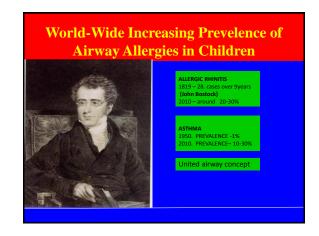


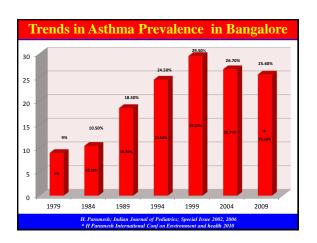
## Flow of Talk Need for ICON on Asthma Magnitude of the problem Historic, Asia Pacific Indian and Bangalore Urban and Rural Children Age Distribution Gender Distribution Presenting Symptoms Co morbidities Challenges Conclusion

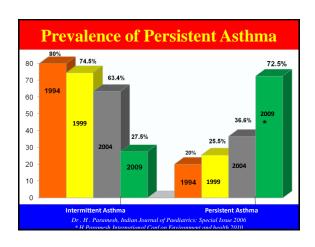
## Need for ICON in Childhood Asthma □ Many guidelines/Consensus documents vary in scope/methodology/focus/exclusivity in pediatric Asthma □ Pediatric asthma presents challenges not seen in adults: • Pathophysiology • Developing immune system • Natural history • Variable response to medications • International Collaboration of Asthma, Allergy and Immunology (ICALL) was formed under EAACI, AAAAI, ACAAI and WAO to critically review the existing guidelines globally

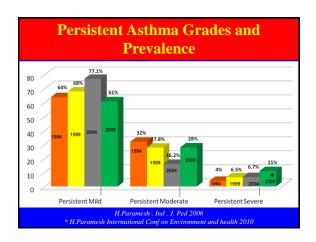


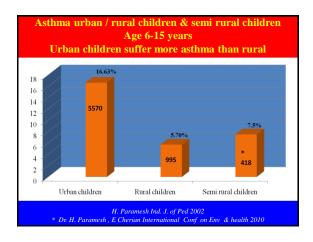
Asthma in Asia Pacific Area							
Singapore	5.5% (1967)	20% (1994)	Goh D.Y. et al.				
Thailand		14.5% (2003)	Vanhyonond et al				
Indonasia	(Sabang)	9.6% (2004)	Sundaru.H				
Malaysia	12yrs	13.8% (2005)	Yousuf .M.O				
Philippines	13 – 14yrs	18.1% (2004)	Roa.CC et al				

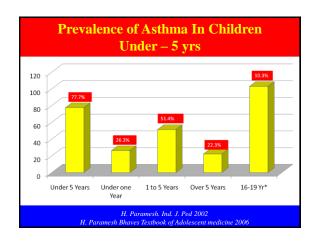
Prevelen	ce Studie	s on Child	hood Asthm	a in India		
Cities	Year	Age	Prevelence	Author		
Patna	1966	0 - 9	0.2%	Viswanathan et a		
New Delhi	1998	5 - 16	11.9%	Chhabra et al		
14 Cities	1997	13 - 14	2 – 8%	ISAAC		
Chandigarh	2001	9 - 20	2.6% (B)	Gupta et al		
			1.9% (G)			
Chennai	2002	< 12	18%	Chakravarthy et a		
Lucknow	2004	6 – 7	2.3%	Aswathi et al		
		13 – 14	3.3%			
Bangalore	2002	6 – 15	11 to 31%	Paramesh. H		
Bangalore	2006	< 18	26.7%	❖Paramesh. H		
Sunil K. Chhabra, Ind., of Pediatrics SS,No 1: 2006 S1 - 4						
♦ Paramesh. H Ind.J. of Pediatrics SS.No 1: 2006. S51.55						

