



The Recent Advance in Respiratory Viral Illness

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Outlines

- **Influenza**
- **Respiratory syncytial virus**
 - : epidemiology
 - : pathogenesis
 - : clinical manifestations
 - : diagnosis
 - : treatment
 - : prevention

Influenza

Epidemiology

- 15 - 42 % of children become infect with flu/yr.
- Hospitalization (2003 - 2008)
 - <6 mo : 9-30 : 10,000 children**
 - 6 - 23 mo : 3-11 : 10,000 children
 - 2 - 4 yr : 1-4 : 10,000 children
 - 5 - 17 yr : 0.3-0.8 : 10,000 children
- 2004 - 2012: **43 % of children (died of influenza) didn't have a HR condition**
- MR is **↑** in children aged < 5 yrs (esp. < 6 mo)
- Bacterial coinfection increases the risk of death

Influenza Laboratory Surveillance Information
by the Global Influenza Surveillance and Response System (GISRS)

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Global circulation of influenza viruses

Number of specimens positive for influenza by subtype

