



United States Department of
Health & Human Services

Emergency Preparedness Medical Counter Measures: Blood Support

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Senior Advisor for Blood Policy

www.hhs.gov/bloodsafety

Figure HP-2. Allogeneic Whole Blood and Red Cell Collections and Transfusions, 1989 - 2004

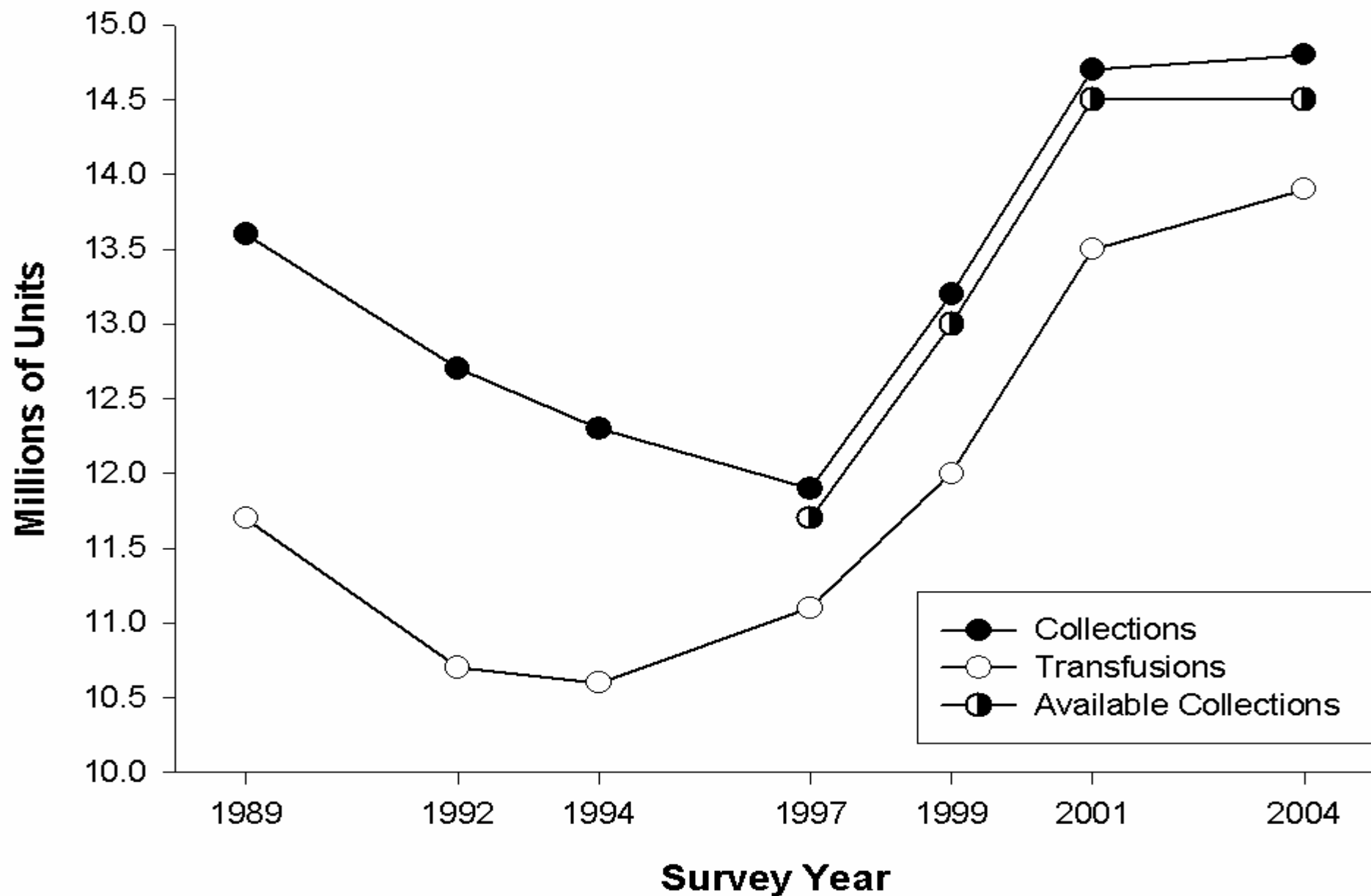
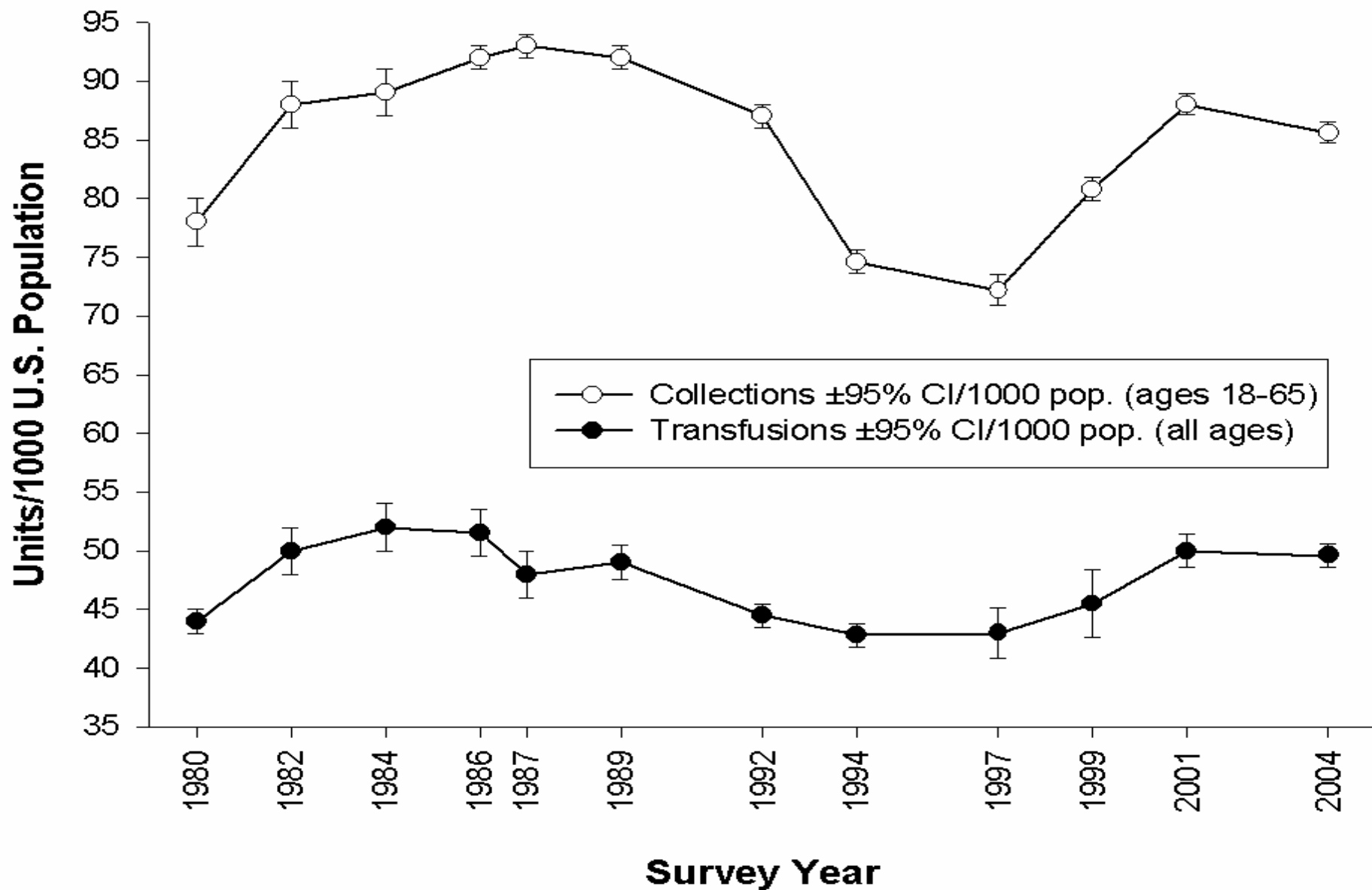


