

# 20 Milestones in Pediatrics



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**Editor-in-Chief**

Indian Pediatrics

# Methodology



## Opinions of 40 people including

- Pediatric faculty
- Practicing Pediatricians
- Researchers and Scientists
- Policymakers in Government
- IAP Functionaries,
- NGO Partners Of IAP
- Medical Students
- Parents

## Internet Search

Google, PubMed,

# Response and Analysis



- Response Rate 100%
- Suggestions received 32
- Average suggestions 8
  
- Categorization of suggestions
  - Important: > 10 responses
  - Intermediate : 5-10
  - Less important: <5

**20 topmost chosen in  
order of priority**



# 20 Milestones in Pediatrics

## Pediatrics

(healer of children) as a

## Separate Branch

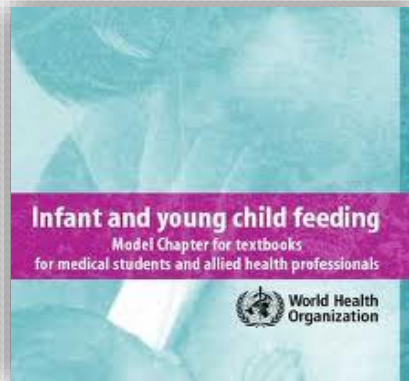


Developed in the mid-19th century

Abraham Jacobi (1830–1919)  
Father of Pediatrics

# 20 Milestones in Pediatrics

## Recognition of Breastfeeding



Optimal breastfeeding practices - single greatest potential impact on child survival. At least six times greater chance of survival. Prevents 22 % of neonatal deaths.

*Lancet 2008*



# 20 Milestones in Pediatrics

## Vaccines can Prevent Diseases



Vaccination cited as the number  
one public health  
achievement of the 20<sup>th</sup> century

*CDC Atlanta*

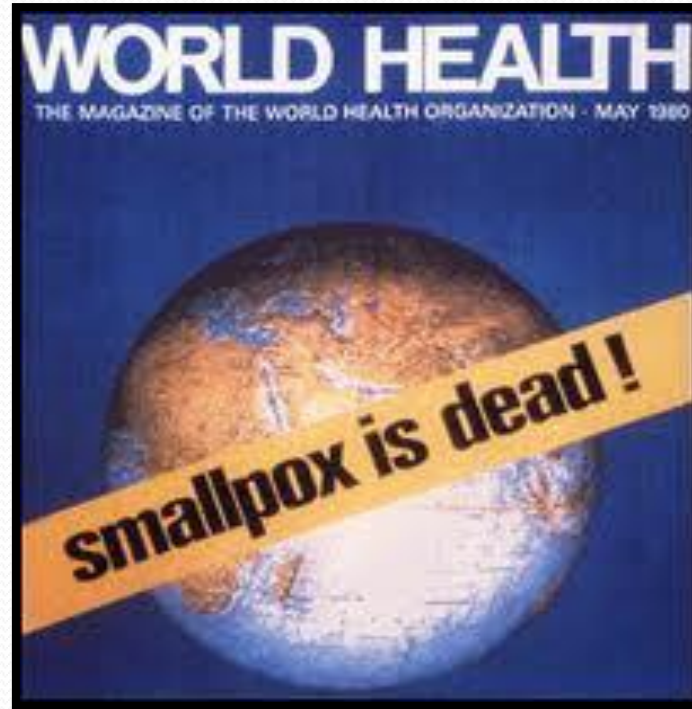
Spectacularly increased life  
expectancy in last two centuries

*Vaccine, 2003*



## 20 Milestones in Pediatrics

1977





# 20 Milestones in Pediatrics







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# 20 Milestones in Pediatrics

