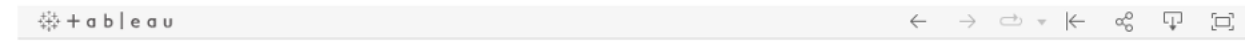


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# Tableau Navigation




Each screen of the Disaster Available Supplies in Hospitals (DASH) Trauma Supply Module (TSM) has a Tableau toolbar at the bottom of the screen.



Do not use the first four icons:



The remaining three icons provide the following functionalities:

- Click on the share icon  to send a link with your inputs to a colleague. You can also save the link in your browser so you may return to your work in progress at a later time.
- The download icon  allows you to download and save or print any screen.
- Click on the full screen icon  to view any page in full screen mode.

**NOTE:** Your browser settings may force the module to reset after a period of inactivity. If the module resets, you will need to re-enter your inputs. If you are not able to complete the entire module in one sitting, we encourage you to either:

- Click on the download icon after you pause, or
- Click on the share icon and bookmark the URL.

Additional details on both of these options may be found in the [How to Save Inputs and Results](#) section of these instructions.

For assistance using the DASH TSM, please contact [askasprtracie@hhs.gov](mailto:askasprtracie@hhs.gov) or 1-844-5-TRACIE.

# Initial Assessment

Inputs on the Initial Assessment Screen create the baseline numbers of *seriously injured* patients for which your hospital should plan to provide care following a mass casualty incident.

Please answer the following questions about your hospital's characteristics. Then click on the "Go to Airway / Respiratory Supplies" button to continue through the module.

Hospital Trauma Level  
2

Emergency Department Beds  
20

Is your hospital the primary regional receiving center for burn or trauma patients?  
No

Are natural disasters likely to isolate the hospital for days or longer?  
Yes

Based on your inputs, the TSM is preparing your hospital for **100** seriously injured patients.

[Go to Airway / Respiratory Supplies](#)

## 1. Input your hospital's descriptive information on the Initial Assessment screen.

### a. What is your hospital's trauma level?

- i. Select your hospital's trauma level from the dropdown box. Trauma designations should parallel American College of Surgeons (ACS) requirements Levels I-IV and American Trauma Society (ATS) for Level V relative to expectations for services provided.

### b. Emergency Department Beds:

- i. Enter your total number of usually operating emergency department (ED) beds (this does not include observation unit beds).
- ii. This may affect your predictions depending on your entry combined with your trauma level. Review the TSM Methodology for additional details.

The TSM sets a default number of seriously injured patients based on your selected trauma level with a modification in some circumstances as follows:

Hospital Factors	Default Number of Seriously Injured Patients
Level 1 and Level 2	50
Level 3	20
Level 4, Level 5, and Not Designated Hospitals	10
Exception: Level 4, Level 5, and Not Designated Hospitals with 20 or more ED beds	Default to the Level 3 numbers (20 trauma patients)

- c. Is your hospital the primary regional receiving center for burn or trauma patients?
  - i. Select yes or no from the dropdown box.
  - ii. If you answer yes, the TSM doubles your default patient numbers.
- d. Are natural disasters likely to isolate the hospital for days or longer?
  - i. Select yes or no from the dropdown box.
  - ii. If your facility is at risk for being isolated due to a natural disaster (e.g., earthquake or flooding) and unable to receive additional supplies for more than 48 hours, the TSM doubles your default patient numbers. This adjustment reflects a greater time needed for resupply rather than a greater number of patients. Note that the text at the bottom of the Initial Assessment Screen reflects an increase in patients rather than an extension of time due to limitations.

If your facility is the primary regional receiving hospital in the area and is at risk of isolation, the patient numbers cap at twice the initial value (they do not increase four-fold).

Based on your inputs, the TSM displays the total number of seriously injured patients on which the calculations are based.

Note this is the only screen with user inputs. The screens that follow display recommended quantities of supplies your hospital should have on hand based on your Initial Assessment inputs. The quantities displayed in the tables on the screens to follow cannot be adjusted. Community and regional caches may augment these supplies or provide for re-supply depending on your area plans. Hospitals may elect based on local risks and healthcare resources to adjust both the supplies stocked and casualties planned for. Note these supplies are available from a variety of vendors and are items that hospitals usually have in stock. The key issue is to ensure that stock (par) levels of the materials are sufficient.