Figure HP-4. Trends in Estimated Rates of U.S. Blood Collection and Transfusion, 1980 - 2004



ESF #8 Public Health and Medical Services Annex

- ESF Coordinator: DHHS
- Primary Agency: DHHS
- Support Agency: Departments and Federally Chartered Agencies

- Blood mentioned
 - Page 5
 - Page 7
 - Page 14

ESF #8 Public Health and Medical Services Annex

■ Support Agency:

- Dept of Agriculture
- Dept of Defense
- Dept of Energy
- Dept of Homeland Security
- Dept of the Interior
- Dept of Justice
- Dept of Labor
- Dept of Transportation
- Dept of Veterans Affairs
- US Agency for International Development
- Environmental Protection Agency
- General Services Administration
- US Postal Service
- American Red Cross

ESF #8

ESF #8, when activated, is coordinated by the Assistant Secretary for Preparedness and Response (ASPR) through the HHS Secretary's Operation Center

ESF #8 Public Health and Medical Services Annex

- Blood support is responsibility of ASH
- Coordination with AABB
Interorganizational Task Force on Domestic Disasters and Acts of Terrorism
 - Level I Participants
 - Level II Participants
- ARC is for disaster response and blood activity is coordinated with AABB TF through HHS

ESF#8

Blood and Blood Products

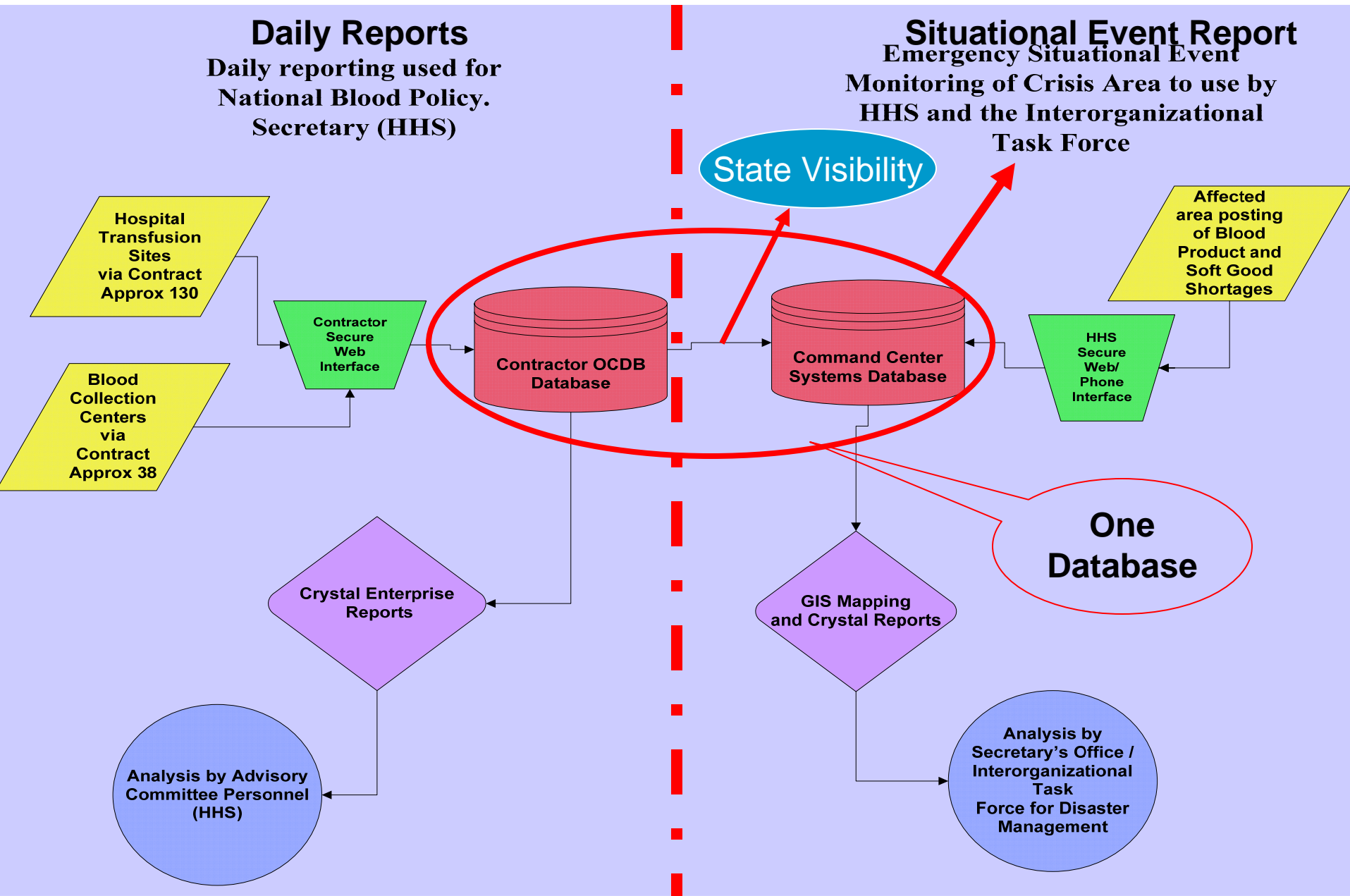
“HHS monitors blood availability and maintains contact with the American Association of Blood Banks Inter-organizational Task Force on Domestic Disasters and Acts of Terrorism and, as necessary, its individual members to determine:

