

DIVISION OF STRATEGIC NATIONAL STOCKPILE



Mobile Preparedness Course POD Overview, Selection and Throughput



Purpose

To define the term “POD”, providing learners with an understanding of what it is, the selection process, and the goal for measuring POD performance



Selecting the Perfect POD

Site Selection

Selection Considerations



Points of Dispensing (POD)



POD Site Selection

Site Considerations



- Familiar Site
 - ✓ Voting locations, schools, malls, commercial
- Served by mass transit, within walking distance
- Adequate parking
- Geographically dispersed
- Security issues
- Availability of volunteer staff

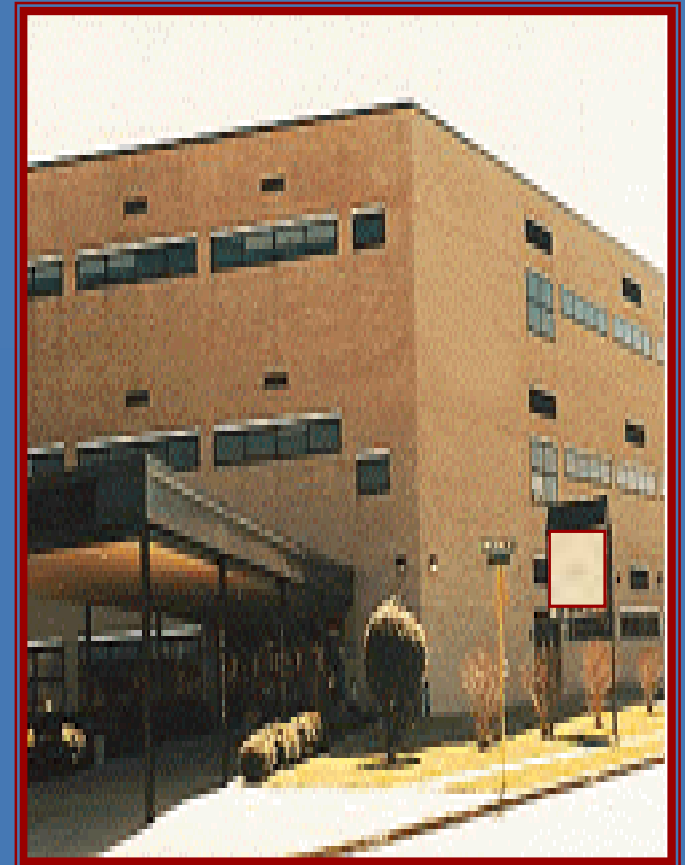


POD Site Selection

Site Considerations

How Large?

- ✓ Tucson, AZ 60,000 square foot facility
- ✓ NYC 18,000 square foot facility
- Site plan must be scaleable for small or large numbers
- Large vs. small



POD Site Selection

Site Considerations

How many?



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POD Site Selection

A simple formula...

$$H(s) = \int_0^{\infty} e^{-st} h(t) dt \quad C \frac{dV_{out}}{dt} = I_b \tanh\left(\frac{\kappa(V_{in} - V_{out})}{2}\right)$$



POD Site Selection

Site Considerations

$$TP / (HPP - S) / PPH = \# \text{ of PODs required}$$

TP = Total population

HPP = Number of hours to provide prophylaxis

S = Number of hours required to open PODs

PPH = Patients per Hour (Unknown, variable)



POD Site Selection

120 Hour Scenario

$TP / (HPP - S) / PPH = \# \text{ of PODs required}$

$\{435,000 / (120 - 20)\} / 500 =$

9 PODs required



POD Site Selection

48 Hour Scenario

$TP / (HPP - S) / PPH = \# \text{ of PODs required}$

$[435,000 / (48 - 12)] / 500 =$

24 PODs required



Questions

Thank You



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Activity



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