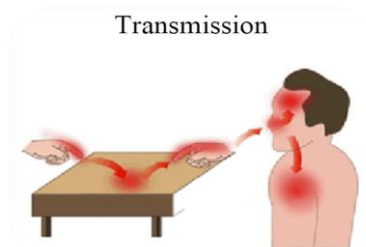


VIRUSES CAUSING RESPIRATORY TRACT INFECTIONS

Syndrome	Most common virus	Less common viruses
Coryza (common cold)	Rhinovirus, Coronavirus	Influenza, Parainfluenza enteroviruses, adenoviruses
Influenza	Influenza viruses A, B, C	Parainfluenza viruses Adenoviruses
Croup	Parainfluenza viruses	Influenza, RSV, adenoviruses
Bronchiolitis	RSV	Influenza, Parainfluenza, adenoviruses
Bronchopneumonia	Influenza viruses, Parainfluenza, adenoviruses	Parainfluenza viruses, Measles virus, CMV, VZV
Pneumonia	Influenza viruses A & B Adenoviruses Parainfluenza viruses	Rhinovirus, Hanta virus, CMV



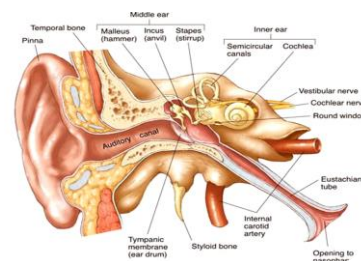
DIRECTLY
Infectious aerosol
contact with secretions



INDIRECTLY
contaminated surfaces



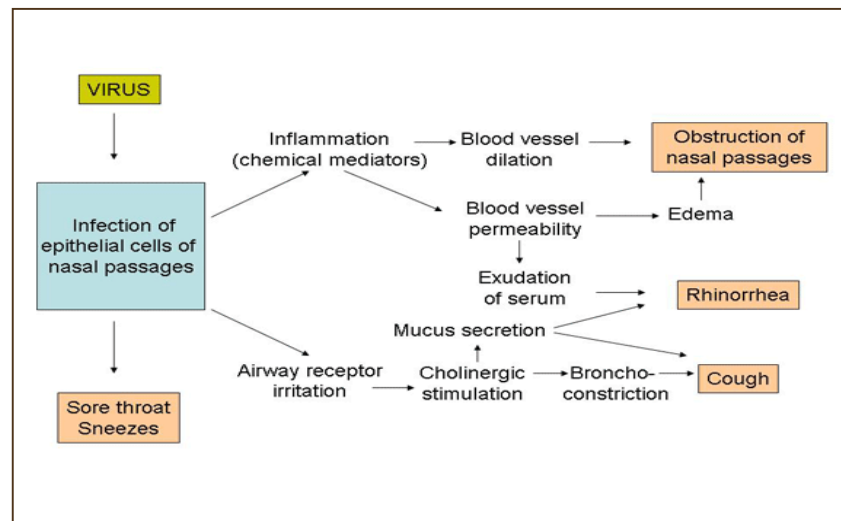
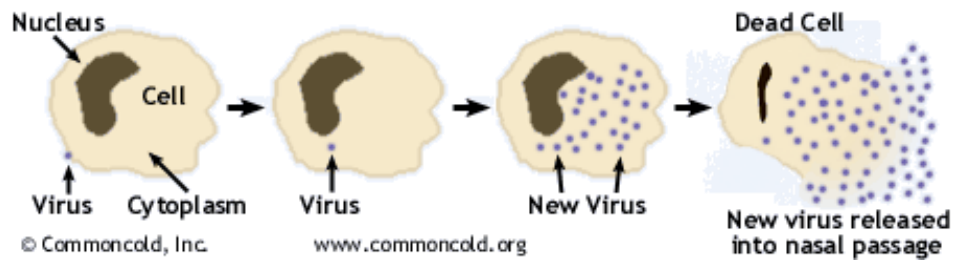
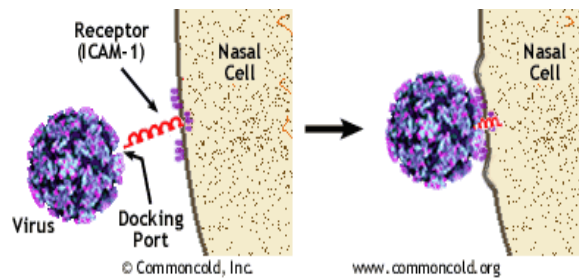
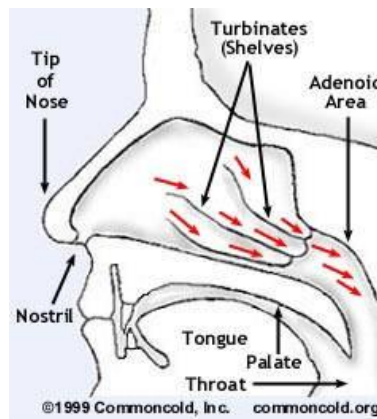
BLOOD