- The need for blood, blood products, and the supplies used in their manufacture, testing, and storage.
- The ability of existing supply chain resources to meet these needs; and
- Any emergency measures needed to augment or replenish existing supplies.

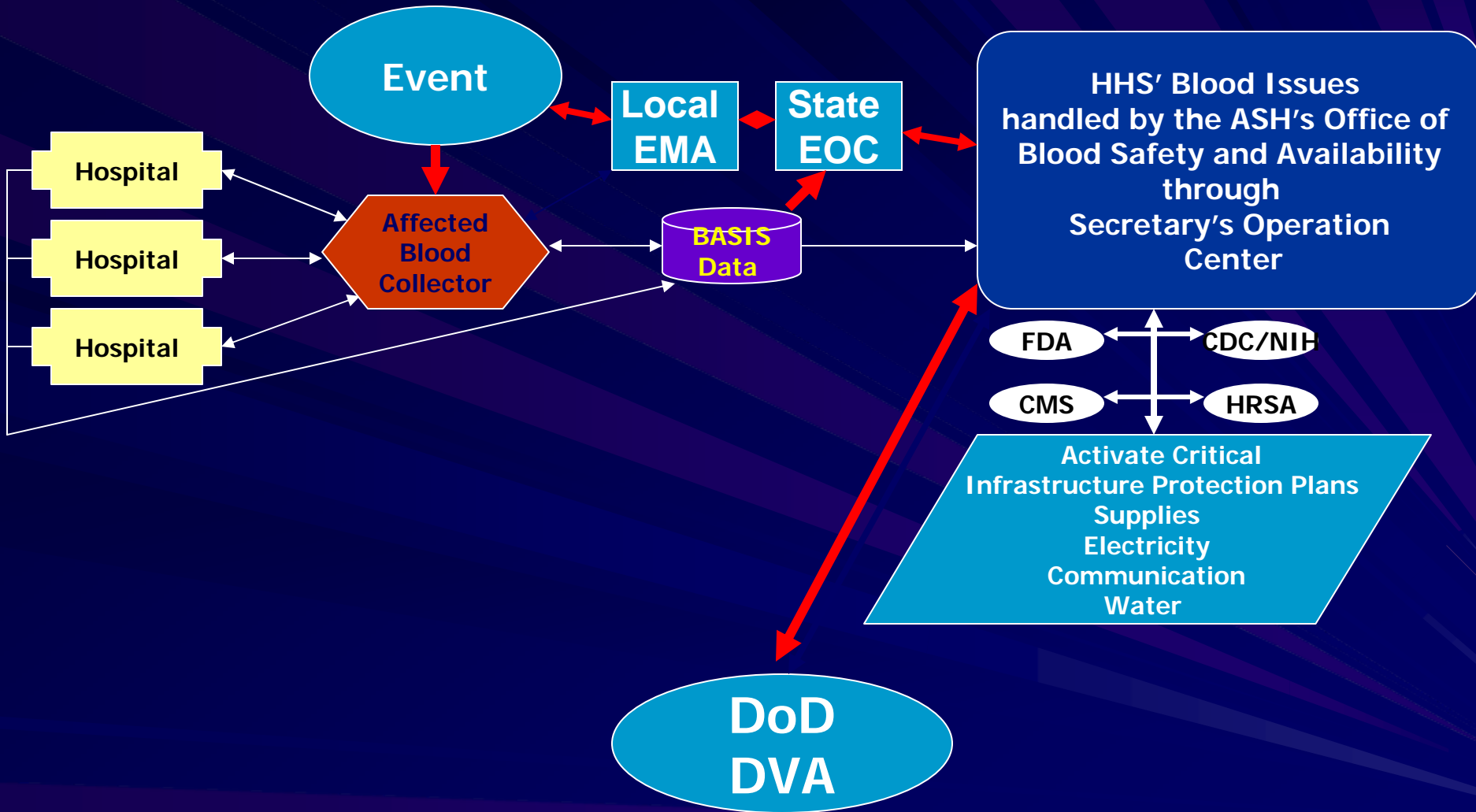
