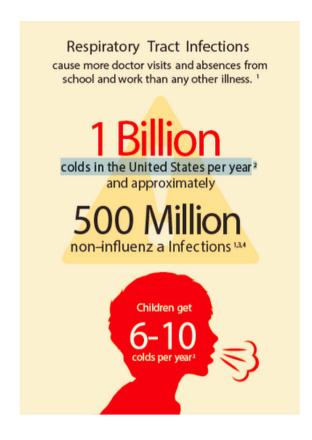


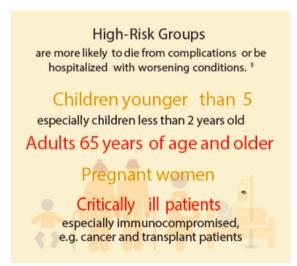


RESPIRATORY PATHOGEN PANEL

Personalized for the Patient. Rapid, sensitive, and multiplexed real-time PCR based detection of respiratory pathogens

The clinical presentation of respiratory pathogens is very similar, complicating diagnosis and appropriate therapy selection. Traditional diagnostic methods can be slow and miss the cause of infection.







- Upper Respiratory Infection (URI or Common Cold). Johns Hopkins Medicine. Retrieved from http://www.hopkinsmedicine.org/ healthlibrary/conditions/pediatrics/upper respiratory infection uri or common cold 90,P02966/ (Date accessed: May 2017)
- 2 The Common Cold Fact Sheet. National Institute of Allergy and Infectious Diseases, National Institutes of Health. December 2004.
- 3 Seasonal Influenza, More Information. Centers for Disease Control and Prevention. https://www.cdc.gov/flu/about/qa/disease.htm (Date accessed: May 2017)
- 4 Seasonal Influenza. European Centre for Disease Prevention and Control.
- 5 Flu Symptoms & Complications. Centers for Disease Control and Prevention. https://www.cdc.gov/flu/about/disease/complications.htm (Date accessed: May 2017)
- 6 Schreckenberger, P. and McAdam, A. (2015). Point-Counterpoint: Large Multiplex PCR Panels Should Be First-Line Tests for Detection of Respiratory and Intestinal Pathogens. J Clin Microbiol. 53(10):3110-5. doi: 10.1128/JCM.00382-15

Target	Classification (Genome Type)	Seasonal Prevalence*	Most Commonly Infected Demographic
Adenovirus (A-F)	Adenovirus (DNA)	Late winter to early summer ⁷	All ages, immunocompromised ⁸
Coronavirus (229E, HKU1, NL63, OC43)	Coronavirus (RNA)	Winter, spring ⁹	All ages ⁹
SARS-CoV-2	Coronavirus (RNA)	Unknown ⁴	Not established ⁴
Human Metapneumovirus	Paramyxovirus (RNA)	Winter ¹⁰	Children, elderly, immunocompromised ¹¹
Human Rhinovirus/ Enterovirus	Picornavirus (RNA)	Fall, spring12/ Summer13	All ages, immunocompromised12, 13, 14
Influenza A	Orthomyxovirus (RNA)	Winter3	All ages3
Influenza A H1			
Influenza A H1-2009			
Influenza A H3			
Influenza B			
Parainfluenza Virus 1	Paramyxovirus (RNA)	Fall15	All ages16
Parainfluenza Virus 2		Fall, early winter15	
Parainfluenza Virus 3		Spring, summer15	
Parainfluenza Virus 4		Fall, early winter15	
Respiratory Syncytial Virus A	Paramyxovirus (RNA)	Winter17, 18	Infants, children, older adults17, 18
Respiratory Syncytial Virus B			
Chlamydia pneumoniae	Bacterium (DNA)	No peak season19	All ages, most common in children19
Mycoplasma pneumoniae	Bacterium (DNA)	Late summer, fall20	Children, young adults21
Streptococcus pneumoniae	Bacterium (DNA)		