



Skills Station: Surge



Objectives

- Utilize the four primary support elements that contribute to surge efficiency and effectiveness
- Implement the various strategies that provide for contingency and crisis surge capacity for health care facilities

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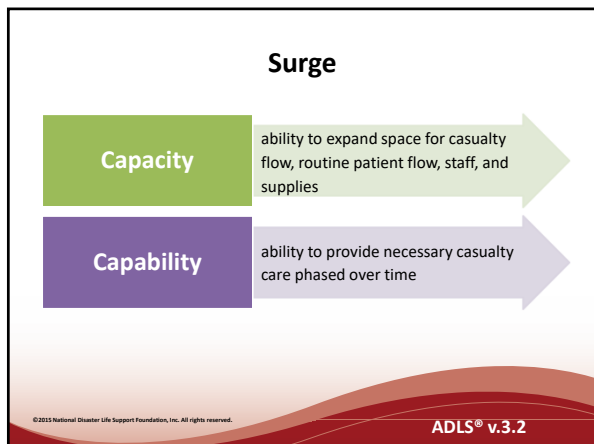
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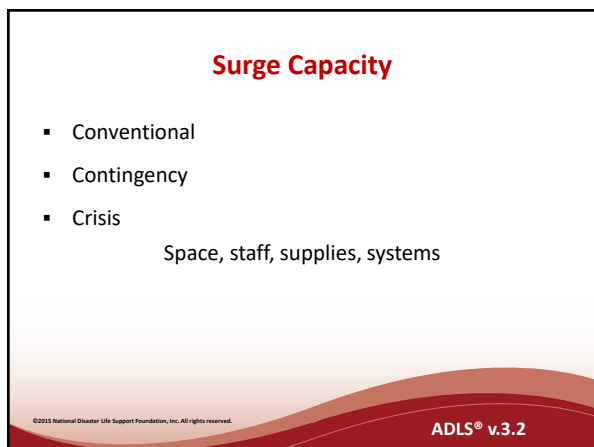
DISASTER

- D etection
- I ncident management
- S afety and security
- A ssess hazards
- S upport [surge]
- Triage and treatment
- E vacuation
- R ecovery

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Situation

- Afternoon explosion
- 2,000 casualties
- 200 dead
- Closest hospital
- Near-full capacity
- 500 beds
 - 100 ICU
 - 40 pediatric
- 20 OR, 20 PACU

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You have 10 minutes before first casualties arrive.

What are your priorities?

What are your goals?

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Special Considerations and Pitfalls

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Surge Capability Special Considerations

- Special needs populations:
 - Children
 - Elderly
 - Medical needs
 - Disabled
 - Access
 - Psychiatric
- Special casualty needs
 - Burn care
 - Critical care with ventilators

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Time-Limited Mass Casualty

- First wave: walking wounded and psychiatric arrive without EMS
 - Instant bottleneck
 - Security with redirected flow
- Second wave: critically injured arrive via EMS



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Minimize Hospital Contamination

- Secondary contamination risk
- Solutions:
 - Receive and screen casualties outside of ED
 - Decontaminate outside facility

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Outcome

- Total casualties = ???
- Critically injured = ??
 - Musculoskeletal
 - TM rupture
 - Blast lung
 - Head trauma
- Operations in 24 hours = ??

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Pitfalls

- Mass provider, media, or worried-well incidents
- Casualty flow bottlenecks
- Definitive, rather than phased care process
- No documentation (or over-documentation)

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Summary

- Four elements to surge capacity include:
 1. Space
 2. Staff
 3. Supplies
 4. Systems
- Manage surge demand and supply
- Drills identify and avoid pitfalls

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