

American Academy of Pediatrics' Perspective on Home Antiviral Drug Stockpiling

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- **Non-profit professional organization of 60,000 primary care pediatricians, pediatric medical sub-specialists and pediatric surgical specialists**
- **Dedicated to health, safety and well-being of infants, children, adolescents and young adults**
- **AAP endorsement requires approval by Executive Committee and Board of Directors**

Home Stockpiling of Antivirals: Primary Issues for Children

- **Creating demand for an untested approach**
 - **Risks vs. benefits to individual and society**
- **Burden on families (e.g. economics)**
- **Burden on physicians/providers**
- **Public health implications**

Issues Unique to Children (1)

- **Safety: Medication errors**
 1. **Determining proper dose**
 - **Increases in weight**
 - **Possible increased dose recommendation for pandemic strain**
 2. **Liquid preparation**
 - **Having adequate amount for increased dose recommendations**

Issues Unique to Children (2)

- **Safety: Adverse events**
- **Underdosing**
 - 1. Reduced therapeutic effectiveness**
 - 2. Emergence of resistance**

Unresolved Issues for Children (1)

■ Inappropriate use of MedKit

1. During seasonal influenza

- For other respiratory illnesses
- For seasonal influenza

2. During pandemic influenza

- Treatment of other respiratory illnesses
- Treatment of pandemic influenza vs. prophylaxis
 - How will family use MedKit if one family member has pandemic influenza?

Unresolved Issues for Children (2)

- **Impact of allowing home stockpiling:**
 1. **On uptake**
 - \$70-100/person in household plus added cost of liquid formulation
 - Increased demand when pandemic occurs
 2. **On availability to families vs. stockpiling at local pharmacies or distribution sites in communities for use as needed**
 3. **On spread of influenza during a pandemic by enhancing social distancing**
 4. **On public health response (having adequate supply of antiviral agents for treatment and/or prophylaxis)**

Unresolved Issues for Health Care Providers of Children

- **Increased burden**
 - 1. Awareness/education**
 - 2. Time for discussion with parents**
 - Potential benefits/risks, side effects, etc.
 - Reimbursement?
 - 3. Providing use and dosing recommendations now and during pandemic**
 - 4. Change in provider**

AAP Recommendations

- **Develop a research agenda to address identified issues and outcomes of home stockpiling on children**
 1. **Risks vs. benefits**
 2. **Impact on:**
 - **Access to antivirals for all**
 - **Spread of pandemic virus**
 - **Individual vs. public health**
 - **Beginning of a pandemic**
- **Make decisions after development of evidence base**