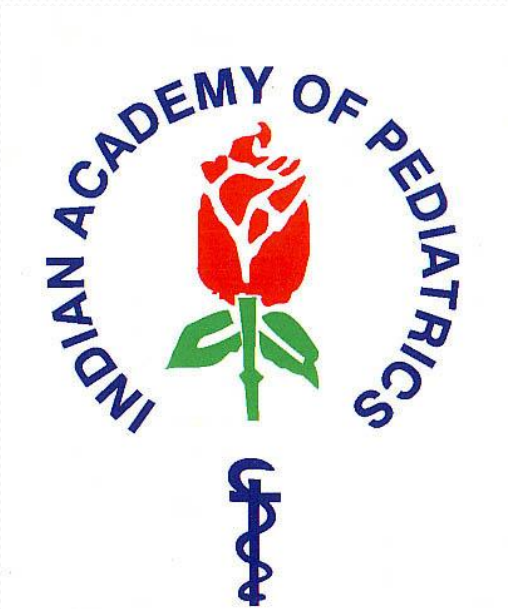
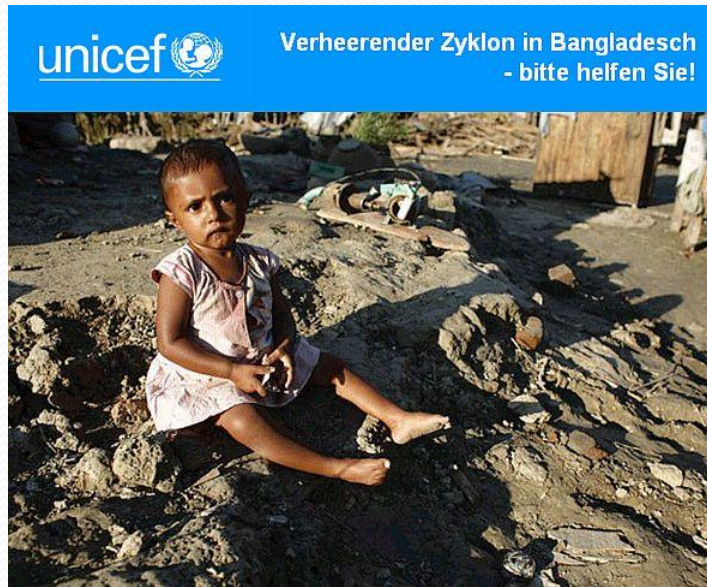


## Road to Health Chart

A simple, cheap, practical,  
convenient and Appropriate tool  
to monitor child health



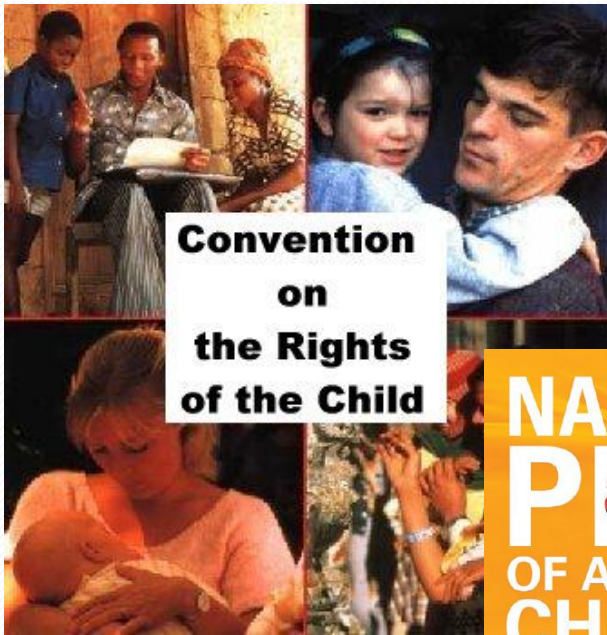
# 20 Milestones in Pediatrics



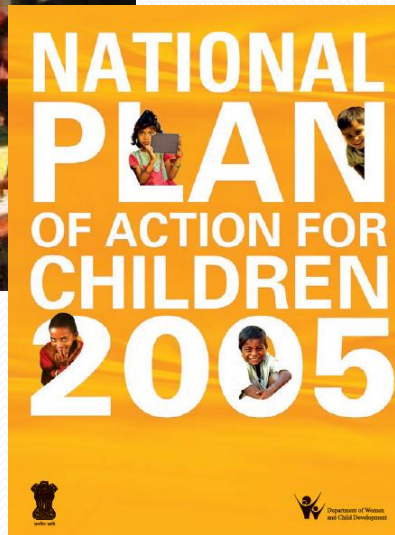


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**Convention  
on  
the Rights  
of the Child**



**United Nations 1989**

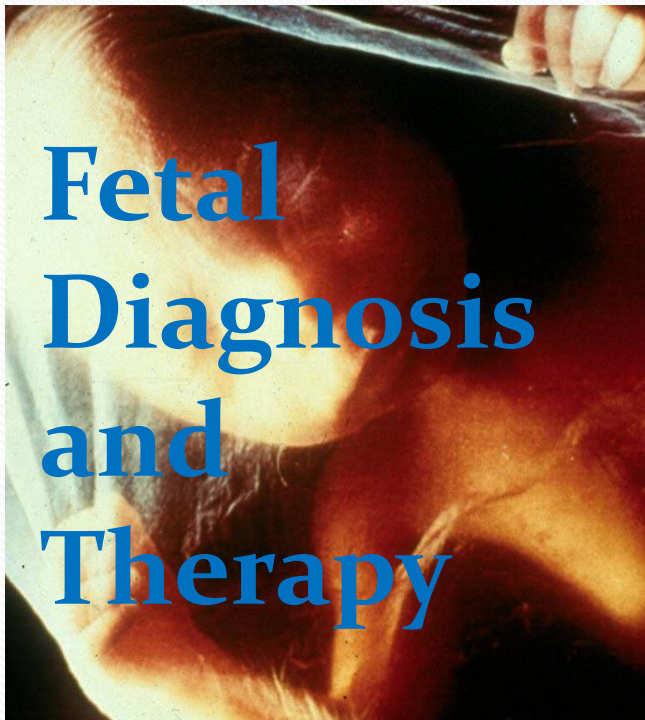
- Right to survival
- Right to protection
- Right to development
- Right to participation

