

INFLUENZA PANDEMIC ESTIMATES FOR DURHAM REGION

- Adapted from MOHLTC Plan for an Influenza Pandemic June 2005 (Appendix 1) and Meltzer MI, Cox NJ, Fukuda K, 1999a; 1999b.
- Durham Region population estimates based on 2004 estimates (from Canadian Census 2001).

POPULATION (NUMBERS AND DISTRIBUTION)					
	0-18 yrs	19-64 yrs	65+ yrs	Total	% Total
Non-high risk	141,716	304,196	33,868	479,780	85.18
High risk	9,689	51,173	22,578	83,440	14.81
Totals	151,405	355,369	56,446	563,220	100

DEATHS (NUMBER OF CASES)						
Gross attack rates				Distribution by age group (% of total): Most likely		
	15 %	25 %	35 %		% High Risk	% Total
0-18 yrs most likely	2	4	6	0-18 yrs	0	1
minimum	1	2	3			
maximum	33	55	77			
19-64 years most likely	111	185	259	19-64 yrs	47	54
minimum	16	27	37			
maximum	209	348	487			
65+ yrs most likely	93	154	216	65+ yrs	36	45
minimum	90	150	209			
maximum	115	191	268			
TOTAL: Most likely	206	343	481	Totals	83	100
Total minimum	107	179	249			
Total maximum	357	594	832			

HOSPITALIZATION (NUMBER OF CASES)						
Gross attack rates				Distribution by age group (% of total): Most likely		
	15 %	25 %	35 %		% High Risk	% Total
0-18 yrs most likely	42	71	99	0-18 yrs	1	4
minimum	21	35	49			
maximum	178	297	415			
19-64 yrs most likely	657	1,095	1,533	19-64 yrs	11	69
minimum	96	203	284			
maximum	717	1,195	1,673			
65+ yrs most likely	247	411	576	65+ yrs	16	26
minimum	176	294	412			
maximum	312	520	728			
TOTAL: Most likely	946	1,577	2,208	Totals	28	99
Total: minimum	293	532	745			
Total: maximum	1,207	2,012	2,816			

OUTPATIENT VISITS (NUMBER OF CASES)						
Gross attack rates				Distribution by age group (% of total): Most likely		
	15 %	25 %	35 %		% High Risk	% Total
0-18 yrs most likely	13,432	22,387	31,341	0-18 yrs	3	30
minimum	11,221	18,702	26,183			
maximum	15,643	26,071	36,499			
19-64 yrs most likely	27,420	45,700	63,979	19-64 yrs	8	61
minimum	19,687	32,812	45,937			
maximum	41,852	69,753	97,654			
65+ yrs most likely	4,382	7,303	10,224	64+ yrs	4	10
minimum	4,135	6,891	9,648			
maximum	6,802	11,336	15,871			
TOTAL: Most likely	45,234	75,390	105,544	Totals	15	101
Total: minimum	35,043	58,405	81,768			
Total: maximum	64,297	107,160	150,024			