



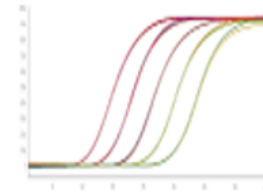
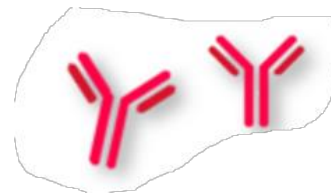
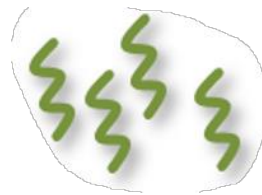
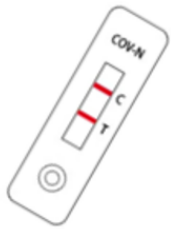
All the Rapid Tests to Use

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การประชุมใหญ่สมาคมโรคติดเชื้อในเด็กแห่งประเทศไทย ครั้งที่ 28 ประจำปี 2567
วันที่ 5 พฤษภาคม 2567

Rapid Diagnostic Tests (RDTs)

- A group of diagnostic tests categorized by **short** performance times provides results for making clinical decisions and enables **point-of-care** management.
- Designed by various **methods** to detect pathogen-specific **antigens**, **nucleic acid sequences**, and **antibodies** against certain pathogens



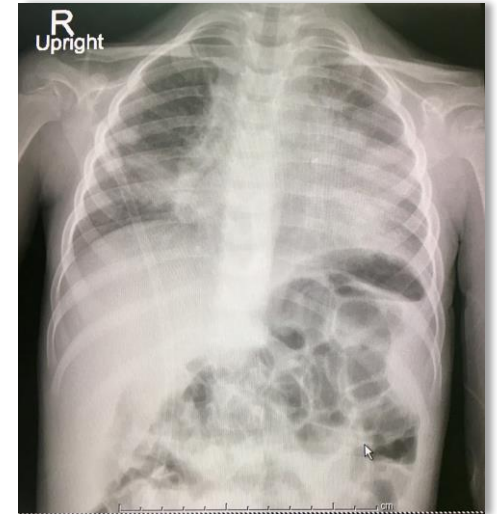
Case 1

1st visit

- **A 4-year-old boy presented with high fever, dry cough and rhinorrhea for 3 days.**
- No underlying diseases; complete EPI vaccine
- **History of COVID-19 3 months ago**
- BT 39.4°C, RR 20/min, PR 120/min, injected pharynx, swollen nasal mucosa
- Dx acute viral nasopharyngitis; symptomatic Rx

2nd visit

- **2 days later, he developed frequent cough and dyspnea**
- BT 40.3°C, RR 40/min, SpO₂ 95%, PR 137/min, suprasternal retraction, lung crepitation
- Dx acute pneumonia; **admitted to the hospital & lab investigation**



Additional information ?

