

# Avian Flu

H5N1 Asia

Types A B and C

B & C not capable of genetic shift

Type A

Hemeagglutinin H1 – H16

Neurominidase enzyme N1 – N9

15 subtypes

H7N7 and H5N1 are dangerous

Change antigenic drift two genes –specific

Change antigenic sift different species

3 pandemics – Spanish Flue, 1957 Asian flu, Hong Kong flu

Avian flu incubation 3-7 days

LpA1 – respiratory, ruffled feathers, lower egg production

HPA1 – edema, hemorrhaging, death

1 gram – 1 million birds

Human – direct contact

Lab abnormalities, Lymphopenia, Leucopenia, Thrombactopenia, disseminated intravascular coagulation

Precautions

- wash hands

- gloves, gowns, dedicated equipment

- goggle or faceshield

N95, no air-recirculate