

Maryland Statewide Reduction of Blood Wastage Collaborative

Collaborative Member Conference Call

February 1, 2010

12-1 pm



Agenda

- Welcome
 - Introductions
 - Maryland Health Quality and Cost Council Update
- Website Update
 - Terms of Use
 - Reports
 - Future Enhancement
 - Best Practices
- Discussion
- Next Steps
- Next Collaborative Meeting: Mar 31st, 2010; 9:30-10:30 am

In Person Meeting: *American Red Cross of Central Maryland.*
4800 Mount Hope Dr, *Baltimore*, MD 21215-3212
Conference Call: 1-866-745-2960; Pass Code: 5635858#



Introductions



Maryland Health Quality and Cost Council Update

Participation



Maryland Health Quality and Cost Council
Reducing Blood Wastage Initiative

Hospital Participation Summary – as of 12/8/09

	07/22 Meeting	09/22 Call	Baseline Data	Pledge Rec'd	Database Training	Website reg	10/09 Data
American Red Cross	X	X	NA	NA	X	NA	NA
Anne Arundel Med Ctr			X	X	X	X	X
Balt/Wash Med Ctr		X	X	X	X	X	X
Blood Bank of Delmarva		X	NA	NA	X	NA	NA
Bon Secours			X	X	X	X	X
Braddock Hospital (WMHS)		X	X (Mem)	X	X	X	X
Calvert Memorial Hospital		X	X	X	X	X	X
Carroll Hospital			X	X	X	X	X
Chester River Hospital			X	X	X	X	X
Civista Med Ctr			X	X	X	X	X
Doctors Community Hospital			X	X			
Dorchester General Hospital		X	X	X	X	X	X
Fort Washington Med Ctr			X	X	X	X	X
Franklin Square Hospital		X	X (part)	X		X	
Frederick Memorial Hospital		X	X	X		X	X
Garrett County Memorial		X	X	X		X	X
Good Samaritan Hospital		X	X	X	X	X	X
Greater Baltimore Med Ctr	X		X	X	X	X	X
Harbor Hospital		X	X	X	X	X	X
Harford Memorial Hospital			X	X		X	X
Holy Cross Hospital		X	X		X	X	X

45 out of 45 blood banks = 100 % participation rate!

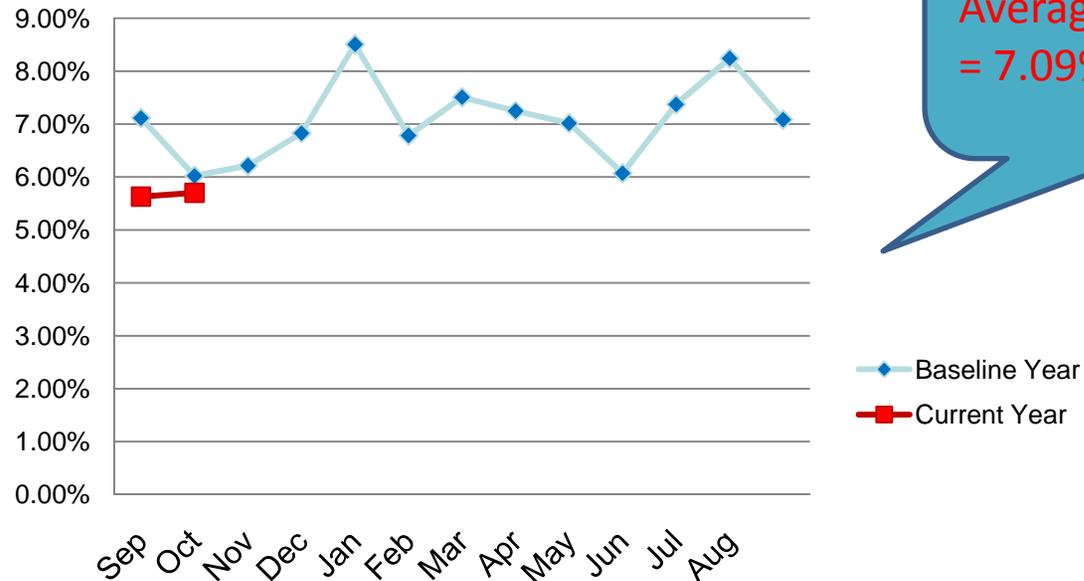
Howard County Gene								
Johns Hopkins Bayview								
Johns Hopkins Hospital	X	X	X	X	X	X	X	X
Kernan Hospital			X	X	X	X	X	X
Laurel Regional Hospital	X						X	
Maryland General Hospital			X	X			X	X
Memorial Hospital of Easton		X	X	X			X	X
Mercy Medical Center			X	X			X	
Montgomery General Hospital			X	X		X	X	X
National Institutes of Health			X			X	X	
Northwest Hospital	X	X	X	X	X	X	X	X
Peninsula Regional Med Ctr				X	X		X	X
Prince George's Hospital	X						X	
Shady Grove Adventist				X	X	X	X	
Sinai Hospital of Baltimore	X	X	X	X	X	X	X	X
Southern Maryland Hospital			X	X	X	X	X	X
St. Agnes Hospital	X	X	X	X	X	X	X	X
St. Joseph Med Ctr				X	X			
St. Mary's Hospital						X		
Suburban Hospital	X			X	X	X	X	X
Union Hospital				X	X		X	X
Union Memorial Hospital	X	X	X	X	X		X	X
University of MD Med Ctr	X	X	X	X		X	X	X
Upper Chesapeake Med Ctr				X	X	X	X	
VA Maryland Health Care	X			X	X		X	
Washington Adventist Hospital				X	X	X	X	