Spread through continuity

VIRUSES CAUSING RESPIRATORY TRACT INFECTIONS

COMMON COLD



Rhinovirus produces **lower respiratory tract infections** most commonly in

VIRUSES CAUSING RESPIRATORY TRACT INFECTIONS

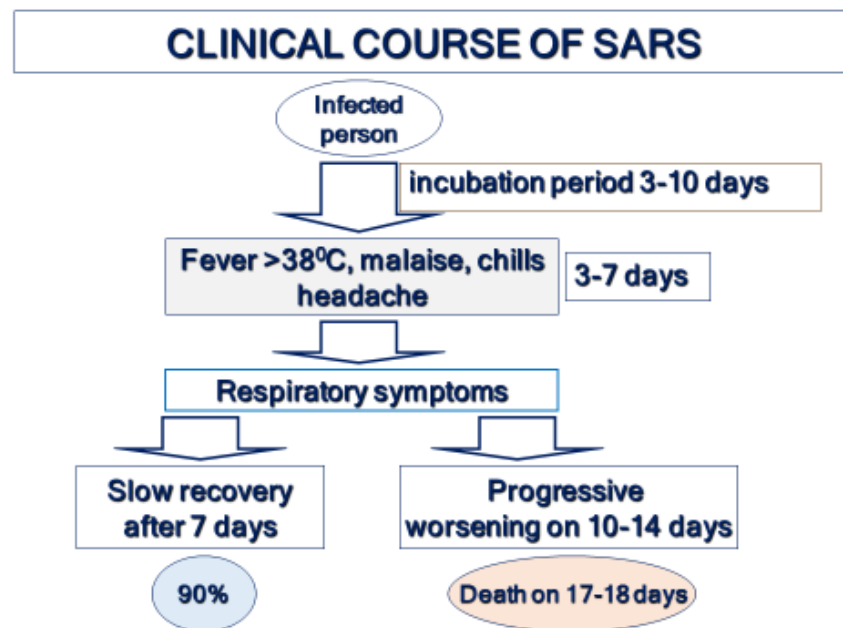
SARS = Severe Acute Respiratory Syndrome

SARS virus belongs to family of **RNA viruses**

They are important pathogens because: a)
b)
c)

Virus infectivity

Virus virulence

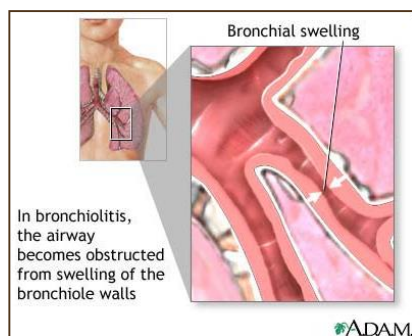


Endemic areas:

RSV = Respiratory Syncytial Virus – RNA virus

Most infections among

Life-threatening because



Complications

In elderly RSV frequently causes

Treatment

VIRUSES CAUSING RESPIRATORY TRACT INFECTIONS

ADENOVIRUSES – naked DNA viruses = consequence

Respiratory tract infections caused by Adenoviruses

-
-
-
-
-

Eye infections caused by Adenoviruses

-
-
-

Enteric and urinary tract infections caused by Adenoviruses

-
-

Infections caused by Adenoviruses in immunocompromised persons

-
-
-
-

ZIKA VIRUS enveloped RNA virus of Flaviviridae family

Transmission to humans via vector

Reservoir

Other non-vector-borne ways/routes of transmission to humans include:

.....

VECTOR means

VACCINES against respiratory viral infections:

.....