**Ratified India 1992**



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# 20 Milestones in Pediatrics



- By 1975 - able to diagnose some congenital or inherited diseases including hereditary blood diseases, Down syndrome, defects of the spine, or other congenital diseases are present.



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# 20 Milestones in Pediatrics

Fetal “Programming” and  
origin of adult diseases

## Barker’s Hypothesis

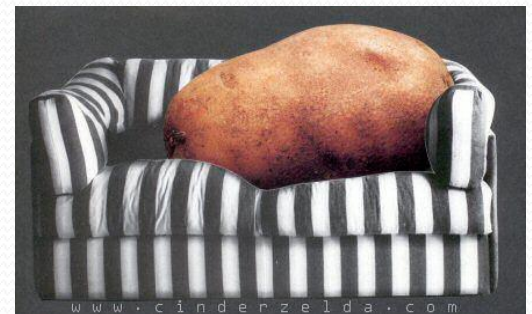
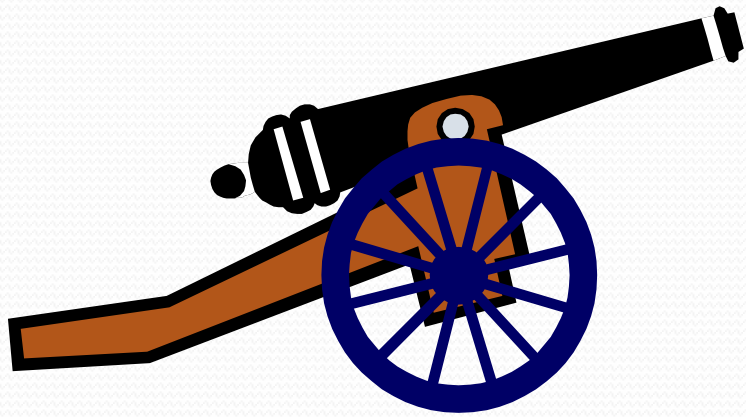
Stimulus or **Insult** at a Sensitive or “**Critical**”  
Period of Development has Lasting or  
**Lifelong** Significance





# 20 Milestones in Pediatrics

## *Lifestyle Factors* (recognition of)



“Genes load the gun.  
Lifestyle pulls the trigger”