- Participation Pledge
- Baseline Data
- Conference calls attendance
- Website registration

State Blood Wastage Results

Platelets

**% Wasted for State
Baseline Year vs. Current Year**



**Baseline Year
Average % Wasted
= 7.09%**

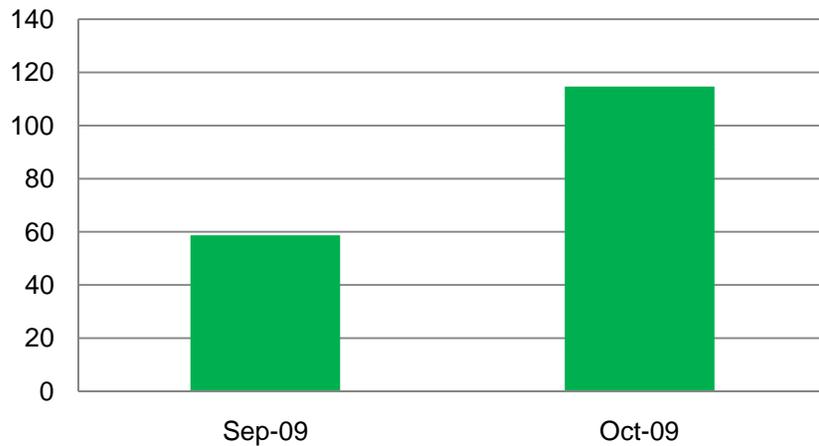
Baseline Year

Month-Year	9 - 2008	10 - 2008	11 - 2008	12 - 2008	1 - 2009	2 - 2009	3 - 2009	4 - 2009	5 - 2009	6 - 2009	7 - 2009	8 - 2009	9 - 2009	10 - 2009
Total Units Wasted	294	251	236	293	364	271	329	292	300	265	326	338	227	231
Total Units Collected/ Purchased	4132	4167	3796	4290	4279	3994	4382	4029	4276	4364	4421	4101	4032	4051
% Wasted	7	6	6	7	9	7	8	7	7	6	7	8	6	6

