

Pediatric Influenza Immunization Coalition

National Influenza Vaccine Summit

April 19, 2007





NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Carol J. Baker, MD

President

National Foundation for Infectious Diseases
Bethesda, Maryland

Professor of Pediatrics

Molecular Virology & Microbiology

Head, Section of Pediatric Infectious Diseases

Baylor College of Medicine

Houston, Texas



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Establishing the Need for a *Pediatric Influenza Immunization Coalition*



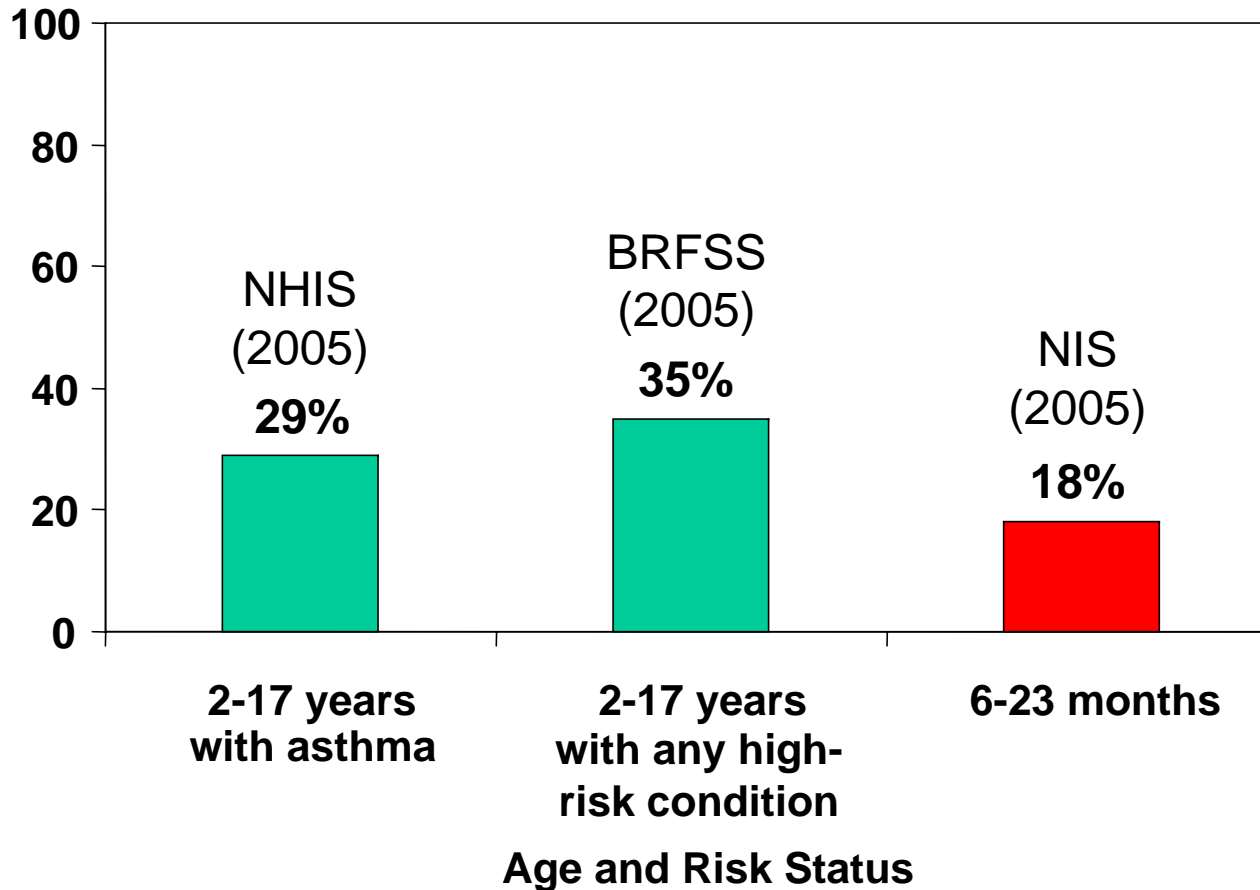
Pediatric Influenza Immunization: For the Protection of Our Children