**2. Click on the “Go to Airway/Respiratory Supplies” button to continue working through the module.**

# Airway/Respiratory Supplies Screen

This screen displays recommended quantities of airway/respiratory supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen, with the exception of the following:

- The quantity of ventilator circuits is three times your hospital's recommended number of portable ventilators.

NOTE: Screenshot does not display all products in this category due to the Tableau scroll bar.

Airway / Respiratory Supplies

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
Bag Valve Mask adult	0.5	100	50
Bag Valve Mask child	0.2	100	20
Bag Valve Mask infant	0.05	100	5
Connecting Tubing O2	1	100	100
Connecting Tubing Suction	1	100	100
ET Securing device	0.5	100	50
ET securing device - pediatric	0.1	100	10
ET Tubes 3	0.05	100	5
ET Tubes 4	0.05	100	5
ET Tubes 5	0.1	100	10
ET Tubes 6	0.1	100	10
ET Tubes 7	0.2	100	20
ET Tubes 7.5/8	0.4	100	40
Gum elastic bougie	0.5	100	50
Gum elastic bougie - pediatric	0.1	100	10
Heat moisture exchanger with HEPA filter	0.5	100	50
Laryngeal Mask / iGel size 1	0.05	100	5
Laryngeal Mask / iGel size 2	0.05	100	5
Laryngeal Mask / iGel size 3	0.1	100	10
Laryngeal Mask / iGel size 4	0.1	100	10
Laryngeal Mask / iGel size 5	0.1	100	10
Laryngoscope blade Mac 2	0.1	100	10
Laryngoscope blade Mac 3	0.25	100	25
Laryngoscope blade Mac 4	0.5	100	50
Laryngoscope blade Miller 1	0.05	100	5
Laryngoscope blade Miller 2	0.1	100	10
Laryngoscope blade Miller 3	0.1	100	10
Laryngoscope blade Miller 4	0.2	100	20
Laryngoscope handle standard	0.25	100	25
Magill Forceps adult	0.05	100	5
Magill Forceps child	0.05	100	5
Monitor CO2 disposable probe / colorimetric	0.5	100	50
Nasopharyngeal airway 6	0.1	100	10
Nasopharyngeal airway 8	0.1	100	10

The screenshot shows a Tableau interface with a scroll bar on the right side of the table. Navigation buttons (back and forward) are visible at the bottom right of the table area.

- Use the scroll bar next to the Quantity of Item Needed column to show the full list of supplies in this category.
- Click on the forward button to proceed to Intravenous Access/Medication Administration Supplies.

# Intravenous Access/Medication Administration Supplies Screen

This screen displays recommended quantities of IV access/medication administration supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen, with the exception of the following:

- The recommended number of rapid volume infusers and warmers is based on your hospital's trauma level. Five are recommended for Level 1 and 2 hospitals, two for Level 3 hospitals, and one for all other hospitals.
- The quantity of volume infuser tubing is five times your hospital's recommended number of rapid volume infusers and warmers.

NOTE: Screenshot does not display all products in this category due to the Tableau scroll bar.

Intravenous Access / Medication Administration Supplies

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
3 way tap & extension tube (IO/IV)	0.25	100	25
3cc 22G Safety Syringes 1.5"	1	100	100
3cc 23G Safety Syringes 1"	1	100	100
18G Safety Needles 1.5"	2	100	200
20G Safety Needles 1"	2	100	200
25G needles for injections 1.5"	2	100	200
ABG kit	1	100	100
Arm Board Infant	0.05	100	5
Arm Board Long	0.3	100	30
Arm Board Short	0.1	100	10
Arterial line kit	0.2	100	20
Arterial Line Tubing	0.2	100	20
Blood Admin Tubing	1	100	100
Blunt Plastic Cannula	4	100	400
Burette Tubing 60 drops	0.3	100	30
Butterfly 23GA	0.25	100	25
Butterfly 25GA	0.25	100	25
Chlorhexidine antiseptic prep pad	4	100	400
Disaster lab kit - blood (typenex) number, vacutaine..	3	100	300
Disposable Medication Reservoir	0.5	100	50

The screenshot shows a Tableau interface with a scroll bar on the right side of the table. Navigation arrows are visible at the bottom of the interface.