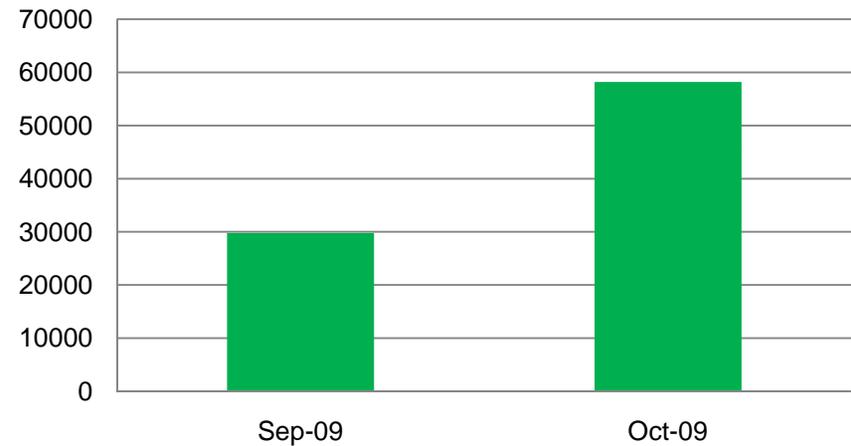
State Blood Wastage Results

Platelets

**Cumulative Units Saved for State
Sep 09--Current**



**Cumulative \$s Saved for State
Sep 09--Current**

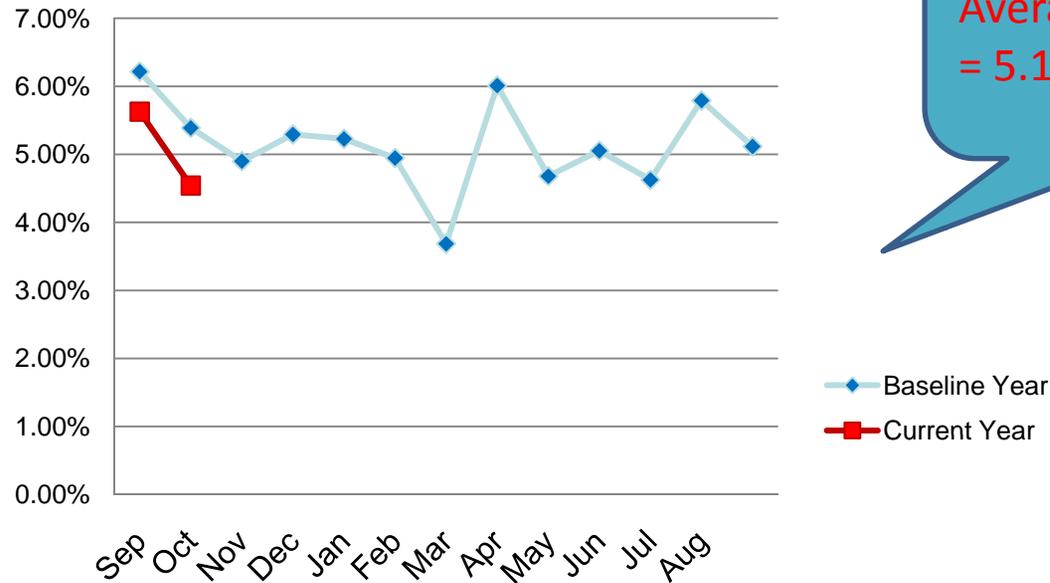


	Sep-09	Oct-09
Predicted units wasted	286	287
Actual units wasted	227	231
Cumulative units saved	59	115
Cumulative \$s saved	\$29,938	\$58,355

State Blood Wastage Results

Plasma

**% Wasted for State
Baseline Year vs. Current Year**



**Baseline Year
Average % Wasted
= 5.12%**

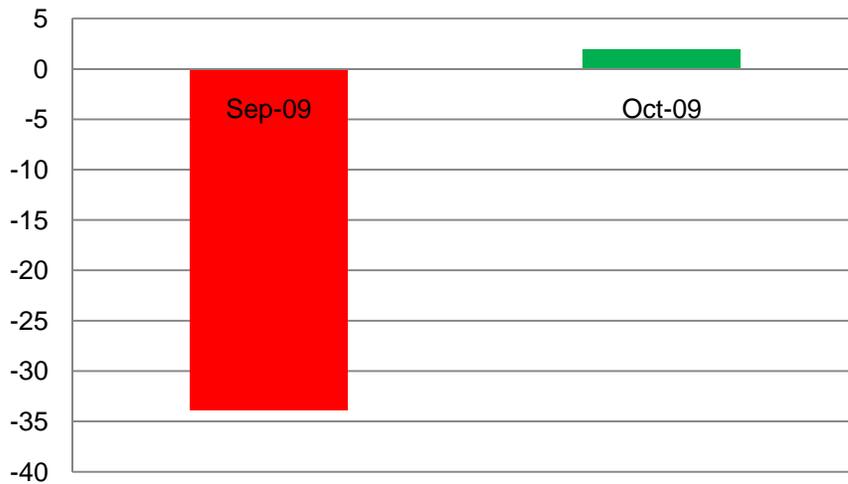
Baseline Year

Month-Year	9 - 2008	10 - 2008	11 - 2008	12 - 2008	1 - 2009	2 - 2009	3 - 2009	4 - 2009	5 - 2009	6 - 2009	7 - 2009	8 - 2009	9 - 2009	10 - 2009
Total Units Wasted	392	313	307	358	375	319	285	415	380	346	316	355	373	283
Total Units Thawed	6306	5808	6265	6764	7174	6450	7733	6905	8120	6849	6831	6130	6629	6232
% Wasted	6	5	5	5	5	5	4	6	5	5	5	6	6	5