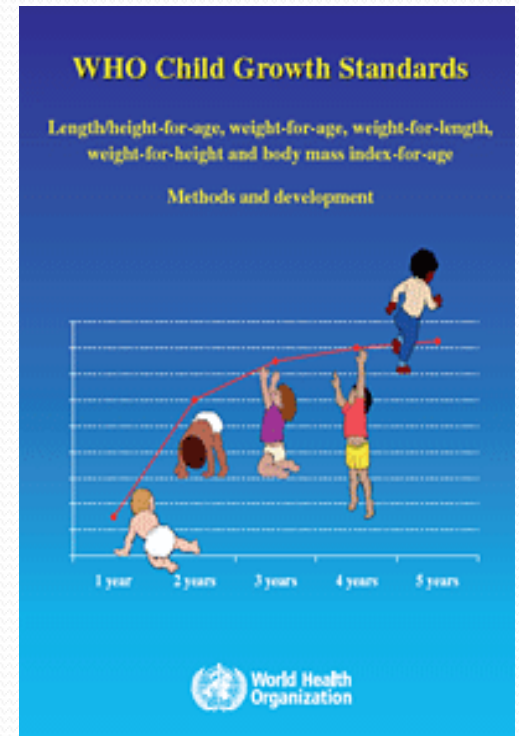
Dr. Elliot Joslin



# 20 Milestones in Pediatrics

## WHO Growth Curves for the 21st Century 2006

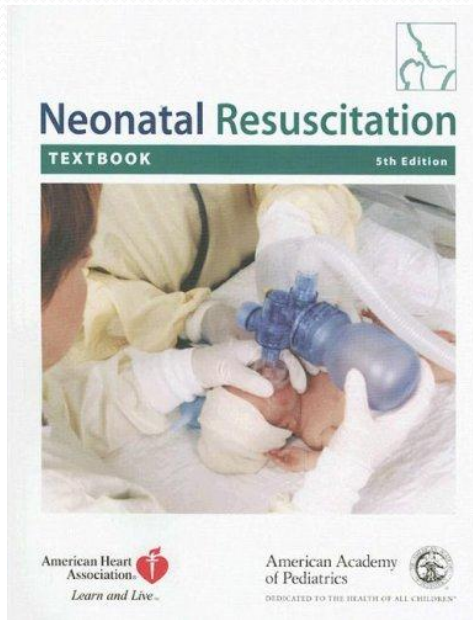
*The new standards demonstrate that children born in different regions of the world , when given an optimum start in life , have the potential to grow and develop within the same range of height and weight for age.*





# 20 Milestones in Pediatrics

**Neonatology:** Emerging Super specialty







# 20 Milestones in Pediatrics

## **Poliomyelitis - Near Eradication**

### **Global Polio Eradication Initiative**

Globally, 921 cases; India reports 42 (2010)



## **Neonatal Tetanus – Near Elimination**

15 States In India achieved MNT  
elimination (As on 25<sup>th</sup> june,2010)





# 20 Milestones in Pediatrics

*Legislations in Independent India*



**PNDT ACT**



**MATERNITY LEAVE**



**CHILD LABOUR ACT**



**IMS ACT**



# 20 Milestones in Pediatrics

## Adolescence: Emerging Focus



The cover of the Indian Academy of Pediatrics Adolescent Health Chapter Annual Report 2010. It features a young woman looking at a smartphone against a red brick wall. The text includes the Indian Academy of Pediatrics logo, 'INDIAN ACADEMY OF PEDIATRICS ADOLESCENT HEALTH CHAPTER', and 'ANNUAL REPORT 2010'. There is also a silhouette of a boy and a girl holding hands.



