✓Unemployment
- ✓Bad company
- ✓Broken family
- ✓Parents death
- ✓Child of unmarried pregnancy
- ✓School dropout
- ✓Beggar gang
- ✓Maladjustment in the family

# Consequences of child labor...





YOUR  
CONTRIBUTION  
CAN END  
CHILD LABOUR.



An initiative by the



# INDIAN Act for child labor....

- The child labor protection act 1986.
- In 1996 supreme court of India directed state govt & union territories to abolish child labor & rehabilitation
- Creation of awareness



# Child abuse....

## The Biggest Myth about Child Abuse

The biggest myth is that the dangers to children come from strangers.

In most cases, the perpetrator is someone the parent or child knows, and is often trusted by the child and family.





# Child Abuse and Neglect

A Pre-hospital  
Continuing Education and  
Teaching Resource

From the Creators of the *EMPE*

D. Anderson

M. Tard

M. Tard

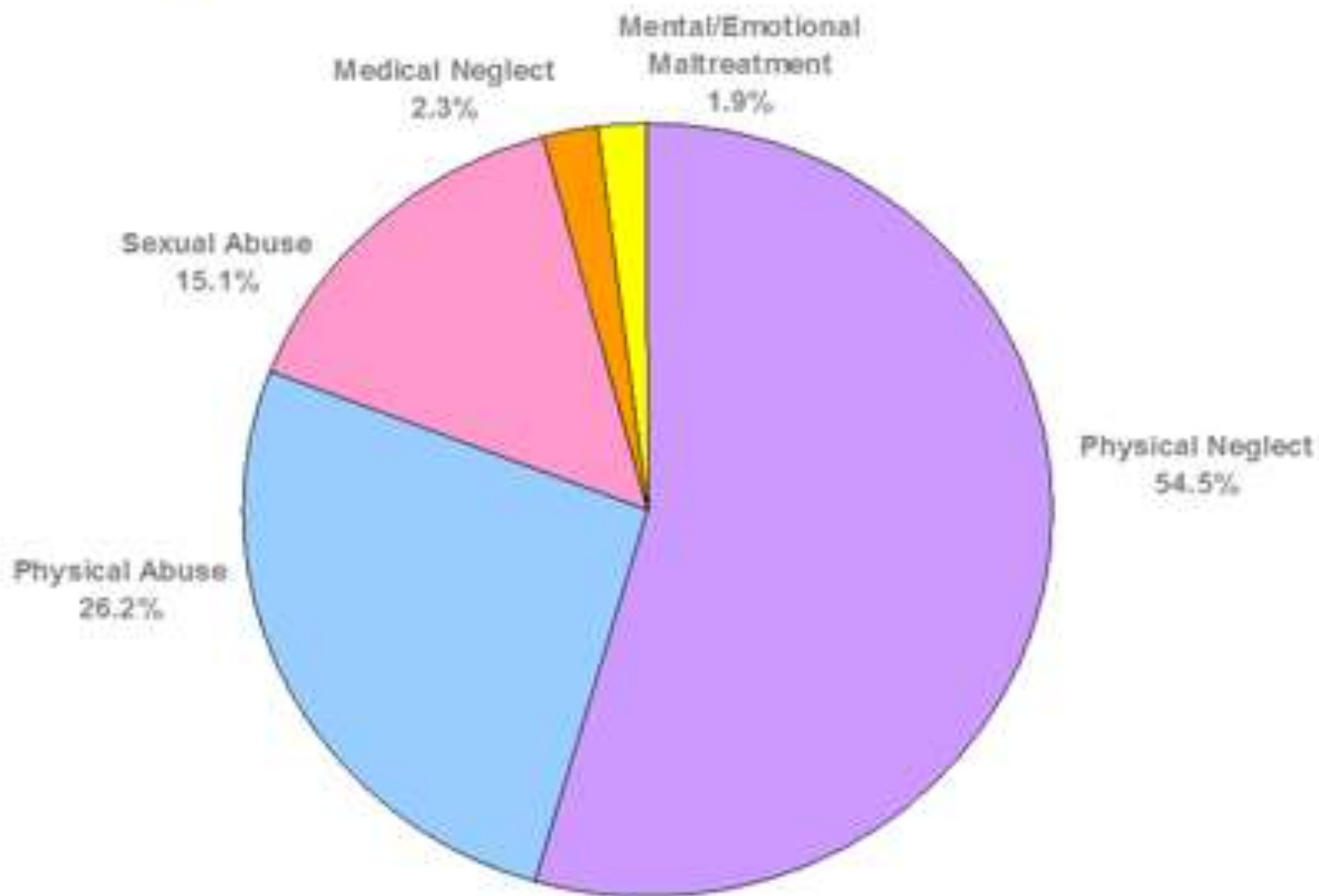
A. Cooper

A. Shumway

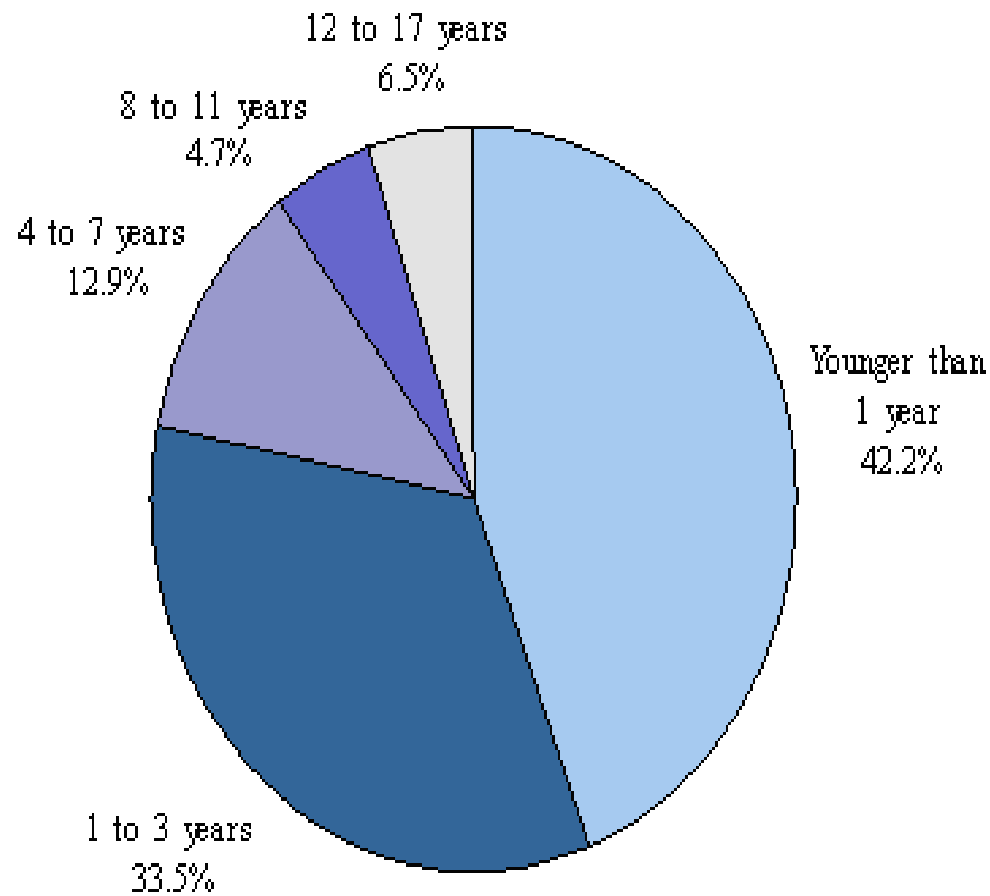
G. Feller

Executive Editor: L. Kiefe

## Virginia Reports of Child Abuse by Type, 2008



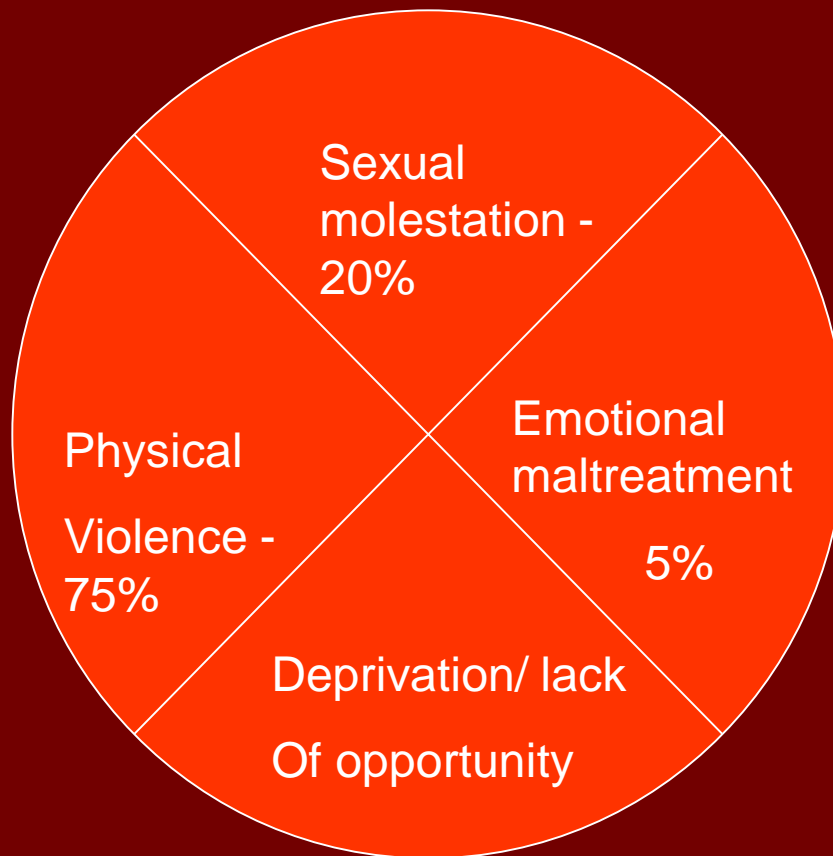
## Child Abuse and Neglect Fatality Victims by Age, 2007





# Child abuse...

## ■ Ratio in India :



# CONSEQUENCES....

- Physical injury
- Malnutrition
- Lack of hygienic care