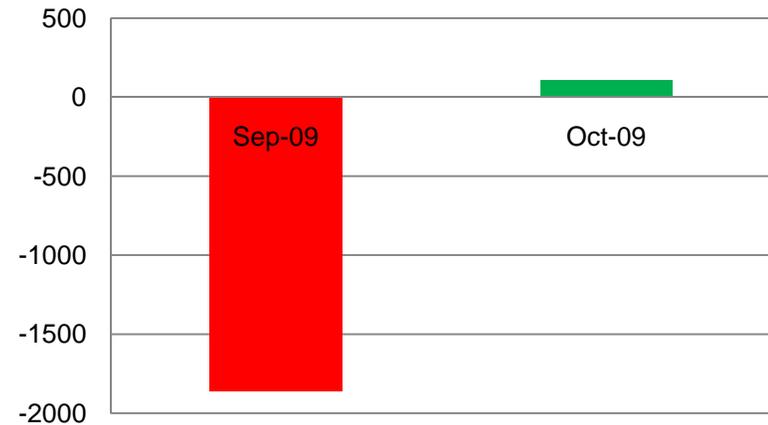
State Blood Wastage Results

Plasma

**Cumulative Units Saved for State
Sep 09--Current**



**Cumulative \$s Saved for State
Sep 09--Current**



	Sep-09	Oct-09
Predicted units wasted	339	319
Actual units wasted	373	283
Cumulative units saved	-34	2
Cumulative \$s saved	(\$1,866)	\$110

Total Units Saved for State: 2 Months

- Platelets = 115 units
- Plasma = 2 units
- Allo Red = -19 units
- Auto/Dir Red = -39 units

Total Units Saved
= 59 units



Total \$s Saved for State: 2 Months

- Platelets = \$58,355
- Plasma = \$110
- Allo Red = (\$4,557)
- Auto/Dir Red = (\$13,800)

Total \$s Saved
= \$40,108





Website Update

Maryland Blood Wastage Collaborative:

<https://orchid.hosts.jhmi.edu/BLOODWASTAGE>

The screenshot shows a Microsoft Internet Explorer browser window displaying the Maryland Blood Wastage Collaborative website. The browser's address bar shows the URL <https://orchid.hosts.jhmi.edu/BLOODWASTAGE/index.cfm>. The website header includes the logo "BLOOD WASTAGE COLLABORATIVE" and a navigation menu with links for "Home", "Terms of Use", and "Contact Us". A "Logout" link is also present in the top right corner. The main content area is divided into two columns. The left column contains a vertical menu of buttons: "Project Documentation", "Monthly Collection", "View Reports", "Submit Best Practices", "Search Best Practices", and "Manage Users". The right column features two sections: "Overview" and "Milestones/Events". The "Overview" section contains a paragraph describing the collaborative's formation in June 2009 under Governor O'Malley's guidance. The "Milestones/Events" section lists key dates from Spring 2009 to November 2009, including the establishment of the Blood Wastage Work Group (BWWG), a meeting with blood bank leaders, a state-wide kick-off event, and database training.

