

### **C. Studies on Human Swine Influenza**

	<b>Project Title</b>	<b>Administering Institution</b>	<b>Year of Commencement</b>
<b>Public Health Epidemiology</b>			
PHE-2	The attack rate, transmission dynamics and viral evolution in a cohort of Hong Kong families during an epidemic of novel influenza virus (H1N1)	HKU	2009
PHE-21	A longitudinal community study of influenza virus infections in Hong Kong	HKU	2009
PHE-20	A detailed longitudinal study of infection attack rates among healthy adults in Hong Kong during the epidemic of the human swine influenza A/H1N1 virus in 2009	HKU	2009
PHE-1&10	Flagship Collaboration Project: Surveillance surveys on population-based responses to human swine influenza in Hong Kong	CUHK & HKU	2009
PHE-18	Exhaled air dispersion during application of common respiratory therapies at PWH clinical service block and PMH infectious diseases block	CUHK	2009
PHE-23	Preparedness and responses of at risk groups (frontline healthcare workers in community clinics, community outreach teams and elderly homes) to pandemic influenza in Hong Kong	CUHK	2009
PHE-24	Responsiveness of university students to influenza in Hong Kong	CUHK	2009
<b>Clinical Studies</b>			
CS-06	Multicentre, randomized, double-blinded, placebo controlled clinical trial comparing oseltamivir, zanamivir or placebo drug as the first line treatment for human swine influenza (H1N1)	CUHK, HA & HKU	2009

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	infection in designated flu clinics during the pandemic influenza in Hong Kong		
CS-07	Harvesting convalescent plasma for hyperimmune intravenous globulin production: A multicentre, randomised double-blind controlled trial for treatment of patients with serious S-OIV H1N1 infection	HKU	2009
<b>Laboratory Studies</b>			
Lab-3	Cellular pathogenesis of human swine influenza	CUHK	2009
Lab-11	Pathogenesis of human swine influenza virus and Streptococcus pneumoniae infection co-infection	HKU	2009
Lab-12	Antigenic epitope mapping of the new type A H1N1 influenza virus (swine flu)	HKU	2009
Lab-13	A feasibility study on the inhibition of swine influenza A virus H1N1 infection using siRNAs with a unique motif	HKU	2009
Lab-15	Pathogenesis of swine-origin influenza H1N1 virus (S-OIV) in humans: studies of viral tropism and host response in primary differentiated human respiratory epithelial cell cultures in vitro and in ex vivo.	HKU	2009
Lab-16	Molecular determinants that enable swine-like H1N1 influenza virus infection and transmission in humans	HKU	2009
Lab-17	A comparative study of NS1 proteins from avian, swine and human influenza A viruses	HKU	2009