5. Use the scroll bar next to the Quantity of Item Needed column to show the full list of supplies in this category.
6. Click on the forward button to proceed to Wound Care/Hemorrhage Control supplies.

# Wound Care/Hemorrhage Control Supplies Screen

This screen displays recommended quantities of wound care/hemorrhage control supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen, with the following exception:

- Level 4, Level 5, and Not Designated Hospitals are not expected to have (but may choose to stock) laparotomy pads.

Note that you also need to complete the [Burn Supply Module](#) to calculate your total recommended wound care supplies.

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
ABD Pads / trauma dressings	0.5	100	50
Adhesive / First Aid Tape 2"	0.5	100	50
Adhesive bandage - large	2	100	200
Adhesive bandage - small	2	100	200
Dressings/Sponges, sterile 4x4	10	100	1000
Eye fox shield	0.2	100	20
Foam Tape 3"	0.25	100	25
Gauze ribbon	0.2	100	20
Laparotomy pad (e.g. 4x18in)	Trauma Level	100	500
Nasal tampons	0.2	100	20
Paper Tape 1"	0.75	100	75
Self Adhering Dressing (tegaderm) 4x4 or similar	0.5	100	50
Steri-strips 1/4 inch	0.5	100	50
Tourniquet arterial	0.5	100	50
Transpore/microspore tape	2	100	200

7. Click on the forward button to proceed to Surgical Supplies.

# Surgical Supplies Inventory Screen

This screen displays recommended quantities of surgical supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen, with the following exceptions:

- One precipitous delivery pack is recommended per hospital
- Level 4, Level 5, and Not Designated Hospitals are not expected to have (but may choose to stock):
  - » Cautery – electrocautery unit
  - » Cautery – pad/probe
  - » Surgical pack
  - » Surgical tray – amputation
  - » Surgical tray – laparotomy/major procedure
  - » Surgical tray – thoracic
  - » Surgical tray – vascular
  - » Traction pin insertion tray
- Only Level 1 and 2 hospitals are expected to have:
  - » Cranial burr hole tray
  - » Emergency/perimortem C-section pack
  - » Thoracotomy tray

NOTE: Screenshot does not display all products in this category due to the Tableau scroll bar.



### Surgical Supplies Inventory

Item	Number/Patient	Final Patient Calc Output	Surgical Output
Cautery - electrocautery unit	Trauma Level	100	15
Cautery - pad / probe	Trauma Level	100	15
Chest one-way valve / chest seal	0.25	100	25
Chest tube pigtail - catheter over wire	0.1	100	10
Chest Tubes 8F	0.05	100	5
Chest Tubes 10F	0.05	100	5
Chest Tubes 12F	0.1	100	10
Chest tubes 16F	0.1	100	10
Chest tubes 20F	0.3	100	30
Chest Tubes 24F	0.3	100	30
Chest Tubes 28F	0.2	100	20
Chest Tubes 32F	0.1	100	10
Chest/thoracic drainage kits & sets	0.5	100	50
Chlorhexidine (e.g. Hibiclen) Bottle 4oz	1	100	100
Cranial Burr Hole Tray	Trauma Level	100	1
Emergency/perimortem C-section pack	Trauma Level	100	1
Forceps Adson	1	100	100
Forceps Kelly curved medium	0.5	100	50
Forceps Kelly curved small (3 inch)	0.5	100	50
Forceps Kelly straight small (3 inch)	0.5	100	50
Irrigation sets (zerowet, canyon system, etc.)	0.5	100	50
Needle driver	1	100	100
Normal Saline Irrigation Solution 1000mL	1	100	100
Peritoneal Lavage Tray	0.05	100	5
Precip delivery pack (for peri-mortem delivery infant care)	Trauma Level	100	1
Providine/Iodine or Chlorhexidine Sivab Sticks	2	100	200
Scalpels, plastic with #11 blade	0.5	100	50
Scalpels, plastic with large blade (10,20, 25)	1	100	100
Skin Stapler	1	100	100
Sterile Basin large	0.3	100	30
Sterile Basin small	1	100	100
Sterile Towels / sterile drape small	1	100	100
Surgical airway tray (cric/trach)	0.1	100	10