BLOOD WASTAGE COLLABORATIVE

Home | Terms of Use | Contact Us

Logout

Project Documentation

Monthly Collection

View Reports

Submit Best Practices

Search Best Practices

Manage Users

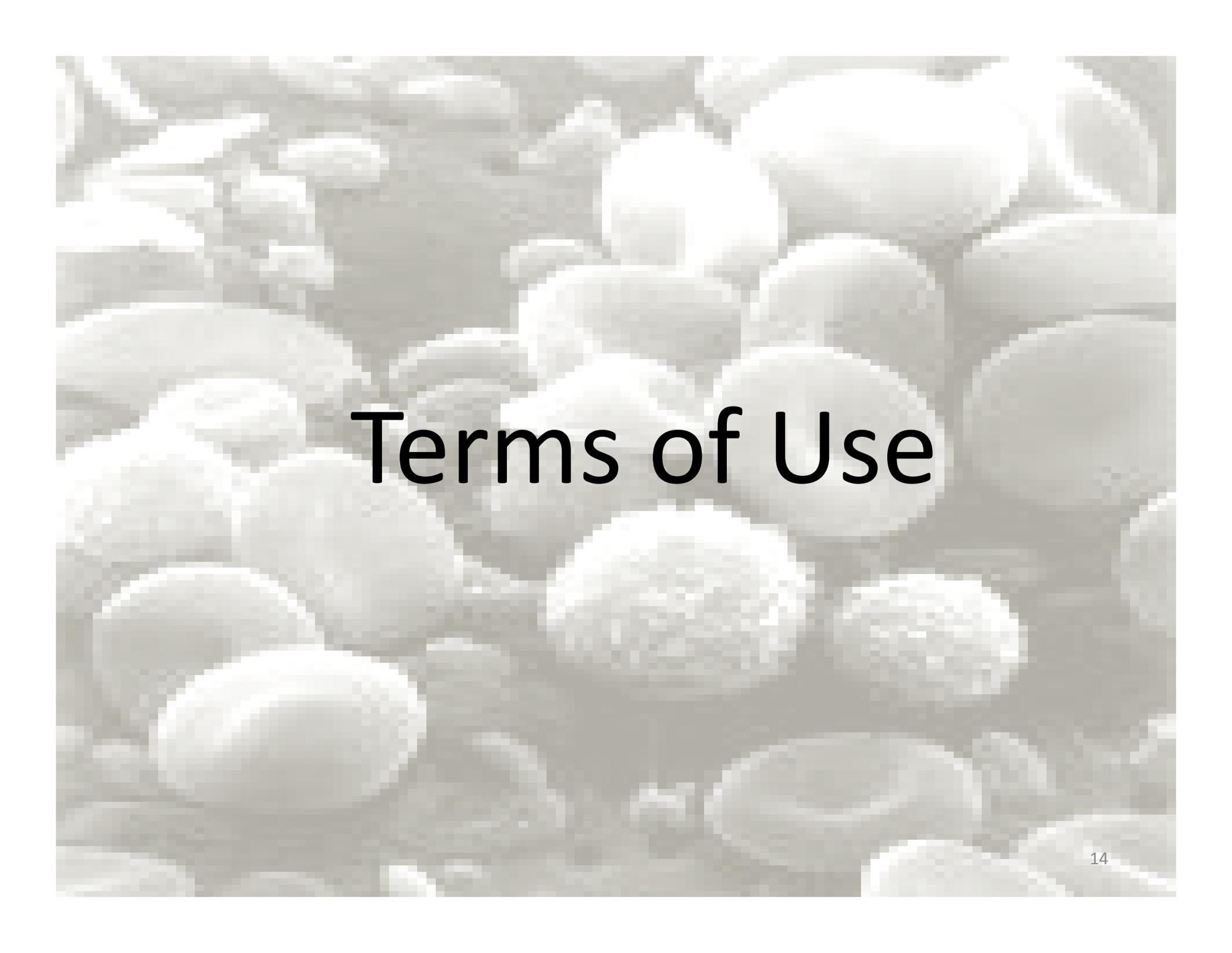
Overview

In 2008 Governor O'Malley created the Maryland Health Quality and Cost Council (MHQCC) through an executive order to focus priorities for improving health care in Maryland. Under the guidance of the Council, The Maryland Statewide Reduction of Blood Wastage Collaborative was formed in June 2009. The aim of the Blood Wastage Collaborative is to bring together Maryland hospitals and blood centers to improve practices in the provider setting, thereby reducing wastage of blood products.

Milestones/Events

Spring 2009: Blood Wastage Work Group (BWWG) was established.
Jul 22, 2009: meeting with a selected group of blood bank leaders; sign-off of the project charters
Sep 22, 2009: state-wide kick-off event
Oct 16, 2009: submission of baseline data; submission of the Pledge of Participation
Nov 2, 2009: 12pm - 1pm database training

Blood Wastage Collaborative for the State of Maryland 2009 - All rights reserved.
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Terms of Use



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- Project Documents
- Monthly Collection
- View Reports
- Submit Best Practices
- Search Best Practices
- Manage Users
- Admin Page

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Words such as "we," "us," "our," or similar terms refer to JHHS. Words such as "you," "your(s)," or other similar refer to the "User".

Registration

<https://orchid.hosts.jhmi.edu/BLOODWASTAGE/> requires registration before the Website can be used. During registration, you are required to provide certain information, such as information related to your organization (such as the name of your organization, the specific department, job title, contact information, etc.), and unique identifiers (such your e-mail address and a pin number/password you create). Any information that is not necessary for the purposes of the registration is clearly marked as optional.

De-identification of Data

JHHS will not release your data in any format or circumstance that identifies you as a contributor of the data, except as required by legal process, or as you request. All the information data you submit will not reveal any institutionally or personally identifiable information; the information and data will be used on a de-identified aggregate level only.