Critical Incident Response

Daily Reports
Daily reporting used for
National Blood Policy.
Secretary (HHS)

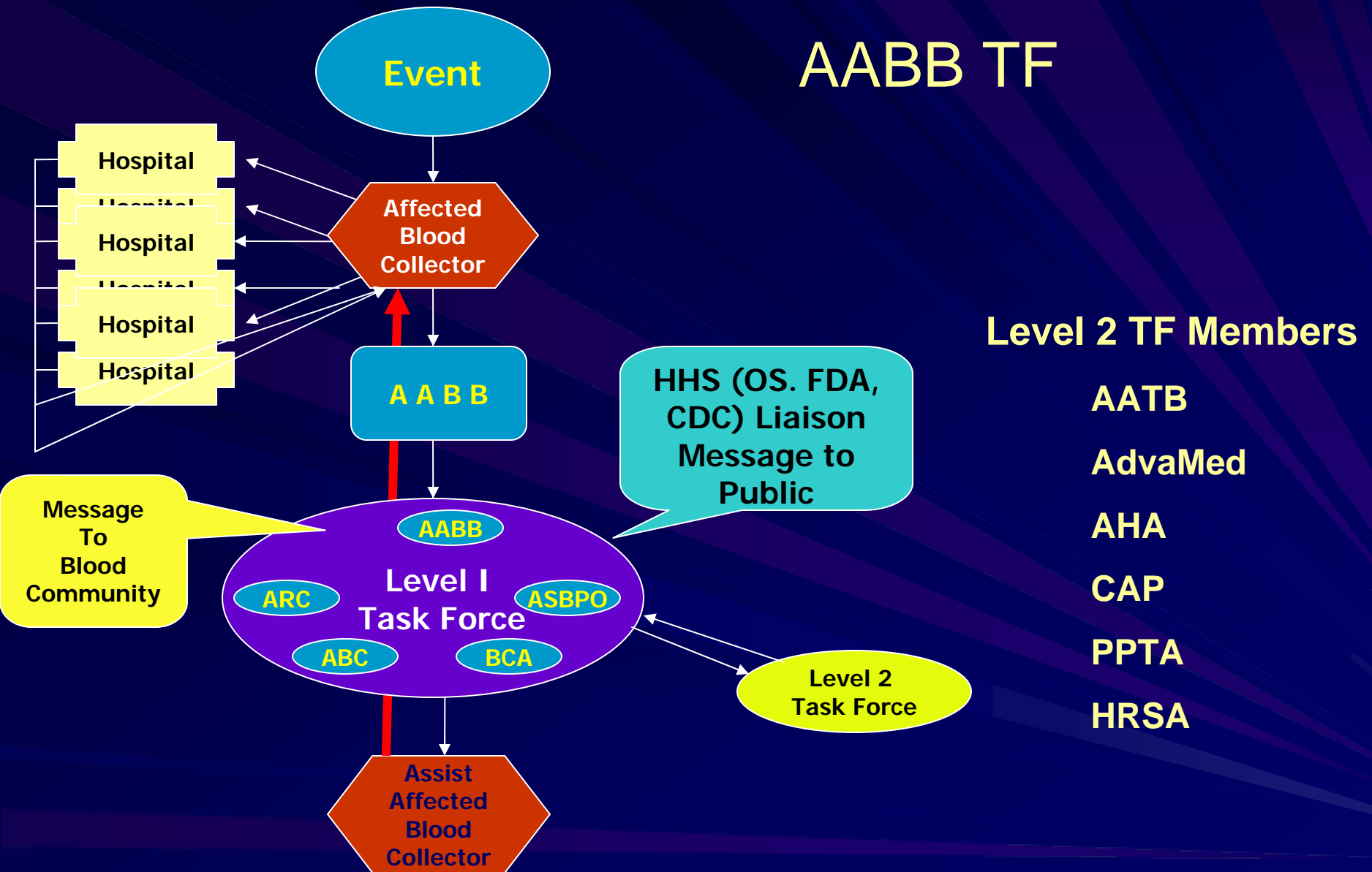
Situational Event Report
Emergency Situational Event
Monitoring of Crisis Area to use by
HHS and the Interorganizational
Task Force