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- Use the scroll bar next to the Quantity of Item Needed column to show the full list of supplies in this category.
- Click on the forward button to proceed to Musculoskeletal Supplies.

# Musculoskeletal Inventory Screen

This screen displays recommended quantities of musculoskeletal supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen.

NOTE: Screenshot does not display all products in this category due to the Tableau scroll bar.

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
Ankle Immobilizers	0.2	100	20
Backboard / Straps	0.1	100	10
Bandage Scissors	1	100	100
Bandage triangular	0.1	100	10
Cervical Collars child	0.2	100	20
Cervical Collars large	0.3	100	30
Cervical Collars medium	0.75	100	75
Cervical Collars small	0.3	100	30
Crutches small	0.1	100	10
Crutches standard adult	0.2	100	20
Head Hugger with straps	0.1	100	10
Knee Immobilizers small	0.1	100	10
Knee Immobilizers standard adult	0.2	100	20
Pelvic binder	0.1	100	10
Roller bandages elastic (ACE) 4"	2	100	200
Roller bandages elastic (ACE) 6"	2	100	200
Slings large	0.3	100	30
Slings medium	0.3	100	30
Slings small	0.2	100	20
Splints fiberglass, pre-padded 3" roll (15ft)	0.1	100	10
Splints fiberglass, pre-padded 4" roll (15ft)	0.3	100	30
Splints fiberglass, pre-padded 5" roll (15ft)	0.3	100	30
Splints plaster 5x30" sheet (box 50)	0.5	100	50
Splints plaster impregnated 4" roll (5yd)	1	100	100

10. Use the scroll bar next to the Quantity of Item Needed column to show the full list of supplies in this category.
11. Click on the forward button to proceed to Gastrointestinal/Genitourinary Supplies.

# Gastrointestinal/Genitourinary Supplies Inventory Screen

This screen displays recommended quantities of gastrointestinal/genitourinary (GI/GU) supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen.

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
Cath tip syringe 60mL	0.5	100	50
Feeding Tubes 5F	0.05	100	5
Feeding Tubes 8F	0.05	100	5
Foley catheter 12F	0.2	100	20
Foley catheters 8F	0.1	100	10
Foley catheters 10F	0.1	100	10
Foley catheters 14F	0.2	100	20
Foley catheters & urometers adult set	0.5	100	50
Lubricating Jelly	1	100	100
Nasogastric tube 10F	0.1	100	10
Nasogastric tube 12F	0.1	100	10
Nasogastric tube 14F	0.2	100	20
Nasogastric tube 16F	0.4	100	40

Navigation controls: < > + a b | e a u ← → ↺ ↻ ↶ ↷

12. Click on the forward button to proceed to Patient Personal Care supplies.

# Patient Personal Care Supplies Screen

This screen displays recommended quantities of patient personal care supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen.

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
Belonging Bag	2	100	200
Gowns, Disposable/Other	2	100	200
Re-robe/modesty suits	0.5	100	50
Towels - cloth, washable	1	100	100
Towels - Paper roll / box	0.2	100	20
Washcloth - fabric, washable	2	100	200
Wipes box	0.1	100	10

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13. Click on the forward button to proceed to Additional supplies.

# Additional Inventory Screen

This screen displays recommended quantities of other supplies your hospital should have on hand. The quantity needed is based on the number of seriously injured patients calculated from your inputs on the Initial Assessment Screen.