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If any provision of the Terms and Conditions of Use is held to be invalid or unenforceable, such provision shall be voided and the remaining provisions shall be enforced. These Terms and Conditions of Use set forth the entire understanding and agreement between the User and JHHS with the respect to your use of <https://orchid.hosts.jhmi.edu/BLOODWASTAGE/>

General

You agree that any claim or dispute relating to the Website or your use or reliance on the Website shall be construed in accordance with the laws of the State of Maryland, without regard to its conflict of law provisions. Both you and JHHS agree to be bound and shall be subject to the exclusive jurisdiction of the state courts located in Howard County, Maryland or the federal courts with jurisdiction over the State of Maryland.

Nothing contained in these Terms and Conditions of Use or your use of the Website shall be deemed to constitute a joint venture, partnership or agency between the parties. You acknowledge that you have read these Terms, understand them and agree to be bound by their terms and conditions. You represent that you are a legal entity having authority to agree to the Terms and Conditions of Use Your agreement to that the Terms and Conditions of Use are the complete and only agreement between us and supersede any other communication between us relating to the subject matter of these Terms and Conditions of Use.



Reports

- Project Documents
- Monthly Collection
- View Reports**
- Submit Best Practices
- Search Best Practices
- Manage Users
- Admin Page

Institution vs. State Blood Wastage Reports

Select a Product to View:

[Plasma](#)

[Platelets](#)

[Red Cells](#)

[Autologous Cells](#)

Sample Platelets Reports--State

- Project Documents
- Monthly Collection
- view reports
- Submit Best Practices
- Search Best Practices
- Manage Users
- Admin Page

Institution vs. State Blood Wastage Reports

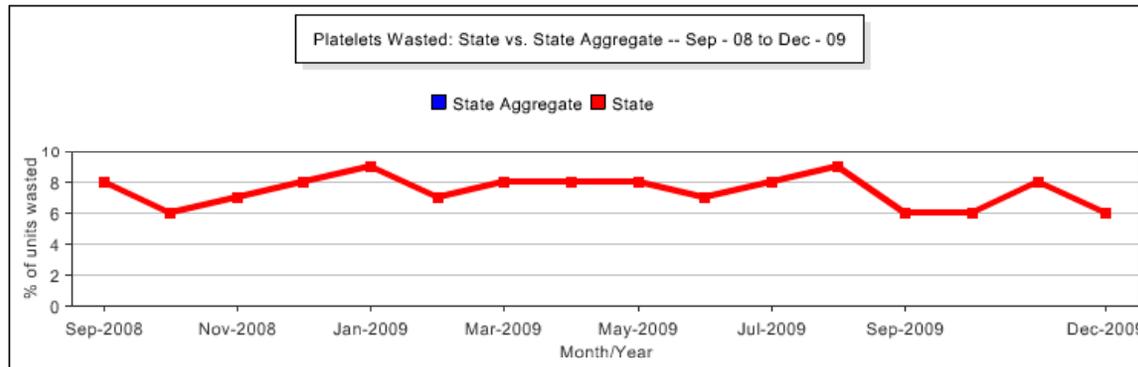
Select a Product to View:

[Plasma](#)

[Platelets](#)

[Red Cells](#)

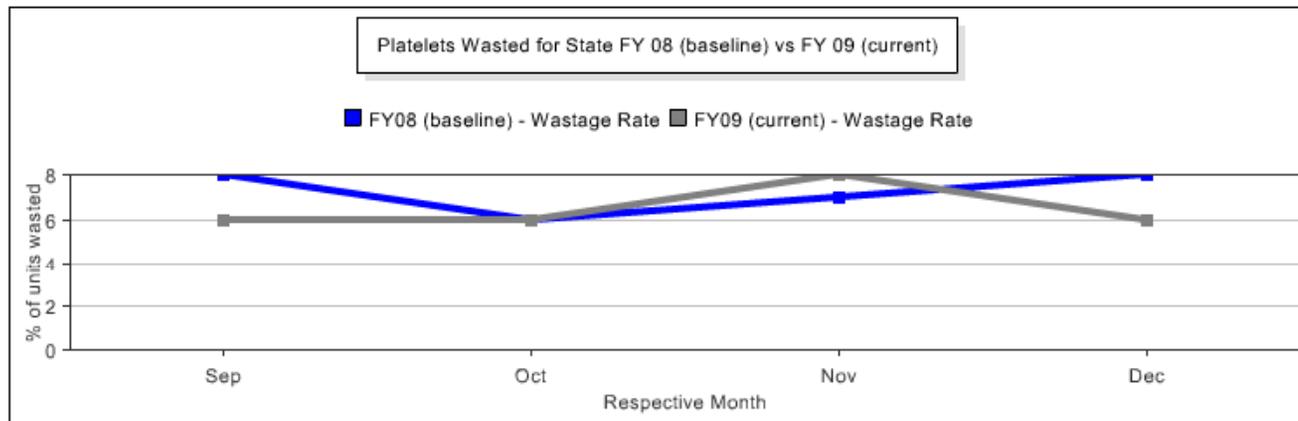
[Autologous Cells](#)



