



MINNESOTA PANDEMIC INFLUENZA PLANNING ASSUMPTIONS<sup>1,2,3,4</sup>

U.S. POPULATION 2006 299,398,484 (ESTIMATE)	ILLNESS		OUTPATIENT MEDICAL CARE		HOSPITALIZATIONS		ICU CARE		MECHANICAL VENTILATION		DEATHS	
	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC
	30% OF POPULATION	30% OF POPULATION	50% OF ILL	50% OF ILL	1% OF ILL	11% OF ILL	15% OF HOSPITALIZED	15% OF HOSPITALIZED	50% OF ICU	50% OF ICU	0.23% OF ILL	2.1% OF ILL
	90,000,000	90,000,000	45,000,000	45,000,000	900,000	9,900,000	130,000	1,500,000	67,000	740,000	210,000	1,900,000

MN Population 2006 (2% OF US POPULATION)  5,231,106 (ESTIMATE)	ILLNESS		OUTPATIENT MEDICAL CARE		HOSPITALIZATIONS <b>12,000/16,000</b>		ICU CARE <b>1,200</b>		MECHANICAL VENTILATION <b>1,200</b>		DEATHS <b>38,000</b>	
	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC	MODERATE PANDEMIC	SEVERE PANDEMIC
	30% OF POPULATION	30% OF POPULATION	50% OF ILL	50% OF ILL	1% OF ILL	11% OF ILL	15% OF HOSPITALIZED	15% OF HOSPITALIZED	50% OF ICU	50% OF ICU	0.23% OF ILL	2.1% OF ILL
	1,570,000	1,570,000	785,000	785,000	16,000	173,000	2,400	26,000	1,200	13,000	3,600	33,000
Metro (53.9%) 2,821,779	850,000	850,000	425,000	425,000	8,500	93,100	1,300	14,000	650	7,000	2,000	17,900
Central (13.4%) 703,521	211,000	211,000	106,000	106,000	2,000	23,000	300	3,450	150	1,730	500	4,000
NE (6.1%) 321,177	96,000	96,000	48,000	48,000	1,000	11,000	150	1,650	80	800	220	2,000
NW (3.8%) 199,109	60,000	60,000	30,000	30,000	600	6,600	90	990	50	500	140	1,260
WC (3.6%) 186,484	56,000	56,000	28,000	28,000	560	6,200	84	930	40	465	130	1,180
SW (4.3%) 224,222	67,000	67,000	33,500	33,500	670	7,400	100	1,110	50	555	160	1,410
SC (5.5%) 288,258	86,000	86,000	43,000	43,000	860	9,500	130	1,430	100	720	200	1,810
SE (9.3%) 486,556	146,000	146,000	73,000	73,000	1,500	16,100	230	2,420	115	1,210	340	3,100

Figures in red represent: available/licensed beds, ICU beds (adult and pediatric), number of ventilators, number of deaths.

MINNESOTA PANDEMIC INFLUENZA PLANNING ASSUMPTIONS<sup>1,2,3,4</sup> (cont.)

MN Population 2006 (2% OF US POPULATION)	HOSPITALIZATIONS				
	500/Million BHPP Planning Statistic	TRIPLE 500/MILLION	QUINTUPLE (5 TIMES) 500/MILLION	MODERATE PANDEMIC (1% OF ILL)	SEVERE PANDEMIC (11% OF ILL)
<b>5,231,106 (ESTIMATE)</b>	2,600	7,800	13,000	16,000	173,000
Metro (53.9%) 2,821,779	1,400	4,200	7,100	8,500	93,100
Central (13.4%) 703,521	350	1,100	1,800	2,000	23,000
NE (6.1%) 321,177	160	480	800	960	11,000
NW (3.8%) 199,109	100	300	500	600	6,600
WC (3.6%) 186,484	93	280	470	560	6,200
SW (4.3%) 224,222	110	340	560	670	7,400
SC (5.5%) 288,258	140	430	720	860	9,500
SE (9.3%) 486,556	240	730	1,200	1,500	16,100

<sup>1</sup>These data are derived from the November 2005 HHS Pandemic Influenza Plan. Estimates were based on extrapolation from past pandemics in the United States. These estimates do not include the potential impact of interventions not available during the 20th century pandemics. Using demographic data from the Minnesota State Demographic Center, categorical data was scaled to the HHS data to provide regional and state data. Examples of MODERATE pandemics include the 1957 and 1968 pandemics. An example of a SEVERE pandemic is the 1918 influenza. A pandemic influenza that evolves from the current avian flu is predicted to be a SEVERE pandemic.

<sup>2</sup>Column totals do not necessarily equal the sum for the total population because numbers have been rounded.

<sup>3</sup>A pandemic outbreak will last about 6 to 8 weeks. The above data reflect the number of persons affected during this time frame.

<sup>4</sup>These data have been updated to reflect Minnesota 2006 population estimates. Previous hospital bed surge capacity data were calculated using the 2000 census and later, 2004 population estimates.