Item	Number/Patient	Total Seriously Injured Patients	Quantity of Item Needed
All purpose basin plastic non-sterile	1	100	100
Blanket - emergency/space	1	100	100
Blanket - washable, thermal	1	100	100
Body Bags	0.2	100	20
Bottled Drinking Water	2	100	200
Broselow tape (or similar dosing chart)	0.05	100	5
Carry sheet / canvas	0.2	100	20
Clinical waste ('red') bag	2	100	200
Eyewash bottles	0.2	100	20

[Return to Assessment](#)

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## 14. Choose your next step.

- Download to print or save your results by clicking on the download icon on the Tableau toolbar.
- Share your results with a colleague or save the link to your results by clicking on the share icon on the Tableau toolbar.
- Click on the “Return to Assessment” button to adjust your initial inputs about your hospital’s characteristics.
- Complete the [Hospital Pharmacy](#) and [Burn Supply](#) Modules to estimate amounts of complementary pain and other medications and additional wound care supplies.

NOTE: You CANNOT save the values you enter in the module itself; we encourage you to save or print your results by using the download options or saving the shared link in your browser favorites. If you pause for too long your computer may “time out” based on its internal settings and your entries will be lost. Additional details are available in the [How to Save Your Inputs](#) and Results section. Make sure to download or save your shared link before exiting the TSM as all inputs will be reset when you return to the module.

# How to Save Inputs and Results




User inputs and calculated outputs CANNOT be saved within the module. However, you have two options for saving your inputs and results. Once you have completed your session or if you have concerns about the module timing out, you should download or share to record your work.

## Downloading

- Click the download icon in the Tableau toolbar at the bottom of any screen. Once selected, a pop-up box will allow you to select your desired format.
  - » Image: Allows users to download and save an image of the current screen in .png format.
  - » Data: Allows users to download and save a table with the contents of the current screen.
  - » Crosstab: Allows users to download and save data on the current screen in Excel or CSV format.
  - » PDF: Allows users to select all or a portion of the displayed data to download and save in PDF format.
    - “This View” will download a mirror image of the current screen.
    - “Specific sheets from this dashboard” allows the user to click on specific portions of the current view to be selected for downloading. A “Select All” option is also available.
    - “Specific sheets from this workbook” allows the user to click on miniature versions of any screen from the module to be selected for downloading. A “Select All” option is also available.
    - Most users will prefer to choose “Specific sheets from this workbook” to download some or all sheets.
  - » PowerPoint: Allows users to select all or a portion of the displayed data to download and save in a PowerPoint presentation. The download options are the same as for PDFs.
  - » Tableau Workbook: Allows users with access to Tableau Desktop to download the workbook.
- The download option will be preferable for users who want to have a copy of their results for future reference and do not expect to return to the module to make frequent changes.

## Sharing

- Click the share icon on the Tableau toolbar at the bottom of any screen. Once selected, a pop-up box will appear:
  - » Select “Current View” to capture your inputs and results.
  - » Copy (CTRL + C) the URL in the box under “Link” and save it as a favorite in your browser or another location.
  - » Paste (CTRL + V) the URL into a browser address line to return to the module at the point where you left it.
- If you make additional changes to your inputs, you must repeat this process to capture your current view. You must copy and save the most recent URL to ensure you return to your most current data.

- The share option may allow for collaboration among members of your hospital's planning team as long as the same URL is used by one person at a time. For example, the hospital emergency manager may complete the Initial Assessment screen then share the current view URL with the trauma program manager. The trauma program manager would then repeat the share process and send the new URL to the hospital emergency manager.
- Note the additional three sharing icons:    |
  - » The email icon can be used to share the URL via Outlook. You may want to email the URL to yourself for easy access at a later time. You may also want to email the URL to other members of your team to collaboratively work through the TSM.
  - » While you can share the URL via social media, we do NOT recommend sharing facility-specific information.

**NOTE:** Each time the share icon is used it generates a different URL. If the hospital emergency manager shares the URL with the trauma program manager and the procurement manager and each of them makes entries and shares their current view with the emergency manager, there will be three different versions of the results. To avoid confusion, only one user at a time should work in the TSM.

- The share option will be preferable for users who plan to return to edit previous entries, but users must generate a new URL through the share option to capture those changes.