Child with respiratory or flu-like illness

Will results change clinical care of the patient or clinical practice for other patients?

YES

E.g. start or stop antimicrobials, assess need for prophylaxis, limit ancillary testing, decrease hospitalization

NO

Do not test

If only influenza virus is relevant

INFLUENZA VIRUS PCR
Detects Influenza A/B only
Mean turnaround time - 3 hrs
Cost $$
Nasal wash or NP swab

If any common pathogen (including influenza) is relevant

RESPIRATORY PANEL (FILM ARRAY)
Detects influenza A/B, RSV, parainfluenza 1-4, HMPV, adenovirus, rhinovirus, 4 coronaviruses, M. pneumoniae, C. pneumoniae, B. pertussis
Average time turnaround time - 3 hrs
Cost $$$$ 
Nasal wash, NP swab, tracheal aspirates, BAL