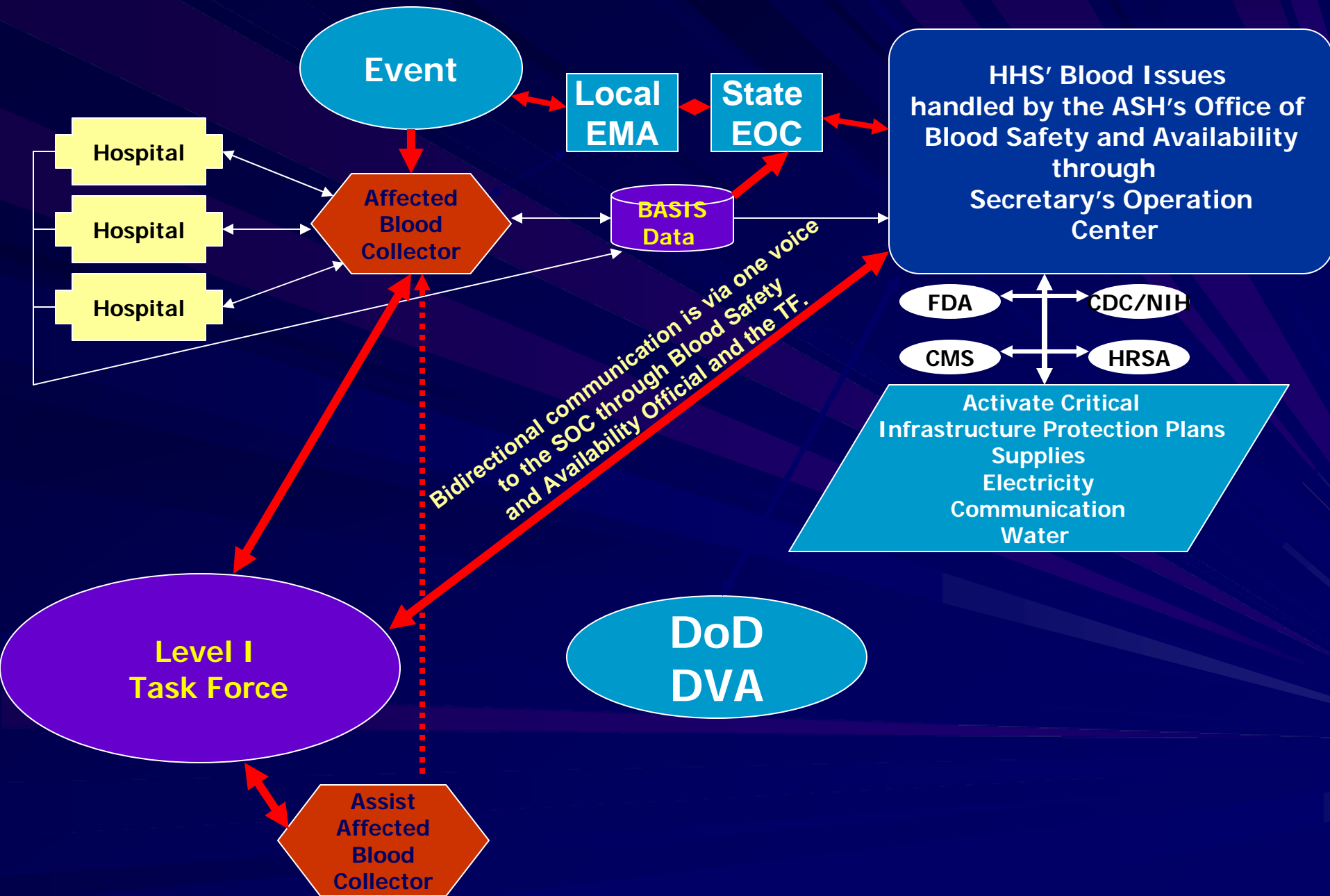
DHHS Response



AABB TF



DHHS Response



Blood Availability and Safety Information System (BASIS)

