

An Integrated Needs-Based Approach to Health Service and Health Workforce Planning: Applications for Pandemic Influenza

Démarche axée sur les besoins intégrés pour les services de santé et la planification de la main-d'œuvre en santé : application à une pandémie d'influenza

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Appendix 2. Overall infection rate and severity distribution by pandemic

Proportion of the population expected to ...	Pandemic profile	
	2009 (H1N1)	1918 (H1N1)
Require vaccination	54%	70%
Become ill	15%	30%
Require outpatient care	7.50%	15%
Require in-patient care	0.04%	3%
Require intensive care	0.005%	0.50%
Die	0.0007%	0.60%

Note: The two profiles differ most in the proportions of the population requiring in-patient and intensive care, and in their mortality rates. As a result of the 1918 pandemic, an estimated 3% of the global population required in-patient care, 0.5% required intensive care and 0.6% died (Pike 2011). In contrast, during the most recent H1N1 influenza pandemic, only 0.04% of the Nova Scotia population was hospitalized because of H1N1, 0.005% required intensive care and 0.0007% died (Nova Scotia Department of Health 2010).