Results for State

Month - Year	9 - 2008	10 - 2008	11 - 2008	12 - 2008	1 - 2009	2 - 2009	3 - 2009	4 - 2009	5 - 2009	6 - 2009	7 - 2009	8 - 2009	9 - 2009	10 - 2009	11 - 2009	12 - 2009
Total Units Wasted	326	279	281	348	387	296	389	320	340	306	366	384	252	254	303	232
Total Units Collected/Purchased	4336	4443	4029	4520	4483	4149	4601	4239	4499	4591	4589	4250	4241	4471	3939	3601
% Wasted	8	6	7	8	9	7	8	8	8	7	8	9	6	6	8	6

Sample Platelets Reports—State (cont'd)



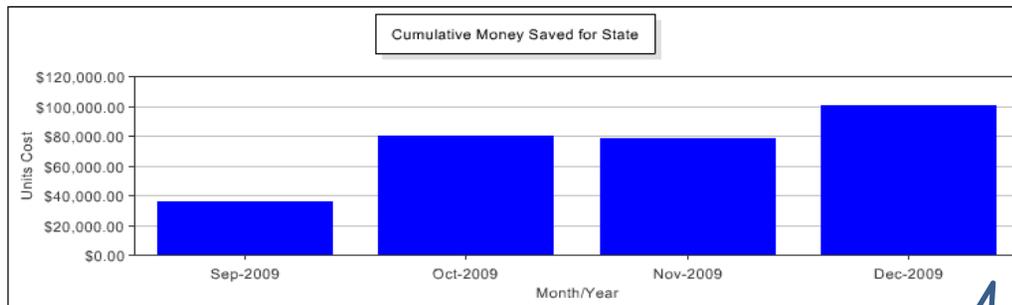
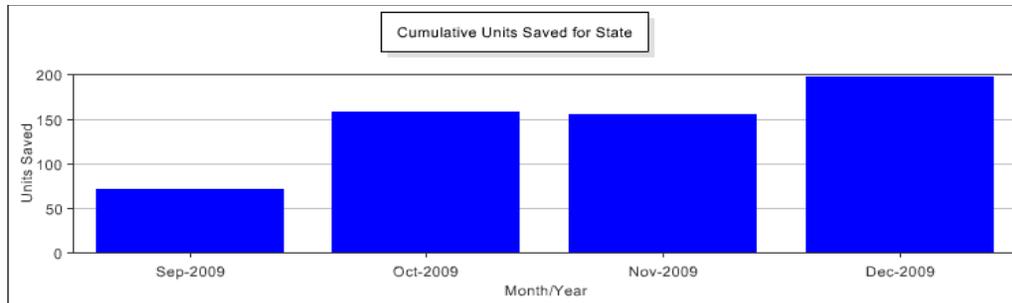
Results for FY 2008

Month - Year	9 - 2008	10 - 2008	11 - 2008	12 - 2008
Total Units Wasted	326	279	281	348
Total Units Collected/Purchased	4336	4443	4029	4520
% Wasted	8	6	7	8

Results for FY 2009

Month - Year	9 - 2009	10 - 2009	11 - 2009	12 - 2009
Total Units Wasted	252	254	303	232
Total Units Collected/Purchased	4241	4471	3939	3601
% Wasted	6	6	8	6

Sample Platelets Reports—State (cont'd)



Cumulative Units/Money Saved

Month - Year	Sep-2009	Oct-2009	Nov-2009	Dec-2009
Predicted Units Wasted	323	341	300	275
Cumulative Units Saved	71	158	155	198
Cumulative Money Saved	\$36,028.24	\$80,175.52	\$78,653.20	\$100,473.12

Cumulative Units Saved
= 198
Cumulative \$s Saved:
= \$ 100,473

Sample “Cumulative Units Saved” Calculation—Oct-2009:

