

## **Medical Conditions Associated with High Risk of Influenza Complications \* Children 5 – 18 Years of Age**

**\* The specific medical conditions below are examples and not an all inclusive list. Seasonal allergies and frequent episodes of middle ear infection are not included.**

**Children with significant medical conditions (respiratory, cardiovascular, endocrine, neurodevelopmental, etc.) are at increased risk of influenza complications and thus recommended to receive both pandemic H1N1 and seasonal influenza vaccine.**

### **Neurologic Disorders**

- Epilepsy
- Cerebral palsy
- Brain or spinal cord injuries
- Neuromuscular Disorders
  - Muscular dystrophy

### **Chronic Respiratory Disease**

- Asthma
- Cystic fibrosis
- Conditions associated with impaired pulmonary function and/or difficulty handling secretions
- Technology-dependent children, requiring oxygen, tracheostomy or ventilator

### **Developmental Disabilities, especially when associated with specific Neurologic or Chronic Respiratory Disease (see above)**

- Autism
- Developmental delay
- Down syndrome
- Intellectual disability (cognitive disability, mental retardation)

### **Autoimmune & Immunosuppressive Disorders and Therapy**

- Cancer
- HIV infection
- Lupus
- Transplants

### **Cardiovascular Disease**

- Congenital heart disease

### **Digestive & Hepatic Disorders**

- Crohn's disease
- Hepatitis

### **Endocrine Disorders**

- Diabetes mellitus

**Hematologic Disorders**

- Sickle cell disease
- Thalassemia
- Asplenia (functional and surgical)

**Metabolic Disorders**

- Mitochondrial disorders

**Musculoskeletal Disorders**

- Immobility

**Renal Disorders**

- Polycystic kidney disease
- Glomerulonephritis

**Rheumatologic Disorders**

- Juvenile rheumatoid arthritis

**Diseases Requiring Long-Term Aspirin Therapy**

- Rheumatoid arthritis
- Kawasaki disease