PROJECTED TRIAGE CENTER NEEDS
7/10/06

PROJECTED ILLNESS RATE IN A COMMUNITY (DRAW AREA)
Total per 3 months: N (number of community or draw area members) x 0.333
Total first or second month: N1,3 = N x 0.02
Total second month: N2 = N x 0.3

PROJECTED HOSPITALIZATIONS
Total per 3 months: N x 0.006
Total first or third month: N x 0.0013
Total second month: N x 0.0034

PROJECTED DEATH RATE (D) (total per 3 months):
D = N x 0.0025

PROJECTED PEAK EXPECTED NUMBER OF PATIENTS PER TRIAGE SITE PER 24 hours (P):
(identical to a number of surgical masks, per day
Total per three months: Pt = (N x 0.333)x2.333 /d (number of days in a given month)
Total first or third month: P1,3 = N1,3 x2 /d
Total second month P2 = N2 x3 /d

PROJECTED MINIMAL STAFFING NEEDS (FTE) PER TRIAGE CENTER PER 12hour shift (S):
(round up to a full FTE for numbers less than 2; plan for peak morning/ daytime hours; center open 24 hours a day; plan for additional surge capacity by multiplying any given FTE result be a factor of 2-3; cumulative number of all staffing needs per day equals the number of N95 masks needed per day)

Law enforcement	Sle=	(P2 /12) /50
Crowd control	Scc=	(P2 /12) /25
Triage (front desk)	Str=	(P2 /12) /8
Nursing (direct care)	Snu=	(P2 /12 /10
Providers (direct care)	Spr=	(P2 /12) /30
Logistics /supplies	Slo=	P2 /100
Administration	Sad=	P2 /100
Phone	Sph=	(P2 /12) /50

EXAMPLE: How many FTE nurses will be needed for the Quincy Triage Center (George, Vantage area, Quincy, ½ Winchester area, Crescent Bar)?
Snu = (P2 /12) /10 = (((N2 x 3)/d)/12)/10 = N x 0.3 x3 /d /12 /10 =
= 12,000 x 0.3 x 3 /30 /12 /10 = 3.2 FTE (x2 for surge capacity)
=**6.4 FTE**

PROJECTED PEAK INTRAVENOUS FLUIDS (F) (1 liter bags PER DAY) NEEDS:
F = P2 x 0.034 (five times hospitalization rate x 2 bags)