Monitors Supply & Demand

NOT

**to interfere with day-to-day operations and
decisions of blood centers, hospitals
and/or community transfusion centers.**

BASIS

- BASIS tracks:
 - Quantitative data on blood supply/demand
 - Quantitative data on platelet supply/demand
 - *Qualitative* supply and demand chain events
- BASIS uses weight values:
 - Hospital (DOS, platelet therapeutic dose)
 - Blood Centers (DOS)
 - Statistical sampling
- BASIS design being validated with HHS funded national survey tool (NBCUS)
- Hardware / Software at HHS (SOC)
 - GIS component

Qualitative Data Elements

- Was surgery delayed?
- Was an order not filled completely?
- Was blood product purchased from an alternate supplier?
- Was a non-standard protocol used in patient care because of the shortage?
- Was a routine transfusion practice ignored or altered because of a shortage?
- Was a surgery or therapy canceled ?

BASIS

Blood Availability and Safety Information System

The **BASIS** program is designed to be a tool for local blood centers and hospitals to track their inventory while providing a unique ability to monitor the supply and demand by States' Emergency Operation Centers and Public Health Regions during a disaster. Each facility's identity is secure and not visible by other participants enrolled in the system unless designated by a local memorandum of understanding.

Your participation in **BASIS** is critical to the State Department of Health and the Department of Health and Human Services to monitor the Nation's blood inventory in light of national disasters and patient/donor safety policies.

Accreditation and certification of data maintained in **BASIS** is pending protection under the Protection of Critical Infrastructure Information (PCII) act.

Please contact the Department of Health and Human Services
(<http://www.hhs.gov/bloodsafety>)
for more information about BASIS.

Blood Center Input

Leading America to Better Health, Safety and Well-Being

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Input Data

> [Input Data](#)
> [Upload CSV File](#)

Facility: Input/Edit Data For:

QUANTITATIVE DATA

Category	WBU Total	Red Blood Cells			Platelets	
		Apheresis	Total All Types	O+	O-	WBD
Collections	<input type="text" value="750"/>	<input type="text" value="0"/>				<input type="text" value="0"/>
Inventory			<input type="text" value="450"/>	<input type="text" value="75"/>	<input type="text" value="85"/>	<input type="text" value="0"/>
Production			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Distribution to Hospitals			<input type="text" value="41"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Wastage			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Outdating			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Returns			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Exports to Other Locations			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Imports from Other Locations			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

SHORTAGE DATA

Action Taken Because of Shortage	Red Blood Cells	Platelets
Was a delivery delayed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were inventories of blood products below minimal established levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Was an order not filled completely?	<input type="checkbox"/>	<input type="checkbox"/>
Was blood product purchased from an alternative supplier?	<input type="checkbox"/>	<input type="checkbox"/>

DATA DOWNLOAD

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Export Data

To download data please fill out the following details. Fields marked with (*) are required

Facility Type Facility State

Please Check the Facility Types to Export:

- Hospital
- Blood Center
- Hospital With Blood Collection
- Blood Center With Transfusion
- Other

Enter the date range for downloading inventory data.

From (mm/dd/yy):*

To (mm/dd/yy):*

Inventory Data Type:*

Quantitative Shortage

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Input Data

[> Input Data](#)

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Import Data from File (CSV Import)

File Location:

Inventory Data Type: Quantitative Shortage

GEOGRAPHIC REPORTS



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Blood Inventory Report | Shortage Reports | System Performance Reports | Report Preferences | Help Manual For Reports

Blood Inventory Report

- > [Type Aggregate Report](#)
- > [Type Specific Report](#)
- > [Days of Supply Report](#)
- > [Tabular Blood Status Report](#)
- > [Weighted Tabular Blood Status Report](#)

> [Choose Geographical Region](#)

- > [Choose Facility](#)
- > [Choose Blood Categories](#)
- > [Choose Blood Component](#)
- > [Choose Days Of Inventory](#)
- > [Choose Moving Average](#)
- > [Finished](#)

