

## Appendix 1: WHO Pandemic Phases

Phases as published by WHO in 1999	New Pandemic Phases 2005	Additional national subdivisions of new phases
<b>Interpandemic period</b> <b>Phase 0</b>	<b>Interpandemic Period</b> <b>Phase 1.</b> No new influenza virus subtypes have been detected in humans. An influenza virus subtype that has caused human infection may be present in animals. If present in animals, the risk <sup>a</sup> of human infection or disease is considered to be low	
	<b>Phase 2.</b> No new influenza virus subtypes have been detected in humans. However, a circulating animal influenza subtype poses a substantial risk <sup>a</sup> of human disease	Affected or extensive travel/trade links with affected country Not affected
<b>Phase 0.</b> Preparedness level 1: human case	<b>Pandemic Alert Period</b> <b>Phase 3.</b> Human infection(s) with a new subtype, but no human-to-human spread, or at most rare instances of spread to a close contact	Affected or extensive travel/trade links with affected country Not affected
<b>Phase 0.</b> Preparedness level 2: limited human transmission	<b>Phase 4.</b> Small cluster(s) with limited human-to-human transmission but spread is highly localised, suggesting that the virus is not well adapted to humans <sup>b</sup>	Affected or extensive travel/ trade links with affected country Not affected
<b>Phase 0.</b> Preparedness level 3: spread in general population	<b>Phase 5.</b> Larger cluster(s) but human-to-human spread still localised, suggesting that the virus is becoming increasingly better adapted to humans, but may not yet be fully transmissible (substantial pandemic risk) <sup>b</sup>	Affected or extensive travel/trade links with affected country Not affected
<b>Pandemic Period</b> <b>Phase 1.</b> Multiple countries <b>Phase 2.</b> Multiple regions  <b>Phase 3.</b> Subsiding in initially affected countries but not in other countries <b>Phase 4.</b> Next wave	<b>Pandemic Period</b> <b>Phase 6.</b> Pandemic phase: increased and sustained transmission in general population <sup>b</sup>	Not yet affected Affected or extensive travel/trade links with affected country Subsided Next wave
<b>Postpandemic period</b> <b>Phase 5.</b> Return to phase 0.	<b>Postpandemic period</b> Return to interpandemic period	Return to interpandemic period

New WHO pandemic phases (2005) compared with old WHO phases (1999), and national subdivisions of phases.

<sup>a</sup> The distinction between *phase 1* and *phase 2* is based on the risk of human infection or disease resulting from circulating strains in animals. The distinction would be based on various factors and their relative importance according to current scientific knowledge. Factors may include: pathogenicity in animals and humans; occurrence in domesticated animals and livestock or only in wildlife; whether the virus is enzootic or epizootic, geographically localised or widespread; other information from the viral genome; and/or other scientific information.

<sup>b</sup>The distinction between *phase 3*, *phase 4* and *phase 5* is based on an assessment of the risk of a pandemic. Various factors and their relative importance according to current scientific knowledge may be considered. Factors may include: rate of transmission; geographical location and spread; severity of illness, presence of genes from human strains (if derived from an animal strain); other information from the viral genome.; and/or other scientific information