- Infants and toddlers 6 to 23 months of age
 - Hospitalization rates comparable to persons = 65 years
- Children 24 to 59 months of age
 - Increased visits to clinics, hospitals or emergency departments with influenza-associated illnesses
- Children with underlying medical conditions (e.g., asthma, diabetes, cardiovascular disease, etc.)
 - Exacerbation of condition, increased morbidity
- Infants up to 6 months of age
 - Cannot be vaccinated themselves
 - Vaccinate **all** close contacts of young infants (up to 59 months)



Pediatric Influenza Immunization: Rates Need to Improve

Percent Vaccinated



CDC. *MMWR* 2007;56(09):193-196; CDC. *MMWR* 2005;54(12):304-307; CDC. *MMWR* 2006;55(39):1061-1065.



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Influenza-related Deaths Do Occur

AP Associated Press

February 20, 2007

**Flu season death toll reaches six
for Texas children**

Newsday

January 8, 2007

**Child dies from flu
complications**

Seattle Post-Intelligencer

February 8, 2007

**Flu kills girl, 7, in Kent
Symptoms soar at Seattle school
and at many others in the area**

PIONEER PRESS

(St. Paul, Minnesota) March 21, 2007

**Deaths of two more children
linked to flu**

Pediatric News

March 2007

**Flu-Related Death Toll Reaches 9
for U.S. Children**



Pediatric Influenza Immunization: For the Protection of Our Children

- Influenza-related deaths in children do occur
 - Largest number in recent seasons was 153 (2003-04)
 - 96 (63%) <5 years of age
 - 57 (37%) 5-17 years of age
 - 2004-05: 44
 - 2005-06: 48
- Computer models estimate that 92 U.S. children younger than 5 years die every year due to influenza
- Vaccination does not provide 100% protection, but skipping the vaccine guarantees no protection



Pediatric Influenza Immunization: Benefits Beyond the Individual

- Widespread immunization has potential to interrupt transmission to others
 - Children shed virus for longer periods and at higher titers
 - Outbreaks move from children to the community at large
 - Vaccination of Japanese school children reduced excess mortality (P&I, all cause) in older persons
- Increasing immunization rates now will help:
 - Create valuable infrastructure to support future expansions of pediatric influenza recommendations
 - Ensure delivery channels in the case of a future influenza pandemic



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Pediatric Influenza Immunization Coalition
The Power of “One Strong Voice”



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Pediatric Influenza Immunization Coalition Mission

Develop “**one strong voice**” from medical professional and patient/parent groups on the need to improve alarming low pediatric influenza immunization rates and to make immunization a public health priority



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Pediatric Influenza Immunization Coalition Invited Organizations

- **American Academy of Family Physicians**
- **American Academy of Pediatrics**
- **American Cancer Society**
- **American College of Obstetricians and Gynecologists**
- **American Diabetes Association**
- **American Heart Association**
- **American Lung Association**
- **American Medical Association**
- **Asian/Pacific Islander American Health Forum**
- **Asthma and Allergy Foundation of America**
- **Asthma & Allergy Network Mothers of Asthmatics**
- **Centers for Disease Control and Prevention**
- **Families Fighting Flu, Inc.**
- **Immunization Action Coalition**
- **National Association for the Education of Young Children**
- **National Association of Pediatric Nurse Practitioners**
- **National Association of School Nurses**
- **National Foundation for Infectious Diseases**
- **National Hispanic Medical Association**
- **National Medical Association**
- **Parent Teacher Association**
- **Parents of Kids with Infectious Diseases**
- **Society for Adolescent Medicine**



NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Pediatric Influenza Immunization Coalition Leadership

- **Richard H. Carmona MD, MPH**
Pediatric Influenza Immunization Coalition
Chair
 - 17th Surgeon General (2002-2006)
 - President, Canyon Ranch Institute's Center for Prevention and Health Promotion

- **Carol Baker, MD, NFID President**
 - Professor, Department of Pediatrics, Baylor College of Medicine
 - ACIP member, Associate Editor of AAP *Red Book*





NATIONAL
FOUNDATION FOR
INFECTIOUS
DISEASES

Pediatric Influenza Immunization Coalition
The Power of “One Strong Voice”