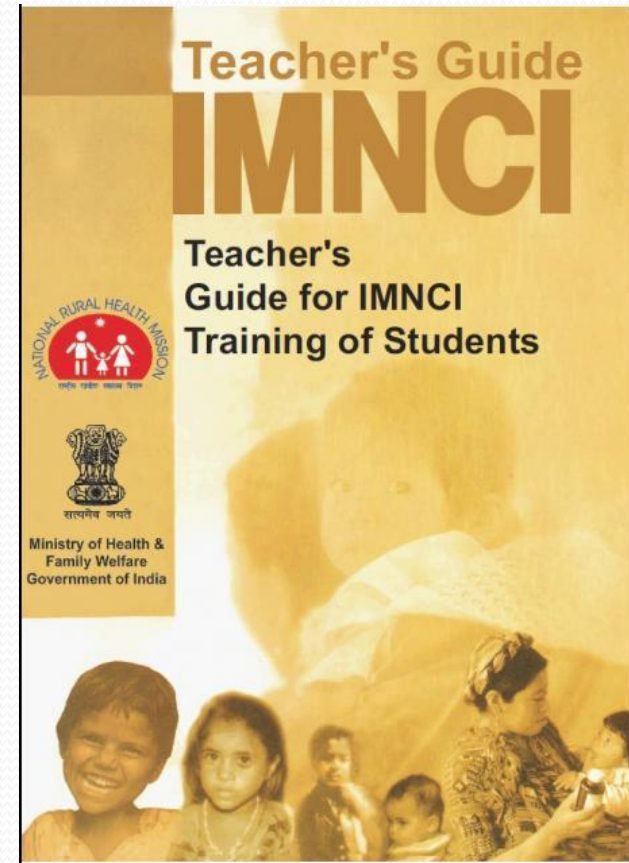


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IMNCI

Integrated Management of Neonatal  
Childhood Illnesses

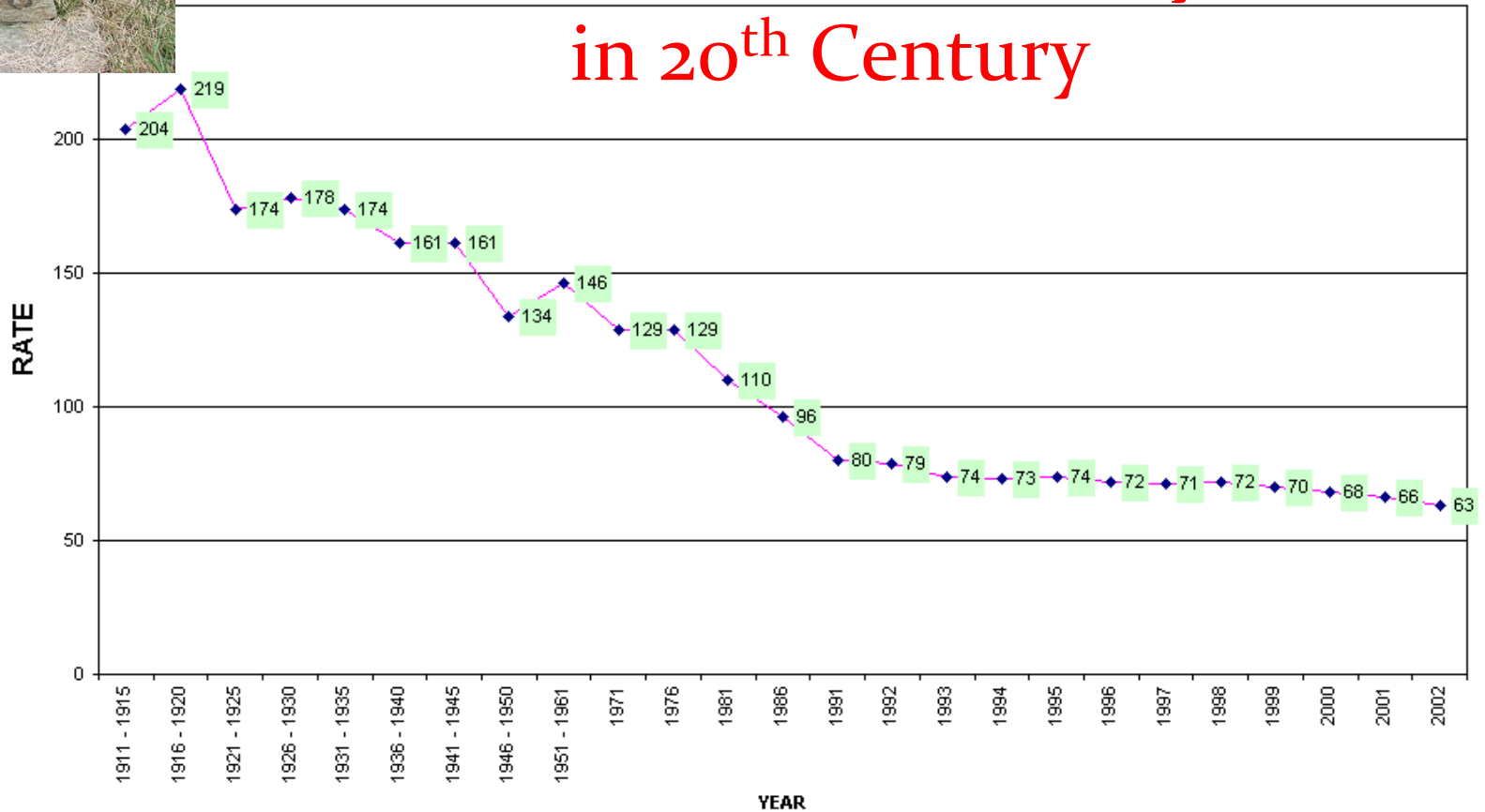
Started as IMCI – Now an  
integral component of  
RCH II





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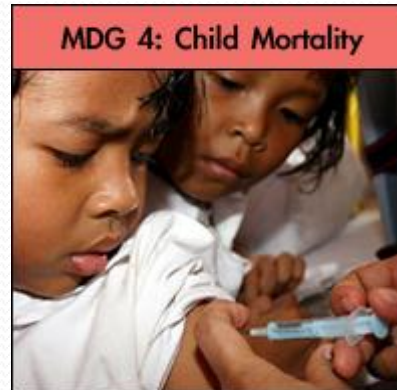
## Decline in Infant Mortality Rate in 20<sup>th</sup> Century





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## MDG 4: Vow to Reduce Child Deaths





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## INDIAN PEDIATRICS



Journal Title	IF 2009	IF 2010
Indian J Med Res	1.883	1.516
J Postgrad Med	1.538	1.389
<b>Indian Pediatr</b>	<b>0.956</b>	<b>0.962</b>
Neurol India	1.095	0.796
Curr Sci India	0.774	0.782
J Genet	0.640	0.762
Natl Med J India	0.911	0.685
Indian J Exp Biol	0.599	0.550
<b>Indian J Pediatr</b>	<b>0.646</b>	<b>0.539</b>

**Topmost ranking  
specialty journal of India**

**Most popular website:  
10 Lakh hits per month**



Thank  
You

Bye  
Jaipur