- Growth failure
- Non organic FTT
- Behavioral problems
- Mental retardation
- Rape
- Sexual injury
- Death



the deepest  
SCARS are  
those we  
cannot  
see

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# Prevention of child abuse...



# Gender bias....





# Gender bias....

- Against female is more in India.
- Before birth – female feticide.
- After birth – female infanticide.



# Some actions by countries...

## ***UNICEF:***

- Enfolding potentialities of female child & empowerment.

## ***SAARC:***

- 1990 – The year of girl child.
- 1991 – 2000AD decade of girl child.

## ***India :***

- 10 recommended practical action plan by national conference on status of girl child in Mumbai .





# 10 recommended practical action plan for girl child ....

- No discrimination on the basis of sex and equal opportunity for boys and girls with stress on welfare of girl child
- Strict implementation of total ban of female feticide in all states and union territories
- Emphasis on creation of awareness on care of girl child



# 10 recommendations contd.....

- Improvement of nutritional status of girl child
- Free education of all girls upto secondary school level in all states of India
- Compulsory immunization to all female children
- Stress on health status and problem of female child during home visits by community health nurse



# Contd...

- Revision , simplification and implementation of child labor act and laws
- Motivation of adoption of female child especially physically challenged
- Job opportunities for physically challenged and socially deprived girls



# CATHOLIC ISSUES NEWS



GENDER BIAS



# Care of street children...



# Care of street children...

- Homeless children in urban & semi urban areas.
- It affects health problems for them.
- Govt & NGOs support & help them.



# CRY.....?

- CRY –" Child relief & you "an Indian org. by Rippon Kapoor IN 1979 for helping deprived children of streets & slums with food, shelter, & education.





# Contd...

- CLPOA –

“ the city level program of action” established in 1994 in Kolkatta by govt & NGOs for welfare of street 7 working children.



# ACTIVITES

- Free educational facilities.
- Provision of health welfare services.
- Housing facilities.
- Job opportunities.
- Promotion of adoption & rehabilitation.
- Guidance & counseling.
- Self support & problem solving.



# Scope of preventive pediatrics...



# ***1. Before conception ...***

## ***Before conception:***

- 3 months to 1 yr before conception.
  - diabetes
  - vitamin A
  - folic acid & neural tube defects.



