



United States Department of
Health & Human Services

Blood Monitoring Update

Doug Surgenor/Ted Wallace – Early '60's

AABB/National Blood Data Resource
Center

TransNet

HHS Sentinel System



BASIS

Blood Availability and Safety Inventory System

Blood Collection Center Samples

Collections Volume (units collected per year)						
	1,000-24,999	25,000-49,999	50,000-99,999	100,000-199,999	200,000 and over	Total
Number in Sample	2	3	5	10	17	37
Percent of Total	4.4%	8.9%	14.7%	27%	45%	100%
Sampling Rate	7.1%	8.9%	17.5%	33.1%	87.2%	

Hospital Samples

Surgical Volume (surgeries per year)								
	Unknown	0-999	1,000-1,399	1,400-2,399	2,400-4,999	5,000-7,999	8,000+	Total
Number in Sample	5	17	17	13	29	22	28	131
Percent of Total	3.8%	13%	13%	9.9%	22.1%	16.8%	21.4%	100%
Sampling Rate	13.8%	1.1%	4.0%	2.0%	3.9%	7.7%	14.5%	

Quantitative Data Elements

Categories	Hospitals					Blood Centers				
	RBC			Platelets		RBC			Platelets	
	Total	O-	O+	R	A	Total	O-	O+	R	A
Collections						√	√	√		√
Inventory	√	√	√	√	√	√	√	√	√	√
Production									√	
Distribution to Hospitals						√	√	√	√	√
Received from Suppliers	√	√	√	√	√					
Wastage						√	√	√	√	√
Outdating	√	√	√	√	√	√	√	√	√	√
Transfused	√	√	√	√	√					
Returns	√	√	√	√	√	√	√	√	√	√
Exports to Other Locations						√	√	√	√	√
Imports from Other Locations						√	√	√	√	√

R = Random donor; A = Apheresis donor



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 ?

Implementation

- 2004 – Phase in of blood collection centers
- 2005 – Phase in of remaining transfusion services

BASIS Principles

- Gather data that can support broader, longer-term assessments of the status and direction of the Nation's blood supply.
- Improve the knowledge base underlying consideration of Department policy decisions.

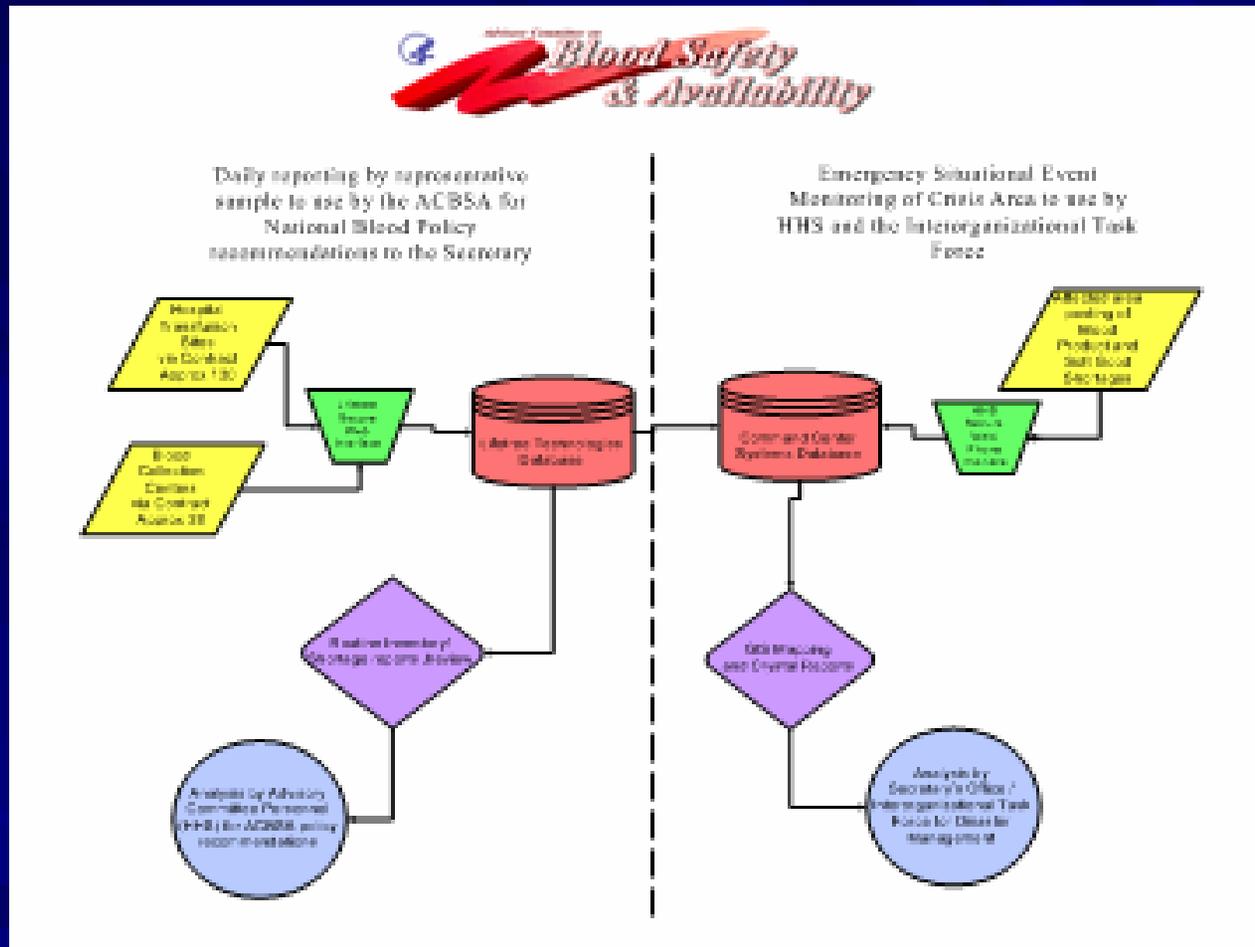
BASIS Principles

NOT intended to support a regular direct governmental involvement in the day-to-day operations and decisions of blood centers, hospitals and/or community transfusion centers.

BASIS Principles

Generate data that will enhance discussions and decision-making broadly across the entire blood community

Critical Incident Response



National Blood Reserve

January 28-29, 2004

ACBSA Recommendations

Establish a National Blood Reserve (consistent with committee's recommendation of January 2002) by increasing daily collections through an enhanced program to expand and sustain volunteer donations. The committee endorses the elements of the National Blood Reserve as developed by the AABB Interorganizational Task Force.

Fully fund the DHHS Blood Action Plan in the area of private and government monitoring and take steps to increase the national daily available inventory to 5-7 days.

