

Table S1. MEDLINE search construct.

<i>PICO</i>	<i>MeSH thesaurus terms</i>	<i>Free text terms</i>
Population	immunosuppression immunocompromised host immunologic deficiency syndromes acquired immunodeficiency syndrome phagocyte bactericidal dysfunction HIV tuberculosis transplants stem cell transplantation neoplasms carcinoma lymphoma leukemia nutrition disorders malnutrition splenic diseases splenectomy steroids antineoplastic agents chemotherapy, adjuvant cytotoxicity, immunologic antirheumatic agents immunosuppressive agents	immunosuppress* OR immunosuppress* immunocompromis* OR immunocompromis* immun* AND deficien* immunodeficien* OR immunodeficien* immunoglobulin AND deficien* complement AND deficien* phagocyte AND dysfunction* HIV tuberculosis OR TB transplant* neoplasm* OR cancer carcinoma* lymphoma* leukemi* OR leukaemi* nutrition* AND disorder* malnutrition* asplenia steroid* OR corticosteroid* antineoplastic AND agent* chemotherap* cytotoxic*
Intervention	influenza vaccines viral vaccines vaccines, inactivated vaccines, attenuated	(influenza OR flu OR season* OR pandemic OR H1N1) AND (vaccin* OR immunis* OR immuniz* OR inoculat*) (inactiv* OR attenu* OR adjuvant*) AND (vaccin* OR immunis* OR immuniz* OR inoculat*) split AND vir* disrupt* AND vir*

	adjuvants, immunologic	surface AND antigen* AND inactivat*
	immunization	
Comparators	placebos	no AND (vaccin* OR immunis* OR immuniz* OR inoculat*) (placebo OR sham) AND (vaccin* OR immunis* OR immuniz* OR inoculat*)
Outcomes	influenza, human influenza A virus	influenza OR flu OR H1N1 (influenza-like OR flu-like) OR (influenza AND like) OR (flu AND like) AND illness OR ILI diagno* AND (influenza OR flu) intention-to-treat OR (intention AND to AND treat) OR ITT laboratory AND confirm* AND (influenza OR flu) (intention-to-treat AND influenza) OR (intention-to-treat AND flu) OR (intention AND to AND treat AND influenza) OR (intention AND to AND treat AND flu) OR ITTI
	hemagglutination inhibition tests	((haemagglutin* OR hemagglutin*) AND inhibit* AND anti*) AND HAI
	immunoglobulin G	(haemagglutin* OR hemagglutin*) OR HA AND (immunoglobulin G OR IgG) AND antibod*
	immunoglobulin A	(haemagglutin* OR hemagglutin*) OR HA AND (immunoglobulin A OR IgA) AND antibod*
	immunoglobulins antibody formation antibodies	
		(adverse AND event*) OR safe* OR (side AND effect*) or (adverse AND effect*) OR harm*