Epidemiological risk: seasonality, outbreak, sick contact

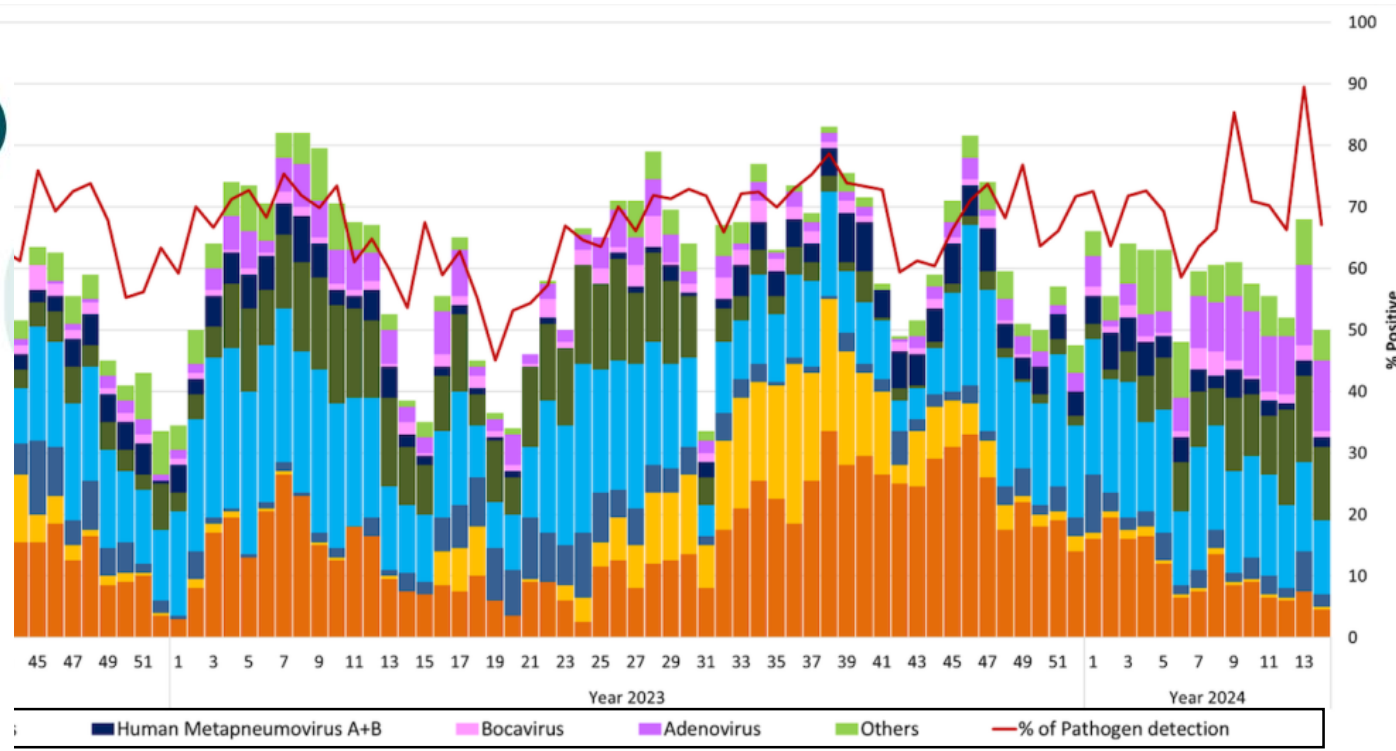


รายงานผลการเฝ้าระวังไข้หวัดใหญ่และเชื้อสาเหตุโรคติดเชื้อทางเดินหายใจ

เชื้อสาเหตุที่พบบ่อย สัปดาห์ที่ 39 - 42 (ระหว่างวันที่ 24 กันยายน - 21 ตุลาคม พ.ศ. 2566)

เชื้อสาเหตุแบ่งตามกลุ่มอายุ

Pathogens (N=460)	Total n (%)	Age group	
		Age < 5yr n=222 (48.2) n (%)	Age ≥ 5yr n=238 (51.7) n (%)
Influenza A/B	212 (46.1)	49 (22.7)	163 (69.7)
• Influenza A H1N1	67 (31.6)	15 (6.9)	52 (22.2)
• Influenza A H3	108 (50.9)	21 (9.4)	87 (36.7)
• Influenza B	36 (17.0)	12 (5.4)	24 (10.1)
Respiratory Syncytial Virus A+B	90 (19.6)	68 (30.6)	22 (9.2)
Rhinovirus/Enterovirus	60 (13.0)	46 (20.7)	14 (5.9)
Human Metapneumovirus A+B	41 (8.9)	27 (12.1)	14 (5.9)
SARS-CoV-2	36 (7.8)	10 (4.5)	12 (5.1)
Parainfluenza virus	8 (1.7)	4 (1.8)	4 (1.7)
Adenovirus	5 (1.1)	2 (0.9)	3 (1.3)
Bocavirus	8 (1.7)	4 (1.8)	4 (1.7)





Common Respiratory Viruses

	Influenza	RSV	COVID-19
Contagious period	Day -1 to Day 7	Day -2 to Day 8	Day -2 to Day 10
Incubation period	1 – 4 days	2 – 8 days	2 – 14 days
Typical presentations	Abrupt high fever, dry cough, myalgia, headache; subsequent RS symptoms	Begins with URI (rhinorrhea, pharyngitis, fever) +/- LRI (croup, bronchiolitis, pneumonia)	Sore throat, cough, malaise, fever, headache, congestion or runny nose, loss of taste or smell
Other manifestations	Abdominal pain, N/V, diarrhea, acute febrile illness	Less severity in recurrent infections and among older children; developing asthma later in life	Pneumonia at Day 5-8 after onset, abdominal pain, N/V, diarrhea, croup
Prevention	Vaccine	Monoclonal antibody Maternal vaccine	Vaccine