Monthly Units Saved for Oct-2009

= (predicted units wasted*: how many units in Oct-2009 would have been wasted given baseline year’s average performance) – (actual units wasted: total units wasted for Oct-2009)

*predicted units wasted for Oct-2009

= (average % wasted for baseline year Sep-2008 to Aug-2009) x (all units thawed in Oct-2009)

= units in Oct-2009 would have been wasted

Cumulative Units Saved for Oct-2009

= sum of monthly units saved from Sep-2009 to the current month(in this case, Oct-2009)

Sample “Cumulative Money Saved” Calculation—Oct-2009:

Cumulative Money Saved for Oct-2009

= Cumulative units saved for Oct-2009 x unit price

Total Units Saved for State: 4 Months

- Platelets = 198 units
- Plasma = 44 units
- Allo Red = -63 units
- Auto/Dir Red = -68 units

Total Units Saved
= 242 units



*Note: The Collaborative's focus has been on platelets and plasma based on the project charters. Thus, Allo Red and Auto/Dir Red Cells have been excluded in the calculations.

Total \$s Saved for State: 4 Months

- Platelets = \$100,473
- Plasma = \$2,416
- Allo Red = (\$15,111)
- Auto/Dir Red = (\$24,062)

Total \$s Saved
= \$102,889



*Note: The Collaborative's focus has been on platelets and plasma based on the project charters. Thus, Allo Red and Auto/Dir Red Cells have been excluded in the calculations.

Lessons Learned

1. Calculations run on a scheduled tasks
2. Scenarios where denominator (total units thawed or total units collected) can be smaller than numerator (total units wasted)
3. Submit only next month's data
4. Provide a confirmation page
5. When denominator and numerator are both 0, % wasted (0/0) needs to display correctly
6. Include a "n" for the number of institutions submitted data for the month
7. Print report in pdf



Website Future Enhancement

Hospital Profile Update

COLLABORATIVE Register | Login

New Organization Registration

Please fill out the form below in its entirety to be considered for access.

Contact Information

First Name: *

Last Name: *

Your Position Title: *

Telephone Number: *

Email Address: *

Enter a Login Password: *

Demographic Information

Name of Organization: *

Hospital Website Link:

Size of Organization: *

Type of Organization: *

Region: *

Trauma Level: *

Special Types of Services Offered: *

Blood Bank Phone Number: *

Blood Supplier: *

Accreditation: *



Best Practices

	Collection / Purchasing	Preparation / Distribution	Storage	Transportation	Regulatory / Compliance
Plasma		<ol style="list-style-type: none"> 1. Thaw product in increments 2. Transfer within systems 	<ol style="list-style-type: none"> 1. Move to 5 day plasma 		
Platelets	<ol style="list-style-type: none"> 1. Senior staff only order products for inventory 	<ol style="list-style-type: none"> 1. Call Red Cross to help transfer short dated products 2. Implement group to review all platelet orders 	<ol style="list-style-type: none"> 1. Re-label shelves to increase visibility of short dated products 		
Red Cells	<ol style="list-style-type: none"> 1. Special committee formed to assess auto unit collections 2. Discontinued collection of auto red cells 			<ol style="list-style-type: none"> 1. Issue in ice packed coolers to OR, etc. 	

	Collection / Purchasing	Preparation / Distribution	Storage	Transportation	Regulatory / Compliance
All Products	<ol style="list-style-type: none"> 1. Review all par levels 2. Adjust number of standing orders received each week 3. Request Ad Hoc reports from Blood Supplier 4. Review Ad Hoc product orders for trends 5. Forward wastage reports to Finance 	<ol style="list-style-type: none"> 1. Review signed consent and product orders prior to dispense 2. Review transfusion criteria prior to dispense 3. Post short date list and assign technologist to re-crossmatching when needed to move products 4. Develop service specific protocols (OB/Gyn, Cardiac, etc.) and audit those protocols 		<ol style="list-style-type: none"> 1. Implement courier service to transfer products within hospital system 	<ol style="list-style-type: none"> 1. Monitor utilization by physician and service 2. Publicly post utilization data-on intranet, etc. 3. Revitalize the Transfusion Practices Committee 4. Incident reports on wastage to Risk Management and Nurse Managers 5. Letters to physicians who overuse products

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 - Maryland Health Quality and Cost Council Update
- Website Update
 - Terms of Use
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 - Best Practices
- Discussion
 - Goal Setting
- Next Steps
- Next Collaborative Meeting: **Mar 31st, 2010; 9:30-10:30 am**



Questions?