What is flu?



Flu (influenza) is a contagious viral respiratory infection. 1,2

Symptoms include:1,2



chills



fever



coughing



feeling unwell



muscle and joint pain



headache



sore throat



runny nose and fatigue



Flu is not like the common cold. Symptoms tend to be more severe, last longer and can potentially be life-threatening. It can cause mild to severe illness, and at times complications from flu can lead to death.^{1,2}

Flu is UNPREDICTABLE and more difficult to prevent than other infectious diseases.3

So the protection offered by a vaccine in a given season does not necessarily mean you are protected the next.3,4

What causes flu?

- Flu is caused by the influenza virus so antibiotics are not effective in treating it.
- · Most infections in humans are caused by 4 flu strains - 2 A subtypes and 2 B strains. 1,3,4

2 A subtypes:

A/H1N1

A/H3N2





2 B lineages: B/Yamagata





How do you get flu?



• Flu is highly contagious; it spreads easily and is especially common in autumn and winter

• The virus is passed on by:5,6



- Coughs
- Sneezes
- Close contact with others
- Contaminated surfaces

It can survive

on hard surfaces

for up to

days8



• Children may transmit the virus to others more than 7 days after infection.5



Who is most likely to catch **flu**

Flu can affect anyone, but certain groups are more at risk of developing complications:1,7



People over 65 years old About 90% of deaths associated with flu occur among adults 65 years and older²



Individuals with chronic heart, liver, kidney, respiratory, neurological, blood or metabolic diseases including diabetes or asthma



Pregnant women

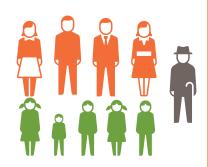
Children younger than 5 (especially younger than 2) years old



Healthcare workers

How many people get flu?

Every year around 5 million people are severely ill because of flu, and up to 500,000 people may die globally.1



 A typical infection can mean 3–6 days off work.8



Individuals with weakened immune systems due to conditions such as HIV or cancer



What helps to prevent flu?



According to the World Health Organization, the best way to try to protect yourself against seasonal flu is to get the annual vaccination.^{1,3}

Other ways to help protect include:9



Cover your mouth and nose when coughing or sneezing



Hand washing



Avoid close contact with others

How is pandemic flu different from seasonal flu?

Seasonal flu outbreaks occur annually.



An influenza pandemic can occur when a new, non-human flu virus manages to infect humans and spread among people around the world. As there will be little to no immunity against these new non-human influenza viruses, more people are likely to become ill.¹⁰



What should I do if I get seasonal flu?

Always consult a healthcare practitioner for medical advice



REFERENCES

¹ WHO. Factsheet no 211 – influenza (seasonal). 2014. Available at: www.who.int/mediacentre/factsheets/fs211/en/. Last accessed September 2015. ²US Centers of Disease Control and Prevention. Flu symptoms & severity. Available at: http://www.cdc.gov/flu/about/disease/symptoms.htm. Last accessed September 2015. ³ WHO. Report on Global surveillance of epidemic-prone infectious diseases. 2000. Available at:

http://www.who.int/csr/resources/publications/surveillance/Influenza.pdf. Last accessed September 2015. ⁵US Centers of Disease Control and Prevention. How flu spreads. Available at: http://www.cdc.gov/flu/about/disease/spread.htm. Last accessed September 2015. ⁶Bean B, et al. Survival of influenza viruses on environmental surfaces. J. Infect. Dis. 1982;146:47–51. ⁷US Centers for Disease Control and Prevention. People at high risk of developing flu–related complications. 2015. Available at: http://www.cdc.gov/flu/about/disease/high_risk.htm. Last accessed September 2015. ⁸Keech M, et al. The impact of influenza on working days lost: A review of the literature. Pharmacoeconomics. 2008;26: 911–924. ⁹US Centers of Disease Control and Prevention. Stopping the spread of germs at home, work & school. 2015. Available at: http://www.cdc.gov/flu/protect/stopgerms.htm. Last accessed September 2015. ¹⁰US Centers of Disease Control and Prevention. CDC resources for pandemic flu. 2015. Available at: http://www.cdc.gov/flu/pandemic-resources/. Last accessed September 2015.