Tabular Blood Status Report

Choose Geographical Region

- Nation
- Region
- East MidWest Other South West
- USPHS Region
- REGION I REGION V REGION VIII
- REGION II REGION VI REGION IX
- REGION III REGION VII REGION X
- REGION IV

NEXT ▶

TABULAR REPORT

- [Shortage Report \(with Historical Avg.\)](#)
- [List of Facilities with Shortages](#)
- [Shortage Trends](#) ▶

Input/Change Data For:

Shortage Report for 7/31/2007

⏪
◀
 of 1
 ▶
⏩

Export

Nation

Indicator of Possible Shortage Action taken because of Shortage	Facilities with Shortages (Total Facilities Reported = 2)			
	Red Blood Cells	Red Blood Cells (%)	Platelets	Platelets (%)
Was a delivery delayed?	0	0%	0	0%
Were inventories of blood products below minimal established levels?	1	50%	0	0%
Was an order not filled completely?	1	50%	0	0%
Was blood product purchased from an alternative supplier?	0	0%	0	0%
Was a non-standard protocol used in patient care because of the shortage?	0	0%	0	0%
Was a routine transfusion practice ignored or altered because of a shortage?	0	0%	0	0%
Was a surgery, procedures, or therapy delayed or cancelled due to shortage?	0	0%	0	0%

USPHS REGION I

Indicator of Possible Shortage Action taken because of Shortage	Facilities with Shortages (Total Facilities Reported = 1)			
	Red Blood	Red Blood	Platelets	Platelets

TABULAR REPORT

Input/Change Data For:

1 of 1 100% Select a format Expo

Nation

Indicator of Possible Shortage Action taken because of Shortage	7 day Average Shortages on 7/31/2007 (Average number of Facilities Reported = 0.9)				7 day Average Shortages on 7/24/2007 (Average number of Facilities Reported = 0.6)				7 day Average Shortages on 7/3/2007 (Average number of Facilities Reported = 2.3)				7 day (Average
	RBC	RBC (%)	Platelets	Platelets (%)	RBC	RBC (%)	Platelets	Platelets (%)	RBC	RBC (%)	Platelets	Platelets (%)	RBC
Was a delivery delayed?	0.29	33.33%	0.29	33.33%	0.43	75%	0	0%	0.57	25%	0.57	25%	0.29
Were inventories of blood products below minimal established levels?	0.29	33.33%	0.29	33.33%	0.29	50%	0.29	50%	1	43.75%	0.86	37.5%	0
Was an order not filled completely?	0.29	33.33%	0.14	16.67%	0.14	25%	0.29	50%	0.71	31.25%	0.86	37.5%	0
Was blood product purchased from an alternative supplier?	0.14	16.67%	0.14	16.67%	0.29	50%	0.14	25%	0.86	37.5%	0.43	18.75%	0
Was a non-standard protocol used in patient care because of the shortage?	0	0%	0	0%	0	0%	0	0%	0.14	6.25%	0.14	6.25%	0
Was a routine transfusion practice ignored or altered because of a shortage?	0	0%	0	0%	0	0%	0	0%	0.14	6.25%	0.14	6.25%	0
Was a surgery, procedures, or therapy delayed or cancelled due to shortage?	0	0%	0	0%	0	0%	0	0%	0.14	6.25%	0	0%	0

USPHS Region I

Indicator of Possible Shortage Action taken because of Shortage	7 day Average Shortages on 7/31/2007 (Average number of Facilities Reported = 0.6)	7 day Average Shortages on 7/24/2007 (Average number of Facilities Reported = 0.6)	7 day Average Shortages on 7/3/2007 (Average number of Facilities Reported = 0.6)	7 day (Average
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SHORTAGE REPORT BY NON-PARTICIPANT

[Home Page](#)



To create a new user, please fill out the following details. Fields marked with (*) are required

Select Login ID: *

Select Password: *

First Name:*

Last Name:*

Facility:

Office Address:

Contact Phone:

E-mail:

Affiliation Type:

SUBMIT

[About](#)

Current Status as of August 17

	On-board	Goal	Per Cent
Blood Centers	9	85	10%
Hospitals	101	156	65%