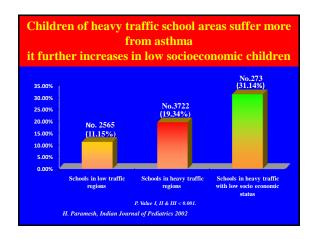


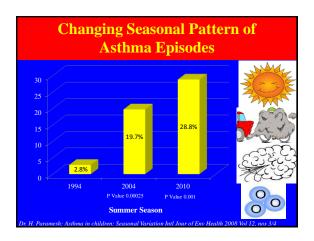


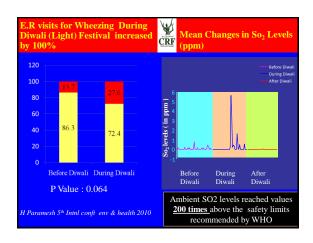


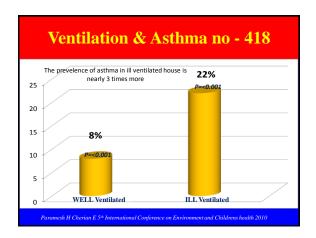


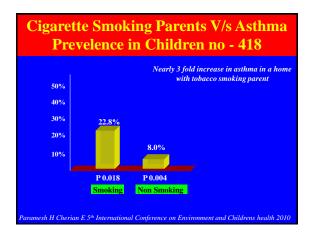


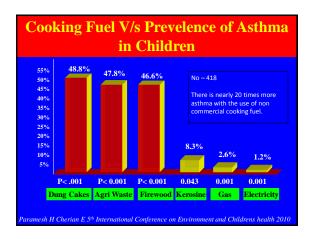


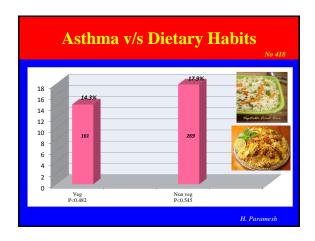


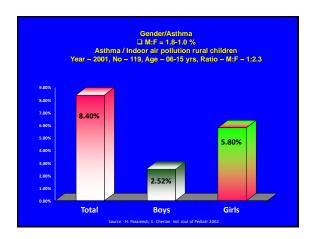


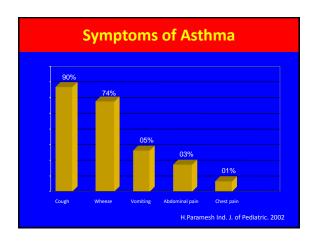




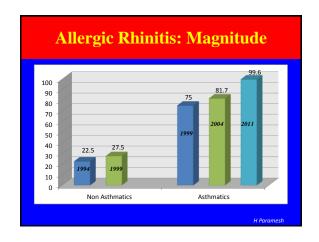


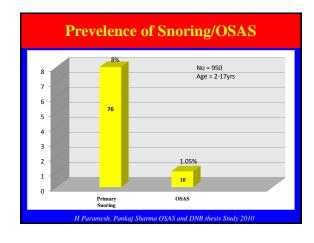


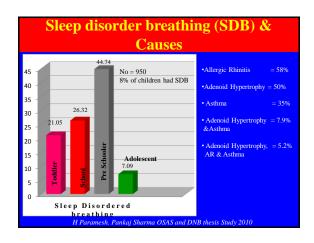




		-		_		
	Aero-biologicals			Irritants		
٠	Dust mite	•	50% 5000/g	٠	Cigarette smoke	- 6.0%
۰	Cockroach		25.00%		o 1999 o 2004	- 7.5% - 7.9%
۰	Fungi Pollens		07.50%	٠	Mosquito Coil	
۰	Pets		05.00% (2002) 05.7% (2010)	٠	° 2002 ° 2010 Other smokes	- 5.0% - 7.9%
٥	Viruses o RSV		40.00%	٠	Formaldehyde	
	o Para influenza o Corono o Adeno o Rhino			٠	Volatile organic compounds	
۰	Food		19.90%	Γ		







## **Challenges in Managing Asthma (ICON) Under 5 Yrs Adolescents** ■ Non Compliance Difficulty in Diagnosis ☐ No objective proof ☐ Girls hesitate to take Breathlessness, short of inhalers - marriage, breath, congestion, difficult to mother – in-law breath are not reliable to ☐ Psychosocial problem – suicidal tendency Consider other causes for ■ Restrict sports activity ☐ Efficacy safety of drugs ☐ Delivery system ☐ Difficult to predict response to a specific drug ☐ Symptoms may change with age

## Conclusion: Pediatric asthma is a major challenging health burden After a steady increase in prevelence for 2 decades there is slight decrease for the past 5 yrs However there is increase in persistent and persistent severe asthma High prevelence is noted in urban children, and in children from ill ventilated houses, heavy traffic schools, poor indoor air pollution, non vegetarians, and low income group Our aim should be for primary prevention and controlling the disease, while adopting the guidelines for the local needs.