## 2. Perinatal period...

### 1. Essential newborn care:

- 63.1% death of infant at 1<sup>st</sup> month of life.

### *Objectives of early neonatal care:*

- Establishment of cardio pulmonary function.
- Maintenance of body temperature.
- Avoidance of infection.
- Establishment of satisfactory feeding regimen.
- Early detection of congenital & acquired disorders.



# 3. Neonatal period to adolescent...

Monitor  
Growth & dvpt

immunization

Treatment  
for illness

Safety  
precaution

**Health care & health  
maintenance**

Screening

Nutrition

Breast  
feeding

Emotional  
Climate at  
home

# Issues in preventive pediatrics...



# Issues...

THE PATIENT IS ALWAYS CHANGING

PEDIATRICIANS SHOULD WORK WITH PARENTS

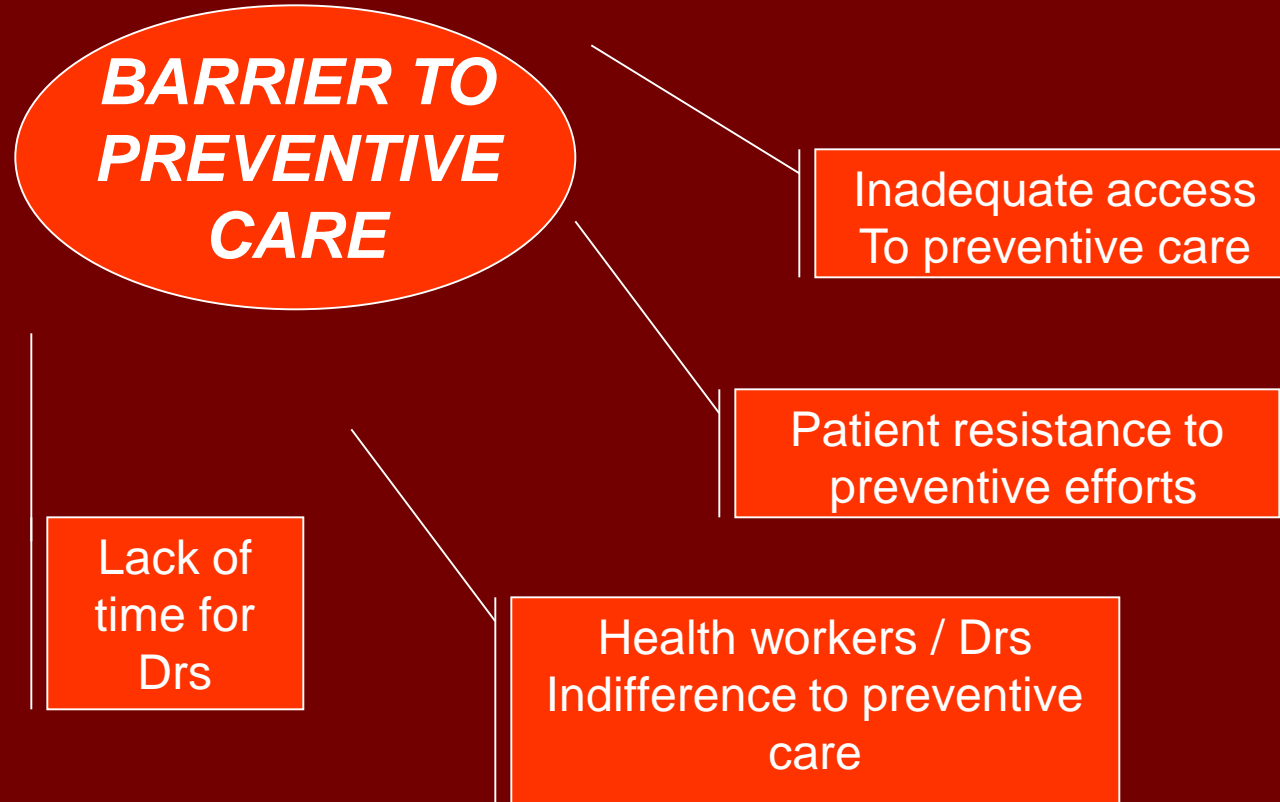
FAMILY ISSUES



# UNIQUE BARRIERS IN PREVENTIVE PEDIATRICS



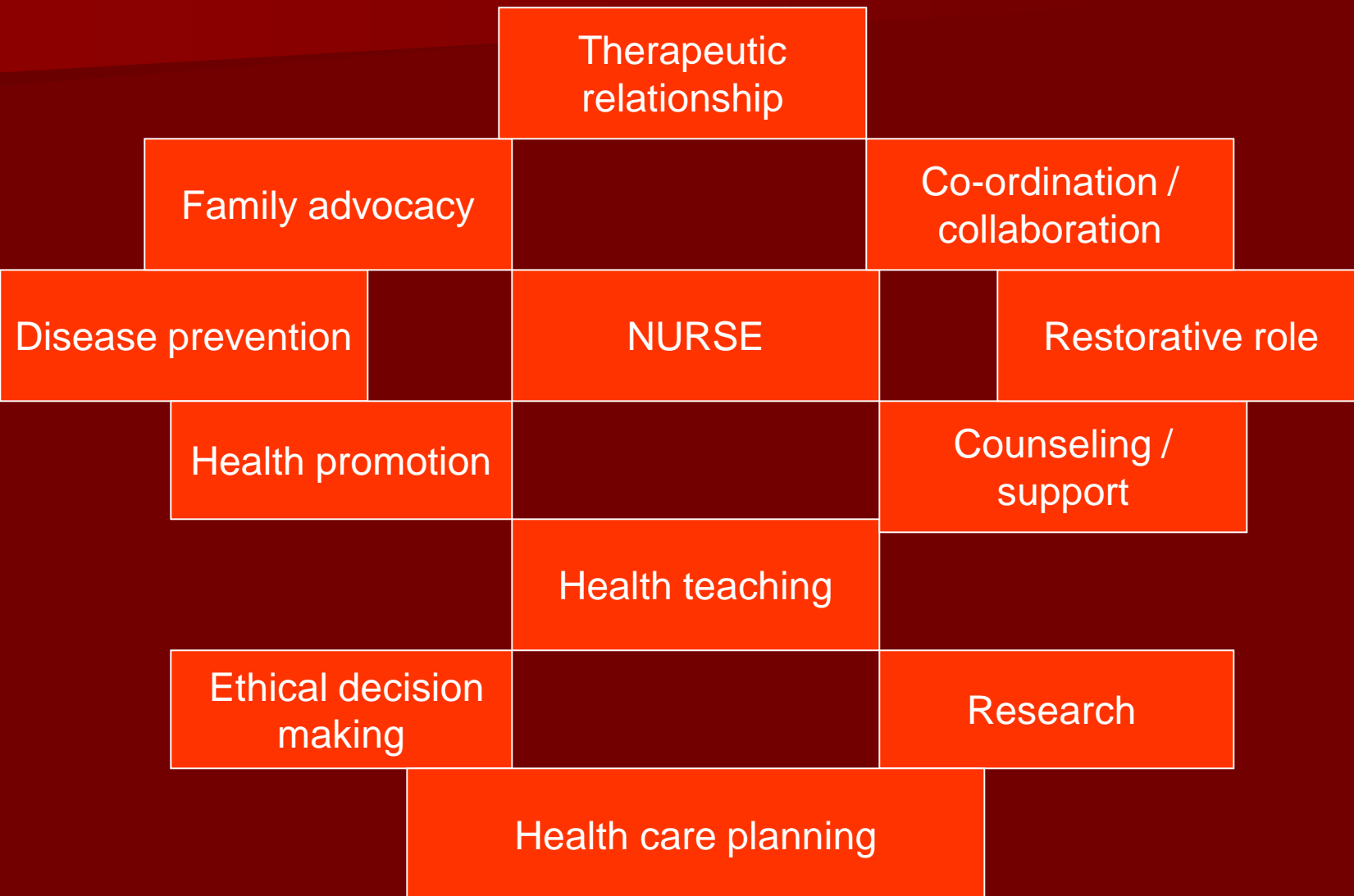
# BARRIERS...



# ROLE OF PEDIATRIC NURSE IN HOSPITAL & COMMUNITY



# IN HOSPITAL...



# In community...

Health  
assessment

Anticipatory  
guidance

Direct nursing  
care

Health  
education

Health  
counseling

Referral